

Antenna type is Monopole

Wi-Fi 6E Antenna

RFA-27-JP378-4B-200

Specifications

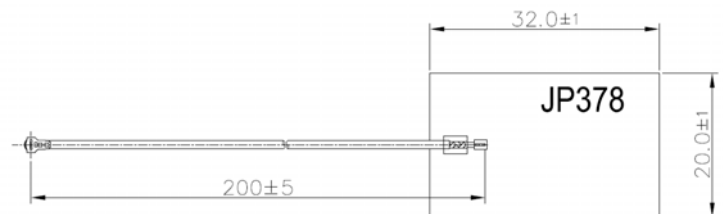
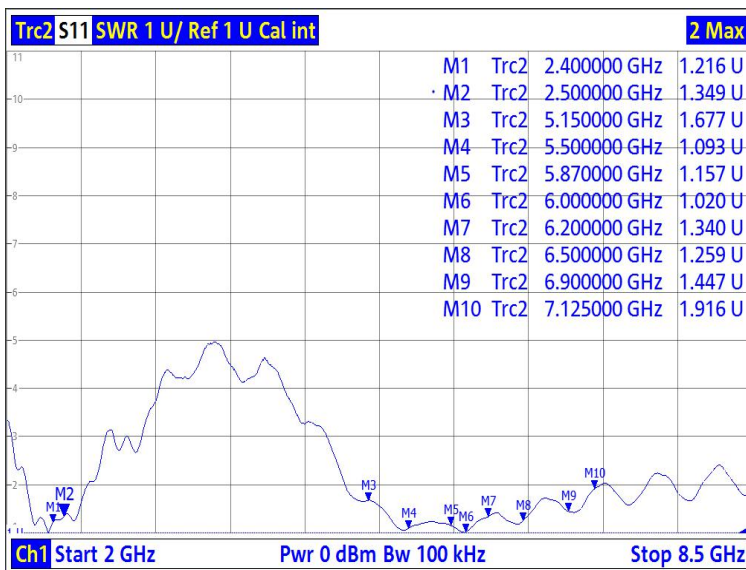
Frequency	2400-2500 MHz	5150-7125 MHz
Peak gain	3.38 dBi	4.86 dBi
Average gain	-1.18 dBi	-1.46 dBi
VSWR	2.0 : 1 Max.	2.0 : 1 Max.
Polarization	Linear, vertical	
Impedance	50 Ω	
Dimensions	32x20mm	
Antenna Material	FR4	
Connector	IPEX MHF4	
Cable	Ø1.13 L:200mm	



Environment & Mechanical Characteristics

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

VSWR

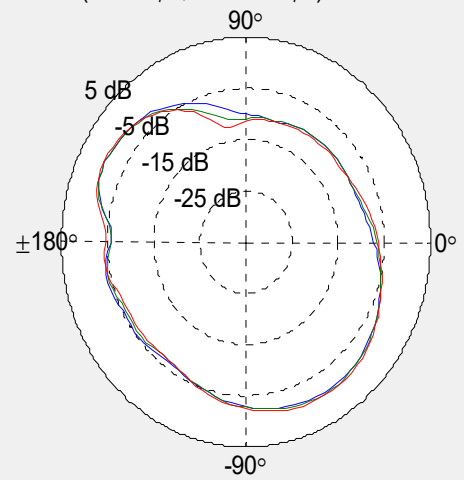
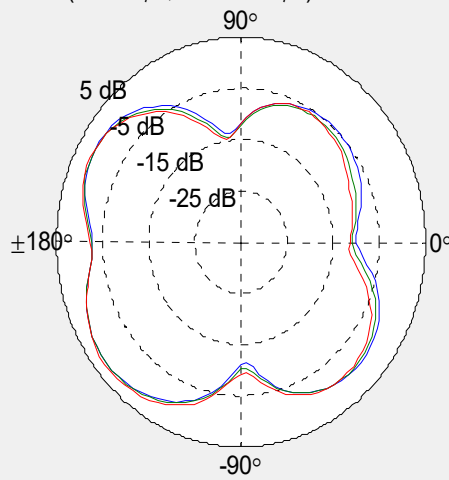
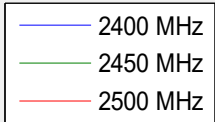


Radiation Pattern

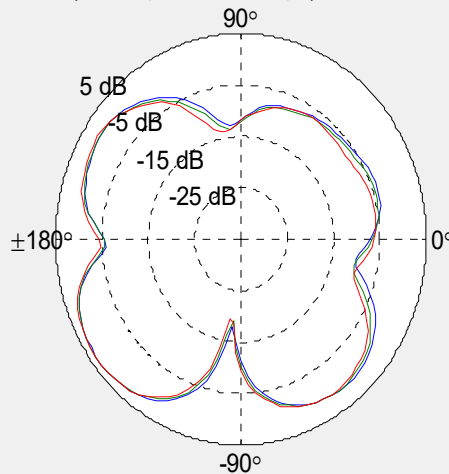
2G Band = 2400 - 2500 MHz % 2G BAND

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

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



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

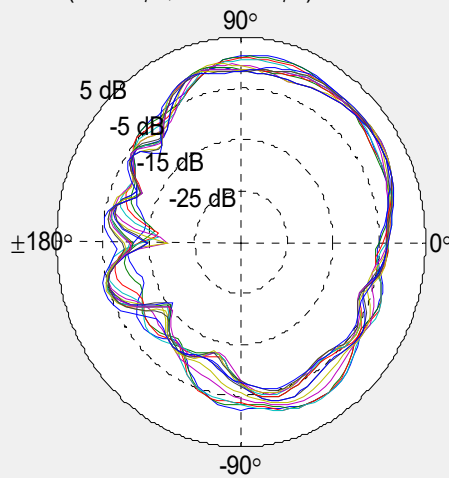


Radiation Pattern

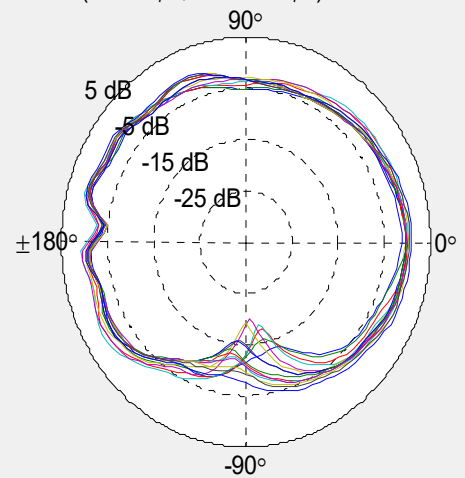
5G Band = 5100 - 5975 MHz

- 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

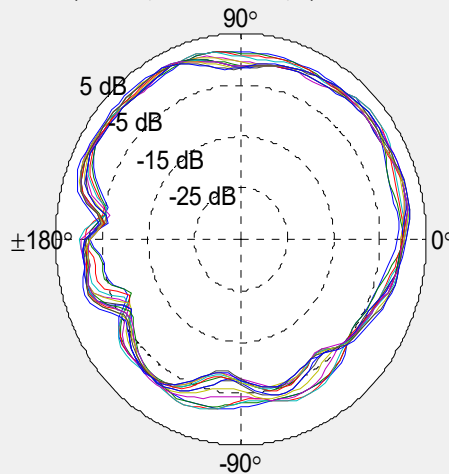
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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



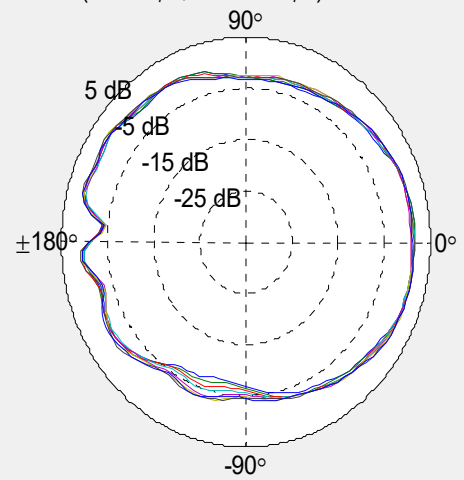
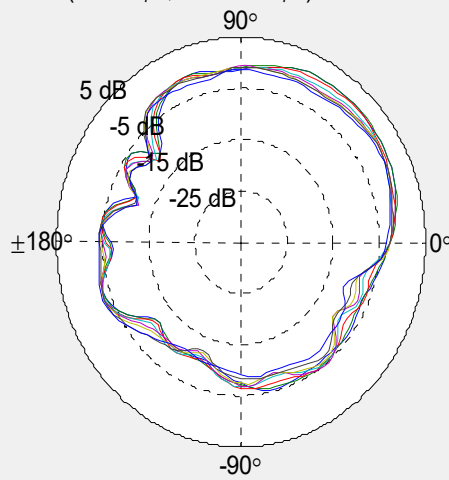
Radiation Pattern

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

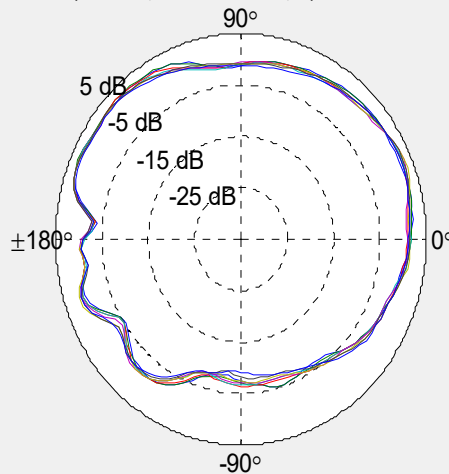
XY Plane (+X = 0φX, +Y = +90φX) / Elevation = 90 φX

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

- 6000 MHz
- 6055 MHz
- 6135 MHz
- 6215 MHz
- 6295 MHz
- 6375 MHz
- 6455 MHz
- 6535 MHz



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



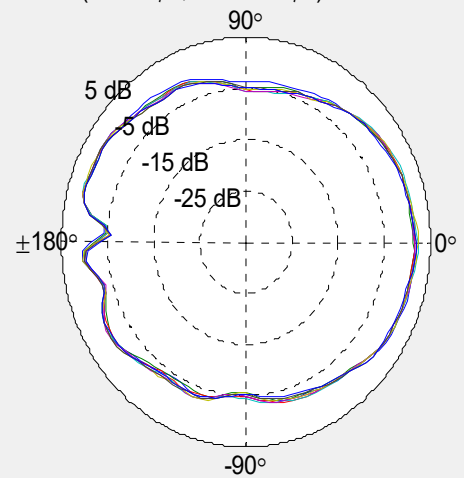
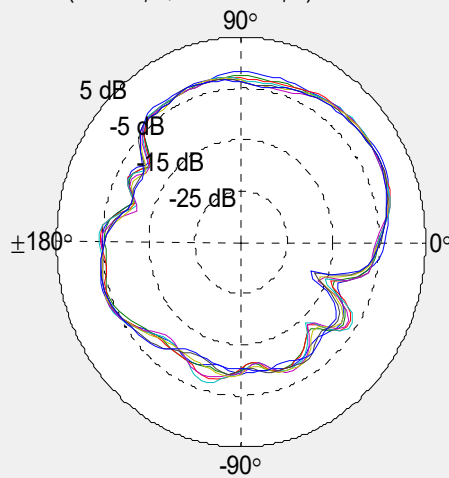
Radiation Pattern

6G Band-2 = 6600 - 8500 MHz

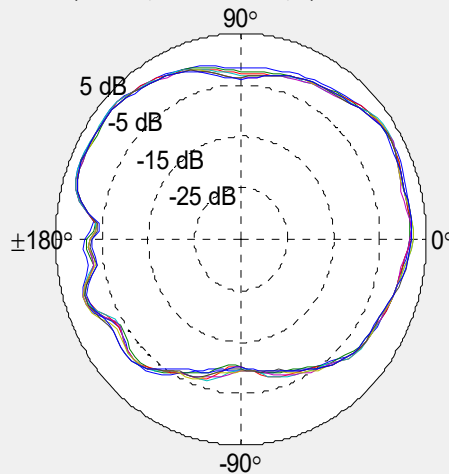
XY Plane (+X = 0φX, +Y = +90φX) / Elevation = 90 φX

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

- 6615 MHz
- 6695 MHz
- 6775 MHz
- 6855 MHz
- 6935 MHz
- 7015 MHz
- 7075 MHz
- 7125 MHz



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



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



