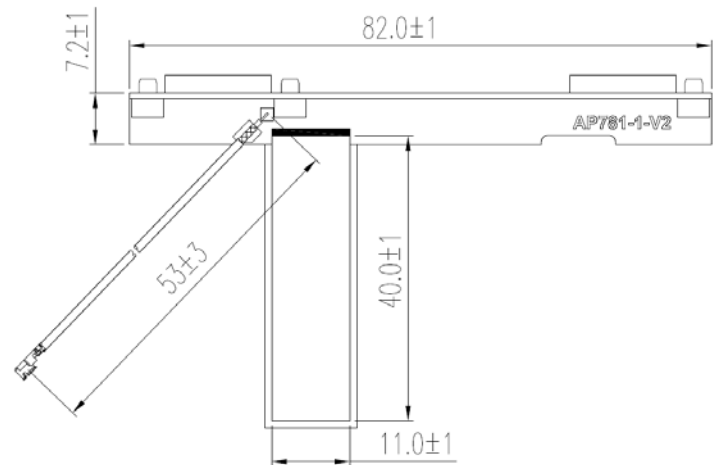


## Antenna Type : PIFA

## RFA-LTE-AP781-70-53

### Electrical Specifications

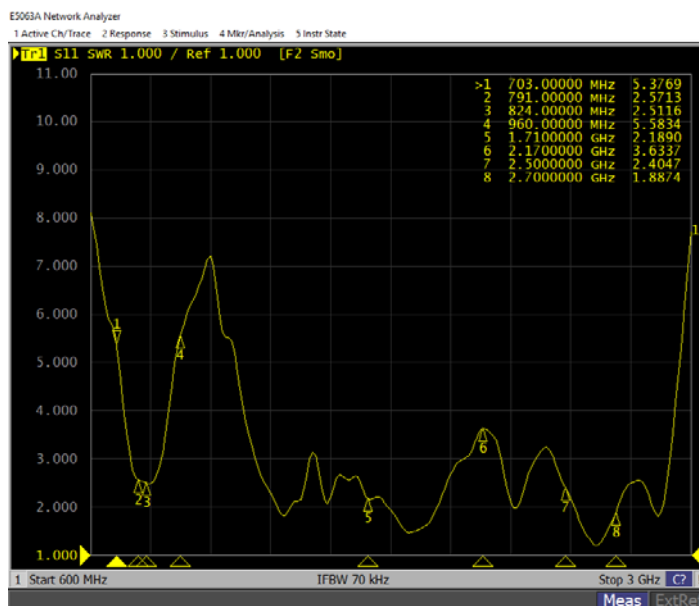
|                 |                    |               |
|-----------------|--------------------|---------------|
| Frequency range | 698 - 960 MHz      | 1710-2690 MHz |
| Peak Gain       | -0.74 dBi          | 1.8 dBi       |
| Average Gain    | -4.76 dBi          | -4.37 dBi     |
| Efficiency      | 33.74 %            | 37.33 %       |
| VSWR            | 7.0 : 1 Max.       | 4.0 : 1 Max.  |
| Polarization    | Linear, vertical   |               |
| Impedance       | 50 $\Omega$        |               |
| Connector       | IPEX               |               |
| Cable           | $\varnothing$ 1.13 |               |



### Environmental & Mechanical Characteristics

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

## VSWR



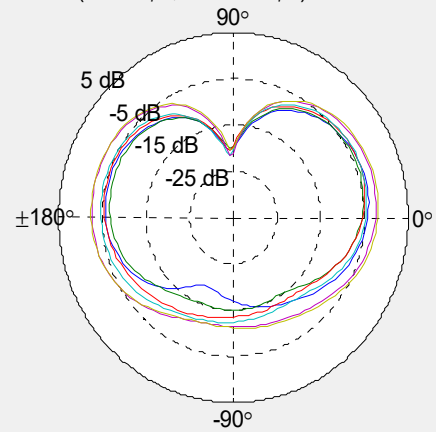
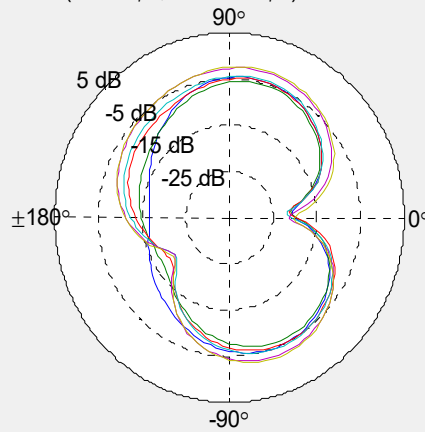
Radiation Pattern

L1 Band = 650 - 798 MHz % L1 BAND

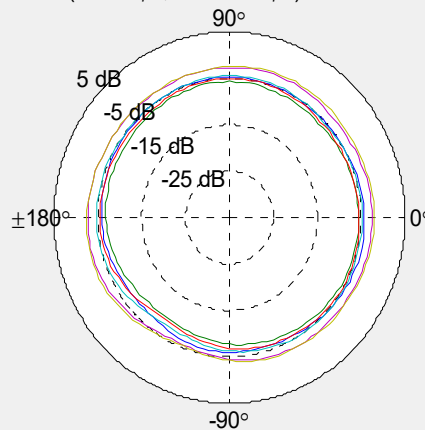
XY Plane (+X = 0φX, +Y = +90φX) / Elevation = 90 φX

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

- 703 MHz
- 725.5 MHz
- 748 MHz
- 758 MHz
- 780.5 MHz
- 791 MHz



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

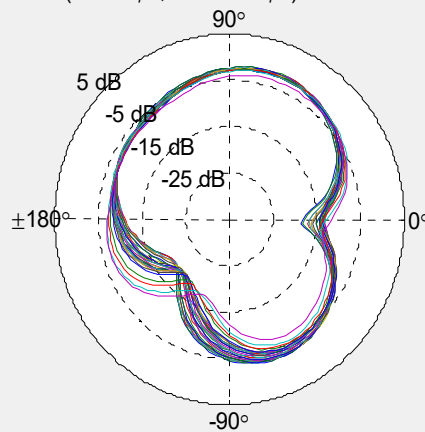


## Radiation Pattern

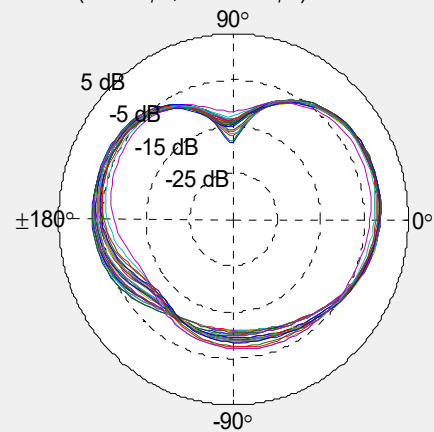
L2 Band = 792 - 960 MHz % L2 BAND

- 836.5 MHz
- 837 MHz
- 837.5 MHz
- 845 MHz
- 847 MHz
- 849 MHz
- 857 MHz
- 859 MHz
- 860 MHz
- 867.5 MHz
- 874 MHz
- 875 MHz
- 876.5 MHz
- 880 MHz
- 881.5 MHz

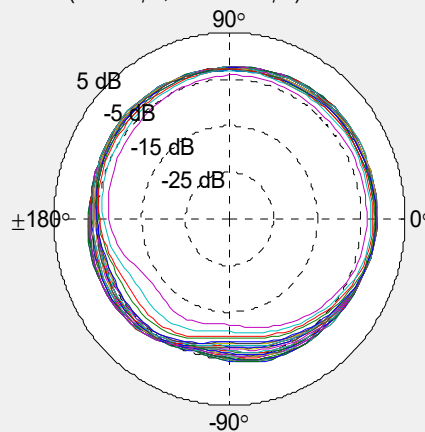
XY Plane (+X = 0°ϕX, +Y = +90°ϕX) / Elevation = 90°ϕX



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



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



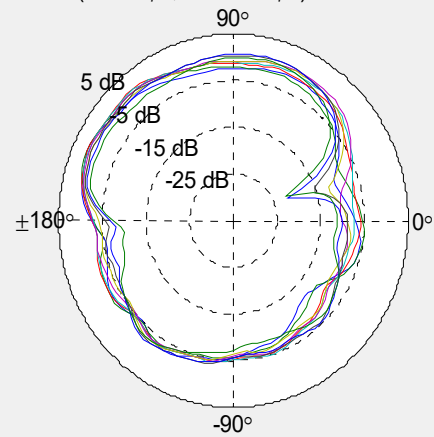
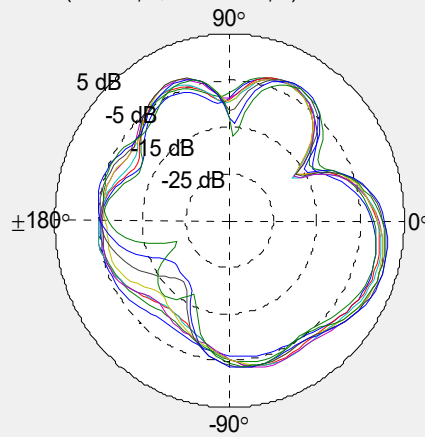
## Radiation Pattern

H1 Band = 1700 - 2000 MHz % H1 BAND

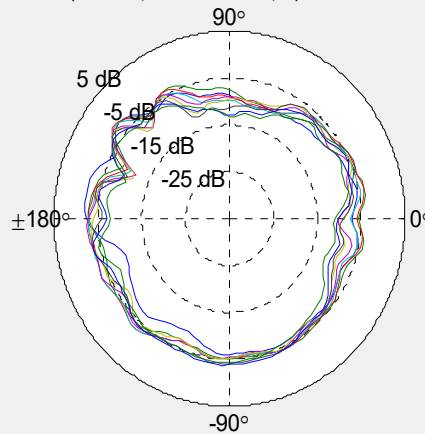
XY Plane (+X = 0φX, +Y = +90φX) / Elevation = 90 φX

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

- 1710 MHz
- 1747.5 MHz
- 1785 MHz
- 1805 MHz
- 1842.5 MHz
- 1880 MHz
- 1920 MHz
- 1950 MHz
- 1980 MHz



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



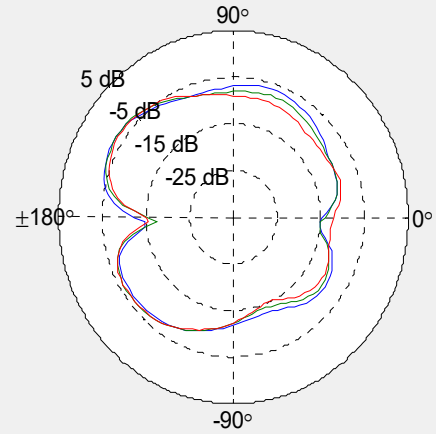
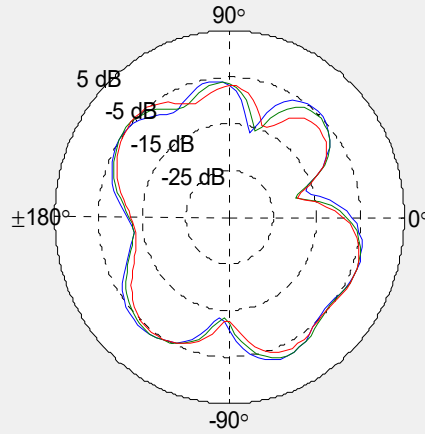
Radiation Pattern

H2 Band = 2000 - 2200 MHz % H2 BAND

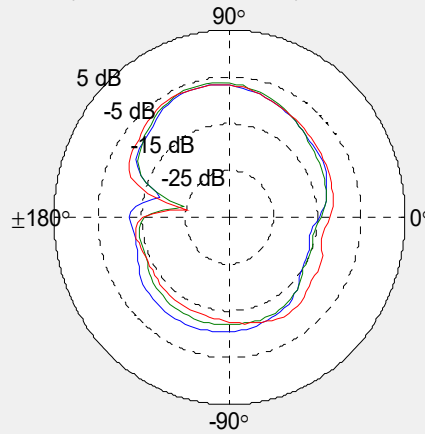
XY Plane (+X = 0φX, +Y = +90φX) / Elevation = 90 φX

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

- 2110 MHz
- 2140 MHz
- 2170 MHz



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

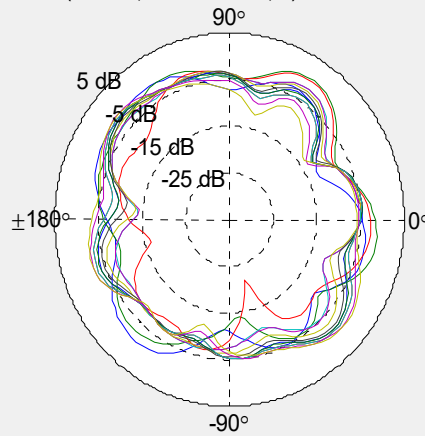


Radiation Pattern

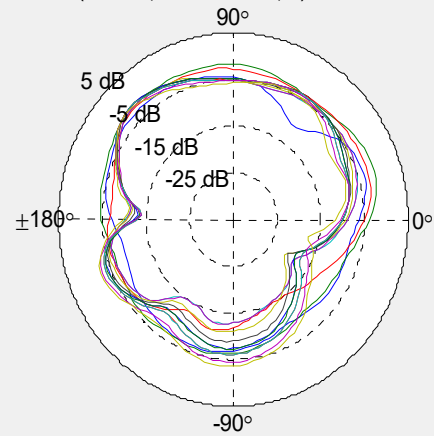
H3 Band = 2300 - 2750 MHz

- 2300 MHz
- 2350 MHz
- 2400 MHz
- 2496 MHz
- 2500 MHz
- 2535 MHz
- 2570 MHz
- 2593 MHz
- 2595 MHz
- 2620 MHz
- 2620 MHz
- 2655 MHz
- 2690 MHz

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



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



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

