

Antenna type is Monopole

Wi-Fi 6E Antenna

RFA-27-JP378-4B-200

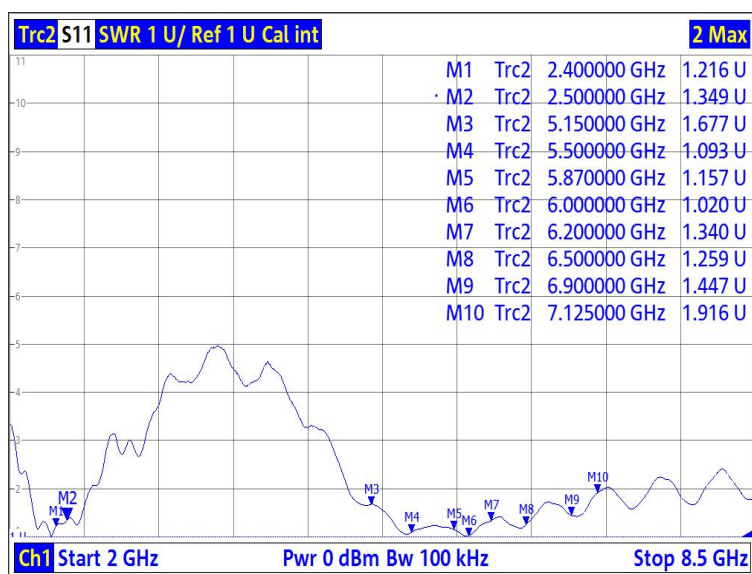
### Specifications

|                  |                            |               |
|------------------|----------------------------|---------------|
| 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 $\Omega$                |               |
| 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

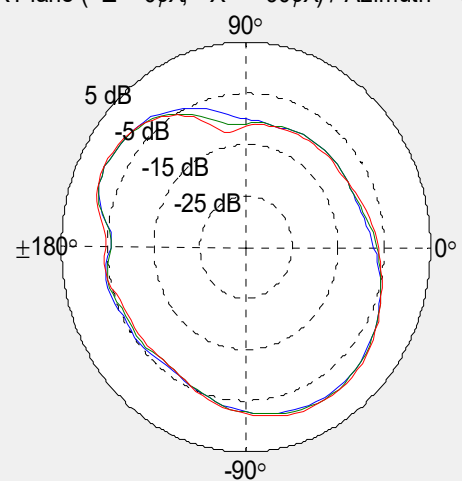
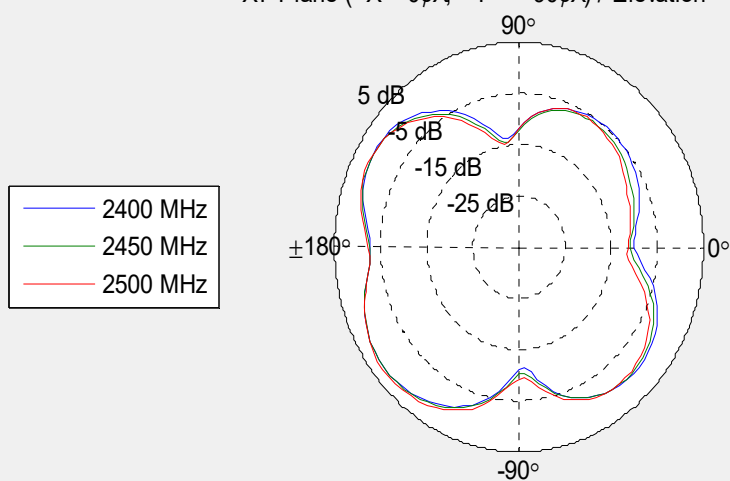


## Radiation Pattern

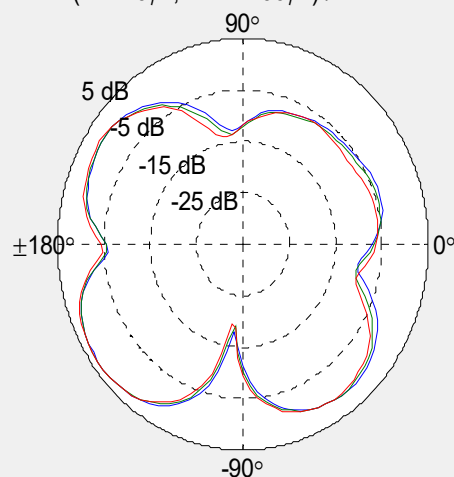
2G Band = 2400 - 2500 MHz % 2G BAND

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

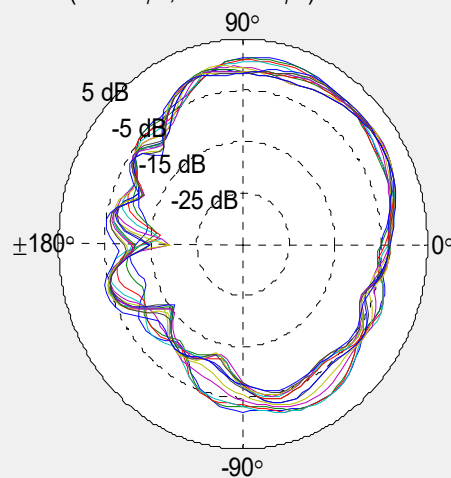


## Radiation Pattern

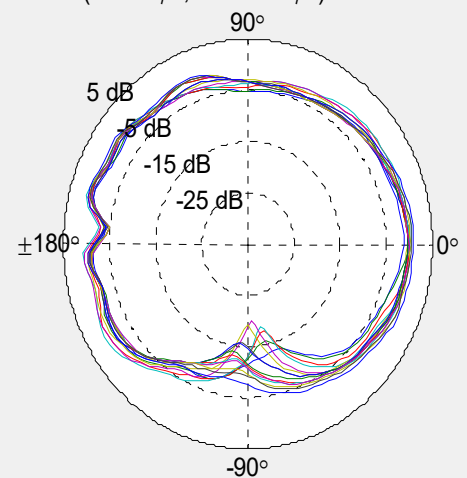
5G Band = 5100 - 5975 MHz

- 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

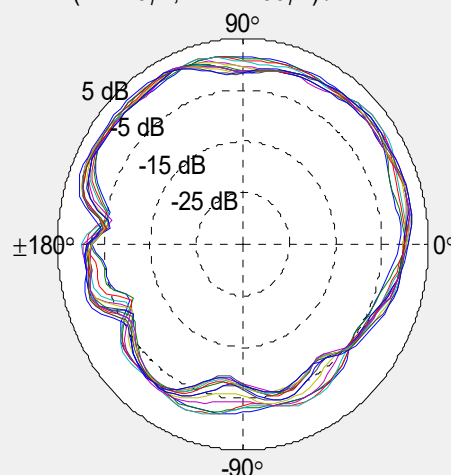
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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

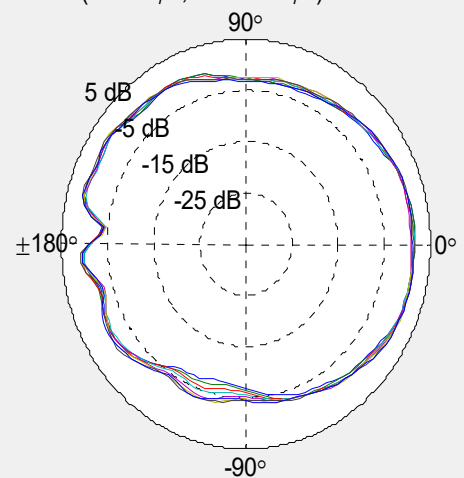
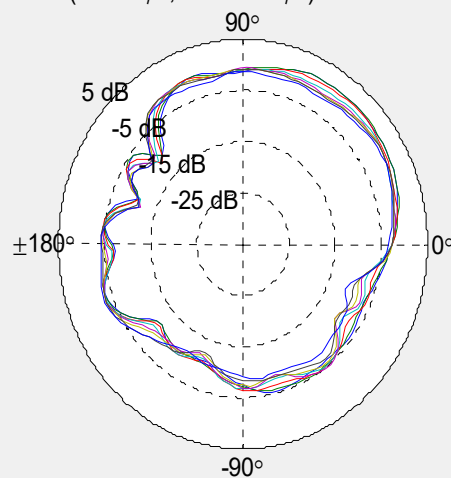
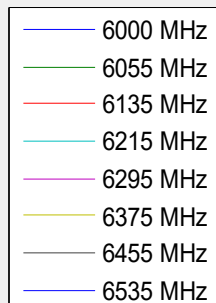


## Radiation Pattern

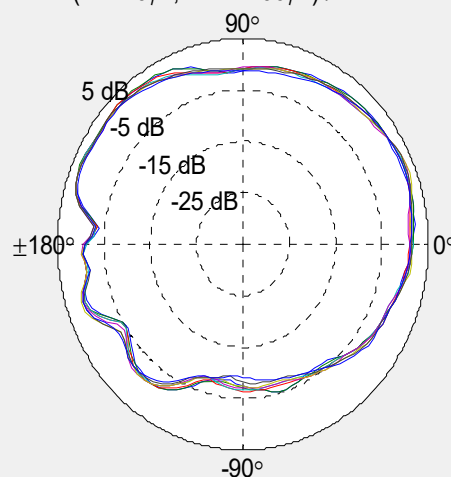
6G Band-1 = 6000 - 6550 MHz % 2G BAND

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

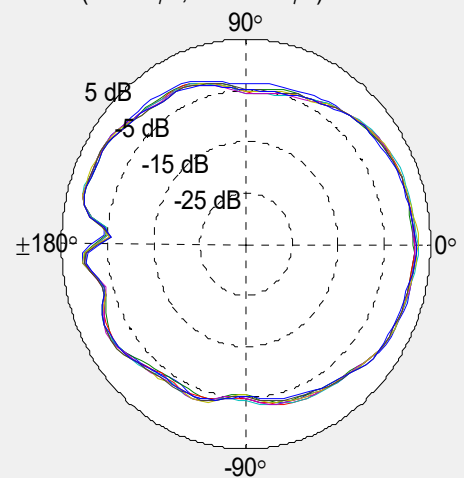
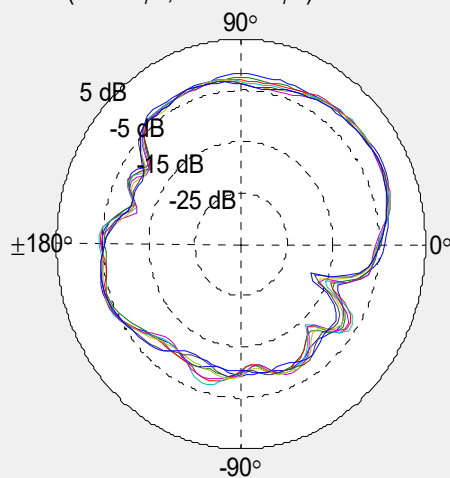
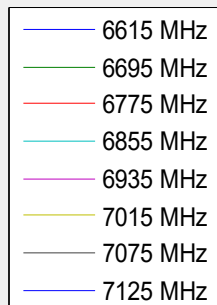


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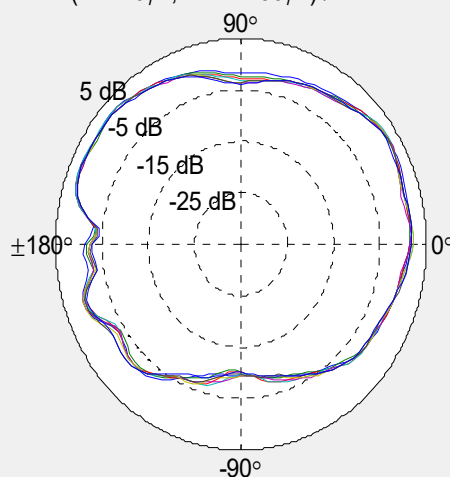
6G Band-2 = 6600 - 8500 MHz

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      |

