

BIP Roottek

Antenna Datasheet

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Product Feature

- Rectangular Waveguide Interface
- 26.5GHz to 40 GHz
- Minimum 16dBi Gain

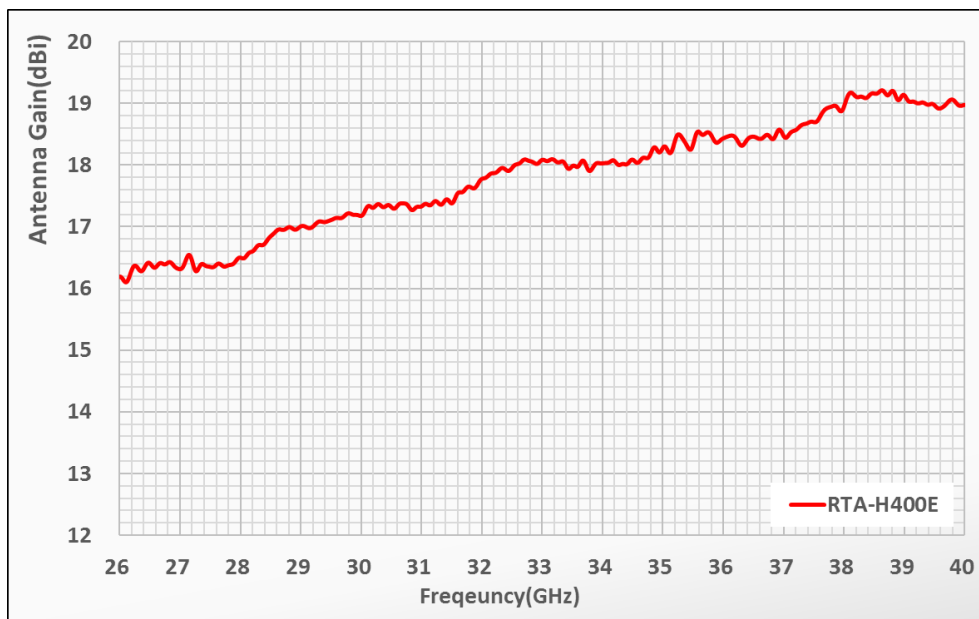
RTA-H400K



Specification

Parameter	Value	Unit	Description
Frequency	26.5 ~ 40.0	GHz	
Dimension	32.0mm(W) X 58.0mm(D) X 24.0mm (H)	mm	
Interface	WR-28, UG-599/U Square Cover Flange	-	
HPBW	E - Plane: 27.7° H - Plane: 26.0°	degree	Simulated results @ 28GHz

Measurement Data



Product Feature

- Wide band Antenna
- Dual Polarization
- Directional Antenna

RTA-Q400K

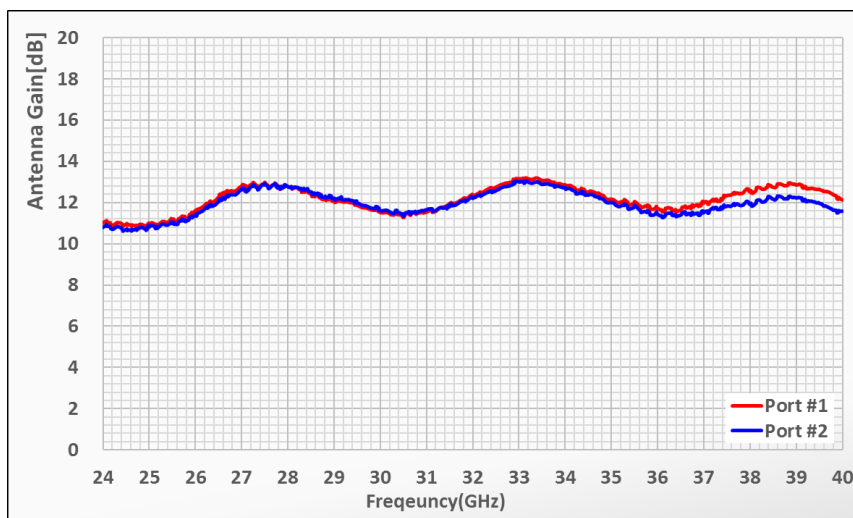


Specification

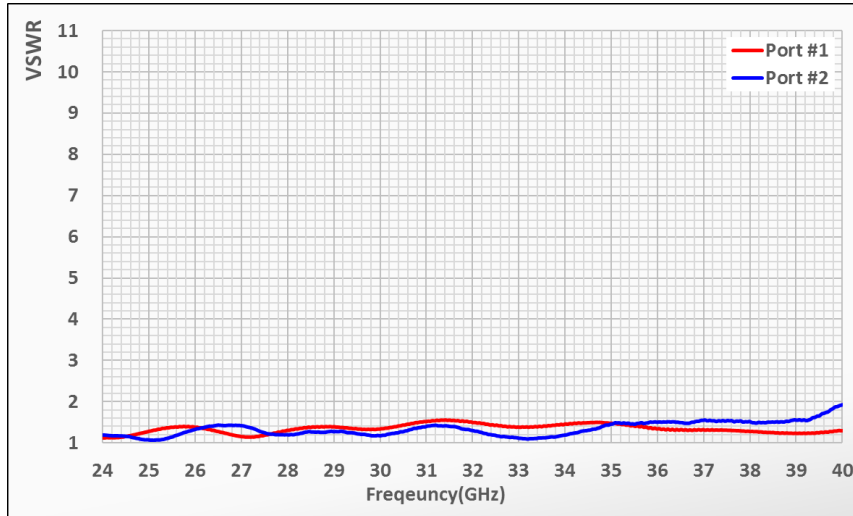
Parameter	Value	Unit	Description
Frequency	24 ~ 40	GHz	
Gain	Typical 12	dB	Typical
VSWR	< 2.2 @ 24 ~ 40 GHz	-	
Cross Pol. Isolation	> 20dB		
Cross Port Isolation	> 20dB		
Dimension	49.6mm(W) X 49.6mm(D) X 52.3mm (H)	mm	Included connector
Interface	2.92mm(K-Type) Connector	-	Female

Measurement Data

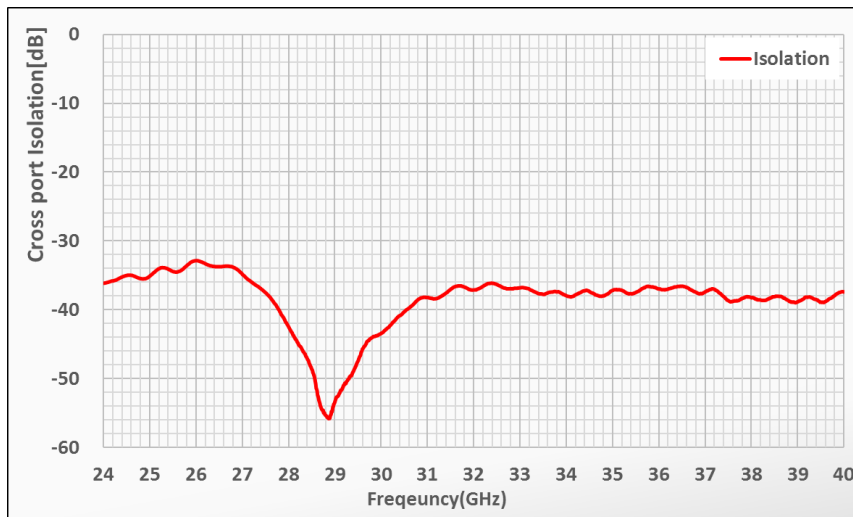
1. Antenna Gain



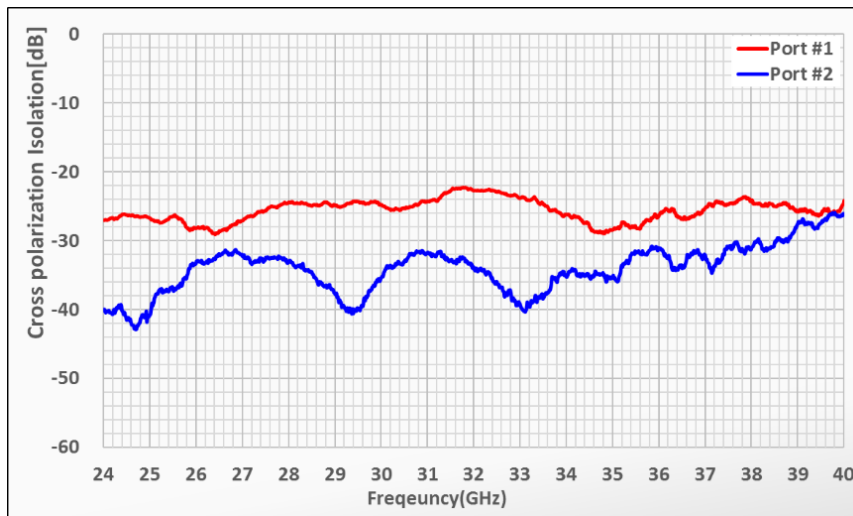
2. Antenna VSWR



3. Cross Port Isolation



4. Cross Polarization Isolation



Product Feature

- 1.85mm(V) Connector Interface
- 50GHz to 65GHz
- Minimum 17dBi Gain

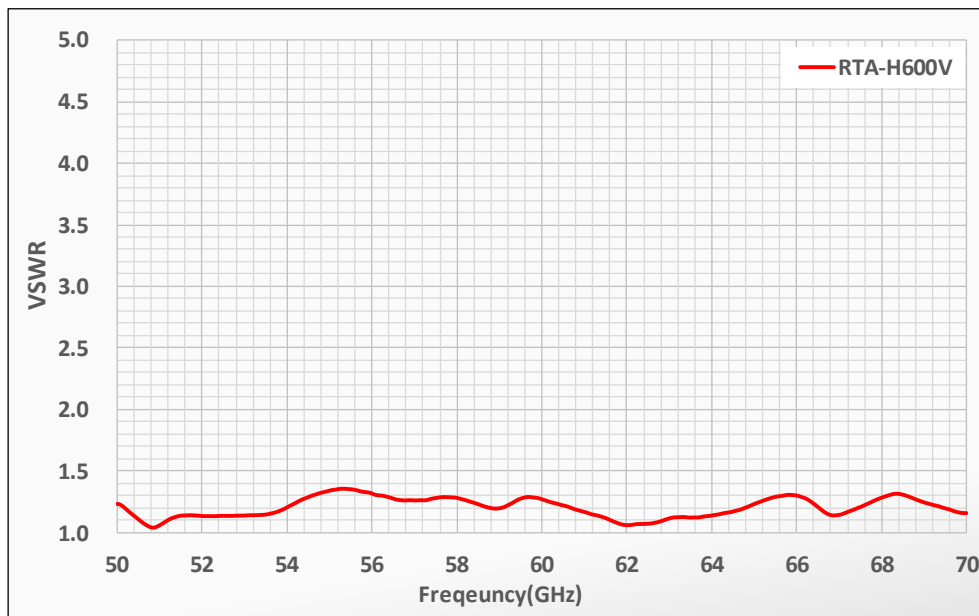
RTA-H600V

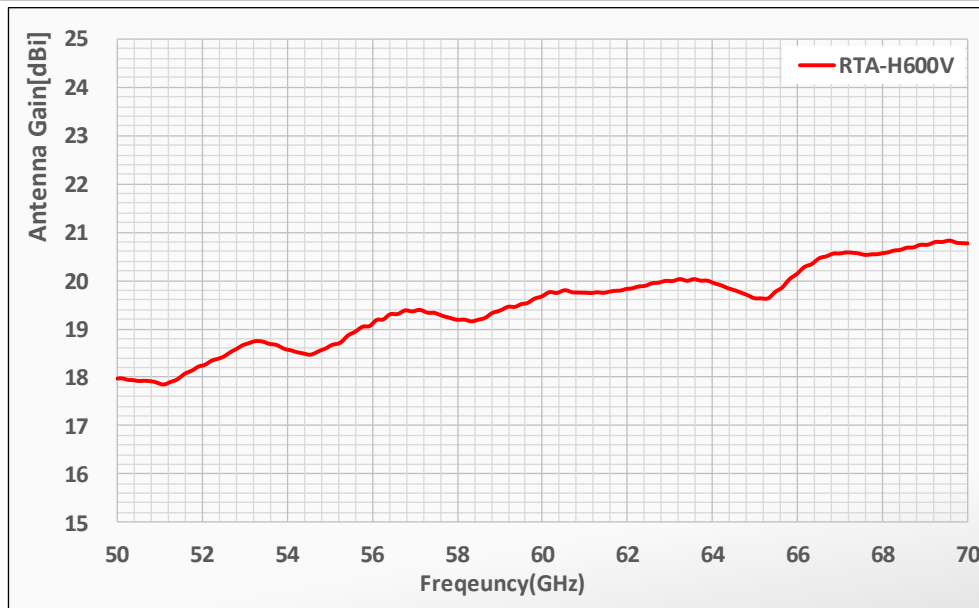


Specification

Parameter	Value	Unit	Description
Frequency	50 ~ 65	GHz	
Dimension	23.0mm(W) X 52.0mm(D) X 22.6mm (H)	mm	Included connector
Interface	1.85mm(V) Connector	-	Female
HPBW	E - Plane: 18.7° H - Plane: 17.3°	degree	Simulated results @ 60GHz

Measurement Data





Product Feature

- Ultra Wide band Antenna
- Circular Polarization (RHCP)
- Flat Antenna

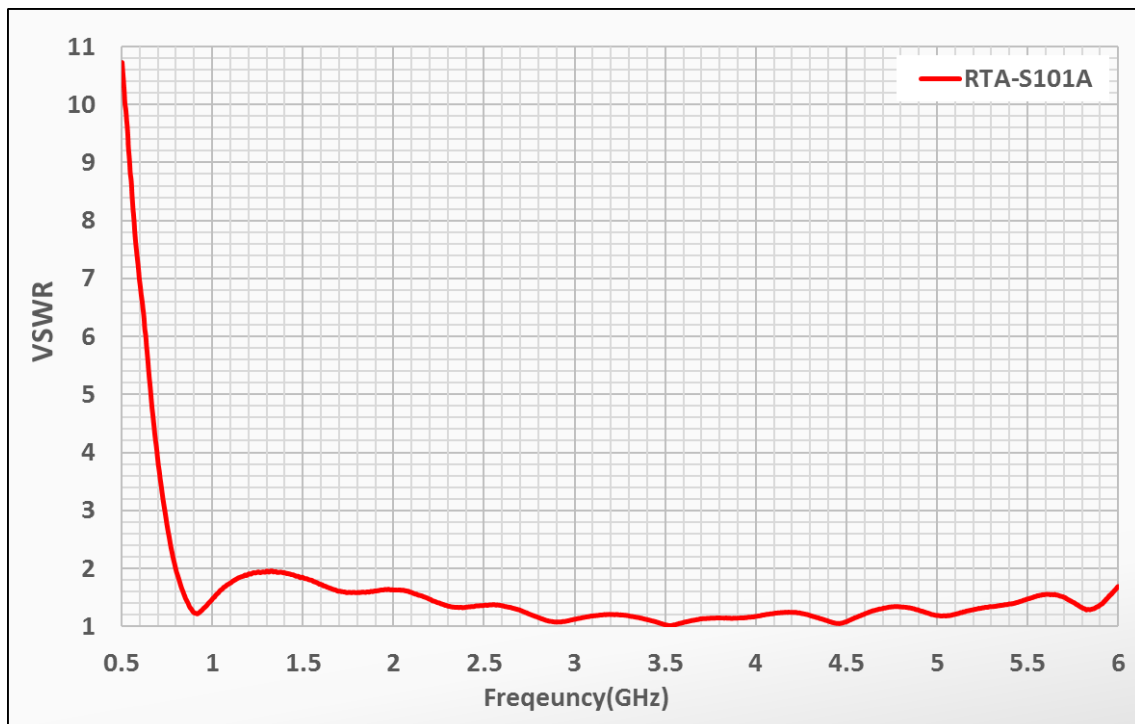
RTA-S101A



Specification

Parameter	Value	Unit	Description
Frequency	0.8 ~ 6.0	GHz	
VSWR	<2.2 @ 0.8 ~ 6.0 GHz	-	
Dimension	120.0mm(W) X 140.0mm(D) X 14.7mm (H)	mm	Included connector
Interface	SMA Connector	-	Female

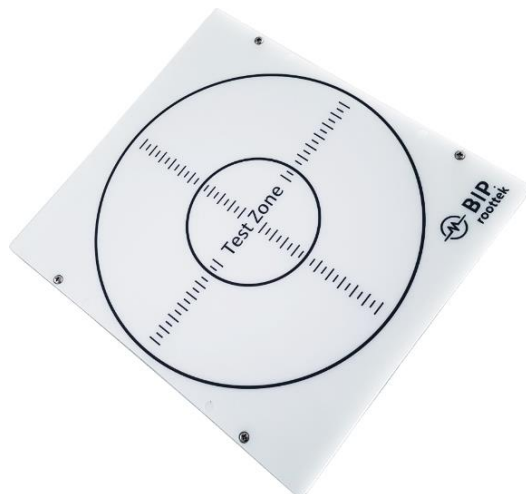
Measurement Data



Product Feature

- Ultra Wide band Antenna coupler
- Circular Polarization (RHCP)
- Flat Antenna

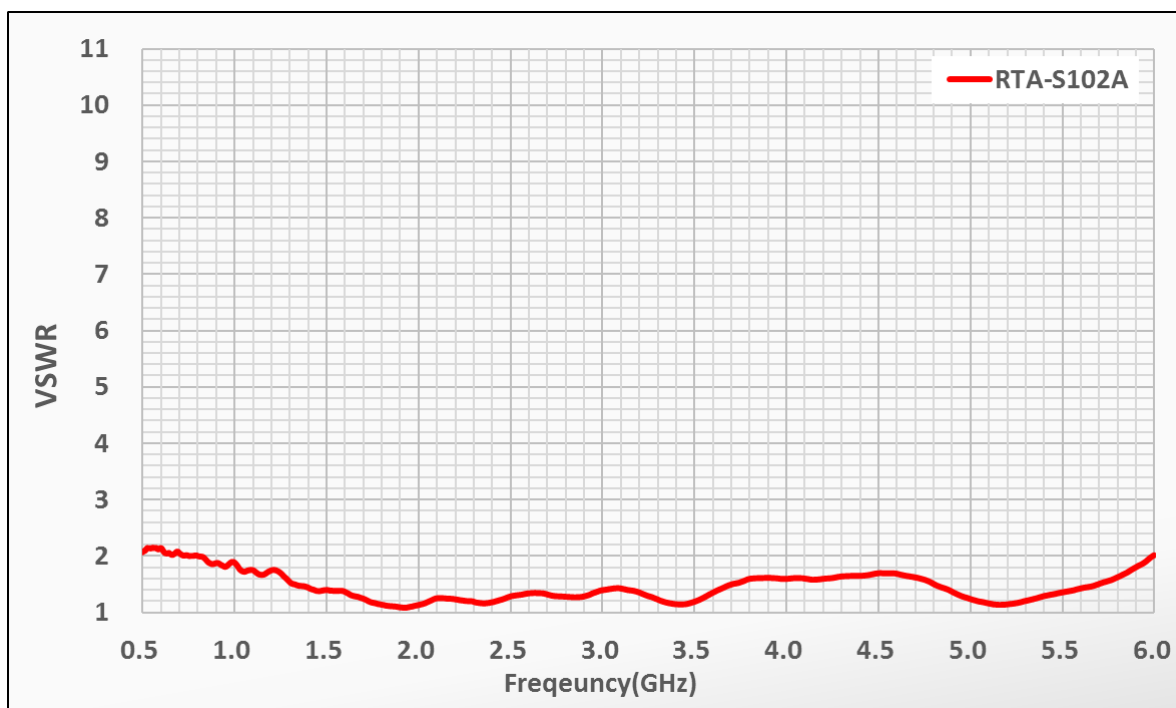
RTA-S102A



Specification

Parameter	Value	Unit	Description
Frequency	0.5 ~ 6.0	GHz	
VSWR	<2.3 @ 0.5 ~ 6.0 GHz	-	
Dimension	250(W) X 280.0mm(D) X 61.9mm (H)	mm	Included connector
Interface	SMA Connector	-	Female

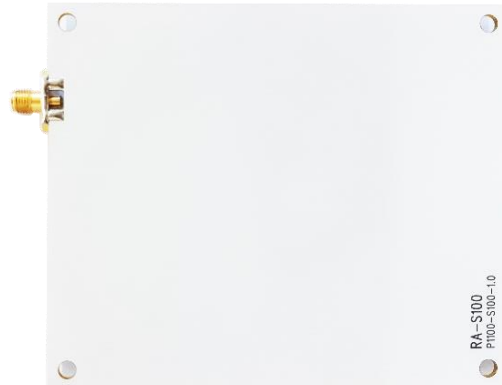
Measurement Data



Product Feature

- Ultra Wide band Antenna
- Circular Polarization (LHCP)
- Flat Antenna

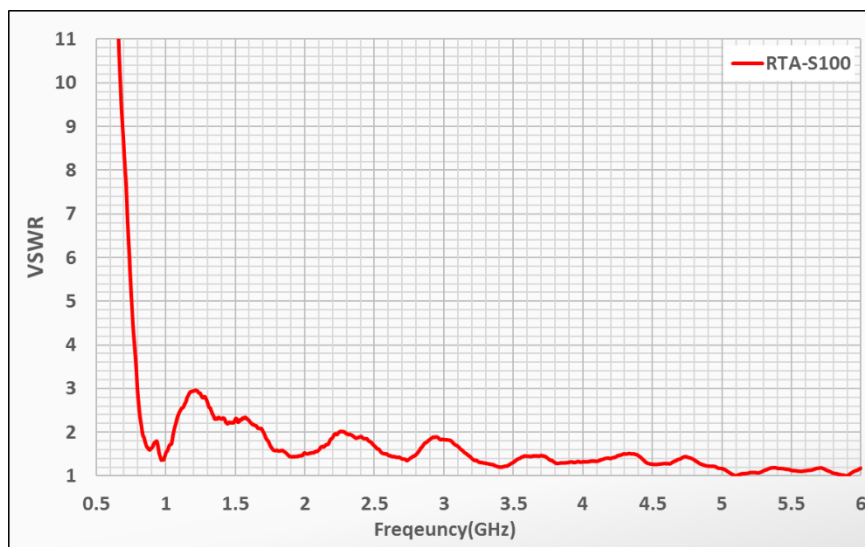
RA-S100



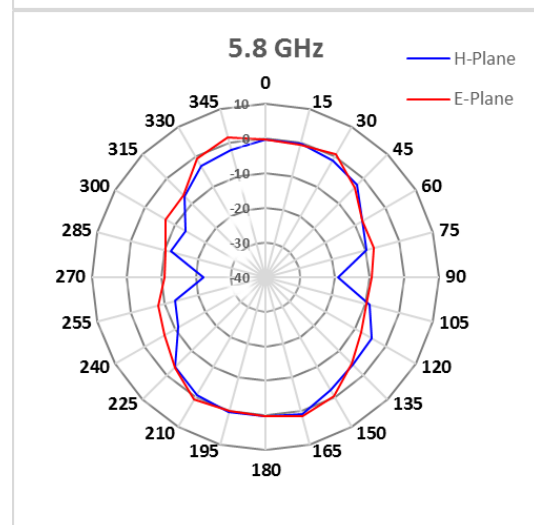
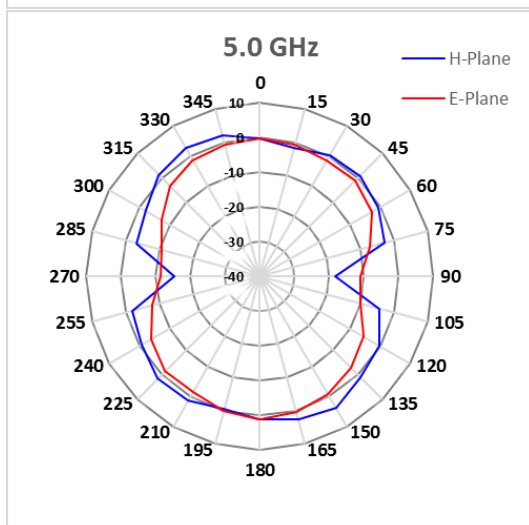
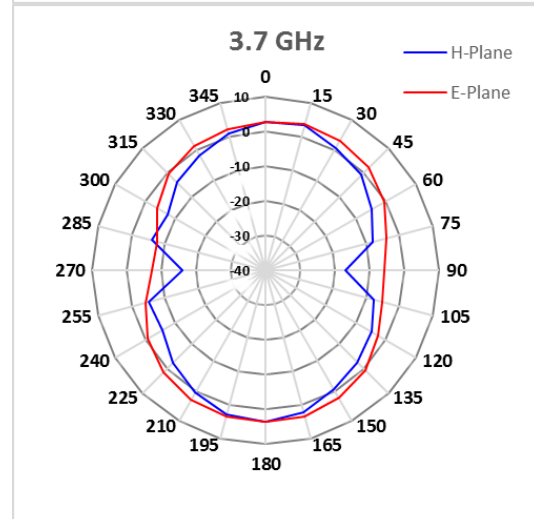
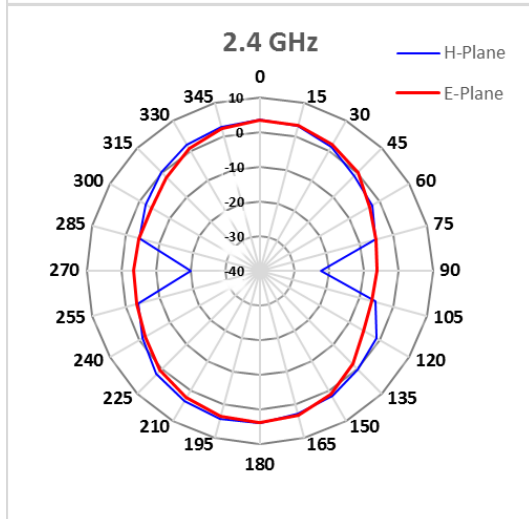
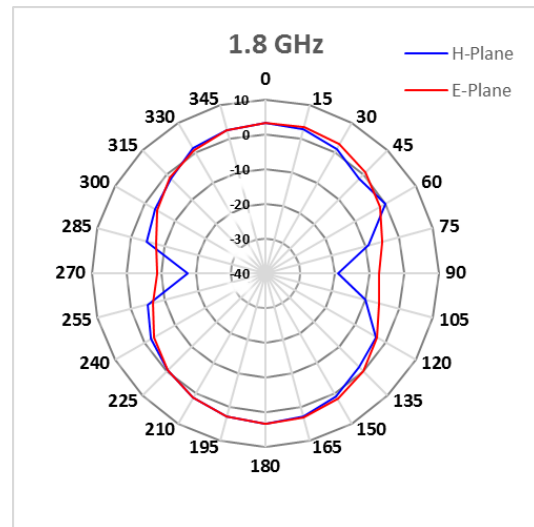
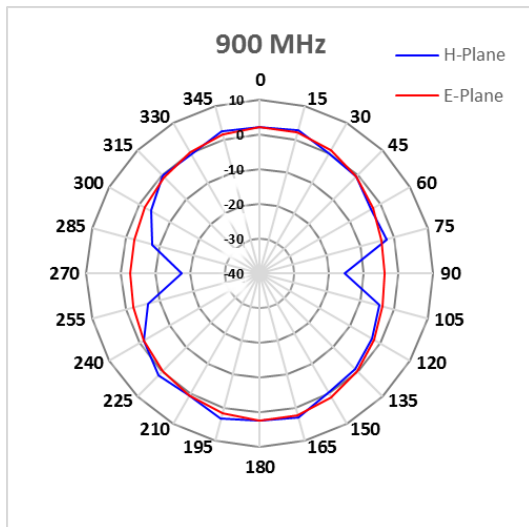
Specification

Parameter	Value	Unit	Description
Frequency	0.8 ~ 6.0	GHz	
VSWR	<3.0 @ 0.8 ~ 1.7 GHz <2.2 @ 2.4 ~ 6.0 GHz	-	
Dimension	100.0mm(W) X 129.5mm(D) X 5.7mm (H)	mm	Included connector
Interface	SMA Connector	-	Female
Gain	3.4 @ 900 MHz 4.2 @ 2.4 GHz 4.7 @ 5.0 GHz	dBi	Max Gain

Measurement Data



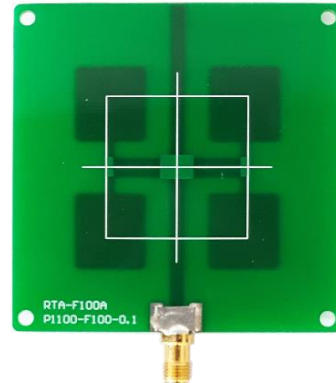
Radiation Pattern



Product Feature

- Wide band Antenna
- Linear Polarization
- Flat Antenna

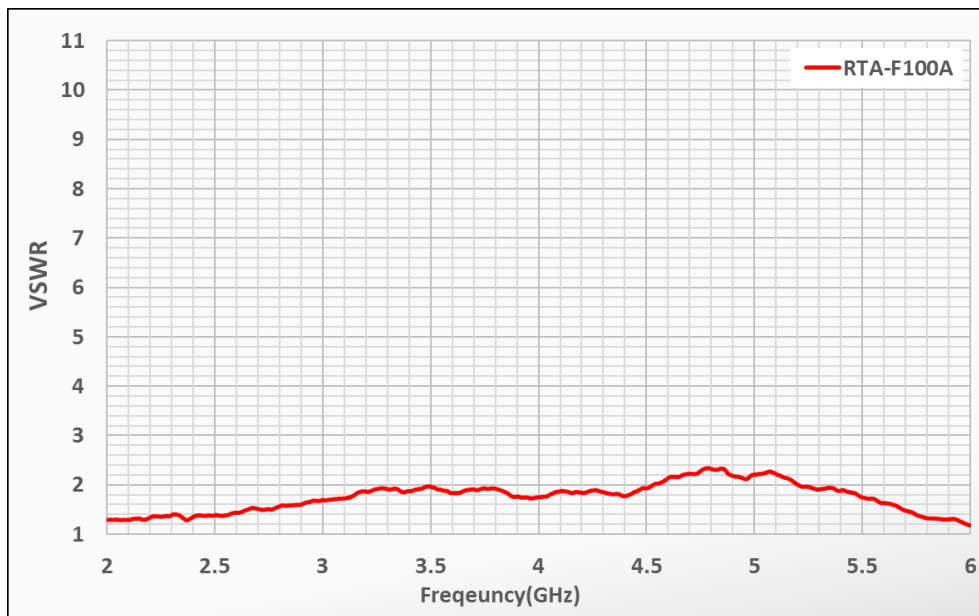
RTA-F100A



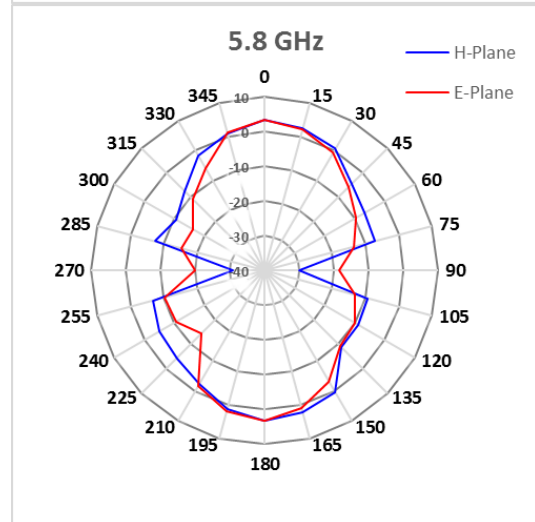
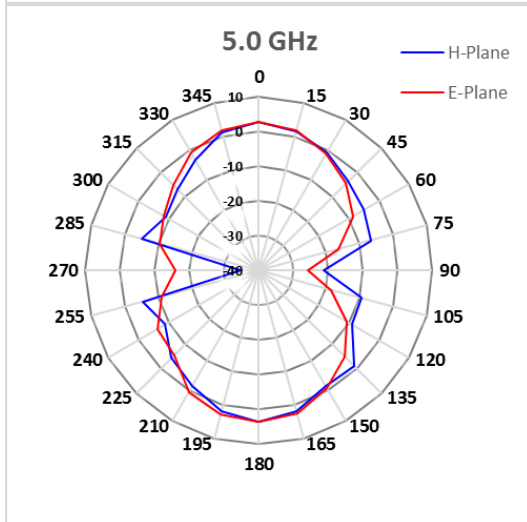
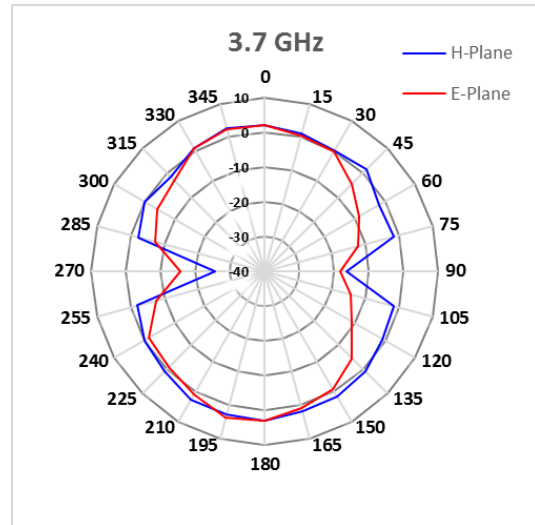
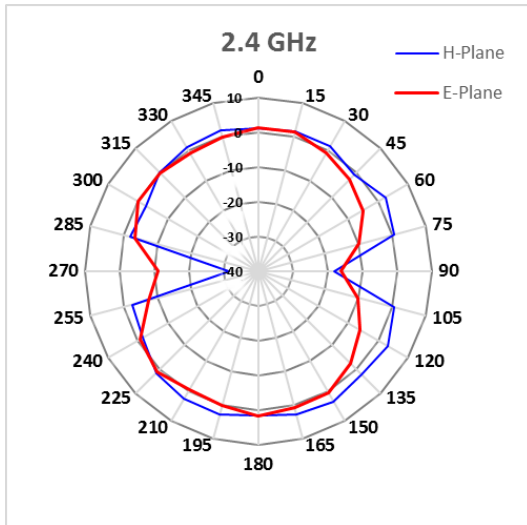
Specification

Parameter	Value	Unit	Description
Frequency	2.0 ~ 6.0	GHz	
VSWR	<2.5 @ 2.0 ~ 6.0 GHz	-	
Dimension	70.0mm(W) X 81.0mm(D) X 6.3mm (H)	mm	Included connector
Interface	SMA Connector	-	Female
Gain	3.4 @ 2.4 GHz 3.6 @ 3.7 GHz 3.5 @ 5.0 GHz	dBi	Max Gain

Measurement Data



Radiation Pattern



Product Feature

- Ultra Wide band Antenna
- Linear Polarization
- Directional Antenna

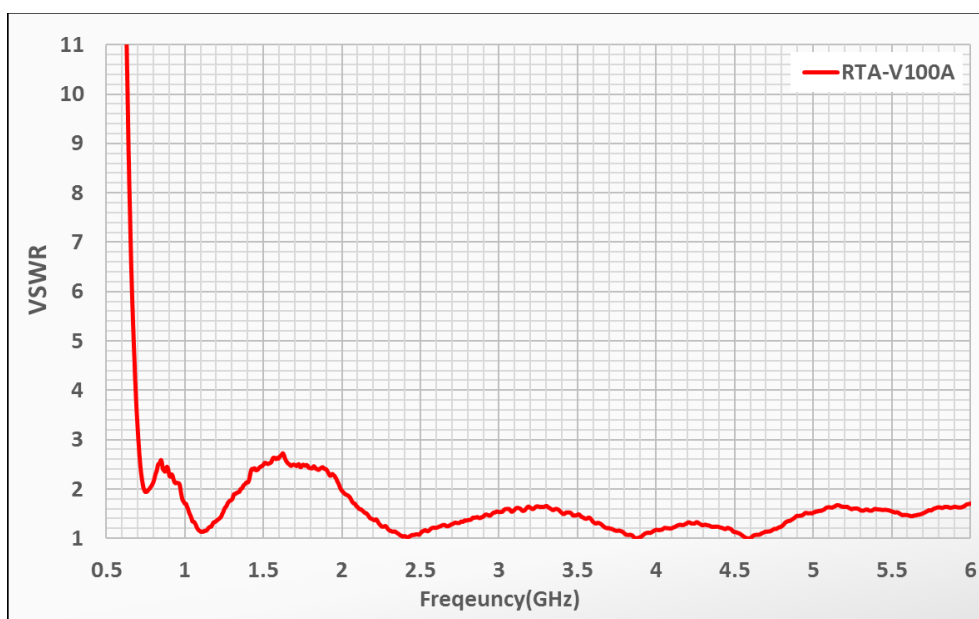
RTA-V100A



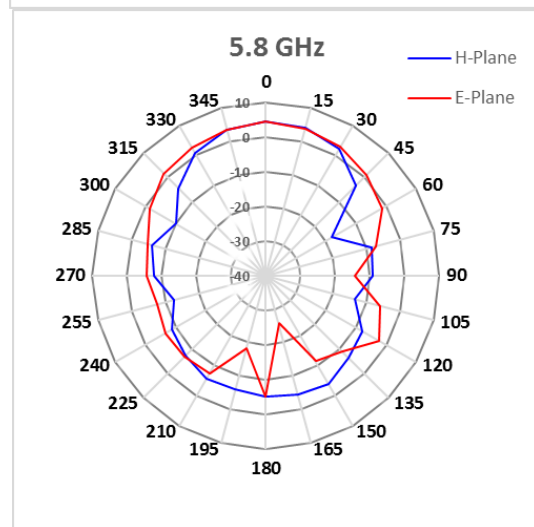
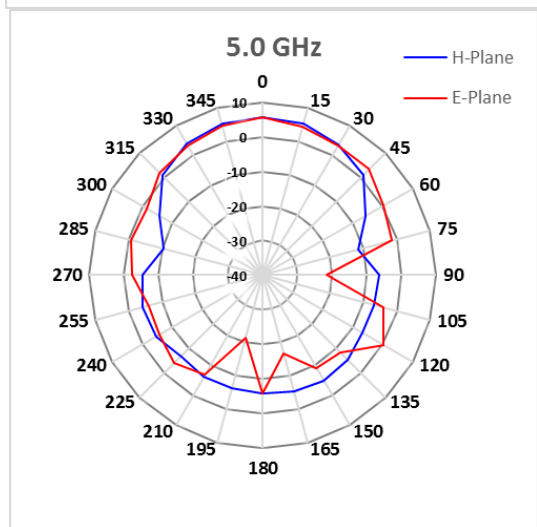
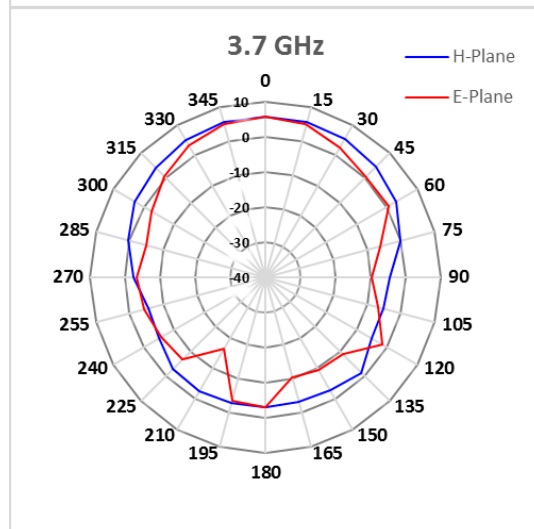
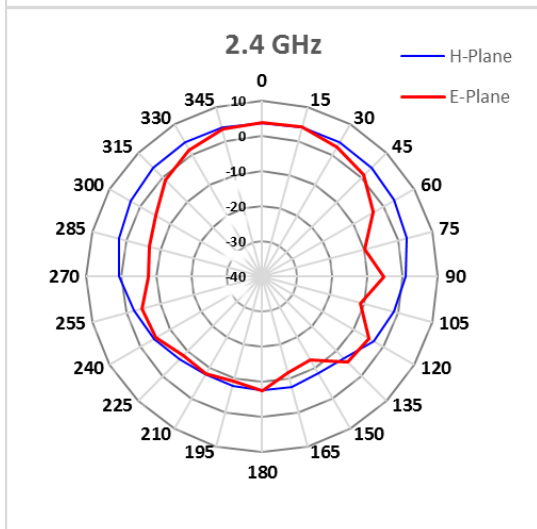
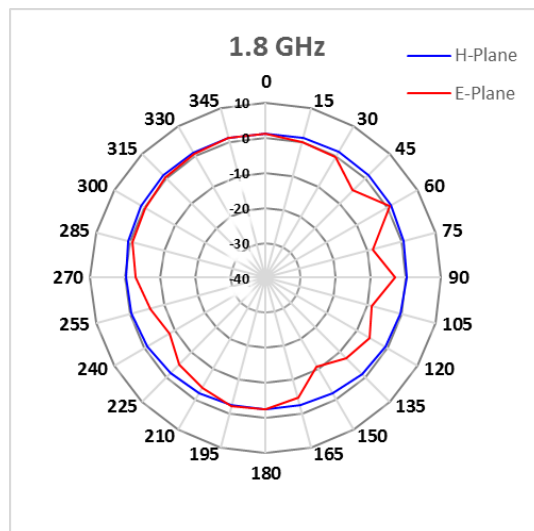
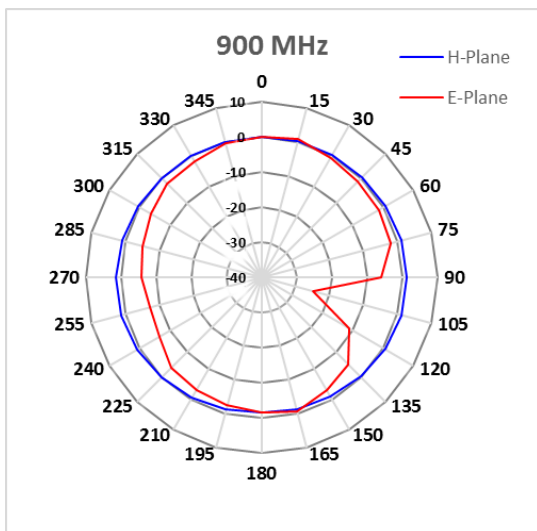
Specification

Parameter	Value	Unit	Description
Frequency	0.7 ~ 6.0	GHz	
VSWR	< 3.0 @ 0.7 ~ 2.0 GHz < 2.0 @ 2.0 ~ 6.0 GHz	-	
Dimension	98mm(W) X 76.4mm(D) X 6.5mm (H)	mm	Included connector
Interface	SMA Connector	-	Female
Gain	2.0 @ 900 MHz 4.1 @ 2.4 GHz 5.6 @ 5.0 GHz	dBi	Max Gain

Measurement Data



Radiation Pattern



Product Feature

- Wide band Antenna
- Linear Polarization
- Directional Antenna

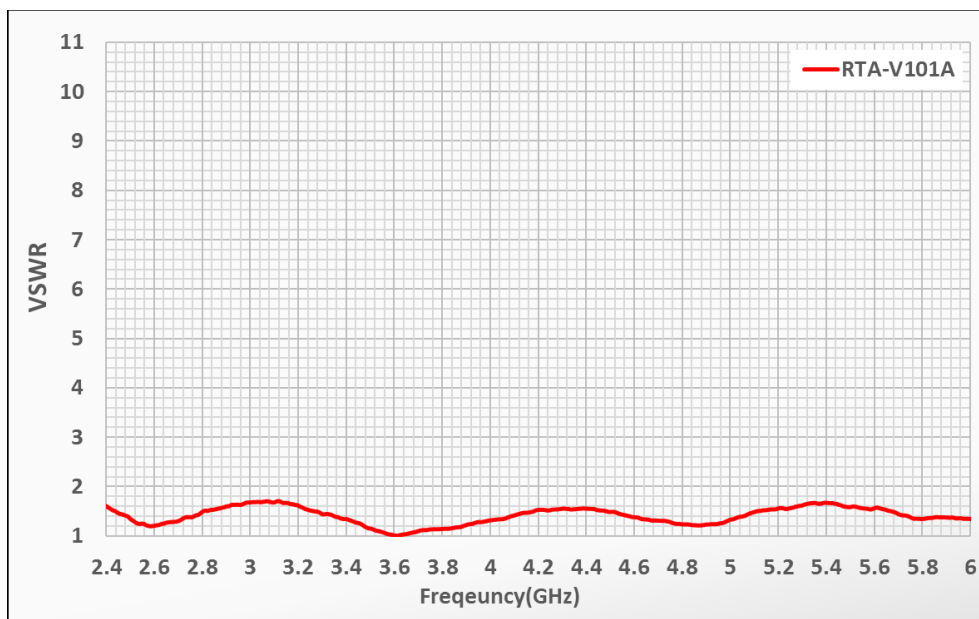
RTA-V101A



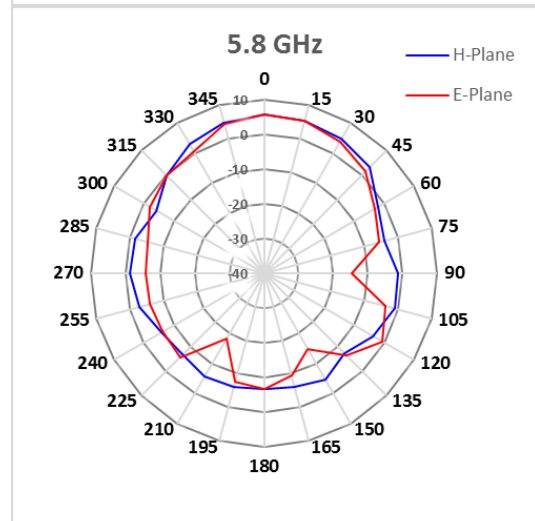
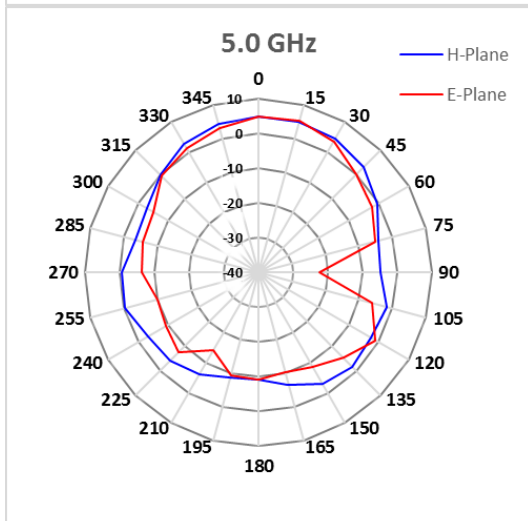
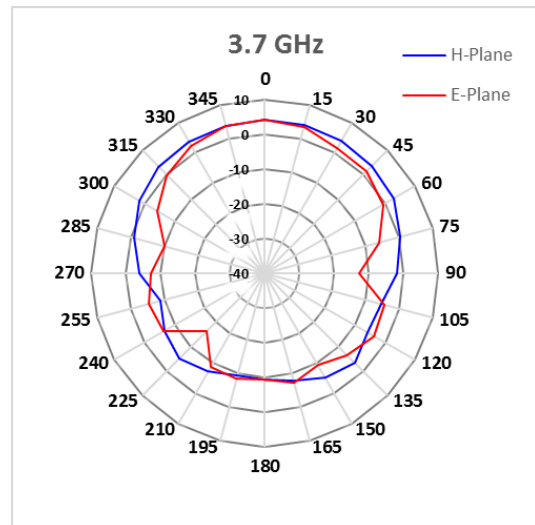
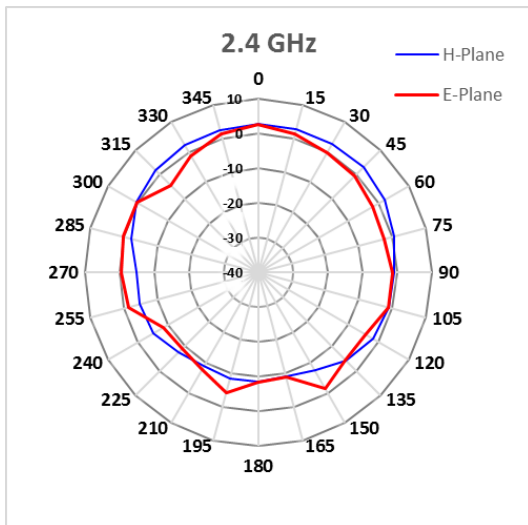
Specification

Parameter	Value	Unit	Description
Frequency	2.4 ~ 6.0	GHz	
VSWR	< 2.1 @ 2.4 ~ 6.0 GHz	-	
Dimension	74.4mm(W) X 66.0mm(D) X 6.5mm (H)	mm	Included connector
Interface	SMA Connector	-	Female
Gain	2.9 @ 2.4 GHz 4.1 @ 3.7 GHz 5.3 @ 5.0 GHz	dBi	Max Gain

Measurement Data



Radiation Pattern



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** Specification of antenna can be updated without prior notice **