



CROSSFIRE

Indoor Antenna

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1. 2W Antenna, N Female

1.1 AI698-2700H06i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

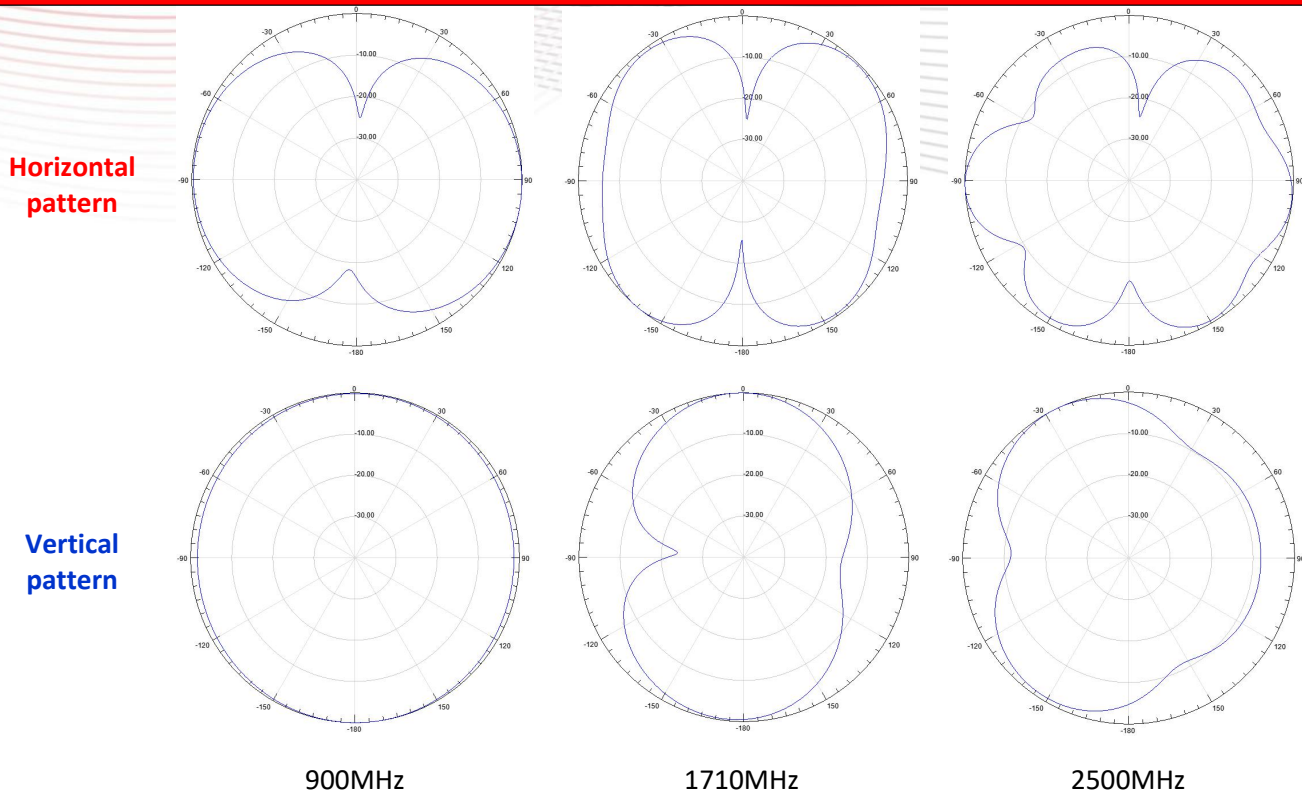
Electrical Specifications

Item No.	AI698-2700H06i360B			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0
Polarization		Horizontal		
VSWR		≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140		
Input Power, maximum	watts	50		
Impedance	ohm	50		

Mechanical Specification

Connector Type		N-female		
Size	mm	Φ220×18		
Antenna Weight	kg	0.3		
Mounting Kit		Ceiling, via hole (standard)		
Radome Material and Color		ABS, White, RAL9003		
Operational Temperature	oC	-55 ~ 60		
Operational Humidity	%	< 95		

Radiation Pattern



Horizontal pattern

Vertical pattern

900MHz

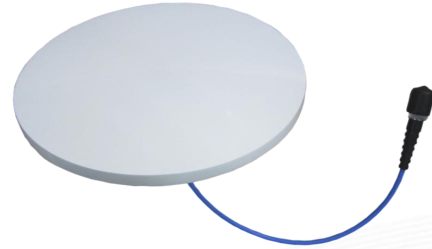
1710MHz

2500MHz



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- N-female



1.2 AI698-2700V05i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

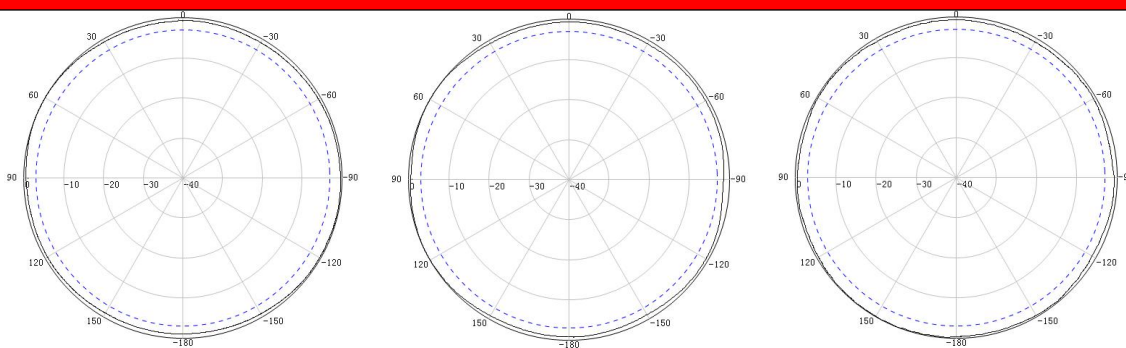
Item No.	AI698-2700V05i360B			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0
Polarization		Vertical		
Beam width	Horizontal	deg		
	Vertical	90	70	35
VSWR		≤1.8	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140		
Input Power, maximum	watts	50		
Impedance	ohm	50		

Mechanical Specification

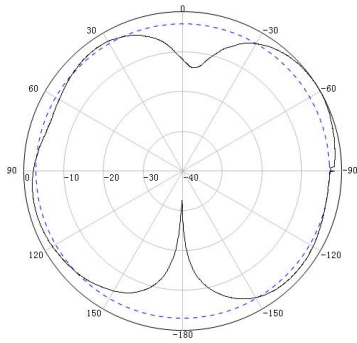
Connector Type		N-female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

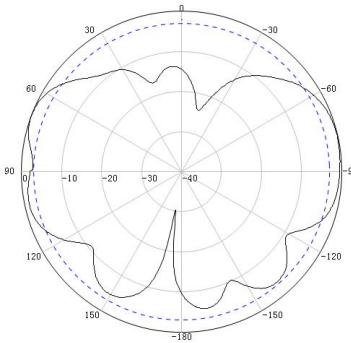
Horizontal pattern



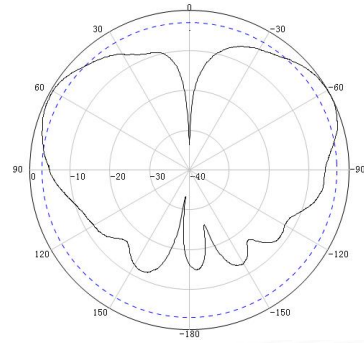
Vertical pattern



900MHz



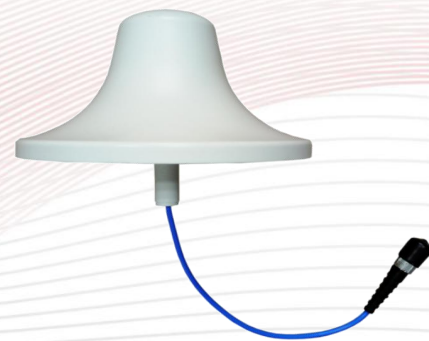
1710MHz



2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- N-female.



1.3 AI698-2700V09i70F

Indoor Wide band Panel Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.		AI698-2700V09i70F				
Frequency Range		MHz	698-806	806-960	1710-2170	2170-2700
Gain		dBi	5.5±1	6±1	7±1	7.5±1
Polarization			Vertical			
Beam width	Horizontal	deg	85±20	85±20	62±15	60±20
	Vertical (Typical)		75	73	60	50
Front-To-Back Ratio		dB	> 8	> 8	> 12	> 12
VSWR			≤1.8	≤1.8	≤1.8	≤1.8
PIM, 3rd Order, 2 x 2W,		dBc	-140			
Input Power, maximum		watt	50			
Impedance		ohm	50			

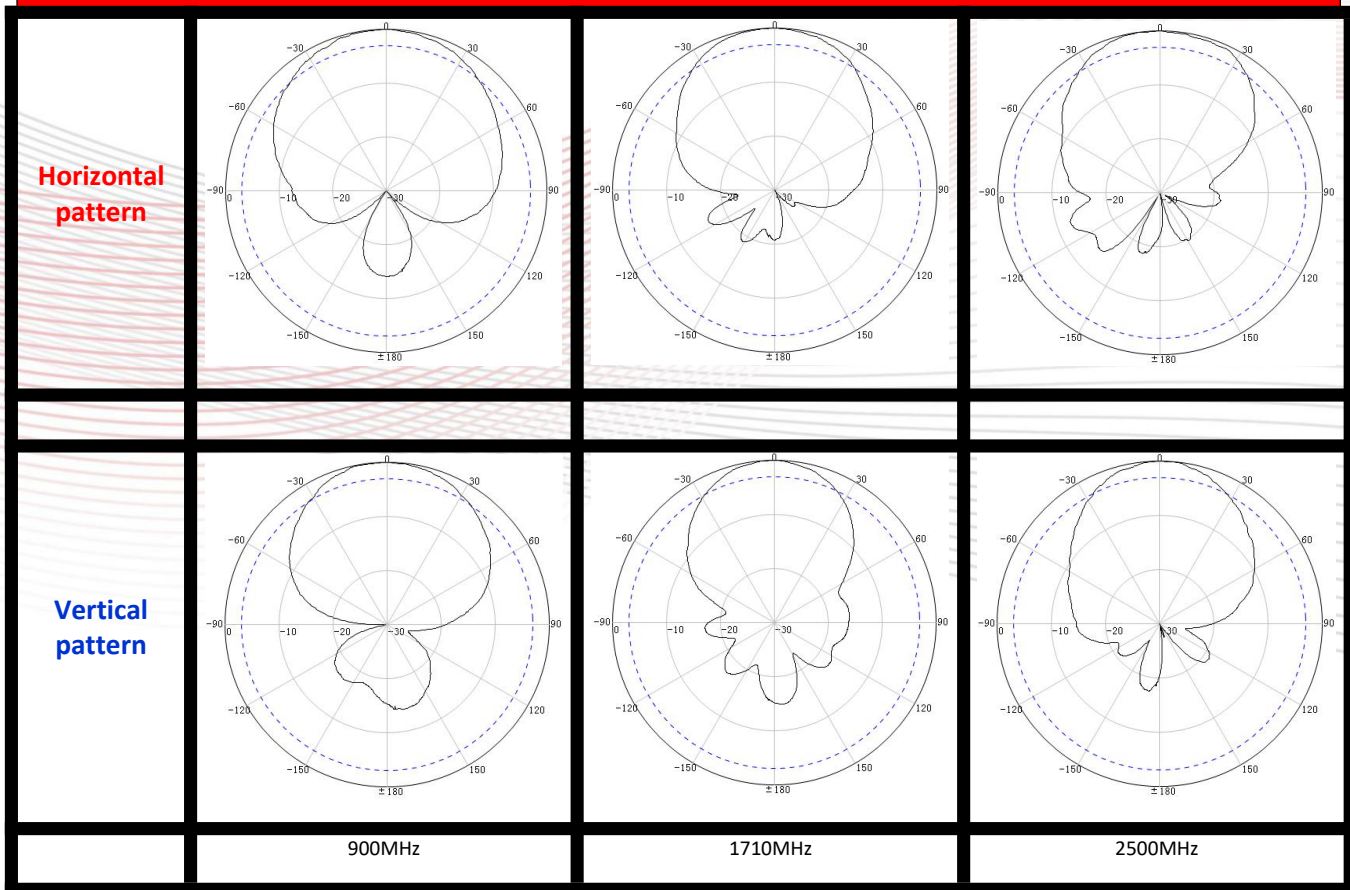
Mechanical Specifications

Connector Type		N-female
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Size	mm	165x155x50
Weight, without Mounting Kit	kg	0.37
Mounting Kit		On-wall
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns



Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 W.
- N-female compliant.



1.4 AI698-2700VH03i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz, MIMO

Electrical Specifications

Item No.	AI698-2700VH03i360B			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	3.0±0.5	3.5±0.5	4.5±1.0
Polarization		Linear×2		
Beam width (Typical)	Horizontal	deg	OMNI	
	Vertical		90	85
VSWR		≤2.0	≤2.0	≤2.0
Isolation	dB	>17	>17	>20
PIM, 3rd Order, 2 x 2 W	dBc	≤-140		
Maximum Power	watts	50		
Impedance	ohm	50		

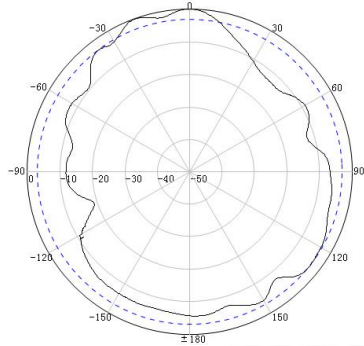
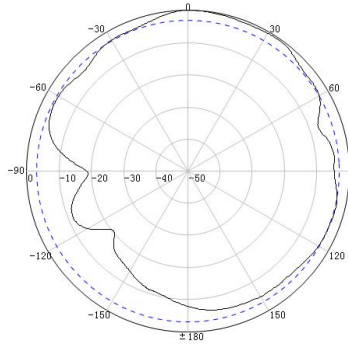
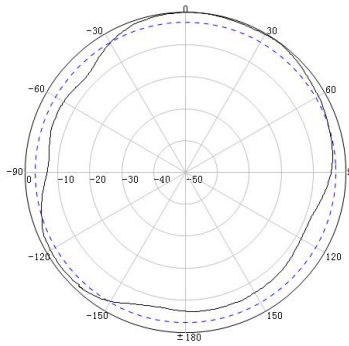
Mechanical Specifications

Connector Type		N-Female×2
Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

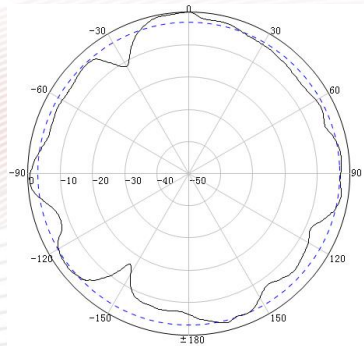
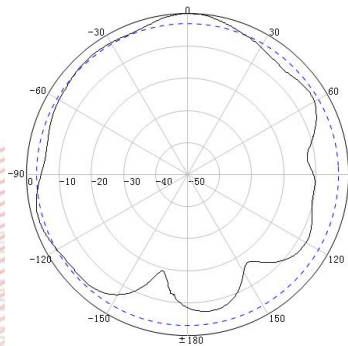
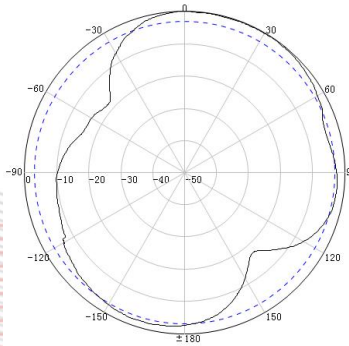
Radiation Patterns



Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.



1.5 AI698-2700X07i70B

Electrical Specifications

Item No.		AI698-2700X07i70B						
Frequency Range		MHz	698-806	806-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain		dBi	6.4	7.5	8.1	8.1	8.1	7.1
Polarization			±45°					
Beam width	Horizontal	deg	61-82		63-87			
	Vertical		55-80		55-85			



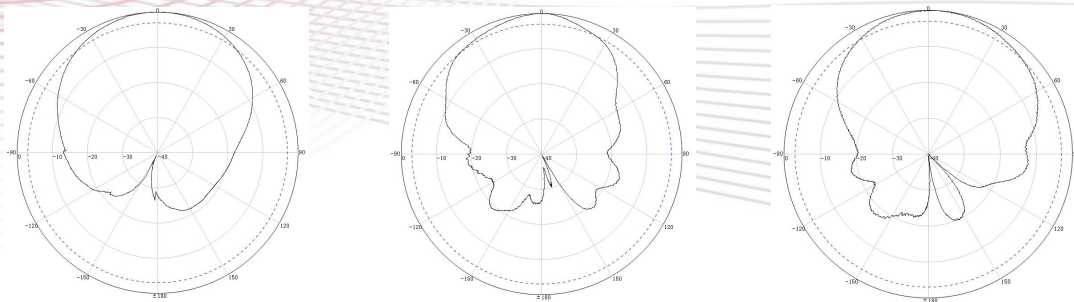
Front-To-Back Ratio	dB	≥10	≥15
VSWR		≤2.0	≤1.5
Isolation	dB	>20	>23
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140	
Input Power per Port, maximum	watts	50	

Mechanical Specifications

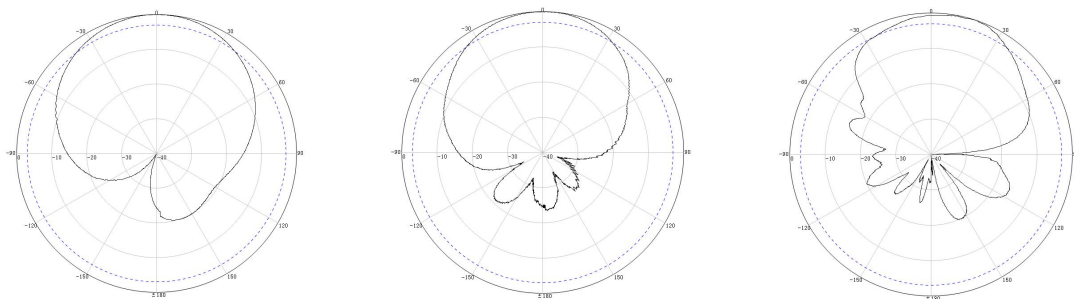
Dimensions, HxWxD	mm	308x190x65	
Weight, without Mounting Kit	kg	0.9	
Radome Material and Color		ABS, White, RAL9003	
Mounting Kit		On-wall	
Connector Type and Location		N-Femalex2	
Operational Temperature	oC	-55 to +60	
Operational Humidity	%	< 95	

Radiation Patterns

Horizontal pattern



Vertical pattern



900MHz

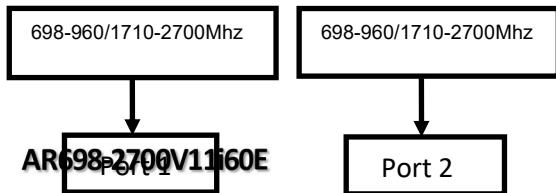
1710MHz

2500MHz

Features and Product Description



- Wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.
- Dual Polarization $\pm 45^\circ$ for Whole Band 700-2700Mhz.
- N-female.



1.6 AR698-2700V11i60E

Port 2

Indoor/Outdoor Wide band Log periodic Antenna, coverage 698MHz - 2700MHz

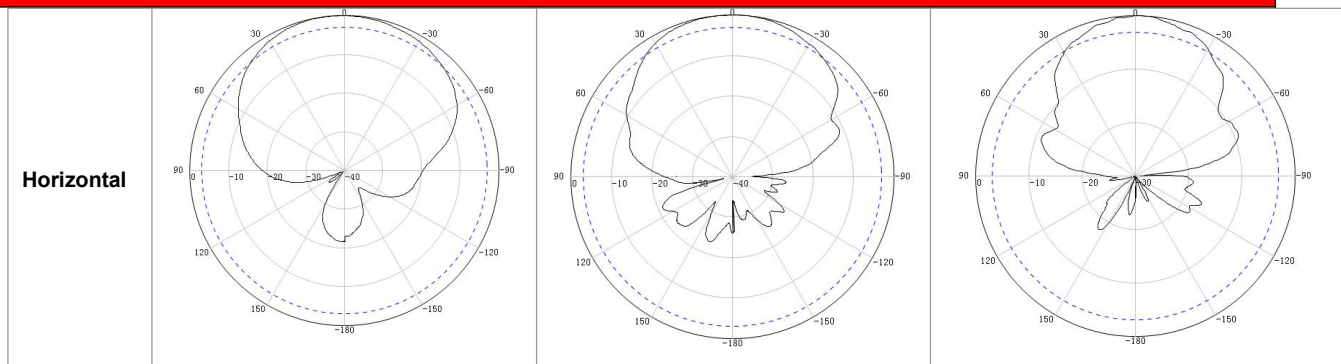
Electrical Specifications

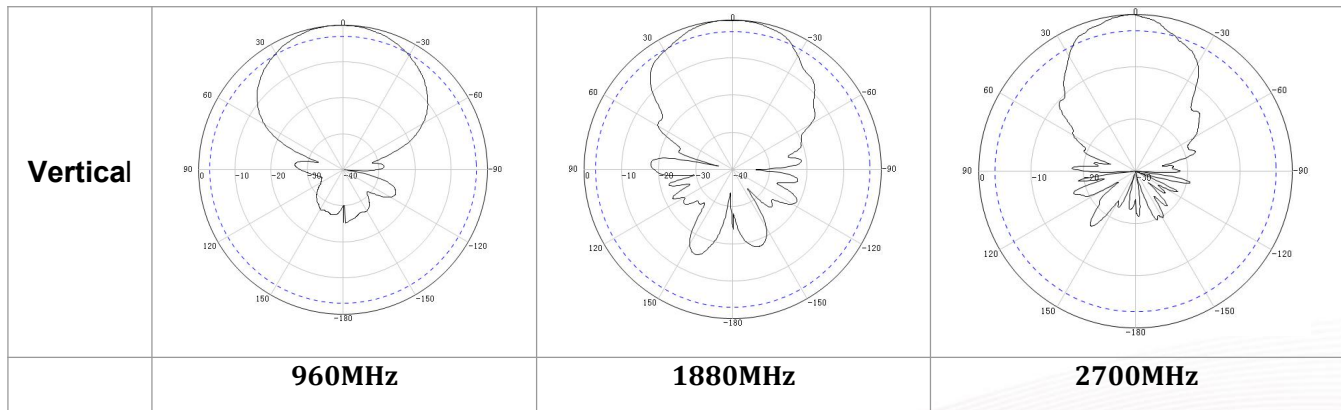
Item No.	AR698-2700V11i60E		
Frequency Range	MHz	698-960	1710-2700
Gain	dBi	9.5 \pm 0.5	10.5 \pm 0.5
Polarization		Vertical	
Beam width	Horizontal	deg	65 \pm 15
	Vertical		58 \pm 10
VSWR		\leq 1.8	\leq 1.5
PIM, 3rd Order, 2 x 2W,	dBc	-140	
Maximum input power	W	50	
Lightning protection		DC Ground	
Impedance	Ω	50	

Mechanical Specification

Connector Type		N-female
Connector position		Bottom
Size	(mm)	440 \times 210 \times 65
Antenna Weight	kg	0.65
Rated wind velocity	m/s	36.9
Operational Temperature	oC	-40 ~ 55
Radome material		ABS, White, RAL9003
Mounting hardware	(mm)	ϕ 35 ~ ϕ 50

Radiation Pattern





Features and Product Description

- Wide band Wide band Log periodic Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain with 11dBi, Stable performance.
- Supplied with mounting bracket and easy to install.
- N-female compliant.



1.7 AI698-4000H06i360B

Indoor Wide band Omni Antenna , coverage 698MHz - 4000MHz

Electrical Specifications

Item No.	AI698-4000H06i360B				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Horizontal			
VSWR		≤1.5	≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2W,	dBc	≤-140			
Input Power, maximum	watts	50			
Impedance	ohm	50			

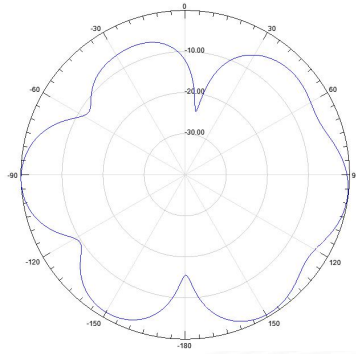
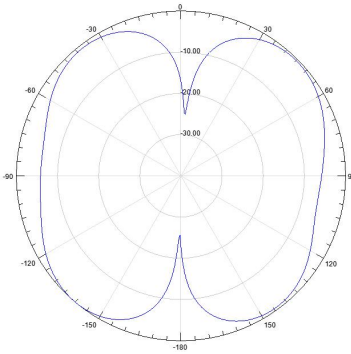
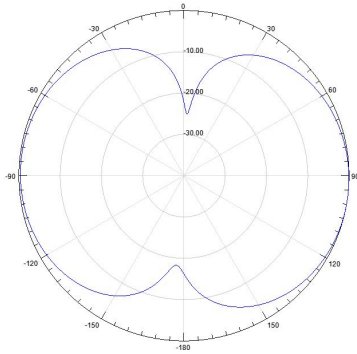
Mechanical Specification

Connector Type		N-female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55~60
Operational Humidity	%	< 95

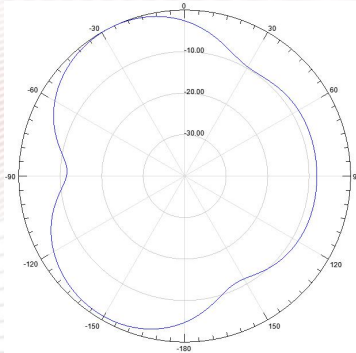
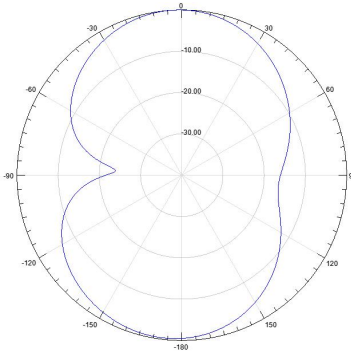
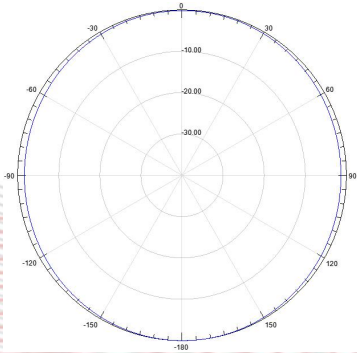
Radiation Pattern



Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz

Features and Product Description

- Wideband Omni Antenna , coverage 698MHz - 4000MHz .
- Typically both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss,Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- N-female



1.8 AI698-4000HH06i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

[PRELIMINARY]

Electrical Specifications

Item No.	AI698-4000HH06i360B					
Frequency Range	MHz	698-806	806-960	1350-1550	1710-2700	3300-4000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Linear Horizontal				
VSWR		≤1.8	≤1.8	≤2.0	≤1.8	≤1.8
Isolation	dB	≥17	≥17	≥15	≥20	≥25



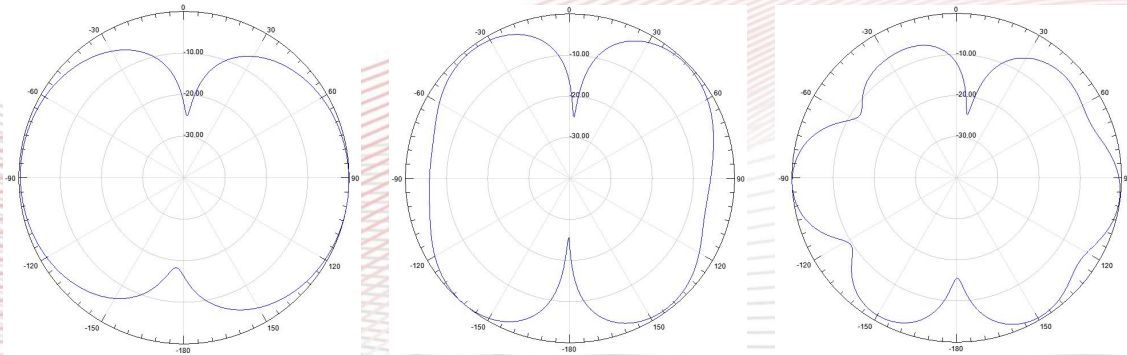
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140
Input Power, maximum	watts	50
Impedance	ohm	50

Mechanical Specification

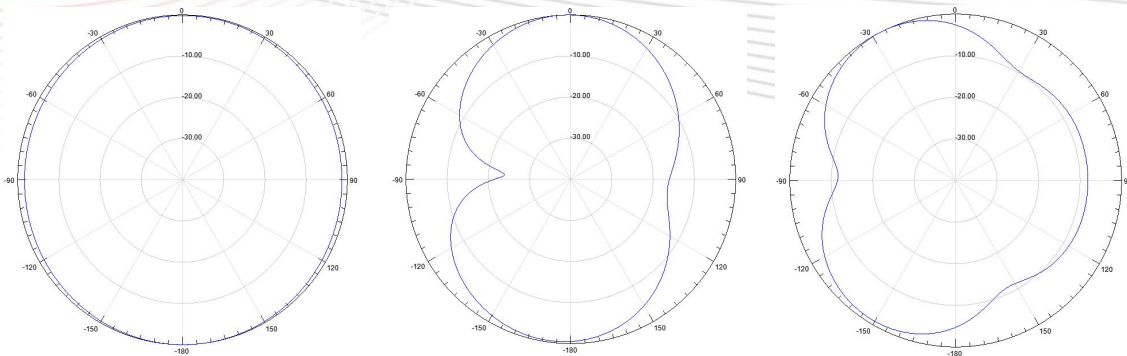
Connector Type		N-female×2
Size	mm	Φ266×18
Antenna Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material & Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern

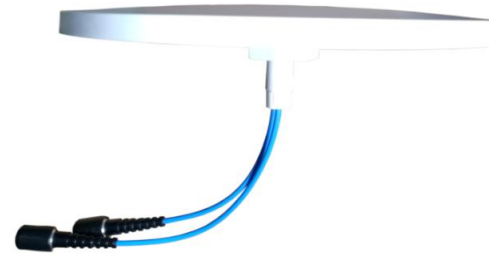
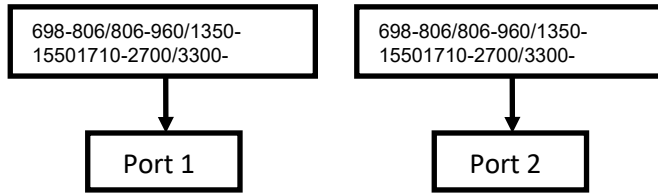


900MHz

1710MHz

2500MHz





1.9 AI698-4000V05i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

Item No.	AI698-4000V05i360B				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization		Vertical			
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140			
Input Power, maximum	watts	50			
Impedance	ohm	50			

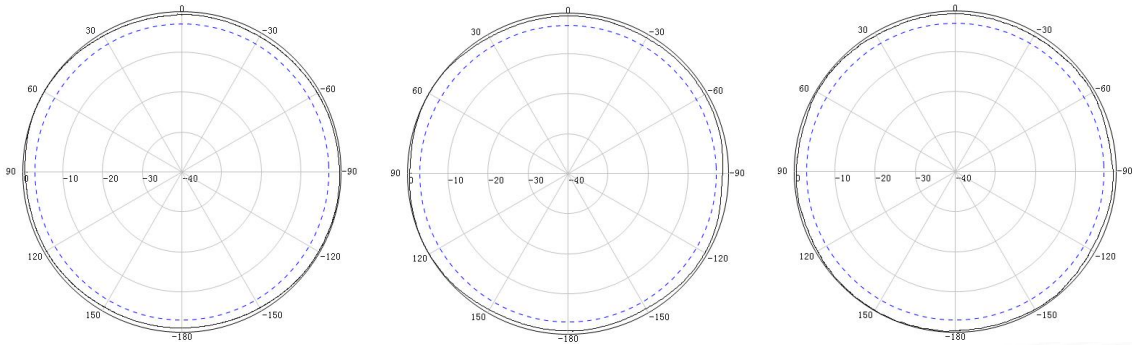
Mechanical Specification

Connector Type		N-female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

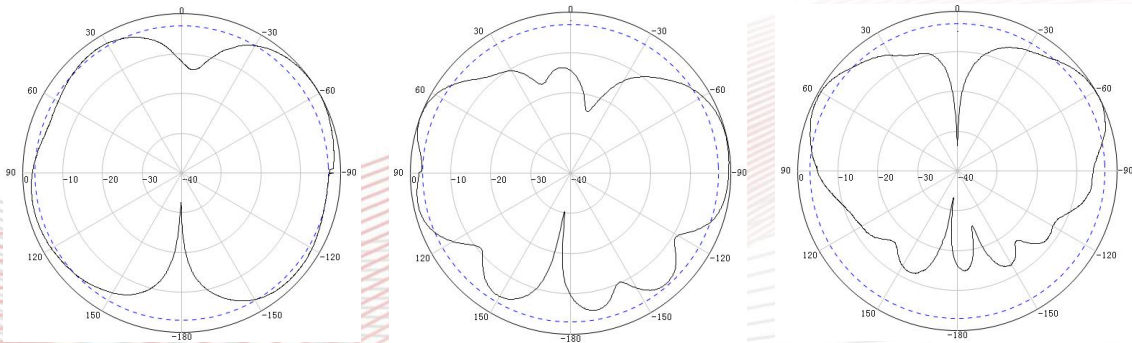
Radiation Pattern



Horizontal pattern



Vertical pattern



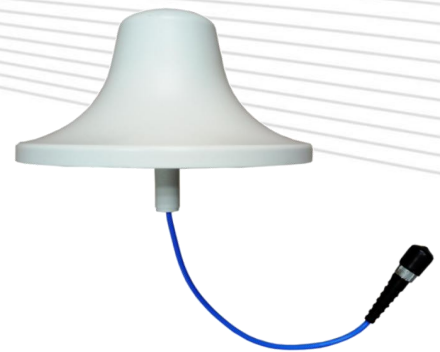
900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- N-female.



1.10 AI698-4000V08i75C

Electrical Specifications

Item No.		AI698-4000V08i75C					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization			Vertical				
Beam width	Horizontal	deg	80	80	65	60	55

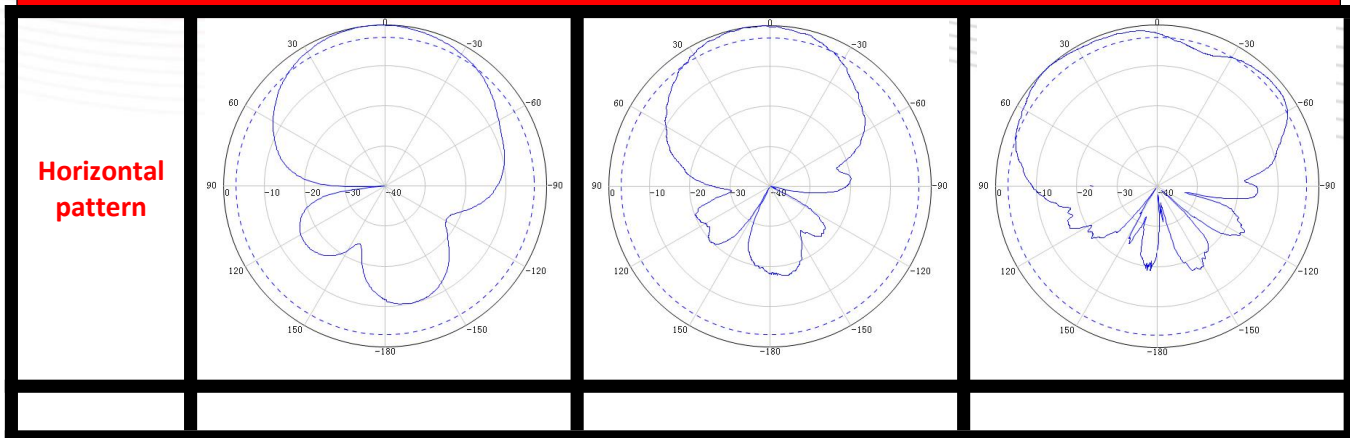


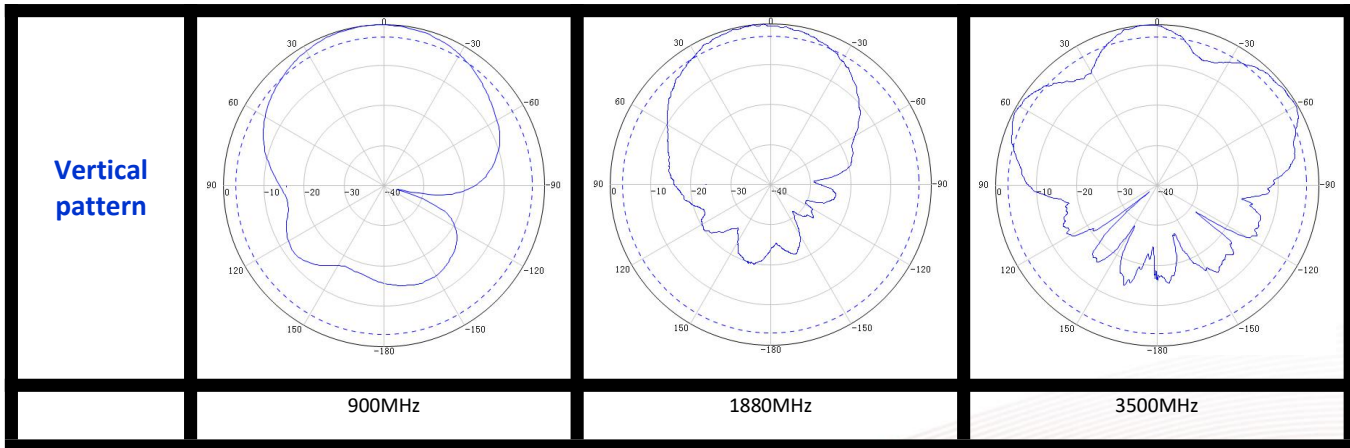
	Vertical		73	70	60	60	30
Front-To-Back Ratio	dB		> 5	> 8	> 10	> 15	> 10
VSWR			≤1.8				
PIM, 3rd Order, 2 x 2 W,	dBc		-140				
Input Power, maximum	watt		50				
Impedance	ohm		50				

Mechanical Specifications

Dimensions, HxWxD	mm	180x170x60
Weight, without Mounting Kit	kg	0.4
Radome Material and Color		ABS, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		N-Female
Operational Temperature	oC	-55 to +60

Radiation Patterns





Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 4000MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 W.
- N-female compliant.



1.11 AI698-4000VH03i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz, MIMO

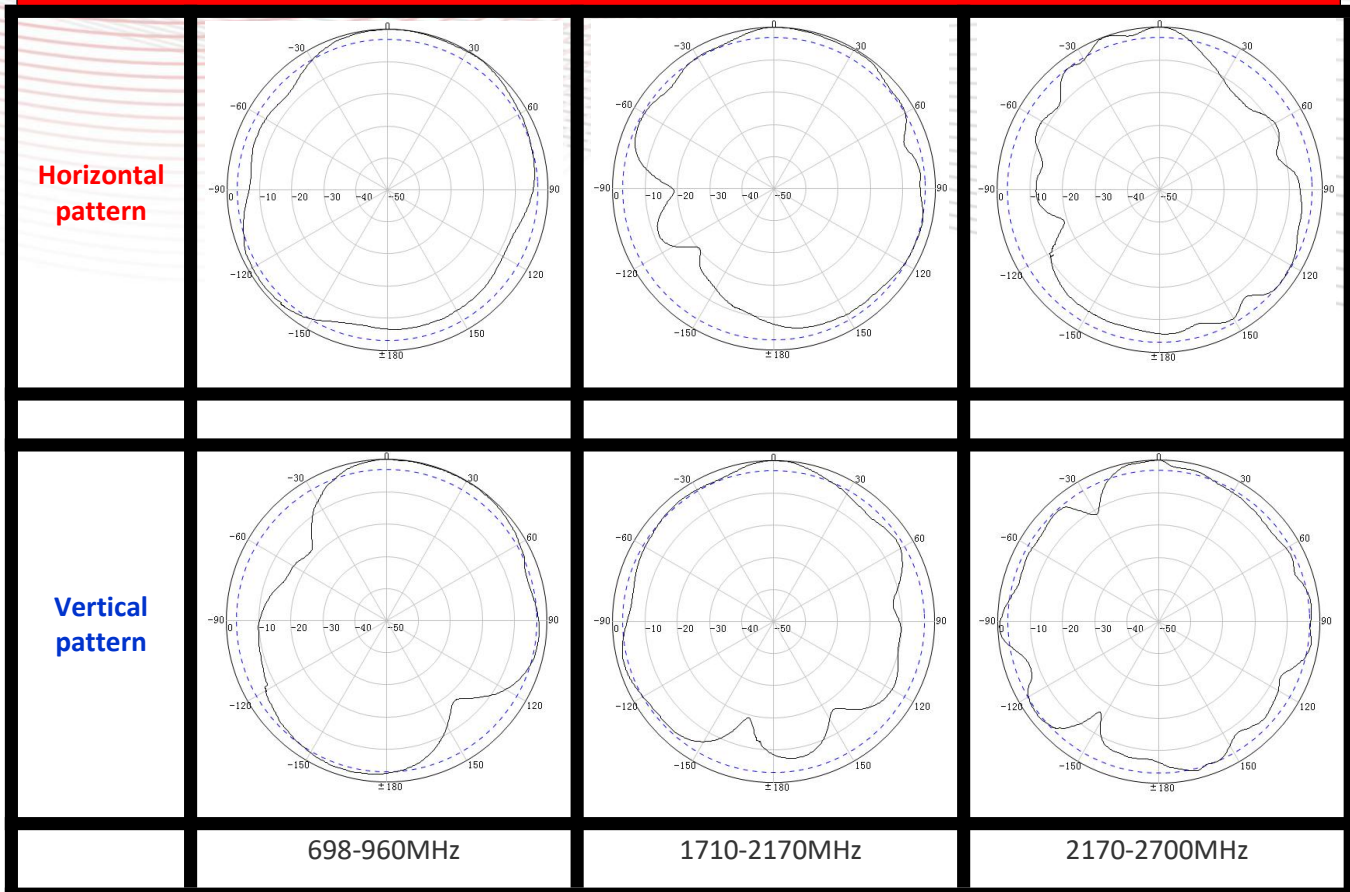
Electrical Specifications

Item No.		AI698-4000VH03i360B				
Frequency Range		MHz	698-806	806-960	1710-2700	3400-4000
Gain		dBi	3.0±0.5	3.5±0.5	4.5±1.0	5.0±1.0
Polarization			Linear×2			
Beam width (Typical)	Horizontal	deg	OMNI			
	Vertical		90	85	45	35



VSWR		≤2.0	≤2.0	≤2.0	≤2.0
Isolation	dB	>17	>17	>20	>25
PIM, 3rd Order, 2 x 2 W	dBc	≤-140			
Maximum Power	watts	50			
Impedance	ohm	50			
Mechanical Specifications					
Connector Type		N-Female×2			
Dimensions	mm	Φ218×40			
Weight	kg	0.5			
Mounting Kit		Ceiling, via hole (standard)			
Radome Material and Color		ABS, White, RAL9003			
Operational Temperature	oC	-55 ~ 60			
Operational Humidity	%	< 95			

Radiation Patterns



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.



1.12 AI698-4000VH08i75B

Electrical Specifications

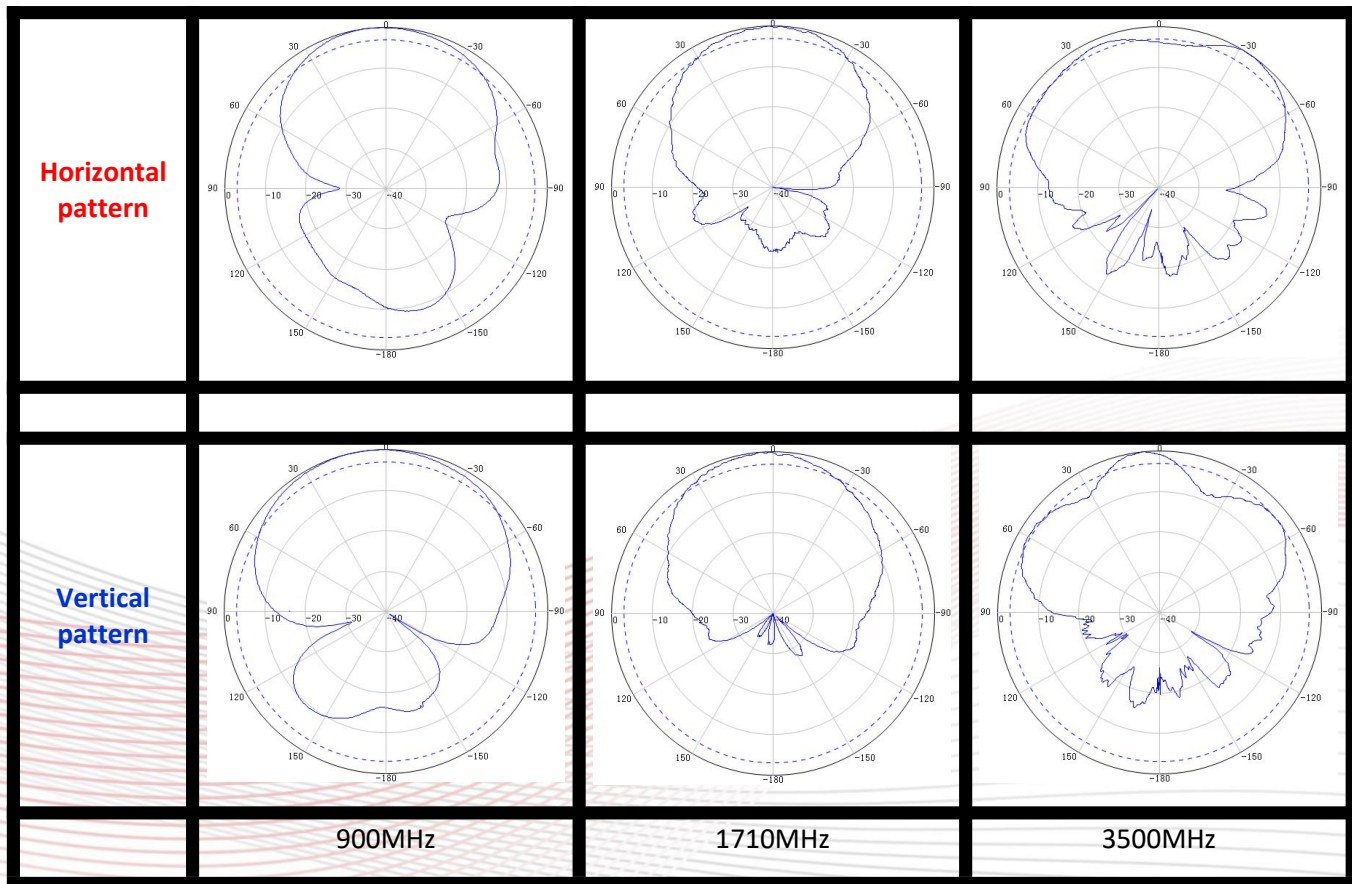
Item No.		AI698-4000VH08i75B					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization		Vertical and Horizontal					
Beam width (Typical)	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
VSWR		≤2.0					
PIM, 3rd Order, 2 x 2 W,		dBc	-140				
Input Power per Port, maximum		watts	50				
Impedance		ohm	50				

Mechanical Specifications

Dimensions, HxWxD	mm	400x180x62
Weight, without Mounting Kit	kg	1.5
Radome Material and Color		PVC, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		N-Female×2
Operational Temperature	oC	-55 to +60
Operational Humidity	%	< 95

Radiation Patterns





Features and Product Description

- Wideband Directional Antenna, Two ports of coverage 698MHz - 4000MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.



1.13 AR698-4000V04i360C

Indoor/Outdoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

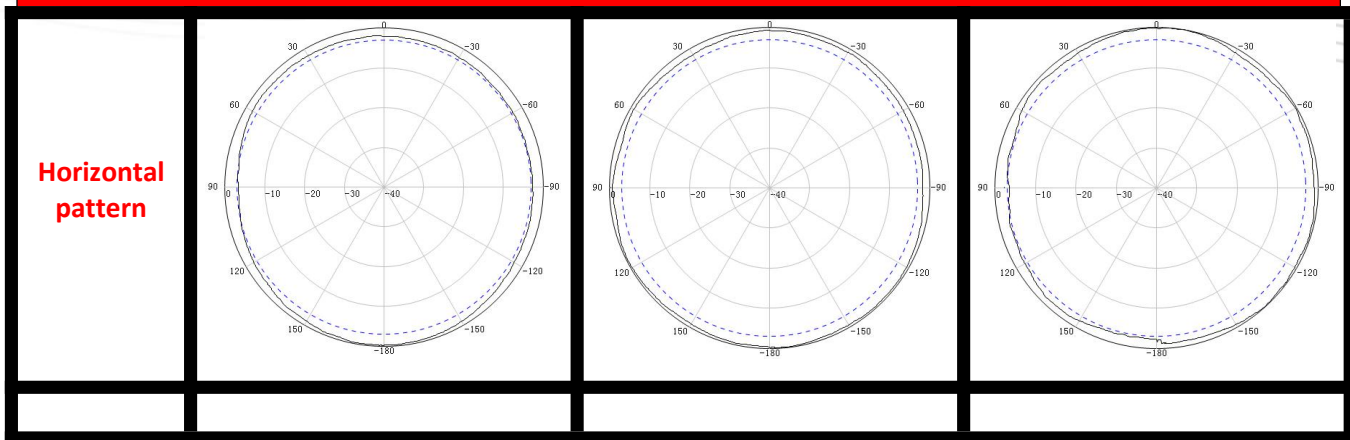


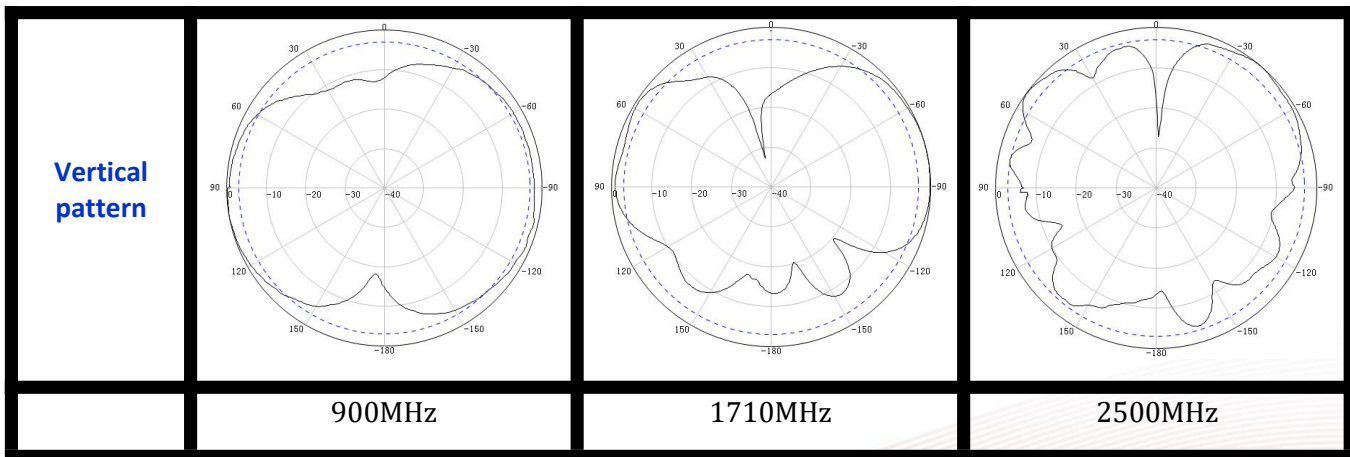
Item No.		AR698-4000V04i360C				
Frequency Range		MHz	698-806	806-960	1710-2700	3400-4000
Gain		dBi	2.5±0.5	3±0.5	3.5±0.5	4±0.5
Polarization		Vertical				
Beam width	Horizontal	deg	360			
	Vertical (Typical)		83	65	45	35
VSWR		≤1.8				
PIM, 3rd Order, 2 x 2 W,		dBc	-140			
Input Power, maximum		watt	50			
Impedance		ohm	50			

Mechanical Specifications

Connector Type		N-Female
Dimensions	mm	211x67x67
Weight	kg	0.3
Mounting Kit		On-wall/ Pole mounting
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns





Features and Product Description

- Wideband Omni Antenna, coverage 698MHz-4000MHz.
- Typically, both used in indoor & outdoor distribution of LTE services.
- Low return loss, High gain, Good radiation pattern.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp. Both mounting on wall and pole.
- ABS antenna cover, waterproof, UV-resistance.
- PIM<-140dBc @ 2x2 W.



1.14 AI380-2700H04i360B

Indoor Wide band Omni Antenna, coverage 380MHz - 2700MHz

Electrical Specifications

Item No.	AI380-2700H04i360B			
Frequency Range	MHz	380-520	698-960	1710-2700
Gain	dBi	2.0±1.0	2.2±1.0	4.5±1.0
Polarization		Horizontal		
VSWR		≤2.5	≤2.0	≤2.0
PIM, 3rd Order, 2 x 2 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		
Impedance	ohm	50		

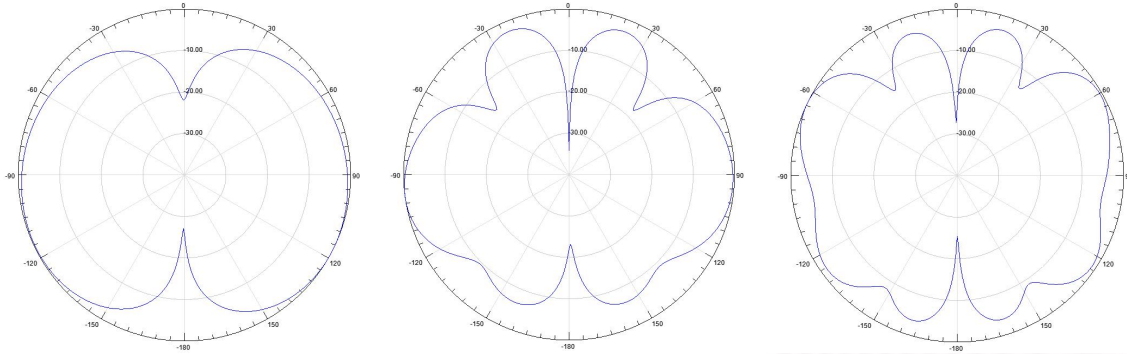
Mechanical Specification

Connector Type		N-female
Size	mm	Φ266×18
Antenna Weight	kg	0.4
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95
Ingression protection		IP67

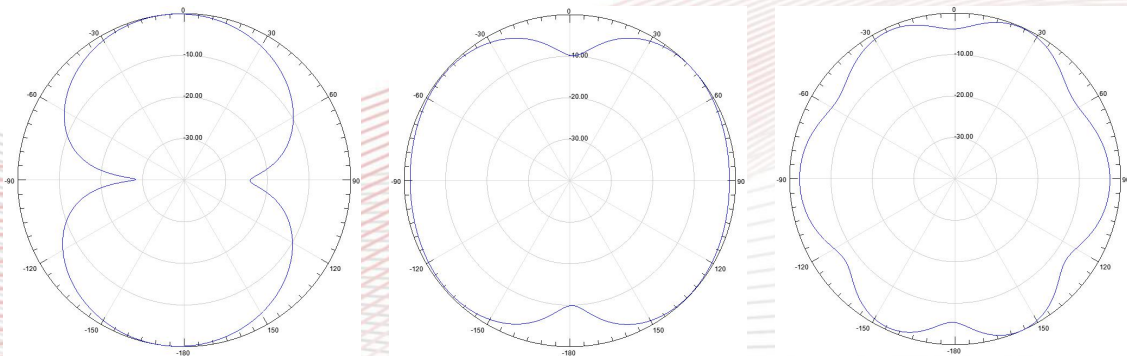
Radiation Pattern



**Horizontal
pattern**



**Vertical
pattern**



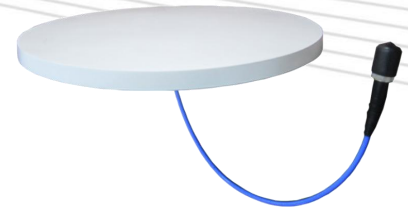
800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE 5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.



1.15 AI380-2700V08i70B

Indoor Wide band Panel Antenna, coverage 380MHz - 2700MHz

Electrical Specifications

Item No.	AI380-2700V08i70B			
Frequency Range	MHz	380-530	698-960	1710-2700
Gain	dBi	4±1.0	5±1.0	7±1.0
Polarization		Vertical		

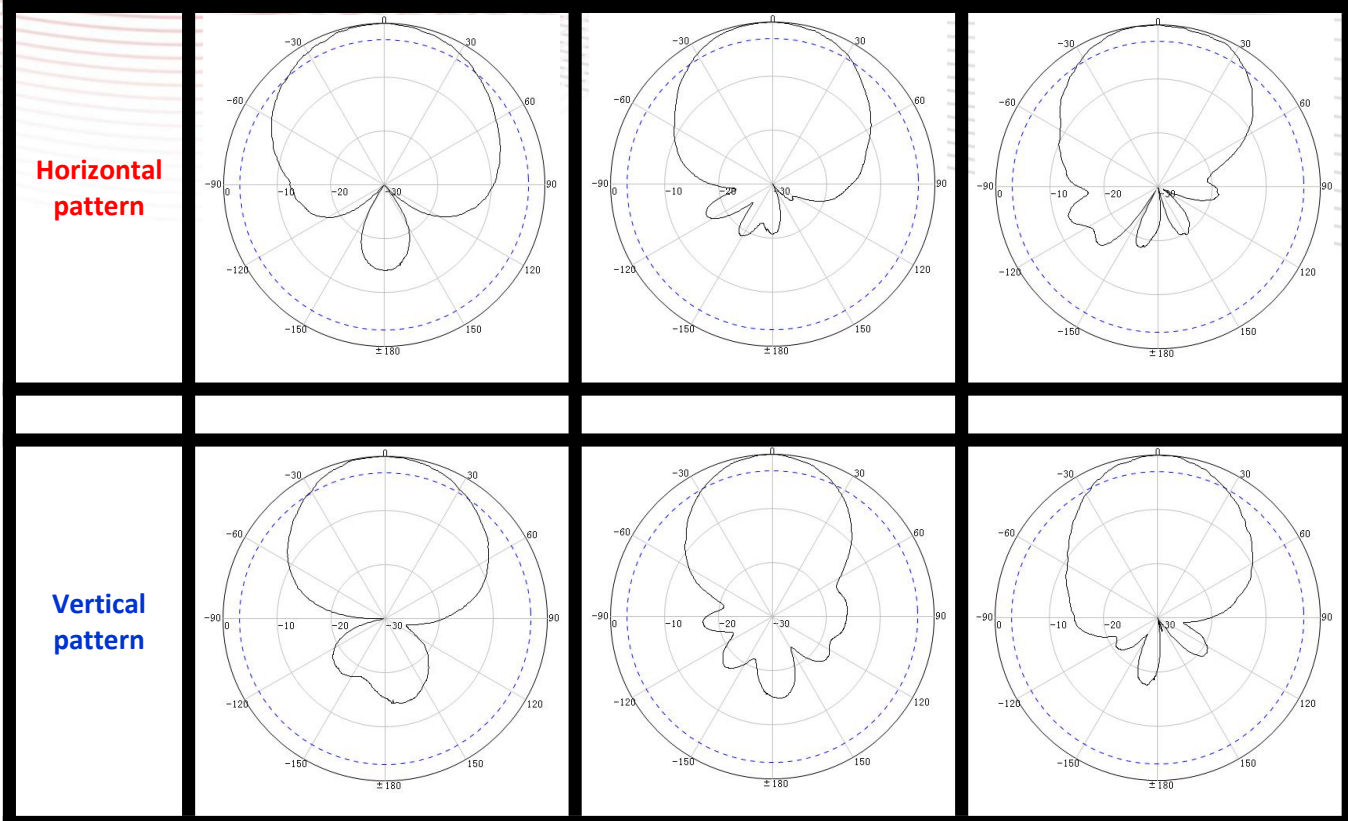


Beam width	Horizontal (Typical)	deg	150	90	75
	Vertical (Typical)		50	65	65
VSWR			≤2.5	≤2.0	≤2.0
PIM, 3rd Order, 2 x 2W,		dBc	/	≤-140	≤-140
Input Power, maximum		watt	50		
Impedance		ohm	50		

Mechanical Specifications

Connector Type		N-female
Size	mm	308x190x65
Weight, without Mounting Kit	kg	0.6
Mounting Kit		Wall mount
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns



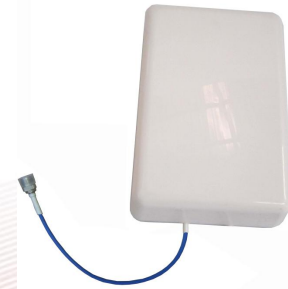
900MHz

1710MHz

2500MHz

Features and Product Description

- New generation wideband Directional Antenna, coverage 380MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 W.
- N-female compliant.



1.16 AI380-6000V05i360B

Indoor Wide band Omni Antenna, coverage 380MHz - 6000MHz

Electrical Specifications

Item No.	AI380-6000V05i360B			
Frequency Range	MHz	380-520	698-960	1710-6000
Gain	dBi	2.0±1.0	2.5±1.0	4.0±1.0
Polarization	Vertical			
Beam width	Horizontal	360		
	Vertical	90	90	35
VSWR		≤3.0	≤2.0	≤2.0
PIM, 3rd Order, 2 x 2 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		
Impedance	ohm	50		

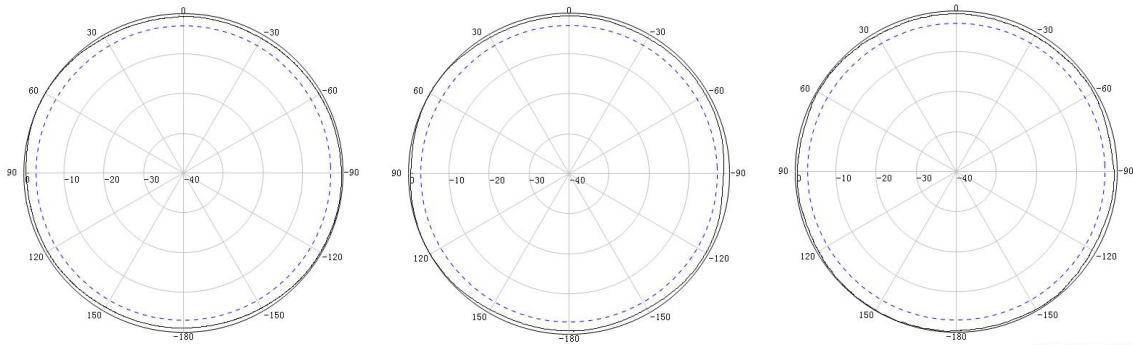
Mechanical Specification

Connector Type		N-female
Size	mm	Φ298×152
Antenna Weight	kg	0.9
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

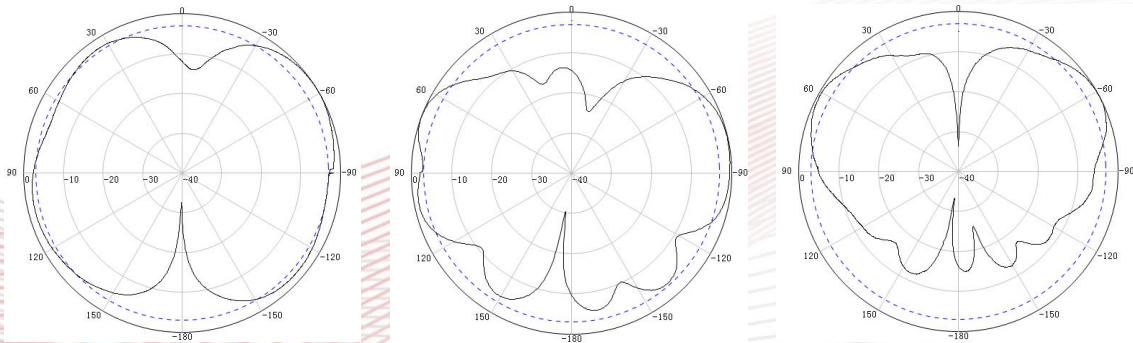
Radiation Pattern



Horizontal pattern



Vertical pattern



800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.



1.17 AI698-6000V05i360B

Indoor Wide band Omni Antenna, coverage 698MHz - 6000MHz

Electrical Specifications

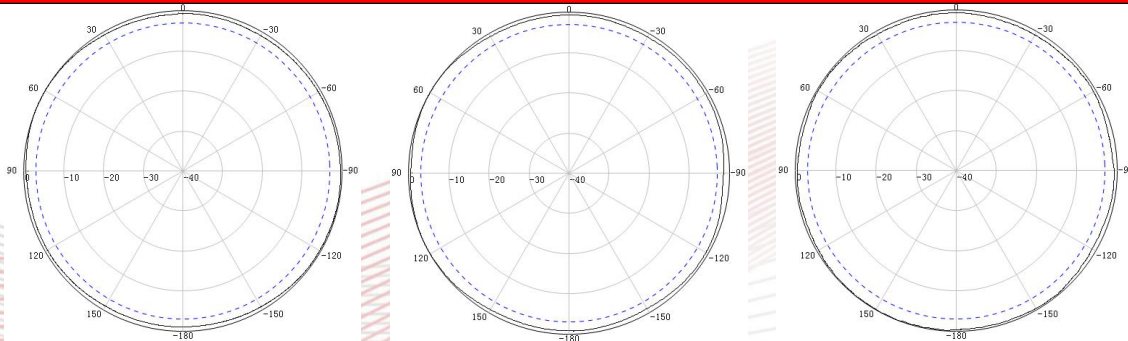
Item No.	AI698-6000V05i360B				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-6000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140			
Input Power, maximum	watts	50			



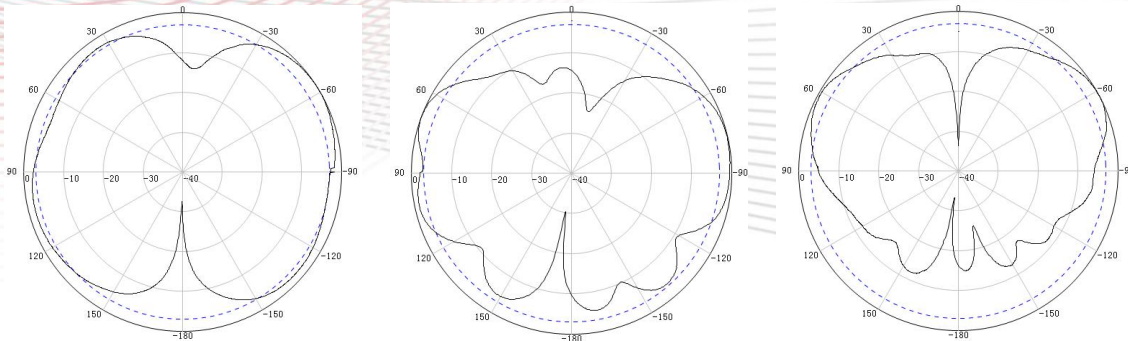
Impedance	ohm	50
Mechanical Specification		
Connector Type		N-female
Dimensions	mm	Φ203×115
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.



- N-female.

2. 2W Antenna, 4.3-10 Female

2.1 AI698-2700H06i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AI698-2700H06i360B-4310			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0
Polarization		Horizontal		
VSWR		≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140		
Input Power, maximum	watts	50		
Impedance	ohm	50		

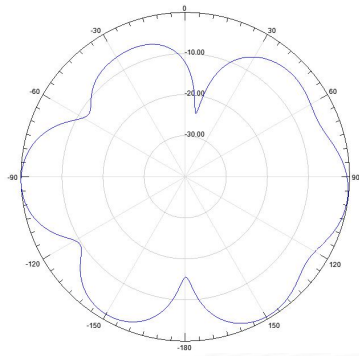
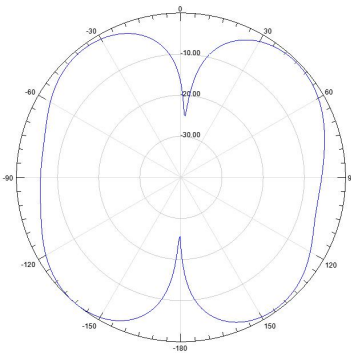
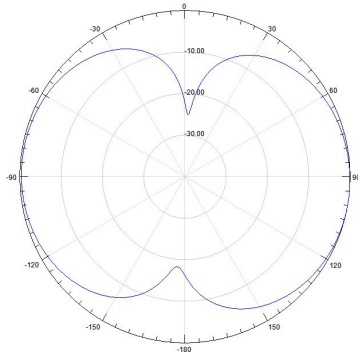
Mechanical Specification

Connector Type		4.3-10 female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55~60
Operational Humidity	%	< 95

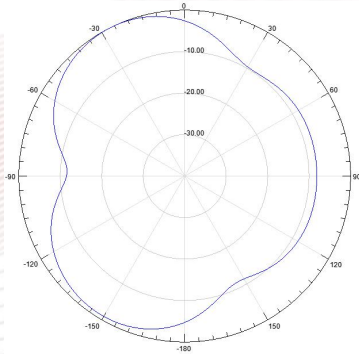
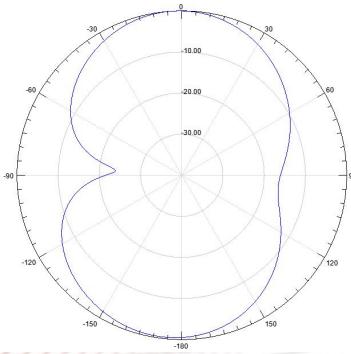
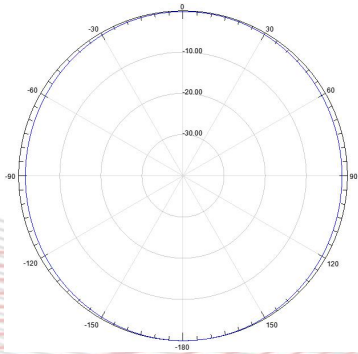
Radiation Pattern



Horizontal pattern



Vertical pattern



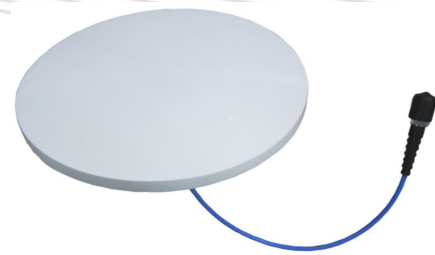
900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female



2.2 AI698-2700V05i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

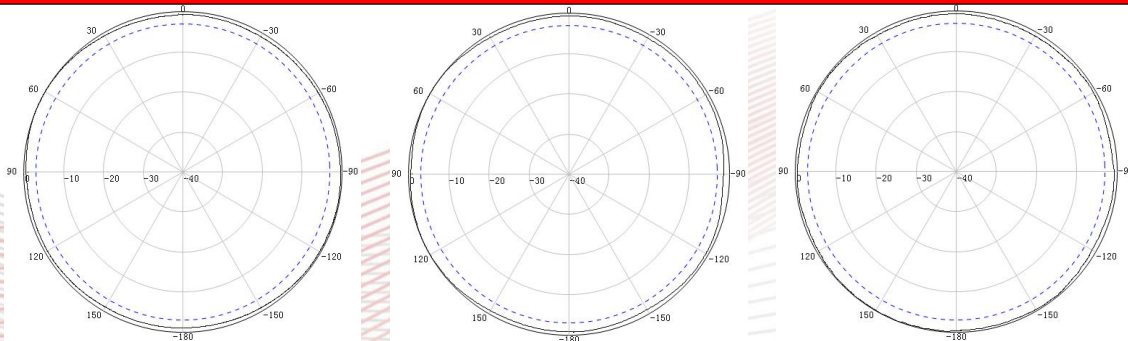
Item No.	AI698-2700V05i360B-4310			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0
Polarization		Vertical		
Beam width	Horizontal	360		
	Vertical	90	70	35
VSWR		≤1.8	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140		



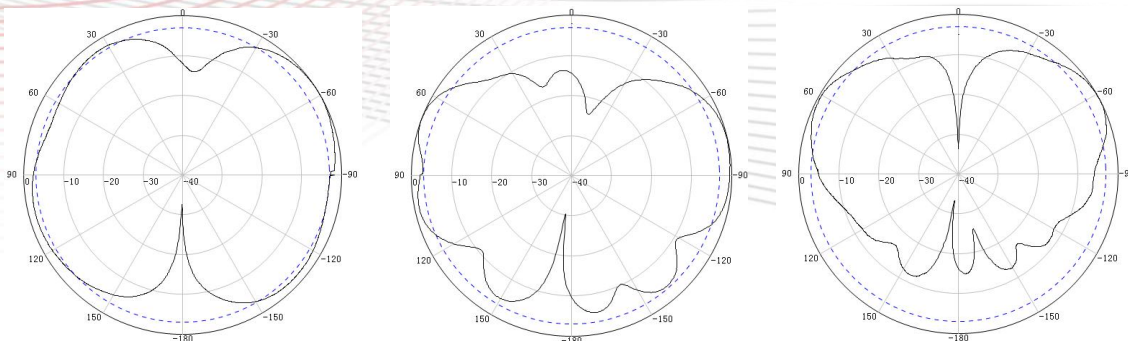
Input Power, maximum	watts	50
Impedance	ohm	50
Mechanical Specification		
Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female.



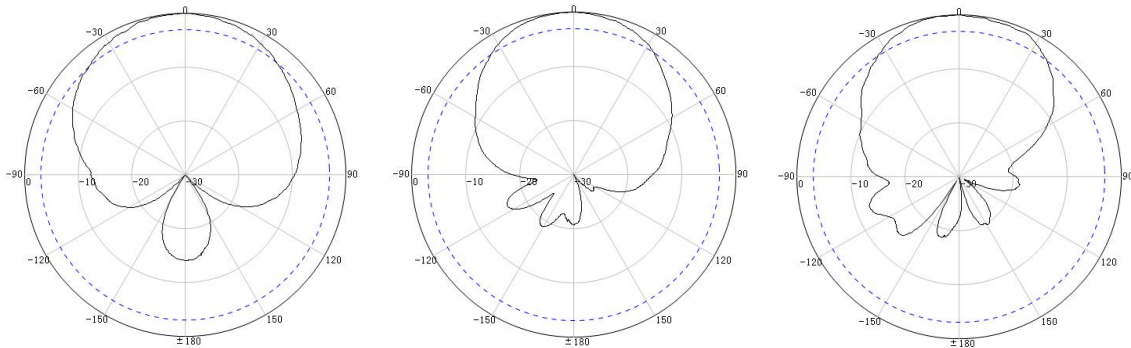
2.3 AI698-2700V09i70F-4310

Indoor Wide band Panel Antenna, coverage 698MHz - 2700MHz

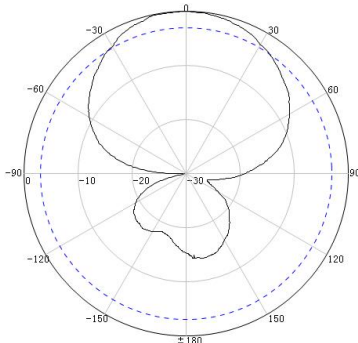
Electrical Specifications						
Item No.	AI698-2700V09i70F-4310					
Frequency Range	MHz	698-806	806-960	1710-2170	2170-2700	
Gain	dBi	5.5±1	6±1	7±1	7.5±1	
Polarization	Vertical					
Beam width	Horizontal	deg	85±20	85±20	62±15	60±20
	Vertical (Typical)		75	73	60	50
Front-To-Back Ratio	dB	> 8	> 8	> 12	> 12	
VSWR		≤1.8	≤1.8	≤1.8	≤1.8	
PIM, 3rd Order, 2 x 2W,	dBc	-140				
Input Power, maximum	watt	50				
Impedance	ohm	50				
Mechanical Specifications						
Connector Type		4.3-10 female				
Size	mm	165x155x50				
Weight, without Mounting Kit	kg	0.37				
Mounting Kit		On-wall				
Radome Material and Color		ABS, White, RAL9003				
Operational Temperature	oC	-55 ~ 60				
Operational Humidity	%	< 95				

Radiation Patterns

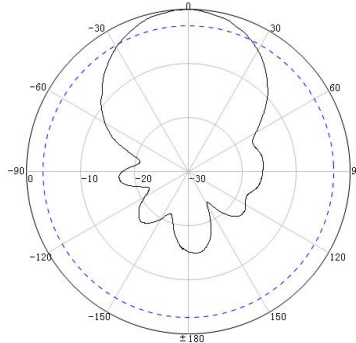
Horizontal pattern



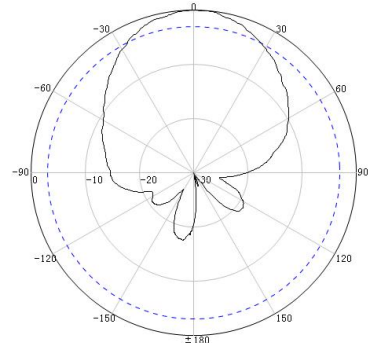
Vertical pattern



900MHz



1710MHz



2500MHz

Features and Product Description

- Newy used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 generation wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- TypicallW.
- 4.3-10 female compliant.



2.4 AI698-2700VH03i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz, MIMO

Electrical Specifications

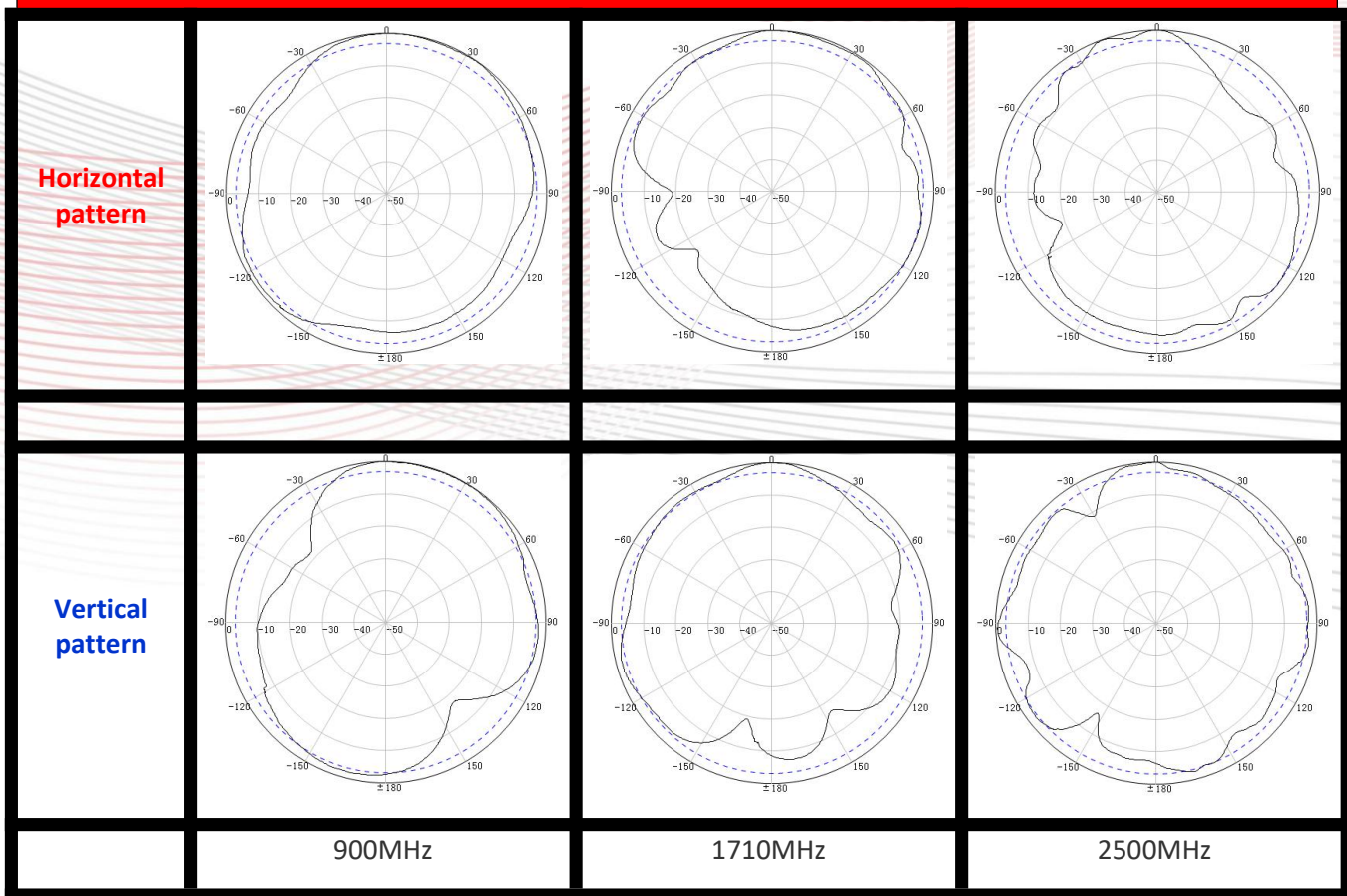
Item No.		AI698-2700VH03i360B-4310			
Frequency Range		MHz	698-806	806-960	1710-2700
Gain		dBi	3.0±0.5	3.5±0.5	4.5±1.0
Polarization			Linear×2		
Beam width (Typical)	Horizontal	deg	OMNI		
	Vertical		90	85	45
VSWR			≤2.0	≤2.0	≤2.0
Isolation		dB	>17	>17	>20
PIM, 3rd Order, 2 x 2 W		dBc	≤-140		
Maximum Power		watts	50		
Impedance		ohm	50		

Mechanical Specifications



Connector Type		4.3-10 Female×2
Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.



- PIM<-140dBc @ 2x2 W.

2.5 AI698-2700X07i70B-4310

Electrical Specifications

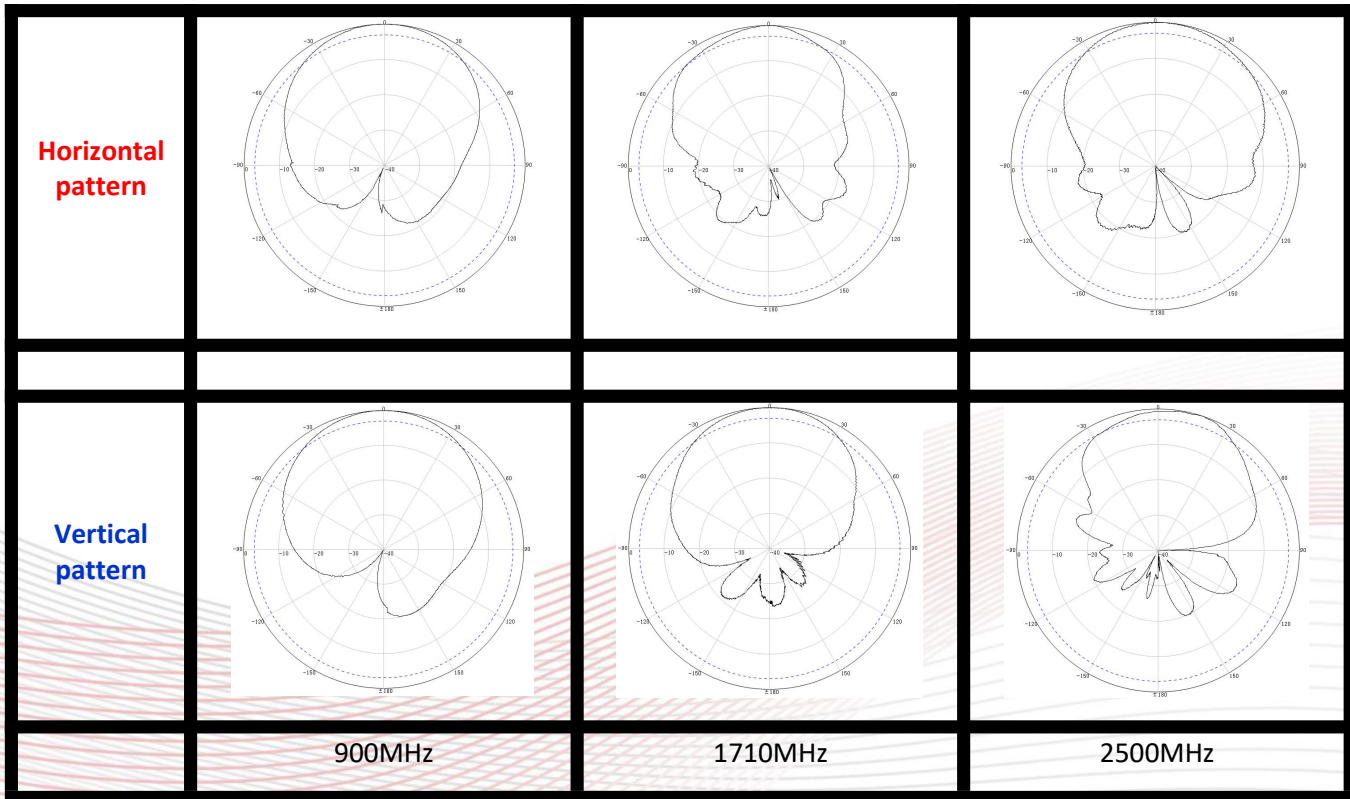
Item No.	AI698-2700X07i70B-4310						
Frequency Range	MHz	698-806	806-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain	dBi	6.4	7.5	8.1	8.1	8.1	7.1
Polarization		±45°					
Beam width	Horizontal	deg		61-82	63-87		
	Vertical			55-80	55-85		
Front-To-Back Ratio	dB	≥10		≥15			
VSWR		≤2.0		≤1.5			
Isolation	dB	>20		>23			
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140					
Input Power per Port, maximum	watts	50					

Mechanical Specifications

Dimensions, HxWxD	mm	308x190x65					
Weight, without Mounting Kit	kg	0.9					
Radome Material and Color		ABS, White, RAL9003					
Mounting Kit		On-wall					
Connector Type and Location		4.3-10 Female×2					
Operational Temperature	oC	-55 to +60					
Operational Humidity	%	< 95					

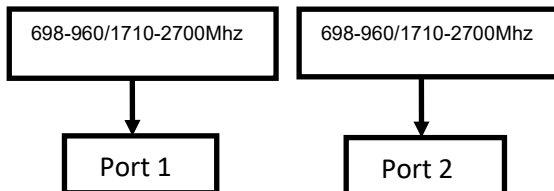
Radiation Patterns





Features and Product Description

- Wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.
- Dual Polarization $\pm 45^\circ$ for Whole Band 700-2700Mhz.
- 4.3-10 female.



2.6 AR698-2700V11i60E-4310

Indoor/Outdoor Wide band Log periodic Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AR698-2700V11i60E-4310		
Frequency Range	MHz	698-960	1710-2700
Gain	dBi	9.5±0.5	10.5±0.5
Polarization		Vertical	
Beam width	Horizontal	deg	65±15
			58±10

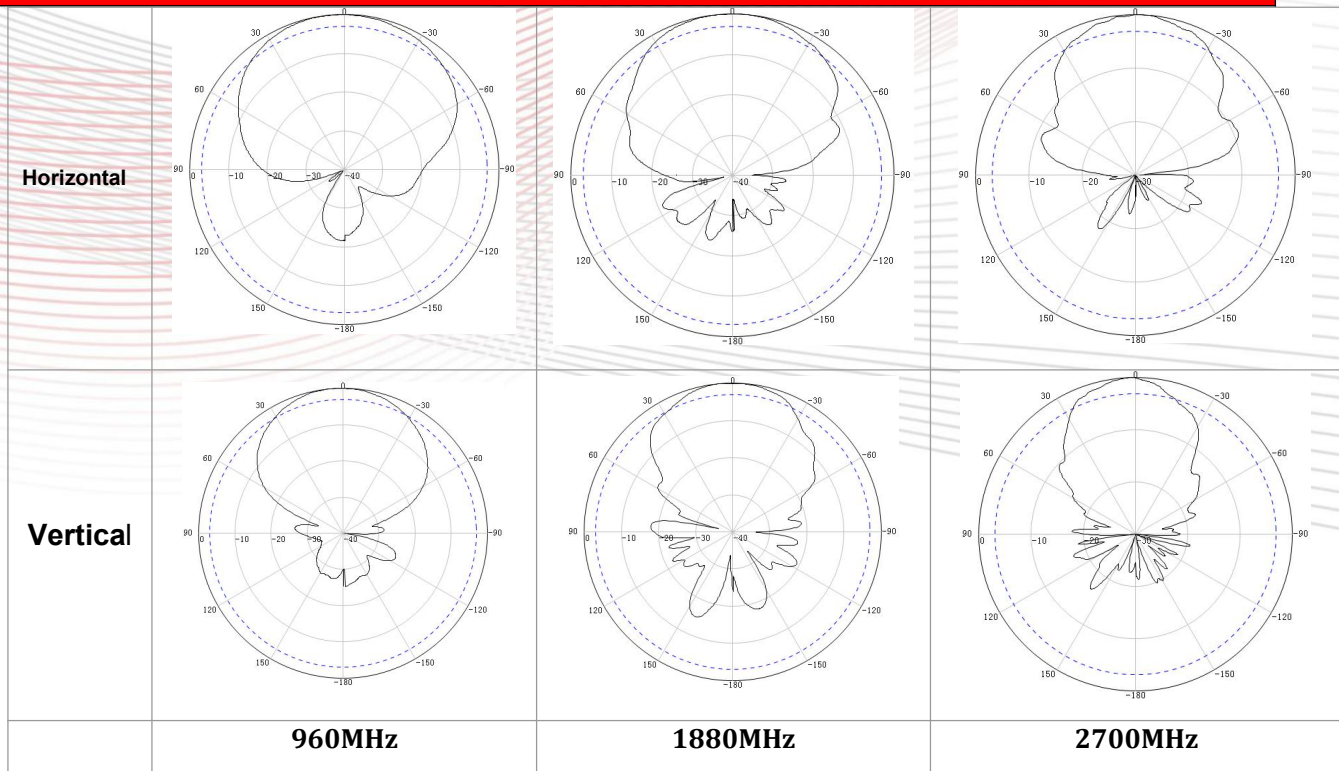


	Vertical		60±15	55±10
VSWR			≤1.8	≤1.5
PIM, 3rd Order, 2 x 2W,	dBc			-140
Maximum input power	W			50
Lightning protection				DC Ground
Impedance	Ω			50

Mechanical Specification

Connector Type				4.3-10 female
Connector position				Bottom
Size	(mm)			440×210×65
Antenna Weight	kg			0.65
Rated wind velocity	m/s			36.9
Operational Temperature	oC			-40 ~ 55
Radome material				ABS, White, RAL9003
Mounting hardware	(mm)			φ35 ~ φ50

Radiation Pattern



Features and Product Description

- Wide band Wide band Log periodic Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain with 11dBi, Stable performance.
- Supplied with mounting bracket and easy to install.
- 4.3-10 female compliant.



2.7 AI698-4000H06i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

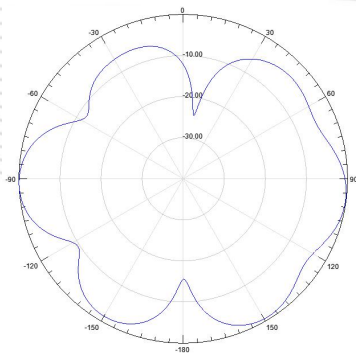
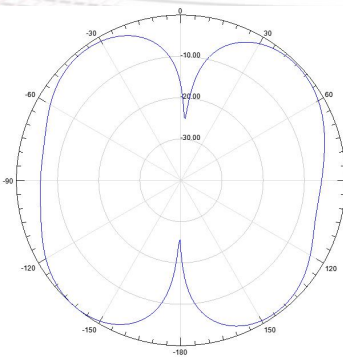
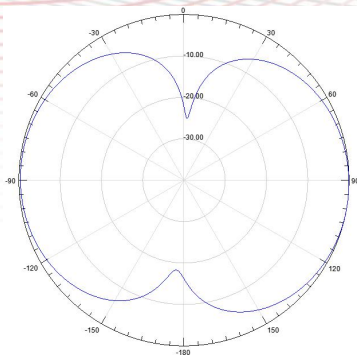
Item No.	AI698-4000H06i360B-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Horizontal			
VSWR		≤1.5	≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 2W,	dBc	≤-140			
Input Power, maximum	watts	50			
Impedance	ohm	50			

Mechanical Specification

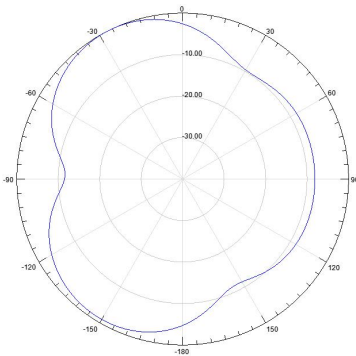
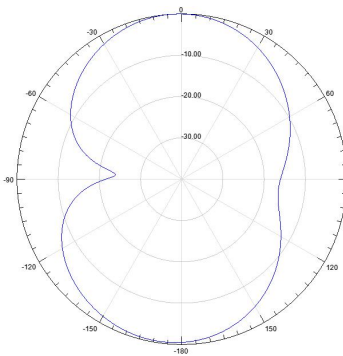
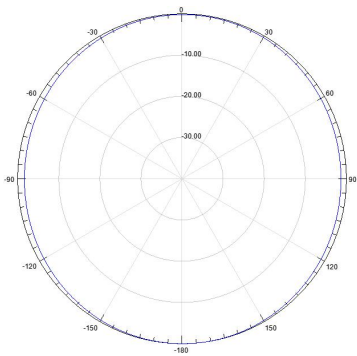
Connector Type		4.3-10 female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55~60
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz



Features and Product Description

- Wideband Omni Antenna , coverage 698MHz - 4000MHz .
- Typically both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss,Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female



2.8 AI698-4000HH06i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

[PRELIMINARY]

Electrical Specifications

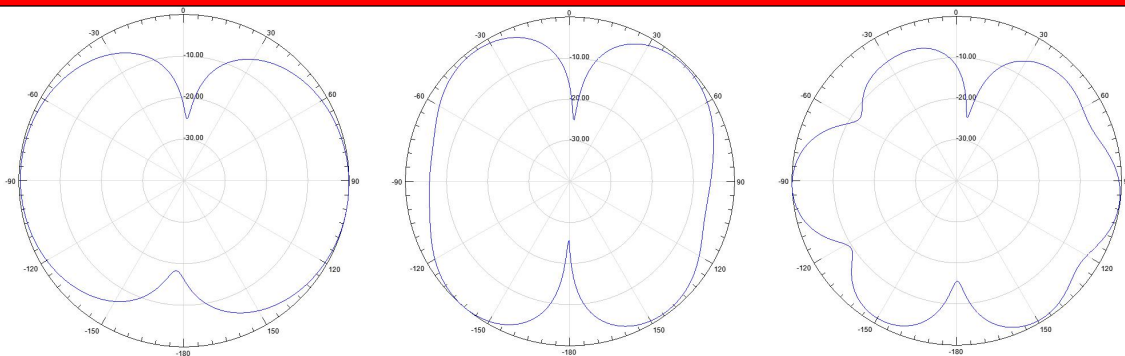
Item No.	AI698-4000HH06i360B-4310					
Frequency Range	MHz	698-806	806-960	1350-1550	1710-2700	3300-4000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Linear Horizontal				
VSWR		≤1.8	≤1.8	≤2.0	≤1.8	≤1.8
Isolation	dB	≥17	≥17	≥15	≥20	≥25
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140				
Input Power, maximum	watts	50				
Impedance	ohm	50				

Mechanical Specification

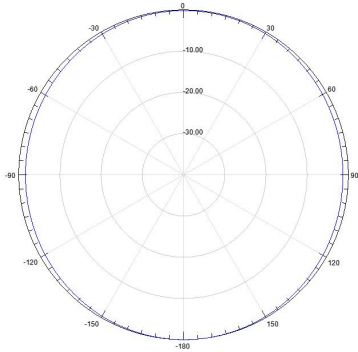
Connector Type		4.3-10 female×2
Size	mm	Φ266×18
Antenna Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material & Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

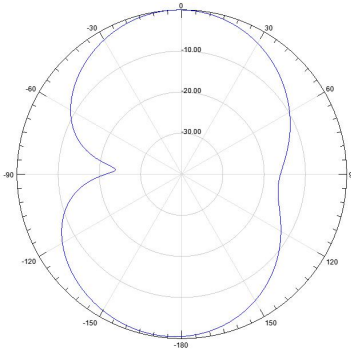
Horizontal pattern



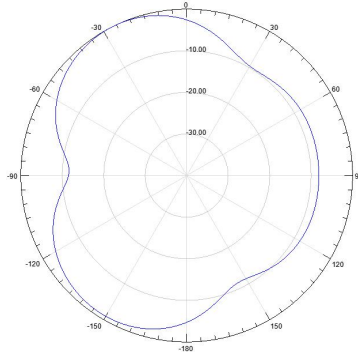
Vertical pattern



900MHz



1710MHz



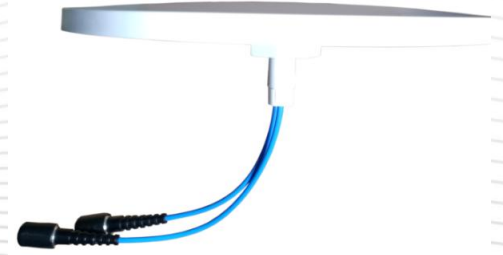
2500MHz

698-806/806-960/1350-1550
1710-2700/3300-

Port 1

698-806/806-960/1350-1550
1710-2700/3300-

Port 2



2.9 AI698-4000V05i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

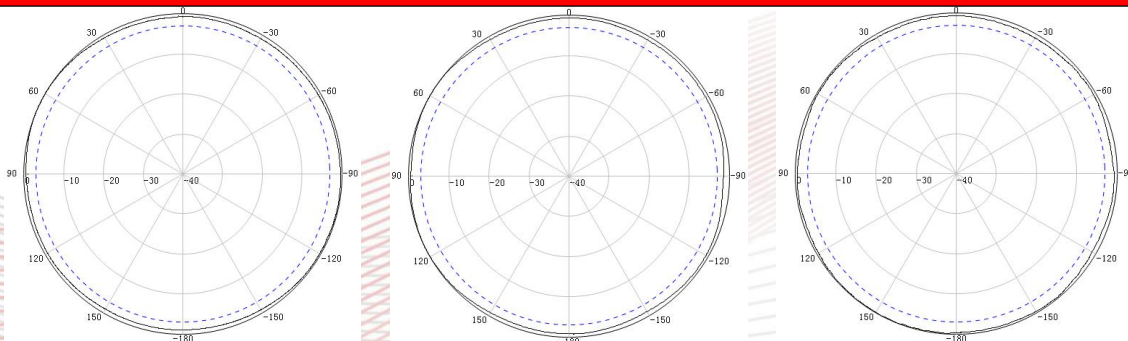
Item No.	AI698-4000V05i360B-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140			



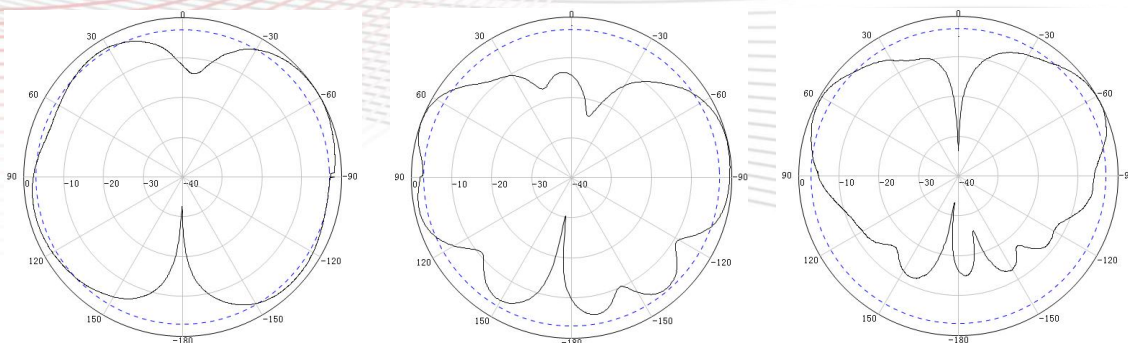
Input Power, maximum	watts	50
Impedance	ohm	50
Mechanical Specification		
Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female.



2.10 AI698-4000V08i75C-4310

Electrical Specifications

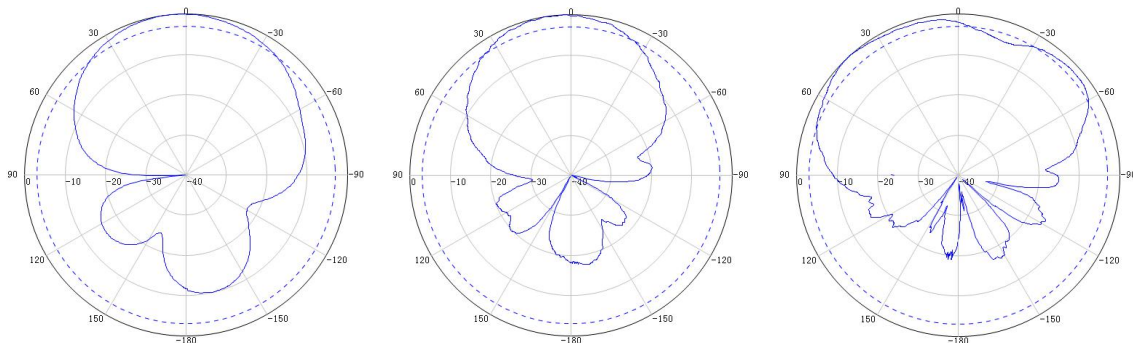
Item No.		AI698-4000V08i75C-4310					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization			Vertical				
Beam width	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
Front-To-Back Ratio		dB	> 5	> 8	> 10	> 15	> 10
VSWR			≤1.8				
PIM, 3rd Order, 2 x 2 W,		dBc	-140				
Input Power, maximum		watt	50				
Impedance		ohm	50				

Mechanical Specifications

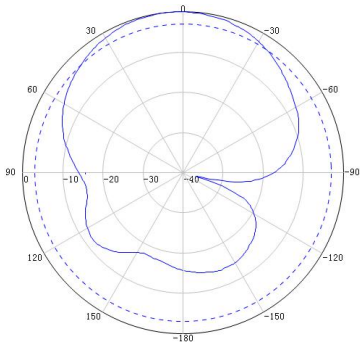
Dimensions, HxWxD	mm	180x170x60
Weight, without Mounting Kit	kg	0.4
Radome Material and Color		ABS, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		4.3-10 Female
Operational Temperature	oC	-55 to +60

Radiation Patterns

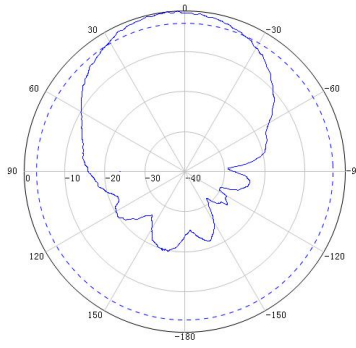
Horizontal pattern



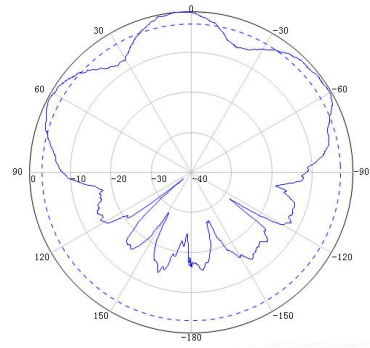
Vertical pattern



900MHz



1880MHz



3500MHz

Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 4000MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female.



2.11 AI698-4000VH03i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz, MIMO

Electrical Specifications

Item No.	AI698-4000VH03i360B-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	3.0±0.5	3.5±0.5	4.5±1.0	5.0±1.0
Polarization		Linear×2			
Beam width (Typical)	Horizontal	deg	OMNI		
	Vertical		90	85	45
VSWR		≤2.0	≤2.0	≤2.0	≤2.0
Isolation	dB	>17	>17	>20	>25
PIM, 3rd Order, 2 x 2 W	dBc	≤-140			
Maximum Power	watts	50			
Impedance	ohm	50			

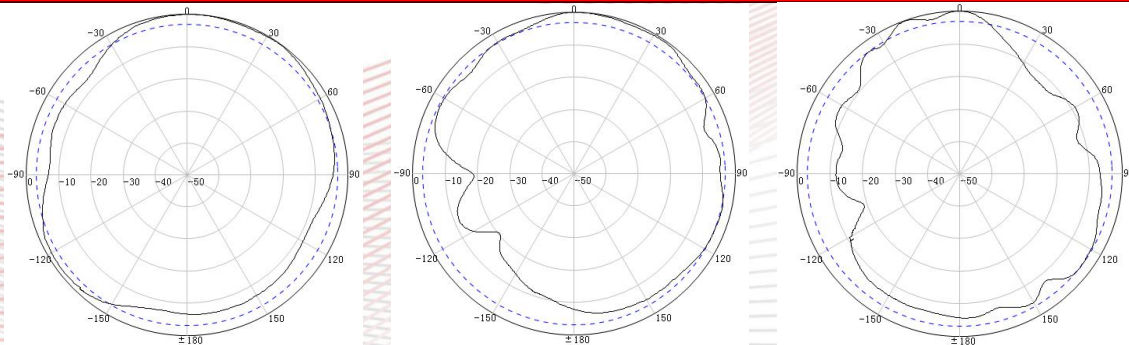


Mechanical Specifications

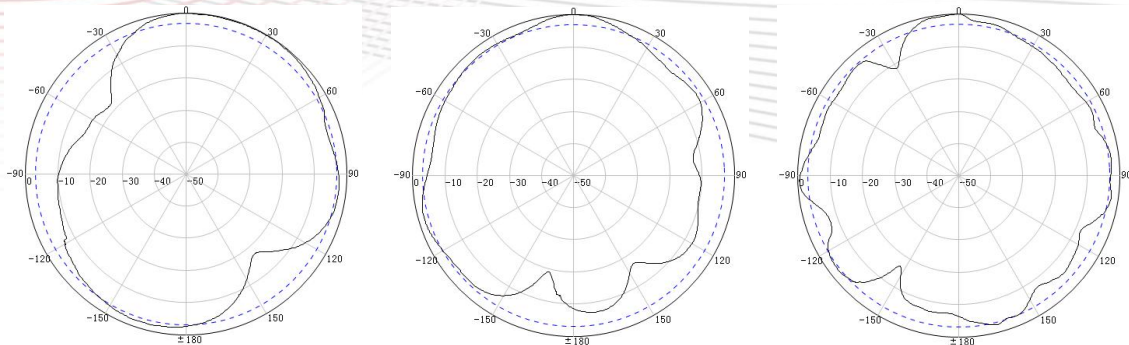
Connector Type		4.3-10 Femalex2
Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns

Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.



2.12 AI698-4000VH08i75B-4310

Electrical Specifications

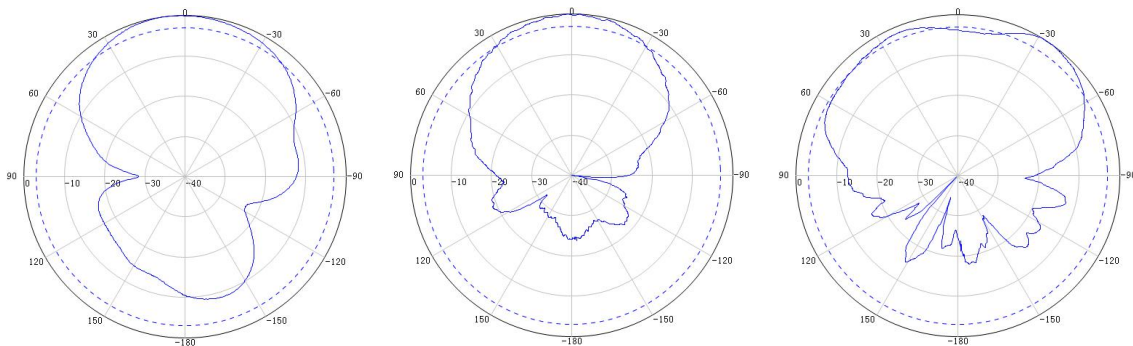
Item No.		AI698-4000VH08i75B-4310					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization		Vertical and Horizontal					
Beam width (Typical)	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
VSWR		≤2.0					
PIM, 3rd Order, 2 x 2 W,		dBc	-140				
Input Power per Port, maximum		watts	50				
Impedance		ohm	50				

Mechanical Specifications

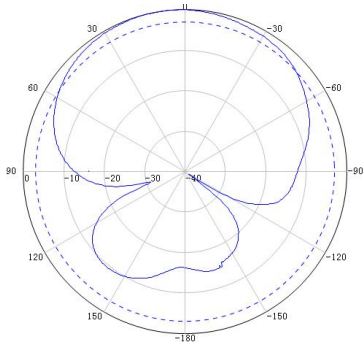
Dimensions, HxWxD	mm	400x180x62
Weight, without Mounting Kit	kg	1.5
Radome Material and Color		PVC, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		4.3-10 Female×2
Operational Temperature	oC	-55 to +60
Operational Humidity	%	< 95

Radiation Patterns

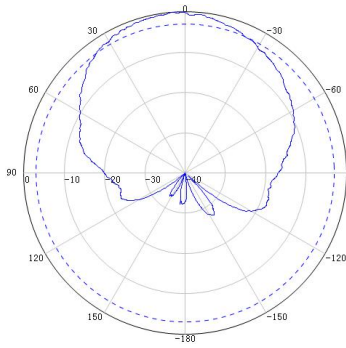
Horizontal pattern



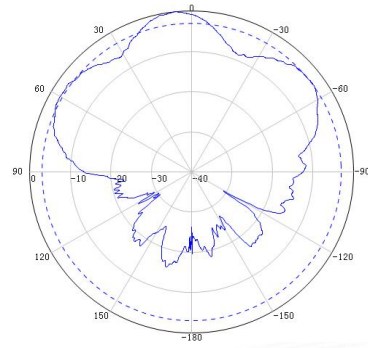
Vertical pattern



900MHz



1710MHz



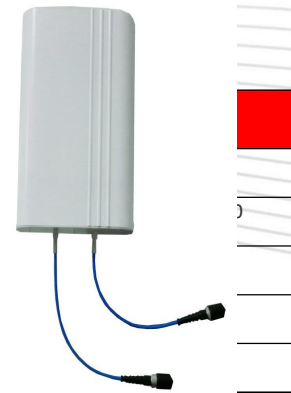
3500MHz

Features and Product Description

- Wideband Directional Antenna, Two ports of coverage 698MHz - 4000MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-140dBc @ 2x2 W.

2.13 AR698-4000V04i360C-4310

Indoor/Outdoor Wide band Omni Antenna, coverage 698MHz - 4000MHz



Electrical Specifications

Item No.		AR698-4000V04i360C-4310			
Frequency Range		MHz	698-806	806-960	171
Gain		dBi	2.5±0.5	3±0.5	3.
Polarization			Vertical		
Beam width	Horizontal	deg	360		
	Vertical (Typical)		83	65	
VSWR			≤1.8		
PIM, 3rd Order, 2 x 2 W,		dBc	-140		
Input Power, maximum		watt	50		
Impedance		ohm	50		

Mechanical Specifications

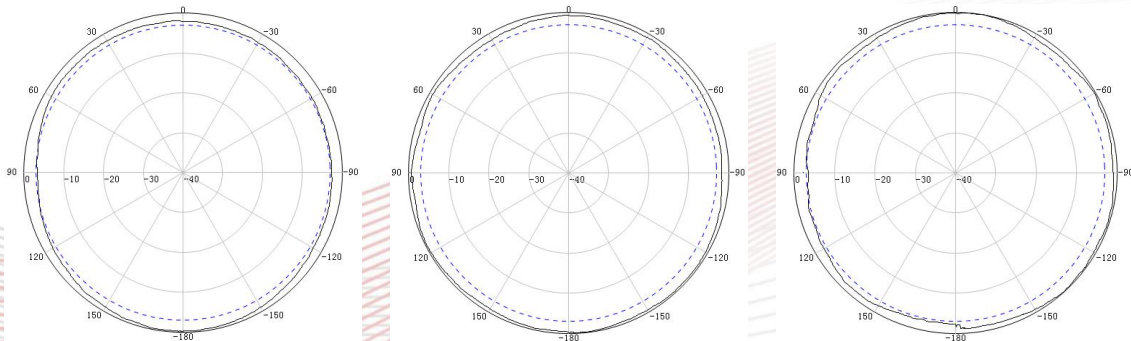
Connector Type		4.3-10 Female
Dimensions	mm	211x67x67
Weight	kg	0.3



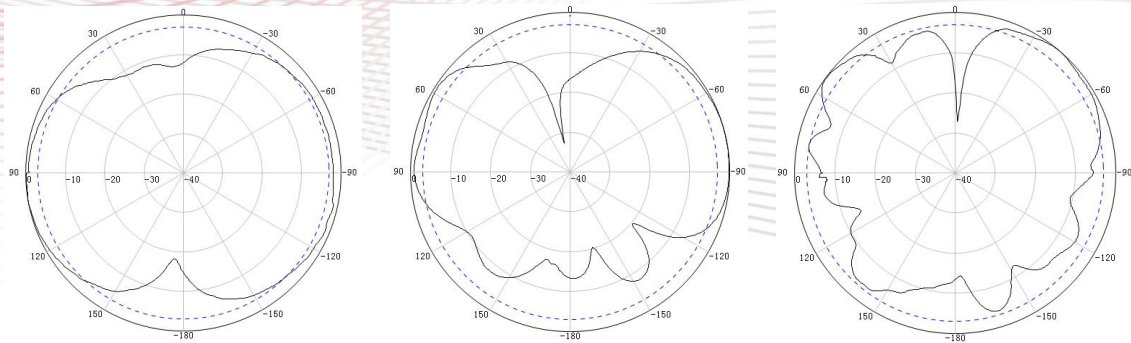
Mounting Kit		On-wall/ Pole mounting
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz-4000MHz.
- Typically, both used in indoor & outdoor distribution of LTE services.
- Low return loss, High gain, Good radiation pattern.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp. Both mounting on wall and pole.
- ABS antenna cover, waterproof, UV-resistance.
- PIM<-140dBc @ 2x2 W.



2.14 AI380-2700H04i360B-4310

Indoor Wide band Omni Antenna, coverage 380MHz - 2700MHz



Electrical Specifications

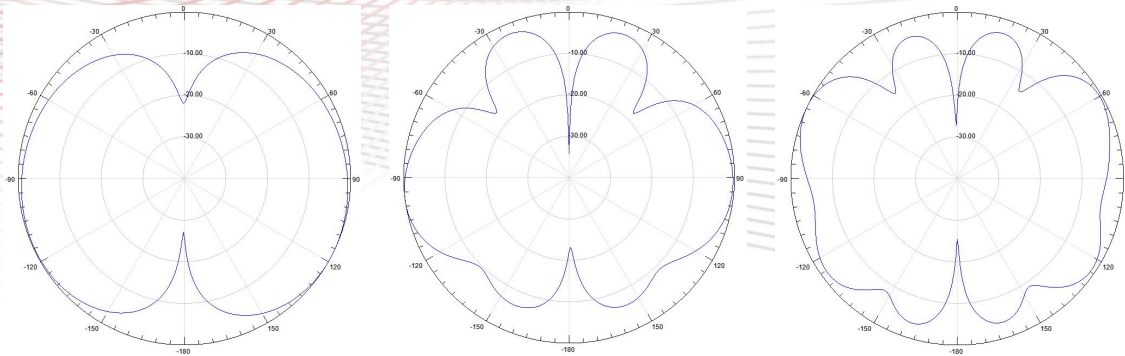
Item No.	AI380-2700H04i360B-4310			
Frequency Range	MHz	380-520	698-960	1710-2700
Gain	dBi	2.0±1.0	2.2±1.0	4.5±1.0
Polarization		Horizontal		
VSWR		≤2.5	≤2.0	≤2.0
PIM, 3rd Order, 2 x 2 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		
Impedance	ohm	50		

Mechanical Specification

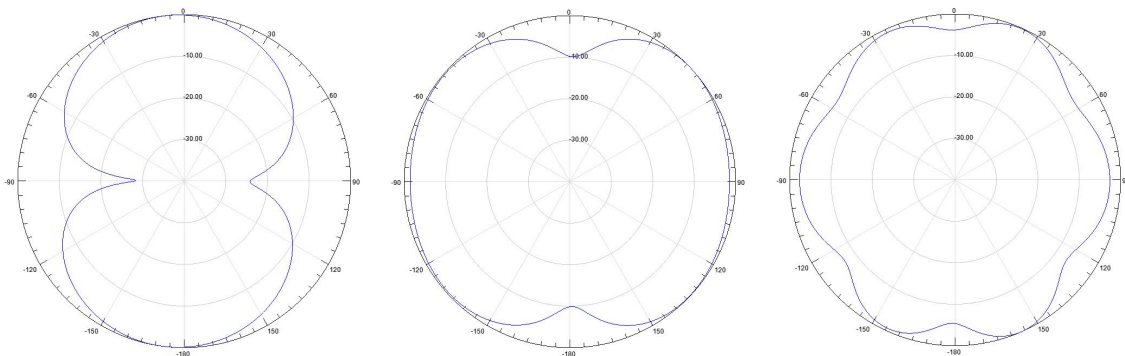
Connector Type		4.3-10 female		
Size	mm	Φ266×18		
Antenna Weight	kg	0.4		
Mounting Kit		Ceiling, via hole (standard)		
Radome Material and Color		ABS, White, RAL9003		
Operational Temperature	oC	-55 ~ 60		
Operational Humidity	%	< 95		
Ingression protection		IP67		

Radiation Pattern

Horizontal pattern



Vertical pattern



800MHz

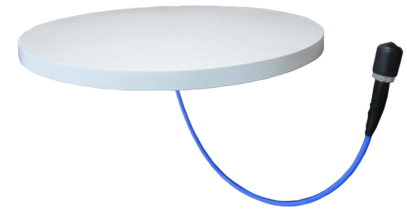
1710MHz

2500MHz



Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE 5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.



2.15 AI380-2700V08i70B-4310

Indoor Wide band Panel Antenna, coverage 380MHz - 2700MHz

Electrical Specifications

Item No.	AI380-2700V08i70B-4310				
Frequency Range	MHz	380-530	698-960	1710-2700	
Gain	dBi	4±1.0	5±1.0	7±1.0	
Polarization		Vertical			
Beam width	Horizontal (Typical)	deg	150	90	75
	Vertical (Typical)		50	65	65
VSWR		≤2.5	≤2.0	≤2.0	
PIM, 3rd Order, 2 x 2W,	dBc	/	≤-140	≤-140	
Input Power, maximum	watt	50			
Impedance	ohm	50			

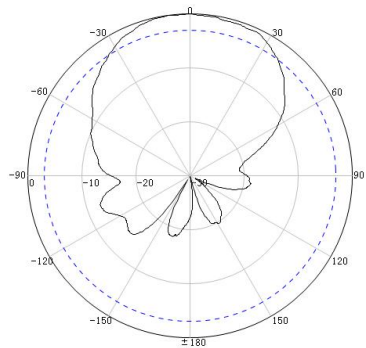
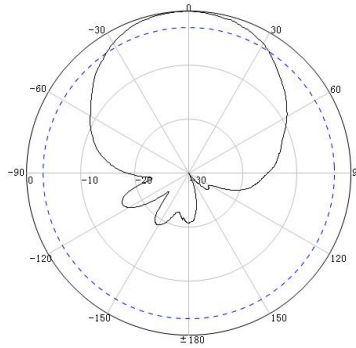
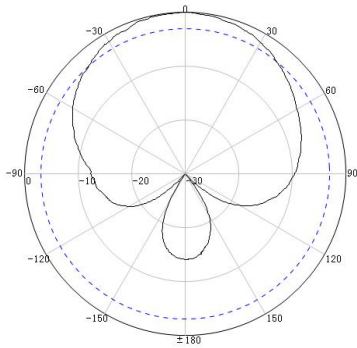
Mechanical Specifications

Connector Type		4.3-10 female
Size	mm	308x190x65
Weight, without Mounting Kit	kg	0.6
Mounting Kit		Wall mount
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

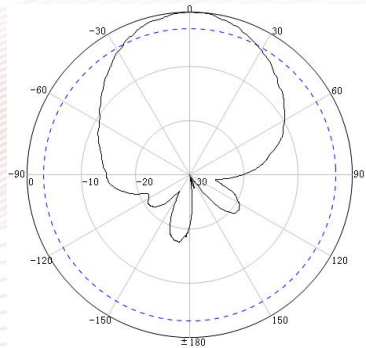
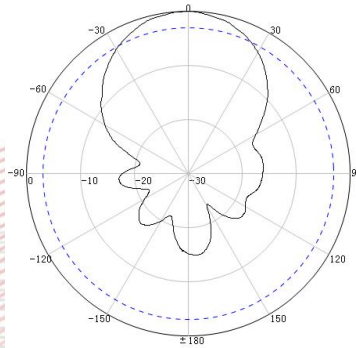
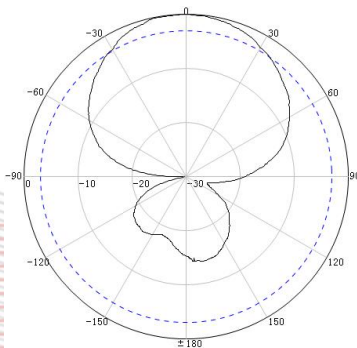
Radiation Patterns



Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- New generation wideband Directional Antenna, coverage 380MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female compliant.



2.16 AI380-6000V05i360B-4310

Indoor Wide band Omni Antenna, coverage 380MHz - 6000MHz

Electrical Specifications

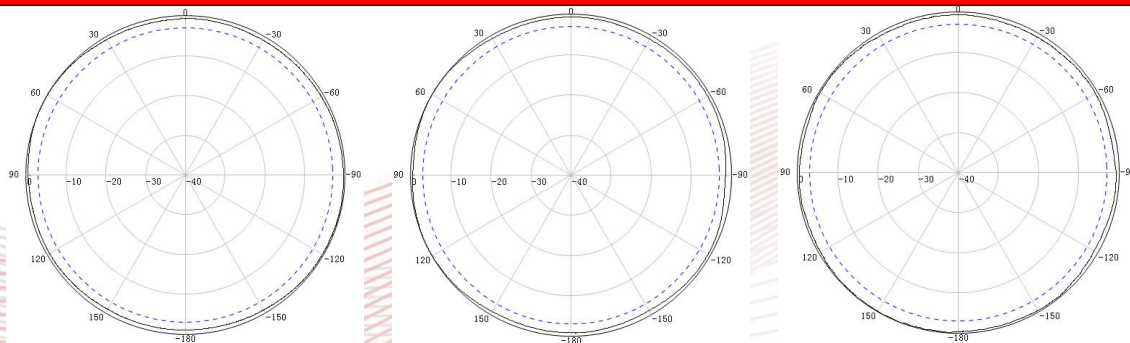
Item No.	AI380-6000V05i360B-4310			
Frequency Range	MHz	380-520	698-960	1710-6000
Gain	dBi	2.0±1.0	2.5±1.0	4.0±1.0
Polarization		Vertical		
Beam width	Horizontal	deg		
	Vertical	90	90	35
VSWR		≤3.0	≤2.0	≤2.0
PIM, 3rd Order, 2 x 2 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		



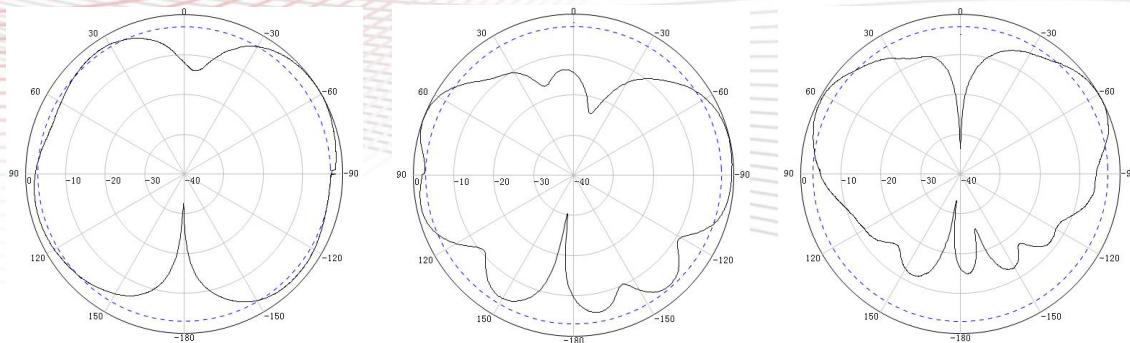
Impedance	ohm	50
Mechanical Specification		
Connector Type		4.3-10 female
Size	mm	Φ298×152
Antenna Weight	kg	0.9
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.



2.17 AI698-6000V05i360B-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 6000MHz



Electrical Specifications

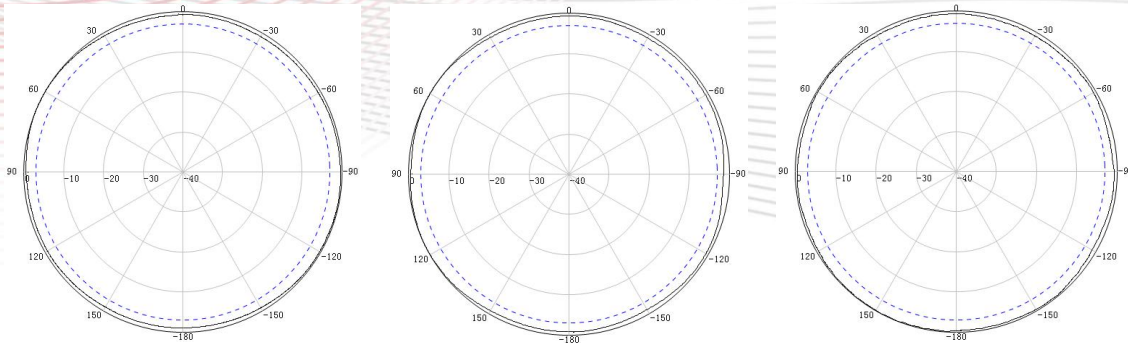
Item No.	AI698-6000V05i360B-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-6000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization		Vertical			
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 2 W,	dBc	≤-140			
Input Power, maximum	watts	50			
Impedance	ohm	50			

Mechanical Specification

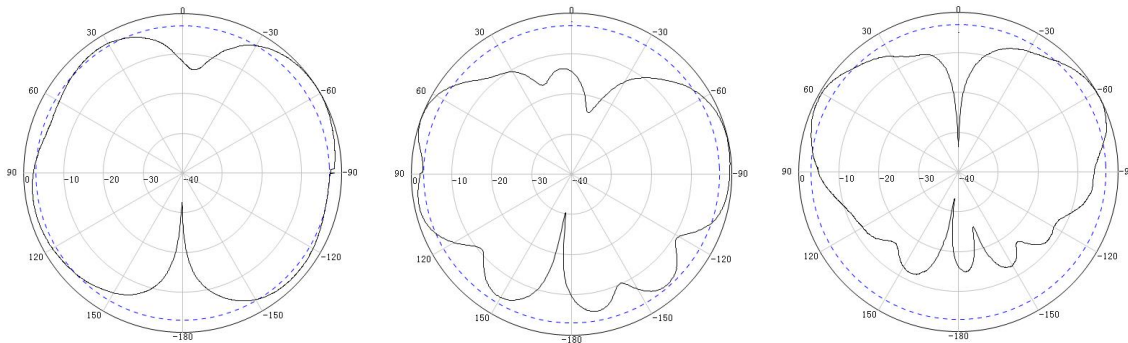
Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x2 W.
- 4.3-10 female.

3. 20W Antenna, N Female

3.1 AI698-2700H06i360A

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

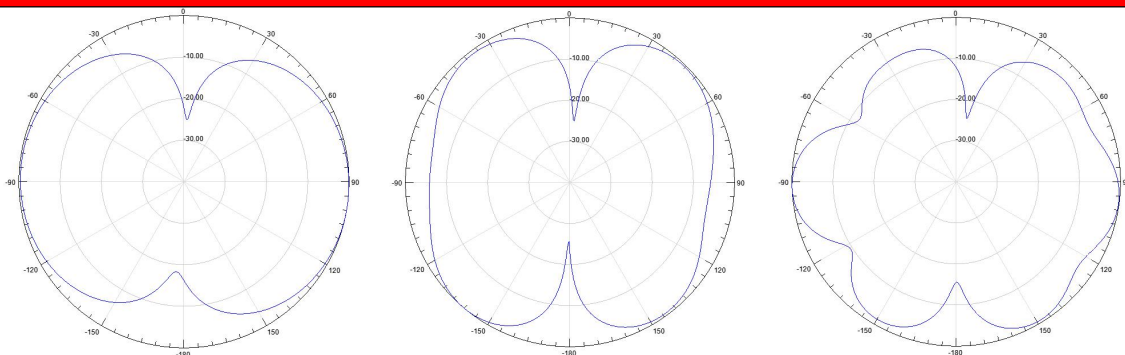
Item No.	AI698-2700H06i360A			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0
Polarization		Horizontal		
VSWR		≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-150		
Input Power, maximum	watts	50		
Impedance	ohm	50		

Mechanical Specification

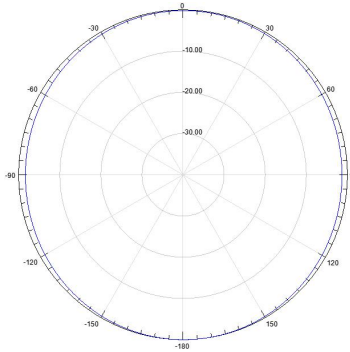
Connector Type		N-female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

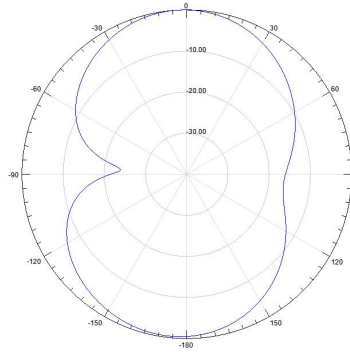
Horizontal pattern



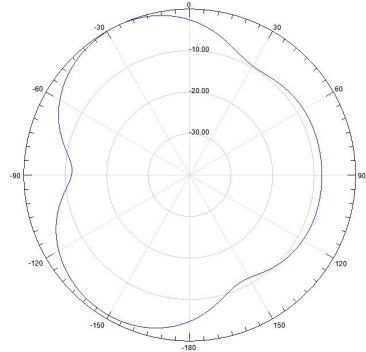
Vertical pattern



900MHz



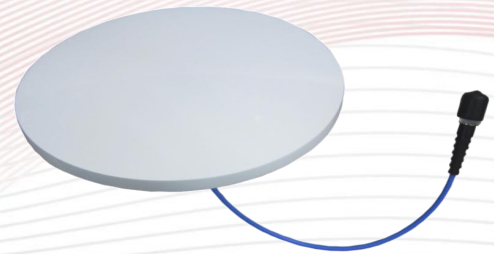
1710MHz



2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-150dBc @ 2x20 W.
- N-female



3.2 AI698-2700V05i360A

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AI698-2700V05i360A			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0
Polarization		Vertical		
Beam width	Horizontal	360		
	Vertical	90	70	35
VSWR		≤1.8	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153		
Input Power, maximum	watts	50		
Impedance	ohm	50		

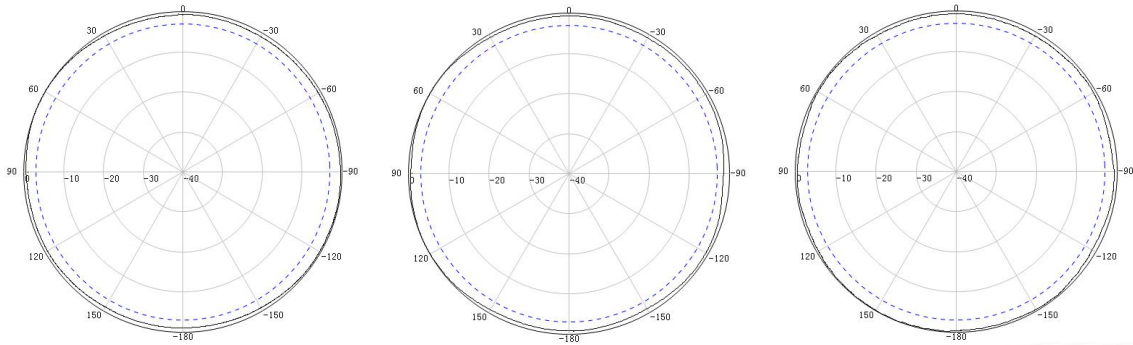
Mechanical Specification

Connector Type		N-female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

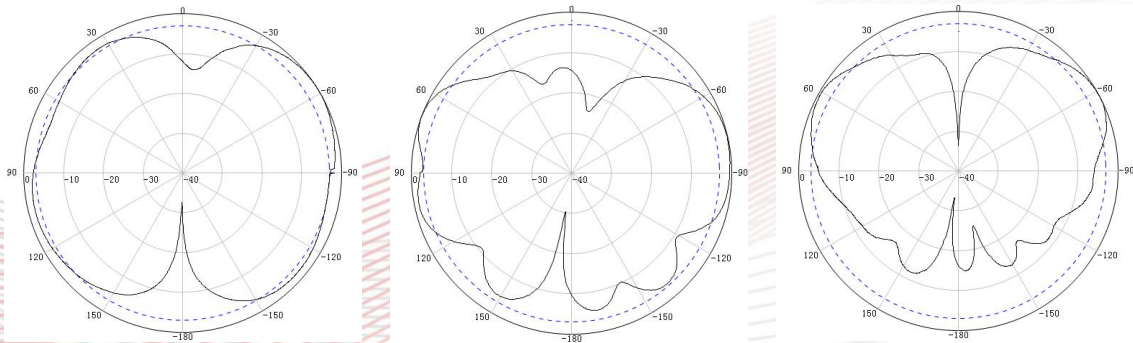
Radiation Pattern



Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- N-female.

3.3 AI698-2700V09i70E

Indoor Wide band Panel Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AI698-2700V09i70E				
Frequency Range	MHz	698-806	806-960	1710-2170	2170-2700
Gain	dBi	5.5±1	6±1	7±1	7.5±1
Polarization		Vertical			



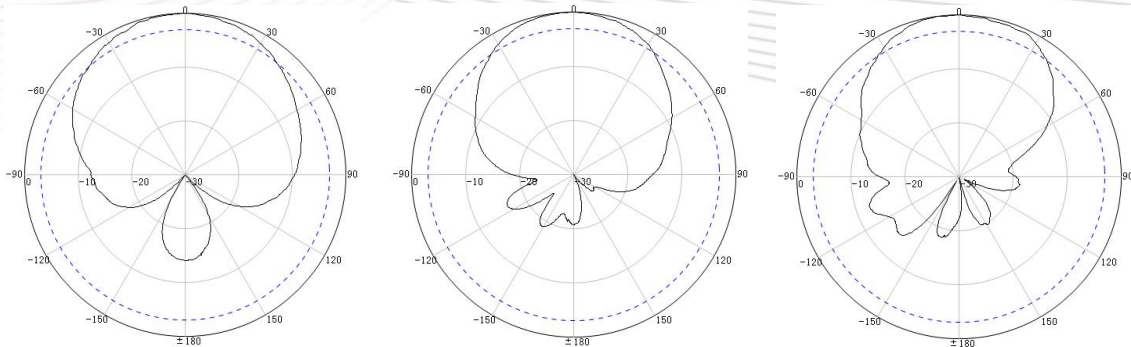
Beam width	Horizontal	deg	85±20	85±20	62±15	60±20
	Vertical (Typical)		75	73	60	50
Front-To-Back Ratio		dB	> 8	> 8	> 12	> 12
VSWR			≤1.8	≤1.8	≤1.8	≤1.8
PIM, 3rd Order, 2 x 20W,		dBc	-150			
Input Power, maximum		watt	50			
Impedance		ohm	50			

Mechanical Specifications

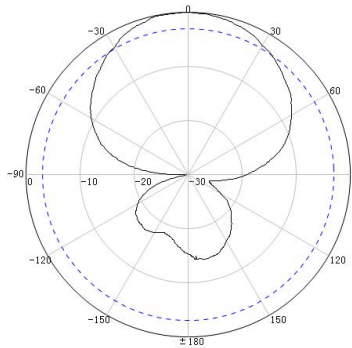
Connector Type		N-female
Size	mm	165x155x50
Weight, without Mounting Kit	kg	0.37
Mounting Kit		On-wall
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns

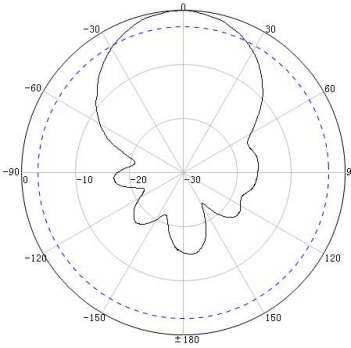
Horizontal pattern



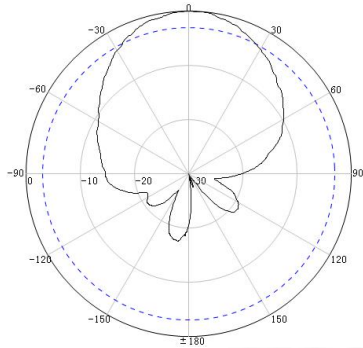
Vertical pattern



900MHz



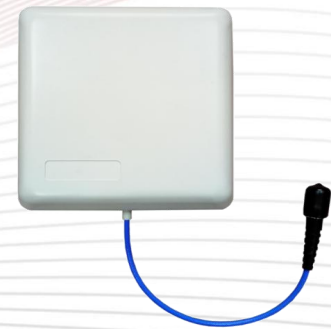
1710MHz



2500MHz

Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-150dBc @ 2x20 W.
- N-female compliant.



3.4 AI698-2700VH03i360A

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz, MIMO

Electrical Specifications

Item No.		AI698-2700VH03i360A			
Frequency Range		MHz	698-806	806-960	1710-2700
Gain		dBi	3.0±0.5	3.5±0.5	4.5±1.0
Polarization			Linear×2		
Beam width (Typical)	Horizontal	deg	OMNI		
	Vertical		90	85	45
VSWR			≤2.0	≤2.0	≤2.0
Isolation		dB	>17	>17	>20
PIM, 3rd Order, 2 x 20 W		dBc	≤-150		
Maximum Power		watts	50		
Impedance		ohm	50		

Mechanical Specifications

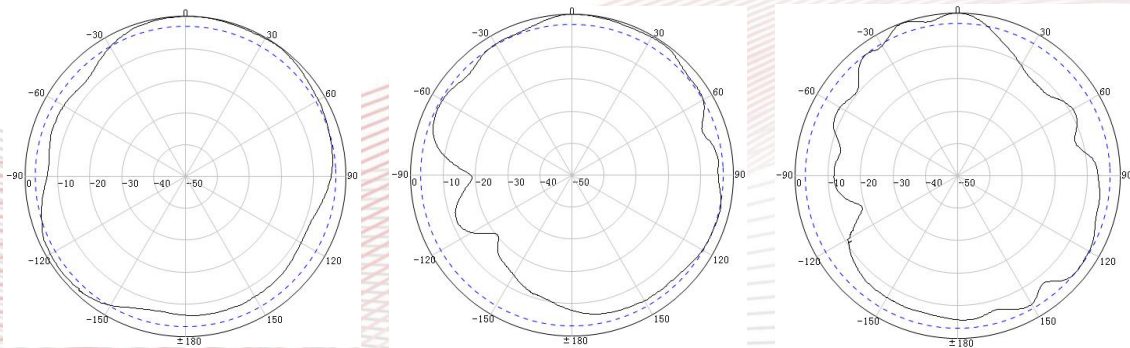
Connector Type		N-Female×2
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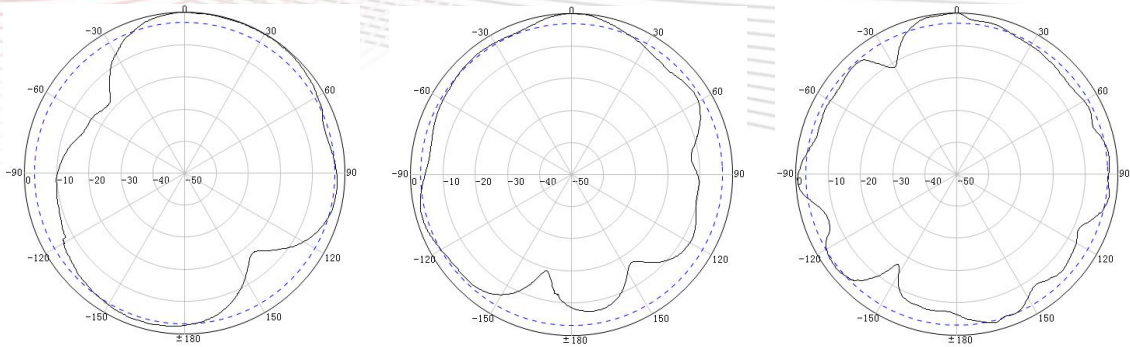
Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.



3.5 AI698-2700X07I70A

Electrical Specifications

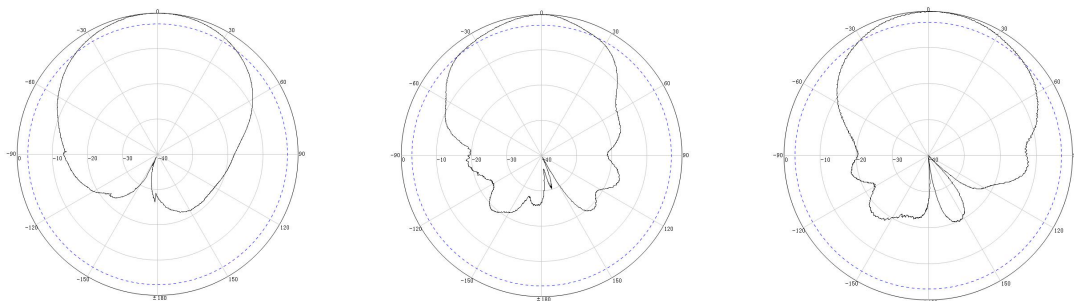
Item No.	AI698-2700X07I70A						
Frequency Range	MHz	698-806	806-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain	dBi	6.4	7.5	8.1	8.1	8.1	7.1
Polarization		±45°					
Beam width	Horizontal	61-82		63-87			
	Vertical	55-80		55-85			
Front-To-Back Ratio	dB	≥10		≥15			
VSWR		≤2.0		≤1.5			
Isolation	dB	>20		>23			
PIM, 3rd Order, 2 x 20 W,	dBc	≤-150					
Input Power per Port, maximum	watts	50					

Mechanical Specifications

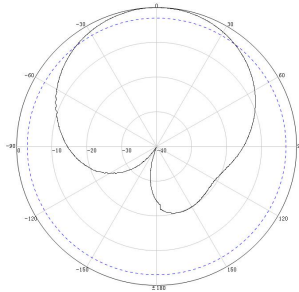
Dimensions, HxWxD	mm	308x190x65					
Weight, without Mounting Kit	kg	0.9					
Radome Material and Color		ABS, White, RAL9003					
Mounting Kit		On-wall					
Connector Type and Location		N-Femalex2					
Operational Temperature	oC	-55 to +60					
Operational Humidity	%	< 95					

Radiation Patterns

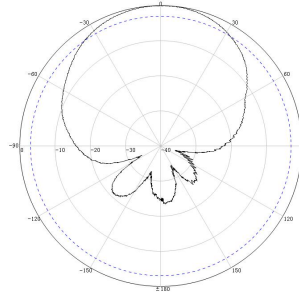
Horizontal pattern



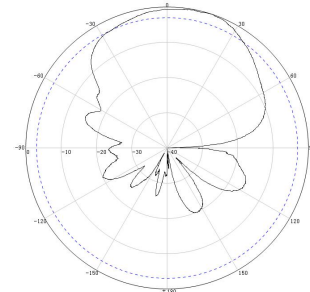
Vertical pattern



900MHz



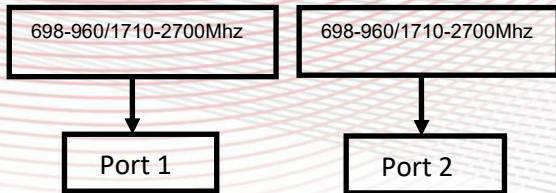
1710MHz



2500MHz

Features and Product Description

- Wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.
- Dual Polarization $\pm 45^\circ$ for Whole Band 700-2700MHz.
- N-female.



3.6 AR698-2700V11i60D

Indoor/Outdoor Wide band Log periodic Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AR698-2700V11i60D		
Frequency Range	MHz	698-960	1710-2700
Gain	dBi	9.5±0.5	10.5±0.5
Polarization	Vertical		
Beam width	Horizontal	deg	65±15
	Vertical		58±10
VSWR		≤1.8	≤1.5
PIM, 3rd Order, 2 x 20W,	dBc	-150	
Maximum input power	W	50	
Lightning protection	DC Ground		
Impedance	Ω	50	

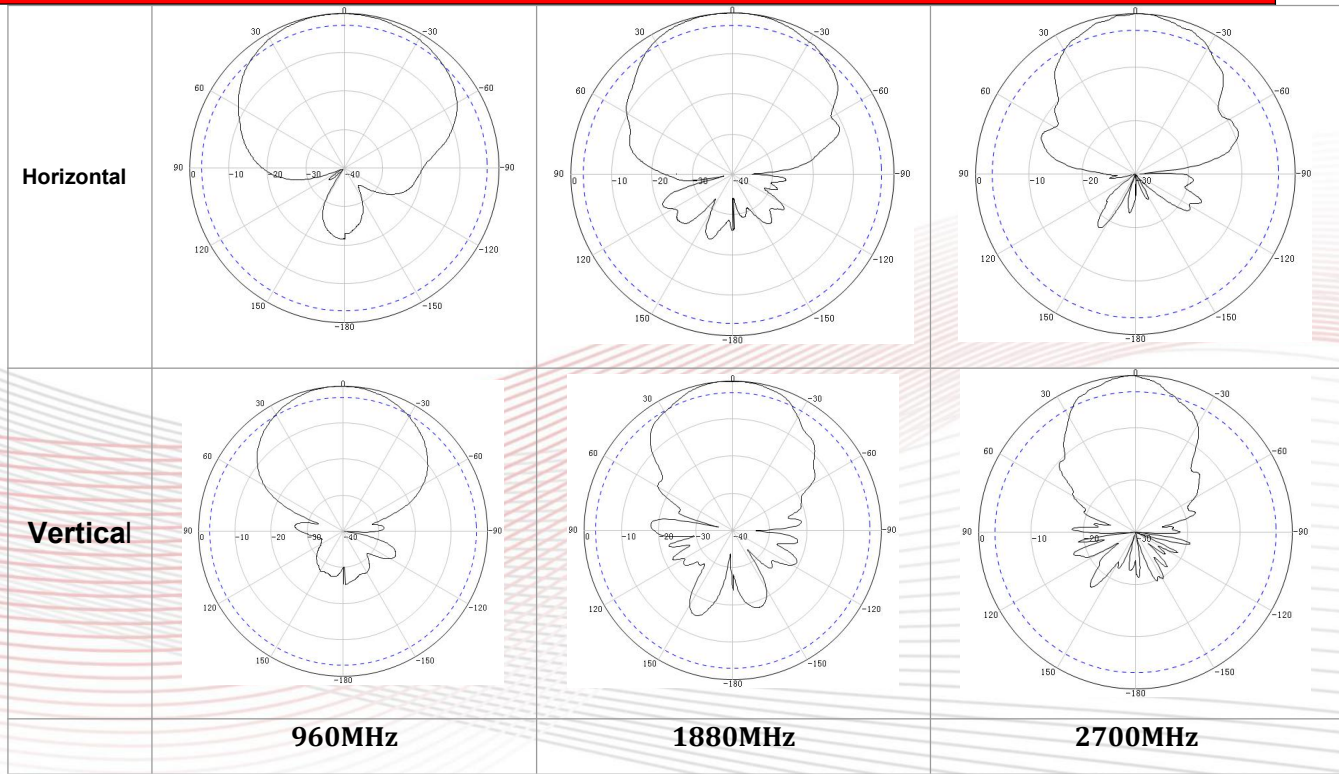
Mechanical Specification

Connector Type	N-female		
Connector position	Bottom		
Size	(mm)	440×210×65	
Antenna Weight	kg	0.65	



Rated wind velocity	m/s	36.9
Operational Temperature	oC	-40 ~ 55
Radome material		ABS, White, RAL9003
Mounting hardware	(mm)	φ35 ~ φ50

Radiation Pattern



Features and Product Description

- Wide band Wide band Log periodic Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain with 11dBi, Stable performance.
- Supplied with mounting bracket and easy to install.
- N-female compliant.



3.7 AI698-4000H06i360A

Indoor Wide band Omni Antenna, thin type, coverage 698MHz - 4000MHz

Electrical Specifications

Item No.	AI698-4000H06i360A				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Horizontal			
VSWR		≤1.5	≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			

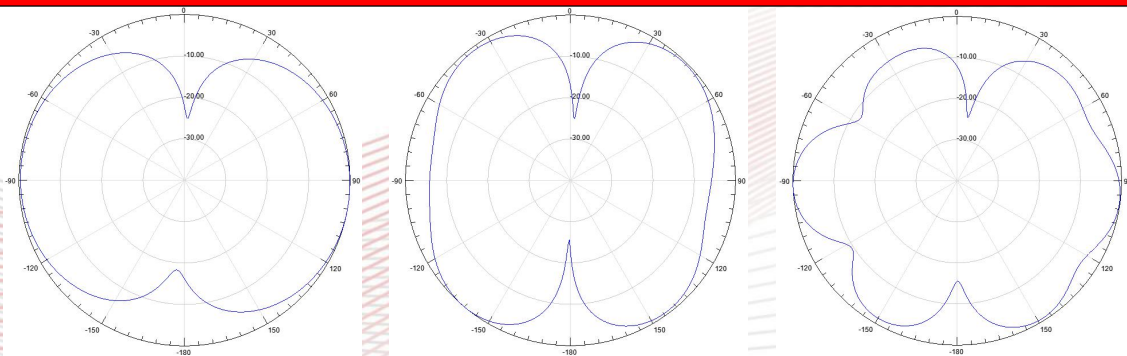


Impedance	ohm	50
Mechanical Specification		
Connector Type		N-female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

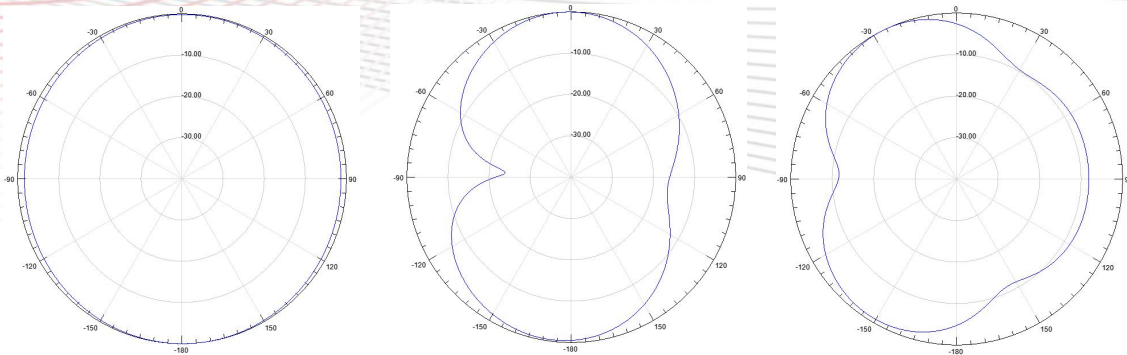
*This product is not suitable for installation on metal ceiling

Radiation Pattern

Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz

Features and Product Description

- Wideband Omni Antenna , coverage 698MHz - 4000MHz .
- Typically both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss,Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- N-female



3.8 Absorbance @ 1360A

Indoor Wide band Omni Antenna , coverage 698MHz - 4000MHz [PRELIMINARY]



Electrical Specifications

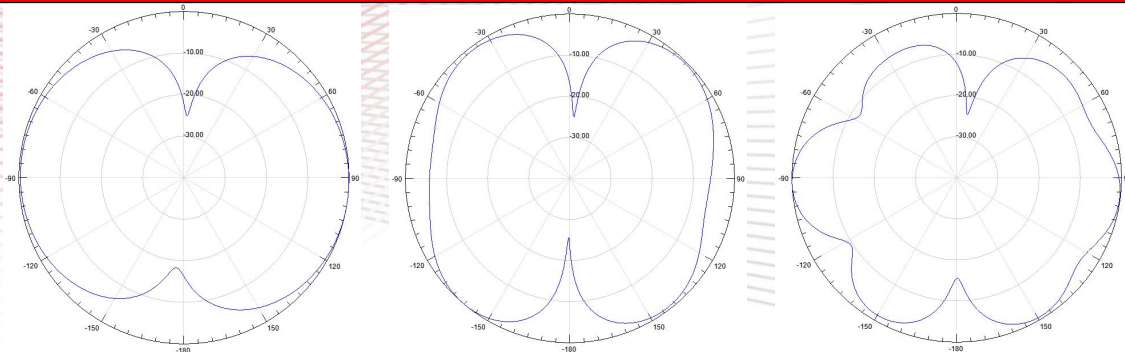
Item No.	AI698-4000HH06i360A					
Frequency Range	MHz	698-806	806-960	1350-1550	1710-2700	3300-4000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Linear Horizontal				
VSWR		≤1.8	≤1.8	≤2.0	≤1.8	≤1.8
Isolation	dB	≥17	≥17	≥15	≥20	≥25
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153				
Input Power, maximum	watts	50				
Impedance	ohm	50				

Mechanical Specification

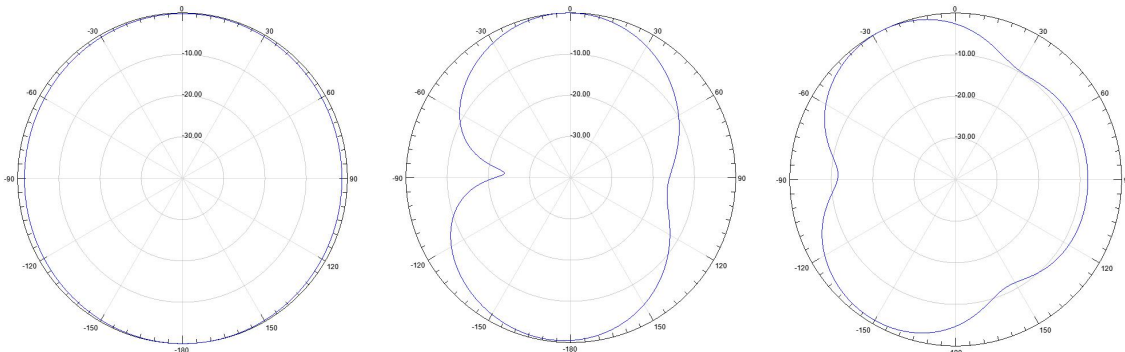
Connector Type		N-female×2				
Size	mm	Φ266×18				
Antenna Weight	kg	0.5				
Mounting Kit		Ceiling, via hole (standard)				
Radome Material & Color		ABS, White, RAL9003				
Operational Temperature	oC	-55 ~ 60				
Operational Humidity	%	< 95				

Radiation Pattern

Horizontal pattern



Vertical pattern

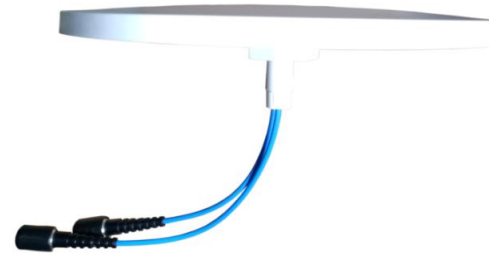
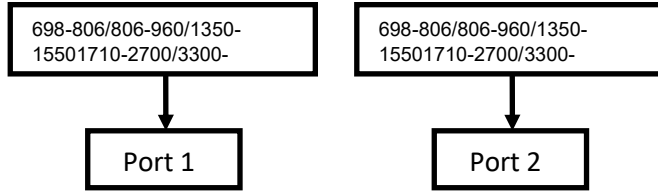


900MHz

1710MHz

2500MHz



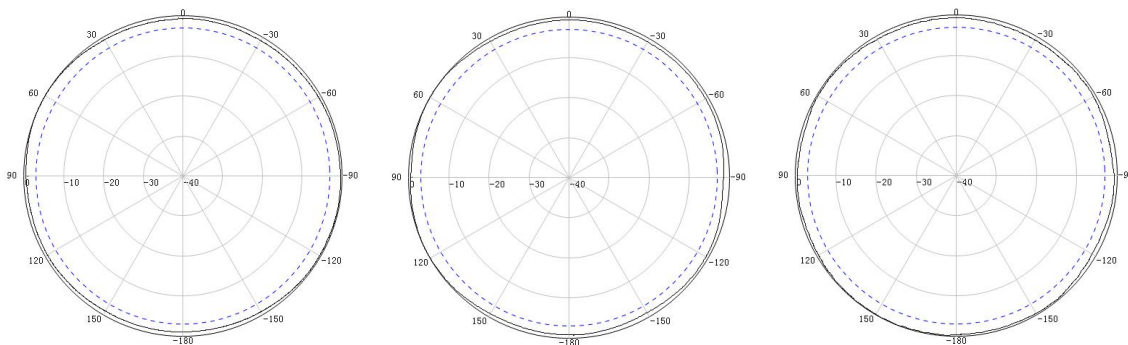


3.9 AI698-4000V05i360A

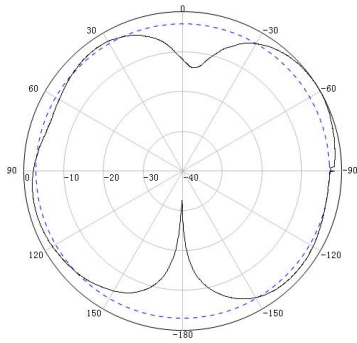
Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications					
Item No.	AI698-4000V05i360A				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			
Impedance	ohm	50			
Mechanical Specification					
Connector Type		N-female			
Dimensions	mm	Φ203×115			
Weight	kg	0.37			
Mounting Kit		Ceiling, via hole (standard)			
Radome Material and Color		ABS, White, RAL9003			
Operational Temperature	oC	-40 ~ 55			
Operational Humidity	%	< 95			
Radiation Pattern					

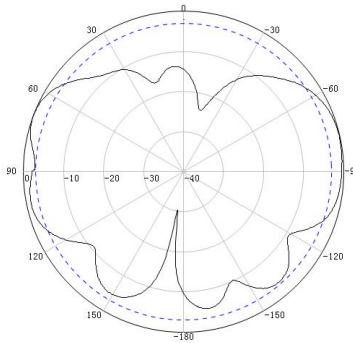
Horizontal pattern



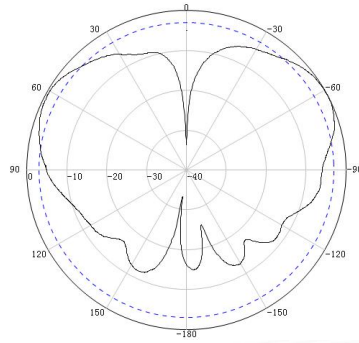
Vertical pattern



900MHz



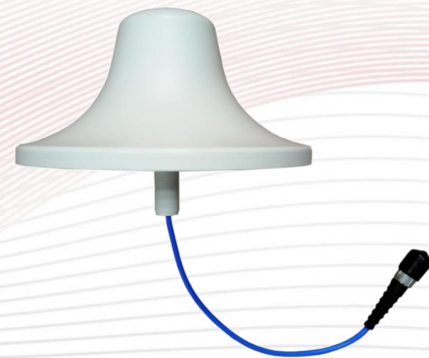
1710MHz



2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- N-female.



3.10 AI698-4000VH03i360A

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz, MIMO

Electrical Specifications

Item No.	AI698-4000VH03i360A				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	3.0±0.5	3.5±0.5	4.5±1.0	5.0±1.0
Polarization		Linear×2			
Beam width (Typical)	Horizontal	OMNI			
	Vertical	deg	90	85	45
VSWR		≤2.0	≤2.0	≤2.0	≤2.0
Isolation	dB	>17	>17	>20	>25
PIM, 3rd Order, 2 x 20 W	dBc	≤-150			
Maximum Power	watts	50			
Impedance	ohm	50			

Mechanical Specifications

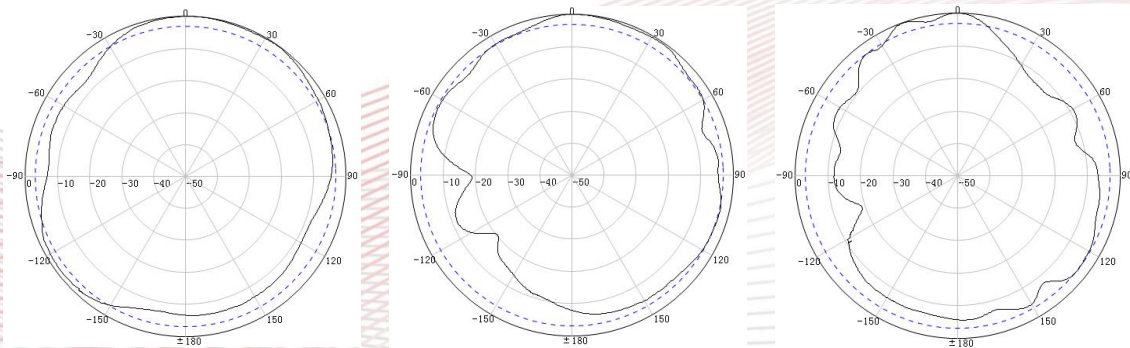
Connector Type	N-Female×2				
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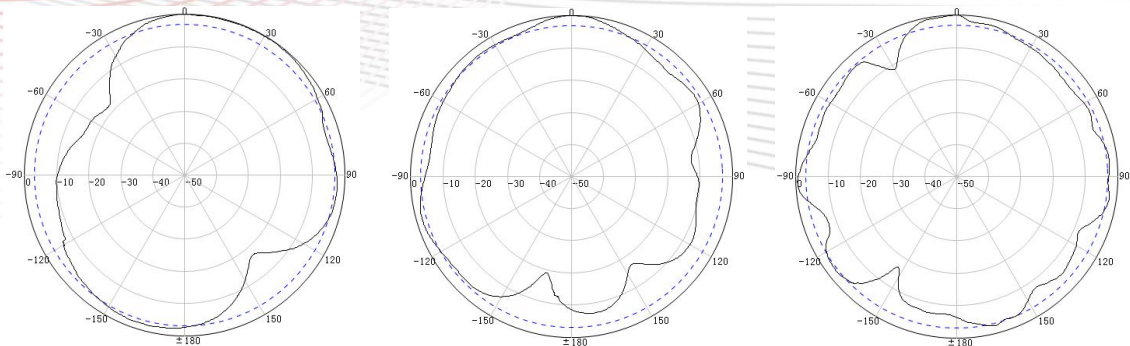
Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns

Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.

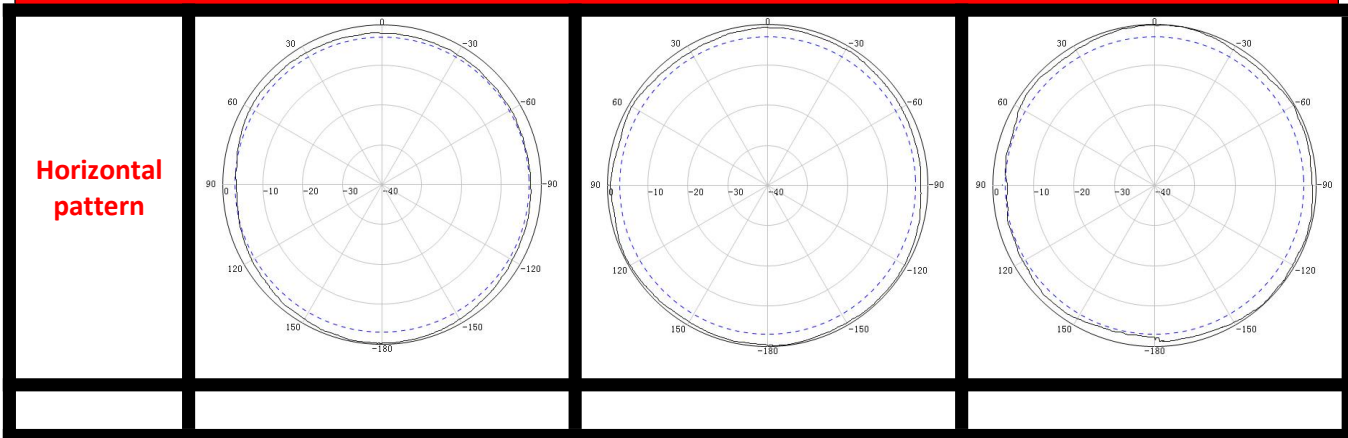


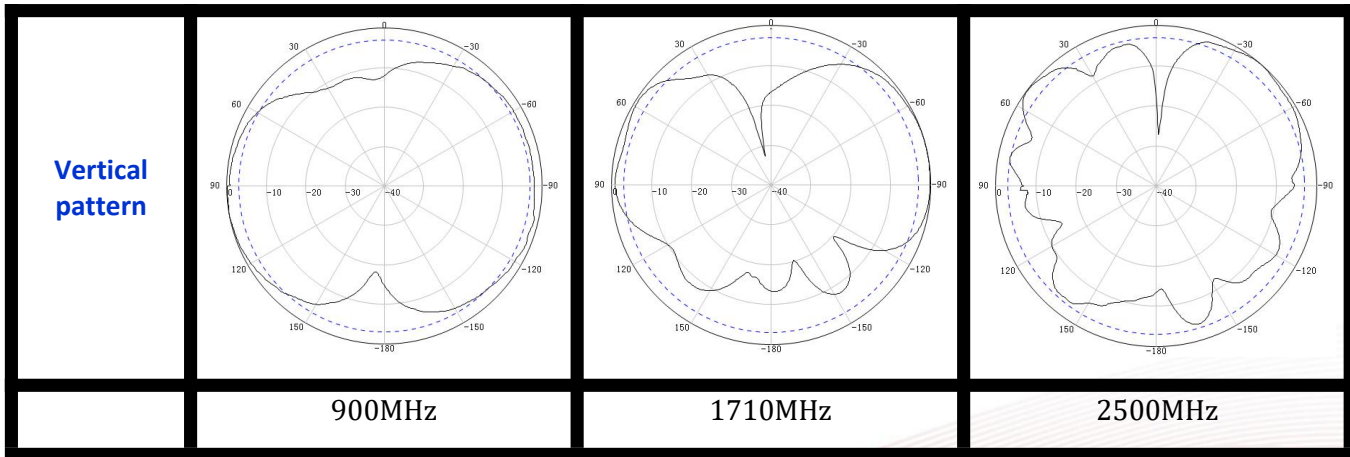
3.11 AR698-4000V04i360B

Indoor/Outdoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications					
Item No.	AR698-4000V04i360B				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.5±0.5	3±0.5	3.5±0.5	4±0.5
Polarization		Vertical			
Beam width	Horizontal	360			
	Vertical (Typical)	83	65	45	35
VSWR		≤1.8			
PIM, 3rd Order, 2 x 20 W,	dBc	-153			
Input Power, maximum	watt	50			
Impedance	ohm	50			
Mechanical Specifications					
Connector Type		N-Female			
Dimensions	mm	211x67x67			
Weight	kg	0.3			
Mounting Kit		On-wall/ Pole mounting			
Radome Material and Color		ABS, White, RAL9003			
Operational Temperature	oC	-55 ~ 60			
Operational Humidity	%	< 95			

Radiation Patterns





Features and Product Description

- Wideband Omni Antenna, coverage 698MHz-4000MHz.
- Typically, both used in indoor & outdoor distribution of LTE services.
- Low return loss, High gain, Good radiation pattern.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp. Both mounting on wall and pole.
- ABS antenna cover, waterproof, UV-resistance.
- PIM<-153dBc @ 2x20 W.



3.12 AI698-4000V08i75B

Indoor Wide band Panel Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

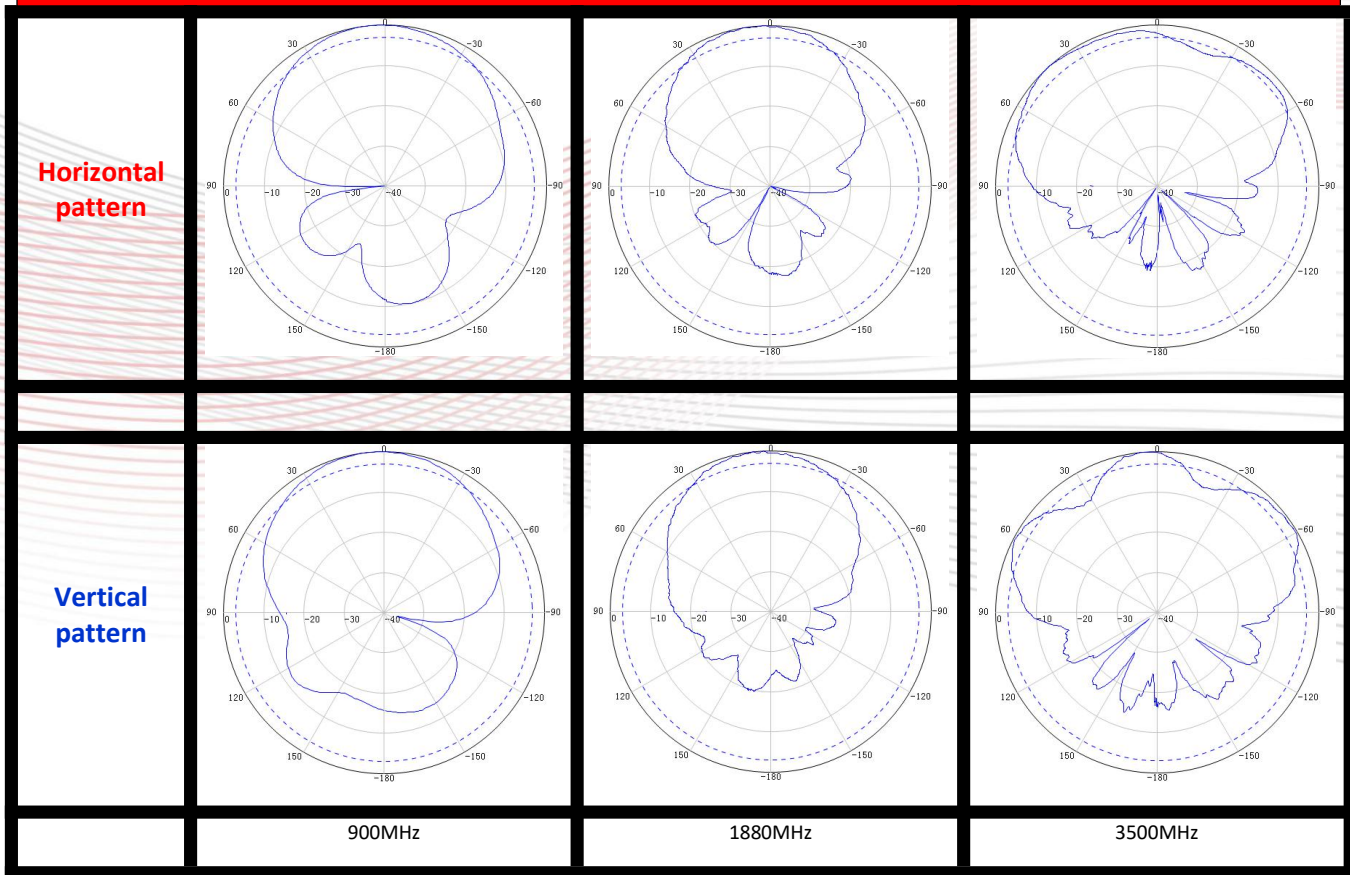
Item No.		AI698-4000V08i75B					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization			Vertical				
Beam width	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
Front-To-Back Ratio		dB	> 5	> 8	> 10	> 15	> 10
VSWR			≤1.8				
PIM, 3rd Order, 2 x 20 W,		dBc	-153				
Input Power, maximum		watt	50				
Impedance		ohm	50				

Mechanical Specifications



Dimensions, HxWxD	mm	180x170x60
Weight, without Mounting Kit	kg	0.4
Radome Material and Color		ABS, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		N-Female
Operational Temperature	oC	-55 to +60

Radiation Patterns



Features and Product Description

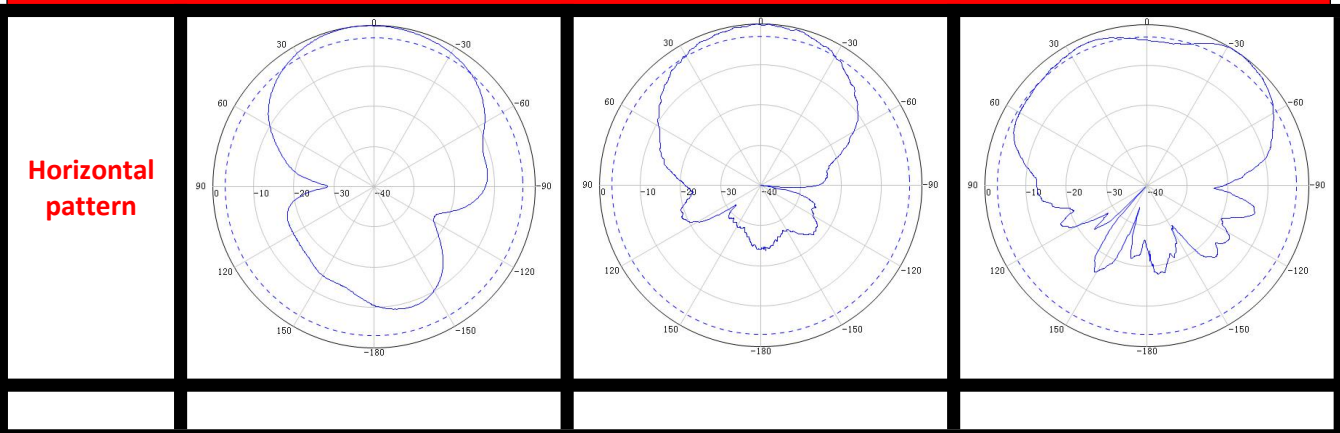
- New generation wideband Directional Antenna, coverage 698MHz - 4000MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-153dBc @ 2x20 W.
- N-female compliant.

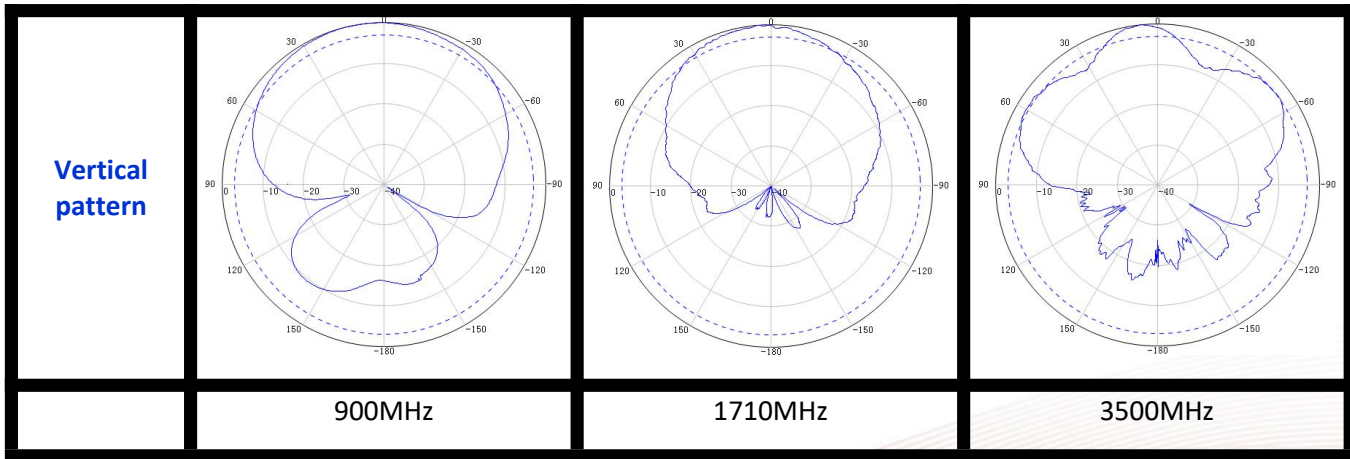


3.13 AI698-4000VH08i75A

Electrical Specifications							
Item No.		AI698-4000VH08i75A					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization		Vertical and Horizontal					
Beam width (Typical)	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
VSWR		≤2.0					
PIM, 3rd Order, 2 x 20 W,		dBc	-153				
Input Power per Port, maximum		watts	50				
Impedance		ohm	50				
Mechanical Specifications							
Dimensions, HxWxD		mm	400x180x62				
Weight, without Mounting Kit		kg	1.5				
Radome Material and Color		PVC, White, RAL9003					
Mounting Kit		On-wall					
Connector Type and Location		N-Femalex2					
Operational Temperature		oC	-55 to +60				
Operational Humidity		%	< 95				

Radiation Patterns





Features and Product Description

- Wideband Directional Antenna, Two ports of coverage 698MHz - 4000MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-153dBc @ 2x20 W.



3.14 AI380-2700H04i360A

Indoor Wide band Omni Antenna, coverage 380MHz - 2700MHz

Electrical Specifications

Item No.	AI380-2700H04i360A			
Frequency Range	MHz	380-520	698-960	1710-2700
Gain	dBi	2.0±1.0	2.2±1.0	4.5±1.0
Polarization		Horizontal		
VSWR		≤2.5	≤2.0	≤2.0
PIM, 3rd Order, 2 x 20 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		
Impedance	ohm	50		

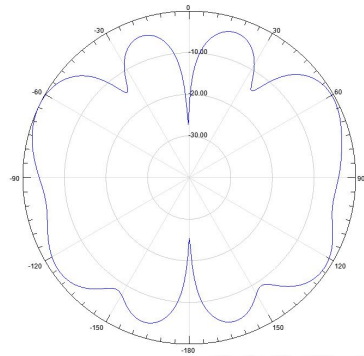
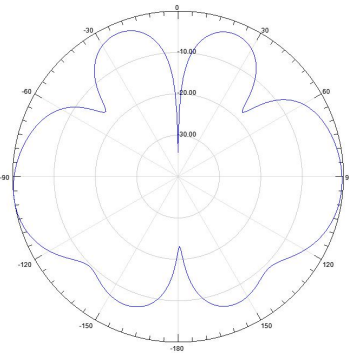
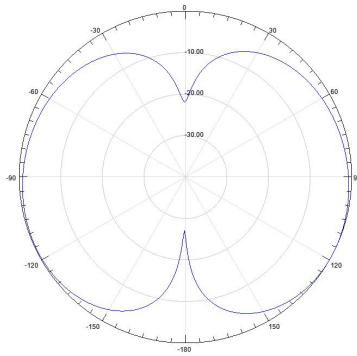
Mechanical Specification

Connector Type		N-female
Size	mm	Φ266×18
Antenna Weight	kg	0.4
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95
Ingression protection		IP67

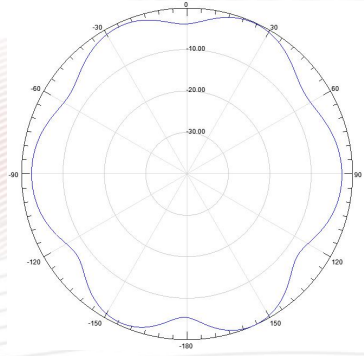
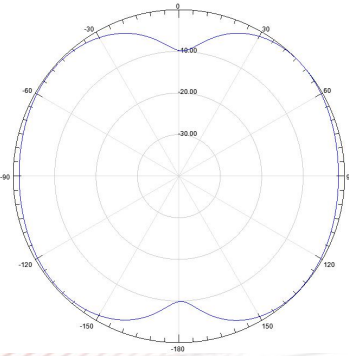
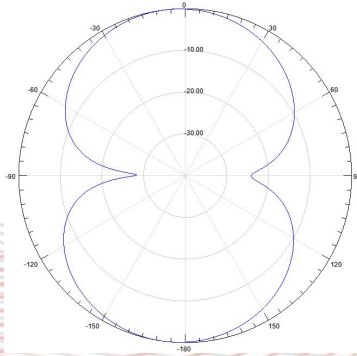
Radiation Pattern



Horizontal pattern



Vertical pattern



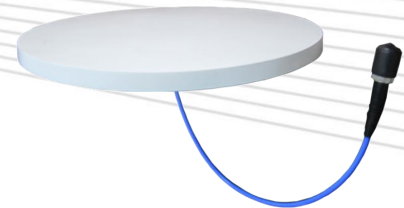
800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE 5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x20 W.



3.15 AI380-6000V05i360A

Indoor Wide band Omni Antenna, coverage 380MHz - 6000MHz

Electrical Specifications

Item No.	AI380-6000V05i360A			
Frequency Range	MHz	380-520	698-960	1710-6000
Gain	dBi	2.0±1.0	2.5±1.0	4.0±1.0
Polarization		Vertical		
Beam width	Horizontal	360		
	Vertical	90	90	35
VSWR		≤3.0	≤2.0	≤2.0
PIM, 3rd Order, 2 x 20 W,	dBc	/	≤-153	≤-153
Input Power, maximum	watts	50		
Impedance	ohm	50		

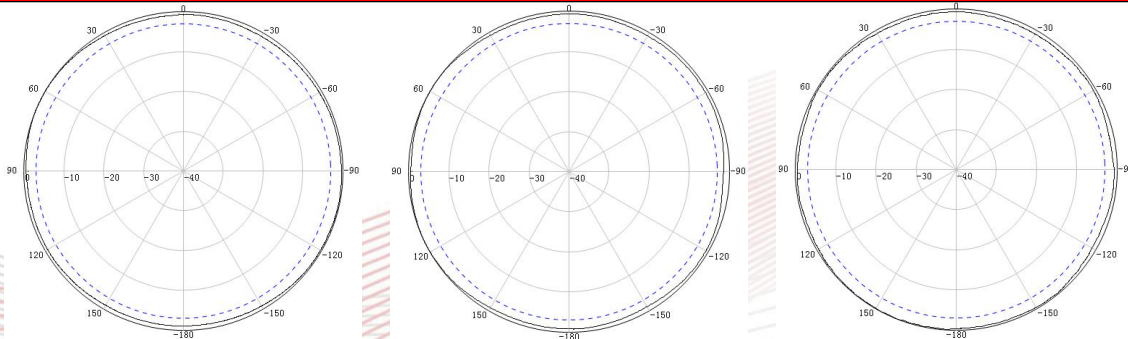


Mechanical Specification

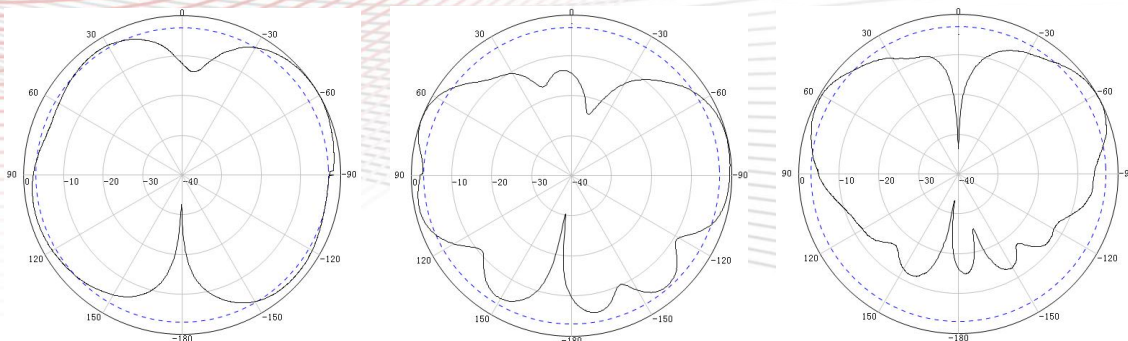
Connector Type		N-female
Size	mm	Φ298×152
Antenna Weight	kg	0.9
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.



3.16 AI698-6000V05i360A

Indoor Wide band Omni Antenna, coverage 698MHz - 6000MHz

Electrical Specifications

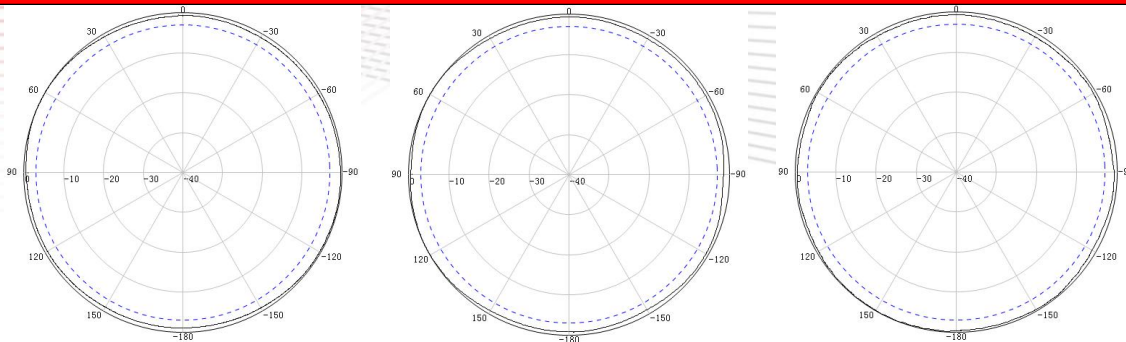
Item No.	AI698-6000V05i360A				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-6000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			
Impedance	ohm	50			

Mechanical Specification

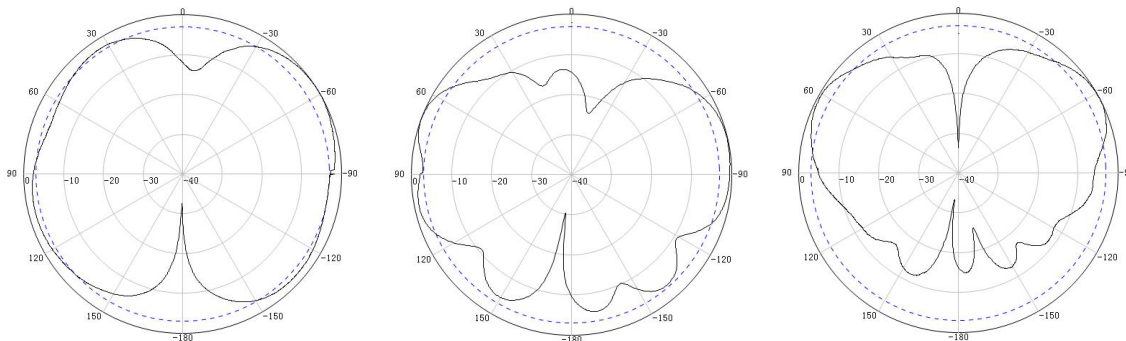
Connector Type	N-female				
Dimensions	mm	Φ203×115			
Weight	kg	0.5			
Mounting Kit	Ceiling, via hole (standard)				
Radome Material and Color	ABS, White, RAL9003				
Operational Temperature	oC	-40 ~ 55			
Operational Humidity	%	< 95			

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- N-female.



4. 20W Antenna, 4.3-10 Female

4.1 AI698-2700H06i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

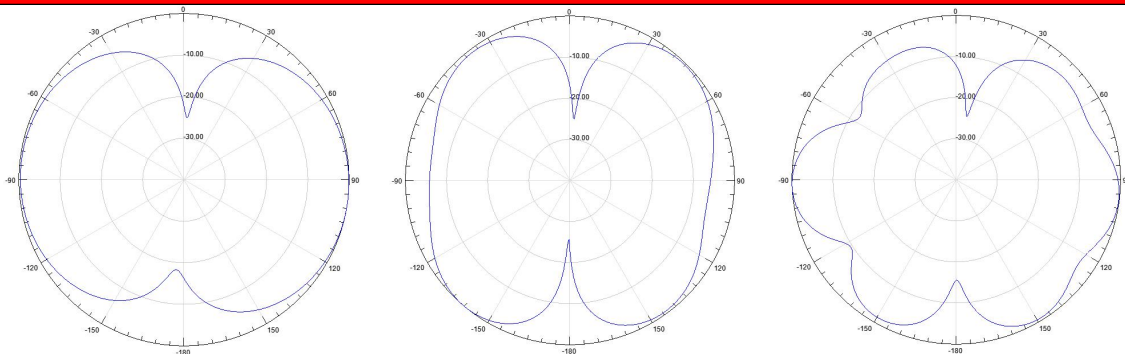
Item No.	AI698-2700H06i360A-4310			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0
Polarization		Horizontal		
VSWR		≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-150		
Input Power, maximum	watts	50		
Impedance	ohm	50		

Mechanical Specification

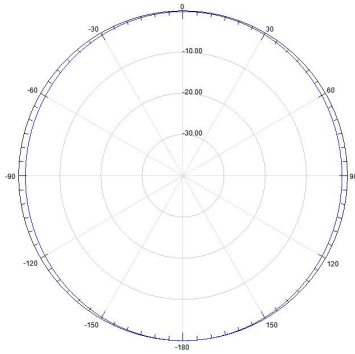
Connector Type		4.3-10 female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

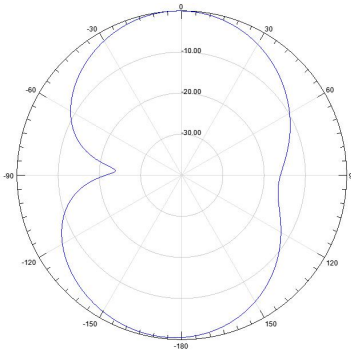
Horizontal pattern



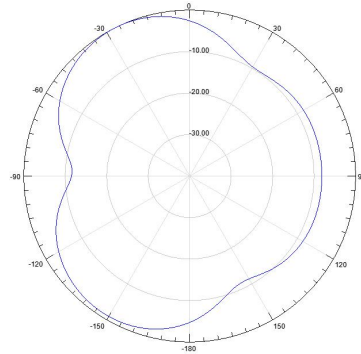
Vertical pattern



900MHz



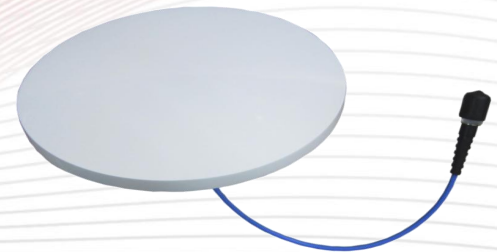
1710MHz



2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-150dBc @ 2x20 W.
- 4.3-10 female



4.2 AI698-2700V05i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AI698-2700V05i360A-4310			
Frequency Range	MHz	698-806	806-960	1710-2700
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0
Polarization		Vertical		
Beam width	Horizontal	360		
	Vertical	90	70	35
VSWR		≤1.8	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153		
Input Power, maximum	watts	50		
Impedance	ohm	50		

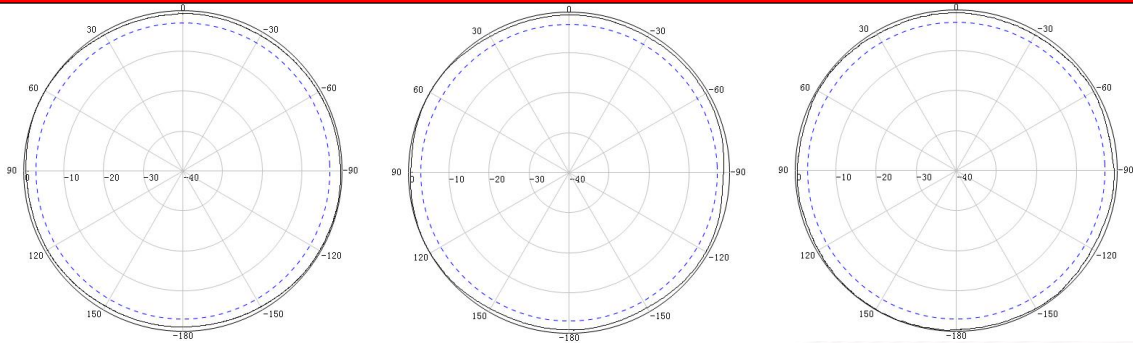
Mechanical Specification

Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

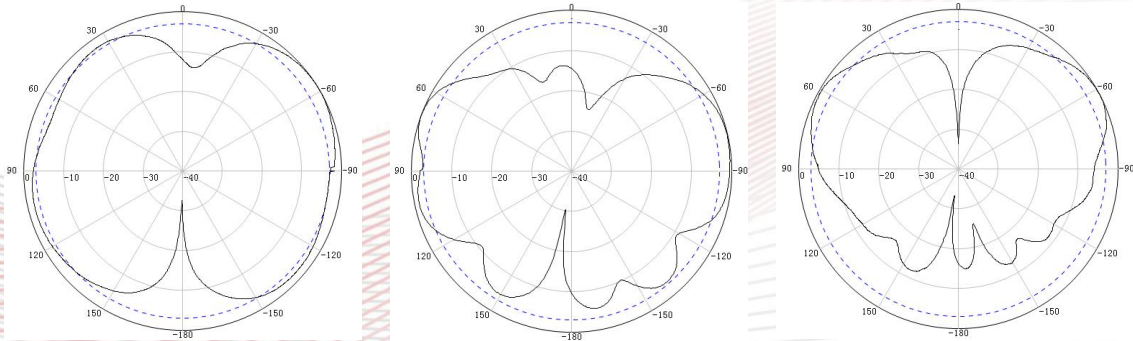


Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

-
- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- 4.3-10 female.



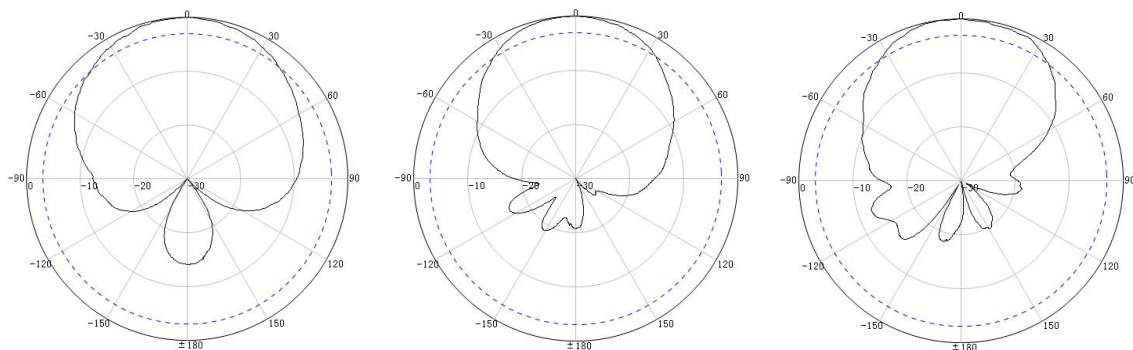
4.3 AI698-2700V09i70E-4310

Indoor Wide band Panel Antenna, coverage 698MHz - 2700MHz

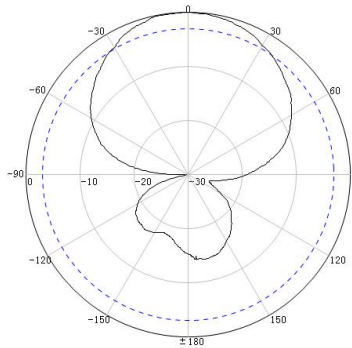
Electrical Specifications						
Item No.	AI698-2700V09i70E-4310					
Frequency Range	MHz	698-806	806-960	1710-2170	2170-2700	
Gain	dBi	5.5±1	6±1	7±1	7.5±1	
Polarization	Vertical					
Beam width	Horizontal	deg	85±20	85±20	62±15	60±20
	Vertical (Typical)		75	73	60	50
Front-To-Back Ratio	dB	> 8	> 8	> 12	> 12	
VSWR		≤1.8	≤1.8	≤1.8	≤1.8	
PIM, 3rd Order, 2 x 20W,	dBc	-150				
Input Power, maximum	watt	50				
Impedance	ohm	50				
Mechanical Specifications						
Connector Type		4.3-10 female				
Size	mm	165x155x50				
Weight, without Mounting Kit	kg	0.37				
Mounting Kit		On-wall				
Radome Material and Color		ABS, White, RAL9003				
Operational Temperature	oC	-55 ~ 60				
Operational Humidity	%	< 95				

Radiation Patterns

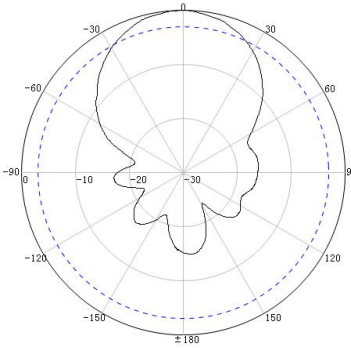
Horizontal pattern



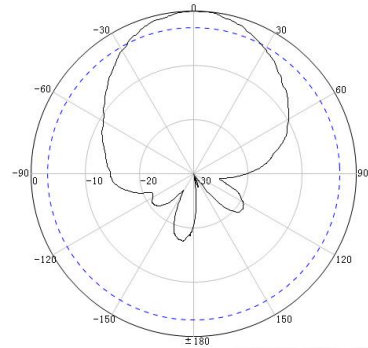
Vertical pattern



900MHz



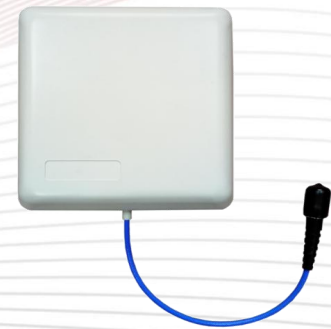
1710MHz



2500MHz

Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-150dBc @ 2x20 W.
- 4.3-10 female compliant.



4.4 AI698-2700VH03i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 2700MHz, MIMO

Electrical Specifications

Item No.		AI698-2700VH03i360A-4310			
Frequency Range		MHz	698-806	806-960	1710-2700
Gain		dBi	3.0±0.5	3.5±0.5	4.5±1.0
Polarization			Linear×2		
Beam width (Typical)	Horizontal	deg	OMNI		
	Vertical		90	85	45
VSWR			≤2.0	≤2.0	≤2.0
Isolation		dB	>17	>17	>20
PIM, 3rd Order, 2 x 20 W		dBc	≤-150		
Maximum Power		watts	50		
Impedance		ohm	50		

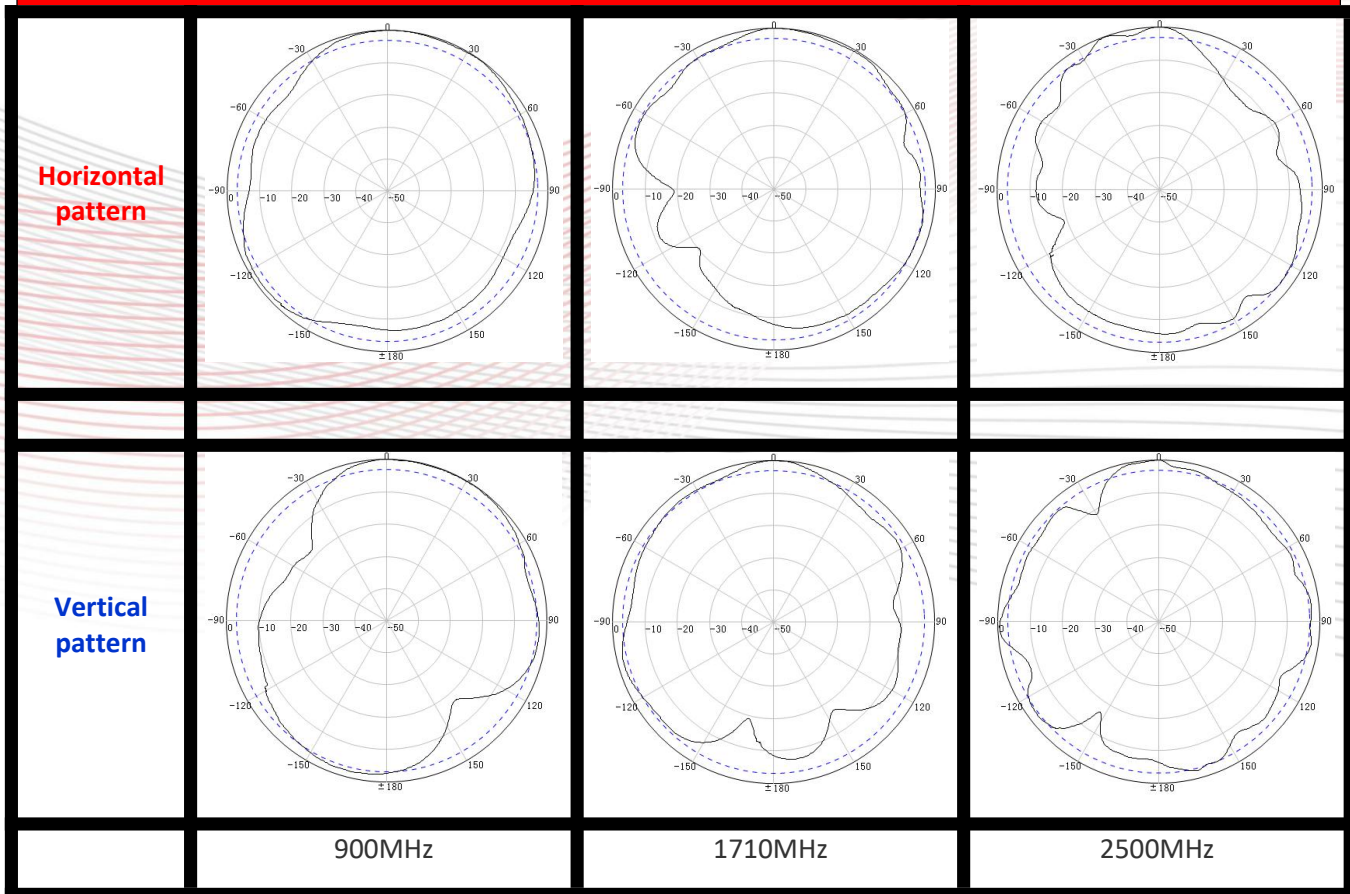
Mechanical Specifications

Connector Type		4.3-10 Female×2
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Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.



4.5 AI698-2700X07i70A-4310

Electrical Specifications

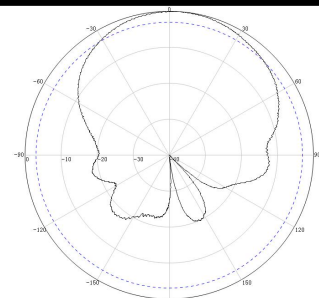
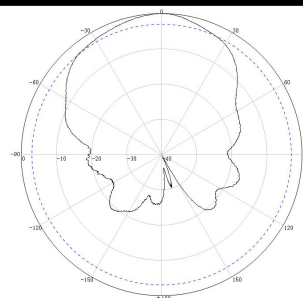
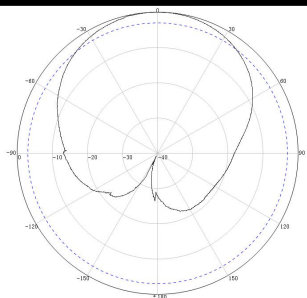
Item No.	AI698-2700X07i70A-4310						
Frequency Range	MHz	698-806	806-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain	dBi	6.4	7.5	8.1	8.1	8.1	7.1
Polarization		±45°					
Beam width	Horizontal	61-82		63-87			
	Vertical	55-80		55-85			
Front-To-Back Ratio	dB	≥10		≥15			
VSWR		≤2.0		≤1.5			
Isolation	dB	>20		>23			
PIM, 3rd Order, 2 x 20 W,	dBc	≤-150					
Input Power per Port, maximum	watts	50					

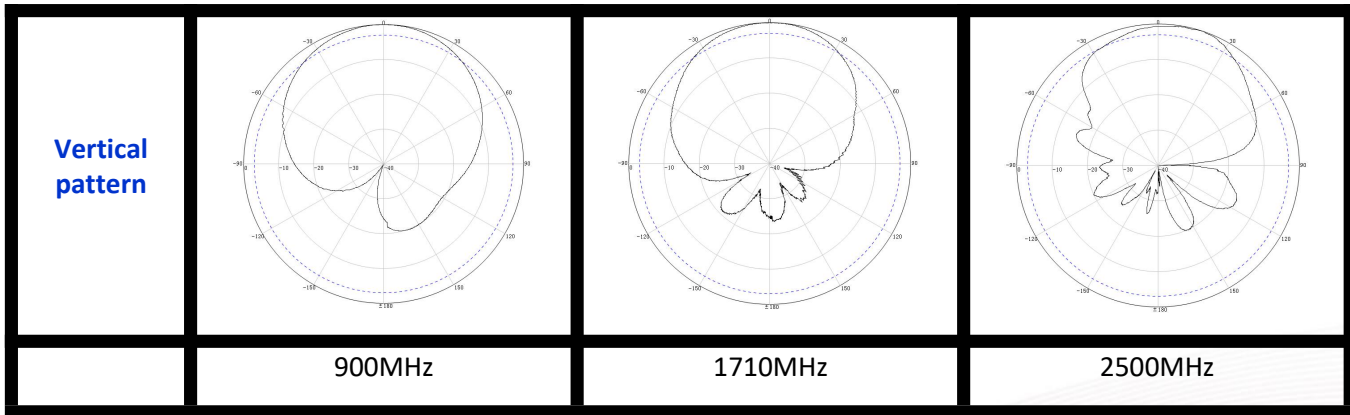
Mechanical Specifications

Dimensions, HxWxD	mm	308x190x65					
Weight, without Mounting Kit	kg	0.9					
Radome Material and Color		ABS, White, RAL9003					
Mounting Kit		On-wall					
Connector Type and Location		4.3-10 Femalex2					
Operational Temperature	oC	-55 to +60					
Operational Humidity	%	< 95					

Radiation Patterns

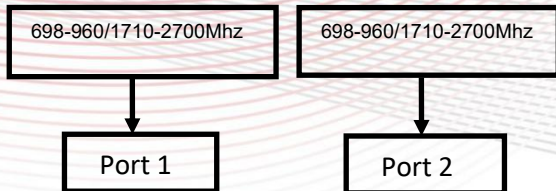
Horizontal pattern





Features and Product Description

- Wideband Directional Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.
- Dual Polarization±45° for Whole Band 700-2700Mhz.
- 4.3-10 female.



4.6 AR698-2700V11i60D-4310

Indoor/Outdoor Wide band Log periodic Antenna, coverage 698MHz - 2700MHz

Electrical Specifications

Item No.	AR698-2700V11i60D-4310		
Frequency Range	MHz	698-960	1710-2700
Gain	dBi	9.5±0.5	10.5±0.5
Polarization		Vertical	
Beam width	Horizontal	deg	65±15
	Vertical		58±10
VSWR		≤1.8	≤1.5
PIM, 3rd Order, 2 x 20W,	dBc	-150	
Maximum input power	W	50	
Lightning protection		DC Ground	
Impedance	Ω	50	

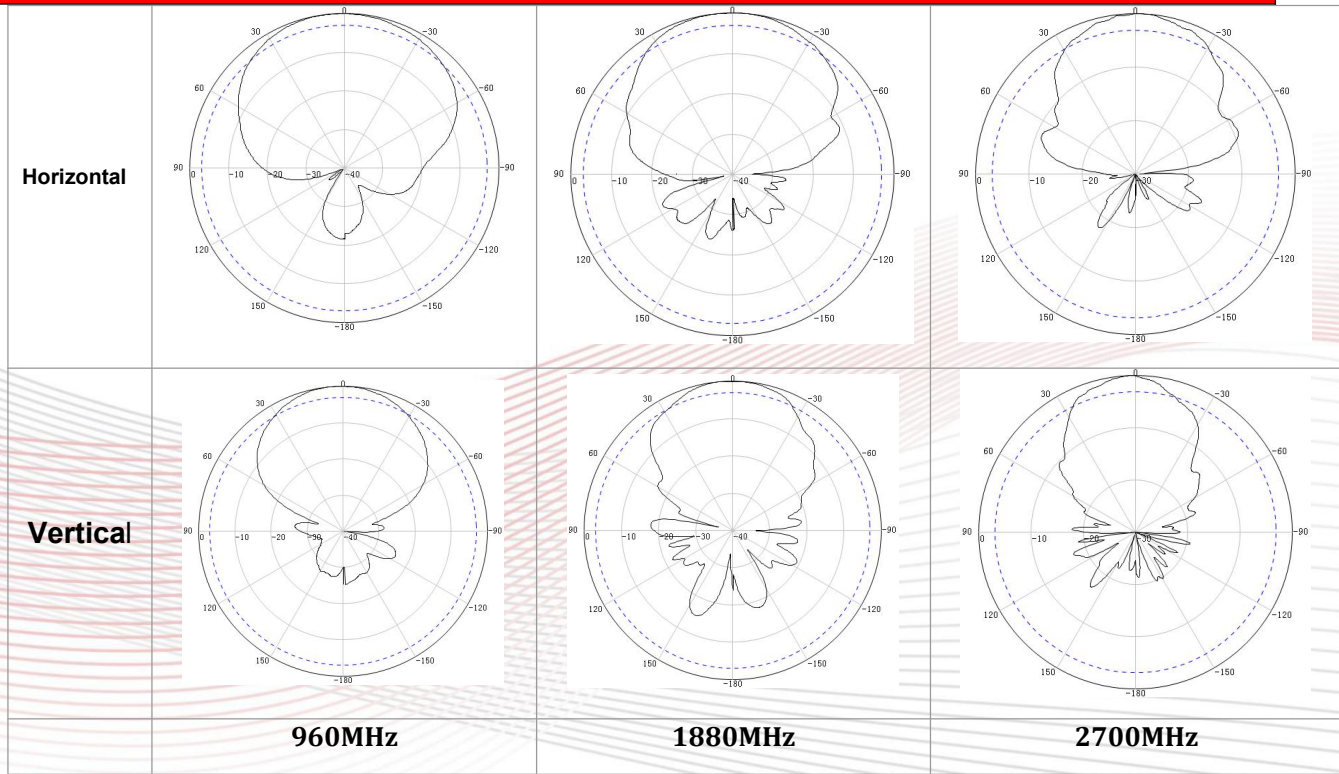
Mechanical Specification

Connector Type		4.3-10 female
Connector position		Bottom
Size	(mm)	440×210×65
Antenna Weight	kg	0.65



Rated wind velocity	m/s	36.9
Operational Temperature	oC	-40 ~ 55
Radome material		ABS, White, RAL9003
Mounting hardware	(mm)	φ35 ~ φ50

Radiation Pattern



Features and Product Description

- Wide band Wide band Log periodic Antenna, coverage 698MHz - 2700MHz.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain with 11dBi, Stable performance.
- Supplied with mounting bracket and easy to install.
- 4.3-10 female compliant.



4.7 AI698-4000H06i360A-4310

Indoor Wide band Omni Antenna, thin type, coverage 698MHz - 4000MHz

Electrical Specifications

Item No.	AI698-4000H06i360A-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Horizontal			
VSWR		≤1.5	≤1.5	≤1.5	≤1.5
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			

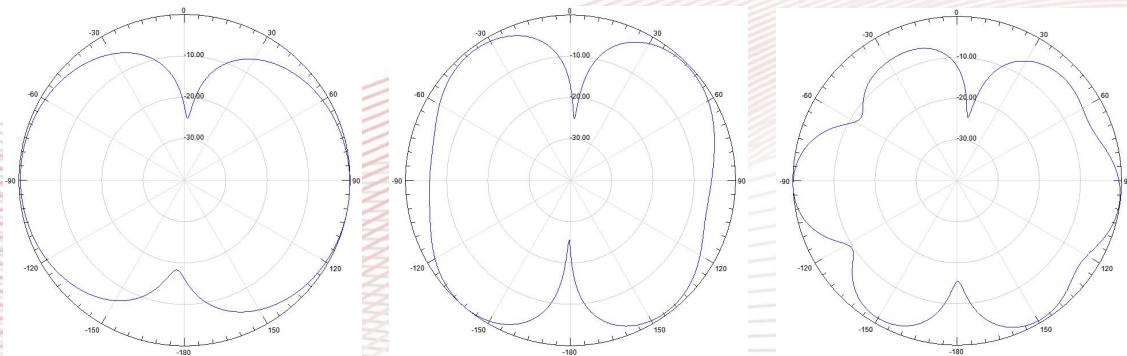


Impedance	ohm	50
Mechanical Specification		
Connector Type		4.3-10 female
Size	mm	Φ220×18
Antenna Weight	kg	0.3
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

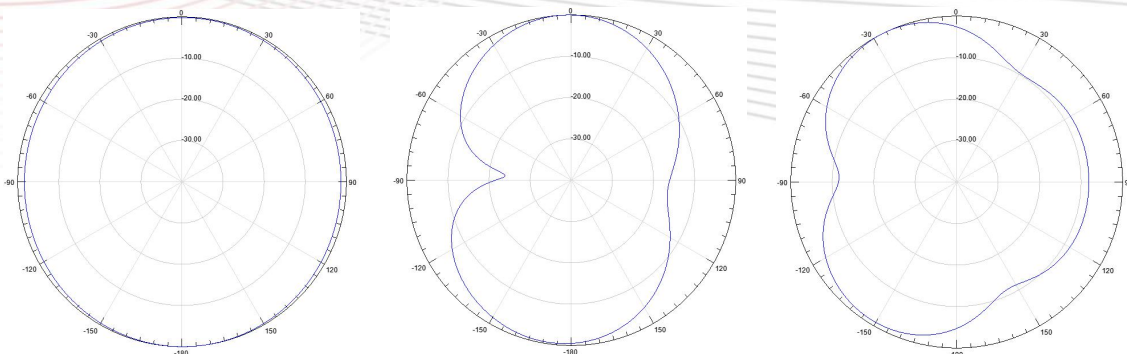
*This product is not suitable for installation on metal ceiling

Radiation Pattern

Horizontal pattern



Vertical pattern



698-960MHz

1710-2170MHz

2170-2700MHz

Features and Product Description

- Wideband Omni Antenna , coverage 698MHz - 4000MHz .
- Typically both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss,Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- 4.3-10 female



4.8 AI698-4000HH06i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

[PRELIMINARY]

Electrical Specifications

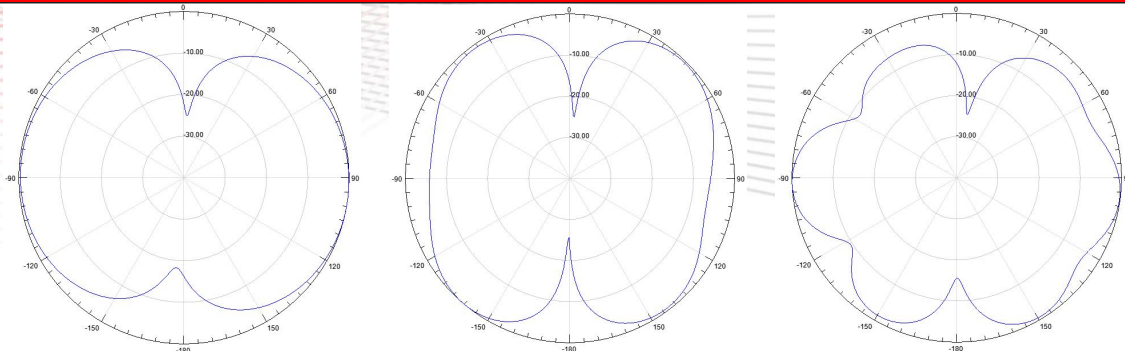
Item No.	AI698-4000HH06i360A-4310					
Frequency Range	MHz	698-806	806-960	1350-1550	1710-2700	3300-4000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0
Polarization		Linear Horizontal				
VSWR		≤1.8	≤1.8	≤2.0	≤1.8	≤1.8
Isolation	dB	≥17	≥17	≥15	≥20	≥25
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153				
Input Power, maximum	watts	50				
Impedance	ohm	50				

Mechanical Specification

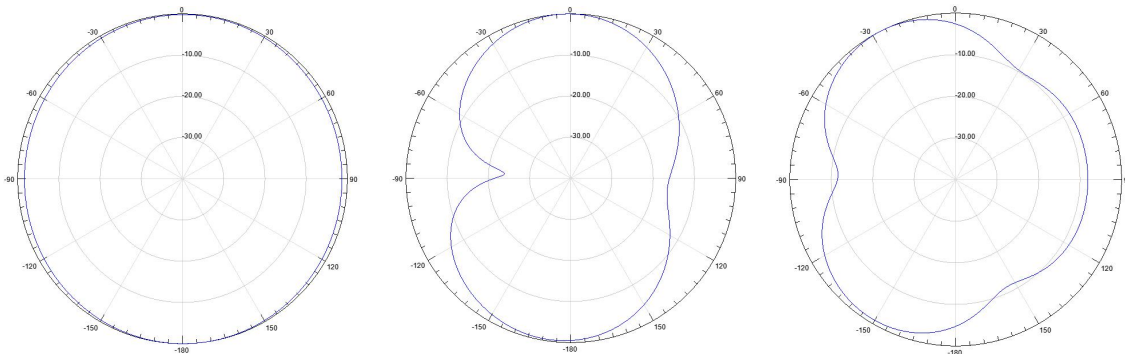
Connector Type		4.3-10 female×2				
Size	mm	Φ266×18				
Antenna Weight	kg	0.5				
Mounting Kit		Ceiling, via hole (standard)				
Radome Material & Color		ABS, White, RAL9003				
Operational Temperature	°C	-55 ~ 60				
Operational Humidity	%	< 95				

Radiation Pattern

Horizontal pattern



Vertical pattern

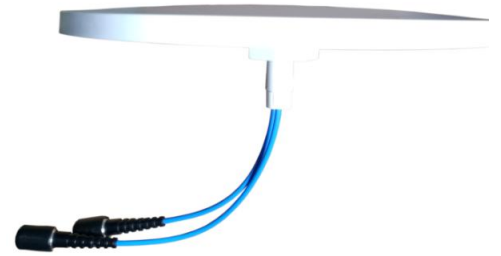
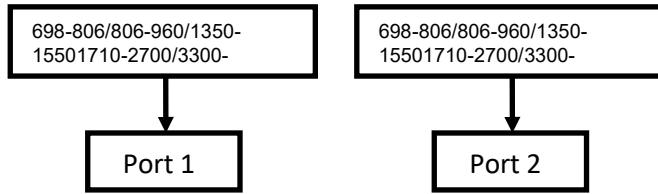


900MHz

1710MHz

2500MHz





4.9 AI698-4000V05i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

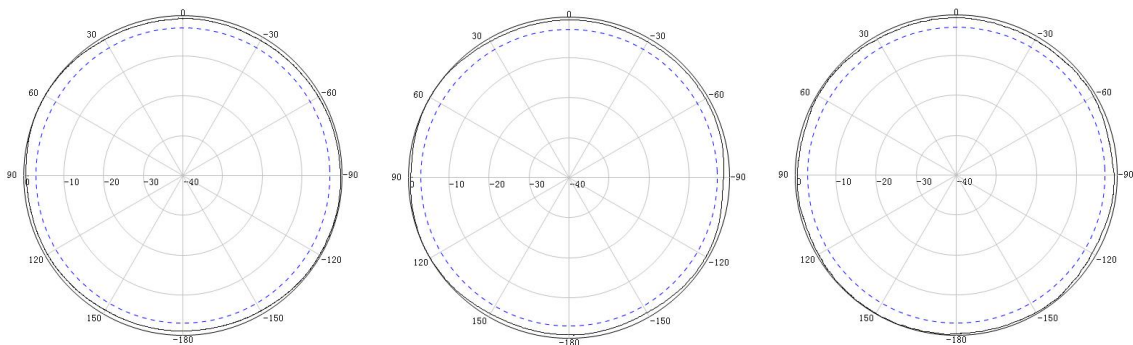
Item No.	AI698-4000V05i360A-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			
Impedance	ohm	50			

Mechanical Specification

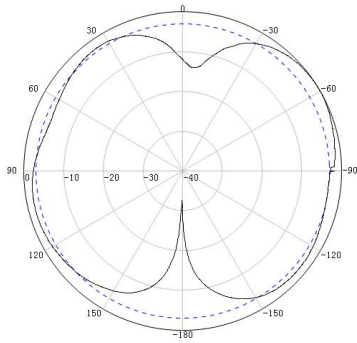
Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.37
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

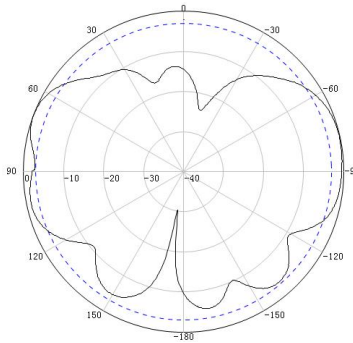
Horizontal pattern



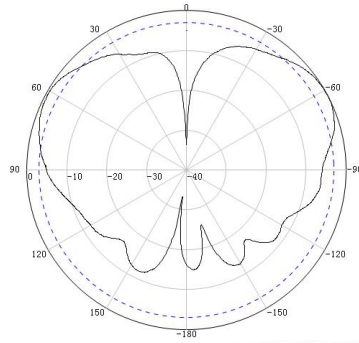
Vertical pattern



900MHz



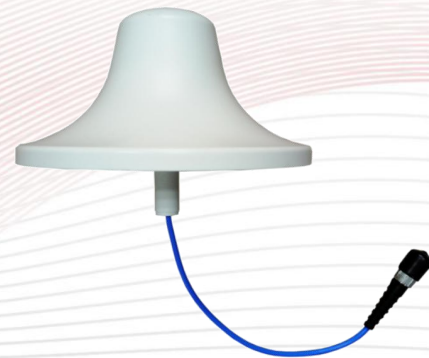
1710MHz



2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- 4.3-10 female.



4.10 AI698-4000VH03i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 4000MHz, MIMO

Electrical Specifications

Item No.	AI698-4000VH03i360A-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	3.0±0.5	3.5±0.5	4.5±1.0	5.0±1.0
Polarization		Linear×2			
Beam width (Typical)	Horizontal	deg	OMNI		
	Vertical		90	85	45
VSWR		≤2.0	≤2.0	≤2.0	≤2.0
Isolation	dB	>17	>17	>20	>25
PIM, 3rd Order, 2 x 20 W	dBc	≤-150			
Maximum Power	watts	50			
Impedance	ohm	50			

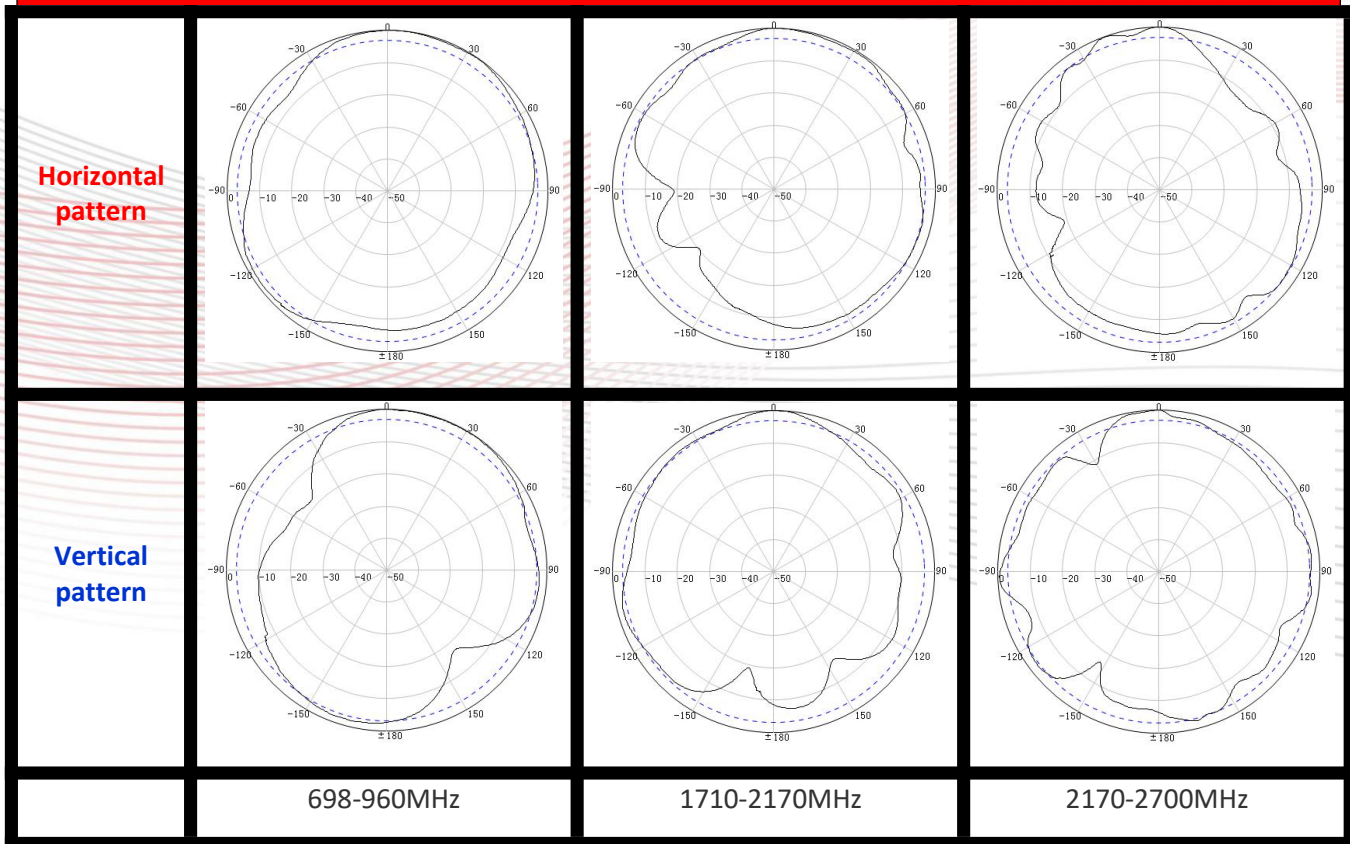
Mechanical Specifications

Connector Type	4.3-10 Female×2				
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Dimensions	mm	Φ218×40
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Patterns



Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 4000MHz .
- Typically used in indoor distribution of LTE and MIMO services.
- Low return loss, Good radiation pattern, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-150dBc @ 2x20 W.

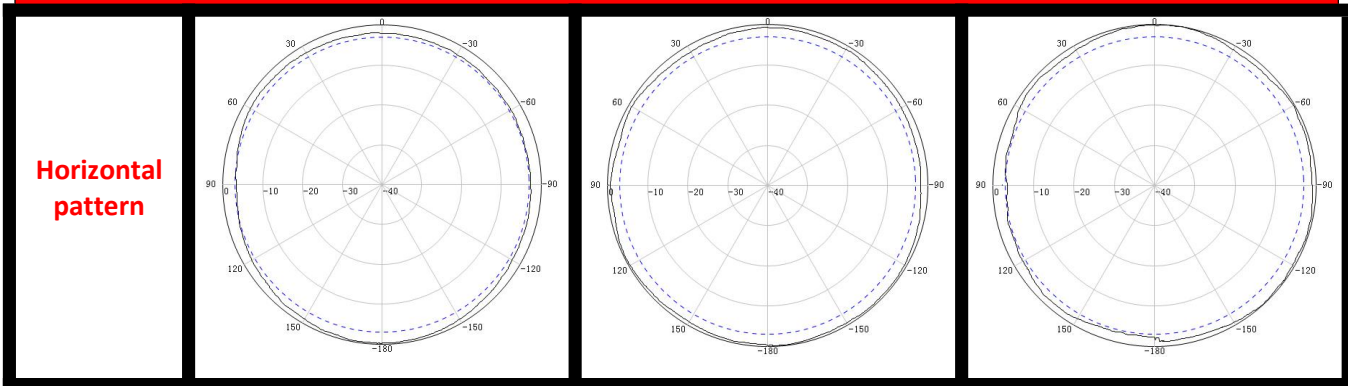


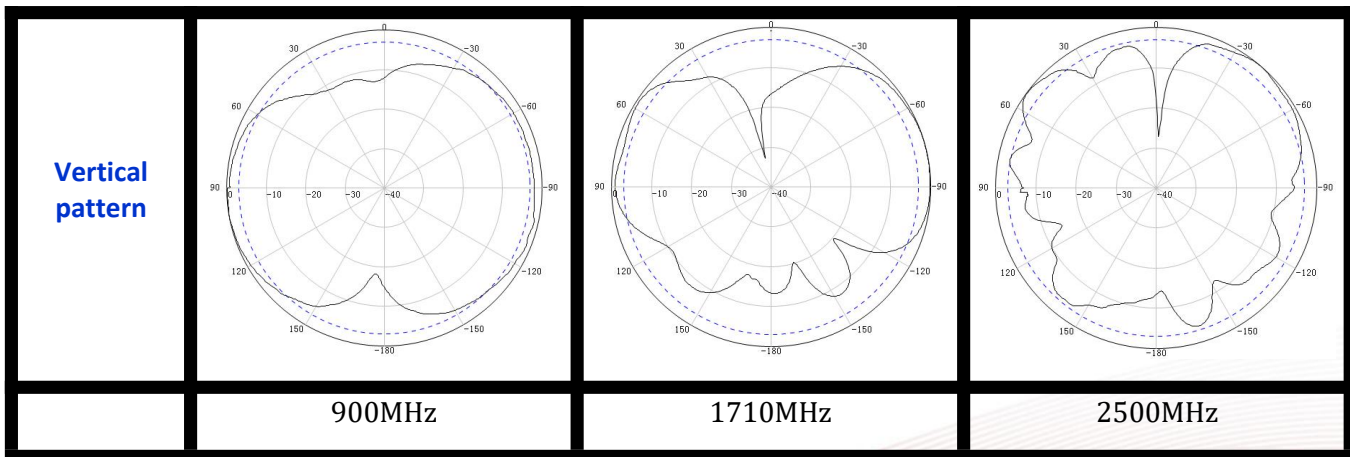
4.11 AR698-4000V04i360B-4310

Indoor/Outdoor Wide band Omni Antenna, coverage 698MHz - 4000MHz

Electrical Specifications					
Item No.	AR698-4000V04i360B-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-4000
Gain	dBi	2.5±0.5	3±0.5	3.5±0.5	4±0.5
Polarization		Vertical			
Beam width	Horizontal	360			
	Vertical (Typical)	83	65	45	35
VSWR		≤1.8			
PIM, 3rd Order, 2 x 20 W,	dBc	-153			
Input Power, maximum	watt	50			
Impedance	ohm	50			
Mechanical Specifications					
Connector Type		4.3-10 Female			
Dimensions	mm	211x67x67			
Weight	kg	0.3			
Mounting Kit		On-wall/ Pole mounting			
Radome Material and Color		ABS, White, RAL9003			
Operational Temperature	oC	-55 ~ 60			
Operational Humidity	%	< 95			

Radiation Patterns





Features and Product Description

- Wideband Omni Antenna, coverage 698MHz-4000MHz.
- Typically, both used in indoor & outdoor distribution of LTE services.
- Low return loss, High gain, Good radiation pattern.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp. Both mounting on wall and pole.
- ABS antenna cover, waterproof, UV-resistance.
- PIM<-153dBc @ 2x20 W.



4.12 AI698-4000V08i75B-4310

Indoor Wide band Panel Antenna, coverage 698MHz - 4000MHz

Electrical Specifications

Item No.		AI698-4000V08i75B-4310					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization			Vertical				
Beam width	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
Front-To-Back Ratio		dB	> 5	> 8	> 10	> 15	> 10
VSWR			≤1.8				
PIM, 3rd Order, 2 x 20 W,		dBc	-153				
Input Power, maximum		watt	50				
Impedance		ohm	50				

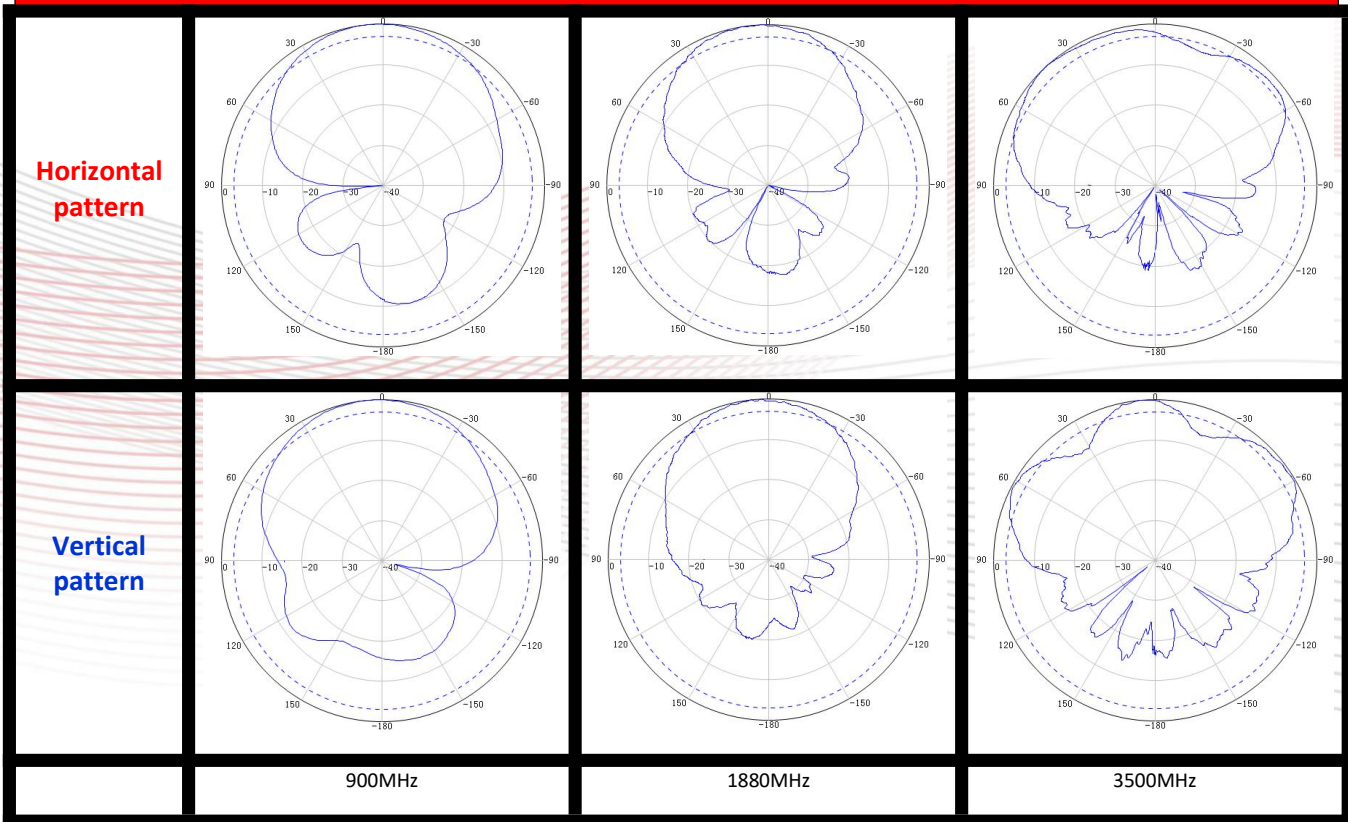
Mechanical Specifications

Dimensions, HxWxD	mm	180x170x60
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Weight, without Mounting Kit	kg	0.4
Radome Material and Color		ABS, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		4.3-10 Female
Operational Temperature	oC	-55 to +60

Radiation Patterns



Features and Product Description

- New generation wideband Directional Antenna, coverage 698MHz - 4000MHz.
- Smaller size, light-weight and easy to install.
- Typically used in indoor distribution of LTE services.
- Low return loss, High gain, Stable performance.
- PIM<-153dBc @ 2x20 W.
- 4.3-10 female compliant.



4.13 AI698-4000VH08i75A-4310

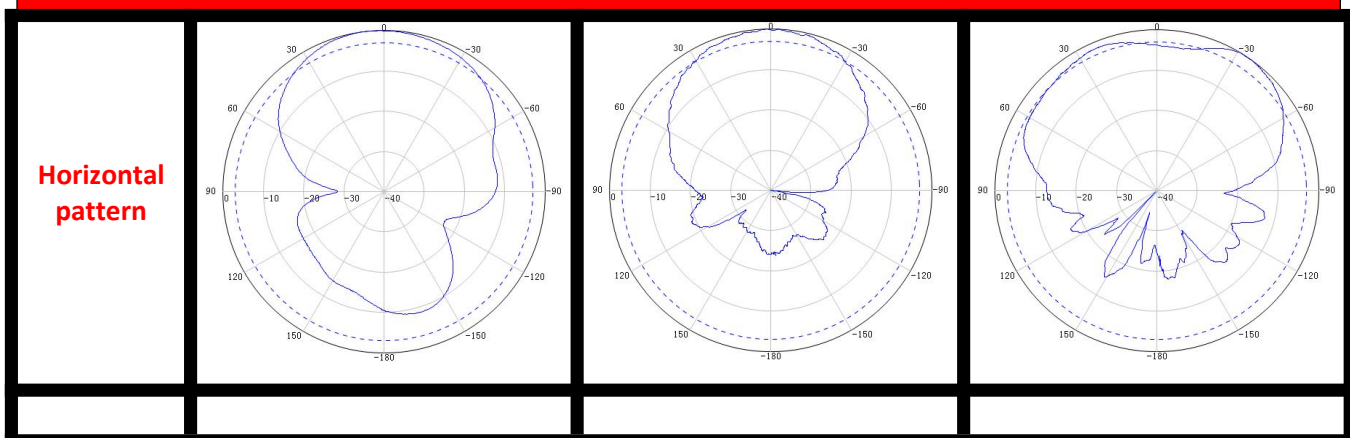
Electrical Specifications

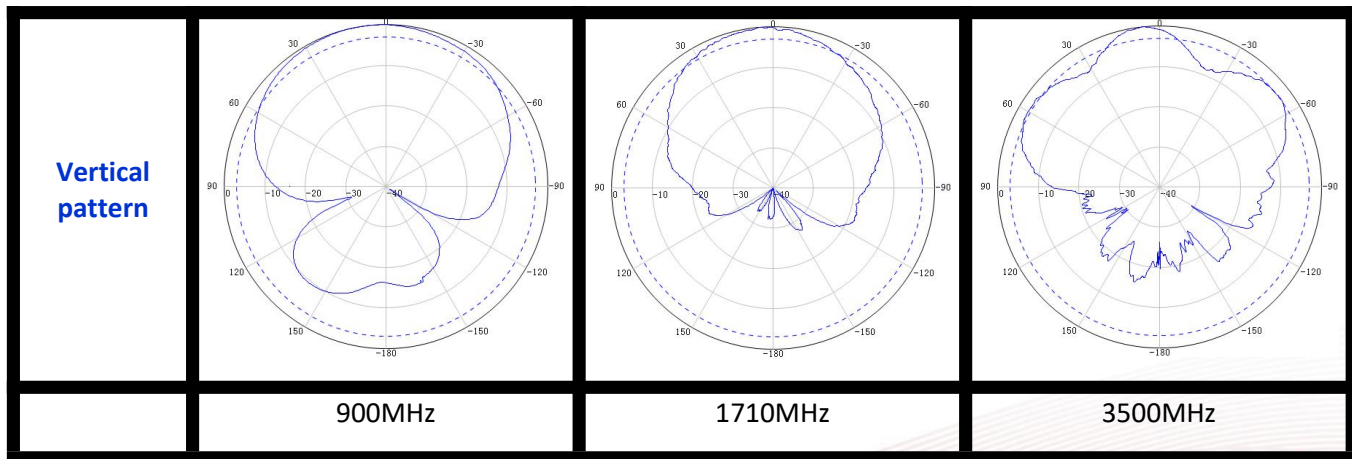
Item No.		AI698-4000VH08i75A-4310					
Frequency Range		MHz	698-806	806-960	1710-2170	2200-2700	3400-4000
Gain		dBi	5±0.5	6±0.5	7±0.5	7.5±0.5	8.5±0.5
Polarization		Vertical and Horizontal					
Beam width (Typical)	Horizontal	deg	80	80	65	60	55
	Vertical		73	70	60	60	30
VSWR		≤2.0					
PIM, 3rd Order, 2 x 20 W,		dBc	-153				
Input Power per Port, maximum		watts	50				
Impedance		ohm	50				

Mechanical Specifications

Dimensions, HxWxD	mm	400x180x62
Weight, without Mounting Kit	kg	1.5
Radome Material and Color		PVC, White, RAL9003
Mounting Kit		On-wall
Connector Type and Location		4.3-10 Female×2
Operational Temperature	oC	-55 to +60
Operational Humidity	%	< 95

Radiation Patterns





Features and Product Description

- Wideband Directional Antenna, Two ports of coverage 698MHz - 4000MHz.
- Typically used in indoor distribution of MIMO and LTE services.
- Low return loss, High gain, Stable performance.
- Compact, light-weight and easy to install.
- PIM<-153dBc @ 2x20 W.



4.14 AI380-2700H04i360A-4310

Indoor Wide band Omni Antenna, coverage 380MHz - 2700MHz

Electrical Specifications

Item No.	AI380-2700H04i360A-4310			
Frequency Range	MHz	380-520	698-960	1710-2700
Gain	dBi	2.0±1.0	2.2±1.0	4.5±1.0
Polarization		Horizontal		
VSWR		≤2.5	≤2.0	≤2.0
PIM, 3rd Order, 2 x 20 W,	dBc	/	≤-140	≤-140
Input Power, maximum	watts	50		
Impedance	ohm	50		

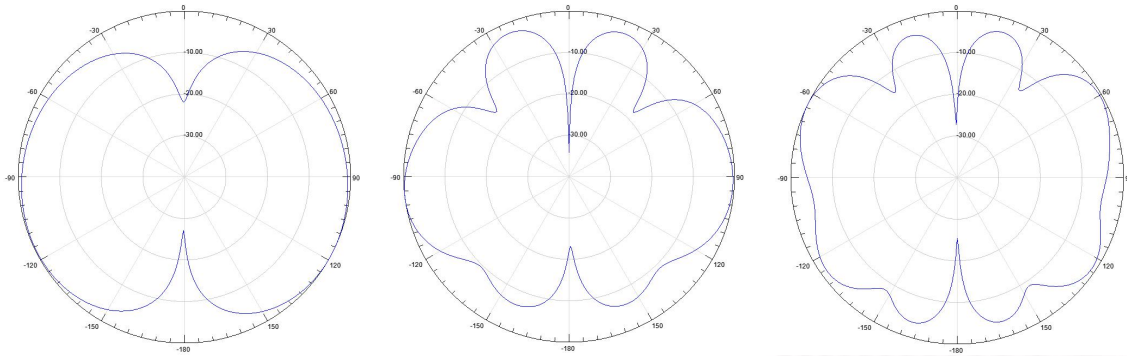
Mechanical Specification

Connector Type		4.3-10 female
Size	mm	Φ266×18
Antenna Weight	kg	0.4
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95
Ingression protection		IP67

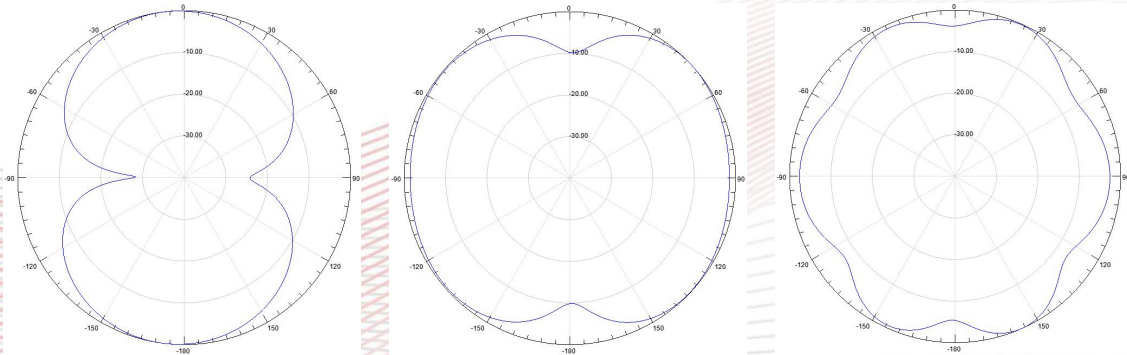
Radiation Pattern



Horizontal pattern



Vertical pattern



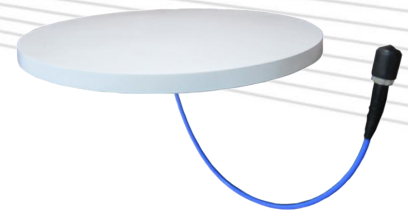
800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 2700MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE 5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-140dBc @ 2x20 W.



4.15 AI380-6000V05i360A-4310

Indoor Wide band Omni Antenna, coverage 380MHz - 6000MHz

Electrical Specifications

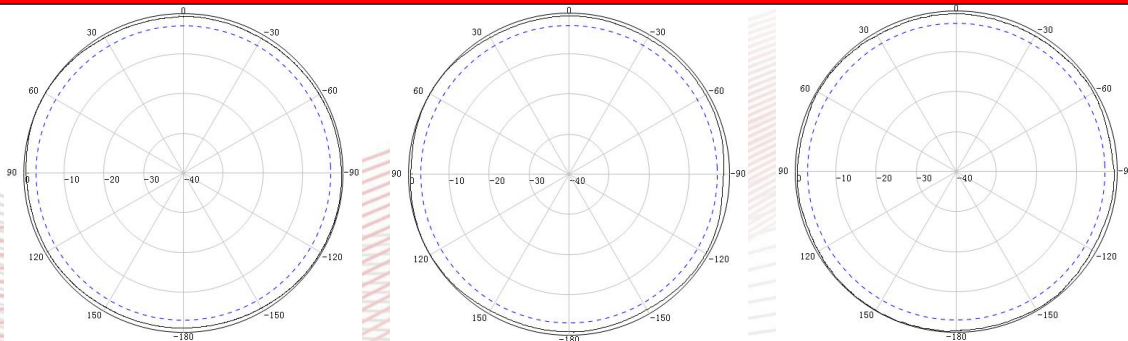
Item No.	AI380-6000V05i360A-4310			
Frequency Range	MHz	380-520	698-960	1710-6000
Gain	dBi	2.0±1.0	2.5±1.0	4.0±1.0
Polarization		Vertical		
Beam width	Horizontal	360		
	Vertical	90	90	35
VSWR		≤3.0	≤2.0	≤2.0
PIM, 3rd Order, 2 x 20 W,	dBc	/	≤-153	≤-153



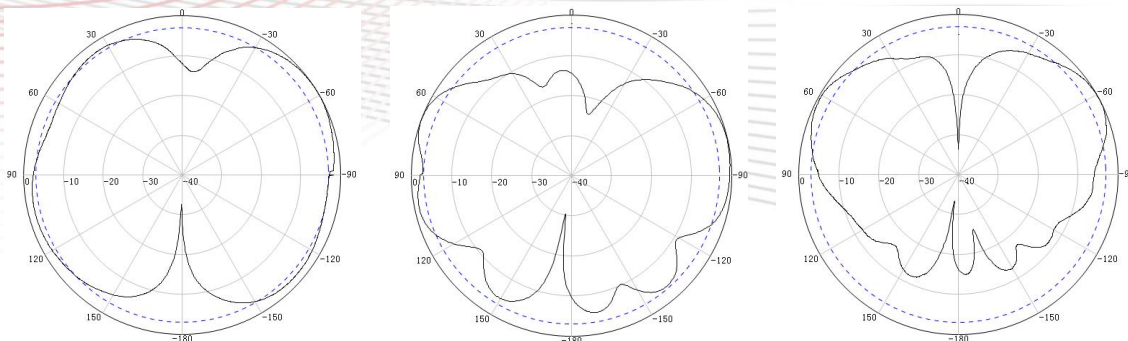
Input Power, maximum	watts	50
Impedance	ohm	50
Mechanical Specification		
Connector Type		4.3-10 female
Size	mm	Ø298×152
Antenna Weight	kg	0.9
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-55 ~ 60
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



800MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 380MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE/5G services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.



4.16 AI698-6000V05i360A-4310

Indoor Wide band Omni Antenna, coverage 698MHz - 6000MHz

Electrical Specifications

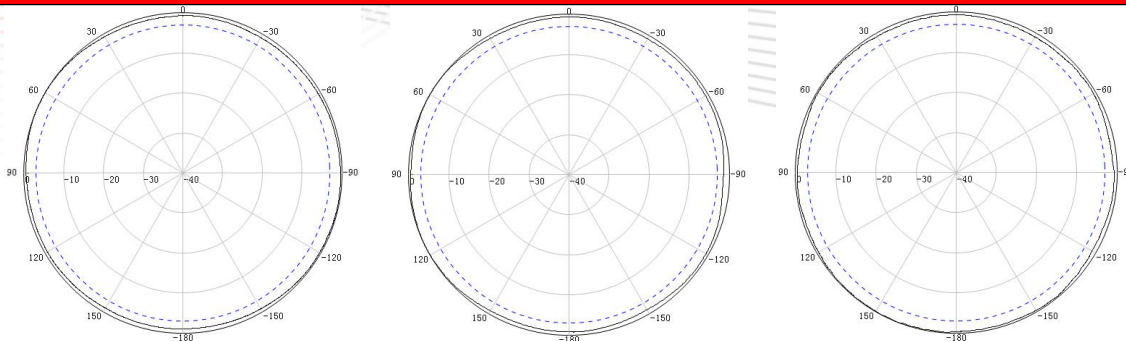
Item No.	AI698-6000V05i360A-4310				
Frequency Range	MHz	698-806	806-960	1710-2700	3400-6000
Gain	dBi	1.8±0.5	2.0±0.5	3.0±1.0	4.5±1.0
Polarization	Vertical				
Beam width	Horizontal	360			
	Vertical	90	70	35	30
VSWR		≤1.8	≤1.5	≤1.5	≤1.8
PIM, 3rd Order, 2 x 20 W,	dBc	≤-153			
Input Power, maximum	watts	50			
Impedance	ohm	50			

Mechanical Specification

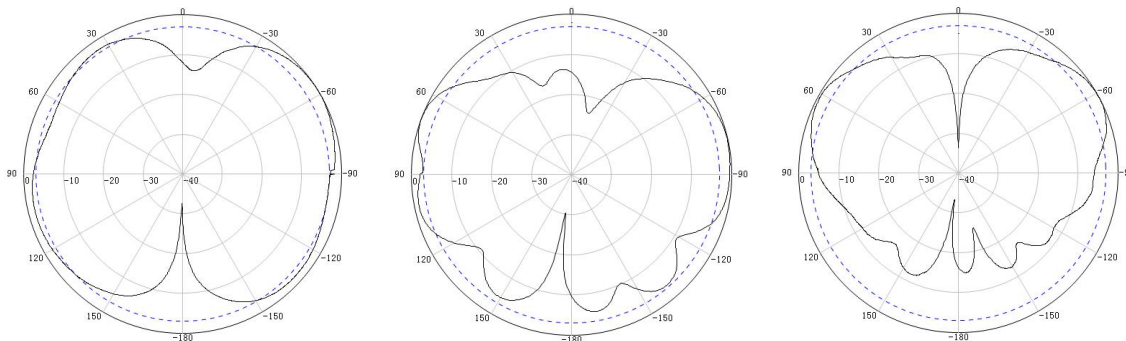
Connector Type		4.3-10 female
Dimensions	mm	Φ203×115
Weight	kg	0.5
Mounting Kit		Ceiling, via hole (standard)
Radome Material and Color		ABS, White, RAL9003
Operational Temperature	oC	-40 ~ 55
Operational Humidity	%	< 95

Radiation Pattern

Horizontal pattern



Vertical pattern



900MHz

1710MHz

2500MHz

Features and Product Description

- Wideband Omni Antenna, coverage 698MHz - 6000MHz.
- Typically, both used in indoor distribution of GSM/CDMA WIFI/3G/LTE services.
- Low return loss, Stable performance.
- Compact, light-weight and easy to install.
- Supplied with mounting clamp.
- PIM<-153dBc @ 2x20 W.
- 4.3-10 female.

