

Regulatory WLAN Antenna Information (Template)

English Language Required for Intel Regulatory Review / Approval

Platform information										
Brand		ODM		****End product model name		Intel platform (ex: Yes, No or NA)		Platform type (ex: regular NB, convertible PC, AIO...etc)		*SAR minimum separation (mm)
Intel		ECS		US40PW		YES		regular NB		8.85mm
****Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.										
Antenna information										
Vendor			Type			Antenna Part number (Main)		Antenna Part number (Aux)		
WGT			PIFA			EG42AWRPB01+A (13-130PXN6051)		EG42AWRPB02+A (13-130PXN6050)		
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0 GHz 6875-7125MHz
Main	0.02	2.74	1.26	2.57	2.57	2.81	2.84	2.65	2.76	2.76
Aux	-0.06	2.88	2.88	2.25	2.98	2.25	2.50	2.50	2.75	2.93

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1. **Applicable test methods**

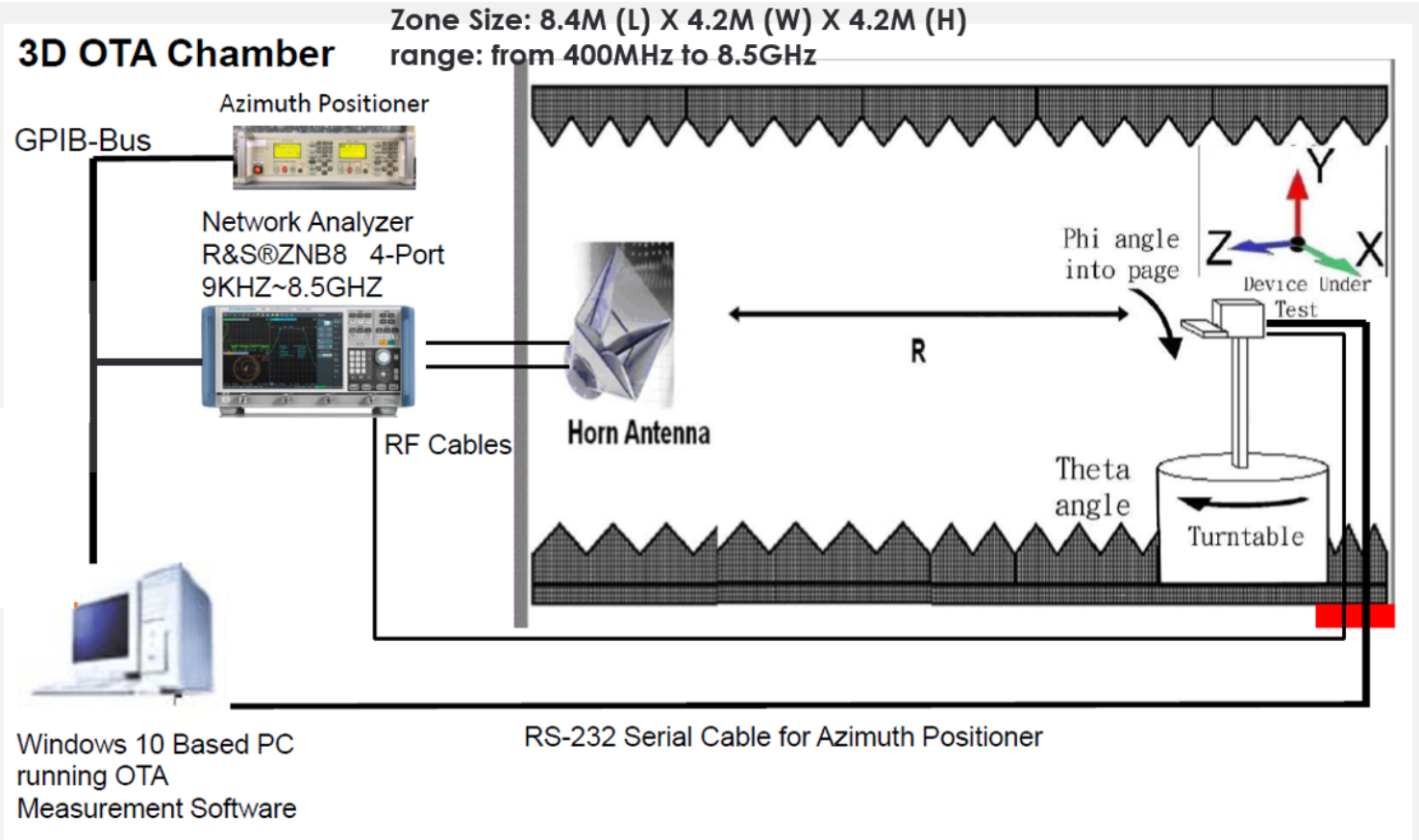
<insert test description here for test method>

[example] This test report is prepared for host antenna testing under a Full Anechoic Chamber.

2. **Test & System Description**

a. Test setup

<insert test diagram here for test site utilized>



b. Equipment list

<insert test diagram here for test site utilized>

Item	Device Description	Model Name	Manufacturer	Serial Number	Cal. Date	Cal. Due Date
1	Anechoic Chamber	W448	N/A	N/A	2024/6/10	2026/6/10
2	Turn Table	MF9532	Azimuth	-	N/A	N/A
3	Multi-Device Positioning Controller	MF7802	Azimuth	-	2024/10/10	2026/10/10
4	Network Analyzer	ZNB8	R&S	-	2024/10/10	2026/10/10
5	Horn Antenna	HA-0707	TRC	96143	2024/6/10	2026/6/10
6	Cable 7.5mm 400MHz to 18GHz(H-pol)	SS402	WOKEN	00100A1	N/A	N/A
7	Cable 7.5mm 400MHz to 18GHz(V-pol)	SS402	WOKEN	00100A1	N/A	N/A
8	Cable 14mm 400MHz to 18GHz	SS402	WOKEN	00100A1	N/A	N/A

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
(P/N: EG42AWRPB01+A) Main Antenna	Well Green Technology Co., Ltd.	PIFA	(P/N: EG42AWRPB01+A) 50 ohm Coaxial Length: 395mm Diameter: 1.13mm Connector Type I-PEX MHF-4	2400-2483.5	0.02	1.12	2.90	1.10
				5150-5250	2.74	4.44	2.02	1.70
				5250-5350	1.26	3.01	2.00	1.75
				5470-5725	2.57	4.39	1.93	1.82
				5725-5850	2.57	4.46	1.86	1.89
				5850-5895	2.81	4.76	1.70	1.95
				5925-6425	2.84	4.85	1.70	2.01
				6425-6525	2.65	4.78	1.31	2.13
				6525-6875	2.76	4.94	1.69	2.18
				6875-7125	2.76	5.06	2.11	2.30
(P/N: EG42AWRPB02+A) Aux Antenna	Well Green Technology Co., Ltd.	PIFA	(P/N: EG42AWRPB02+A) 50 ohm Coaxial Length: 320mm Diameter: 1.13mm Connector Type I-PEX MHF-4	2400-2483.5	-0.06	0.84	2.70	0.90
				5150-5250	2.88	4.27	2.64	1.39
				5250-5350	2.88	4.31	2.42	1.43
				5470-5725	2.25	3.73	1.75	1.48
				5725-5850	2.98	4.53	1.71	1.55
				5850-5895	2.25	3.84	1.58	1.59
				5925-6425	2.50	4.14	1.43	1.64
				6425-6525	2.50	4.24	1.43	1.74
				6525-6875	2.75	4.53	1.30	1.78
				6875-7125	2.93	4.81	1.39	1.88

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

WGT

Antenna Manufacturer Information

WELL GREEN TECHNOLOGY CO., LTD.
No.20,Aly.51,Ln.118,Shuanglian Sec.2,Minzu Rd.,Shuanglian Vil., Pingzhen Dist.,Taoyuan City
32451,Taiwan(R.O.C.)
Tel:+886-3-4206428

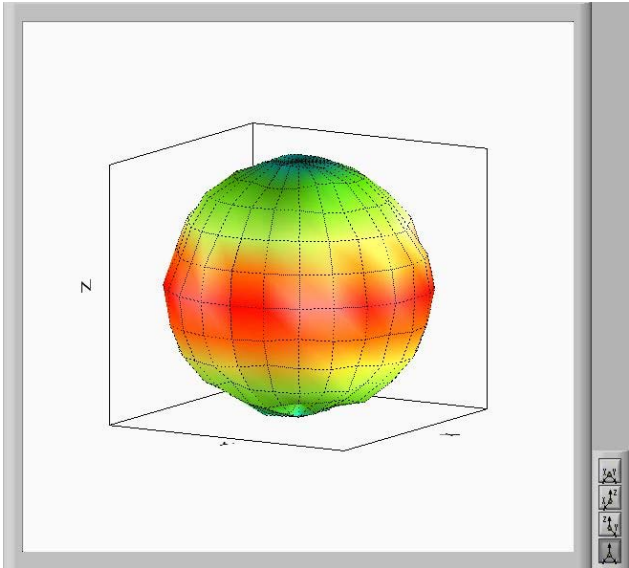
聯絡人
Jerry.Chiu
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Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

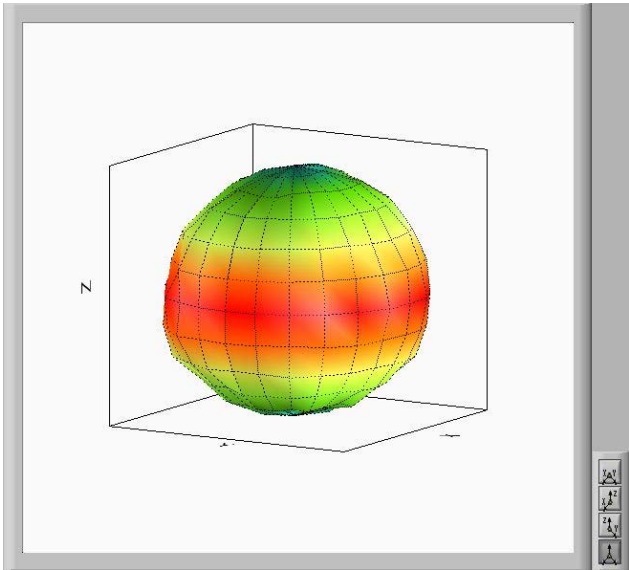
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	0.02



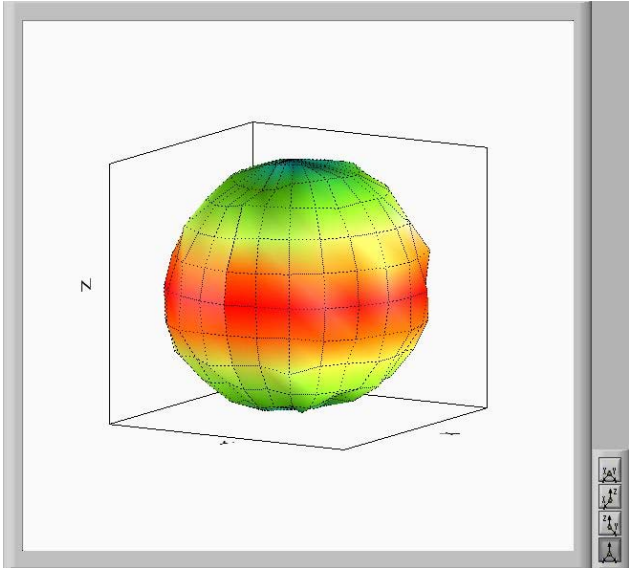
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.74



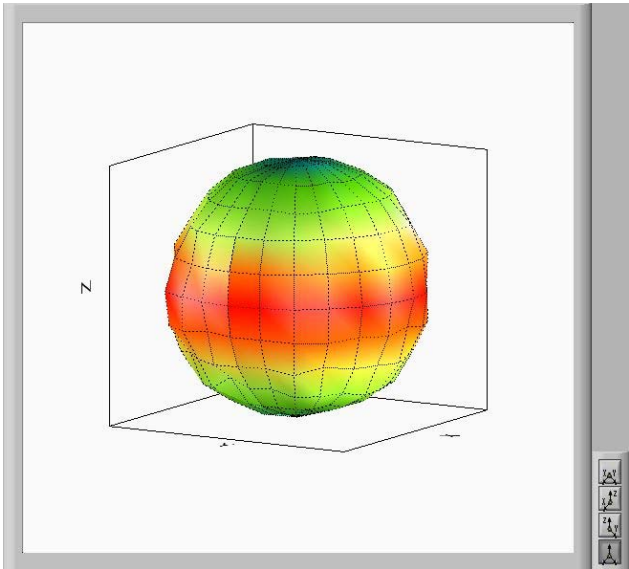
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.26



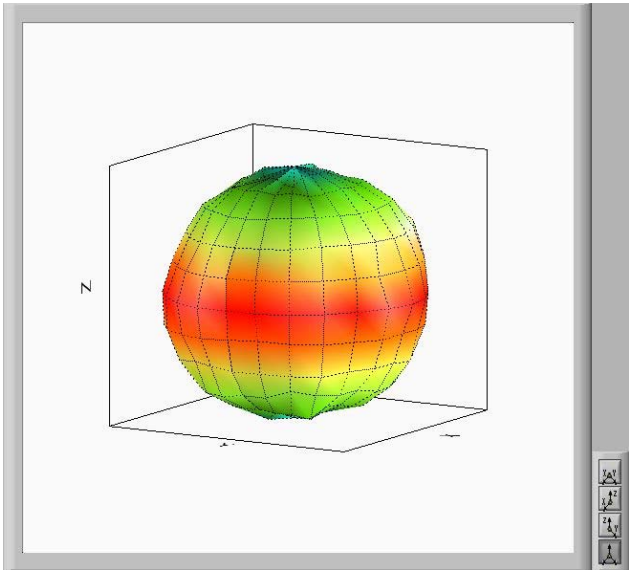
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.57



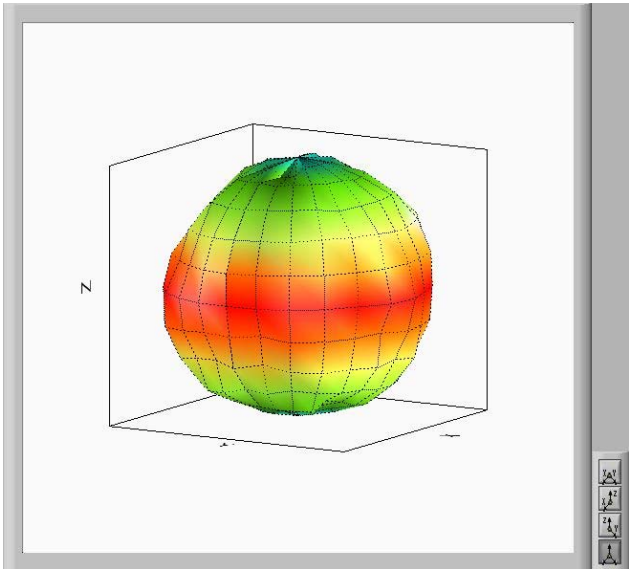
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.57



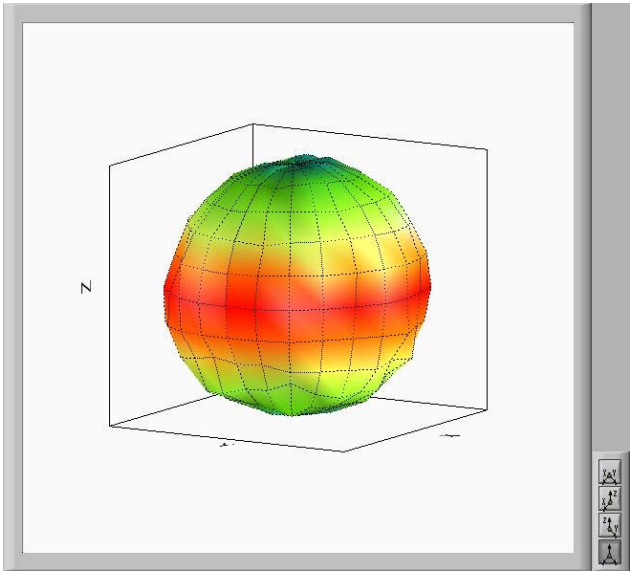
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.81



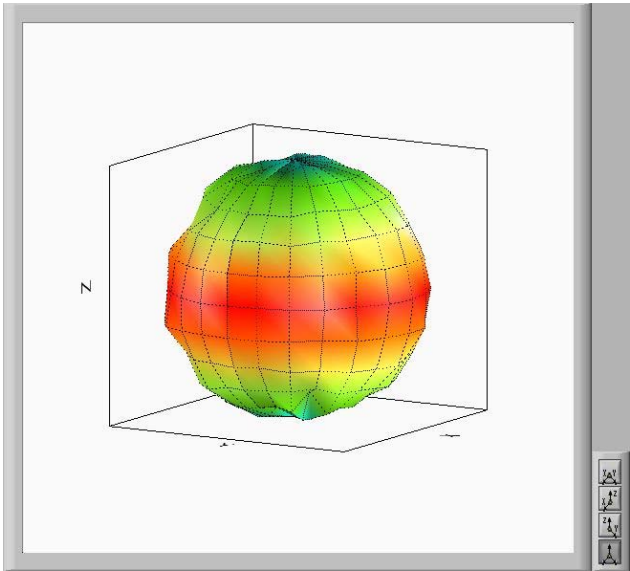
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.84



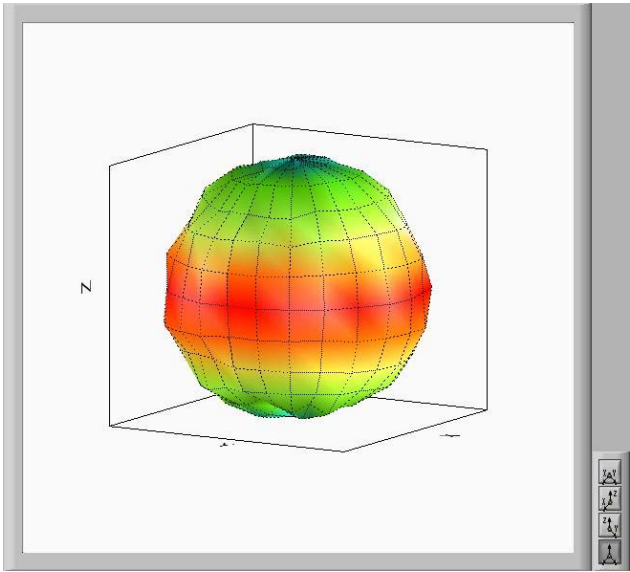
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.65



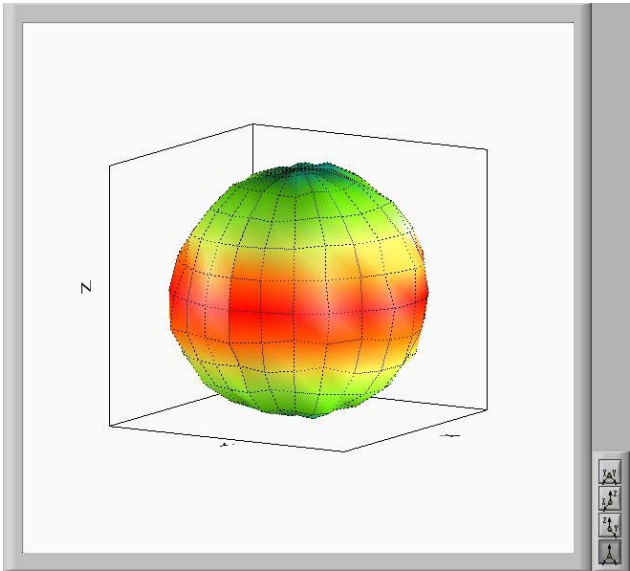
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.76



Max Antenna 3D Radiation Pattern 6875-7125 MHz

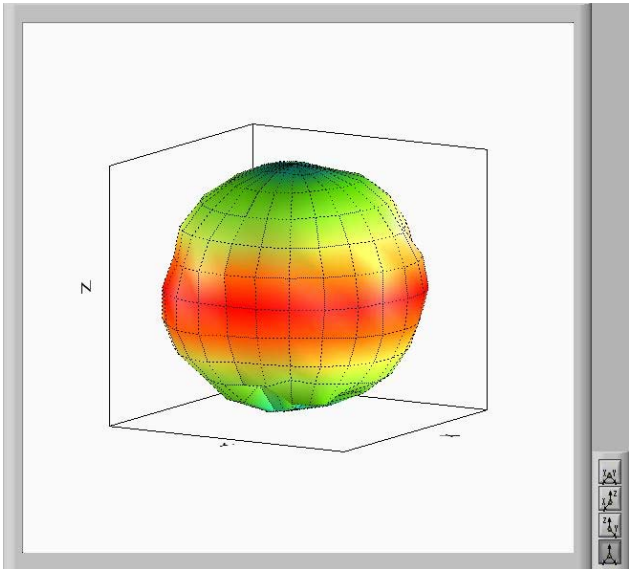
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.76



Auxiliary Antenna

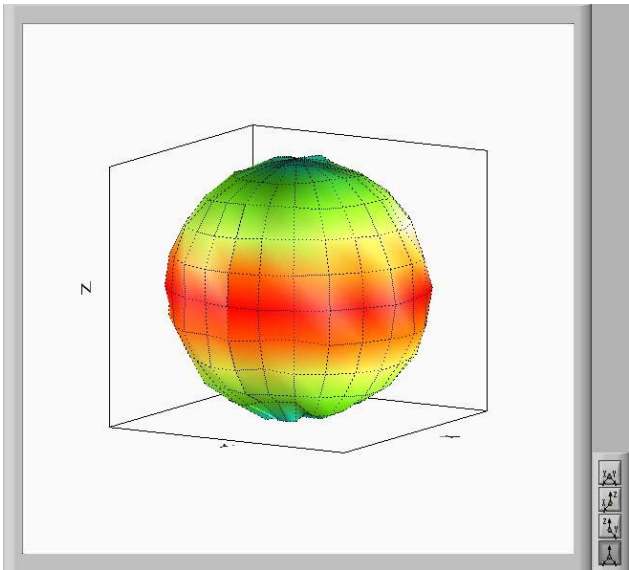
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	-0.06



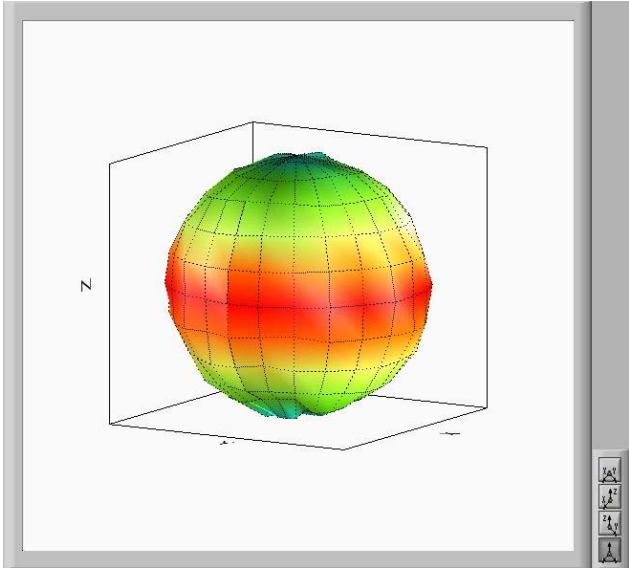
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.88



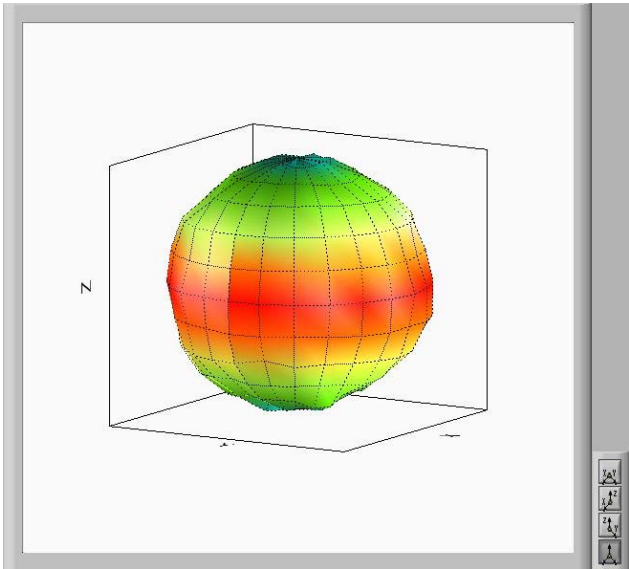
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.88



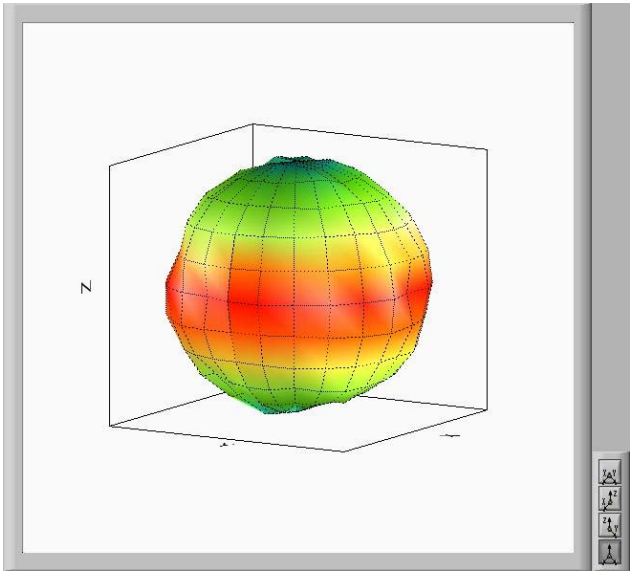
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.25



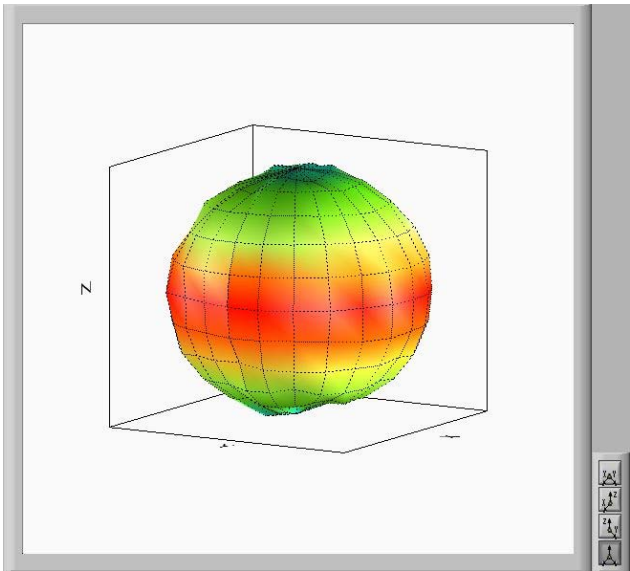
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.98



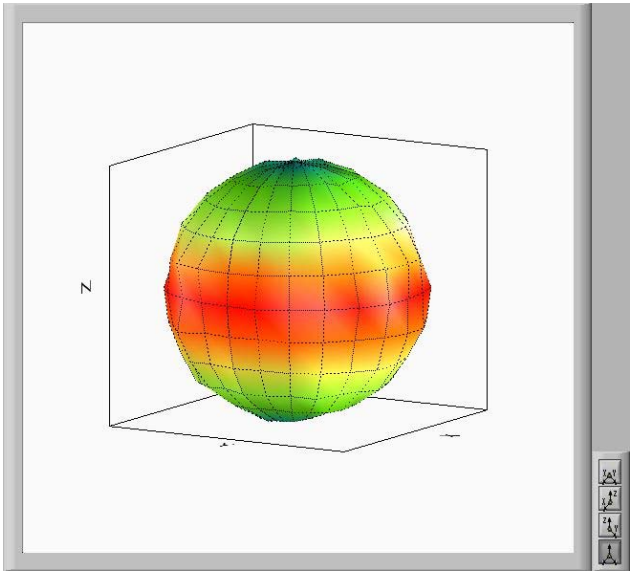
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.25



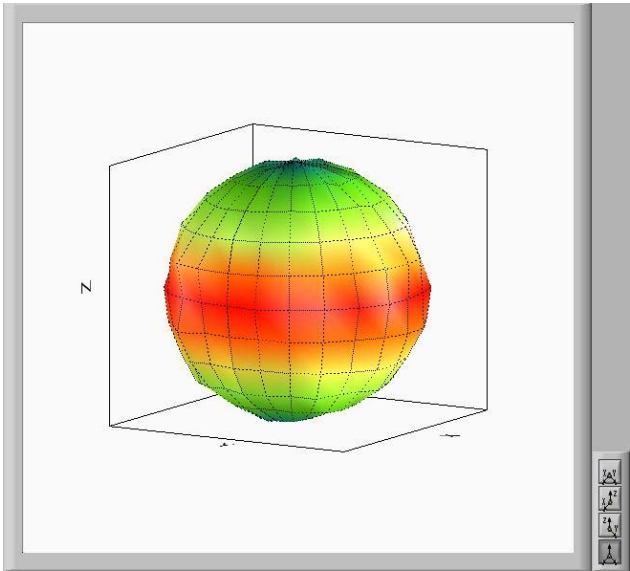
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.50



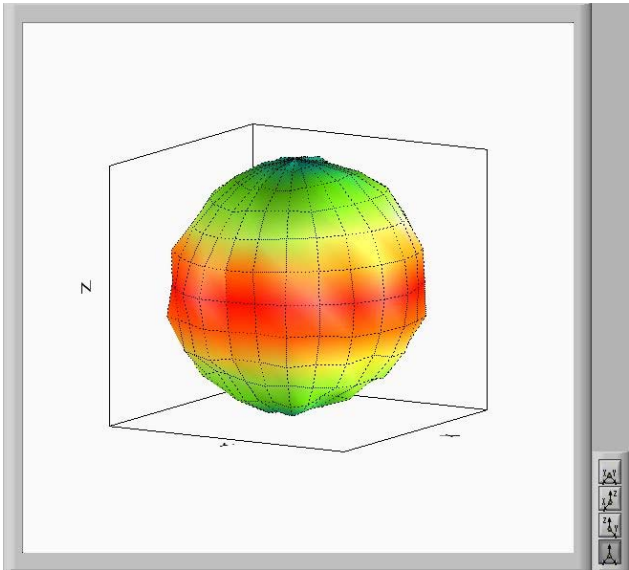
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.50



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.75



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.93

