

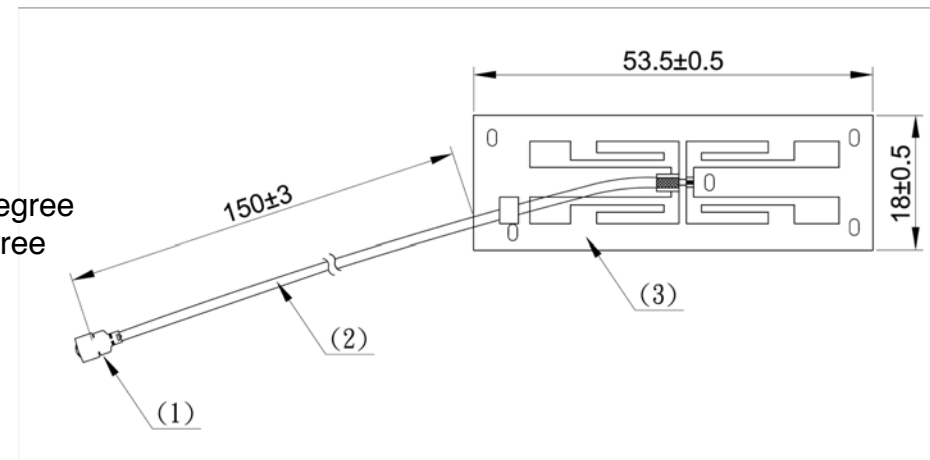
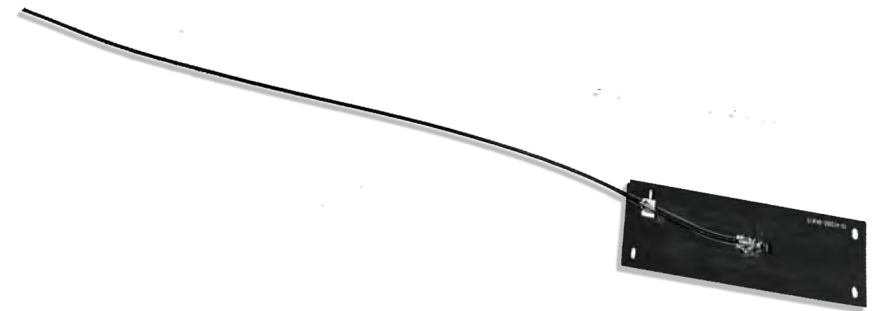
The WAFH-2DB4 Series are easy-to-fit dual band, compact, embedded FlexPC antennas for a wide variety of wireless applications. The MHF4 connector of this series is omnipresent in communication NGFF (M.2) form-factor WiFi, bluetooth & GPS, cellular and mobile modules.

1. ELECTRICAL SPECIFICATION

- Antenna Type: FPC-Type Antenna
- Frequency Range:
 - 2.4GHz~2.5GHz
 - 4.9GHz~5.85GHz
- V.S.W.R: $\leq 3.09 : 1$
- Impedance: 50ohm nominal
- Normal Gain: $< 2.5\text{dbi}$ typical
 - 2.4GHz 2.7dbi
 - 5.1GHz 1.8dbi
 - 5.8GHz 2.6dbi
- 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

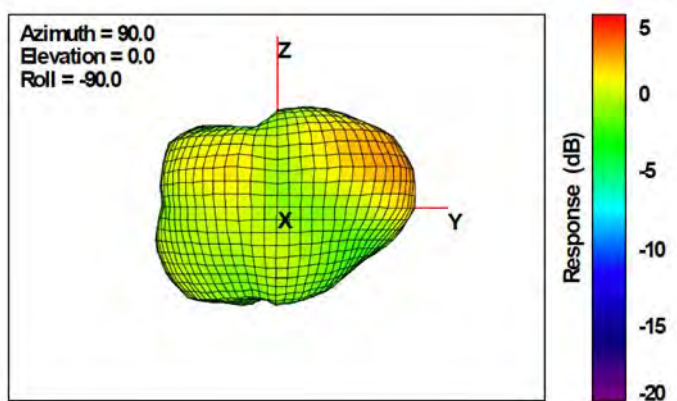
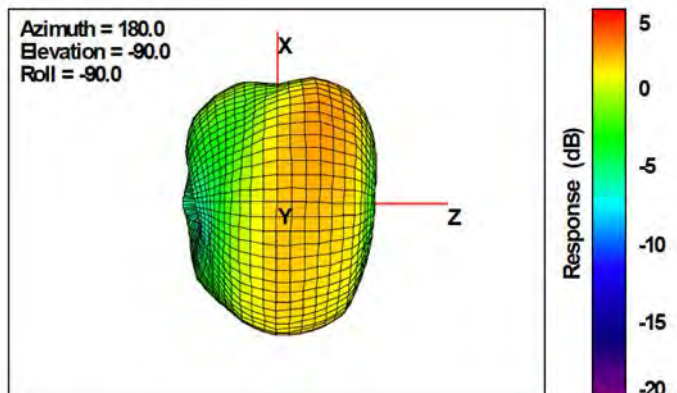
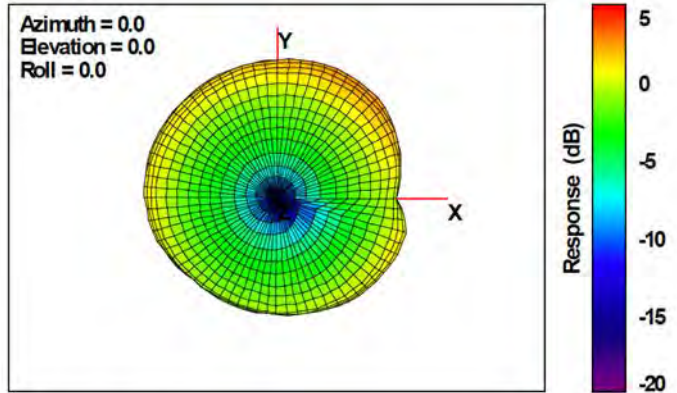
2. MECHANICAL SPECIFICATION

- Antenna Body: FPC
- 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 : 1.2gr max

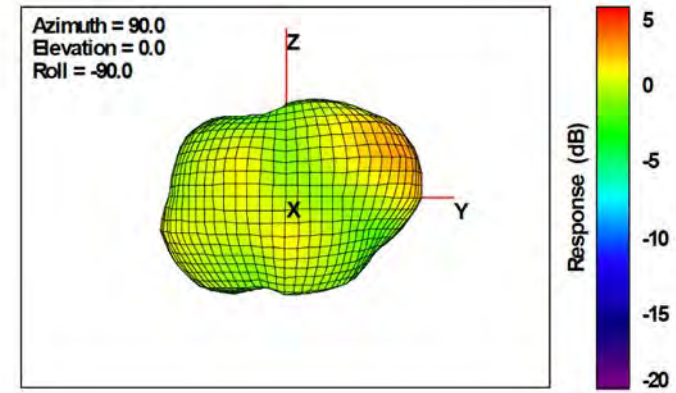
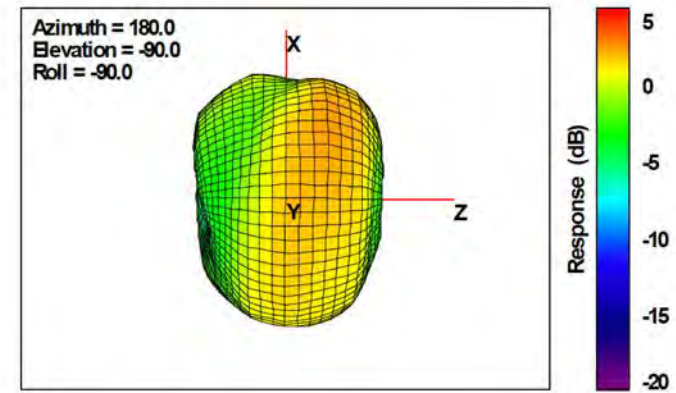
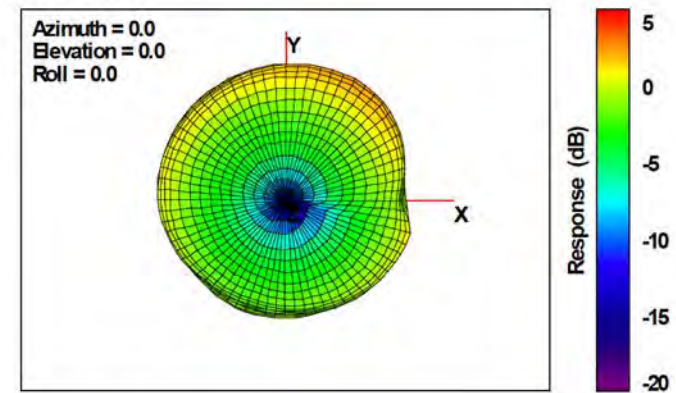


4. ANTENNA RADIATION PATTERNS

2400MHz

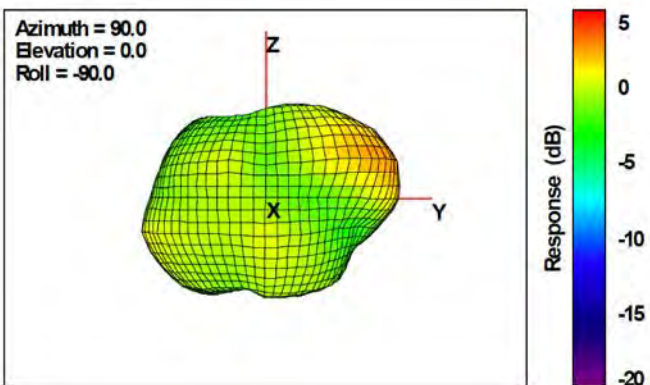
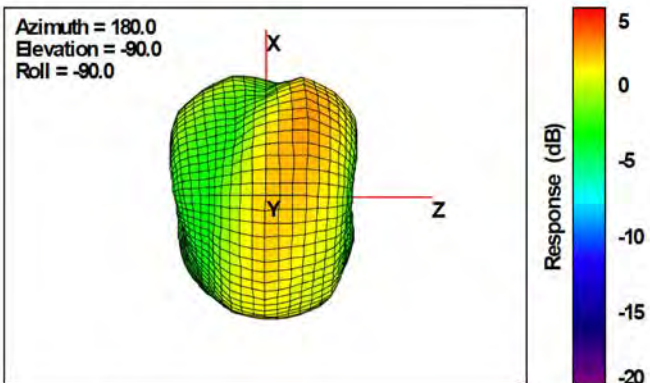
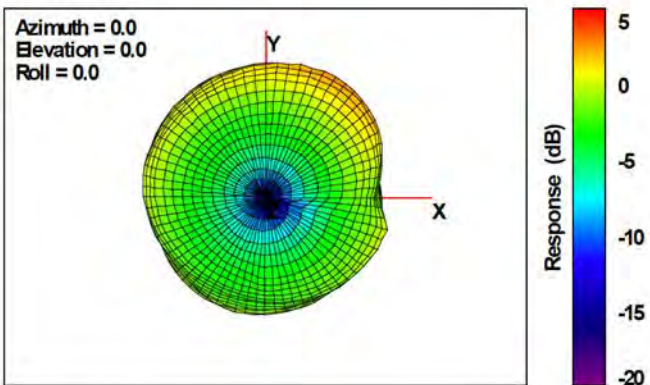


2450MHz

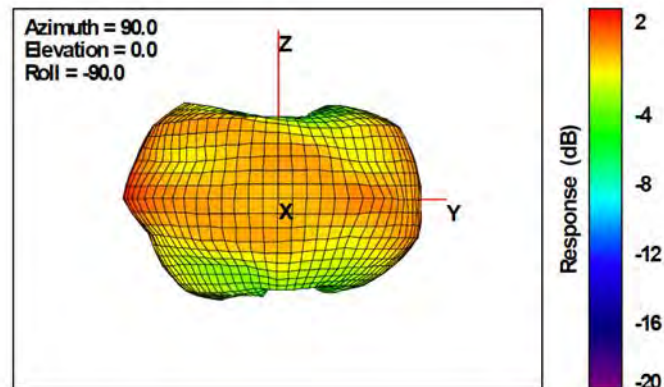
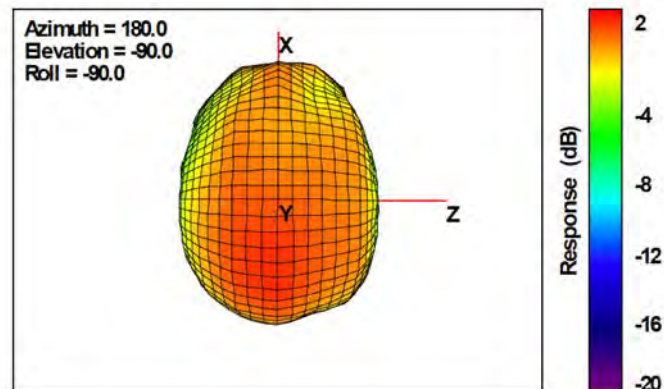
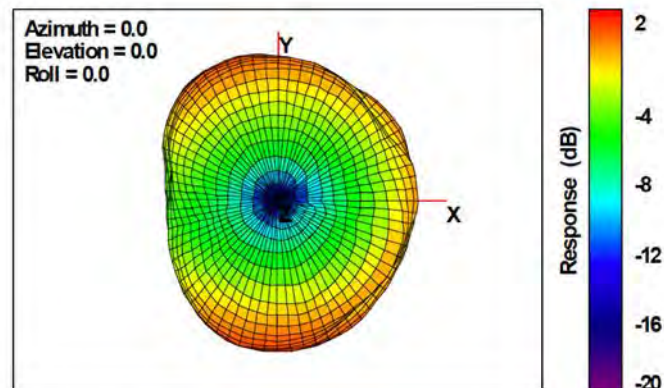


4. ANTENNA RADIATION PATTERNS

2500MHz

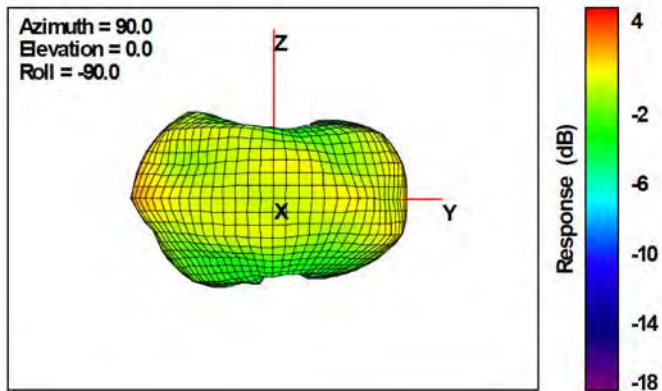
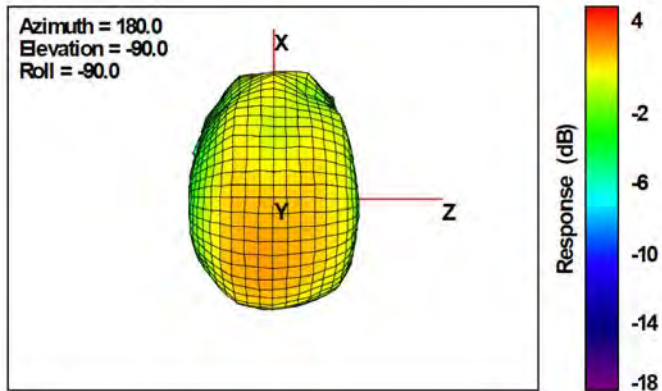
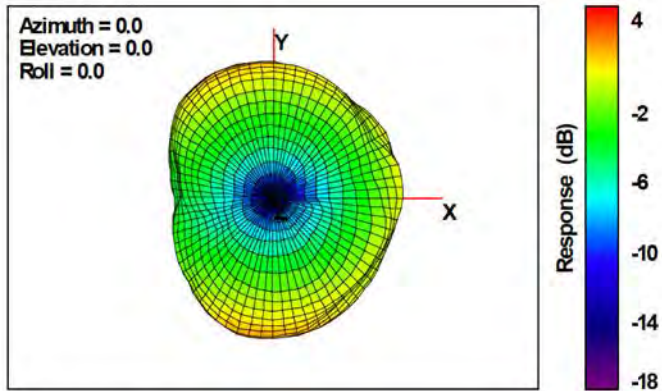


5100MHz

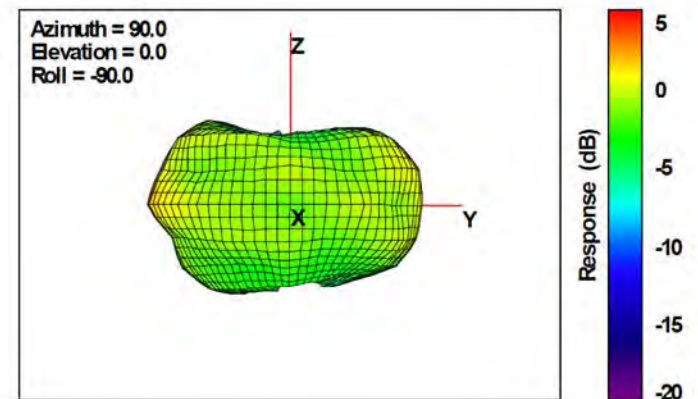
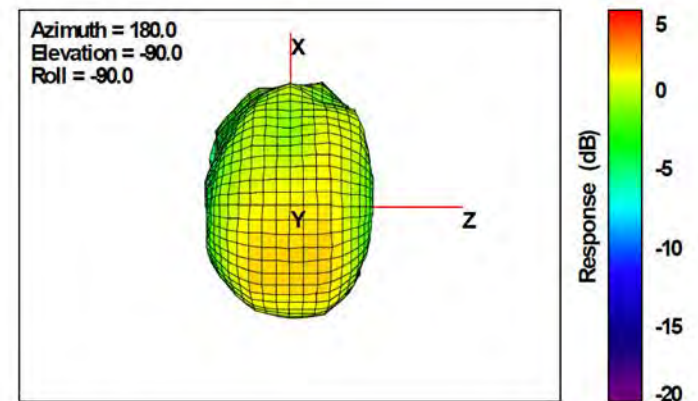
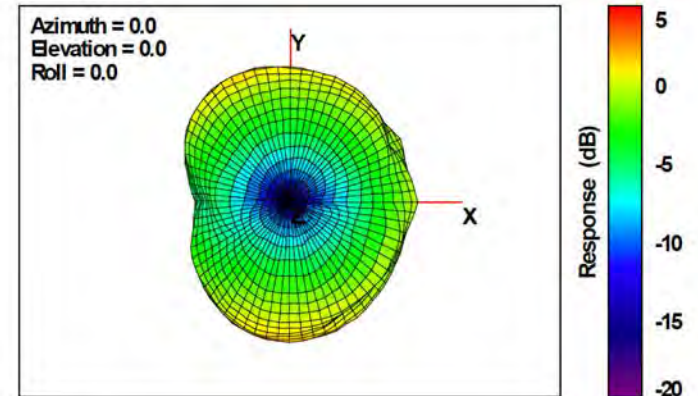


4. ANTENNA RADIATION PATTERNS

5150MHz

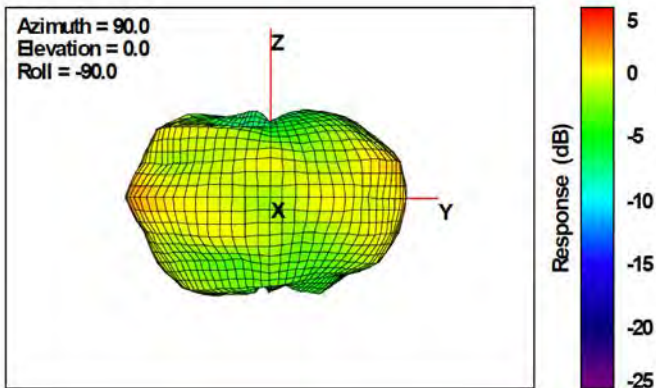
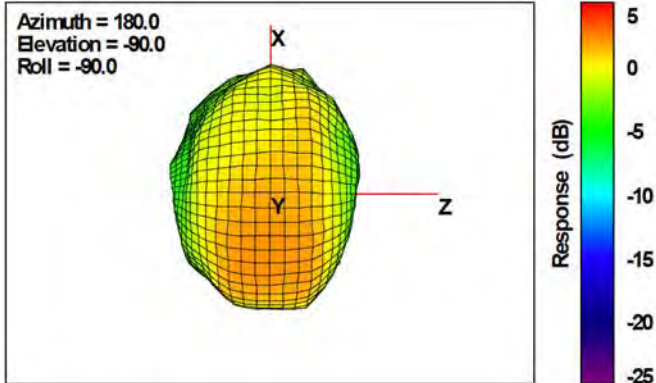
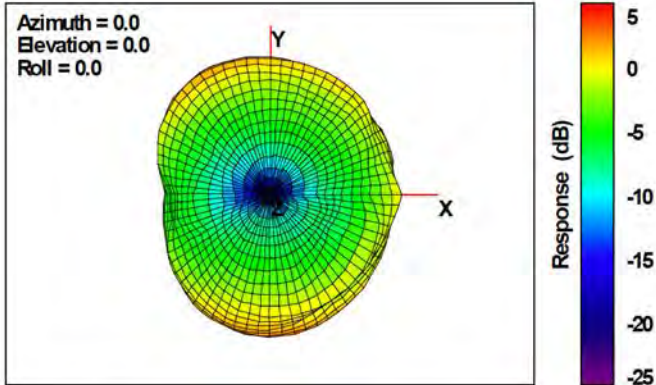


5350MHz

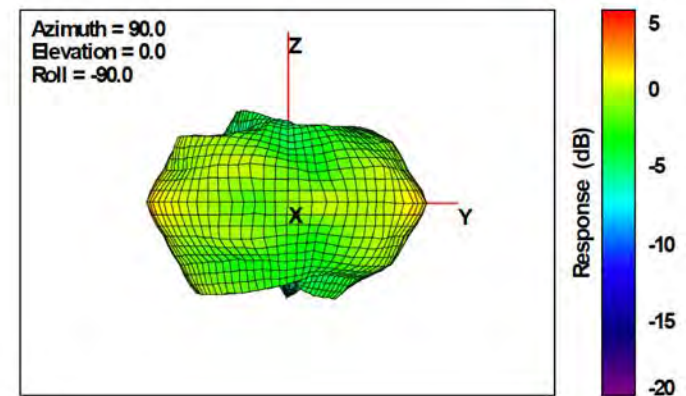
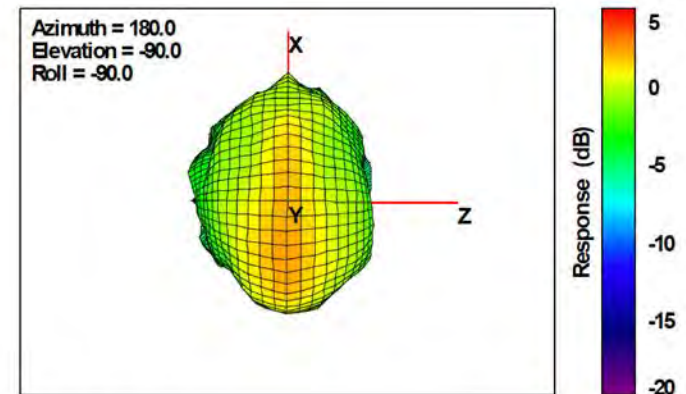
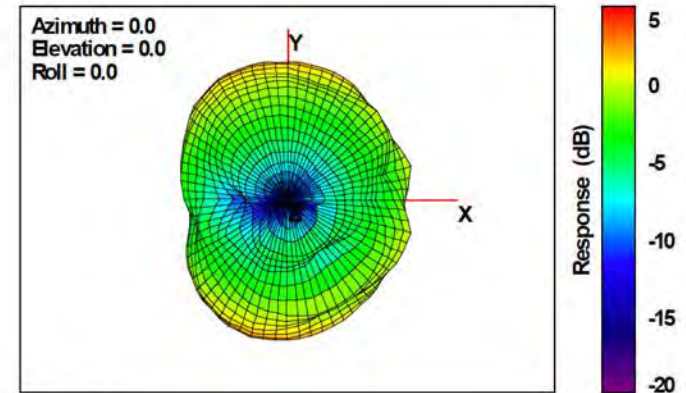


4. ANTENNA RADIATION PATTERNS

5500MHz

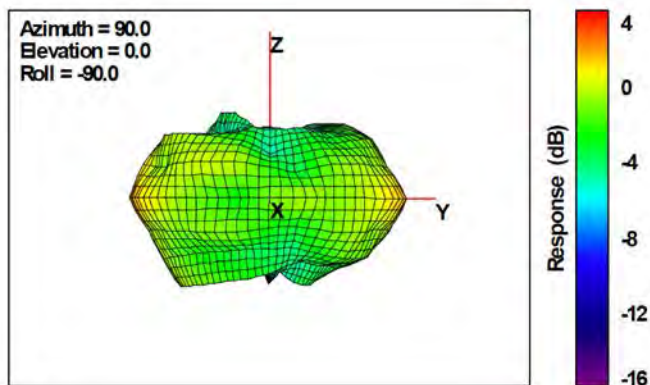
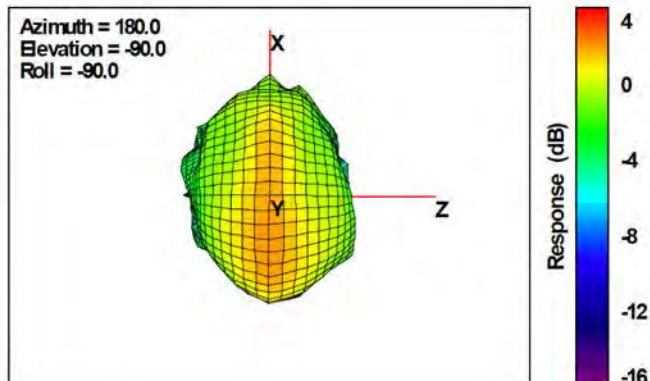
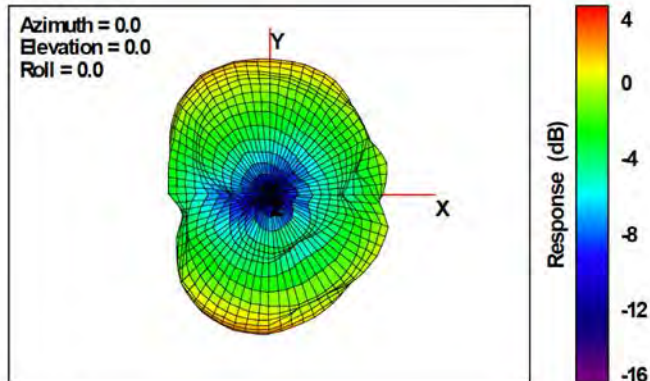


5750MHz



4. ANTENNA RADIATION PATTERNS

5800MHz



5850MHz

