

Antenna type is Monopole

Wi-Fi 6E Antenna

RFA-27-JP378-4B-200

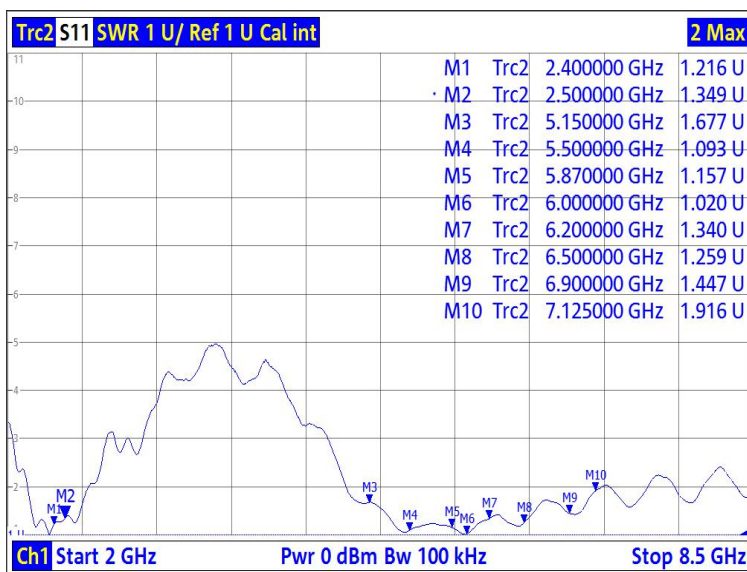
Specifications

Frequency	2400-2500 MHz	5150-7125 MHz
Peak gain	3.38 dBi	4.86 dBi
Average gain	-1.18 dBi	-1.46 dBi
VSWR	2.0 : 1 Max.	2.0 : 1 Max.
Polarization	Linear, vertical	
Impedance	50 Ω	
Dimensions	32x20mm	
Antenna Material	FR4	
Connector	IPEX MHF4	
Cable	$\varnothing$ 1.13 L:200mm	

Environment & Mechanical Characteristics

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

VSWR

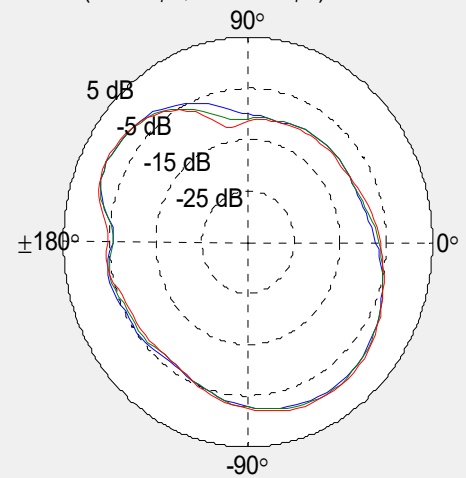
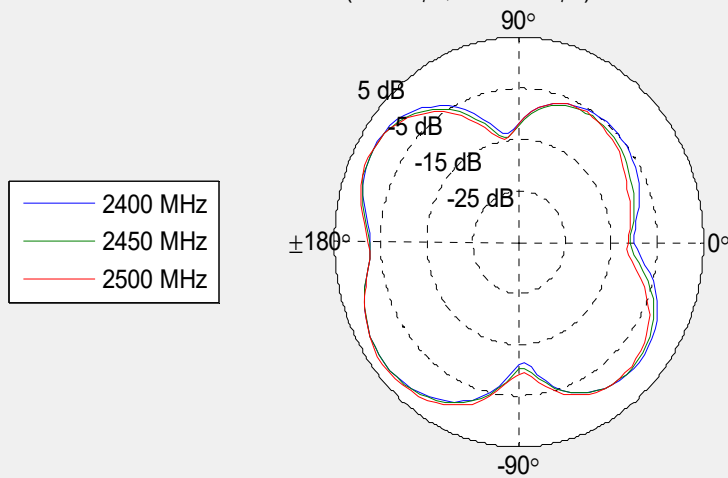


Radiation Pattern

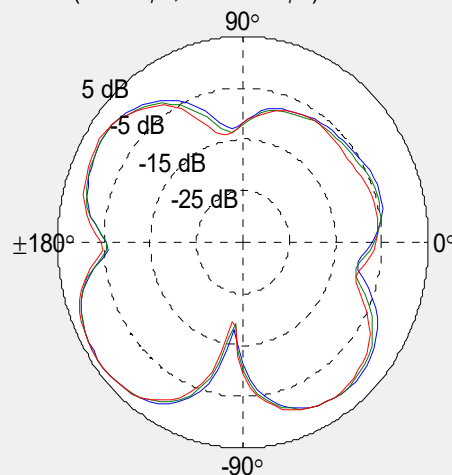
2G Band = 2400 - 2500 MHz % 2G BAND

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

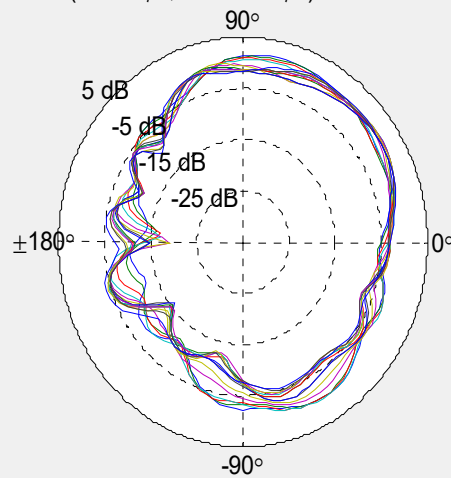


Radiation Pattern

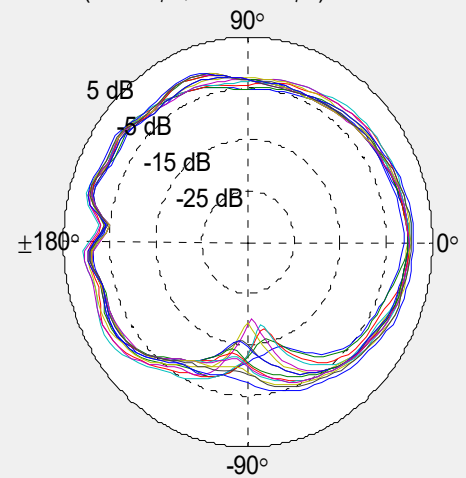
5G Band = 5100 - 5975 MHz

- 5150 MHz
- 5210 MHz
- 5290 MHz
- 5350 MHz
- 5475 MHz
- 5530 MHz
- 5600 MHz
- 5610 MHz
- 5690 MHz
- 5725 MHz
- 5750 MHz
- 5765 MHz
- 5825 MHz
- 5875 MHz
- 5975 MHz

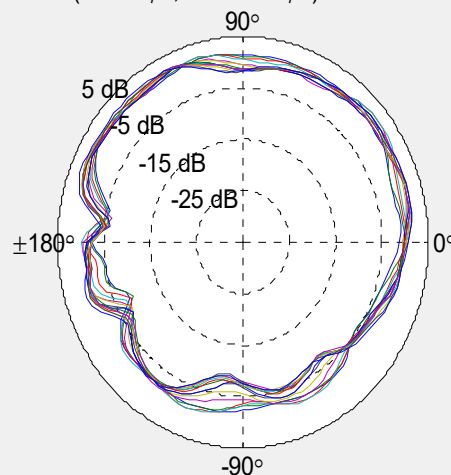
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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

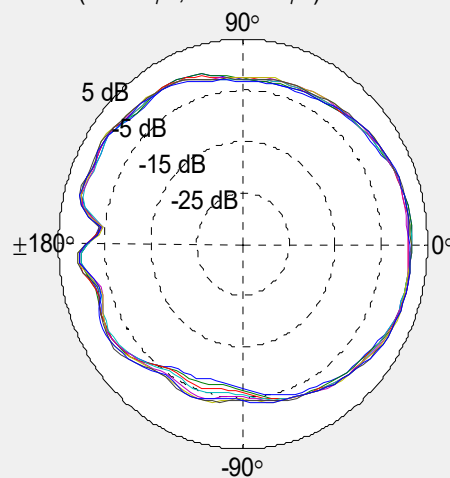
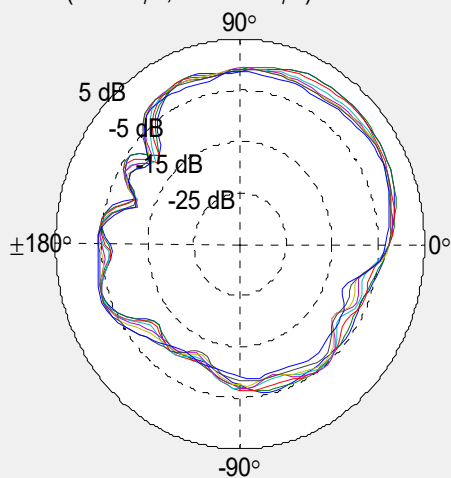
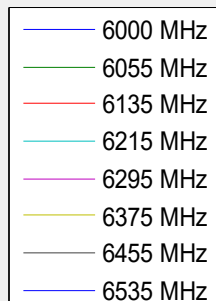


Radiation Pattern

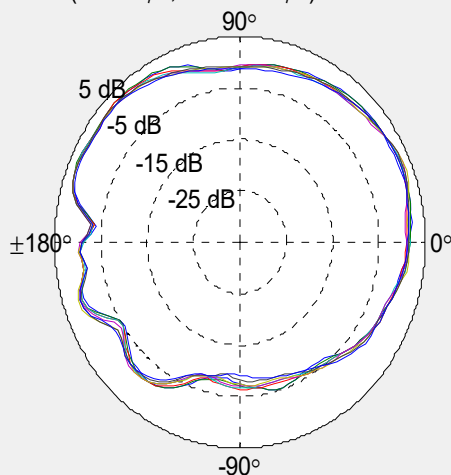
6G Band-1 = 6000 - 6550 MHz % 2G BAND

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

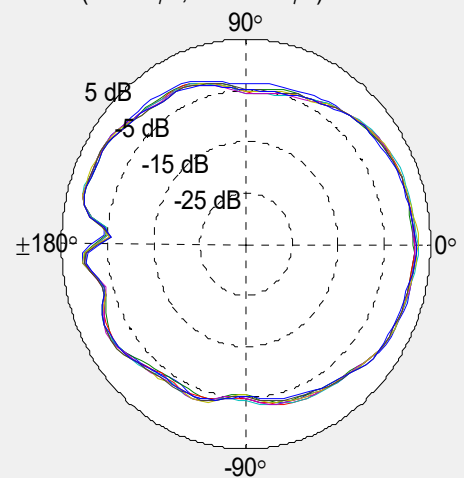
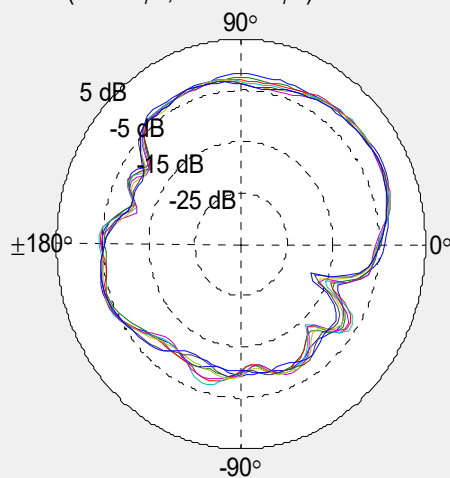
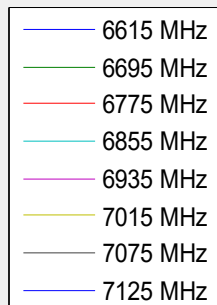


Radiation Pattern

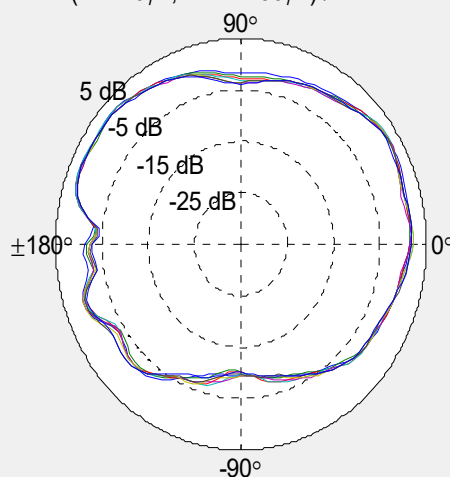
6G Band-2 = 6600 - 8500 MHz

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)	Peak Gain
2400.00	3.35
2450.00	3.26
2500.00	3.38

Frequency (MHz)	Peak Gain
5150.00	4.70
5210.00	4.73
5290.00	4.81
5350.00	4.71
5475.00	4.46
5530.00	4.34
5600.00	4.56
5610.00	4.62
5690.00	4.17
5725.00	4.78
5750.00	4.17
5765.00	4.30
5825.00	4.57
5875.00	4.36
5975.00	4.53
6000.00	4.84
6055.00	4.75
6135.00	4.69
6215.00	4.54
6295.00	4.63
6375.00	4.77
6455.00	4.78
6535.00	4.67
6615.00	4.60
6695.00	4.43
6775.00	4.58
6855.00	4.86
6935.00	4.57
7015.00	4.84
7075.00	4.71
7125.00	4.58

