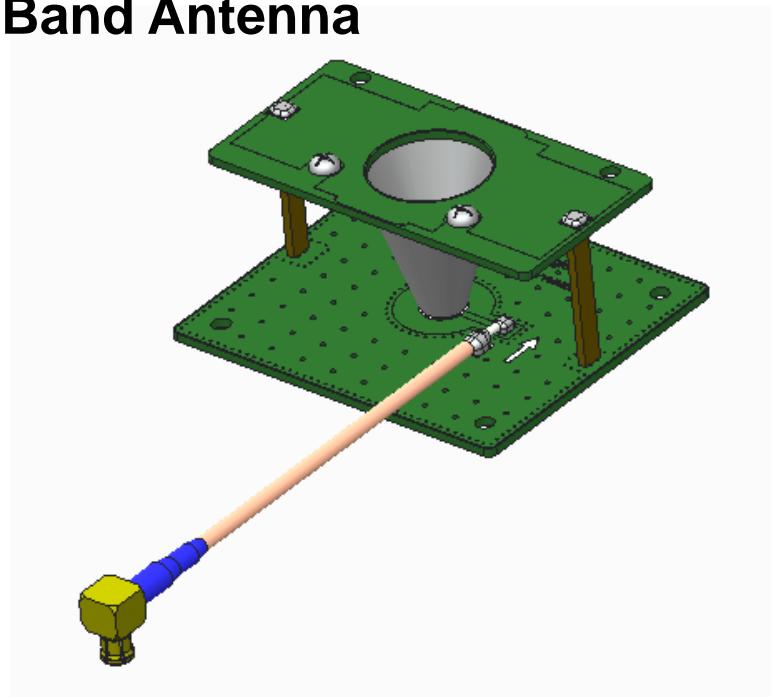


eROU Ant2

- LTE Middle / High-Band Antenna

Data Sheets



AWAVE

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1. AWAVE eROU Ant2 Antenna

The AWAVE eROU Ant2 is an LTE Middle/High-Band antenna that operates in 1695-2690 MHz band. It provides high efficient radiation with good cost benefit. The antenna can be mounted on a customer device by 4 screws and connected to the radio through a MCX connector.

2. Features

- Operates in 1695~2690 MHz bands
- Peak gain : 1.8~4.9dBi
- High efficiency
- MCX (Right angle) connector interface
- Mounted by 2 screws on a metal surface

3. Specifications and Interface

Standard	LTE Middle/High-Band
Frequency Range	1695~2690 MHz
Peak Gain	1.8~4.9 dBi
VSWR	2:1
Feed Impedance	50Ω
Power Handling	30 dBm
Interface	MCX (Right angle)
Antenna Dimensions	44.72 mm x 37.89 mm x 19.00 mm (L x W x T)
Weight	10.83 g
Temperature Range	Operating: -20° C to +60° C (-4° F to +140° F) Storage: -20° C to +60° C (-4° F to +140° F)
Humidity Range	Operating: 10% to 85% non-condensing Storage: 5% to 90% non-condensing

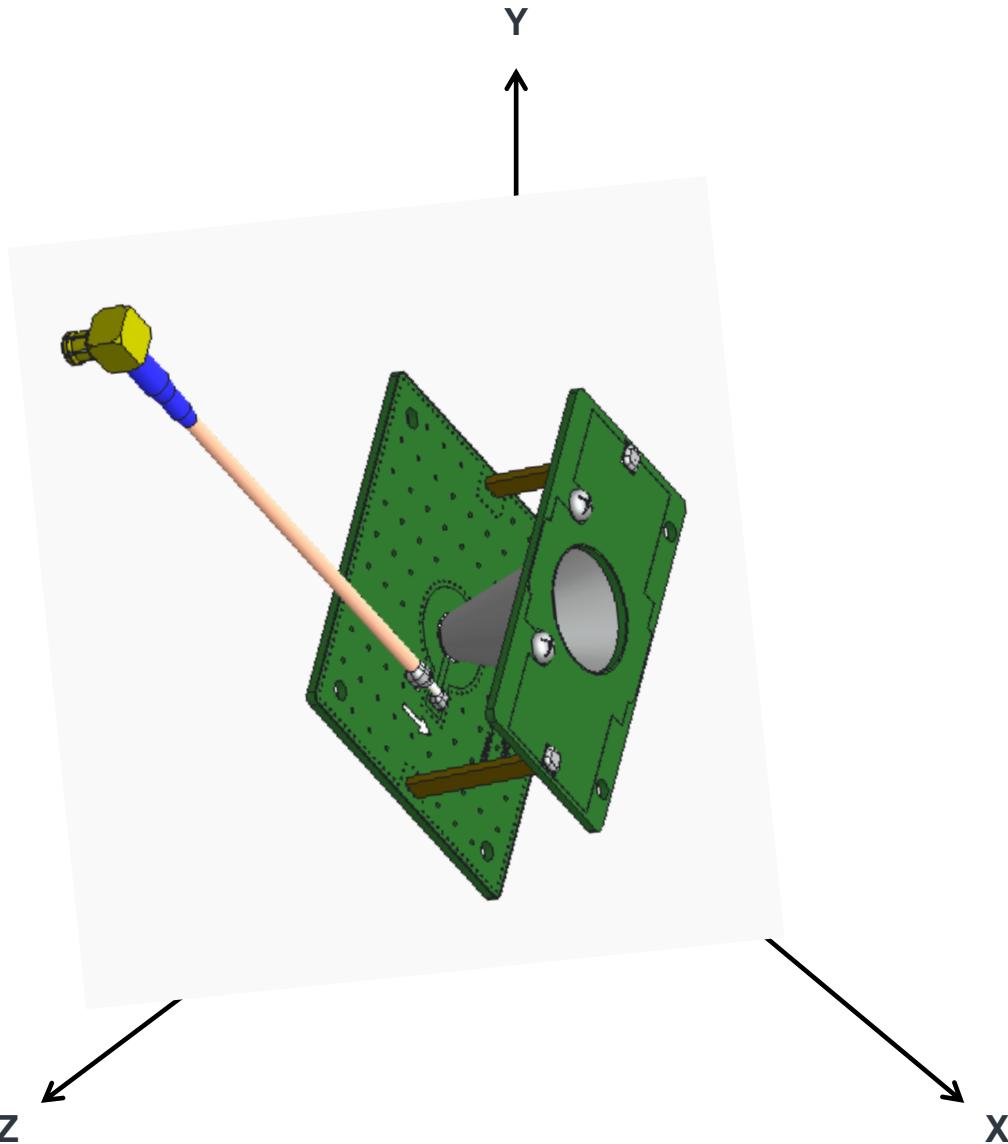
4. Return Loss



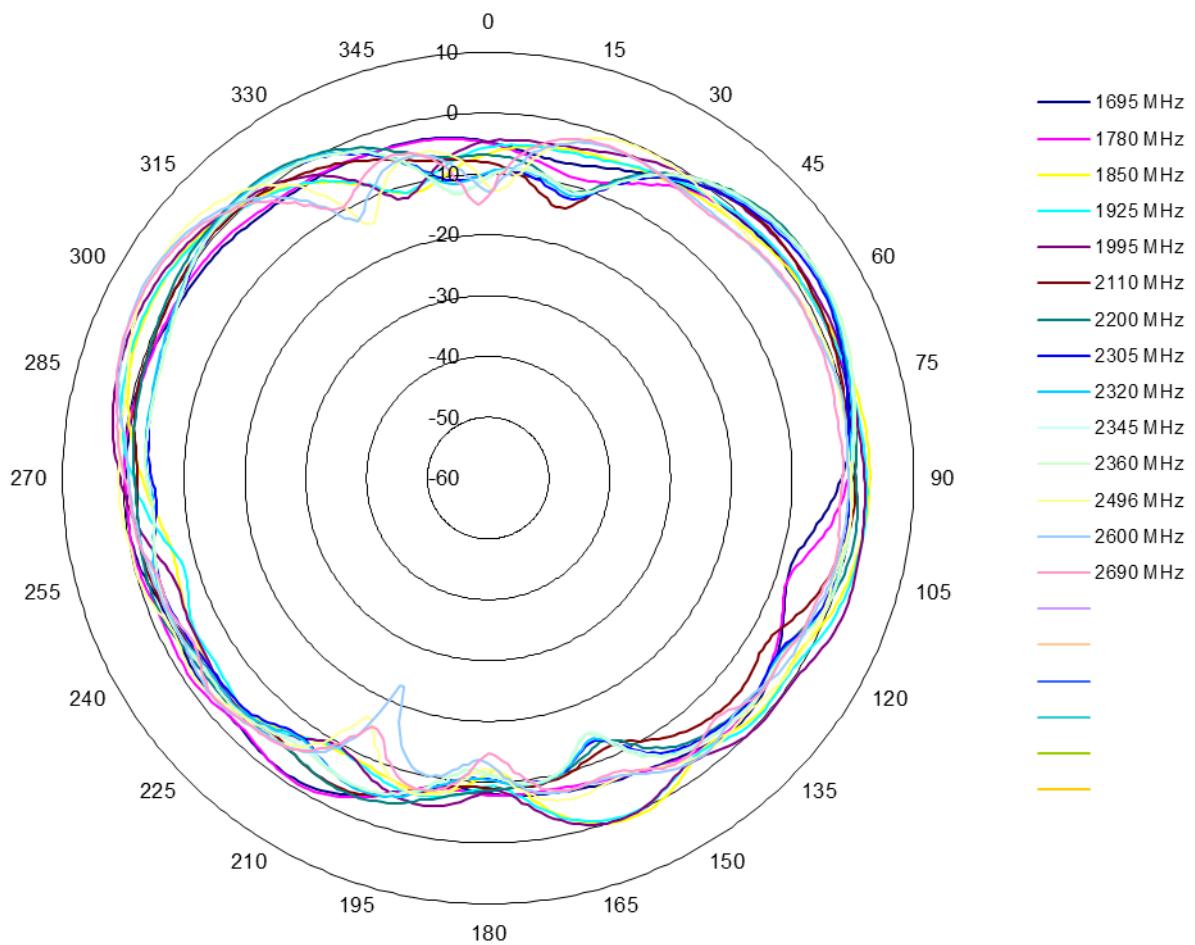
5. Peak Gain and Efficiency

Frequency (MHz)	Peak Gain (dBi)	Efficiency (dB)	Efficiency (%)
1695	1.86	-1.43	71.9
1780	1.99	-1.22	75.6
1850	2.90	-1.53	70.4
1925	2.28	-1.54	70.1
1995	3.30	-0.62	86.6
2110	2.65	-1.48	71.1
2200	4.86	-0.32	92.9
2305	4.15	-1.30	74.2
2320	4.70	-0.84	82.4
2345	4.85	-0.81	82.9
2360	4.97	-0.73	84.5
2496	4.52	-1.39	72.6
2600	4.80	-1.81	65.9
2690	4.40	-2.22	60.0

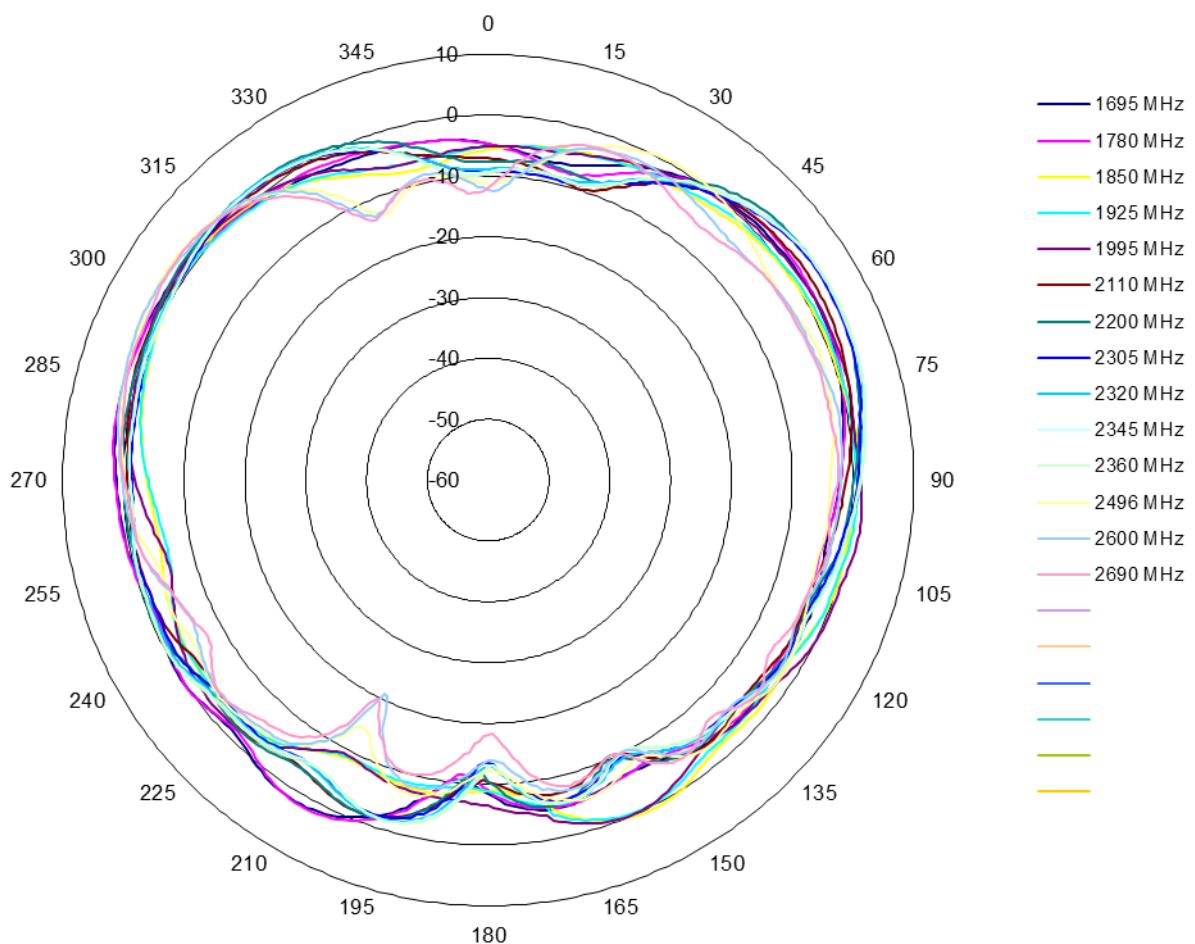
6. Radiation Patterns



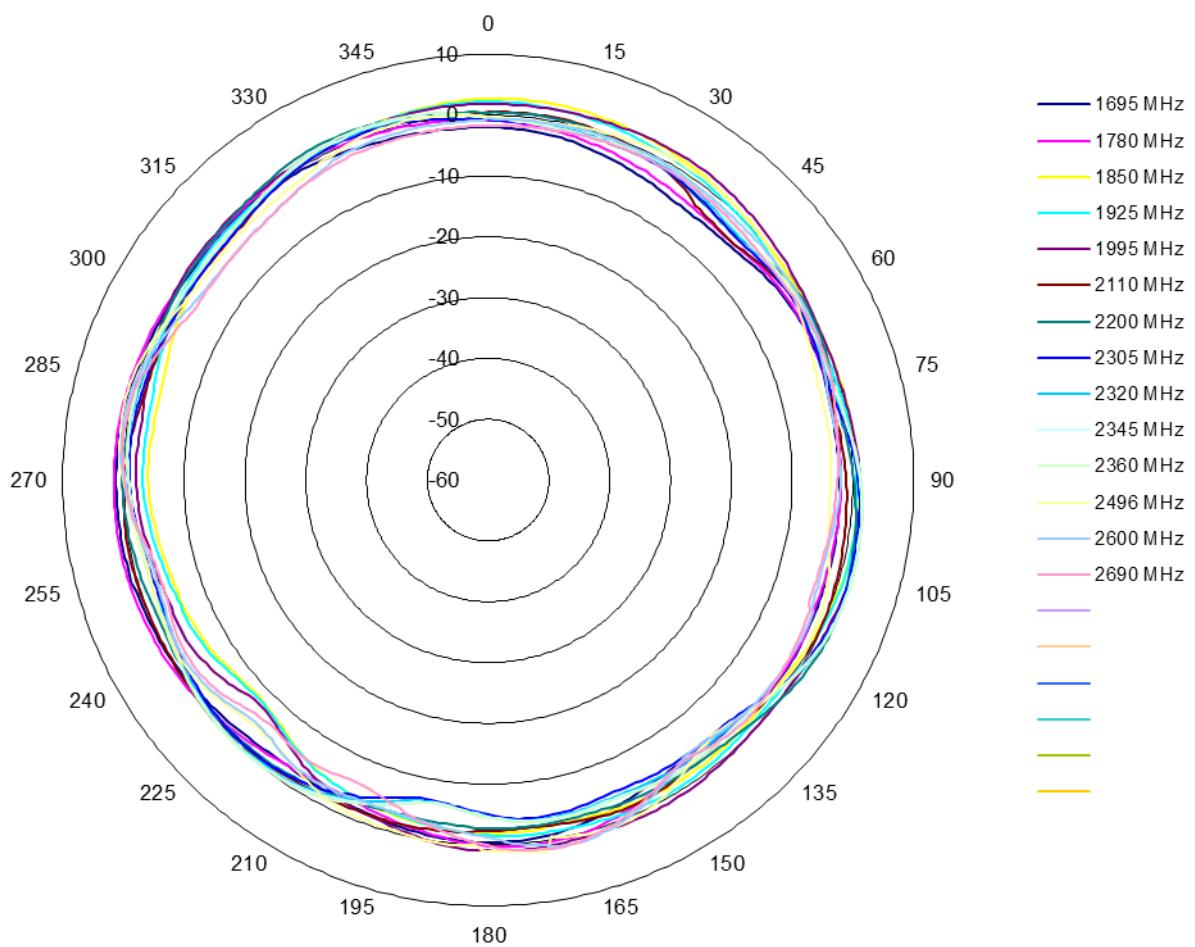
E1-Plane



E2-Plane



H-Plane



7. Antenna Dimensions

