

Sub 6GHz 5G NR Bands Antenna

MERFA-S60-AP873-6175000

Specifications

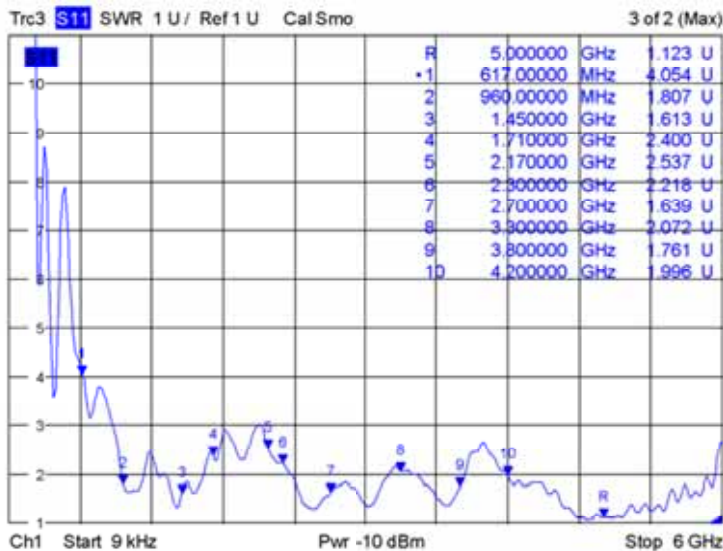
Frequency (MHz)	617-798	803-960	1452-1496	1710-2200	2300-2690	3300-3800	4200-5000
Peak gain	-0.6 dBi	-0.42 dBi	2.7 dBi	1.5 dBi	2.7 dBi	4 dBi	5 dBi
Average gain	-4.9 dBi	-3.7 dBi	-2.9 dBi	-2.2 dBi	-1.7 dBi	-2.3 dBi	-2 dBi
VSWR	4.5 : 1 Max	4.5 : 1 Max	3.0 : 1 Max	3.5 : 1 Max	3.0 : 1 Max	3.0 : 1 Max	3.0 : 1 Max
Polarization	Linear, vertical						
Impedance	50 Ω						
Connector	IPEX						

Environment & Mechanical Characteristics

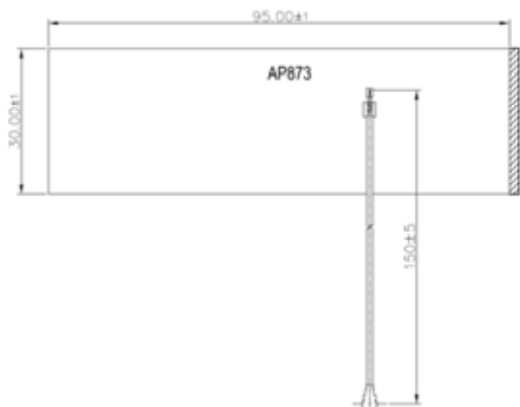
Temperature	-10°C to +55°C
Humidity	95% @ 25°C



VSWR



Date: 22.AUG.2019 14:59:53

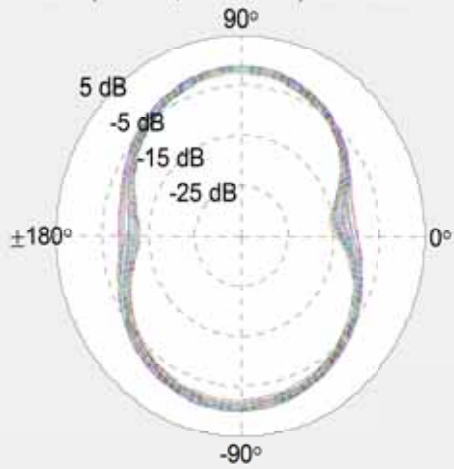


Radiation Pattern

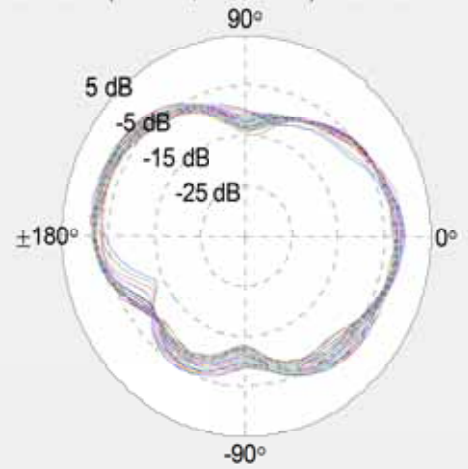
L1 Band = 650 - 803 MHz % LTE-L Band



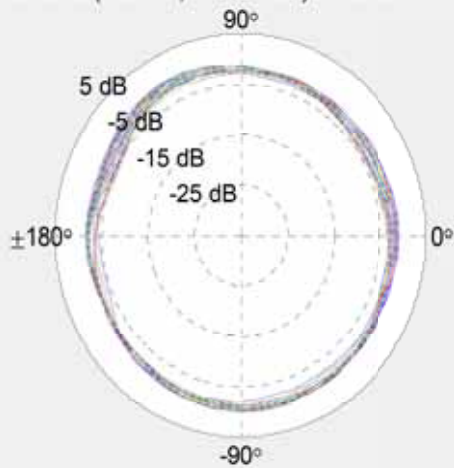
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

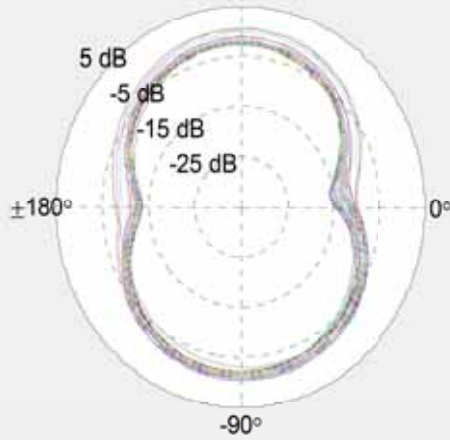


Radiation Pattern

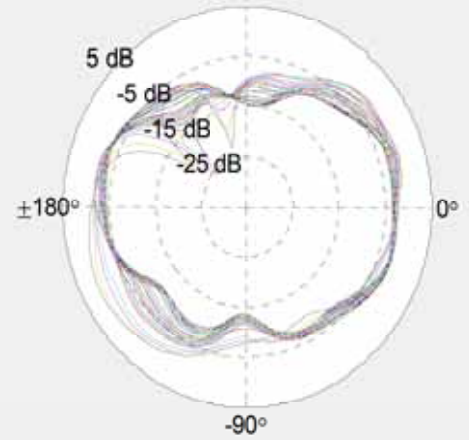
L2 Band = 791 - 960 MHz % LTE-L Band

- 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

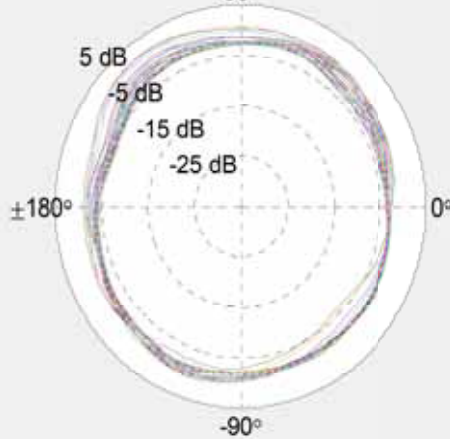
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



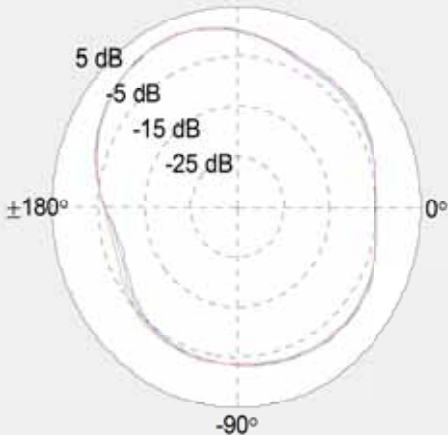
YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



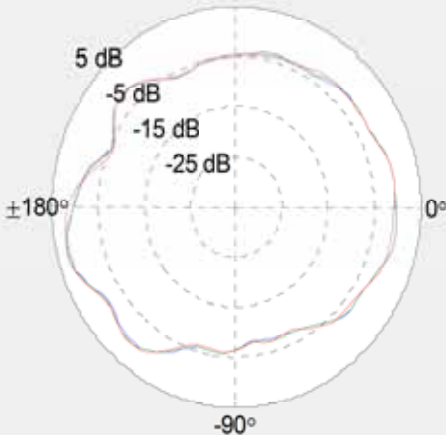
Radiation Pattern

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

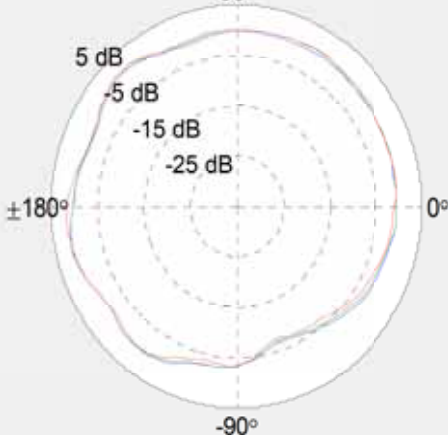
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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



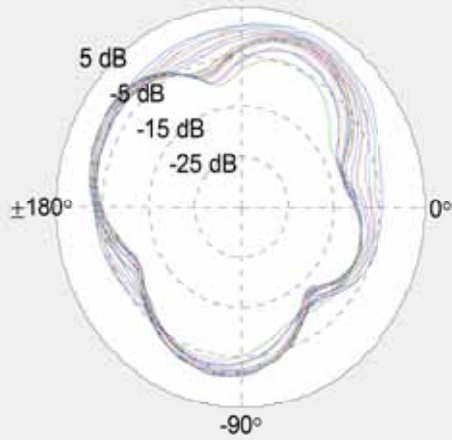
- 1452 MHz
- 1474 MHz
- 1496 MHz

Radiation Pattern

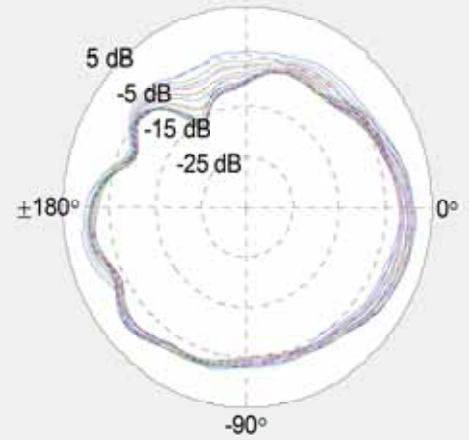
H1 Band = 1700 - 1989 MHz % LTE-H1 Band

- 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

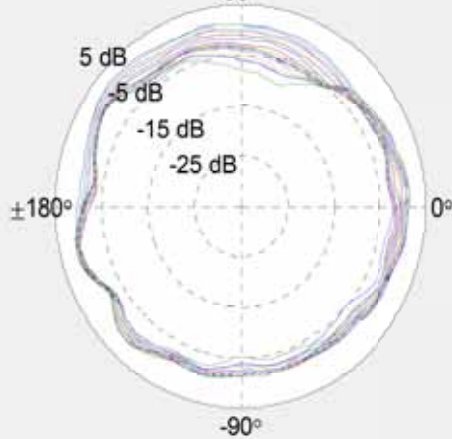
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



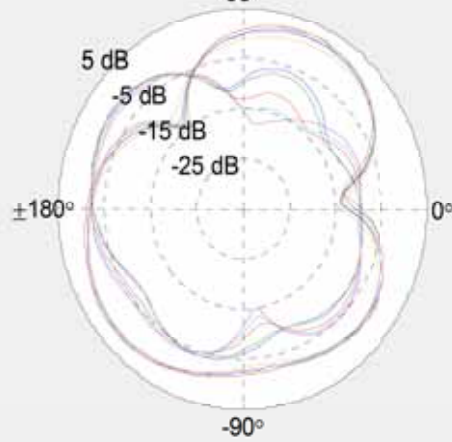
YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



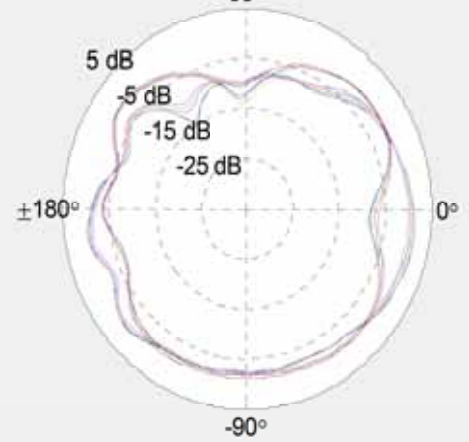
Radiation Pattern

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

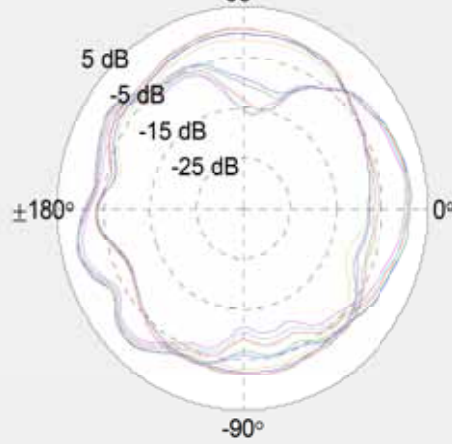
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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



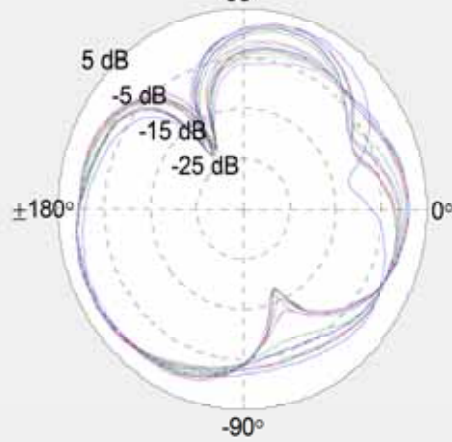
- 1990 MHz
- 1995 MHz
- 2010 MHz
- 2017.5 MHz
- 2025 MHz
- 2110 MHz
- 2132.5 MHz
- 2140 MHz
- 2155 MHz
- 2170 MHz

Radiation Pattern

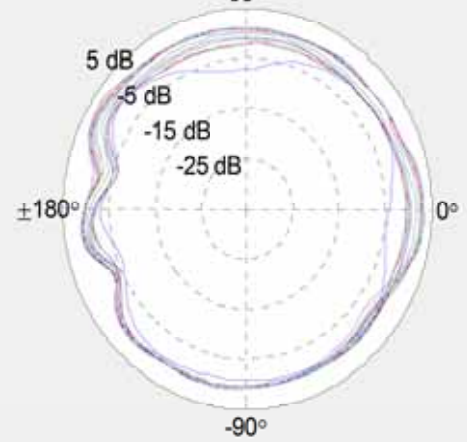
H3 Band = 2180 - 2750 MHz



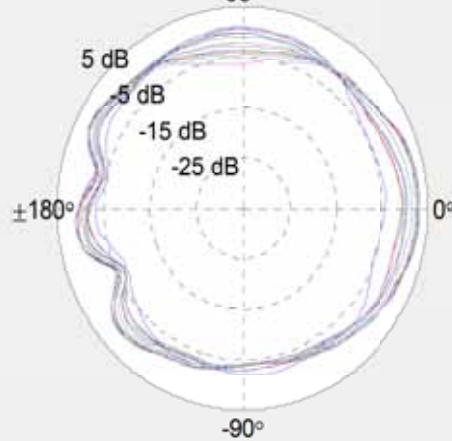
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



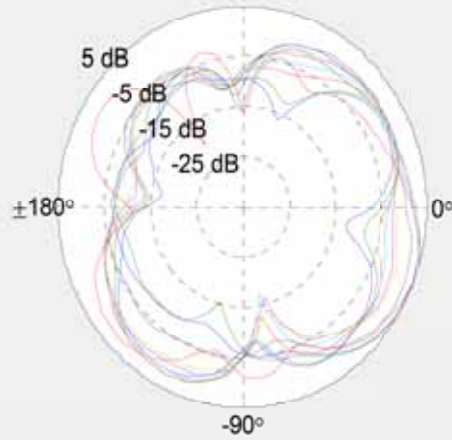
YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



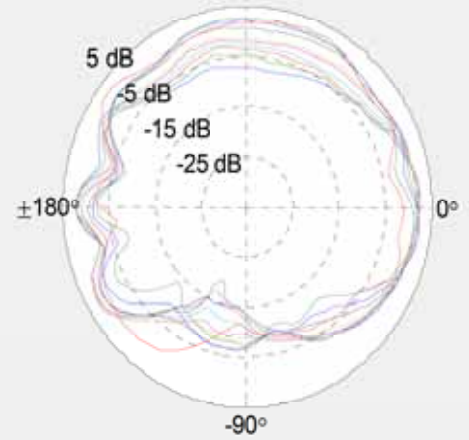
Radiation Pattern

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

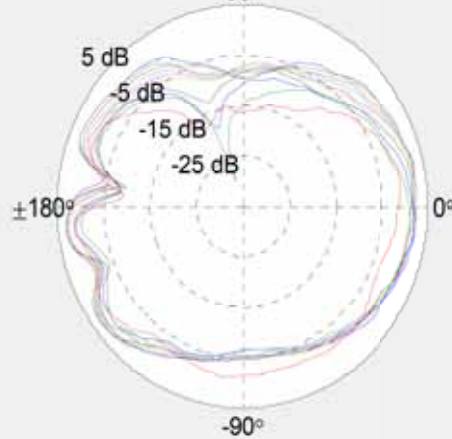
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



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



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

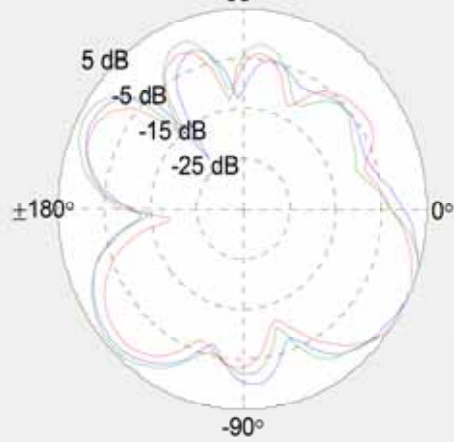


- 3300 MHz
- 3400 MHz
- 3500 MHz
- 3550 MHz
- 3600 MHz
- 3625 MHz
- 3700 MHz
- 3750 MHz
- 3800 MHz
- 4200 MHz

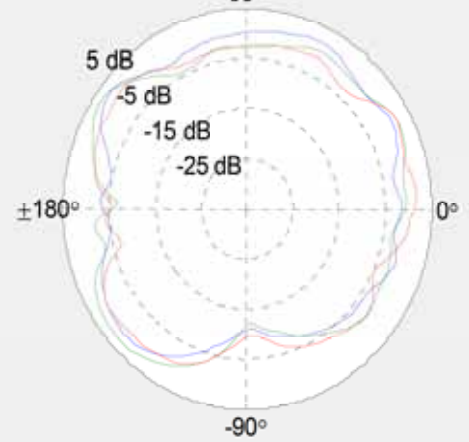
Radiation Pattern

5G Band = 4400 - 6000 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 °

