

Regulatory WLAN Antenna Information

Antenna information										
Vendor			Type			Antenna Part number (Main)		Antenna Part number (Aux)		
LUXSHAR-ICT			PIFA			14008-06800300 LA9RF656-NB-H		14008-06800200 LA9RF657-NB-H		
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.5GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	6.9 GHz 6875-7125MHz
Main	2.02	2.67	2.60	3.65	3.96	3.78	3.59	3.59	3.99	4.00
Aux	2.02	2.82	2.62	4.04	3.85	3.37	4.10	3.48	3.48	3.22

Antenna Information

Section 1. Antenna Assembly Specifications

1A	1B	1C	1D		1E	1F	1G	1H
Antenna Part Number	Manufacturer	Antenna Type	Cable Assembly Part Number and Information	Freq Range MHz	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
LA9RF656-NB-H Main Antenna	Luxshare-ICT	PIFA	Cable: SY113L/50-080 50-ohm Coaxial length: 254mm diameter: 1.13mm Low loss Cable connector: Caimei MHF-4L	2400-2483.5	2.02	2.72	3.00	0.70
				5150-5250	2.67	3.72	3.00	1.05
				5250-5350	2.60	3.66	3.00	1.06
				5470-5725	3.65	4.73	3.00	1.08
				5725-5850	3.96	5.06	3.00	1.10
				5850-5895	3.78	4.89	3.00	1.11
				5925-6425	3.59	4.73	3.00	1.14
				6425-6525	3.59	4.77	3.00	1.18
				6525-6875	3.99	5.19	3.00	1.20
				6875-7125	4.00	5.24	3.00	1.24
LA9RF657-NB-H Aux Antenna	Luxshare-ICT	PIFA	Cable: SY113L/50-080 50-ohm Coaxial length: 178mm diameter: 1.13mm Low loss Cable connector: Caimei MHF-4L	2400-2483.5	2.02	2.59	3.00	0.57
				5150-5250	2.82	3.67	3.00	0.85
				5250-5350	2.62	3.48	3.00	0.86
				5470-5725	4.04	4.92	3.00	0.88
				5725-5850	3.85	4.75	3.00	0.90
				5850-5895	3.37	4.27	3.00	0.90
				5925-6425	4.10	5.03	3.00	0.93
				6425-6525	3.48	4.44	3.00	0.96
				6525-6875	3.48	4.46	3.00	0.98
				6875-7125	3.22	4.23	3.00	1.01

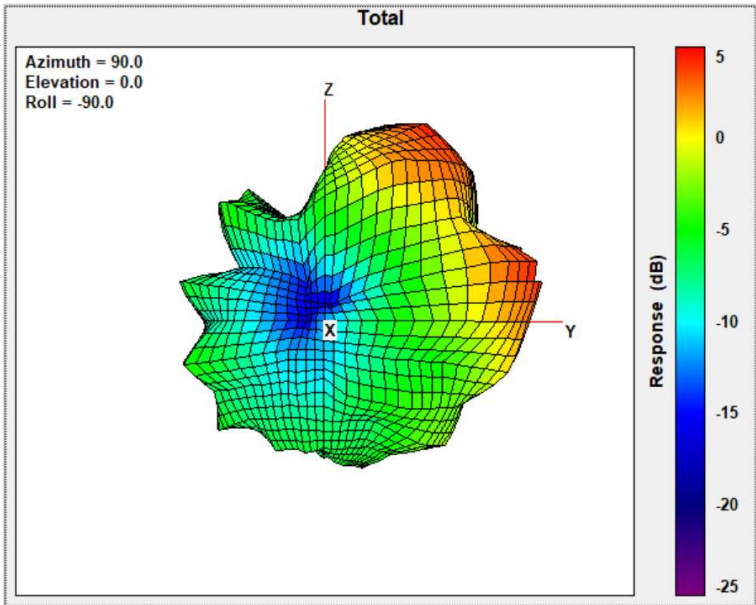
- 3D Antenna Peak Gain required being test in system basis.

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

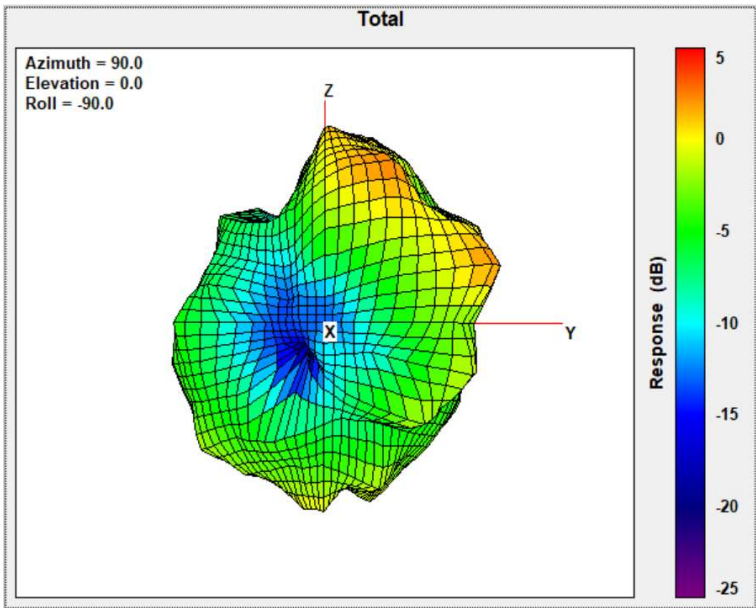
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.02



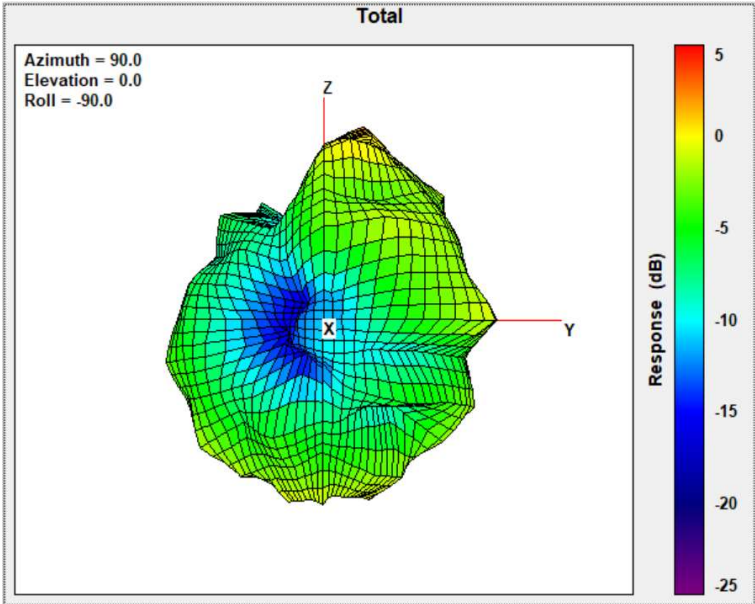
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.67



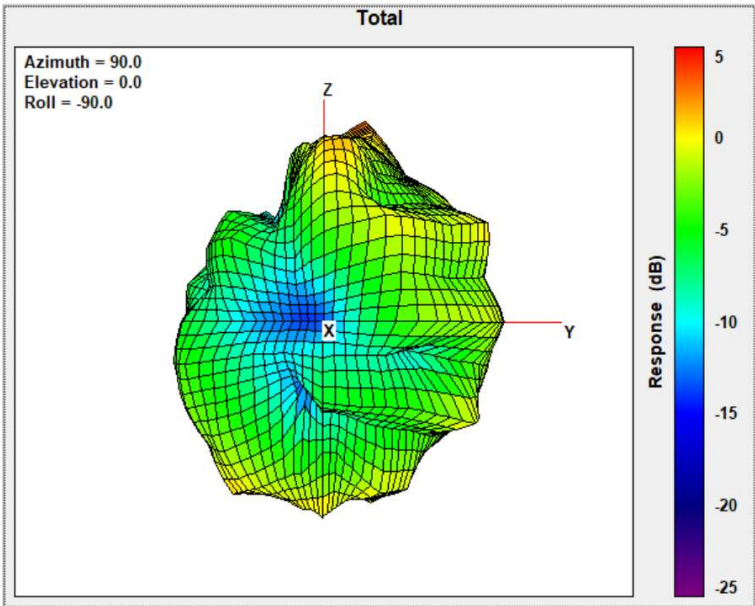
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.60



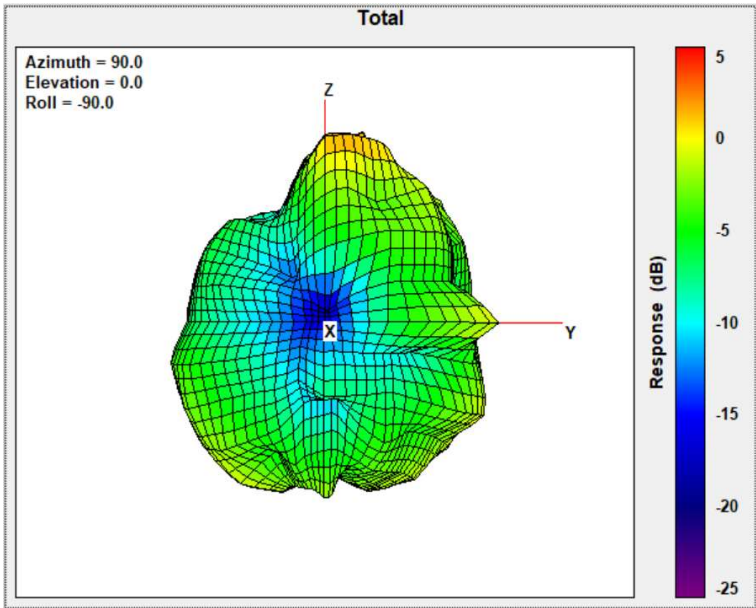
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	3.65



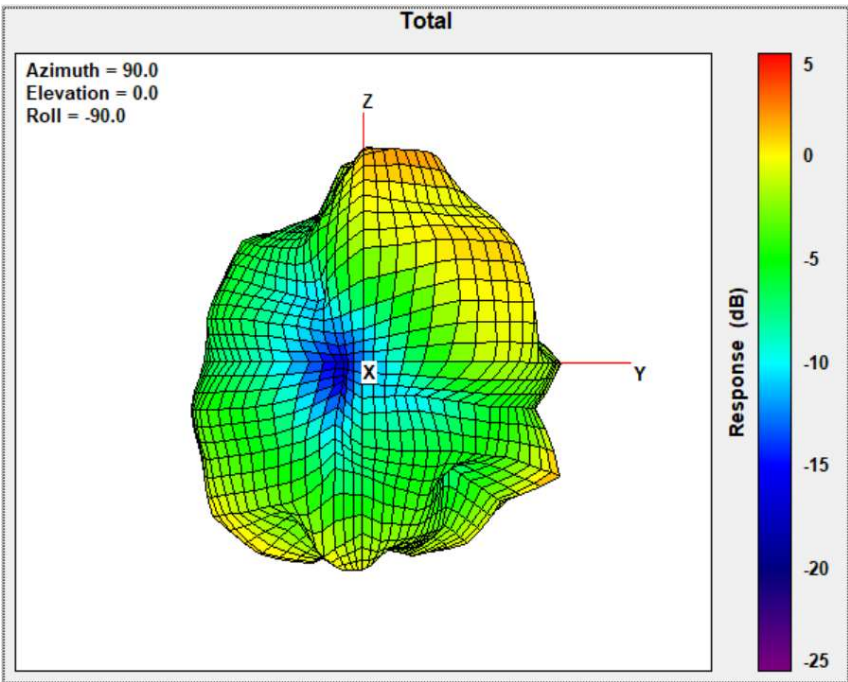
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.96



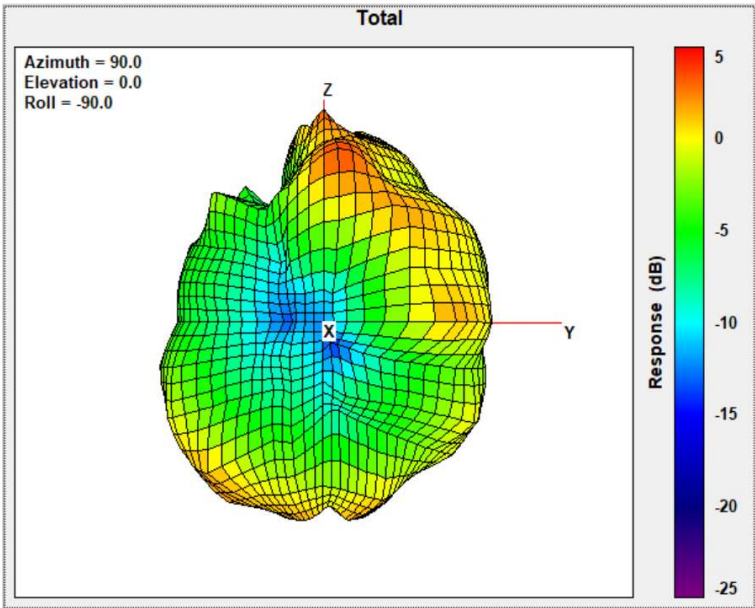
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	3.78



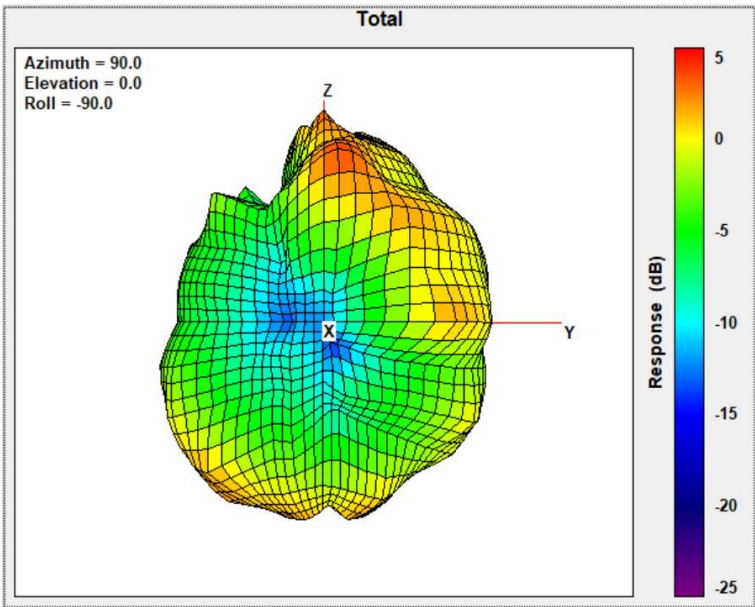
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.59



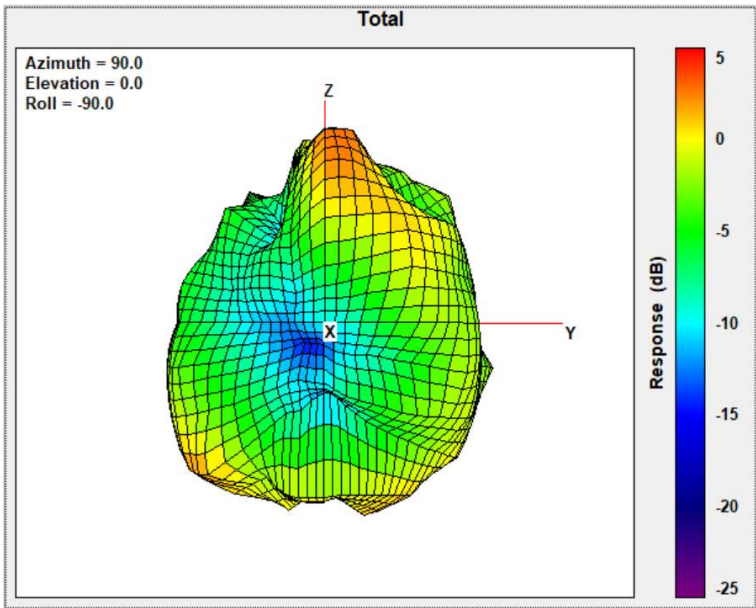
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.59



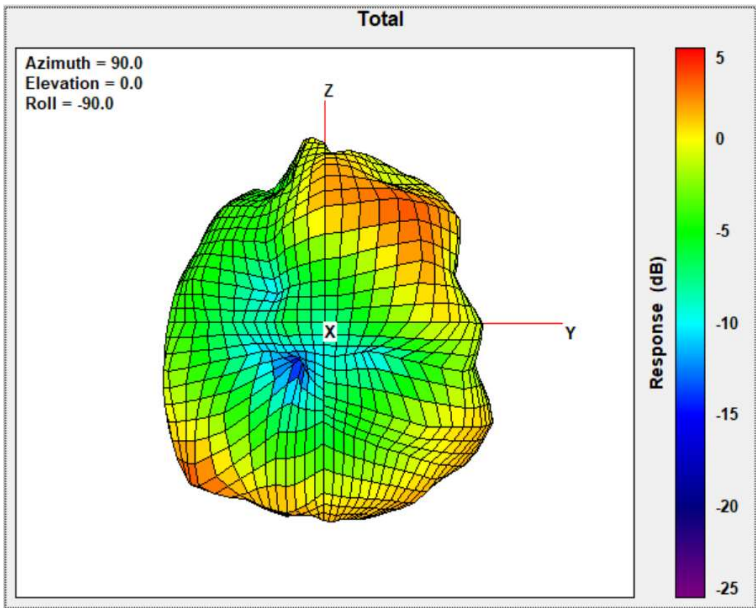
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.99



Max Antenna 3D Radiation Pattern 6875-7125 MHz

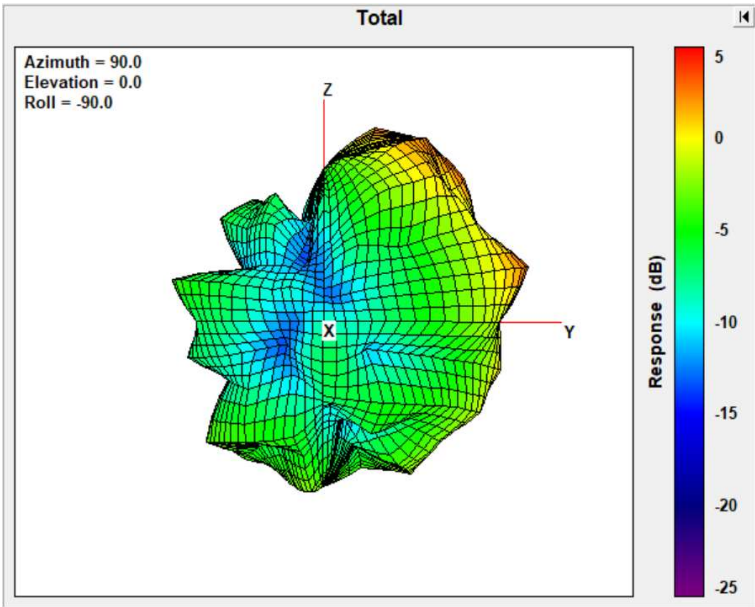
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	4.00



Auxiliary Antenna

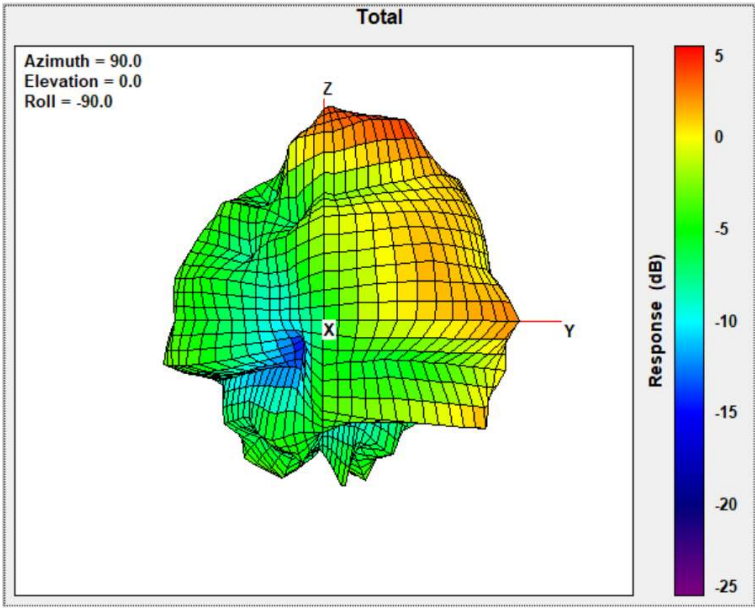
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.02



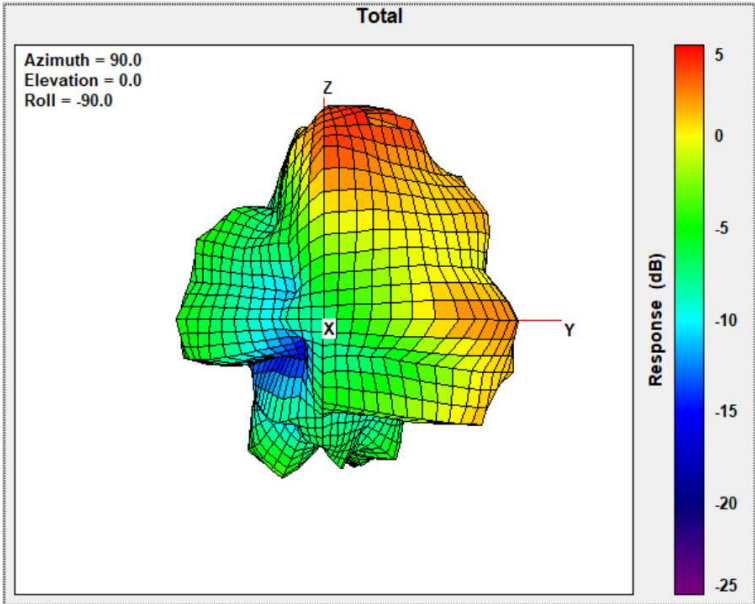
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.82



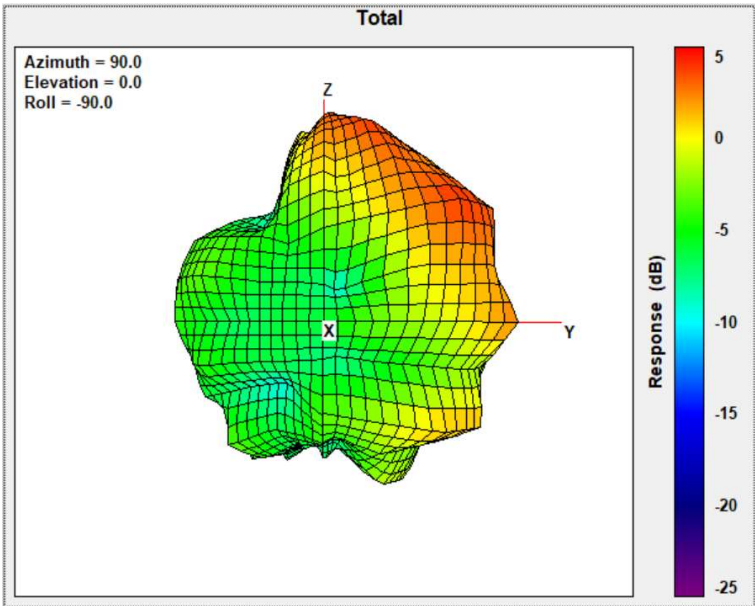
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.62



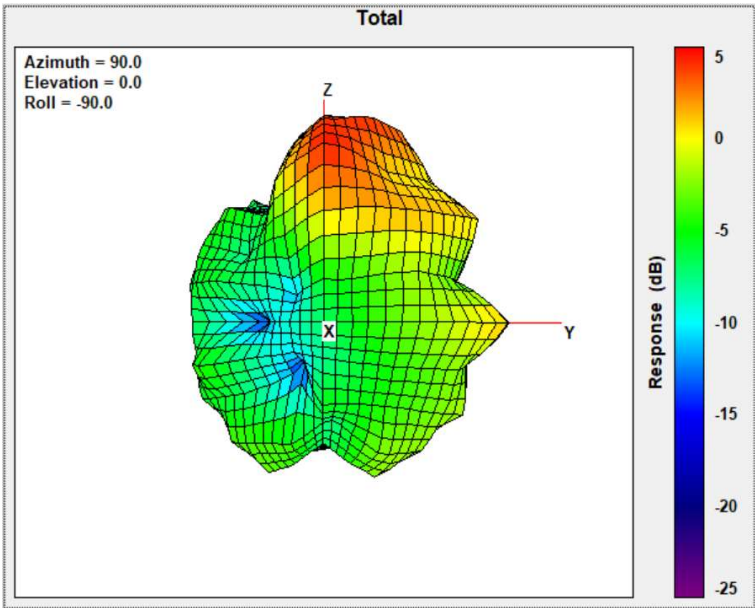
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	4.04



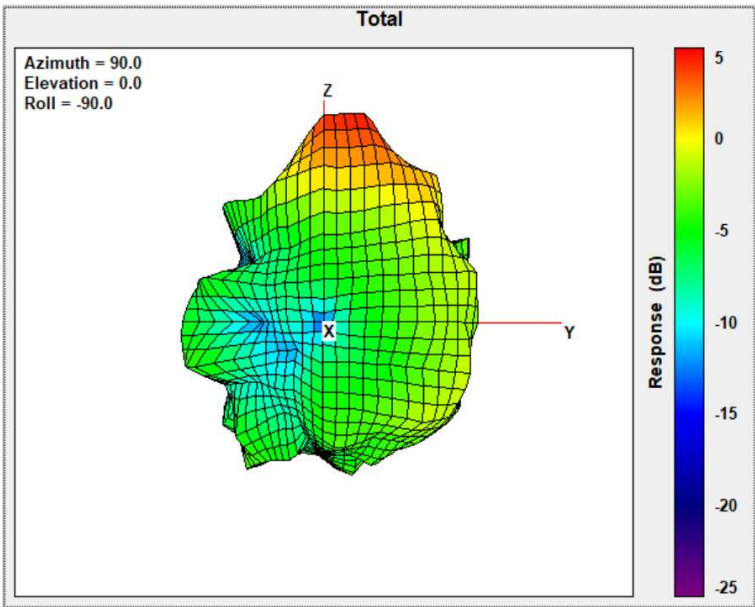
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.85



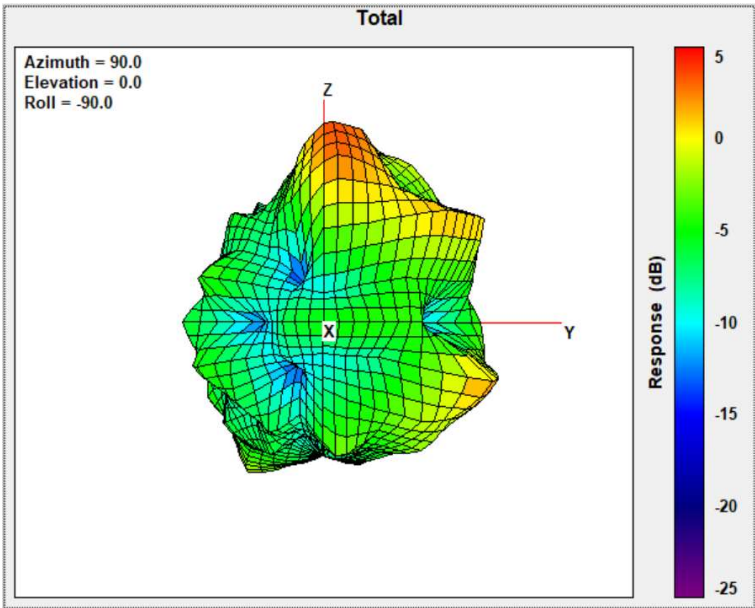
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	3.37



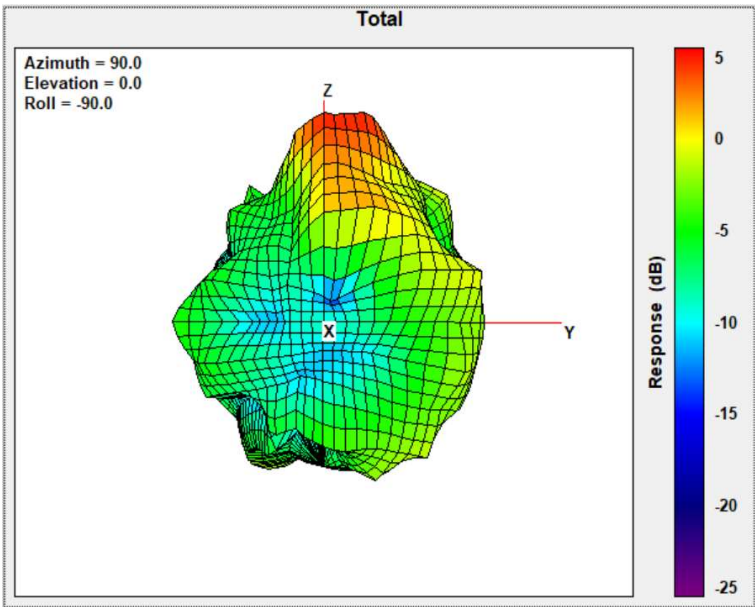
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	4.10



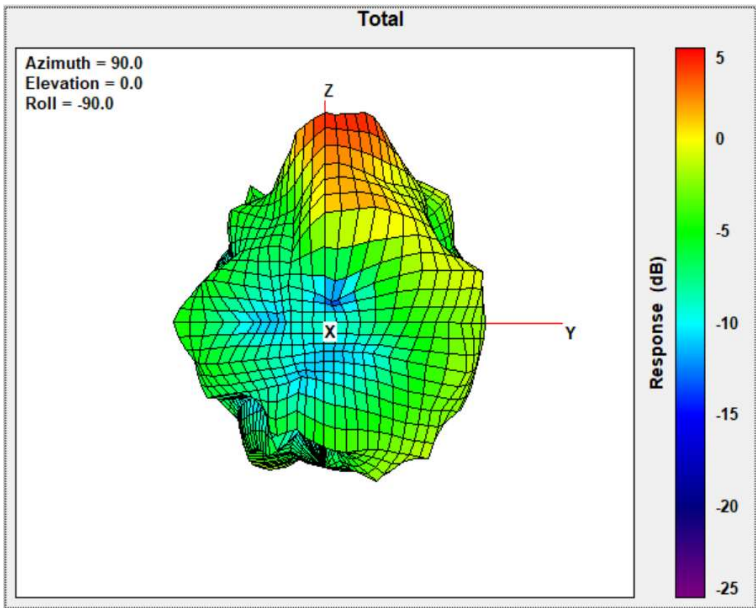
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.48



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.48



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.22

