

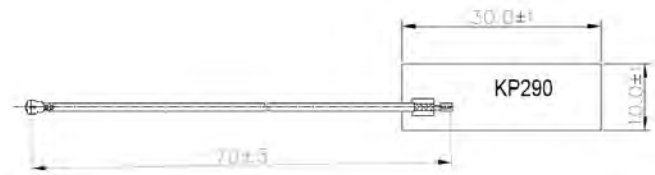
Antenna Type: PIFA

RFA-25-KP290-4B-70

13083

Specifications

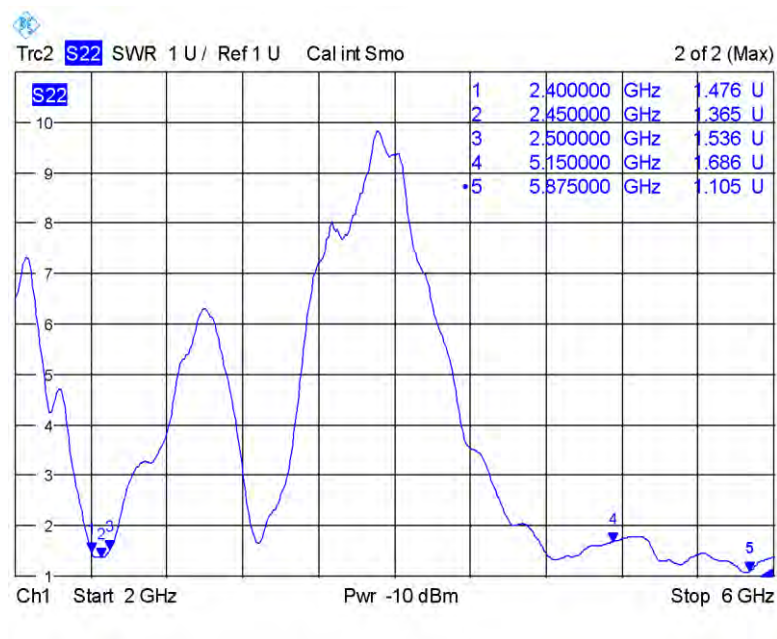
|              |               |               |
|--------------|---------------|---------------|
| Frequency    | 2400-2500 MHz | 5150-5895 MHz |
| Peak gain    | 3.13 dBi      | 4.71 dBi      |
| Average gain | -4.36 dBi     | -5.27 dBi     |
| Efficiency   | 35 %          | 25 %          |
| VSWR         | 2.0 : 1 Max.  | 2.5 : 1 Max.  |
| Impedance    | 50 Ω          |               |
| Connector    | IPEX MHF4L    |               |
| Cable        | Ø1.13         |               |



Environment & Mechanical Characteristics

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

VSWR

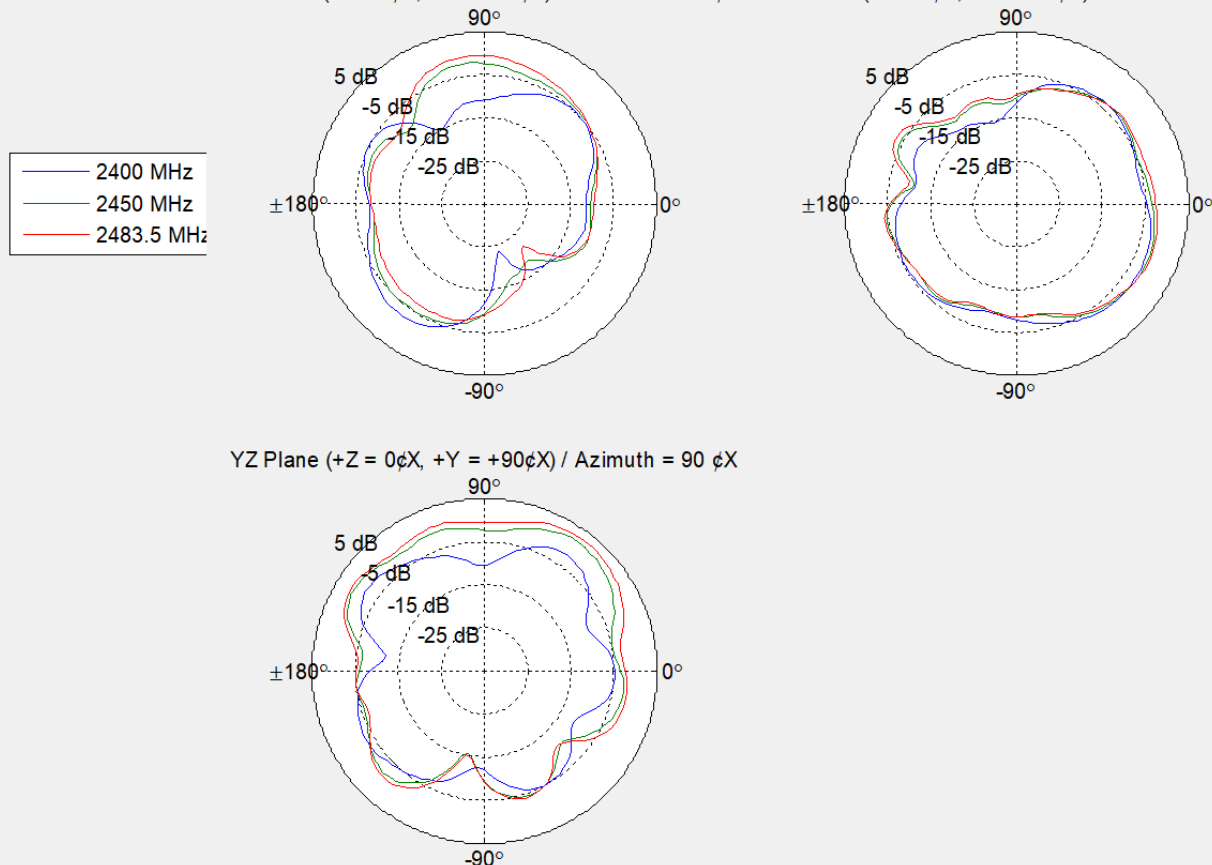


## Radiation Pattern

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

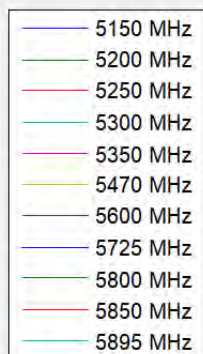
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90° X

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

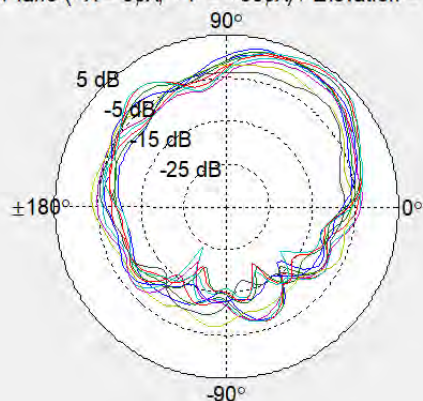


## Radiation Pattern

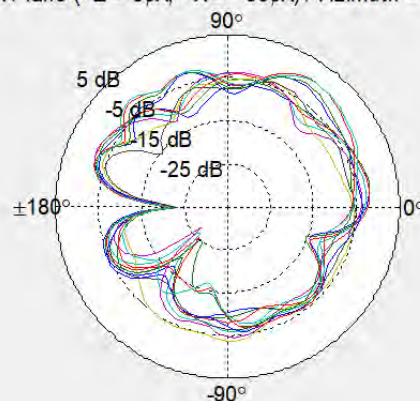
5G Band = 4900 - 5975 MHz



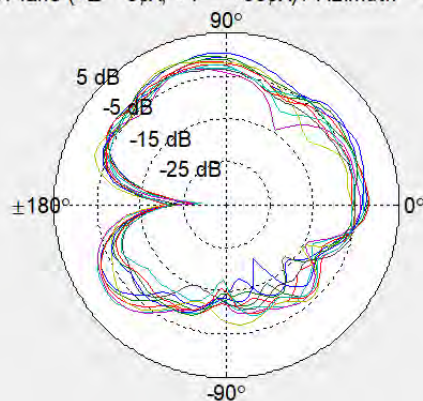
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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



## Gain Table

| Frequency<br>(MHz) | 3D         |           |           |
|--------------------|------------|-----------|-----------|
|                    | Efficiency | Avg. Gain | Peak Gain |
| 2400.00            | 32.94      | -4.82     | 0.20      |
| 2450.00            | 36.48      | -4.38     | 2.25      |
| 2483.50            | 36.65      | -4.36     | 3.13      |
| 5150.00            | 28.18      | -5.50     | 2.92      |
| 5200.00            | 28.96      | -5.38     | 3.11      |
| 5250.00            | 29.70      | -5.27     | 3.35      |
| 5300.00            | 27.82      | -5.56     | 2.59      |
| 5350.00            | 24.99      | -6.02     | 1.70      |
| 5470.00            | 24.24      | -6.15     | 0.06      |
| 5600.00            | 21.59      | -6.66     | -0.94     |
| 5725.00            | 24.46      | -6.12     | 2.83      |
| 5800.00            | 23.66      | -6.26     | 3.80      |
| 5850.00            | 23.00      | -6.38     | 4.39      |
| 5895.00            | 23.58      | -6.27     | 4.71      |