

Antenna type : Dipole

RFA-27-C2-B-C1035-1

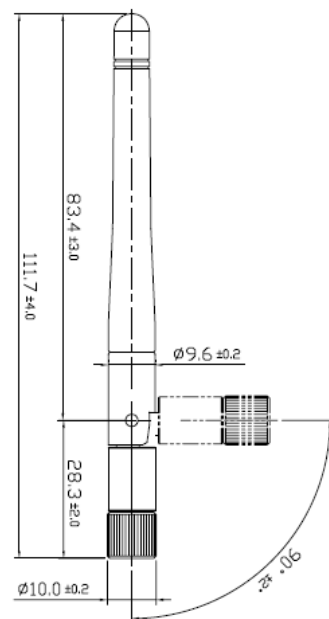
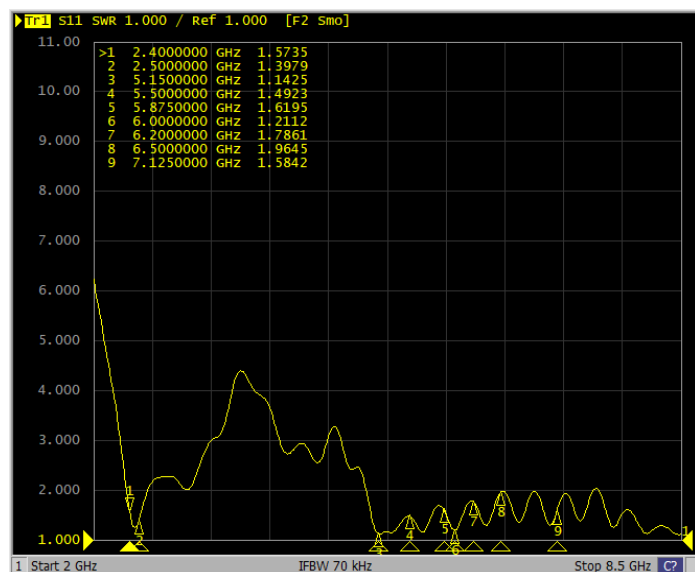
Specifications

Antenna			
Frequency range	2400-2500 MHz	5150-5895 MHz	5925-7125 MHz
Peak gain	1.91 dBi	2.84 dBi	2.43 dBi
VSWR	2.0 : 1 Max.	2.0 : 1 Max.	3.0 : 1 Max.
Polarization	Linear, vertical		
Impedance	50 Ω		
Connector	RP SMA PLUG		
Antenna cable			
Connector	RP SMA JACK / IPEX MHF1		
Cable	Ø1.13		
Length	200mm		

Environmental & Mechanical Characteristics

Temperature	-10°C to +55°C
Humidity	95% @ 25°C

VSWR

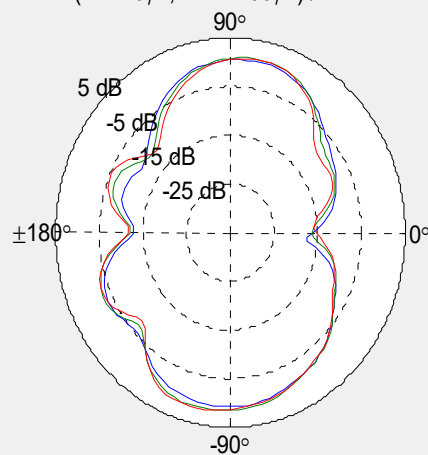
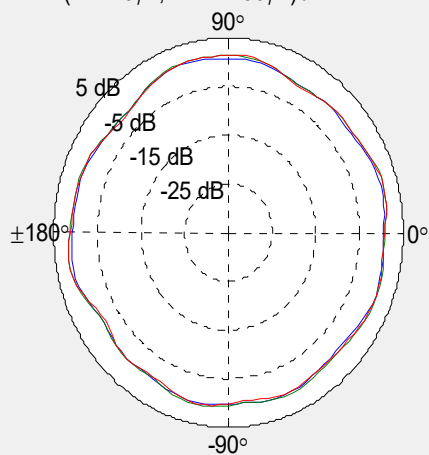
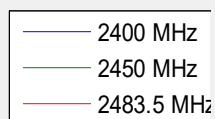


Radiation Pattern

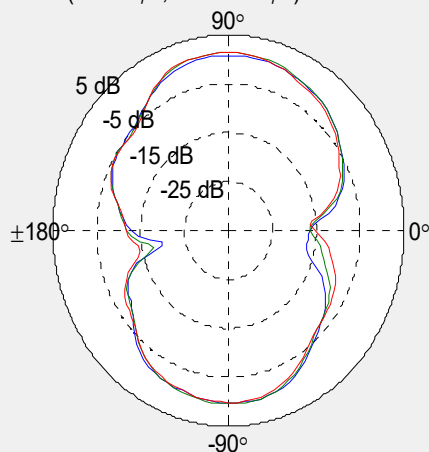
2G Band = 2400 - 2500 MHz % 2G BAND

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X

ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X

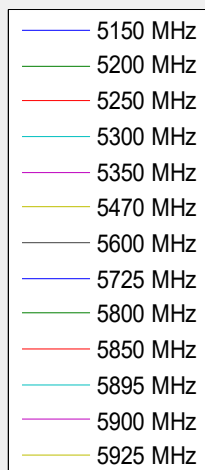


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

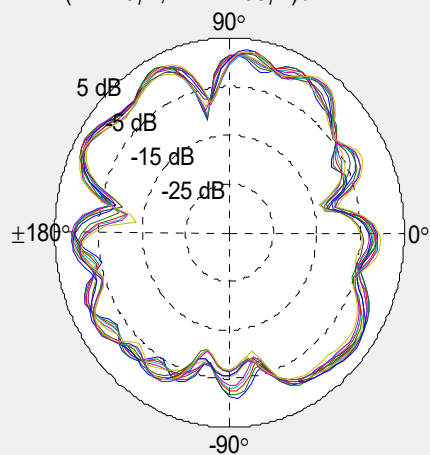


Radiation Pattern

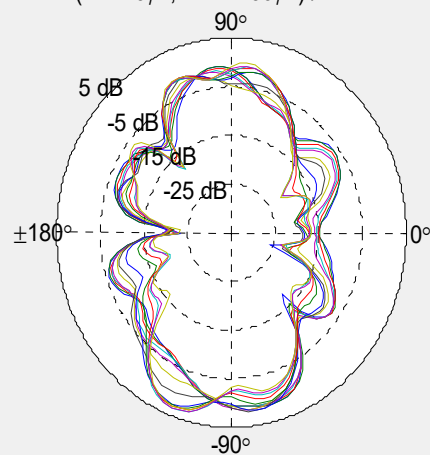
5G Band = 4900 - 5975 MHz



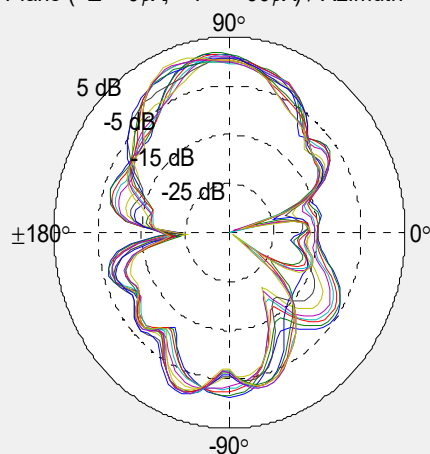
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X



YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

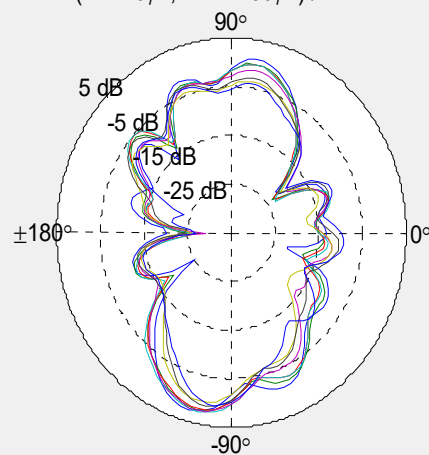
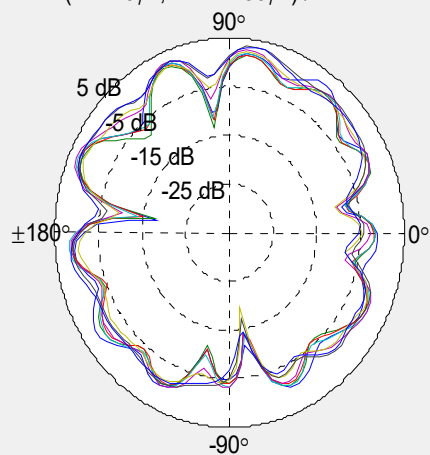
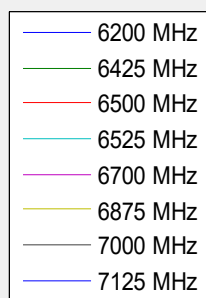


Radiation Pattern

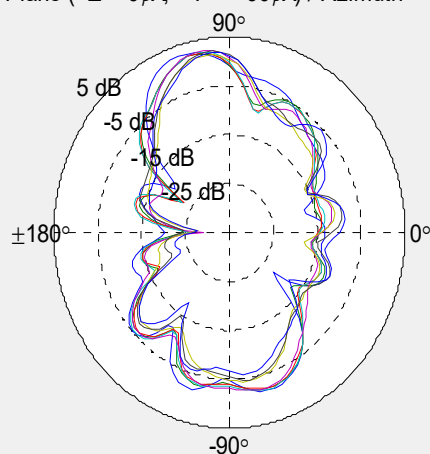
6G Band = 6000 - 8500 MHz

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X

ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X



YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X



Gain Table

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400.00	61.22	-2.13	1.45
2450.00	66.05	-1.80	1.86
2483.50	63.04	-2.00	1.91
5150.00	60.59	-2.18	2.39
5200.00	60.95	-2.15	2.40
5250.00	59.55	-2.25	2.25
5300.00	58.29	-2.34	2.16
5350.00	59.42	-2.26	2.48
5470.00	57.61	-2.39	2.34
5600.00	67.07	-1.73	2.32
5725.00	73.07	-1.36	2.84
5800.00	69.89	-1.56	2.60
5850.00	72.79	-1.38	2.59
5895.00	67.39	-1.71	2.69
5925.00	61.70	-2.10	2.01
6200.00	60.28	-2.20	2.43
6425.00	59.31	-2.27	1.68
6500.00	56.60	-2.47	1.38
6525.00	54.83	-2.61	1.45
6700.00	58.95	-2.29	1.64
6875.00	53.37	-2.73	1.45
7000.00	49.03	-3.10	1.18
7125.00	52.46	-2.80	1.36



