

2J3683M

5G NR Magnetic Mount



FEATURES

- Magnetic Mount
- High Performance
- Ground Plane Dependent
- 5G NR (617-960, 1427-2690, 3300-3800 and 5150-5925 MHz)
- 31 x 31 x 104 mm
- Customizable Cable and Connector

ANTENNA AND ELECTRICAL SPECIFICATIONS

Spectrum	5G NR Antenna			
Technologies	5G, 4G, 3G and 2G			
Standards	5G NR, FirstNet, CBRS, 4G LTE, CAT-X, CAT-MX, CAT-NBX, 3G, 2G, Cellular, HSPA+, UMTS, WCDMA, CDMA, GSM, GPRS, EDGE, EV-DO			
Frequency (MHz)	617-960	1427-2690	3300-3800	5150-5925
Band (MHz)	600, 700, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700	5200, 5500, 5800
5G NR Bands	n5, n8 ,12, n20, n28, n71	n1, n2, n3, n7, n25, n34, n38, n39, n40, n41, n50, n51, n65, n66, n70, n74, n75, n76, n84, n85	n77, n78, n80, n81, n82, n83	
4G LTE Bands	B5, B6, B8, B12, B13, B14, B17, B18, B19, B20, B26, B27, B28, B29, B44, B67, B68, B71, B85	B1, B2, B3, B4, B7, B9, B10, B11, B21, B23, B24, B25, B30, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B45, B50, B51, B65, B66, B69, B70, B74, B75, B76	B22, B42, B43, 48, 49, 52	B46, B47, B252, B255
3G CELL Bands	B5, B6, B8, B12, B13, B14, B19, B20, B26	B1, B2, B3, B4, B7, B9, B10, B11, B21, B25, B32, B33, B34, B35, B36, B37, B38, B39, B40	B22	
EVDO CELL Bands	B0, B2, B3, B7, B9, B10, B12, B18, B19	B1, B4, B6, B8, B13, B14, B15, B16, B20, B21		
2G CELL Bands	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		

Parameters	5G NR Antenna			
Frequency (MHz)	617-960	1427-2690	3300-3800	5150-5925
Return Loss (dB)	~-8.7	~-12.6	~-8.7	~-6.8
VSWR	~2.2:1	~1.7:1	~2.3:1	~2.8:1
Efficiency (%)	~62.4	~53.6	~34.9	~22.7
Peak Gain (dBi)	~1.3	~2.2	~3.2	~-0.8
Average Gain (dB)	~-2.1	~-2.7	~-4.6	~-6.4
Impedance (Ohm)	50			
Polarization	Linear			
Radiation Pattern	Omni-Directional			
Max Input Power (W)	35			
Connector Type	SMA-Male Standard (Other Connectors Available)			
Cable Length	300 cm Standard (Any Cable Length Available)			
Cable Type	LL100 Standard (Other Cables Available)			

Antenna Measurement Conditions

Mounted on 30 x 30 cm Metal Plate

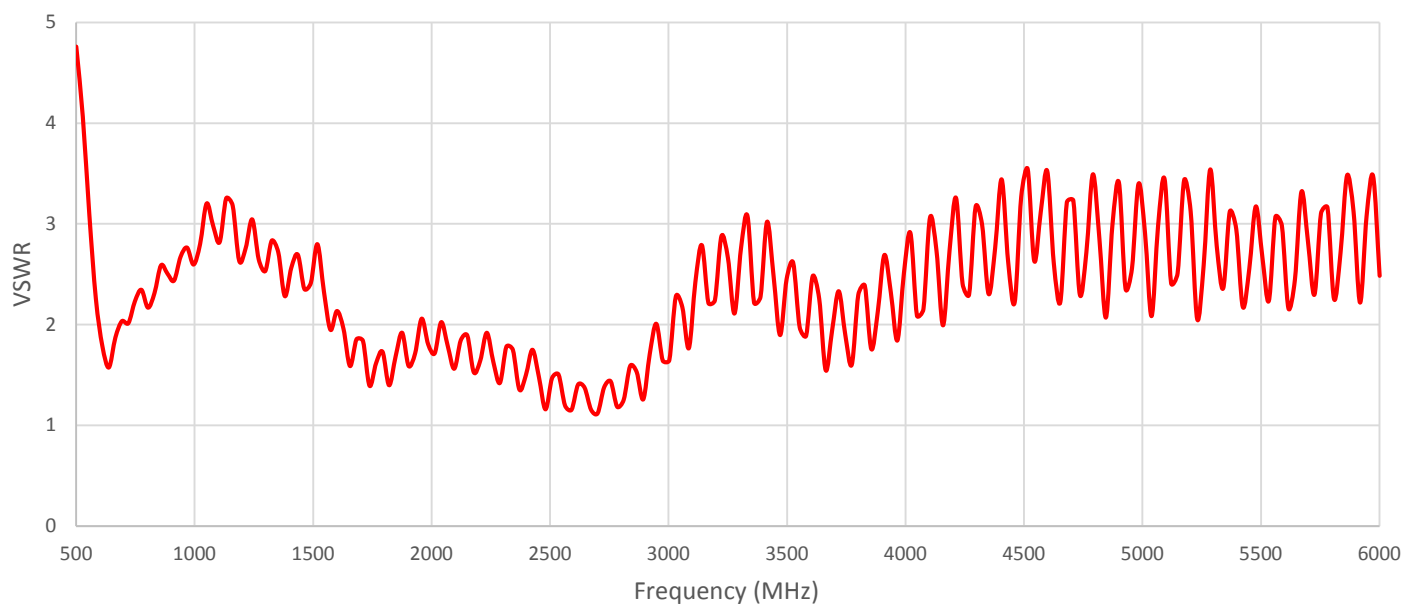
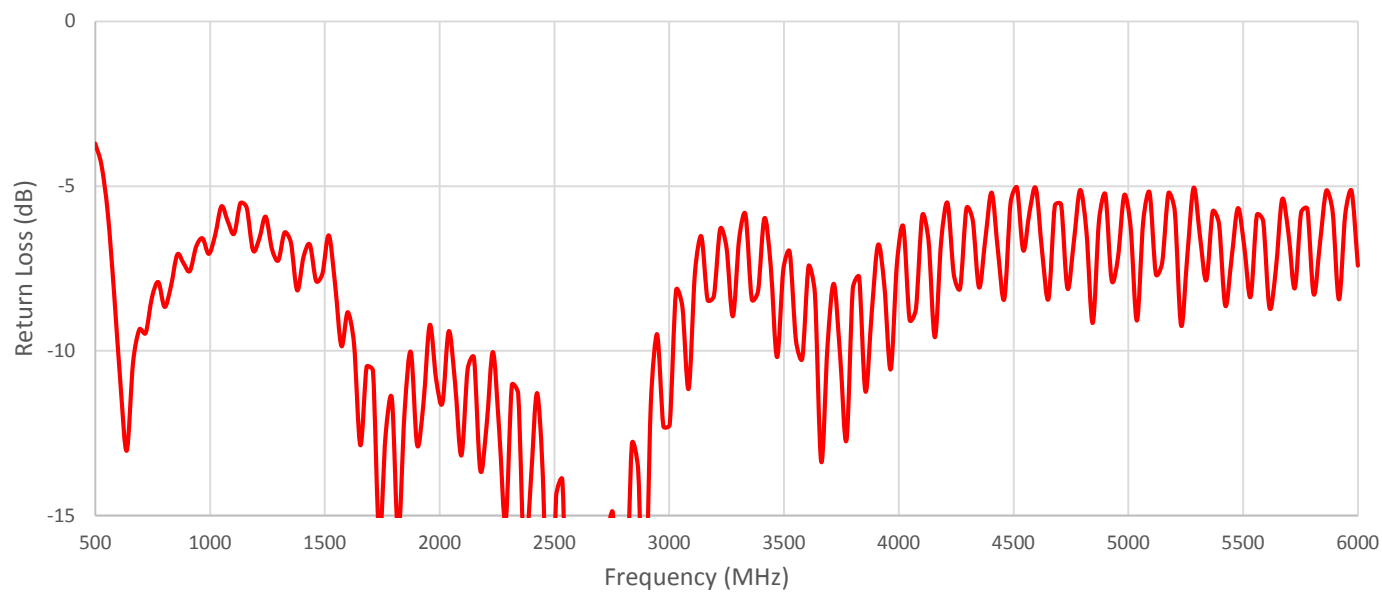
100 cm of Cable LL100

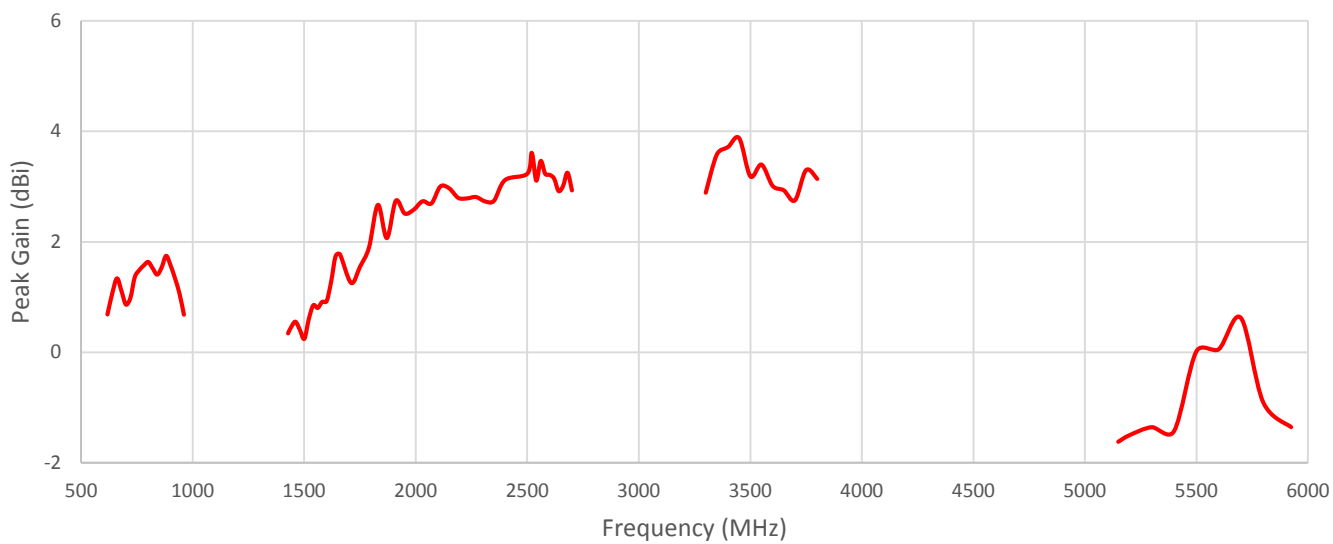
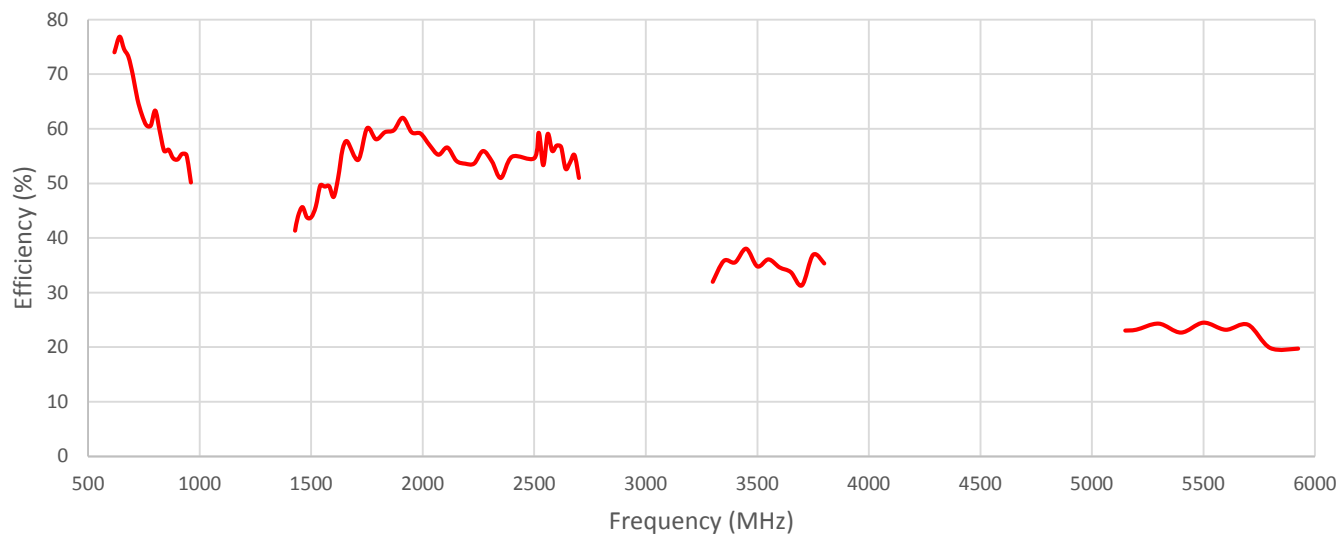
Measured in Certified CTIA 3D Anechoic Chamber

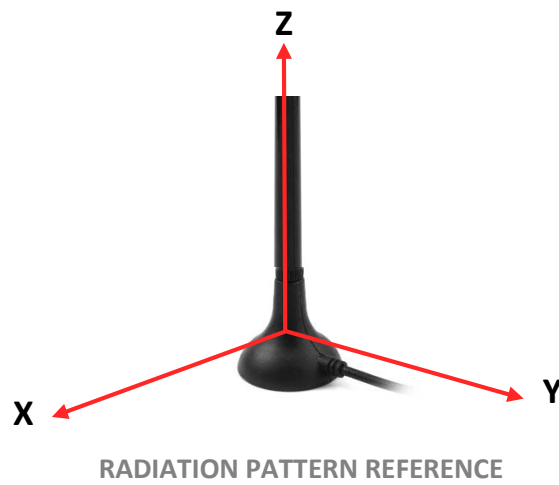
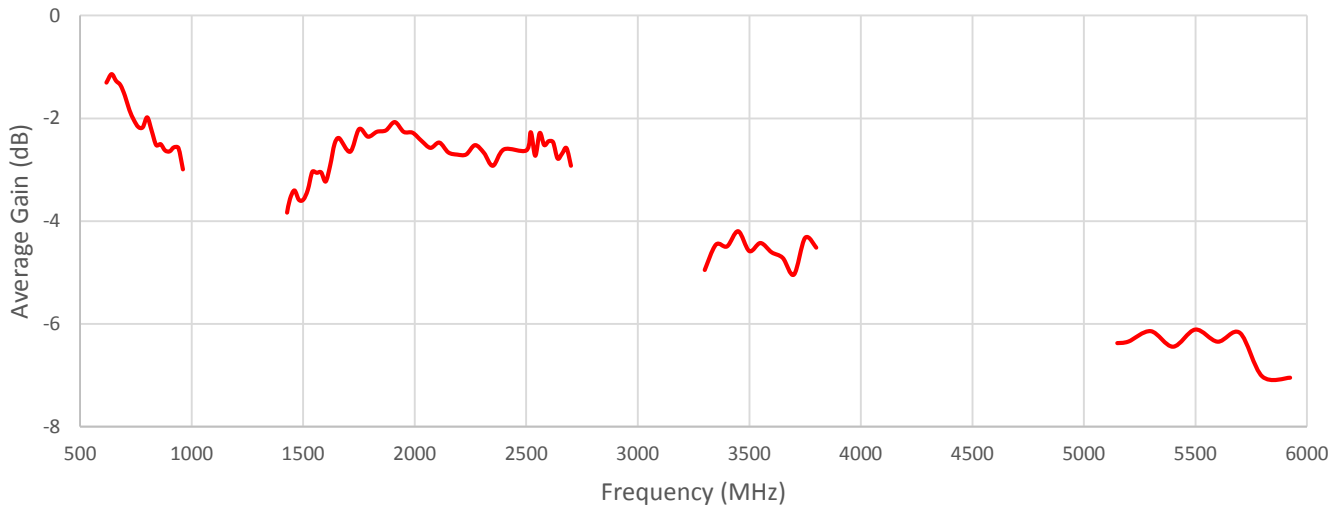
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

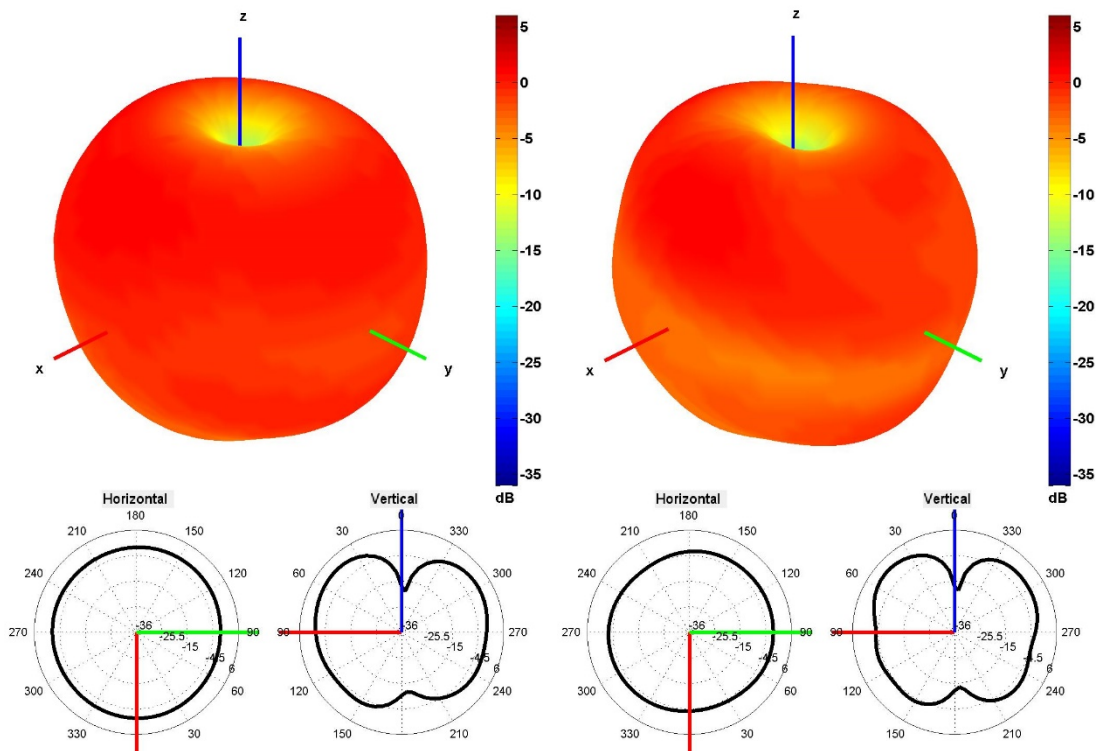
Specification	2J3683M
Mounting Type	Magnetic Mount
Dimensions (mm)	31 x 31 x 94
Radome Color	Black
Antenna Base	PP
Whip Material	Brass
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

ANTENNA PARAMETERS

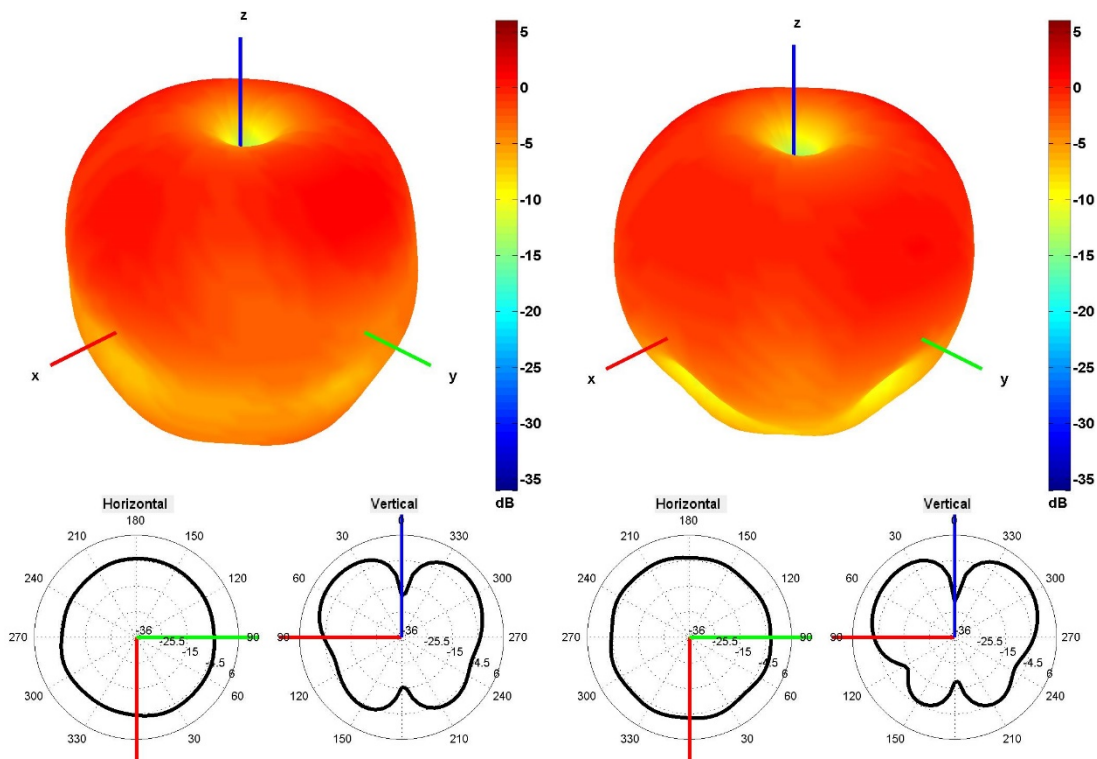




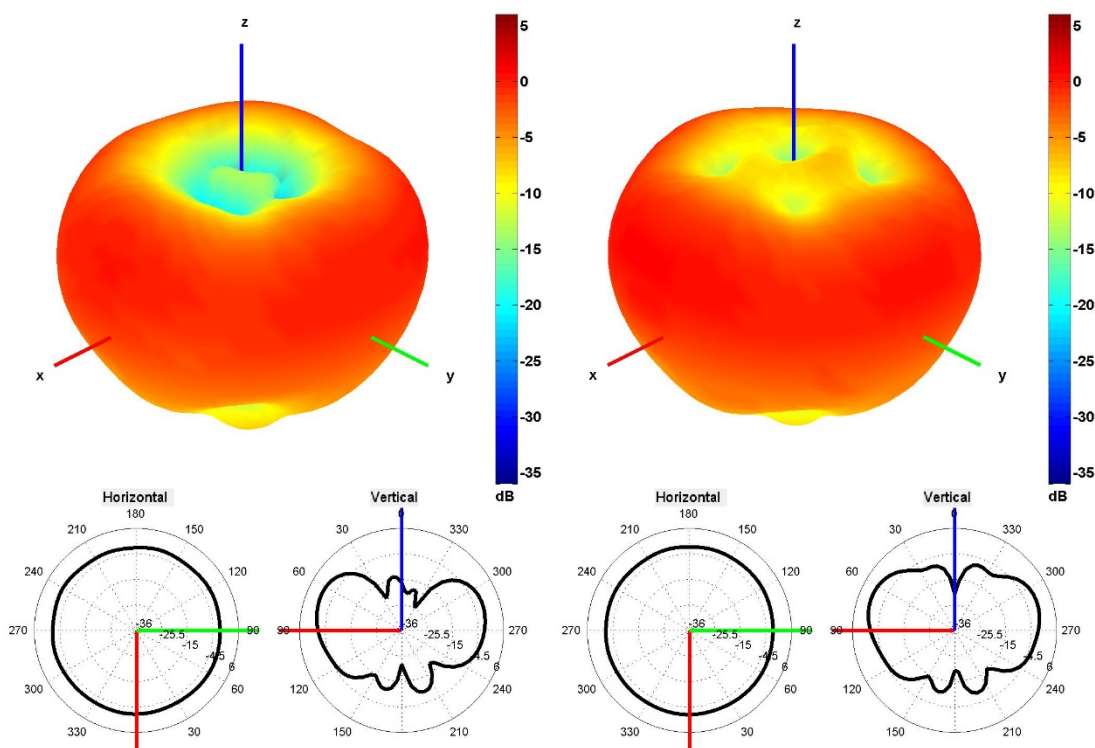




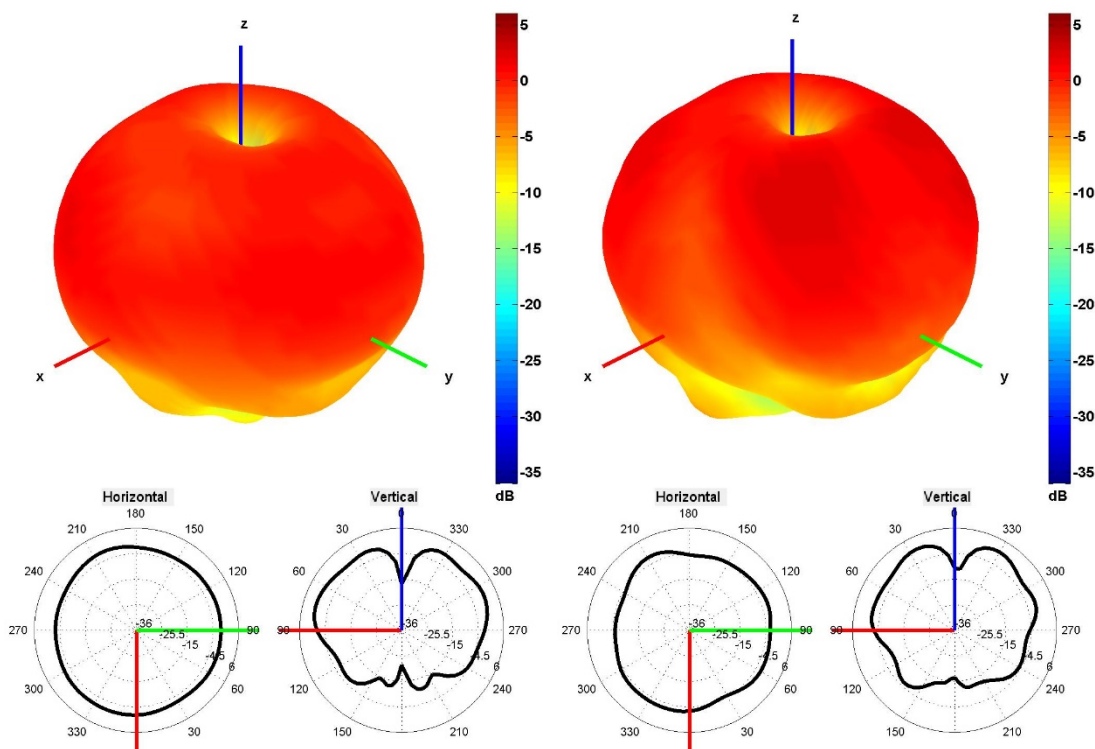
650 AND 750 MHz RADIATION PATTERN



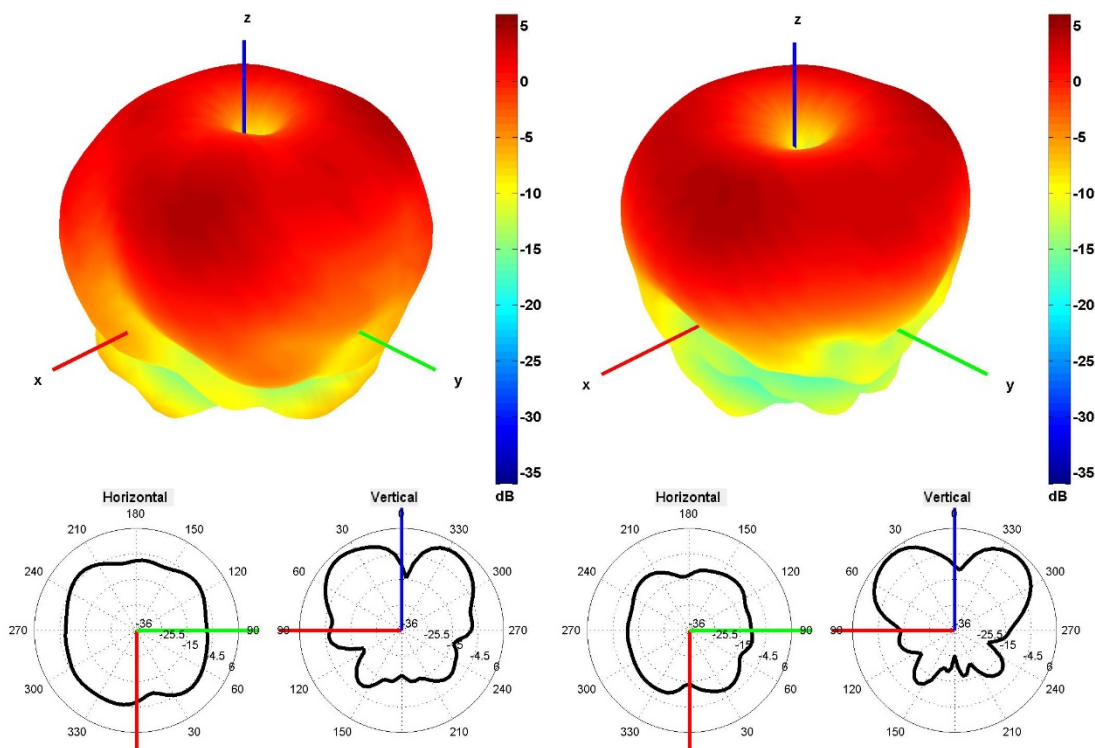
850 AND 940 MHz RADIATION PATTERN



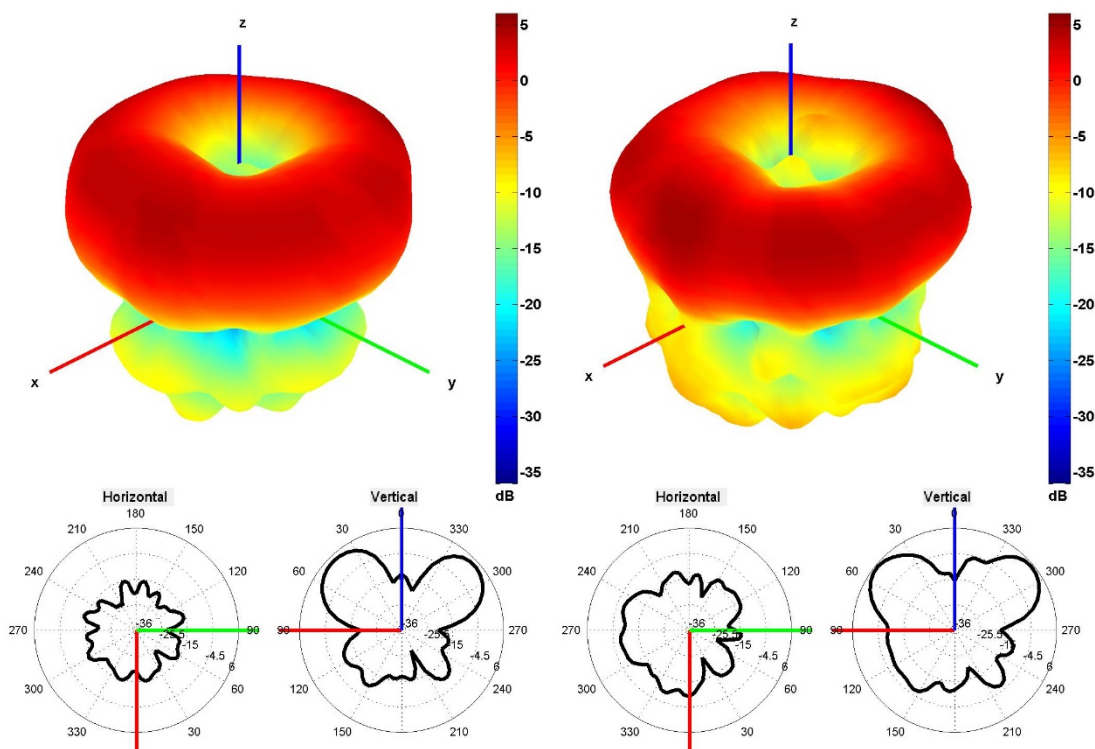
1500 AND 1600 MHz RADIATION PATTERN



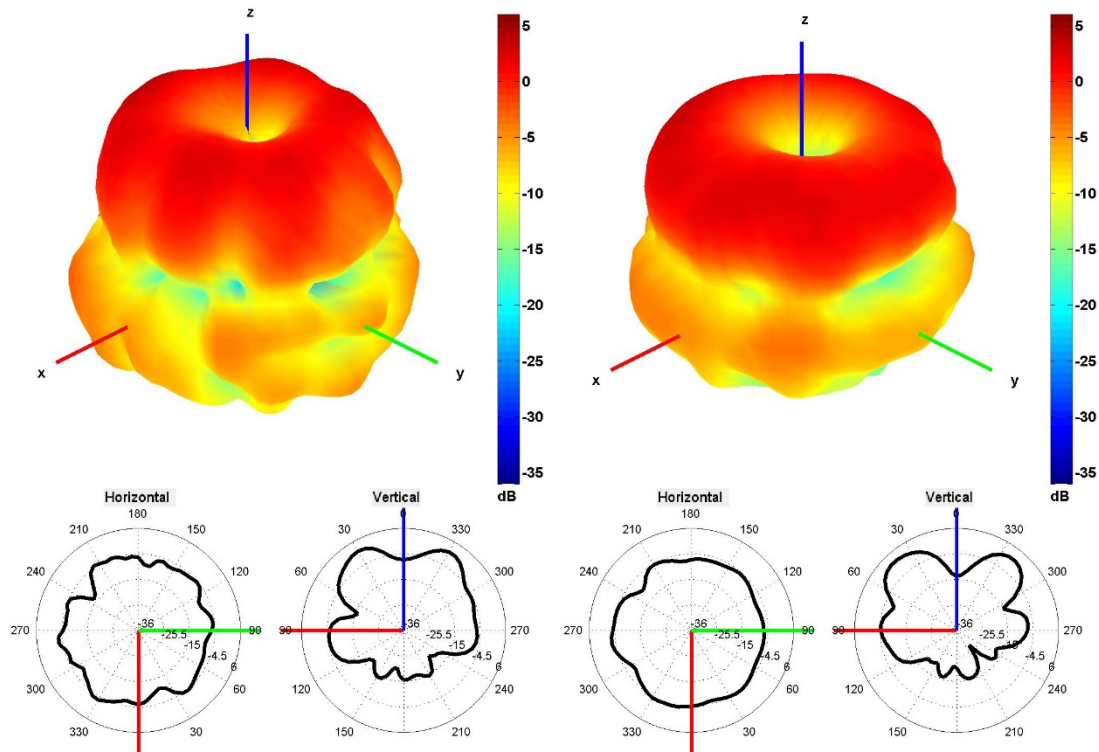
1750 AND 1850 MHz RADIATION PATTERN



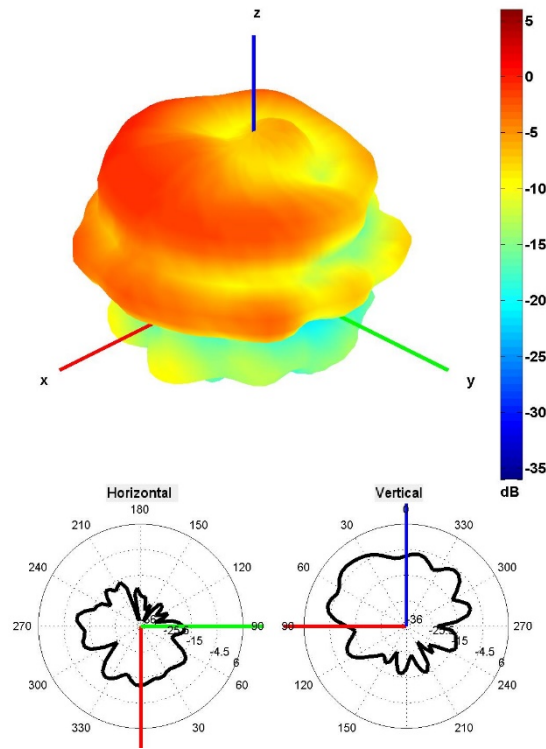
1950 AND 2100 MHz RADIATION PATTERN



2350 AND 2600 MHz RADIATION PATTERN



3350 AND 3600 MHz RADIATION PATTERN



5500 MHz RADIATION PATTERN

ANTENNA DRAWINGS

ANTENNA IMAGES

