

Sub 6GHz 5G NR Bands Antenna

MERFA-S60-C38-U-B70-6175000

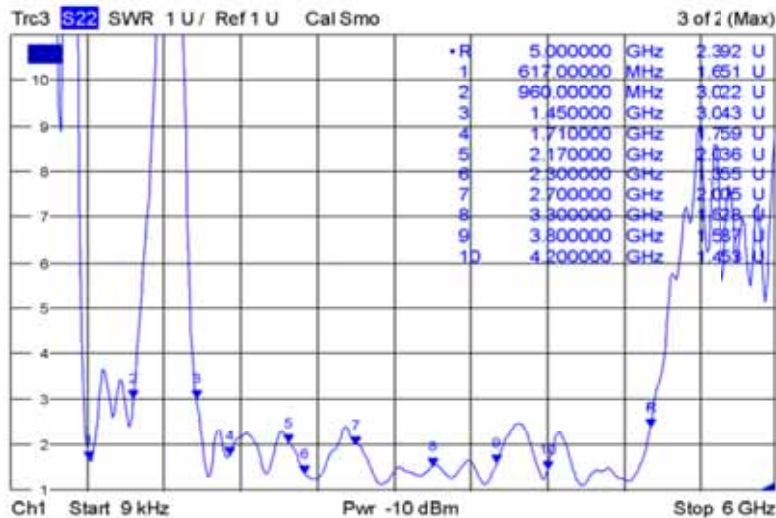
Specifications

| | | | | | | | |
|-----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Frequency (MHz) | 617-798 | 803-960 | 1452-1496 | 1710-2200 | 2300-2690 | 3300-3800 | 4200-5000 |
| Peak gain | 0.58 dBi | -0.53 dBi | 0 dBi | 2 dBi | 2.3 dBi | 0 dBi | 1.2 dBi |
| Average gain | -0.55 dBi | -1.98 dBi | -1.3 dBi | 0.05 dBi | 1.18 dBi | -4.12 dBi | -1.22 dBi |
| VSWR | 4.0 : 1 Max | 4.0 : 1 Max | 4.0 : 1 Max | 3.0 : 1 Max | 3.0 : 1 Max | 3.0 : 1 Max | 3.0 : 1 Max |
| Polarization | Linear, vertical | | | | | | |
| Impedance | 50 Ω | | | | | | |
| Connector | SMA PLUG | | | | | | |

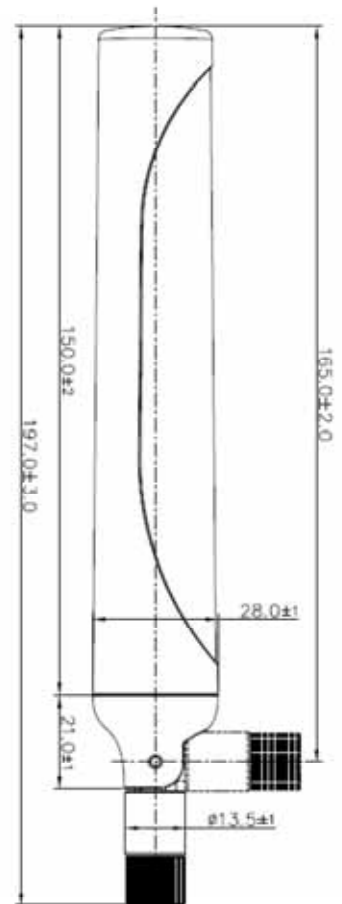
Environment & Mechanical Characteristics

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

VSWR



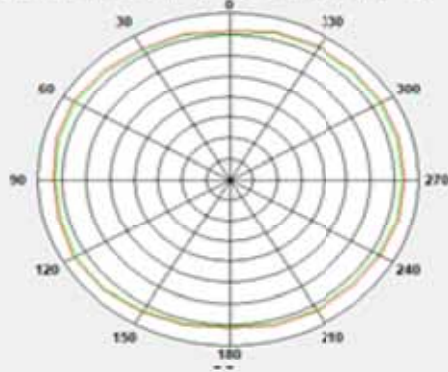
Date: 9 JUL 2019 20:02:10



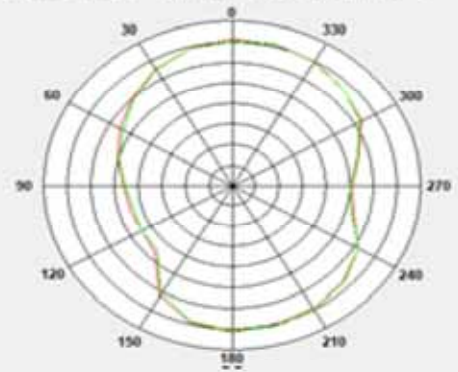
Radiation Pattern

617 Mhz
634.5 Mhz

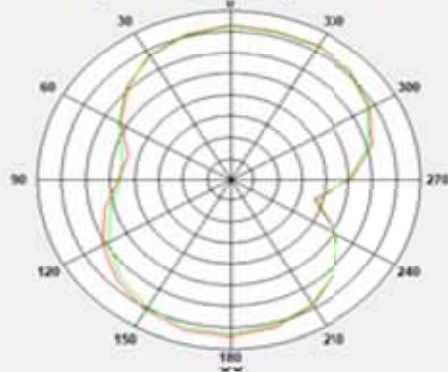
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

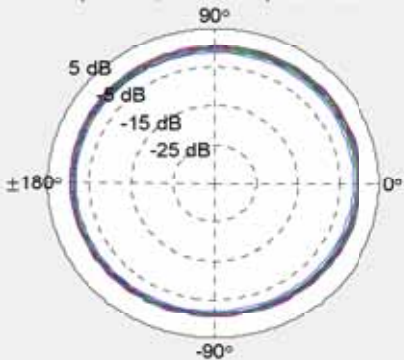


Radiation Pattern

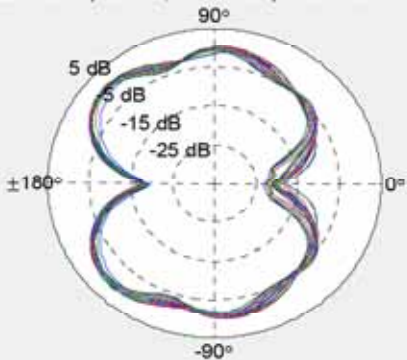
L1 Band = 600 - 790 MHz % LTE-L Band

- 710 MHz
- 716 MHz
- 717 MHz
- 722.5 MHz
- 725.5 MHz
- 728 MHz
- 729 MHz
- 734 MHz
- 737.5 MHz
- 740 MHz
- 746 MHz
- 748 MHz
- 751 MHz
- 756 MHz
- 758 MHz

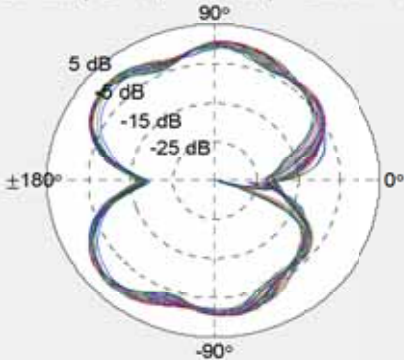
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°



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



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

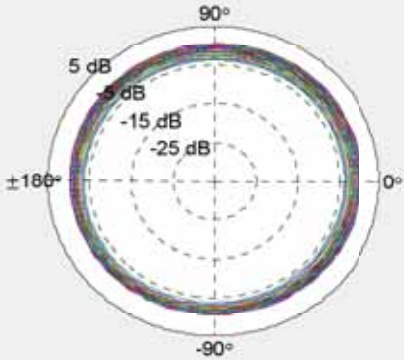


Radiation Pattern

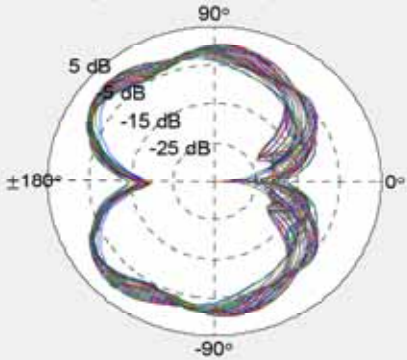
5GHz71 Band = 650 - 1200 MHz

- 777 MHz
- 780.5 MHz
- 782 MHz
- 787 MHz
- 788 MHz
- 791 MHz
- 793 MHz
- 798 MHz
- 803 MHz
- 806 MHz
- 814 MHz
- 815 MHz
- 821 MHz
- 822.5 MHz
- 824 MHz

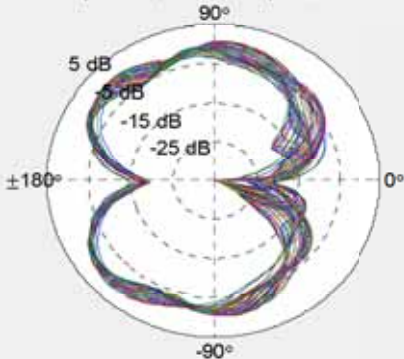
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

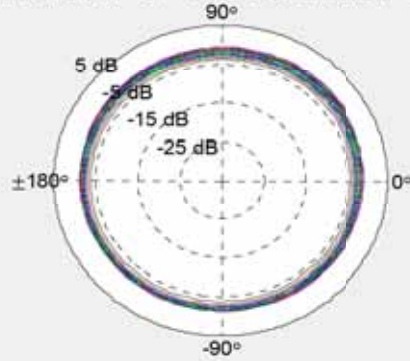


Radiation Pattern

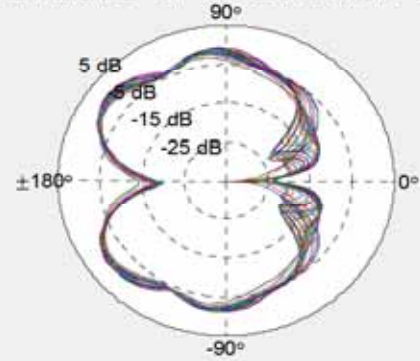
L2 Band = 791 - 960 MHz % LTE-L Band

- 830 MHz
- 831.5 MHz
- 832 MHz
- 836.5 MHz
- 837.5 MHz
- 845 MHz
- 847 MHz
- 849 MHz
- 859 MHz
- 860 MHz
- 862 MHz
- 867.5 MHz
- 869 MHz
- 875 MHz
- 876.5 MHz

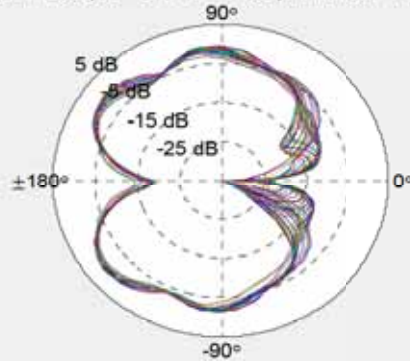
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



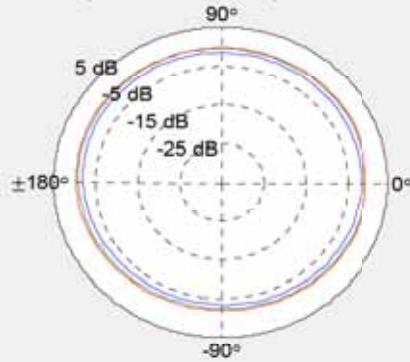
YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



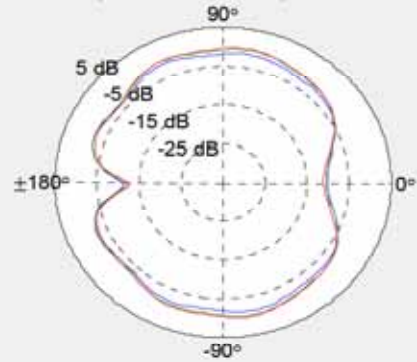
Radiation Pattern

JP Band = 1400 - 1569 MHz % LTE-JP Band

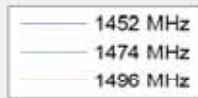
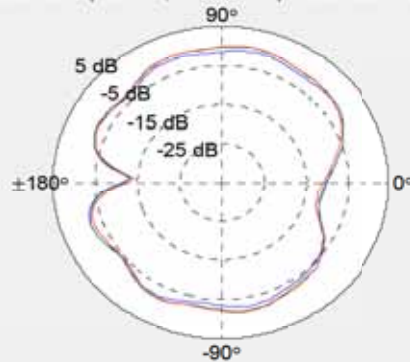
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

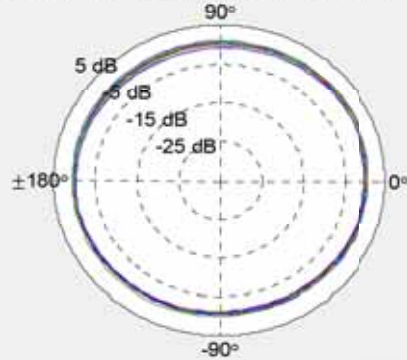


Radiation Pattern

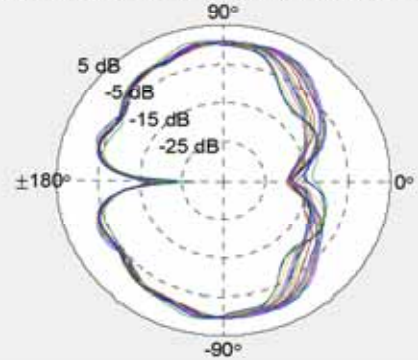
H1 Band = 1700 - 1989 MHz % LTE-H1 Band

- 1755 MHz
- 1780 MHz
- 1785 MHz
- 1805 MHz
- 1842.5 MHz
- 1850 MHz
- 1880 MHz
- 1880 MHz
- 1882.5 MHz
- 1900 MHz
- 1910 MHz
- 1915 MHz
- 1920 MHz
- 1920 MHz
- 1930 MHz

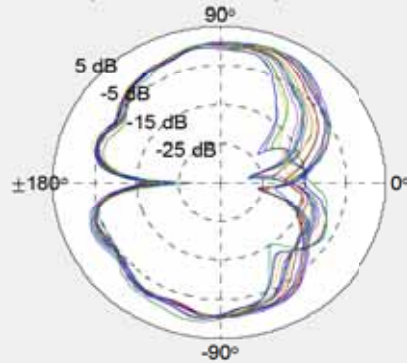
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

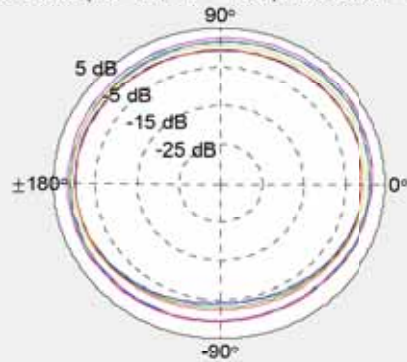


Radiation Pattern

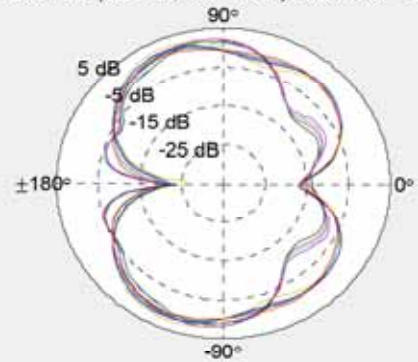
H2 Band = 1990 - 2170 MHz % LTE-H2 Band



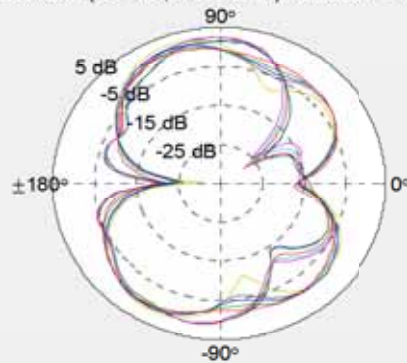
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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

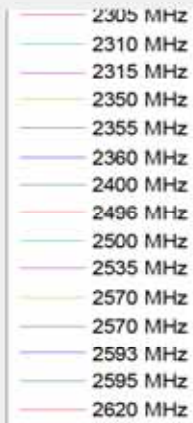


YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °

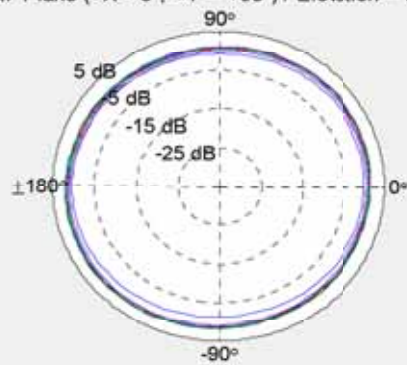


Radiation Pattern

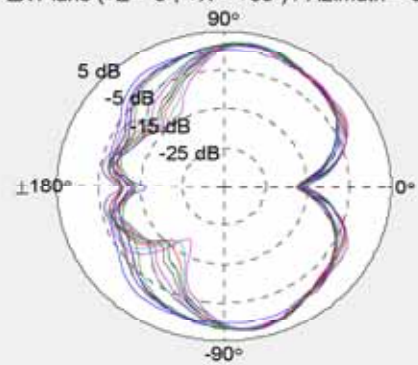
H3 Band = 2180 - 2750 MHz



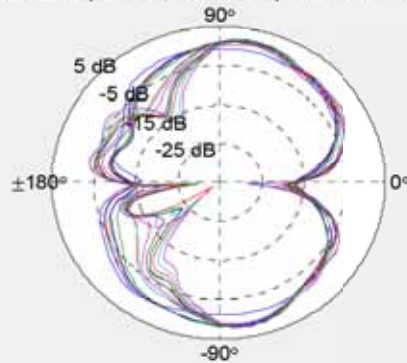
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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

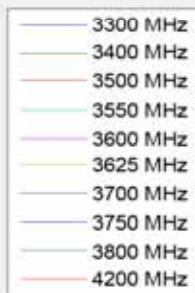


YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °

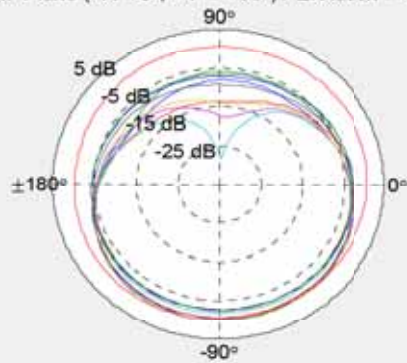


Radiation Pattern

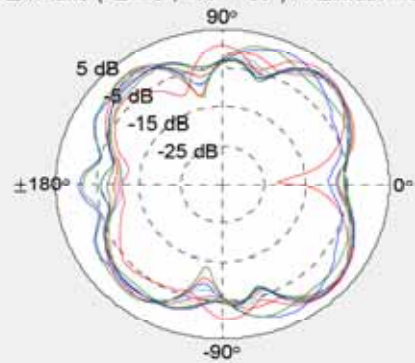
3G Band = 3000 - 4200 MHz % 3G Band



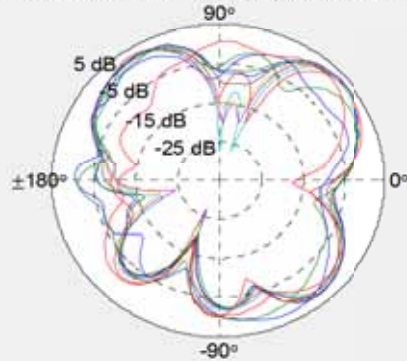
XY Plane (+X = 0°, +Y = +90°) / Elevator = 90 °



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



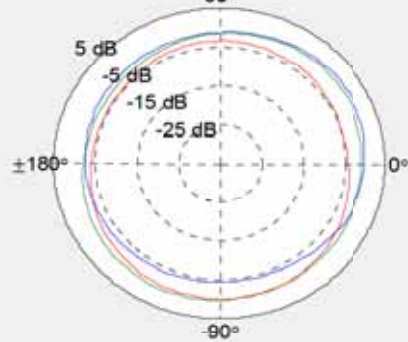
YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



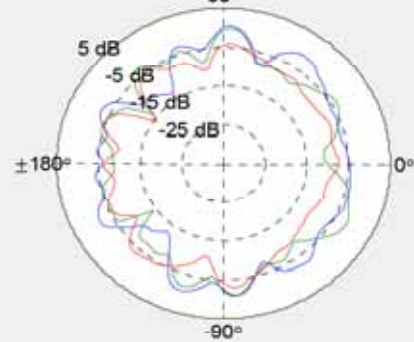
Radiation Pattern

5G Band = 4400 - 5975 MHz % 5G Band

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



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



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

