

Antenna type is PIFA

Revise2

### RFA-57-JP805-4B-300

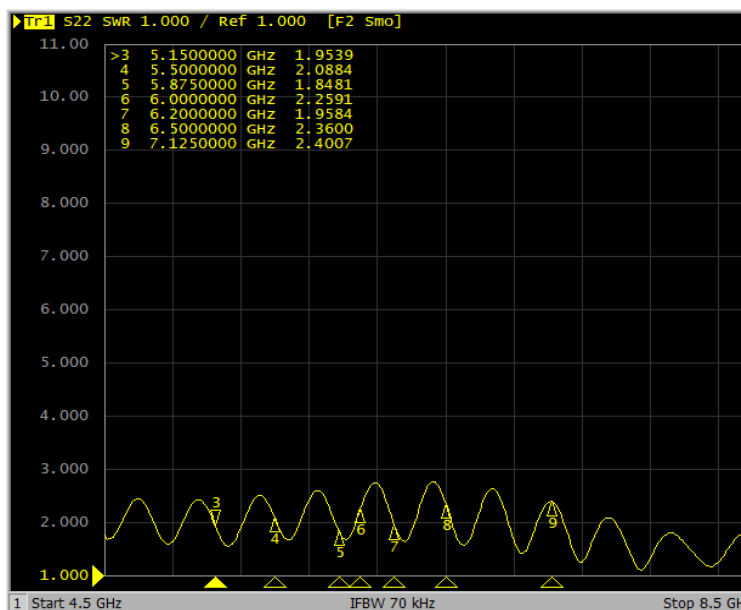
#### Specifications

|                  |                  |               |
|------------------|------------------|---------------|
| Frequency        | 5150-5895 MHz    | 5925-7125 MHz |
| Peak gain        | -1.87 dBi        | -1.88 dBi     |
| Average gain     | -7.92 dBi        | -9.08 dBi     |
| VSWR             | 3.5 : 1 Max.     | 3.5 : 1 Max.  |
| Polarization     | Linear, vertical |               |
| Impedance        | 50 $\Omega$      |               |
| Dimensions       | 35x20mm          |               |
| Antenna Material | FR4              |               |
| Connector        | IPEX MHF4        |               |
| Cable            | Ø1.13 L:300mm    |               |

#### Environment & Mechanical Characteristics

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

#### VSWR

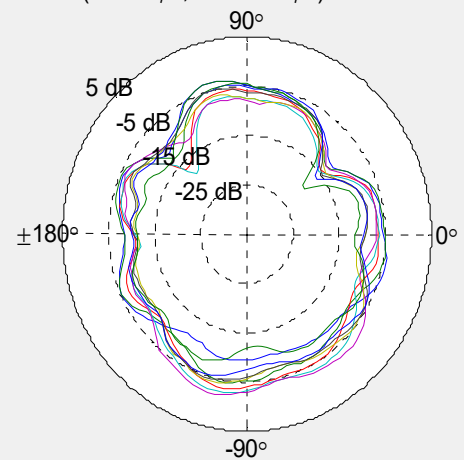
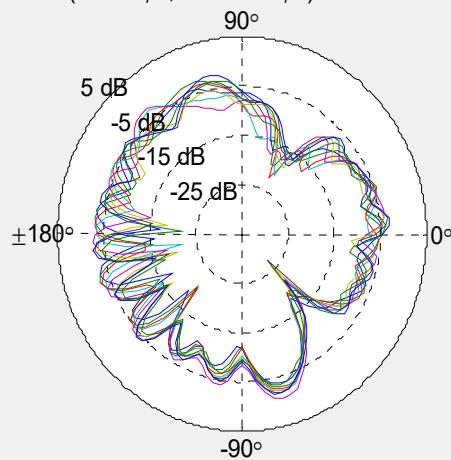
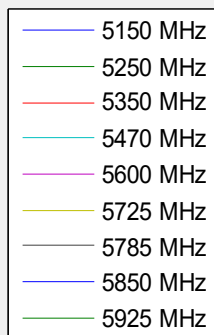


## Radiation Pattern

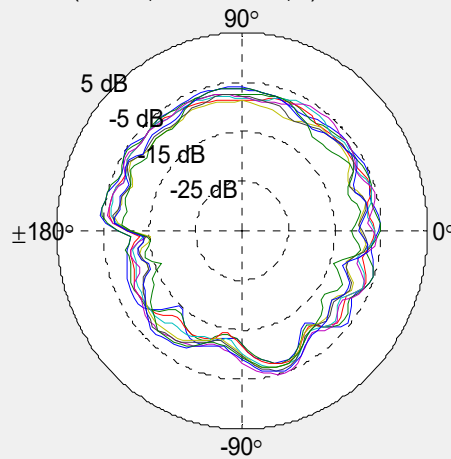
5G Band = 4900 - 5975 MHz

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

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

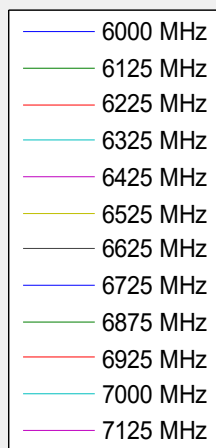


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

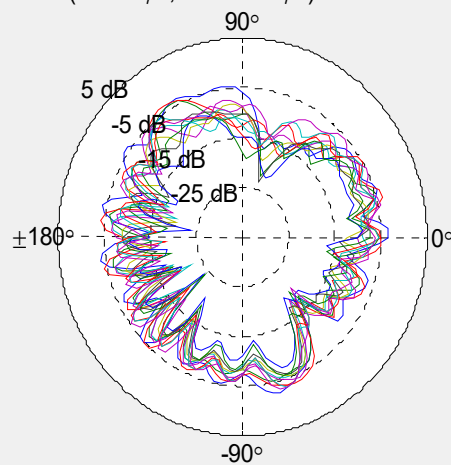


## Radiation Pattern

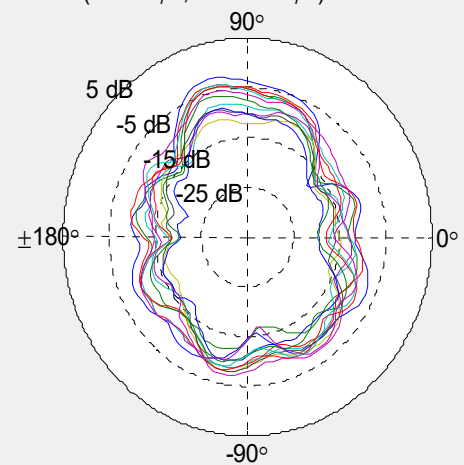
6G Band = 6000 - 8500 MHz



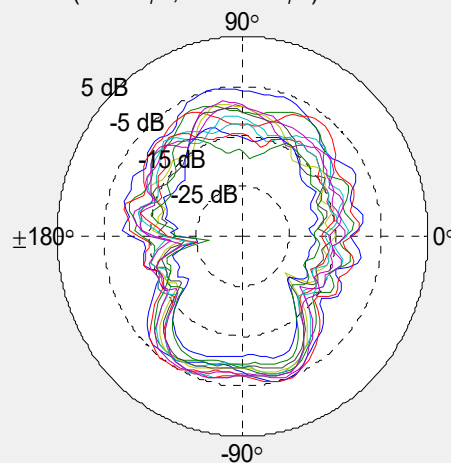
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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) | Peak Gain |
|-----------------|-----------|
| 5150            | -2.22     |
| 5250            | -2.17     |
| 5350            | -2.16     |
| 5470            | -2.29     |
| 5600            | -1.87     |
| 5725            | -2.24     |
| 5785            | -2.12     |
| 5850            | -1.96     |
| 5895            | -2.29     |

| Frequency (MHz) | Peak Gain |
|-----------------|-----------|
| 5925            | -1.95     |
| 6000            | -2.15     |
| 6125            | -2.17     |
| 6225            | -1.88     |
| 6325            | -2.22     |
| 6425            | -2.28     |
| 6525            | -2.09     |
| 6625            | -2.1      |
| 6725            | -2.16     |
| 6875            | -2.22     |
| 6925            | -2.19     |
| 7000            | -2.27     |
| 7125            | -2.25     |

