

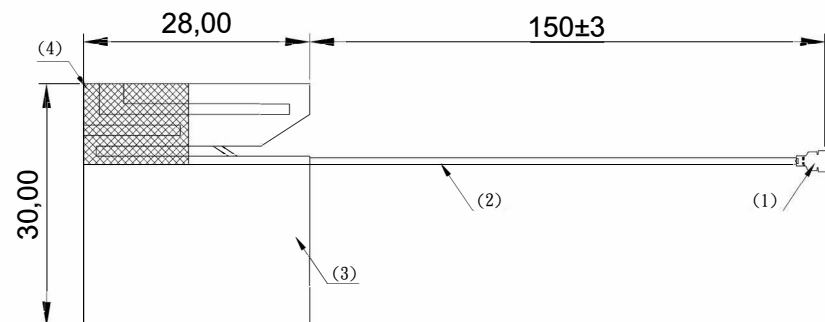
The WAMF-3DB4 Series are easy-to-fit dual band, compact, embedded PIFA antennas for a wide variety of wireless applications. The MHF4 connector that this series also uses is omnipresent in communication NGFF (M.2) form-factor WiFi, Bluetooth & GPS, Cellular and mobile modules.

1. ELECTRICAL SPECIFICATION

- Antenna Type: Planar Inverted F-Type Antenna
- Frequency Range:
 - 2.4GHz~2.5GHz
 - 4.9GHz~5.85GHz
- V.S.W.R: $\leq 4.6 : 1$
- Impedance: 50ohm nominal
- Normal Gain: $< 2.5\text{dbi}$ typical
 - 2.4GHz 3dbi
 - 5.1GHz 4.6dbi
 - 5.8GHz 2.5dbi
- Return loss: -10dbi max
- Type of Radiation: Omni-directional
- HPBW/Horizontal: 360°
- HPBW/Vertical: 78°
- Polarization: Linear / Vertical
- Electrical Wave: $\frac{1}{2}$
- Connector: MHF4

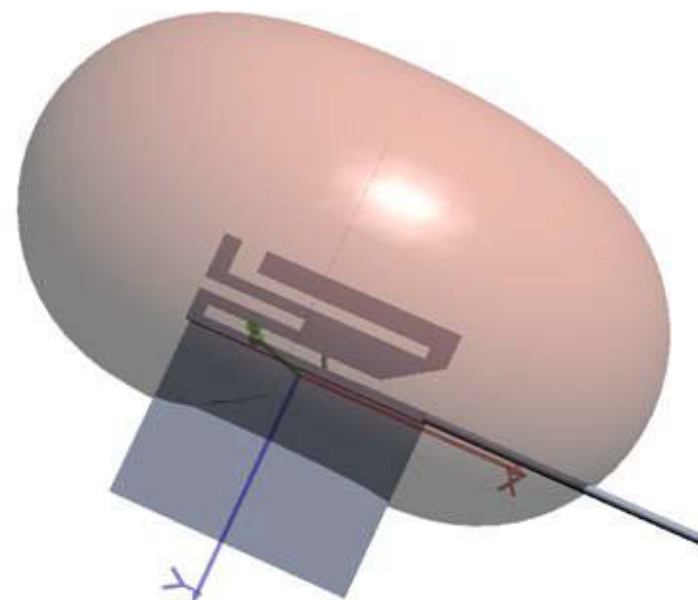
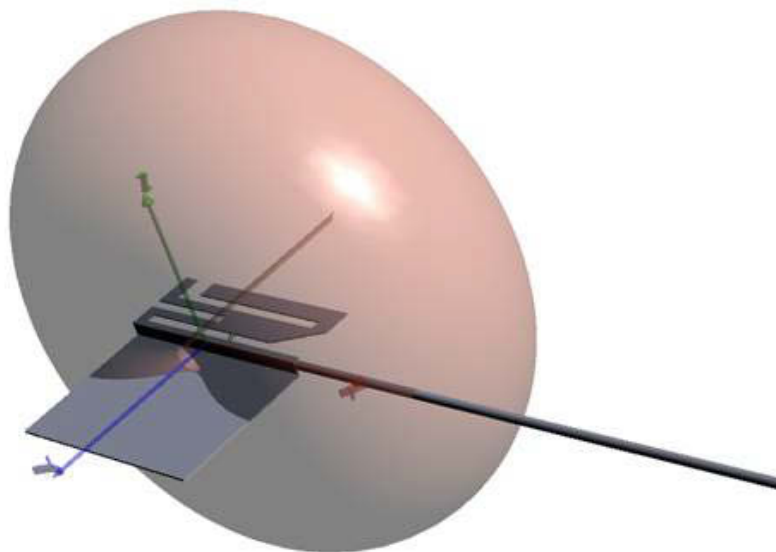
2. MECHANICAL SPECIFICATION

- Antenna Body: Metal
- Color: PCB / black cable
- Operation Temperature: $-40 \sim + 85$ degree
- Storage Temperature: $-40 \sim + 85$ degree
- Operation Humidity: RH 90%
- Storage Humidity: RH 95%
- Weight : 2.5gr max



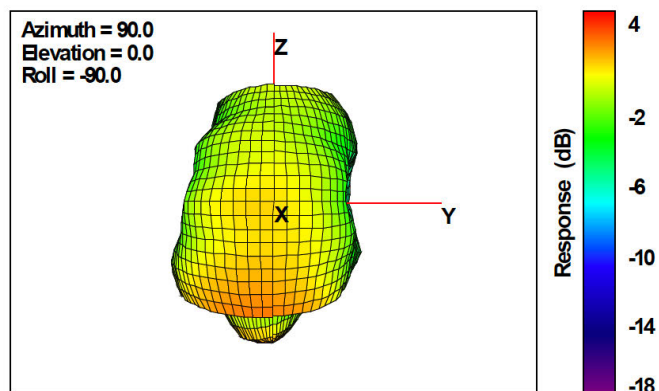
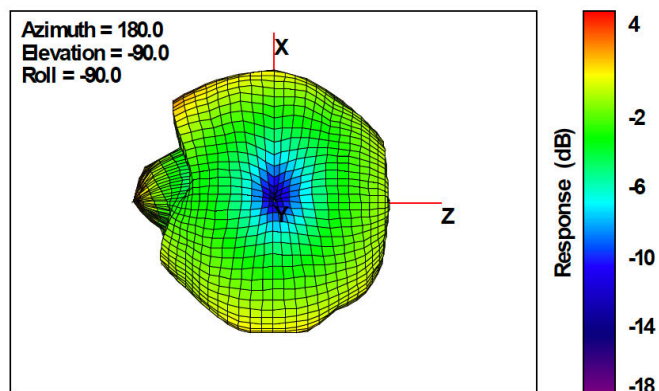
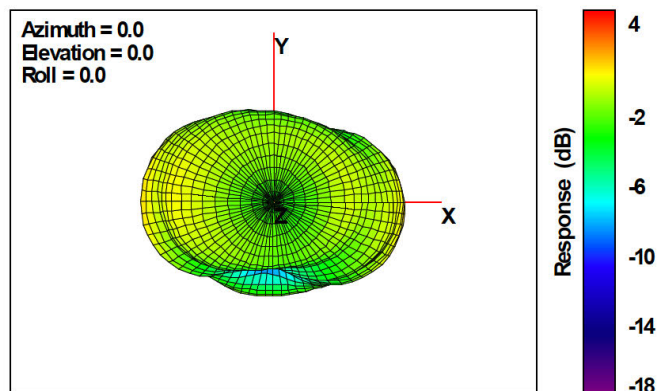
4. ANTENNA RADIATION PATTERNS

- 3D axis orientation visuals

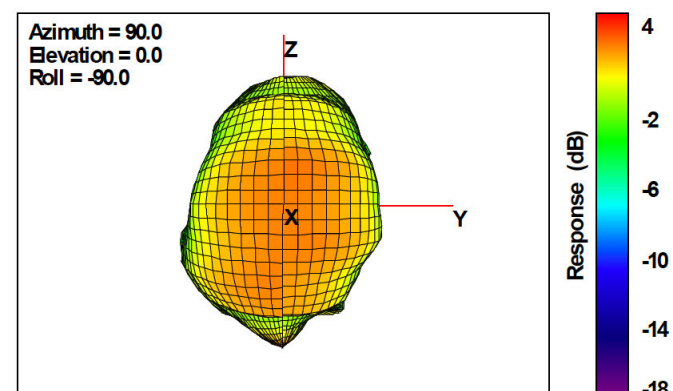
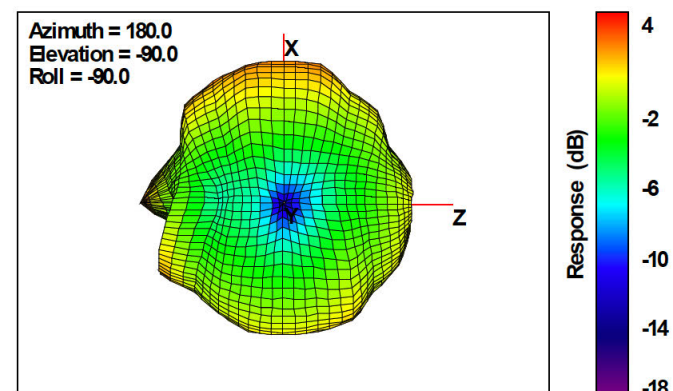
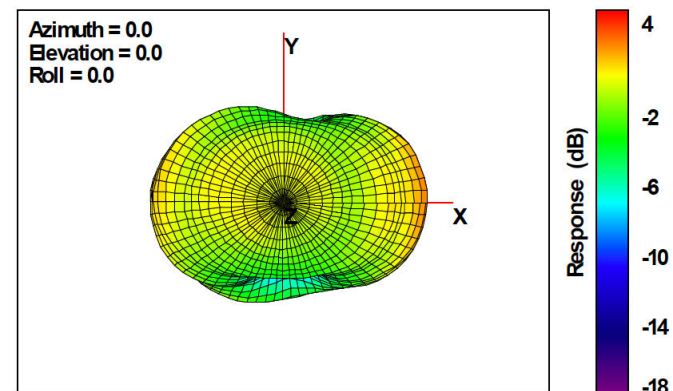


4. ANTENNA RADIATION PATTERNS

2300MHz

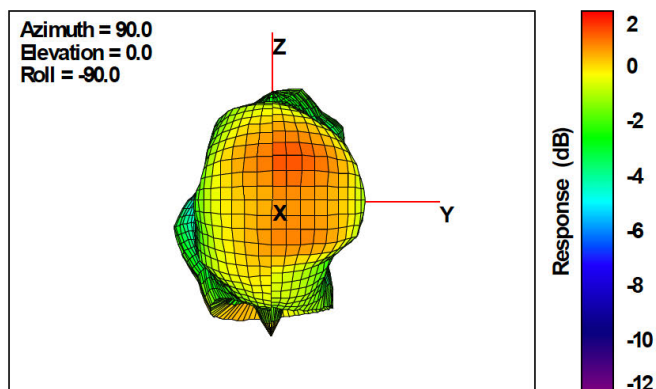
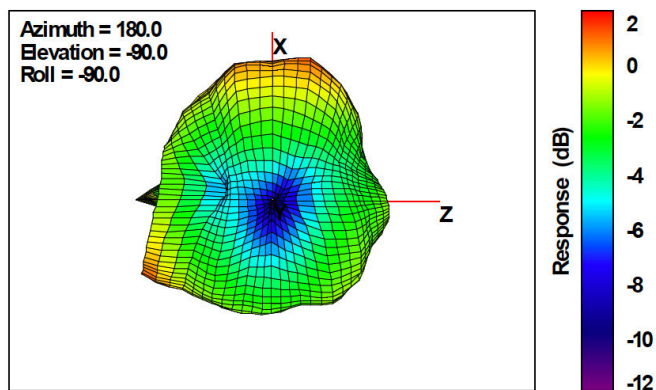
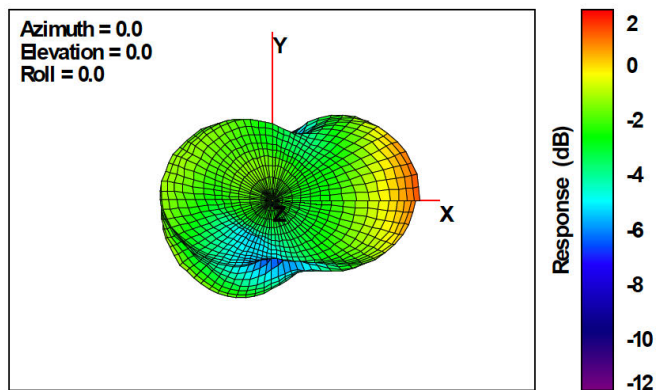


2500MHz

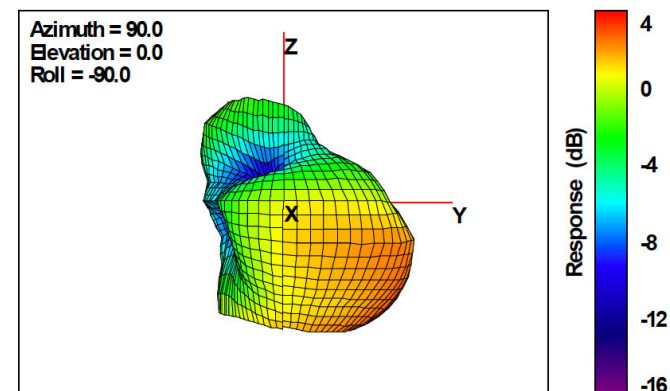
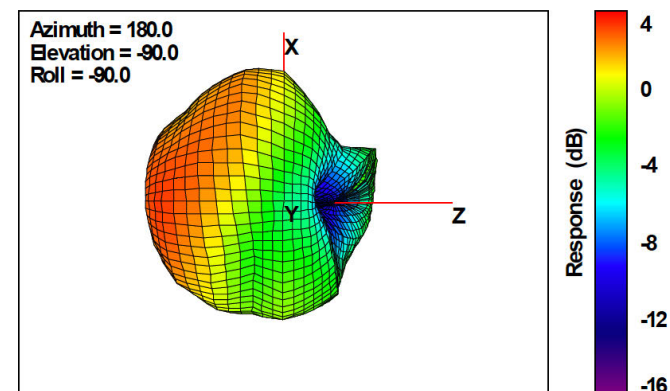
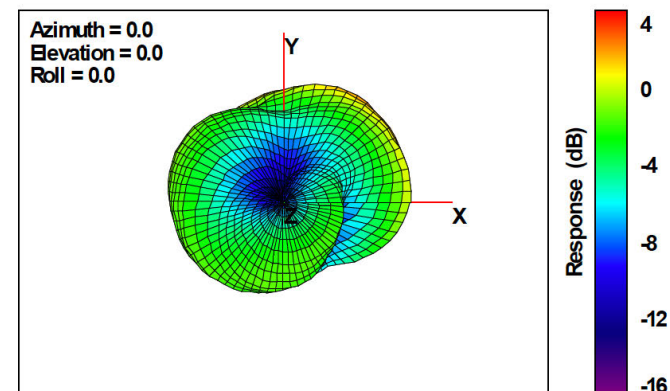


4. ANTENNA RADIATION PATTERNS

2700MHz

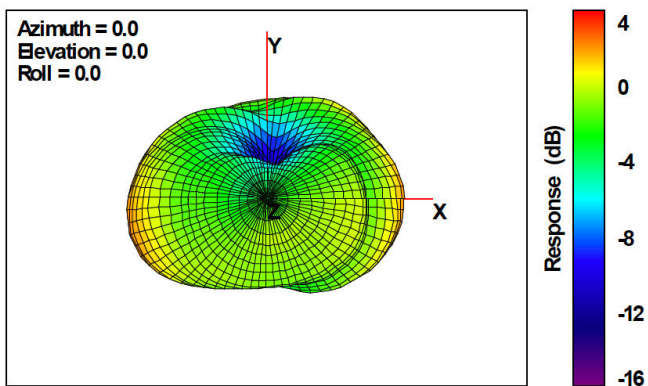
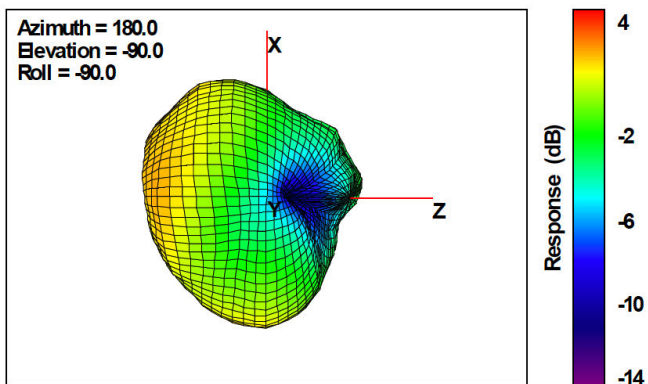
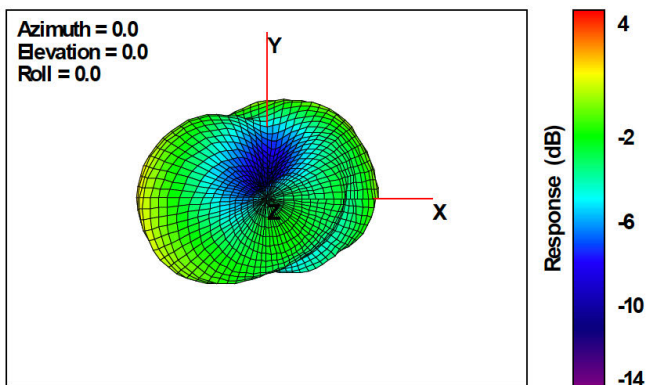


3300MHz

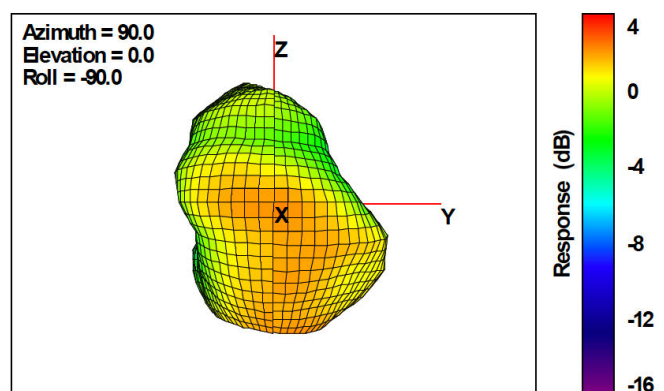
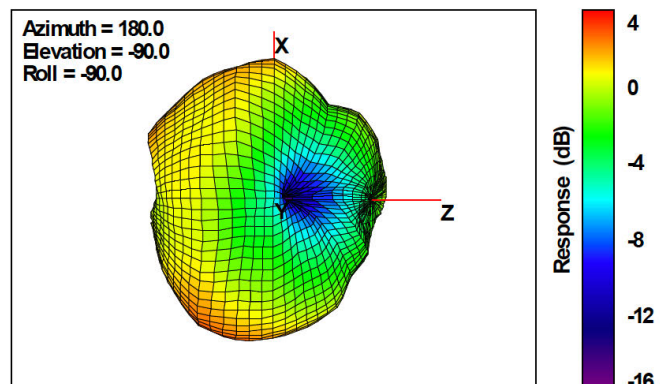
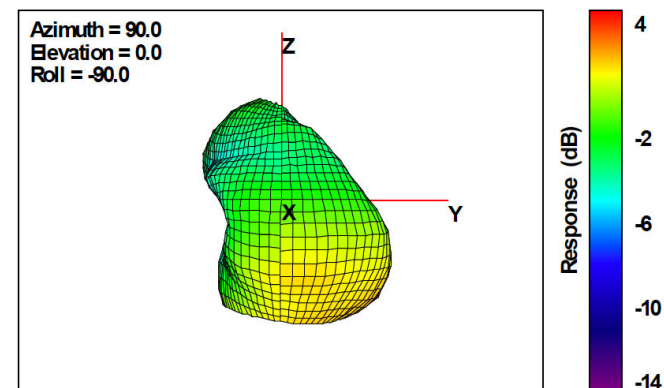


4. ANTENNA RADIATION PATTERNS

3500MHz

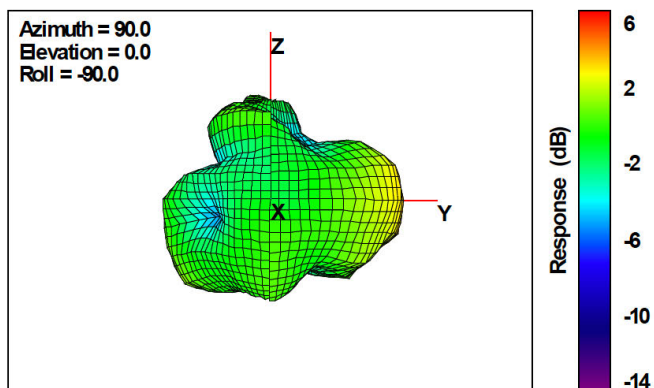
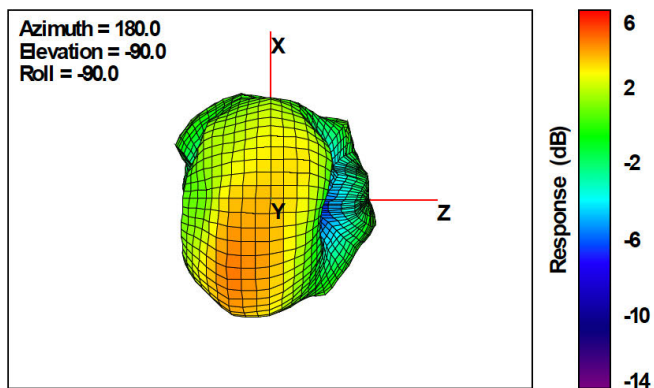
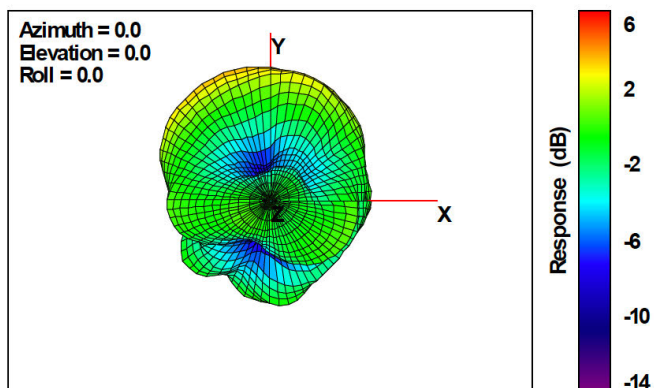


3800MHz

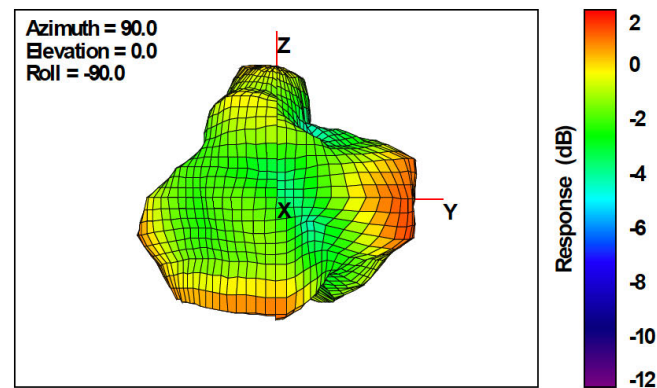
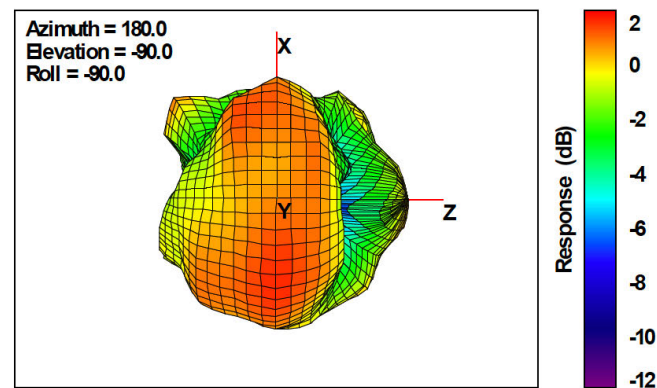
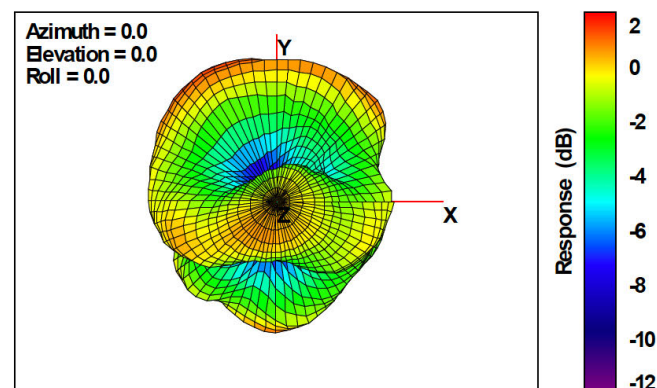


4. ANTENNA RADIATION PATTERNS

5150MHz



5500MHz



4. ANTENNA RADIATION PATTERNS

5875MHz

