

**EtherDAS™**  
**Omni-Directional In-Building Antenna**  
**698-2700 MHz**

**Electrical Specifications**

Typical Characteristics

VSWR	
698-930 MHz	≤ 1.8:1
931-960 MHz	≤ 2.0:1
1710-2700 MHz	≤ 1.8:1
Typical Peak Gain	
698-960 MHz	1 dBi
1710-2700 MHz	6 dBi
Polarization	Vertical
Low band Beamwidth (typical) 698-960MHz	Horizontal: 360° Vertical : 80°
High band Beamwidth (typical) 1710-2700MHz	Horizontal: 360° Vertical : 65°
Nominal Impedance	50 Ω
Input Power, Max.	50 Watts
IM3 (2 tones of 43dBm)	≤ -153dBc in all bands

**Mechanical Specifications**

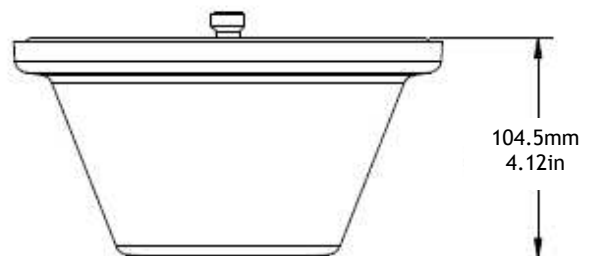
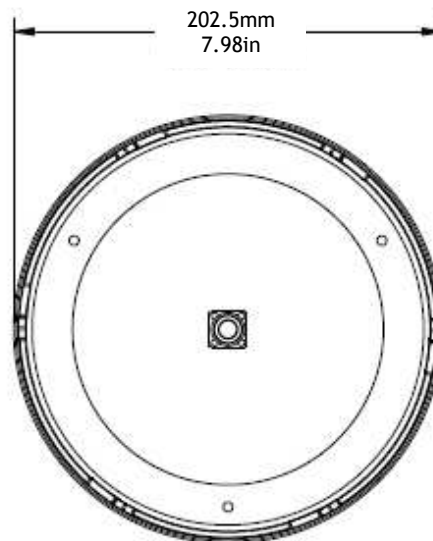
Typical Characteristics

Diameter	202.5 mm
Height	104.5 mm
Connector	N Female
Mounting	Thru-hole ceiling mount
Net Weight	0.42 Kg
Radome Color	White
Radome Material	ABS, UV resistant

**RoHS Compliant**

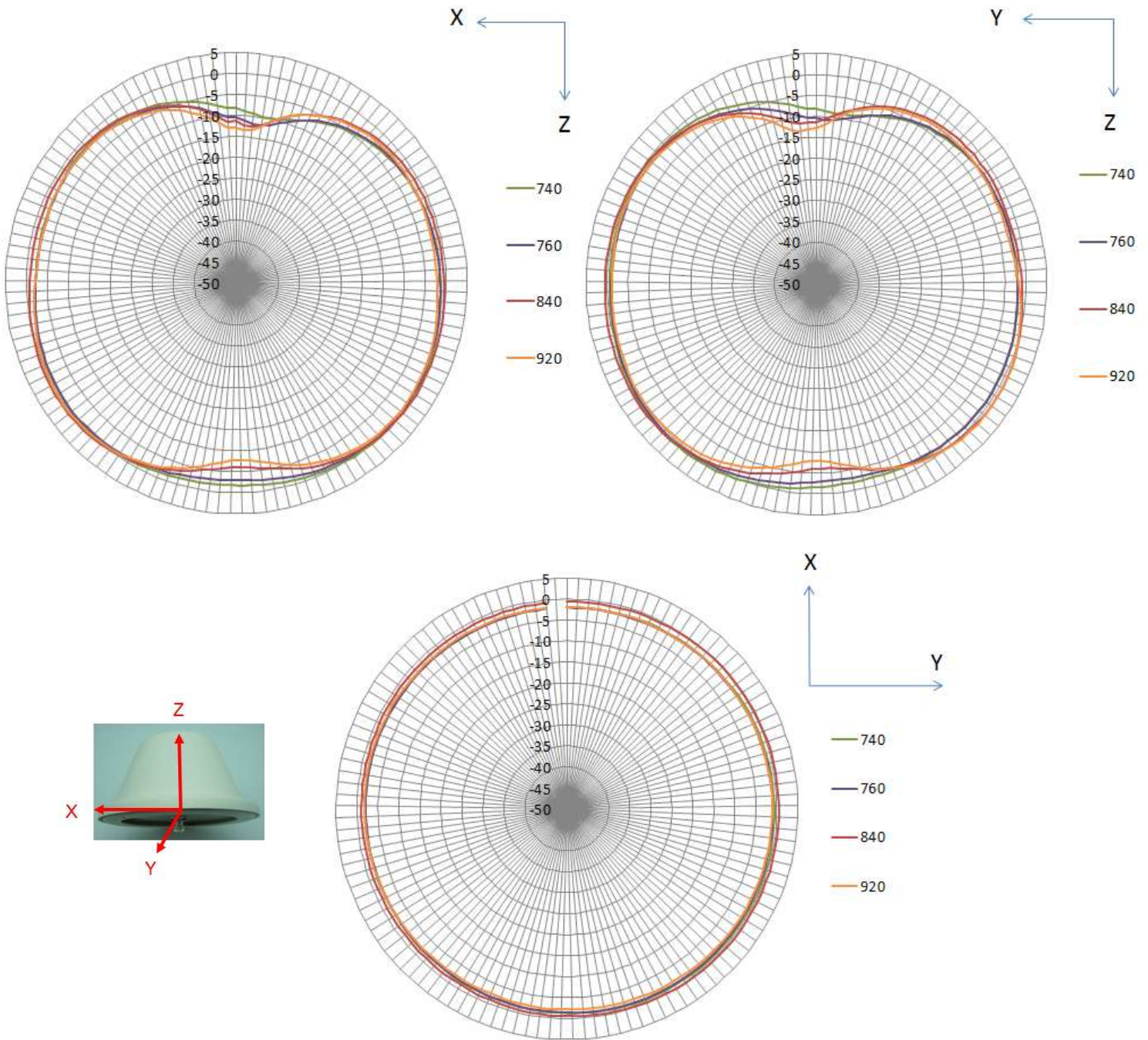
Ethertronics' antennas comply with the European RoHS Directive 2002/95/EC.

**Assembled in USA.**



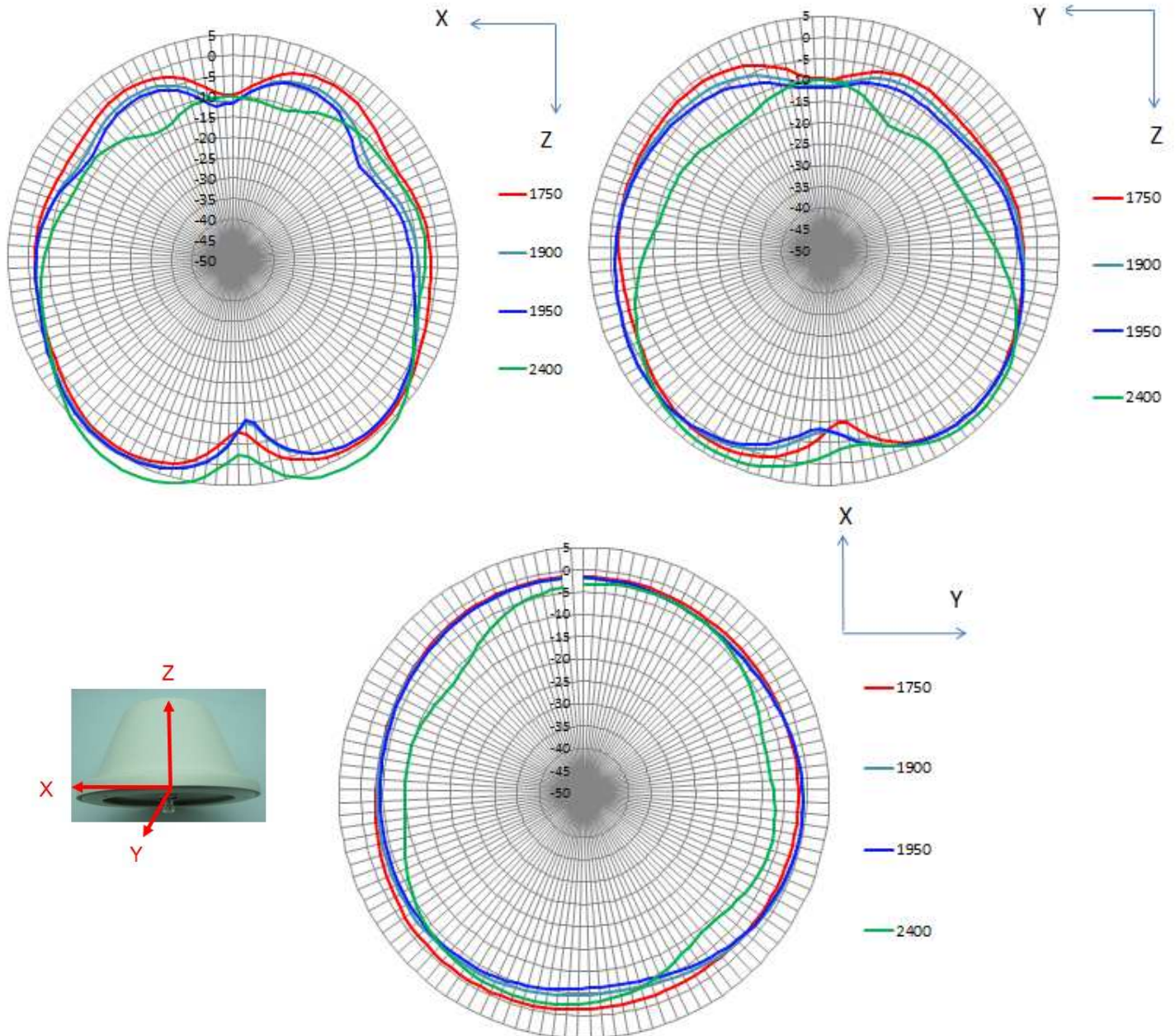
**Measured Radiation Patterns in Low Band 698-960MHz.**

Frequency in MHZ

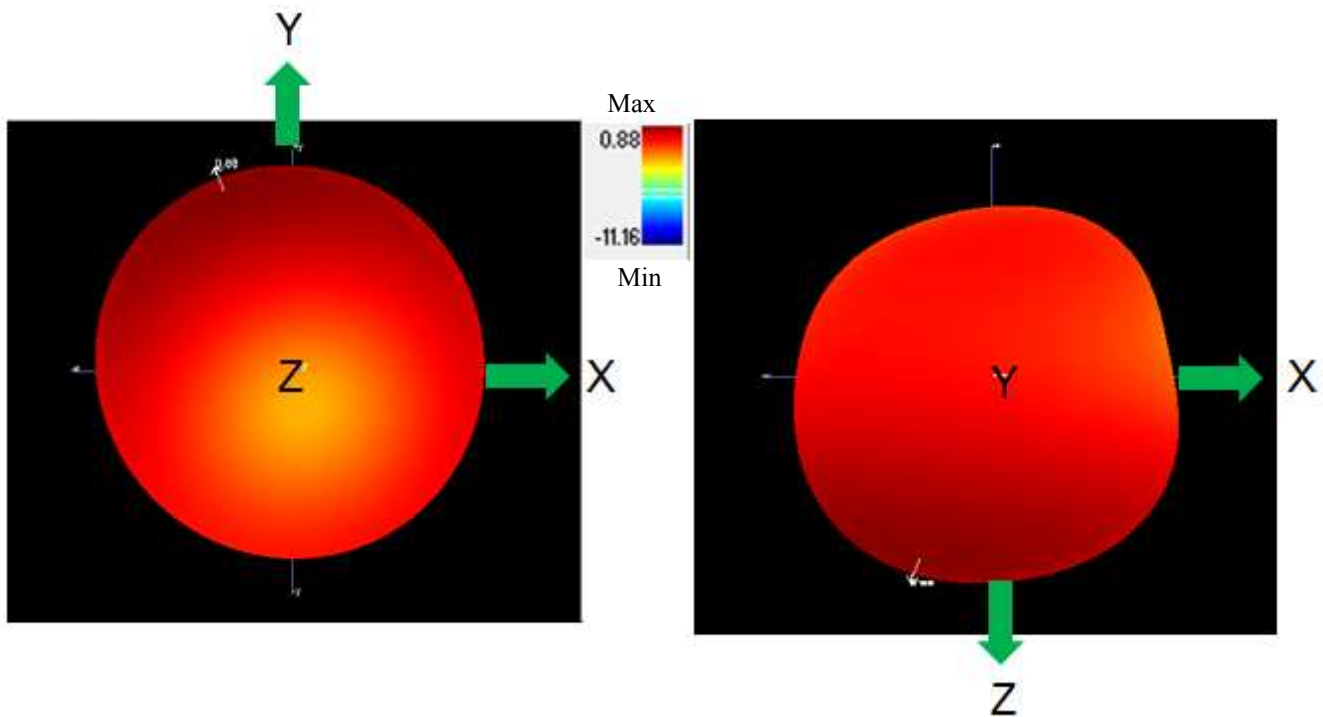


**Measured Radiation Patterns in Low Band 1710-2700MHz.**

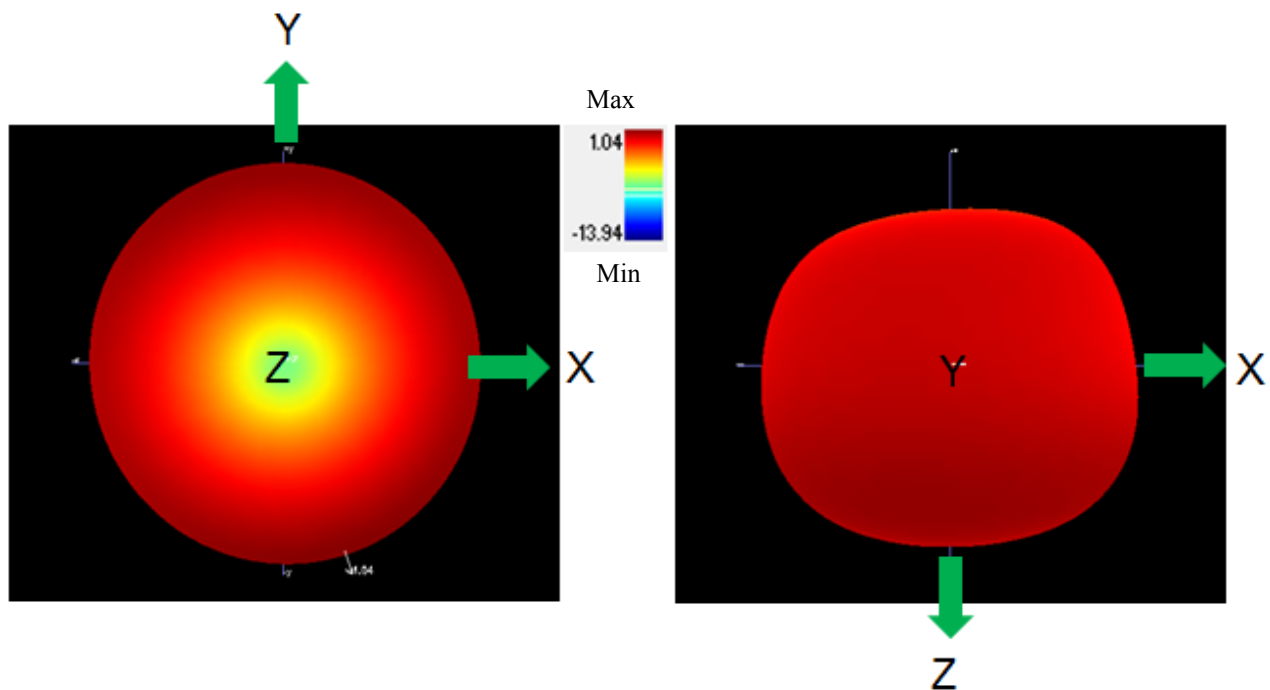
Frequency in MHz



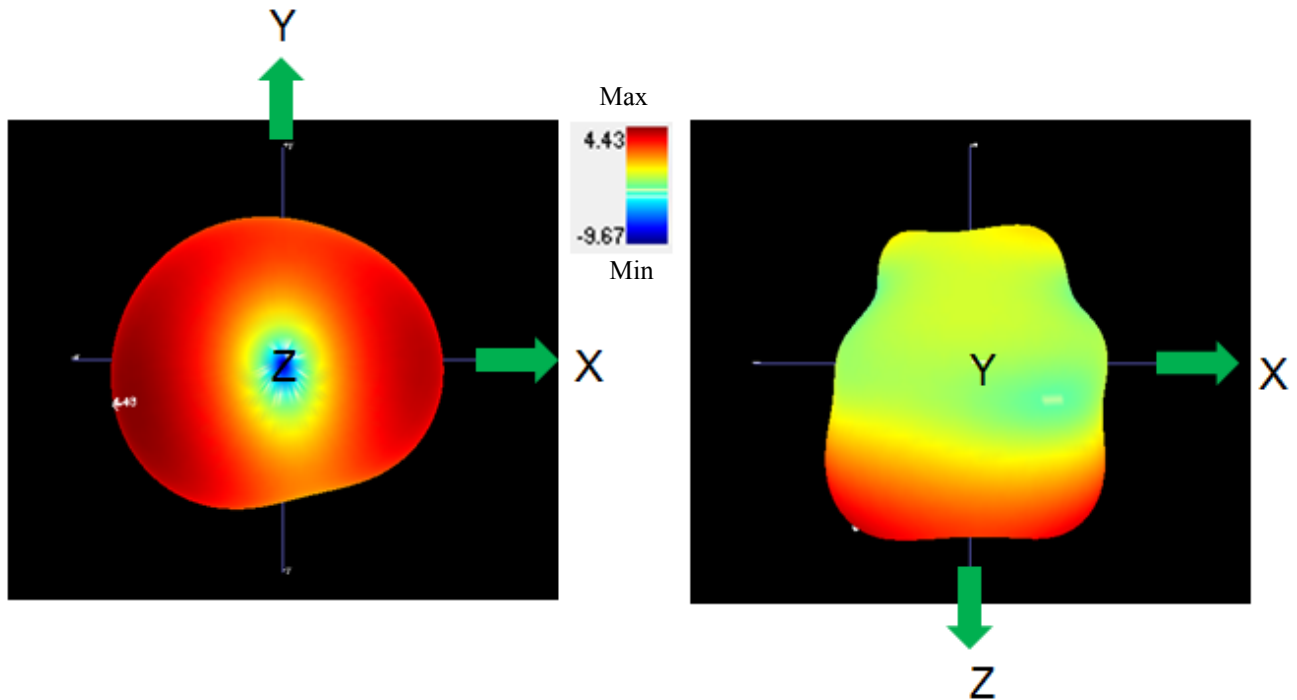
Measured 3D Radiation Patterns at 750MHz



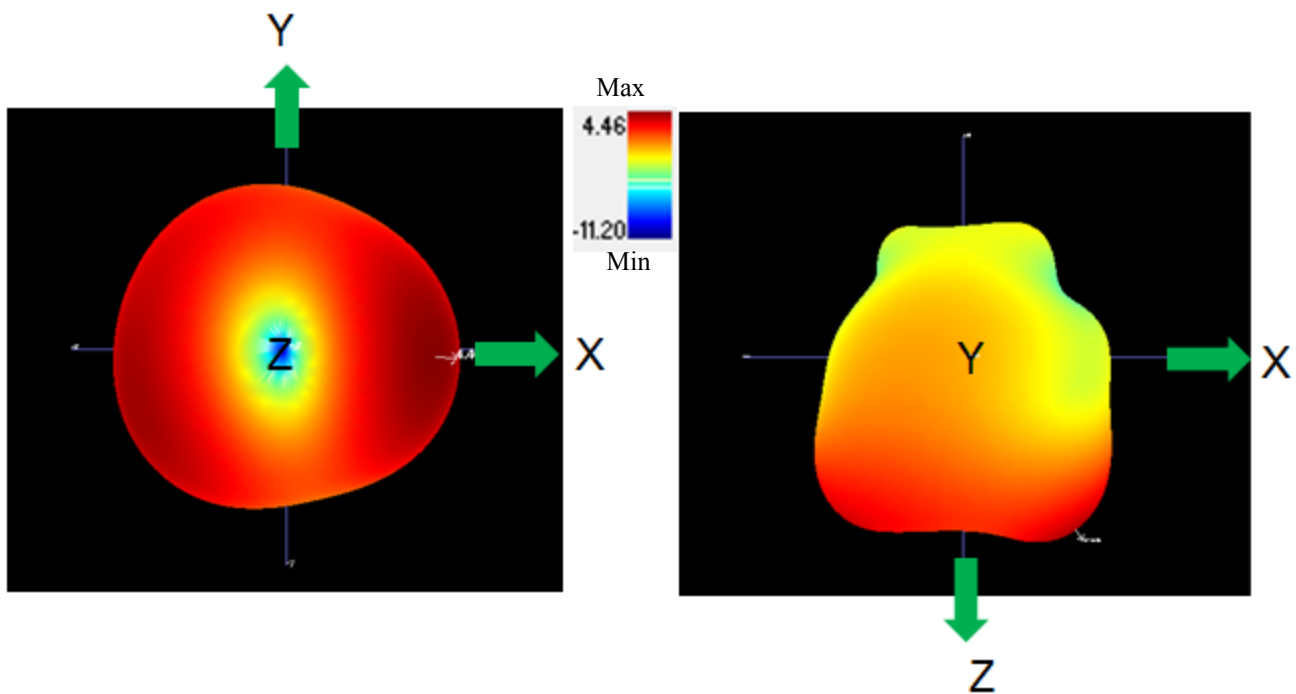
Measured 3D Radiation Patterns at 850MHz



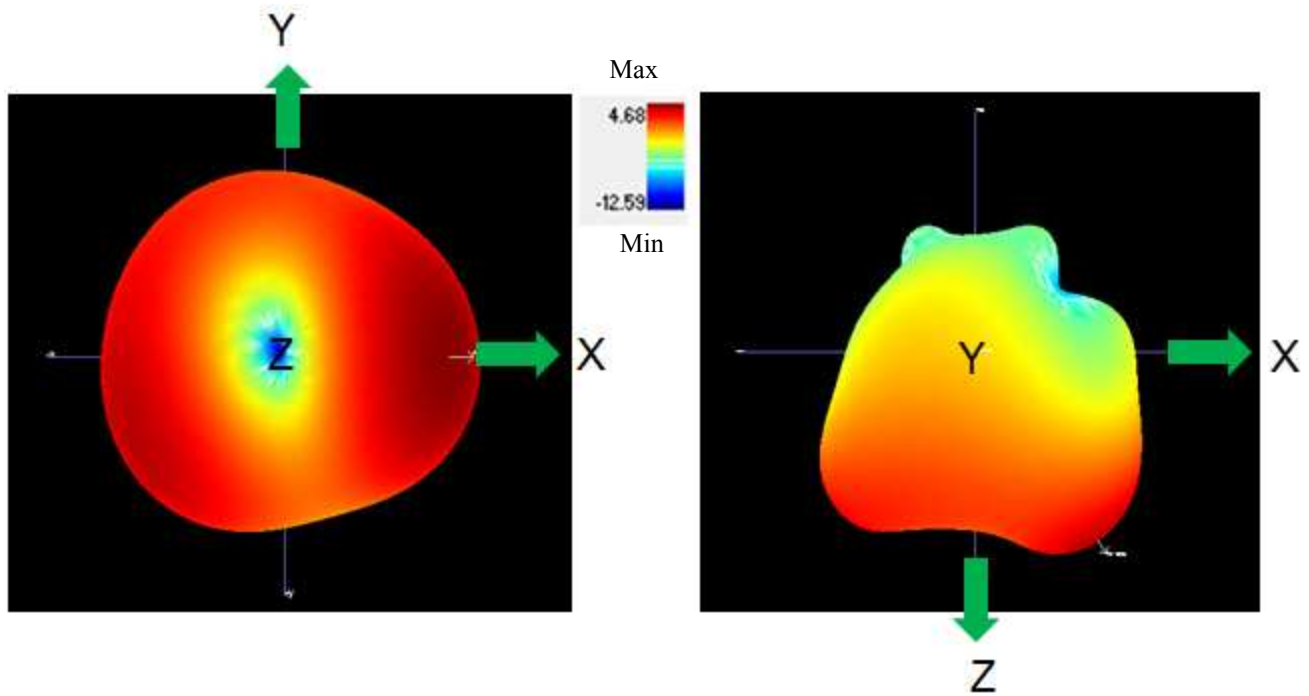
Measured 3D Radiation Patterns at 1750MHz



Measured 3D Radiation Patterns at 1850MHz



Measured 3D Radiation Patterns at 1950MHz



Measured 3D Radiation Patterns at 2150MHz

