



# CHINMORE INDUSTRY CO.,LTD

## Specification

1. Rubber Stubby Antenna for 5G
2. *Chinmore's* No: EM-B18.0X173-637
3. Frequency: 600~6000 MHz
4. VSWR: 2.0:1
5. Connector: 90° Hinged R/A SMA(M)
6. Storage temperature: -20°C ~+70°C
7. Operating temperature: -20°C ~+70°C

※*RoHS Compliant*

※*ISO 9001 & ISO 14001*

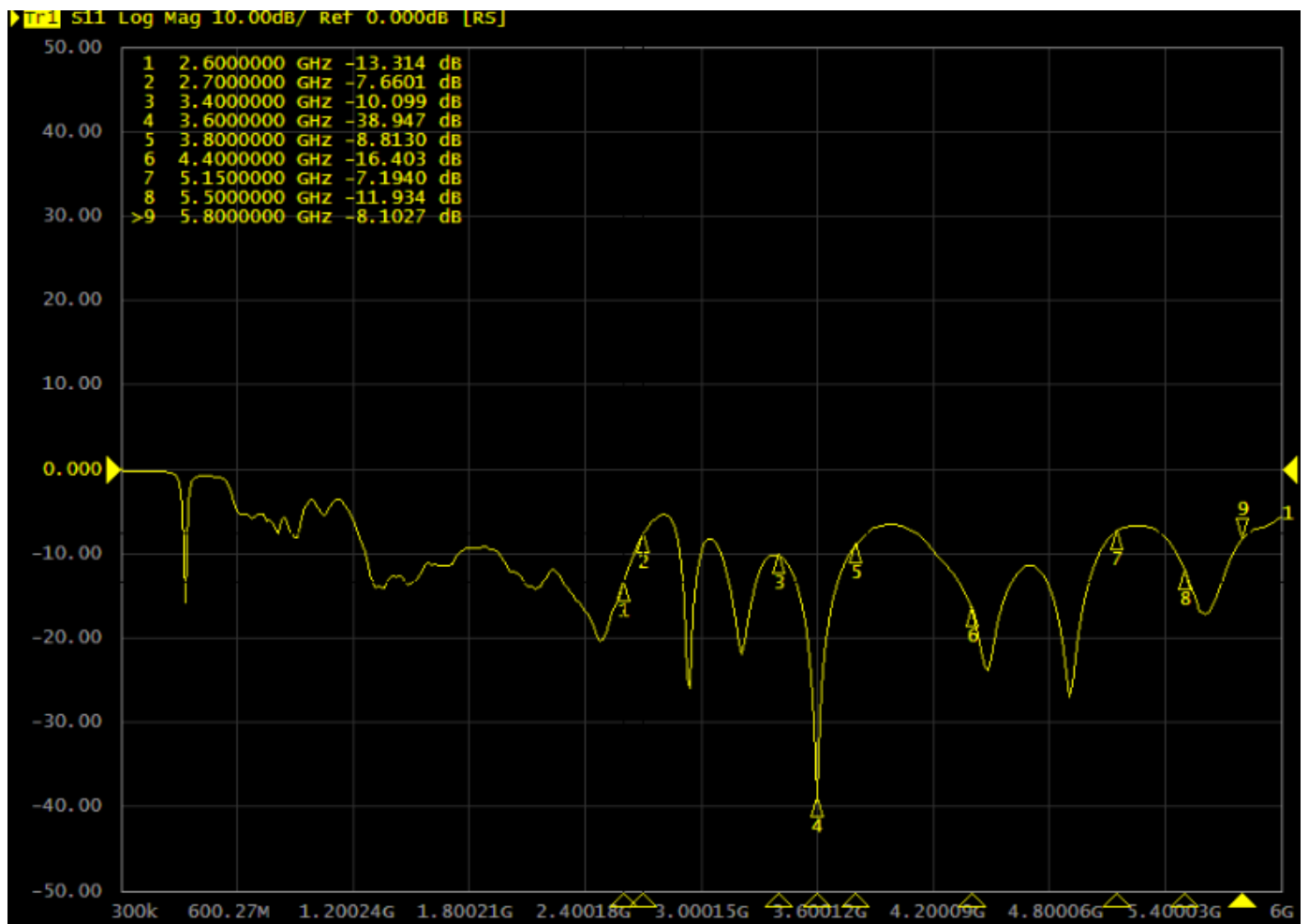
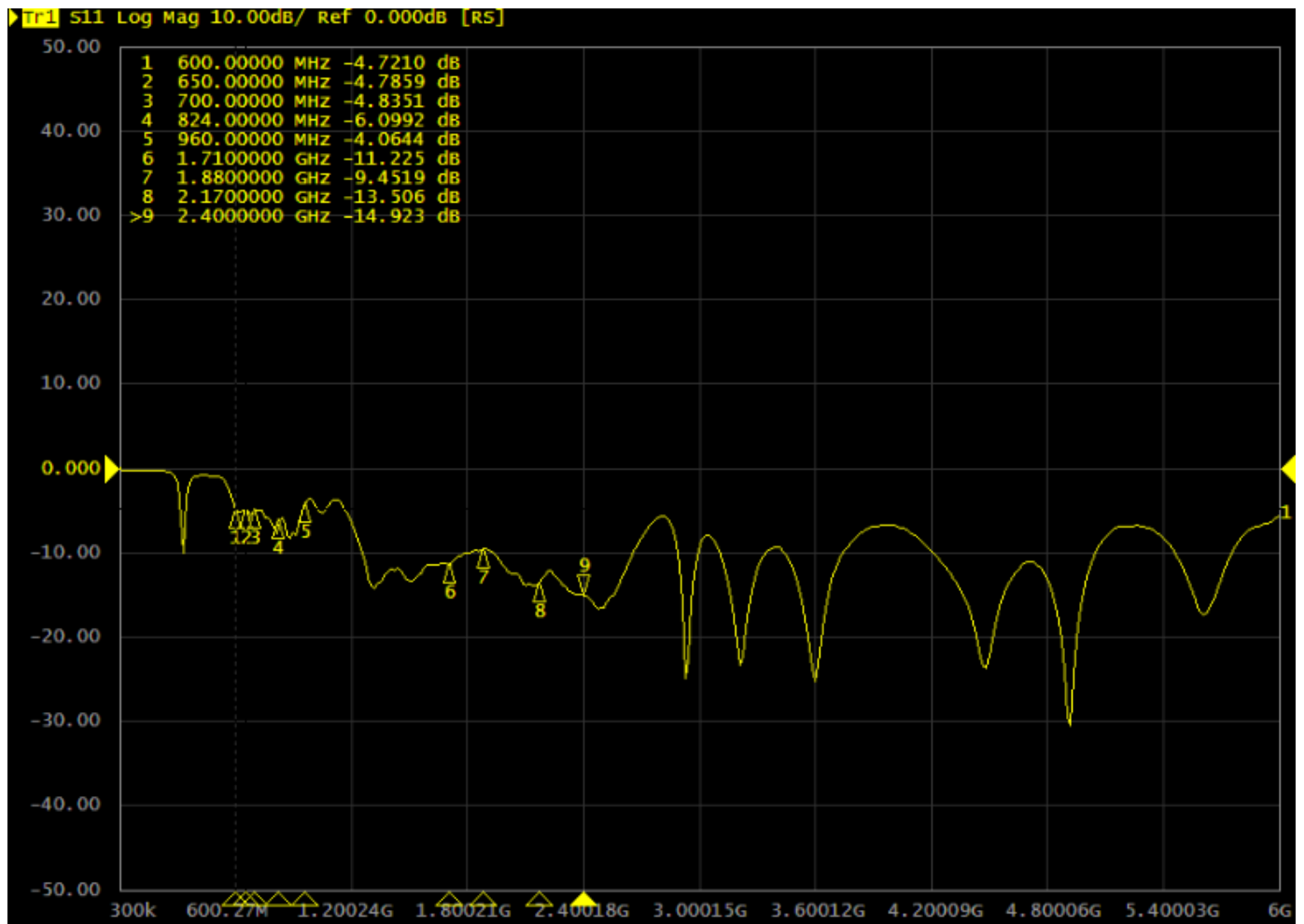
Frequency	600~6000MHz	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>ROHS</b>            ISO 9001            ISO 14001         </div>
V.S.W.R	2.0:1	
Impedence	50Ω	
Gain	3/5 dBi	
SMA M	Black (黒)	

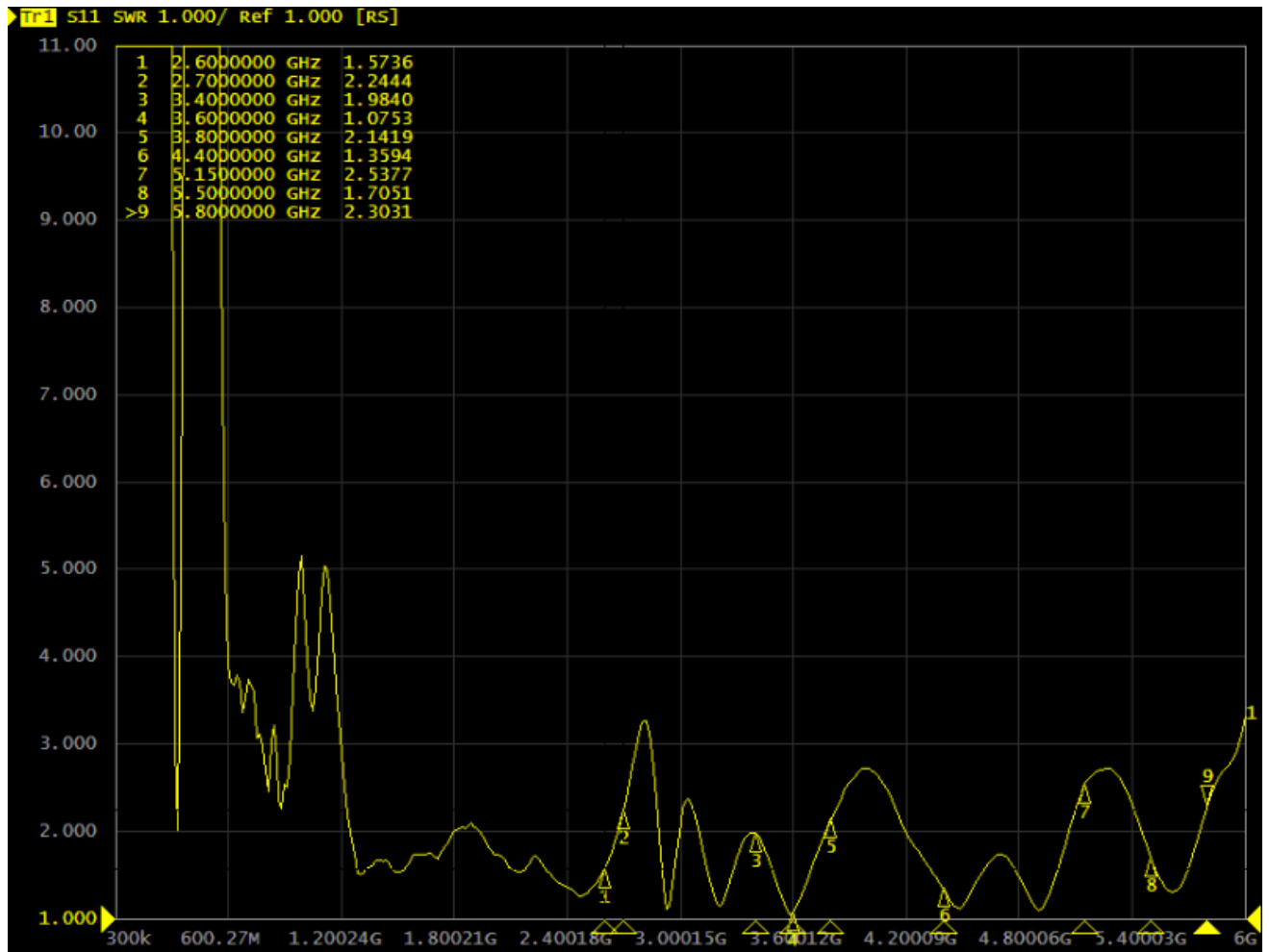
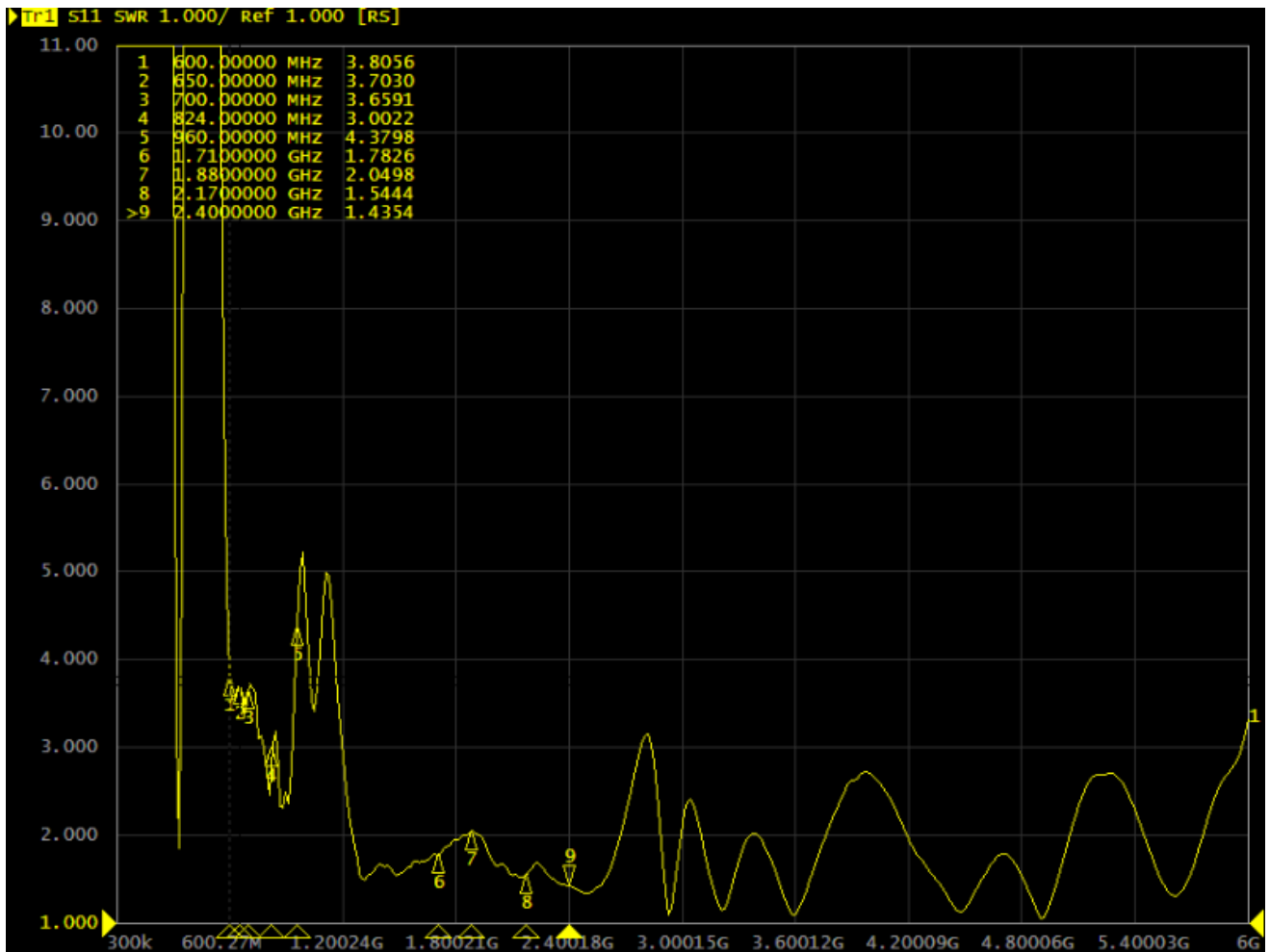
Material:		Treatment:		竣茂工業有限公司 Chinmore Industry CO .LTD			
Drawer	Design	Aprov	Tolerance	Unit:	mm	TITLE	MT51-10(SMA M) 天線
			X=±0.5	Ver:	A	Scale 1:1	Model NO
			.X=±0.2	File NO:	QR0402	Drawing NO	505-058-010-102
			.XX=±0.1				
			.XXX=±0.05				

NO	DESCRIPTION	MATERIAL / FINISH	Q'TY
Part No	EM-B18.0X173-637		

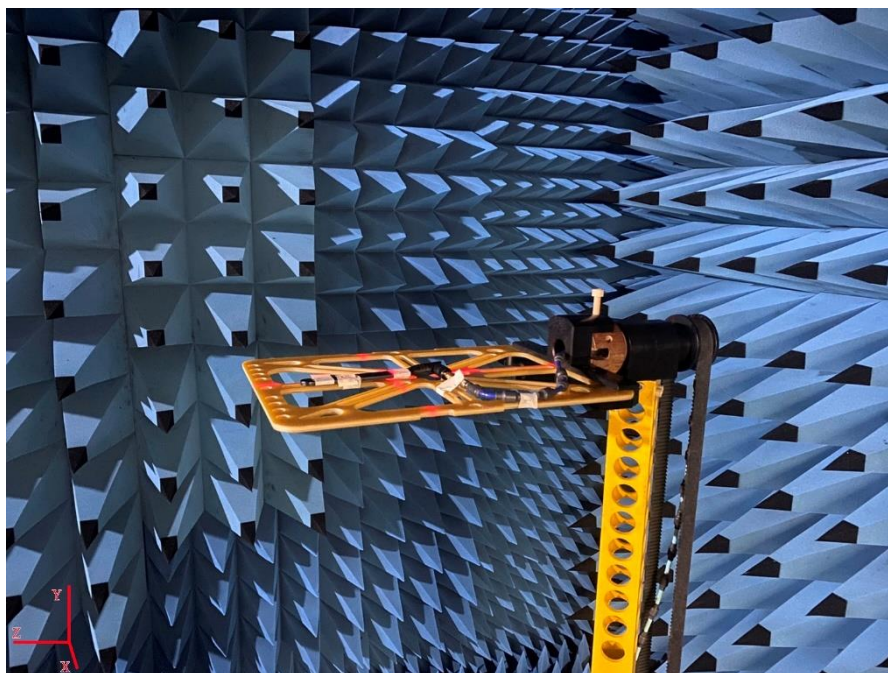
Frequency (MHz)	Return Loss (dB)	VSWR	Efficiency (%)	GAIN (dB)
600	-4.72	3.8	52.12	0.39
650	-4.78	3.70	53.33	-0.09
700	-4.83	3.65	50.35	-0.66
824	-6.09	3.00	40.74	-1.26
960	-4.06	4.37	33.34	-1.5
1710	-11.22	1.78	61.38	1.88
1880	-9.45	2.04	59.02	2.28
2170	-13.50	1.54	51.88	3.05
2400	-14.92	1.43	82.22	4.62
2600	-13.31	1.57	52.84	0.86
2700	-7.66	2.24	52.48	0.79
3400	-10.09	1.98	74.3	4.94
3600	-38.94	1.07	83.18	3.93
3800	-8.81	2.14	68.55	3.24
4400	-16.40	1.35	50.47	4.48
5150	-7.19	2.53	42.17	2.69
5500	-11.93	1.70	57.68	2.75
5800	-8.10	2.30	34.28	2.01

# Test Data(Return Loss & VSWR)



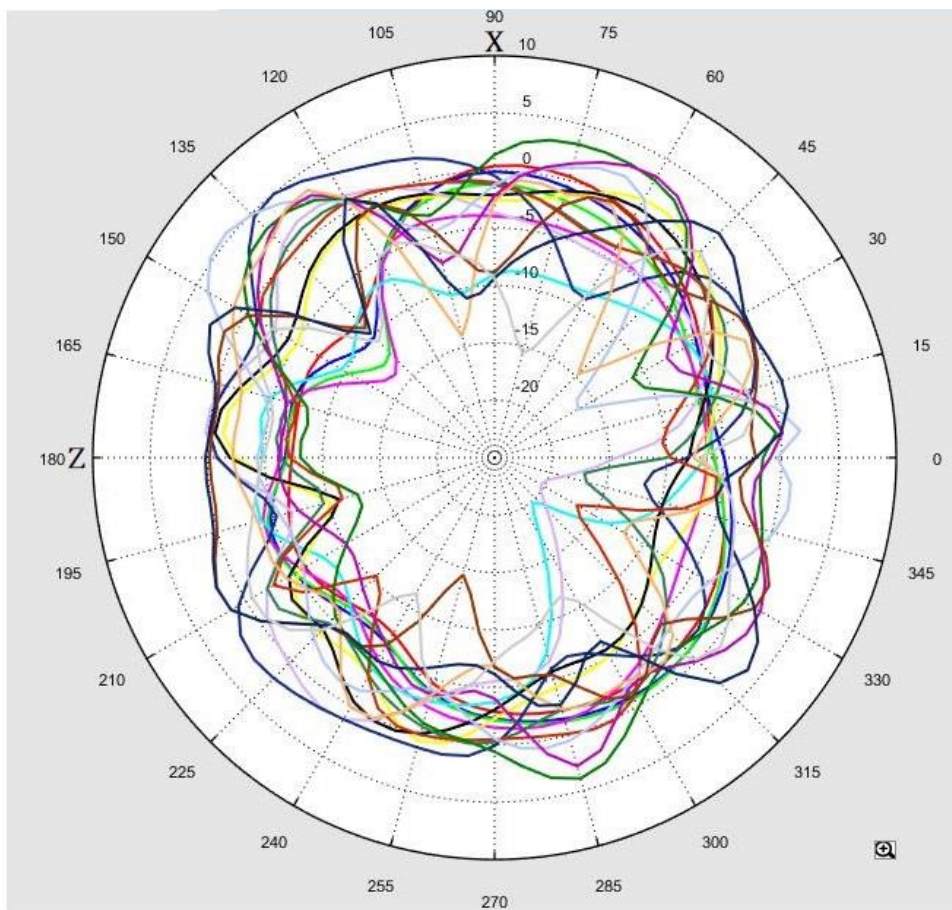


### 3D Test Photo

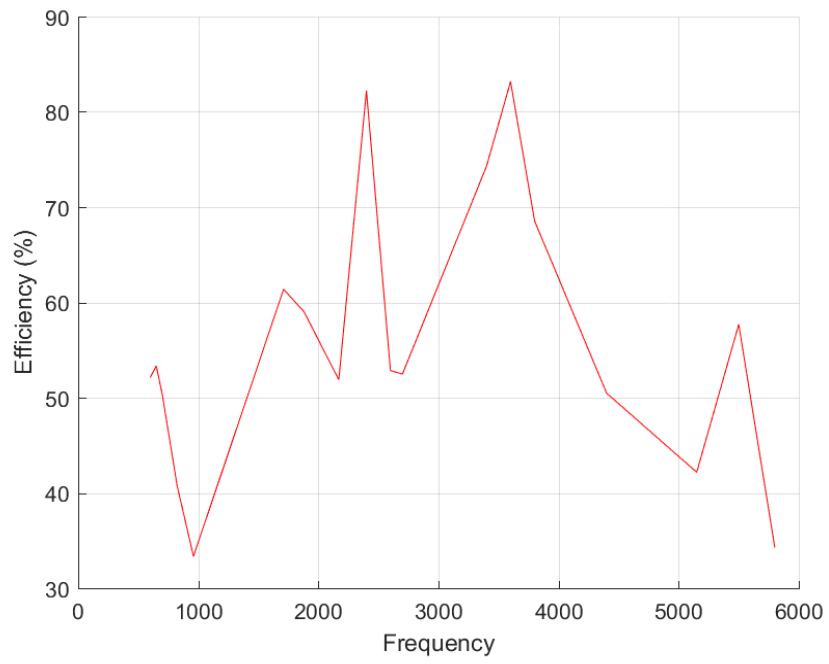


### 3D Test Data

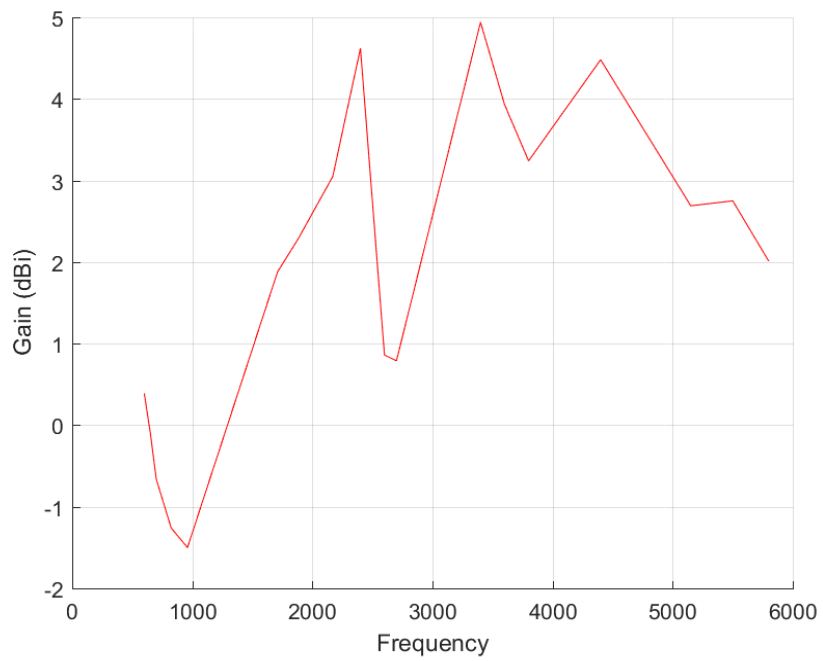
Freq. / Chan.	Color
600MHz	Red
650MHz	Blue
700MHz	Green
824MHz	Magenta
960MHz	Cyan
1.71GHz	Yellow
1.88GHz	Black
2.17GHz	Purple
2.4GHz	Dark Blue
2.6GHz	Teal
2.7GHz	Orange
3.4GHz	Light Blue
3.6GHz	Dark Green
3.8GHz	Pink
4.4GHz	Light Orange
5.15GHz	Brown
5.5GHz	Dark Blue
5.8GHz	Grey



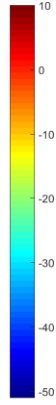
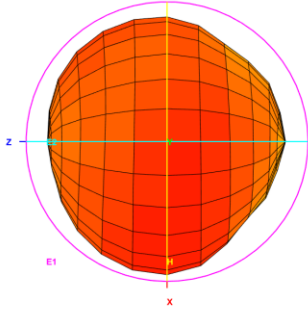
Total\_Efficiency (%)



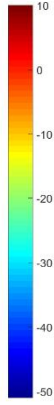
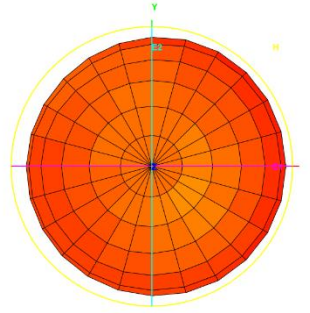
Total\_Gain (dBi)



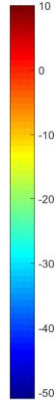
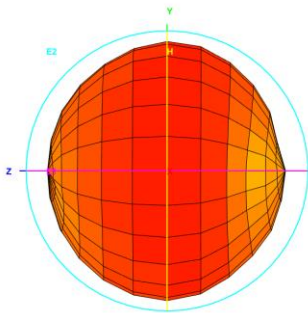
Total\_3D\_Top View\_600MHz



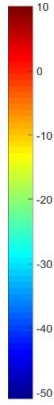
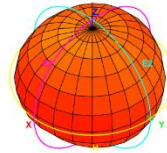
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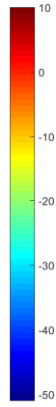
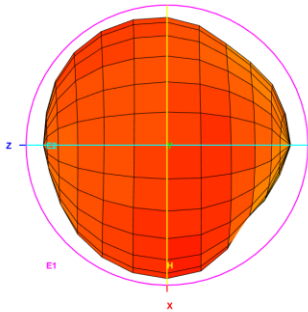
Total\_3D\_Left View\_600MHz



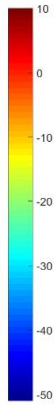
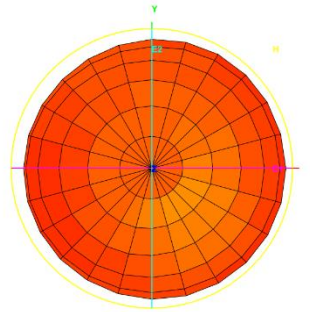
Total\_3D\_Side View 1\_600MHz



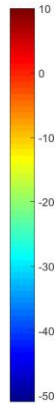
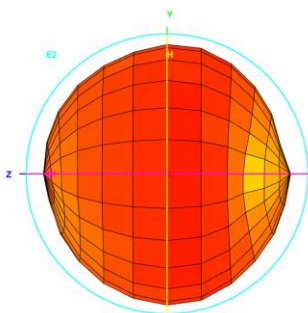
Total\_3D\_Top View\_650MHz



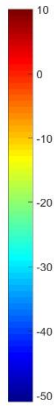
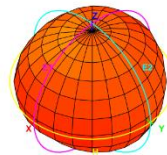
Total\_3D\_Front View\_650MHz



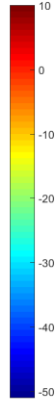
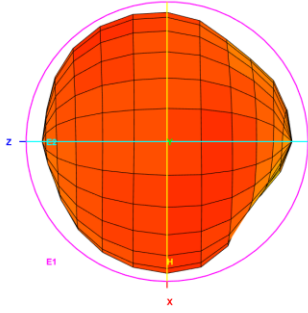
Total\_3D\_Left View\_650MHz



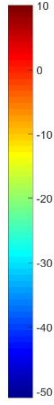
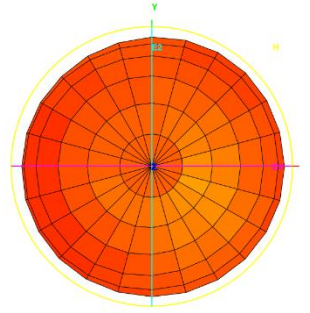
Total\_3D\_Side View 1\_650MHz



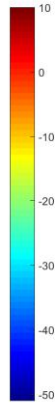
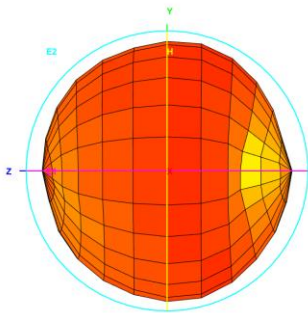
Total\_3D\_Top View\_700MHz



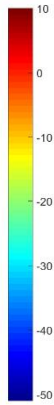
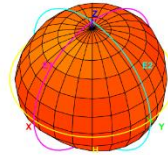
Total\_3D\_Front View\_700MHz



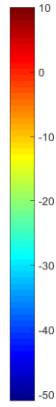
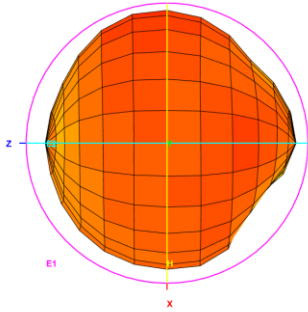
Total\_3D\_Left View\_700MHz



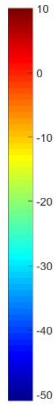
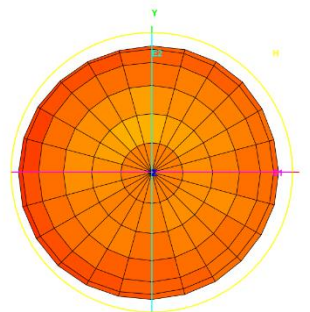
Total\_3D\_Side View 1\_700MHz



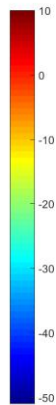
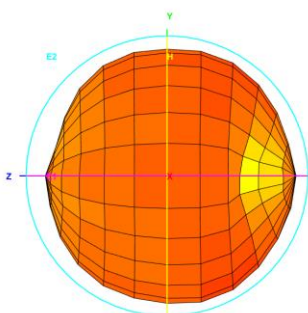
Total\_3D\_Top View\_824MHz



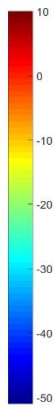
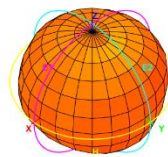
Total\_3D\_Front View\_824MHz



Total\_3D\_Left View\_824MHz

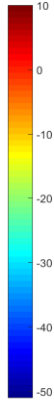
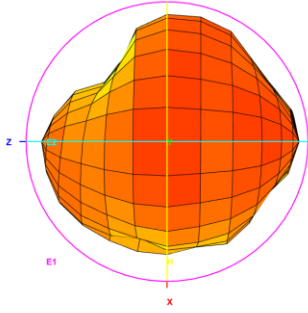


Total\_3D\_Side View 1\_824MHz

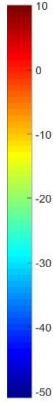
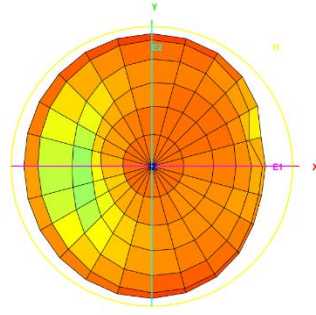




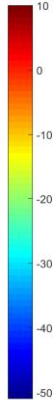
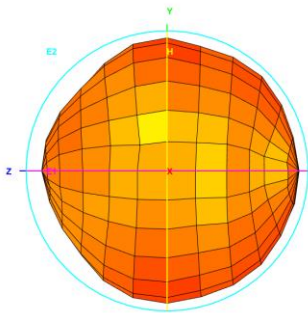
Total\_3D\_Top View\_960MHz



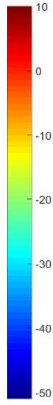
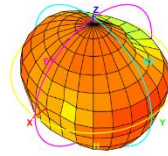
Total\_3D\_Front View\_960MHz



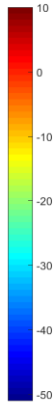
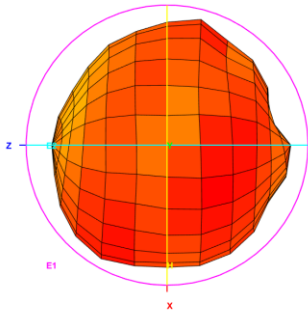
Total\_3D\_Left View\_960MHz



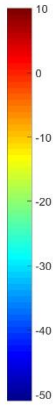
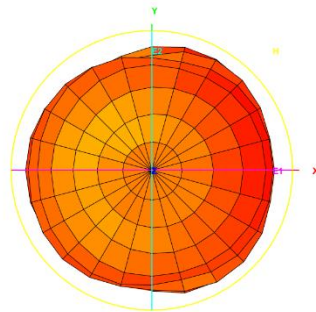
Total\_3D\_Side View 1\_960MHz



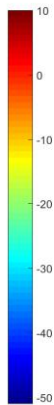
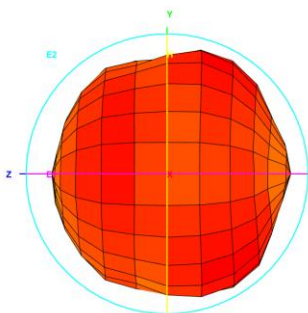
Total\_3D\_Top View\_1.71GHz



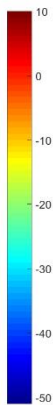
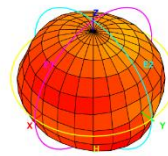
Total\_3D\_Front View\_1.71GHz



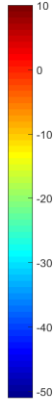
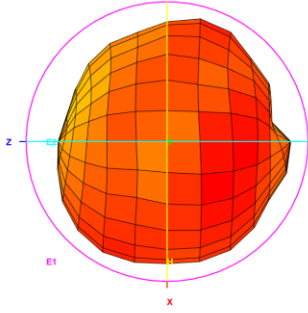
Total\_3D\_Left View\_1.71GHz



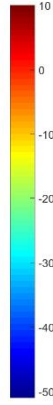
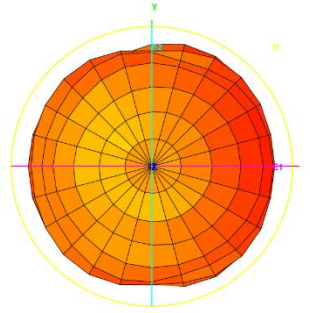
Total\_3D\_Side View 1\_1.71GHz



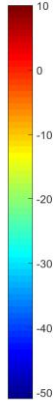
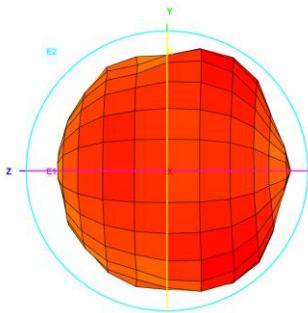
Total\_3D\_Top View\_1.88GHz



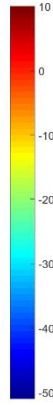
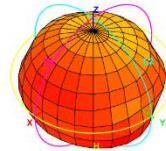
Total\_3D\_Front View\_1.88GHz



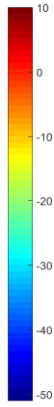
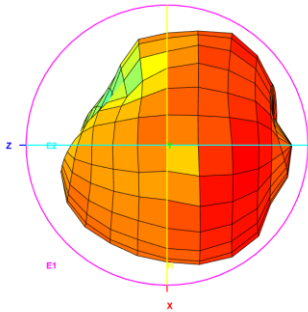
Total\_3D\_Left View\_1.88GHz



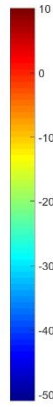
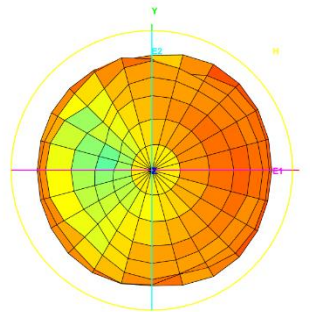
Total\_3D\_Side View 1\_1.88GHz



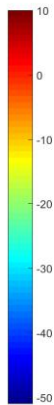
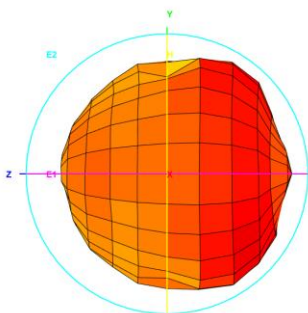
Total\_3D\_Top View\_2.17GHz



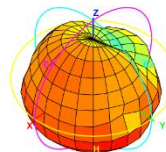
Total\_3D\_Front View\_2.17GHz



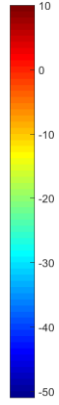
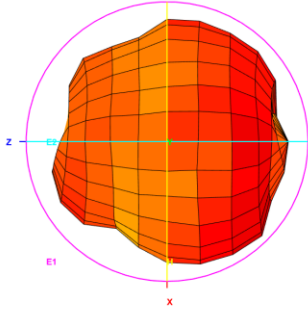
Total\_3D\_Left View\_2.17GHz



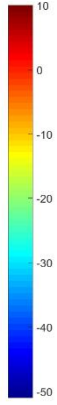
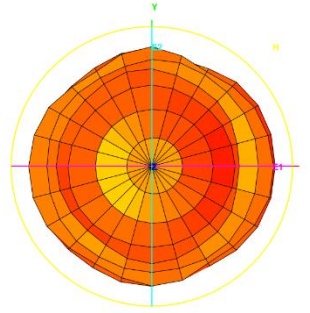
Total\_3D\_Side View 1\_2.17GHz



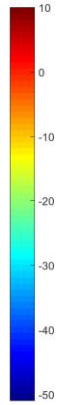
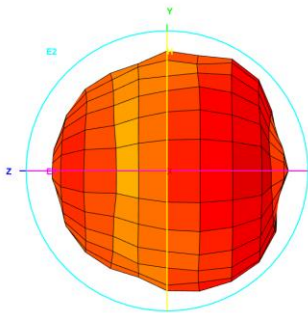
Total\_3D\_Top View\_2.4GHz



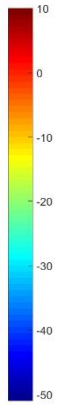
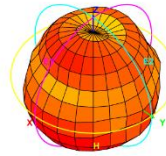
Total\_3D\_Front View\_2.4GHz



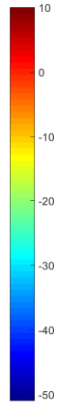
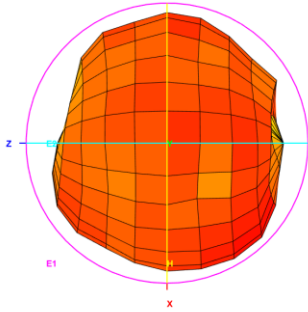
Total\_3D\_Left View\_2.4GHz



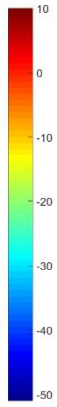
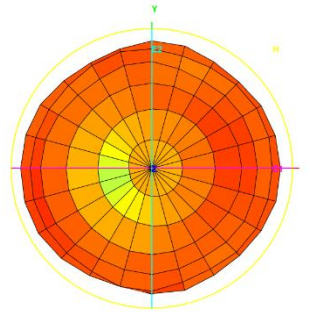
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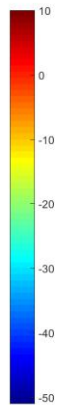
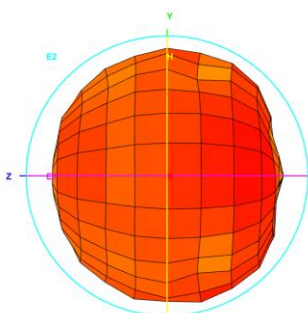
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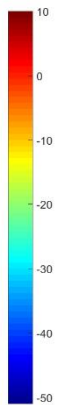
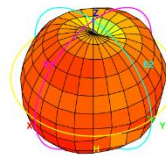
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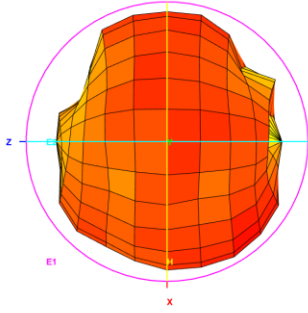
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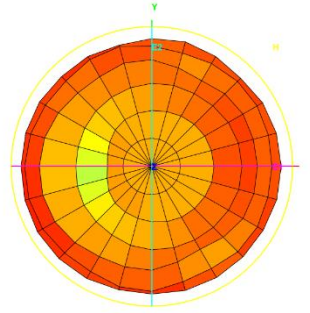
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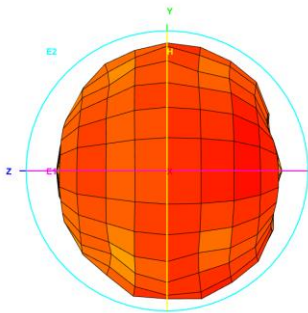
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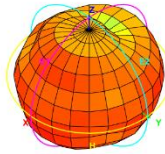
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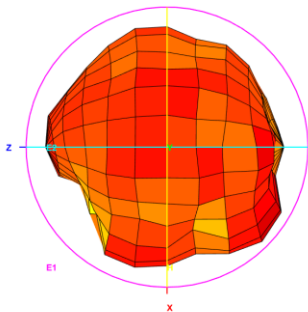
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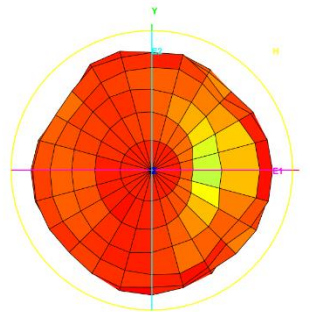
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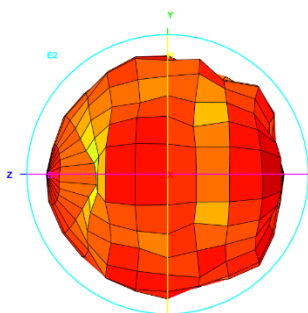
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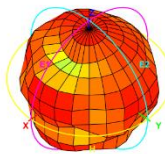
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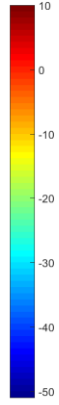
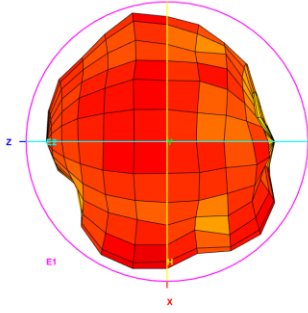
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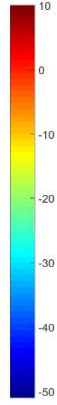
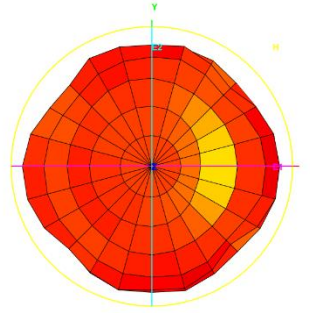
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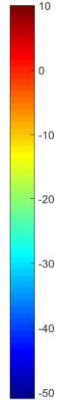
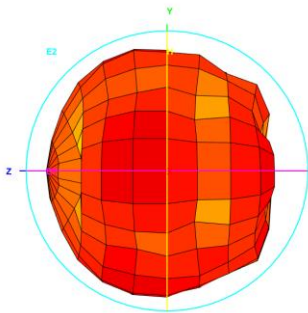
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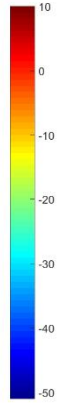
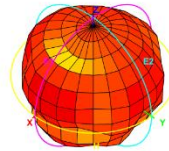
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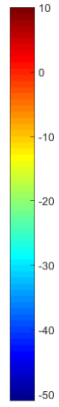
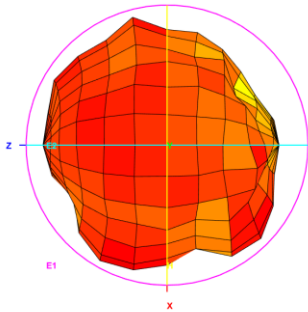
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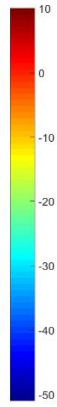
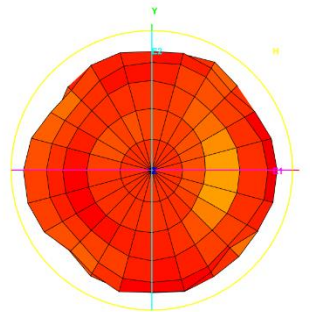
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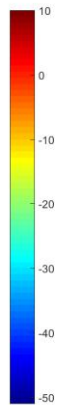
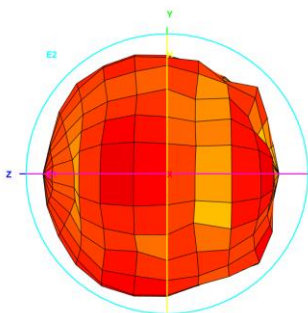
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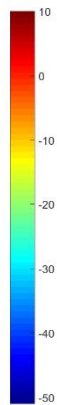
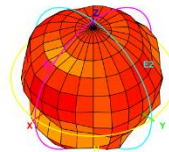
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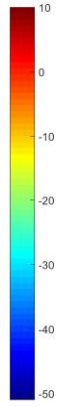
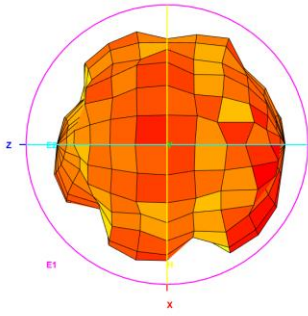
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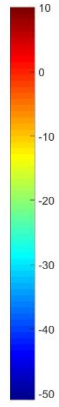
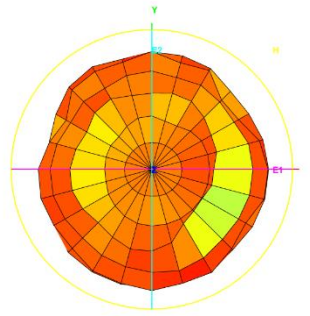
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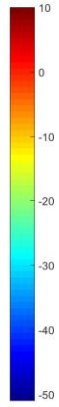
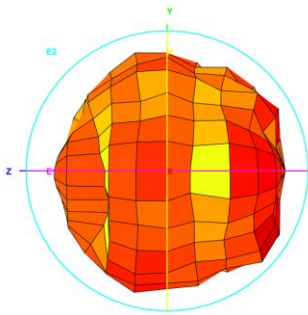
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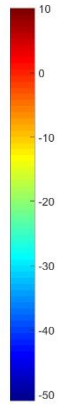
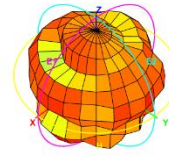
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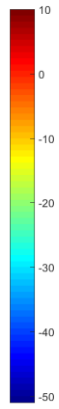
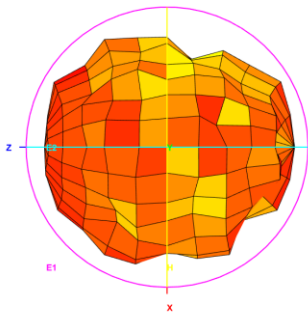
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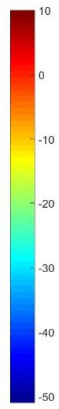
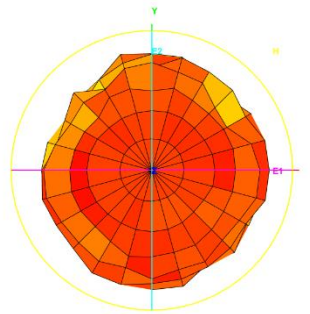
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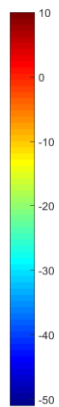
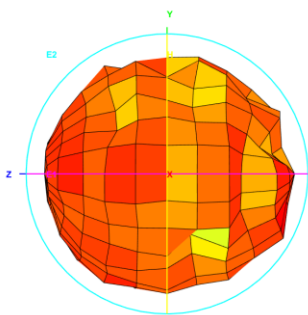
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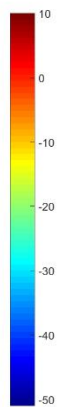
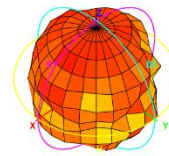
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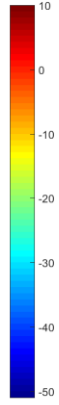
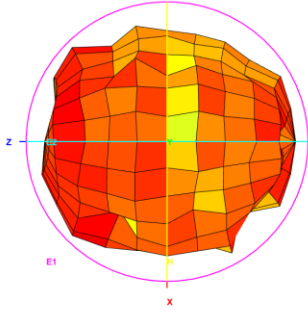
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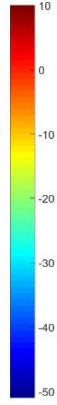
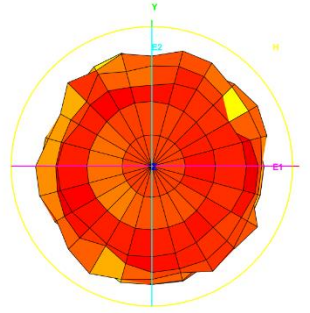
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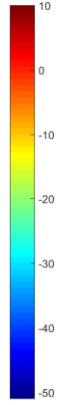
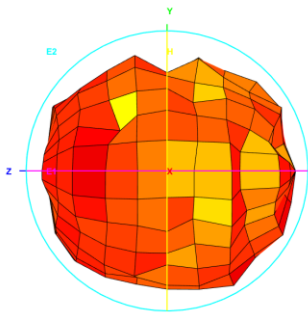
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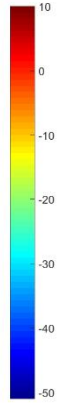
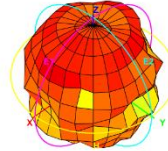
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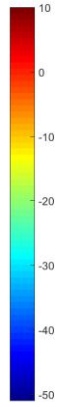
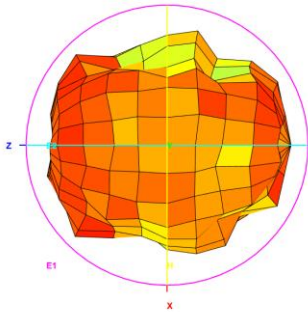
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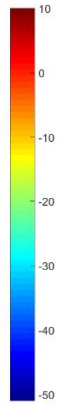
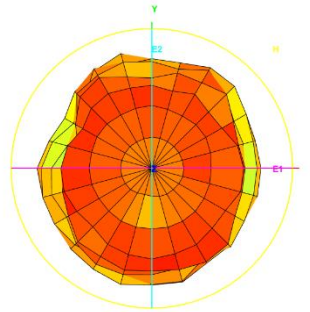
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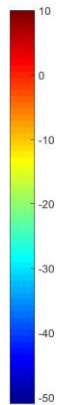
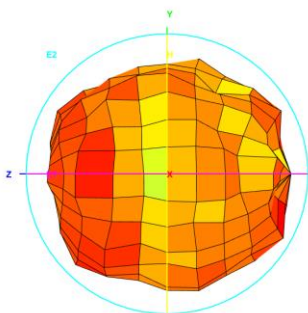
Total\_3D\_Top View\_5.8GHz



Total\_3D\_Front View\_5.8GHz



Total\_3D\_Left View\_5.8GHz



Total\_3D\_Side View 1\_5.8GHz

