

**Antenna type : Dipole**

**RFA-27-JP326-4BC1035**

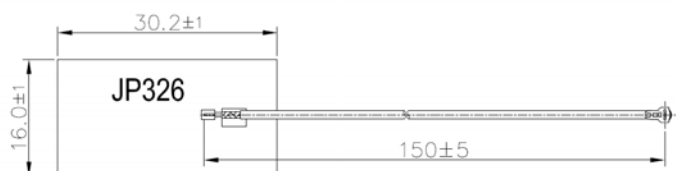
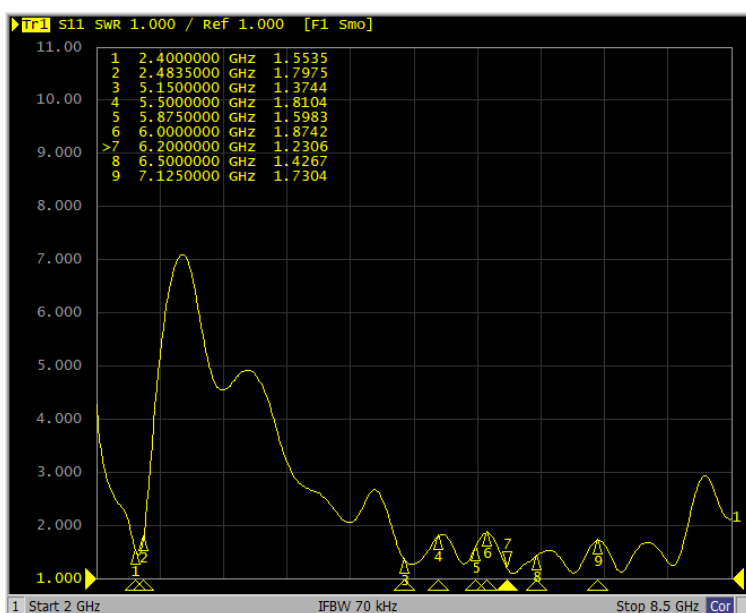
### Specifications

| Antenna         |                    |               |               |               |               |
|-----------------|--------------------|---------------|---------------|---------------|---------------|
| Frequency range | 2400-2500 MHz      | 5150-5250 MHz | 5300-5350 MHz | 5470-5895 MHz | 5925-7125 MHz |
| Peak gain       | 2.79 dBi           | 3.6 dBi       | 3.6 dBi       | 4.34 dBi      | 4.14 dBi      |
| VSWR            | 2.0 : 1 Max.       | 2.5 : 1 Max.  | 2.5 : 1 Max.  | 2.5 : 1 Max.  | 2.5 : 1 Max.  |
| Polarization    | Linear, vertical   |               |               |               |               |
| Impedance       | 50 $\Omega$        |               |               |               |               |
| Connector       | IPEX MHF4          |               |               |               |               |
| Cable           | $\varnothing$ 1.13 |               |               |               |               |
| Length          | 150mm              |               |               |               |               |

### Environmental & Mechanical Characteristics

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

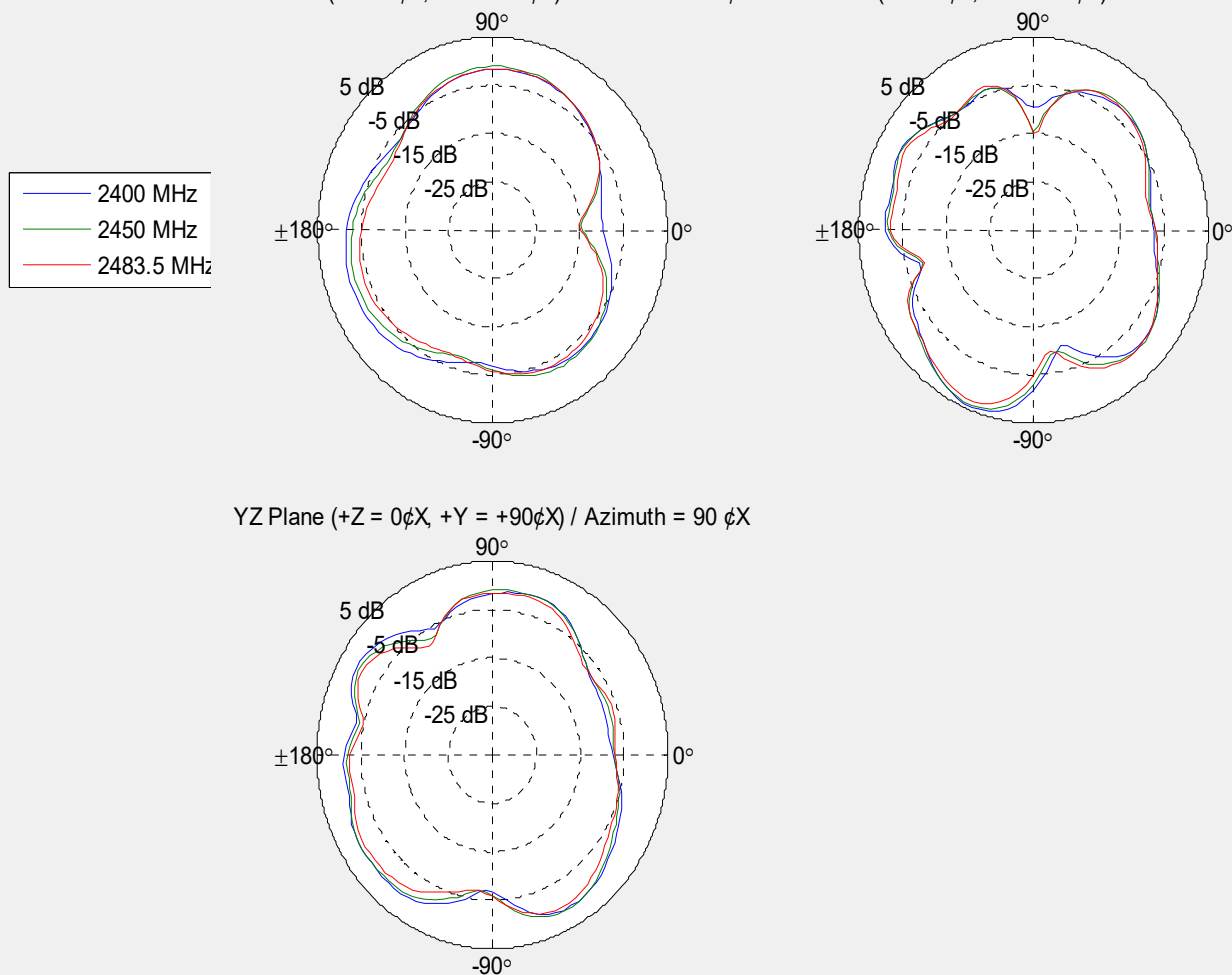
### VSWR



## Radiation Pattern

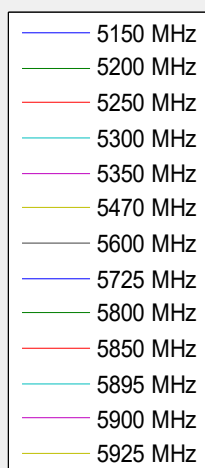
2G Band = 2400 - 2500 MHz % 2G BAND

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

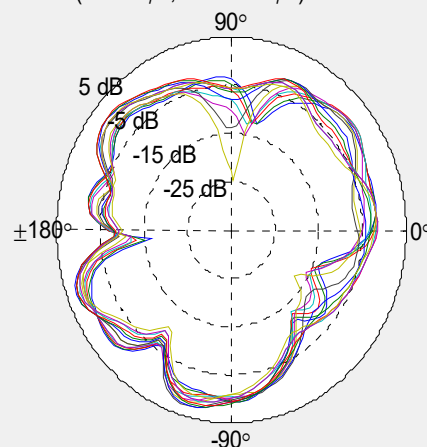
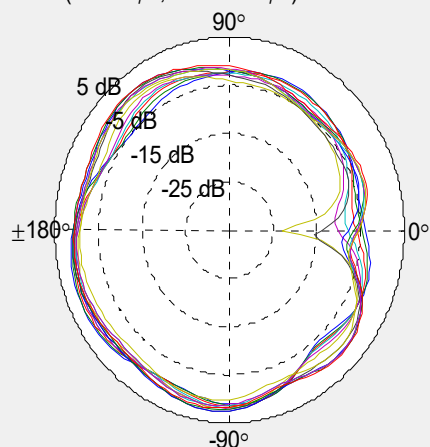


## Radiation Pattern

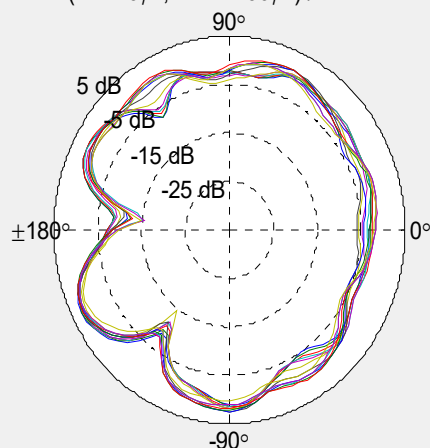
5G Band = 4900 - 5975 MHz



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



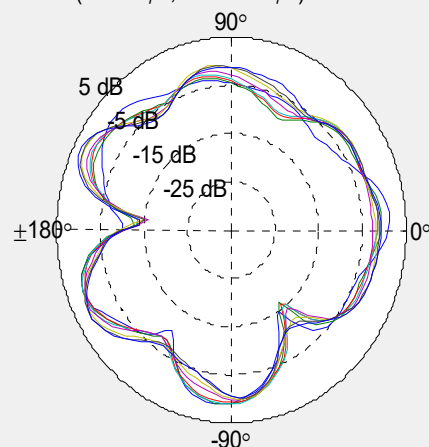
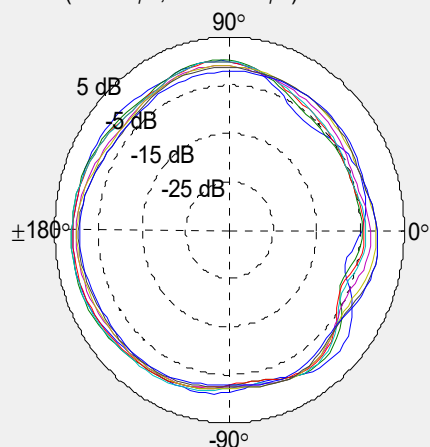
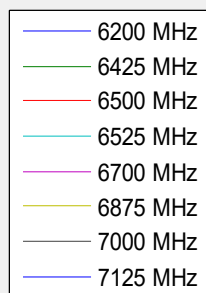
YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X



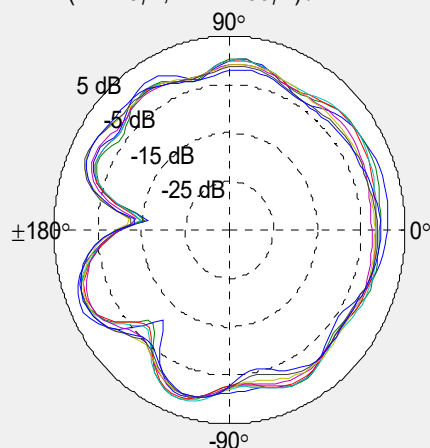
## Radiation Pattern

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<br>(MHz) | 3D         |           |           |
|--------------------|------------|-----------|-----------|
|                    | Efficiency | Avg. Gain | Peak Gain |
| 2400.00            | 66.44      | -1.78     | 2.79      |
| 2450.00            | 64.58      | -1.90     | 2.78      |
| 2483.50            | 55.26      | -2.58     | 2.73      |
| 5150.00            | 61.24      | -2.13     | 3.53      |
| 5200.00            | 62.03      | -2.07     | 3.59      |
| 5250.00            | 63.23      | -1.99     | 3.60      |
| 5300.00            | 62.32      | -2.05     | 3.36      |
| 5350.00            | 62.29      | -2.06     | 3.60      |
| 5470.00            | 60.90      | -2.15     | 3.12      |
| 5600.00            | 66.11      | -1.80     | 3.67      |
| 5725.00            | 62.74      | -2.02     | 3.94      |
| 5800.00            | 64.55      | -1.90     | 4.04      |
| 5850.00            | 65.33      | -1.85     | 4.34      |
| 5895.00            | 62.12      | -2.07     | 3.29      |
| 5925.00            | 62.67      | -2.03     | 3.54      |
| 6200.00            | 65.08      | -1.87     | 4.14      |
| 6425.00            | 66.77      | -1.75     | 3.70      |
| 6500.00            | 64.22      | -1.92     | 3.29      |
| 6525.00            | 63.58      | -1.97     | 3.83      |
| 6700.00            | 61.00      | -2.15     | 3.19      |
| 6875.00            | 65.71      | -1.82     | 3.34      |
| 7000.00            | 64.00      | -1.94     | 3.36      |
| 7125.00            | 63.11      | -2.00     | 3.44      |



