

Antenna type is PIFA

Wi-Fi 6 Antenna

RFA-27-JP326-C198

Specifications

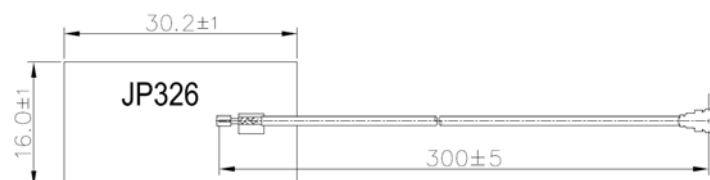
Frequency	2400-2500 MHz	5150-7125 MHz
Peak gain	3.5 dBi	5 dBi
Average gain	-2.04 dBi	-2.4 dBi
VSWR	2.0 : 1 Max.	2.0 : 1 Max.
Polarization	Linear, vertical	
Impedance	50 Ω	
Dimensions	30.2x16mm	
Antenna Material	FR4	
Connector	IPEX	
Cable	$\varnothing$ 1.13 L:300mm	



Environment & Mechanical Characteristics

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

VSWR

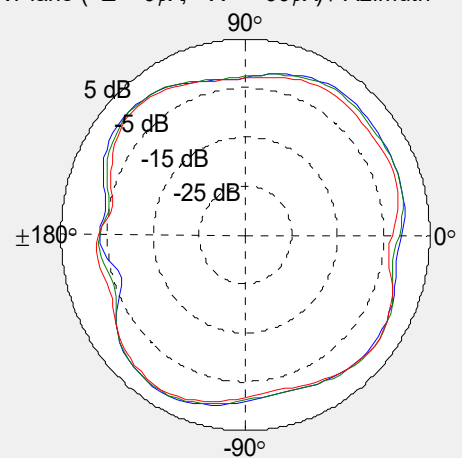
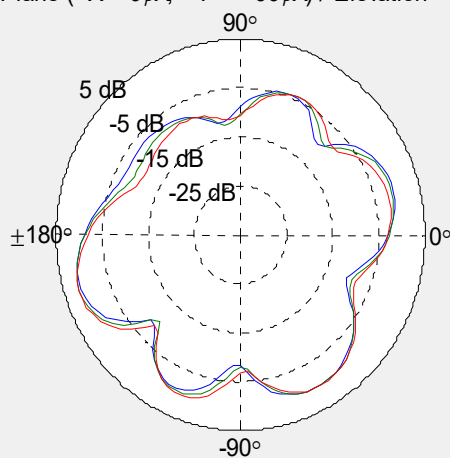
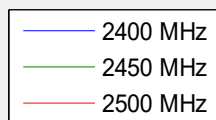


Radiation Pattern

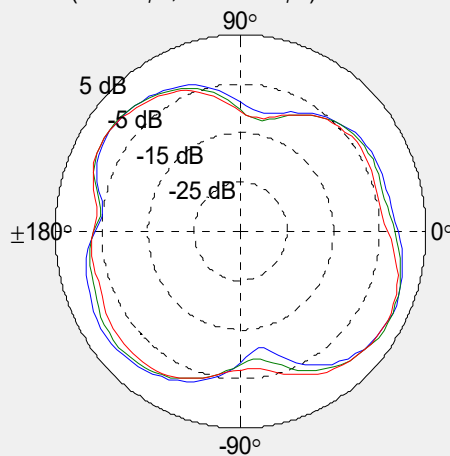
2G Band = 2400 - 2500 MHz % 2G BAND

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

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

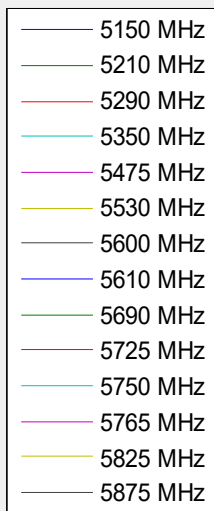


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

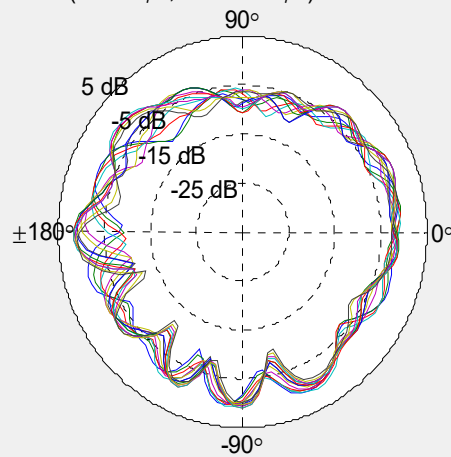


Radiation Pattern

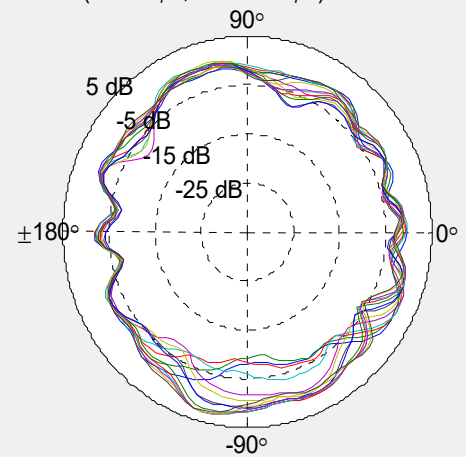
5G Band = 5150 - 5900 MHz



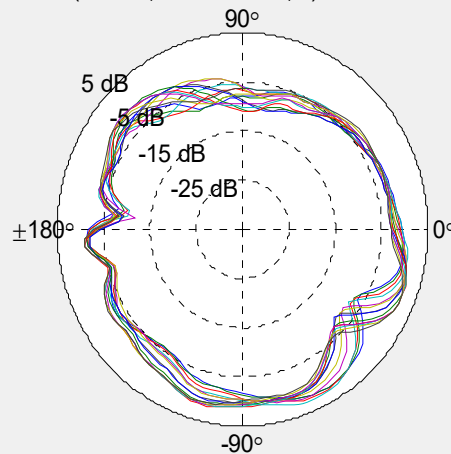
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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

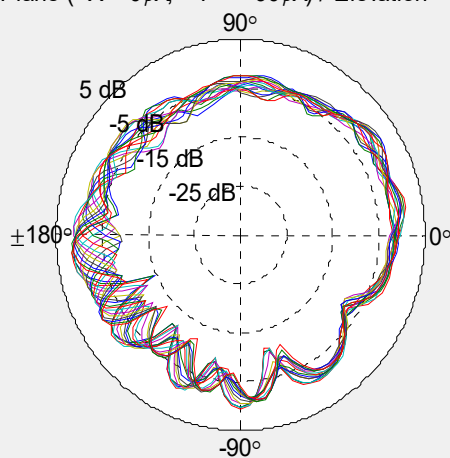


Radiation Pattern

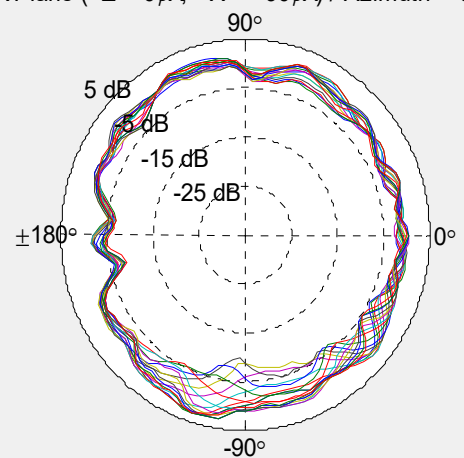
6G Band = 5901 - 8500 MHz % 2G BAND

- 6000 MHz
- 6055 MHz
- 6135 MHz
- 6215 MHz
- 6295 MHz
- 6375 MHz
- 6455 MHz
- 6535 MHz
- 6615 MHz
- 6695 MHz
- 6775 MHz
- 6855 MHz
- 6935 MHz
- 7015 MHz
- 7075 MHz

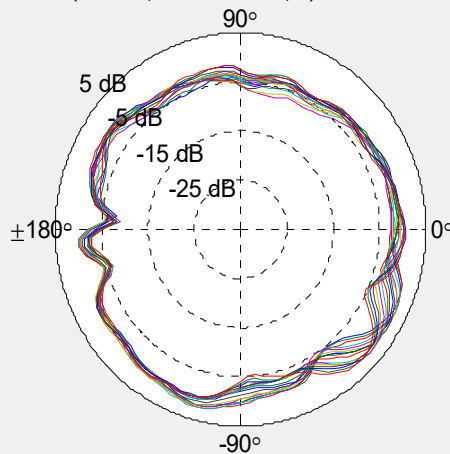
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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 (dBi)
2400.00	3.50
2450.00	3.46
2500.00	3.32

Frequency (MHz)	Peak Gain (dBi)
5150.00	5.00
5210.00	4.41
5290.00	4.25
5350.00	5.00
5475.00	4.65
5530.00	4.19
5600.00	4.37
5610.00	4.44
5690.00	4.23
5725.00	4.85
5750.00	4.56
5765.00	4.42
5825.00	4.38
5875.00	4.29
5975.00	4.77
6000.00	4.86
6055.00	5.00
6135.00	5.00
6215.00	4.19
6295.00	4.08
6375.00	3.69
6455.00	3.44
6535.00	3.47
6615.00	3.74
6695.00	3.59
6775.00	3.72
6855.00	3.72
6935.00	3.82
7015.00	3.77
7075.00	3.94
7125.00	3.83



