

BM-8753BFR

Antenna Test report

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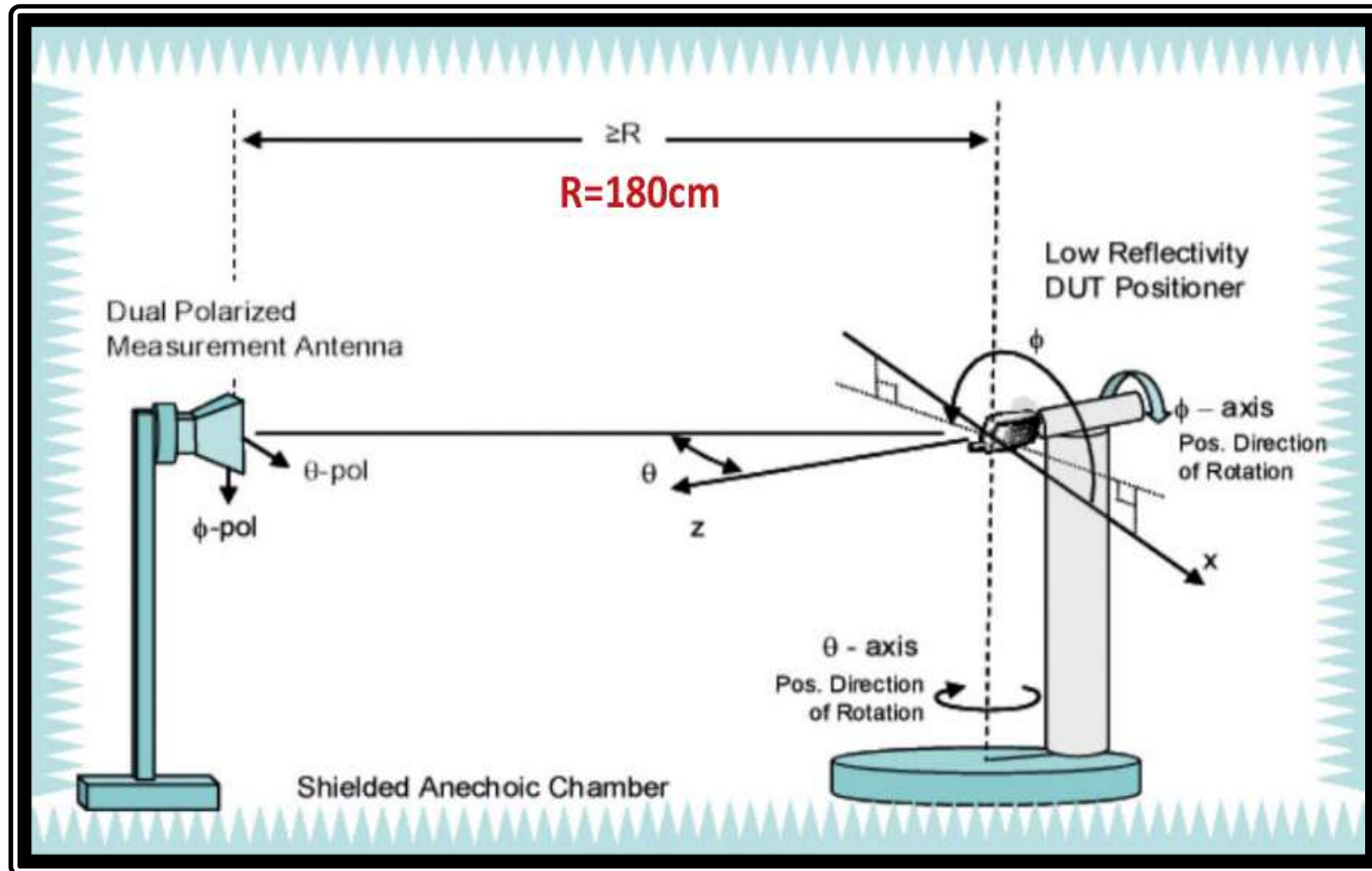
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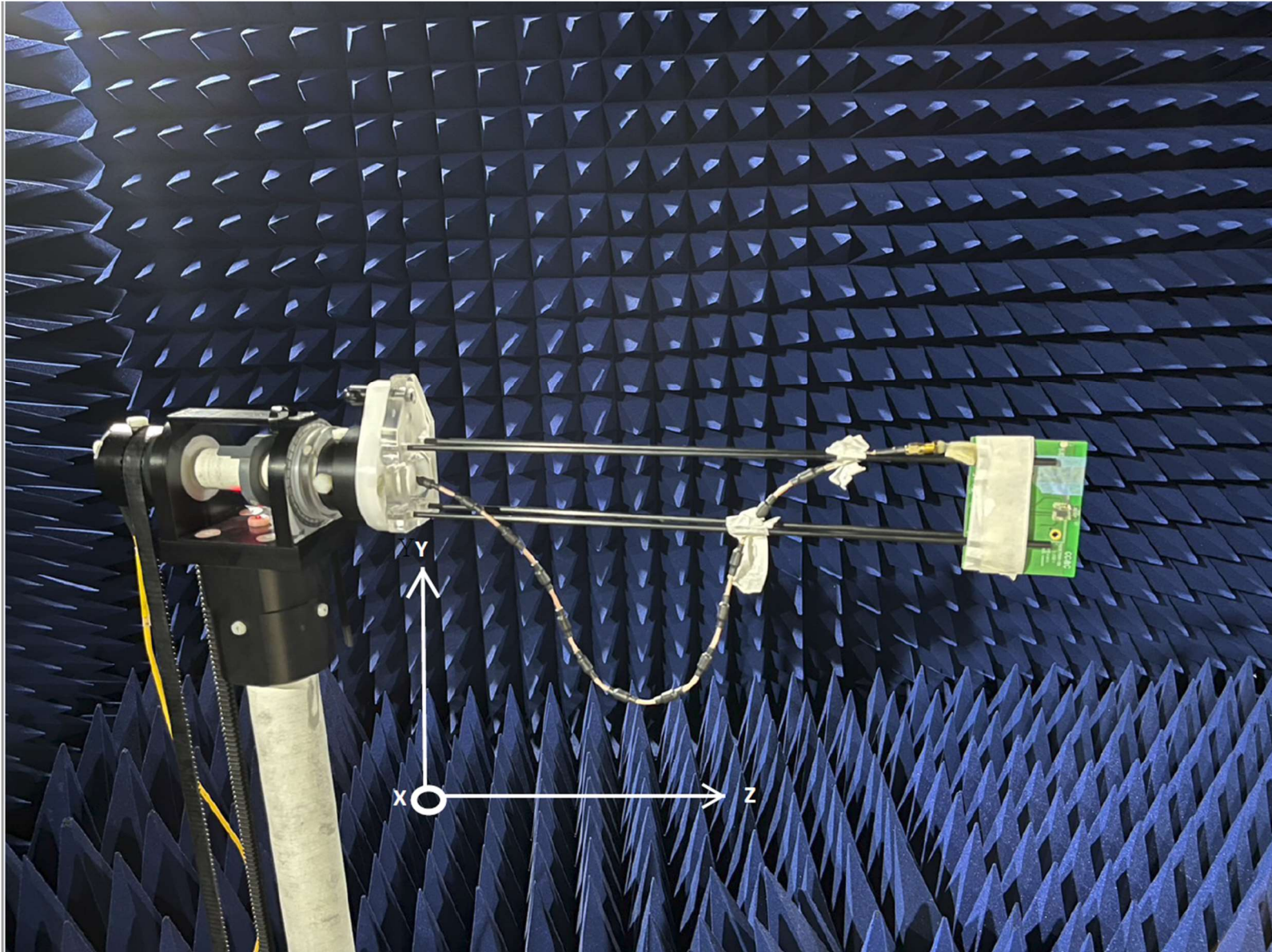
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Antenna Test System



Antenna Under Test



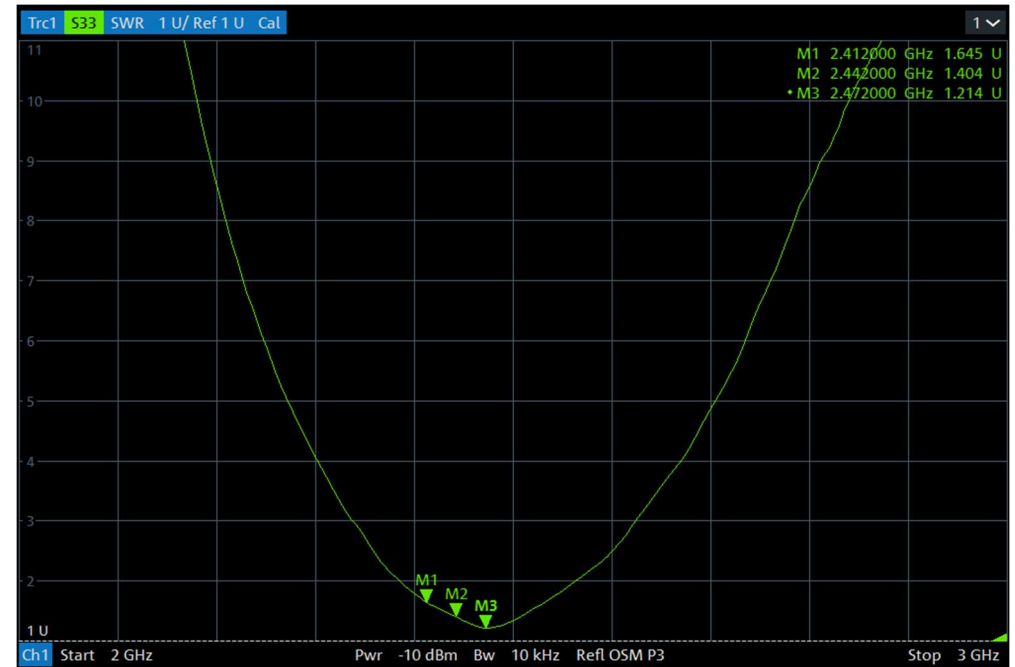
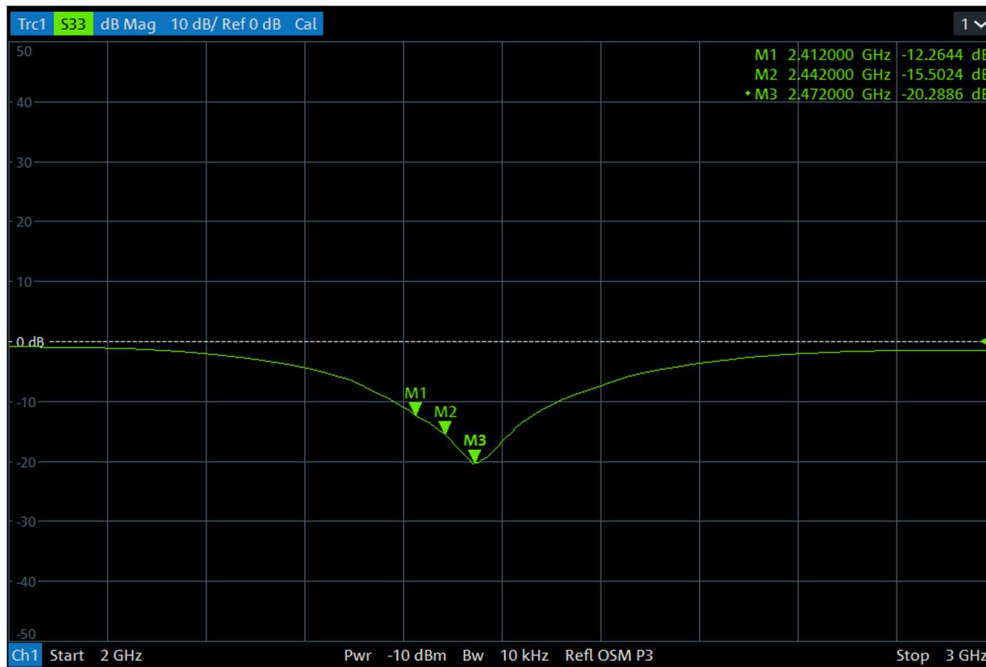
CC&C Antenna Performance Criteria :

1. Return loss ≤ -10 dB
2. VSWR ≤ 2
3. Efficiency (%) $\geq 30\%$
4. Gain = 0 ± 2 dBi

Test Result :

The antenna performance is acceptable.

Return Loss and VSWR

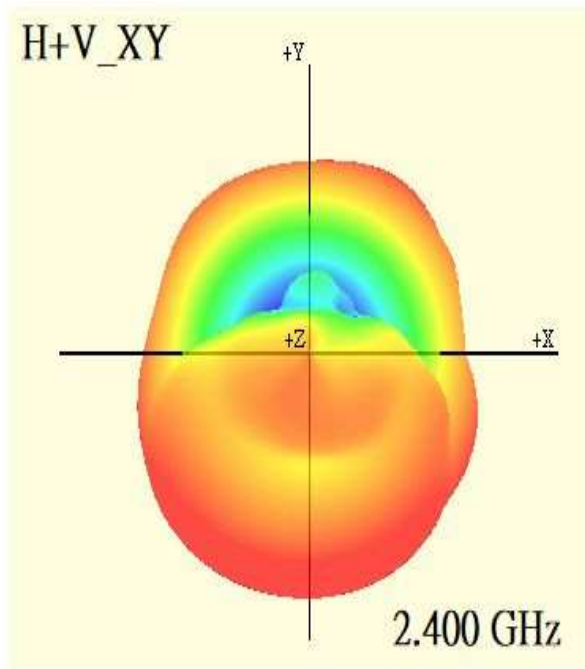


Gain table

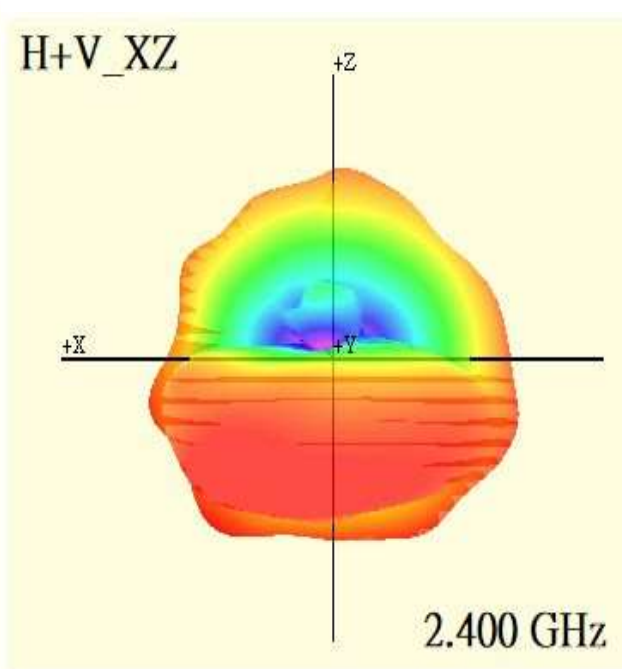
Model	BM-8753BFR							
Total Polarization								
Frequency (MHz)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	NHPRP (Pi/4)(dBm)	NHPRP (Pi/6)(dBm)
2.400 GHz	-4.322	0.366	4.689	-4.322	36.962	0.366	-5.437	-6.884
2.410 GHz	-3.708	0.984	4.692	-3.708	42.58	0.984	-4.816	-6.275
2.420 GHz	-3.678	1.146	4.824	-3.678	42.875	1.146	-4.779	-6.235
2.430 GHz	-3.73	1.169	4.899	-3.73	42.364	1.169	-4.839	-6.302
2.440 GHz	-3.415	1.256	4.671	-3.415	45.555	1.256	-4.532	-6.016
2.450 GHz	-3.13	1.321	4.451	-3.13	48.638	1.321	-4.247	-5.749
2.460 GHz	-3.308	1.058	4.366	-3.308	46.693	1.058	-4.437	-5.951
2.470 GHz	-3.27	1.041	4.31	-3.27	47.102	1.041	-4.429	-5.944
2.480 GHz	-3.018	1.086	4.104	-3.018	49.906	1.086	-4.203	-5.703
2.490 GHz	-2.84	1.068	3.908	-2.84	51.996	1.068	-4.039	-5.532
2.500 GHz	-2.752	1.363	4.114	-2.752	53.069	1.363	-3.967	-5.452

3D pattern-2400 MHz

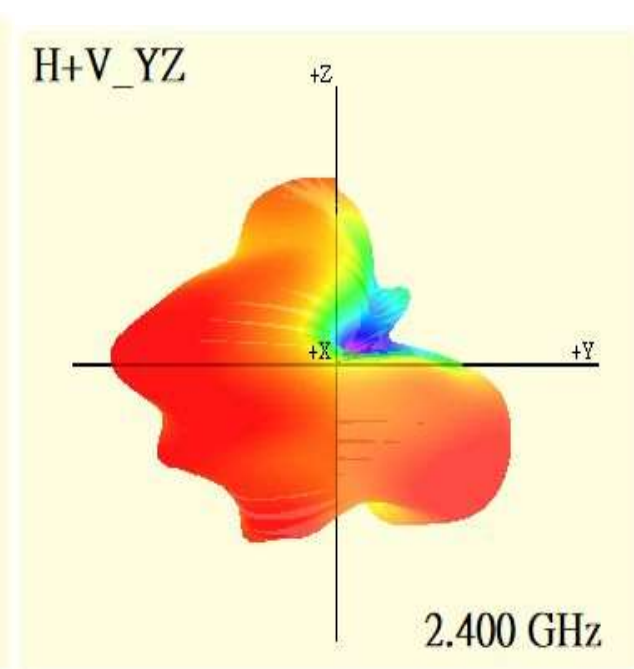
XY



XZ

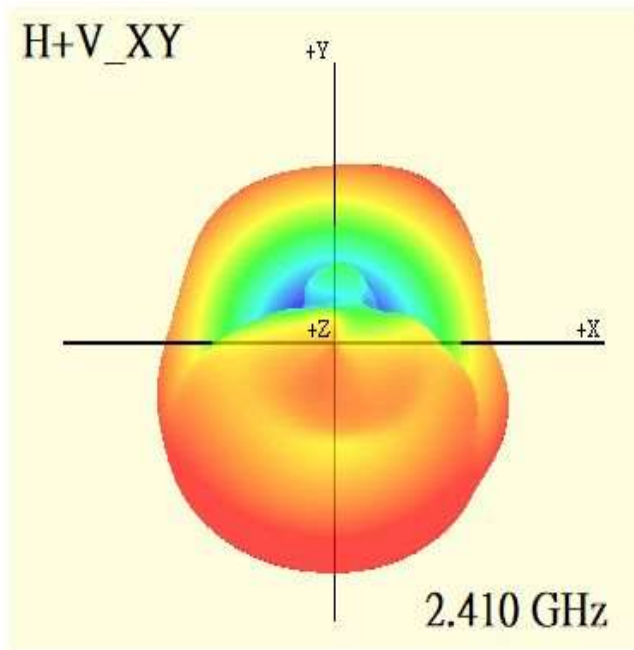


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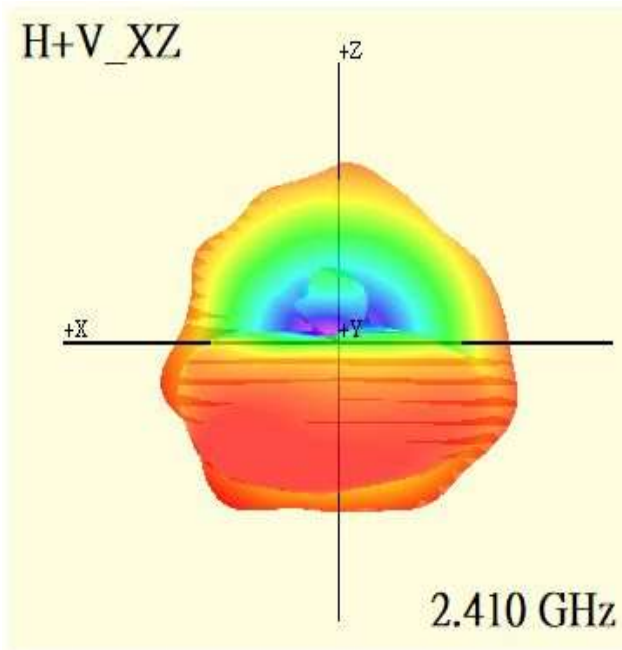


3D pattern-2410 MHz

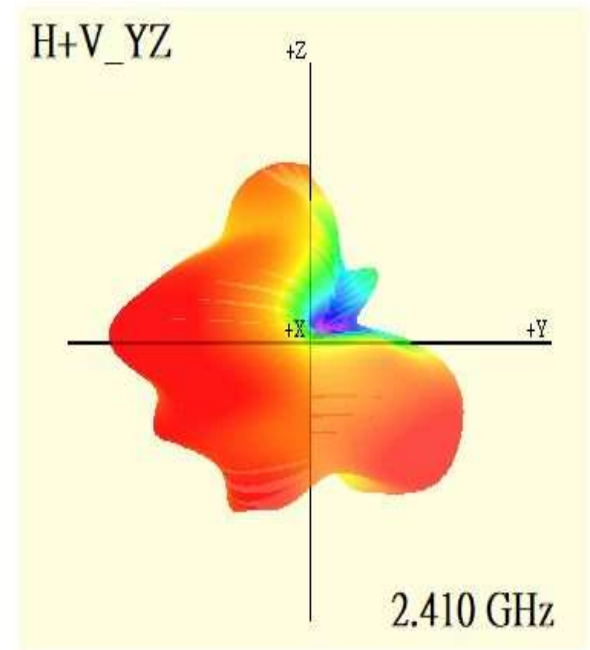
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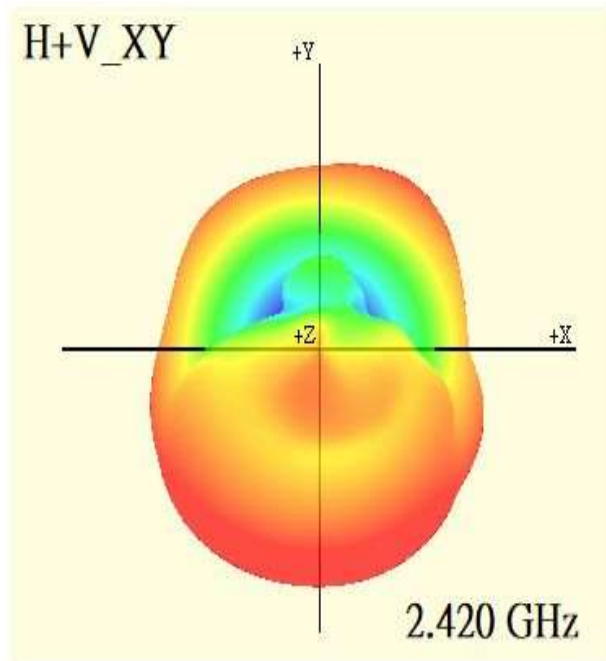


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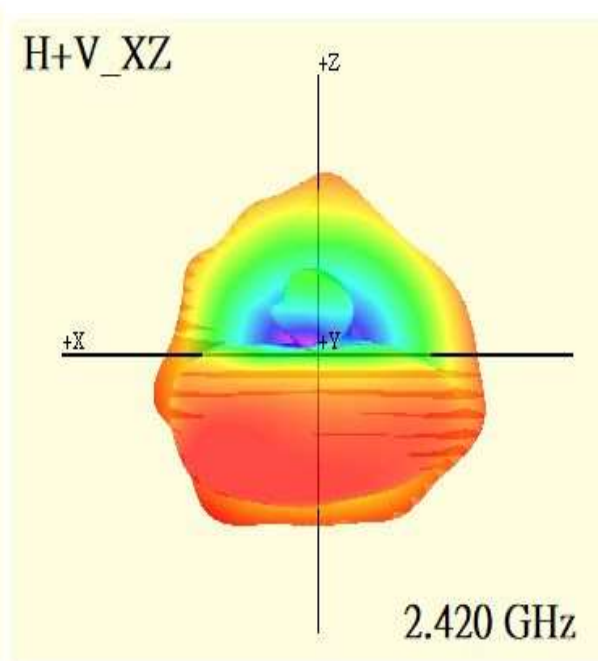


3D pattern-2420 MHz

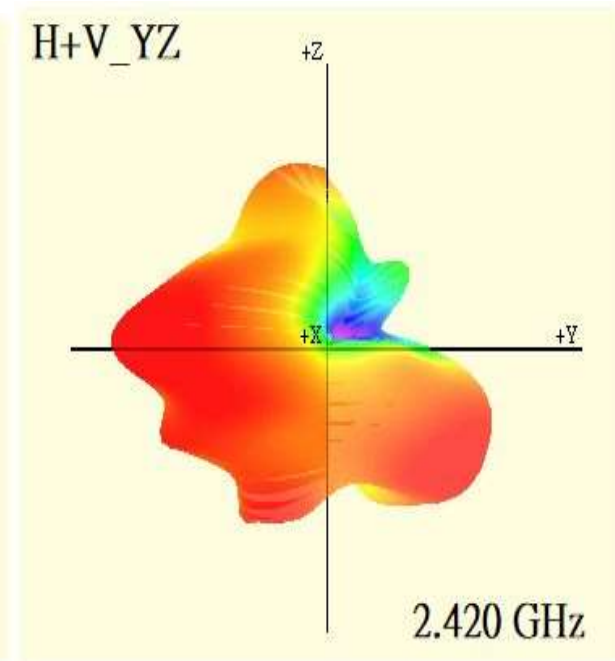
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XZ

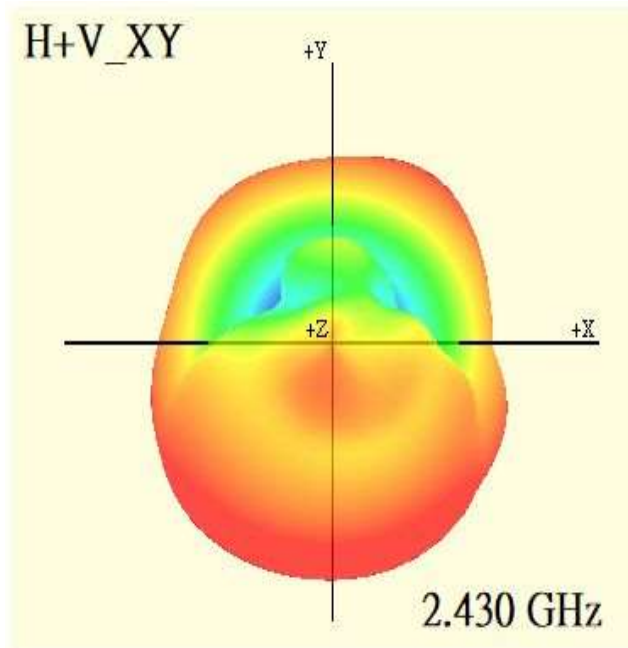


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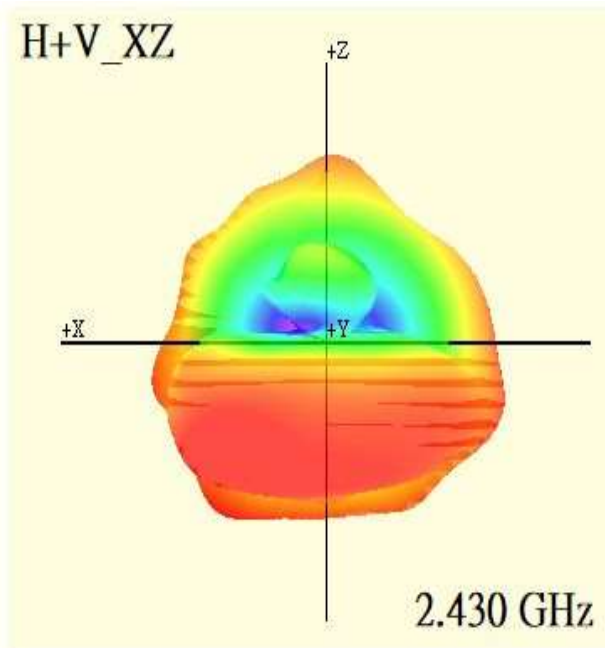


3D pattern-2430 MHz

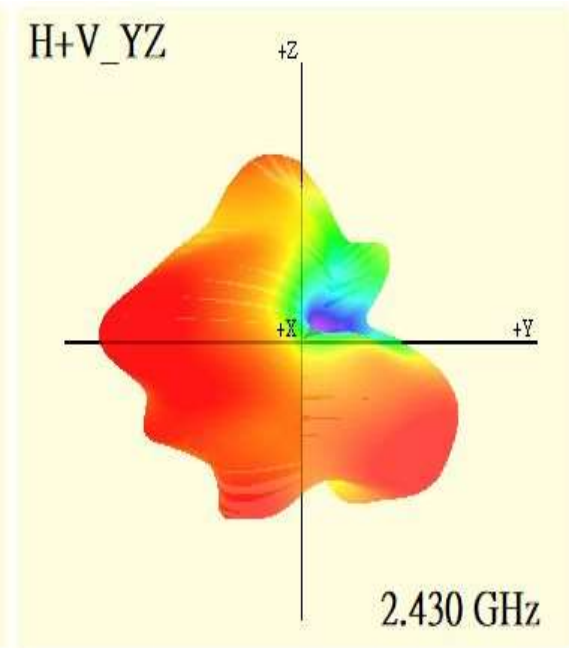
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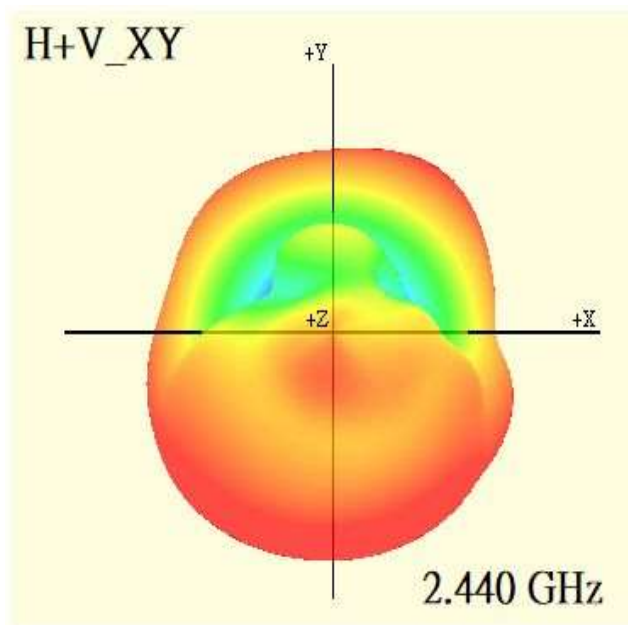


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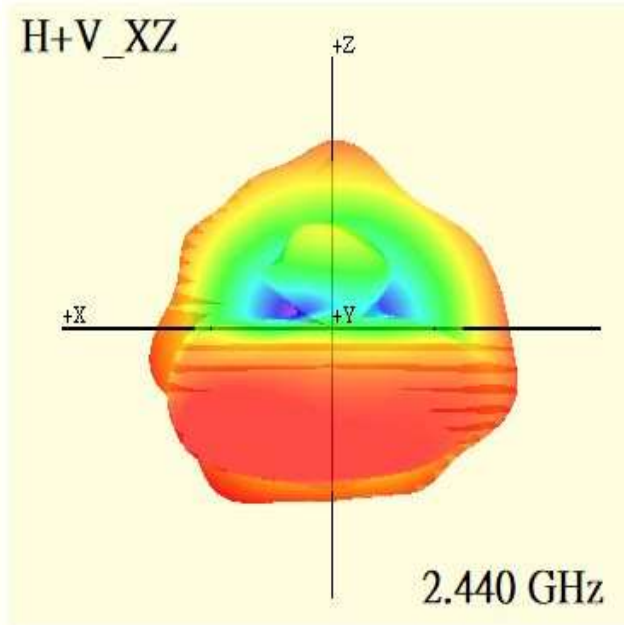


3D pattern-2440 MHz

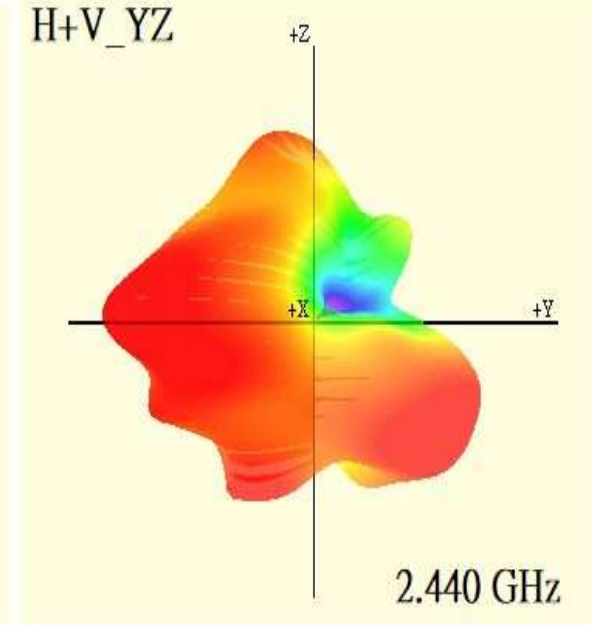
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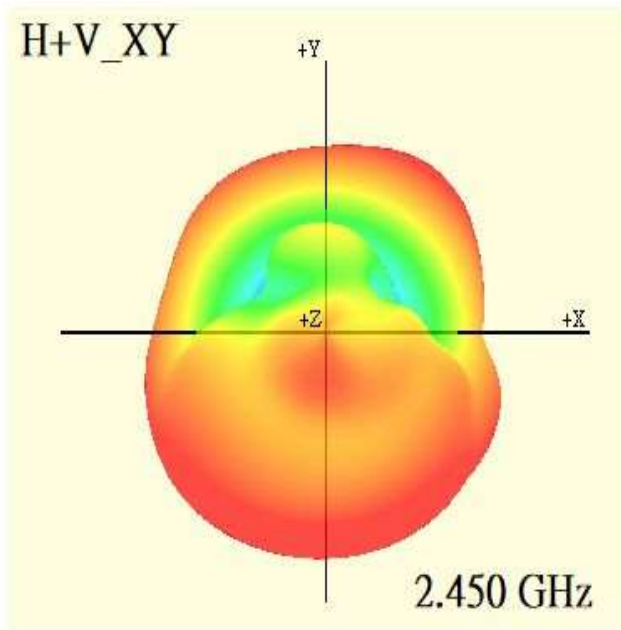


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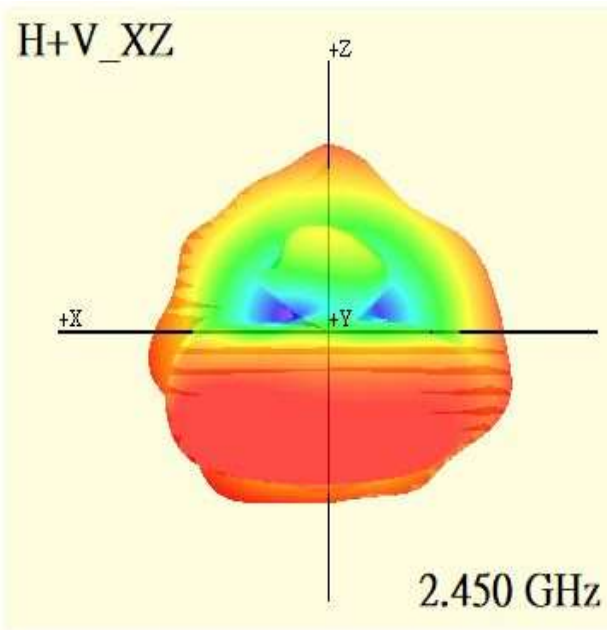


3D pattern-2450 MHz

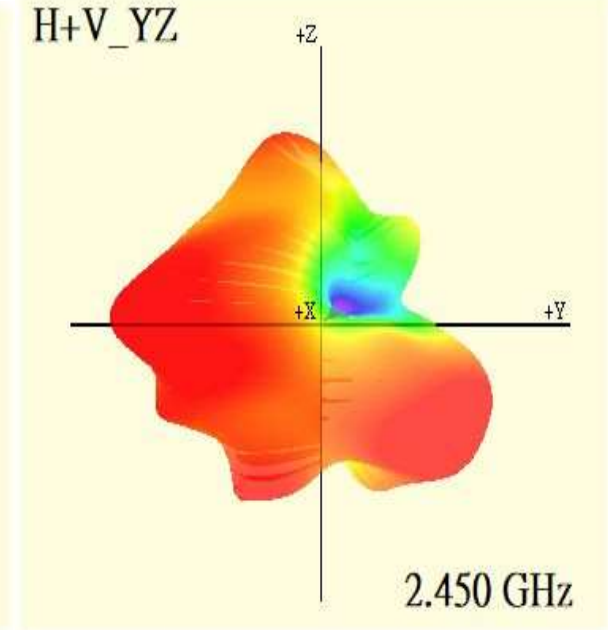
XY



XZ

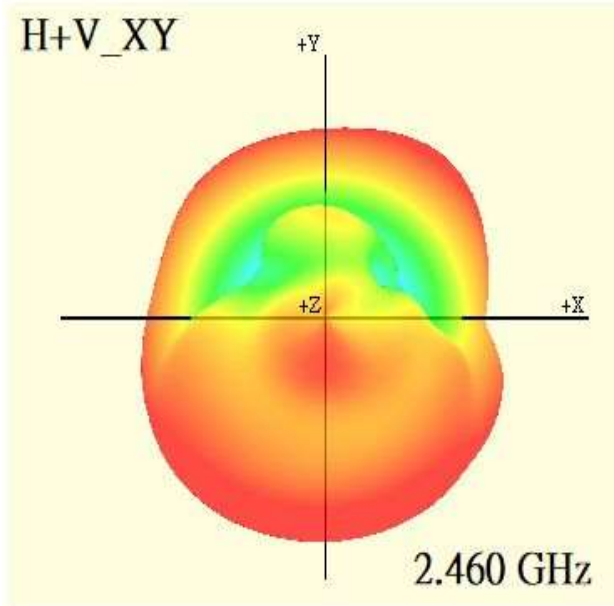


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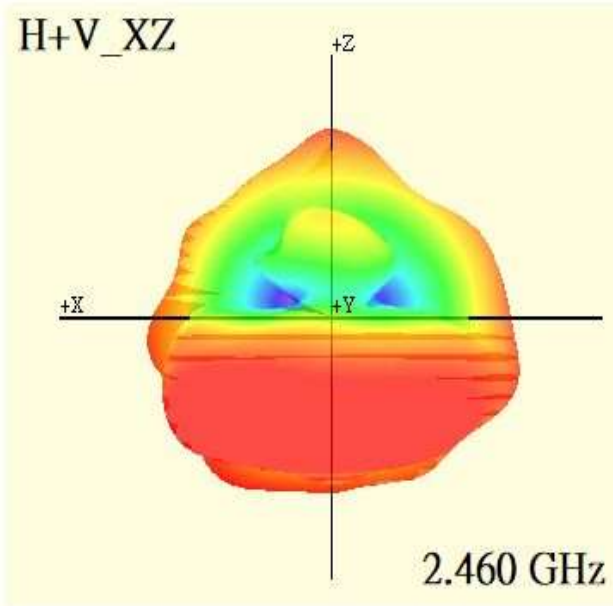


3D pattern-2460 MHz

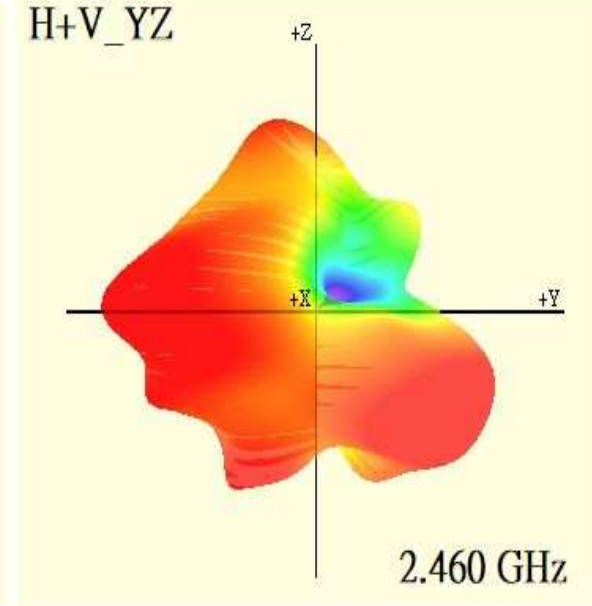
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XZ

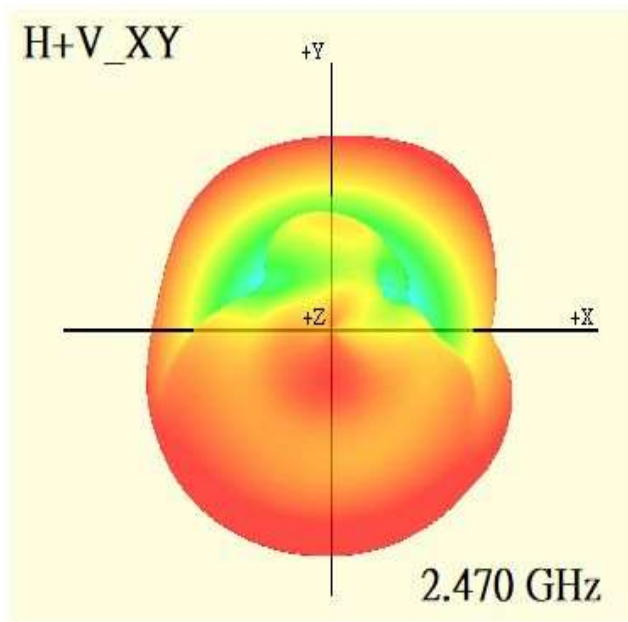


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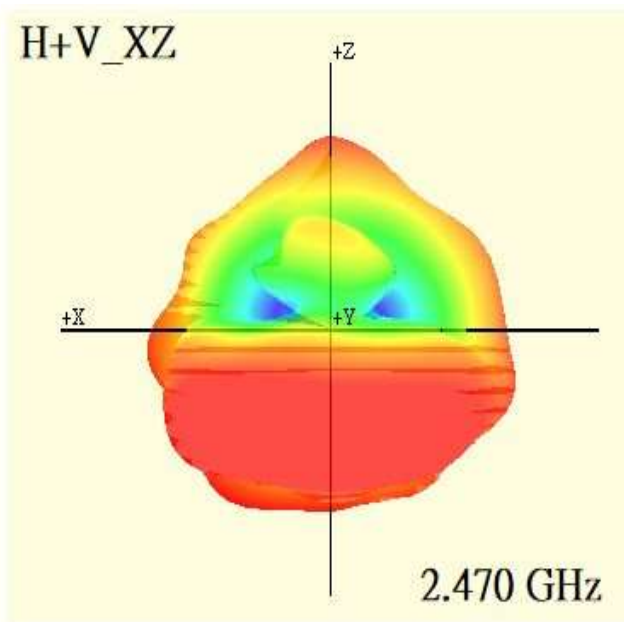


3D pattern-2470 MHz

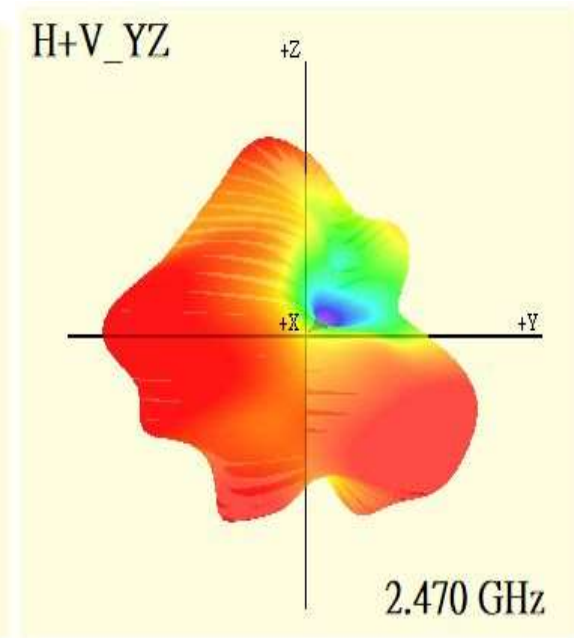
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XZ

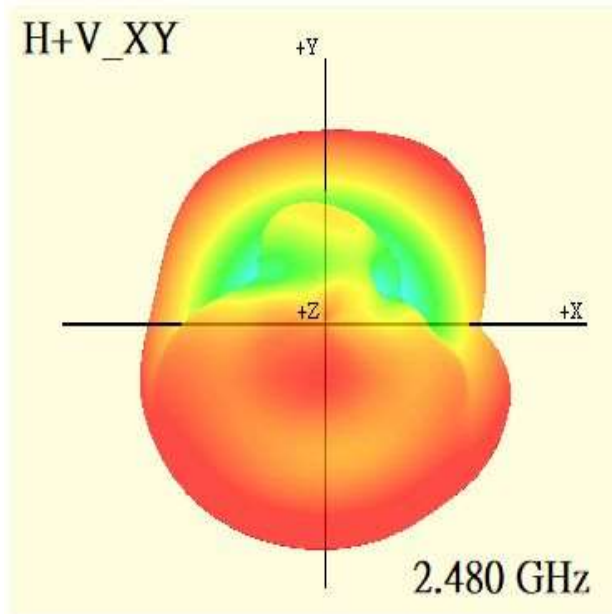


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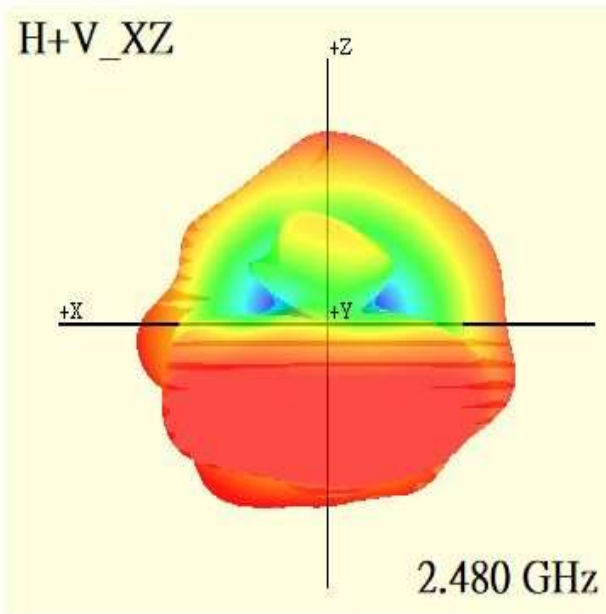


3D pattern-2480 MHz

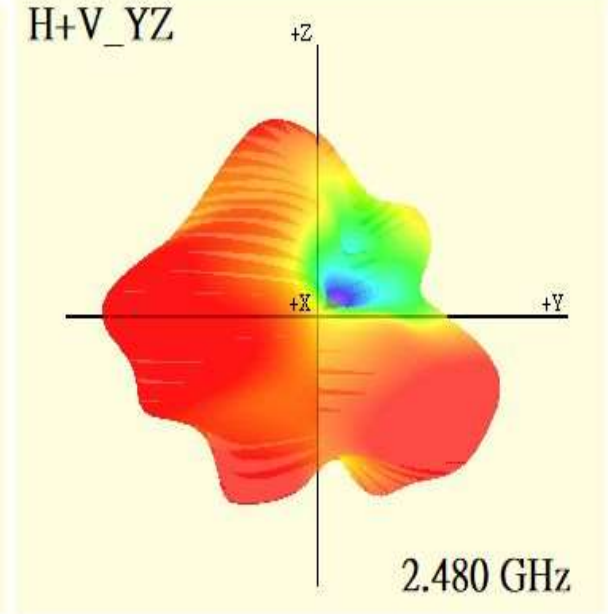
XY



XZ

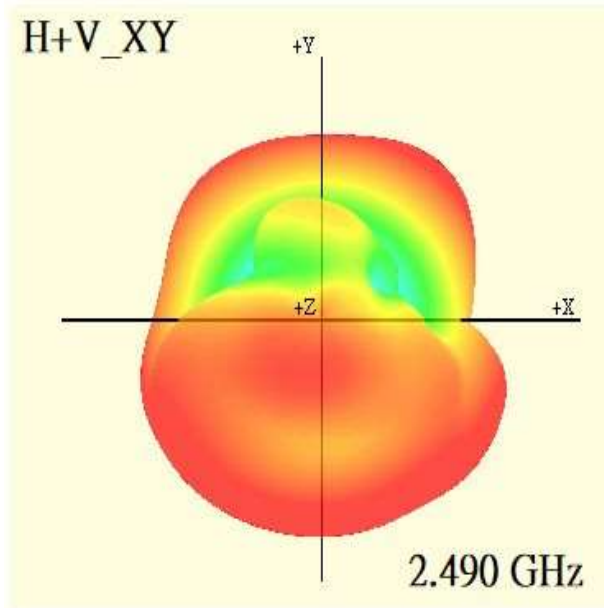


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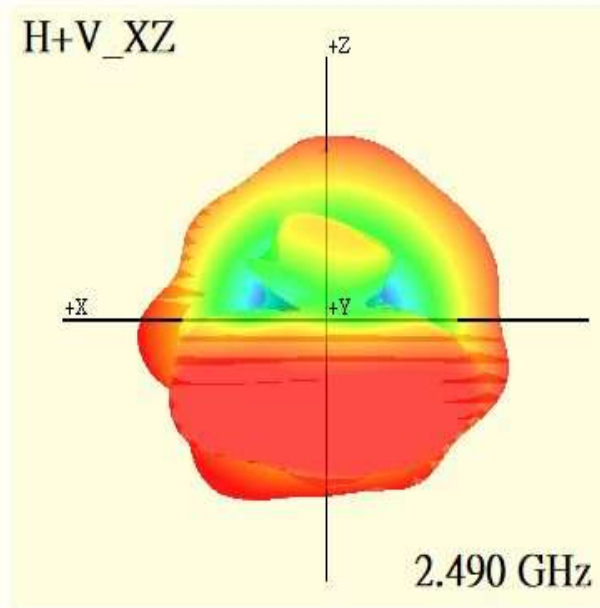


3D pattern-2490 MHz

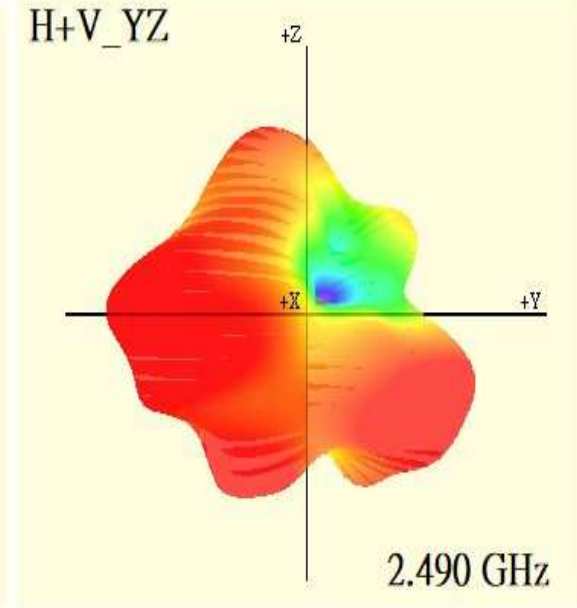
XY



XZ

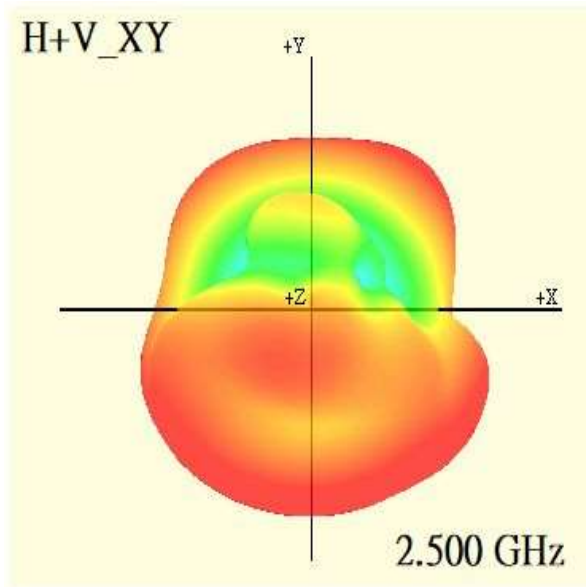


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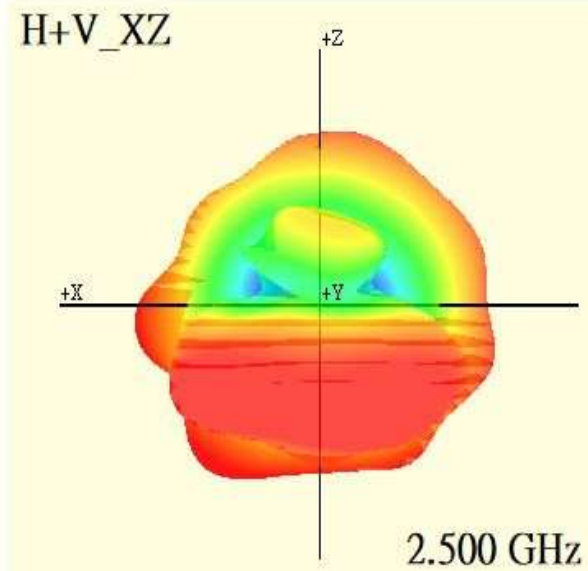


3D pattern-2500 MHz

XY



XZ



YZ

