

## Antenna Information

Antenna Manufacturer: Huizhou Speed Wireless Technology Co.,Ltd.

Test lab: Speed

Test equipment: CMW500

Test engineer: Jiang Yitao

Chamber info: Signaling: GTS, No-signaling: ETS

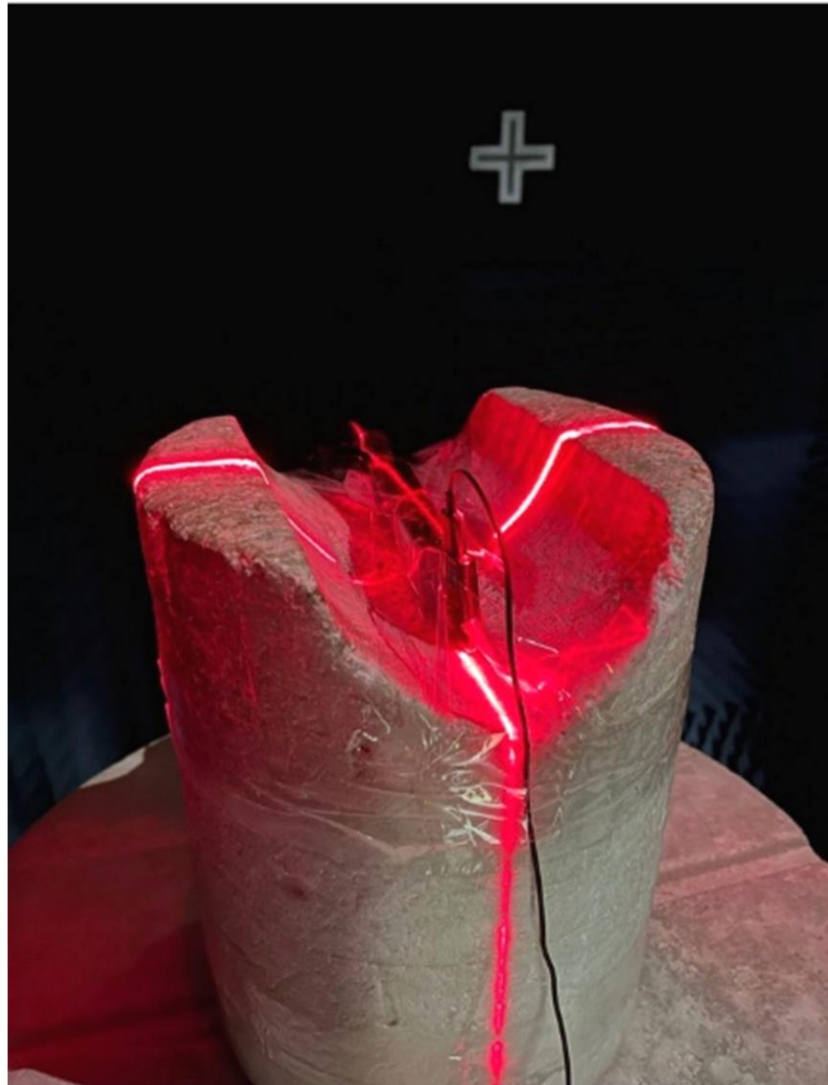
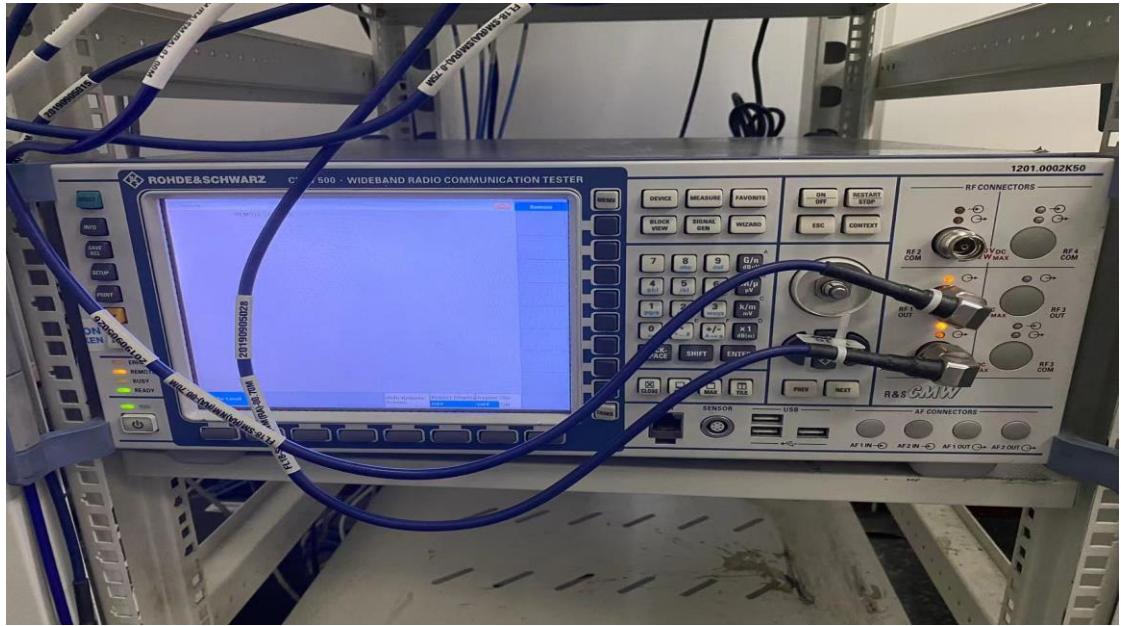
Gain measurement Lab info: Huizhou Speed Wireless Technology Co.,Ltd. Address:

No.99,Weixin,Road,SIP,Suzhou City, Jiangsu Province, China

Software used: EMQuest

Chamber & equipment setup photo:





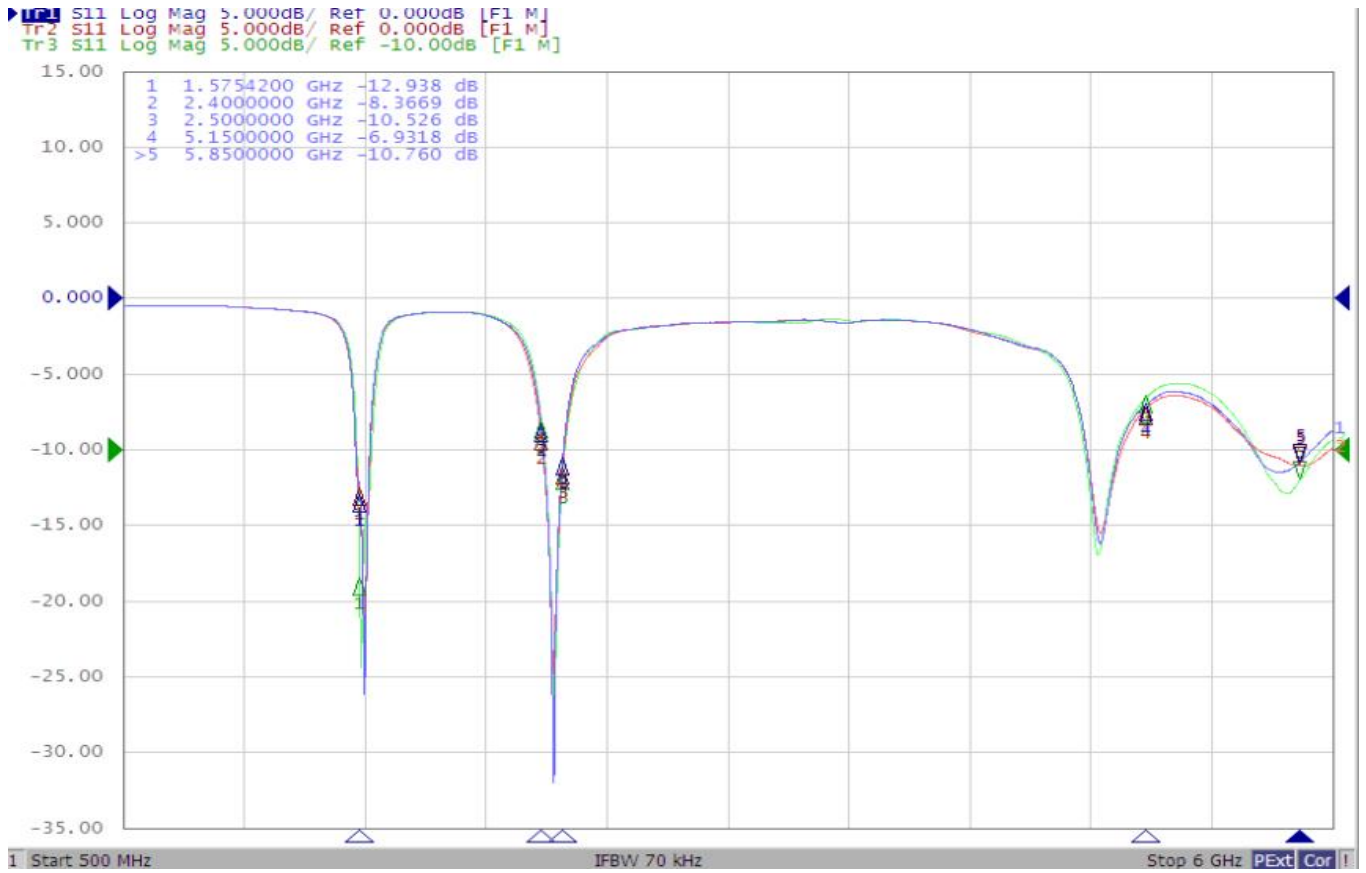
Passive antenna gain:

Band	Freq(MHz)	Efficiency(dB)	Gain (dBi)
2.4GHz	2400	-3.4	1.1
	2410	-3.3	1.7
	2420	-3.0	1.9
	2430	-2.9	1.7
	2440	-3.0	2.4
	2450	-2.7	2.1
	2460	-2.9	2.2
	2470	-2.9	2.4
	2480	-3.0	2.3
	2490	-2.6	2.4
	2500	-3.1	2.3
5GHz	5150	-3.8	2.6
	5200	-4.0	3.2
	5250	-3.7	3.0
	5300	-3.5	2.6
	5350	-3.5	2.9
	5400	-3.3	3.3
	5450	-2.8	3.1
	5500	-2.4	3.8
	5550	-2.8	3.0
	5600	-2.8	3.5
	5650	-2.5	3.8
	5700	-2.4	3.5
	5750	-2.5	3.9
	5800	-2.7	3.5
5850	-2.7	3.4	

### Calibration info

Item	Model number	Calibration date
OTA chamber	AMS8500	2023/3/26
Network Analyzer	E5071C	2022/8/2
Spectrum	N9010A	2022/8/2

Original data:

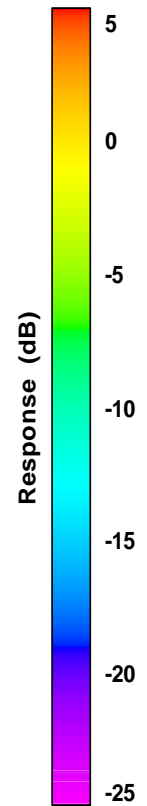
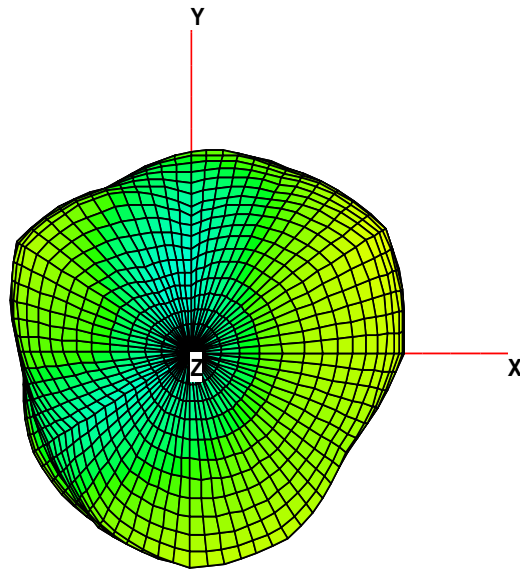


Pattern:

2400

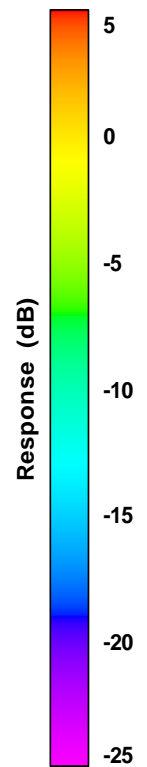
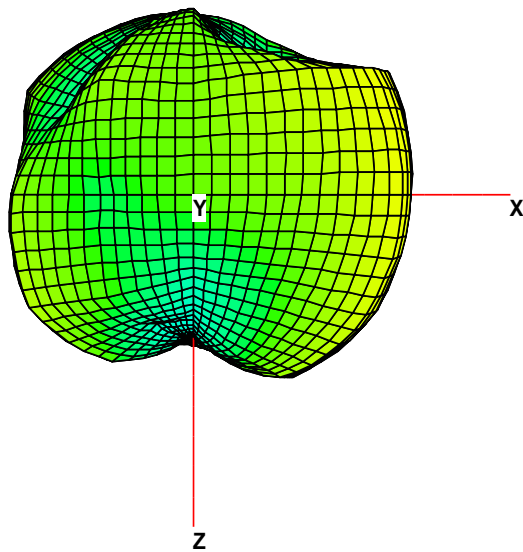
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Roll = 0.0



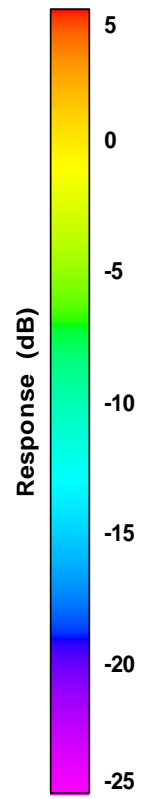
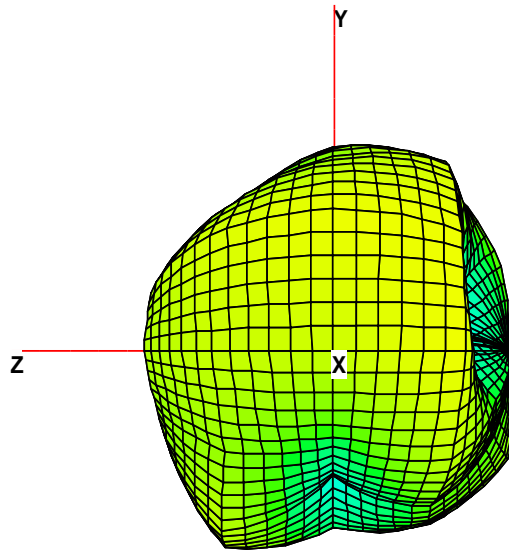
Total

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### Total

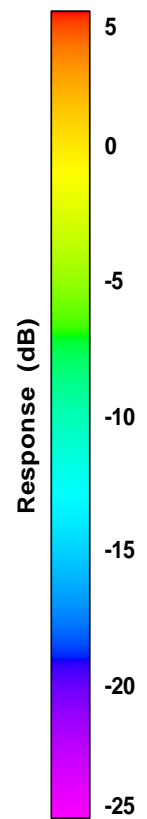
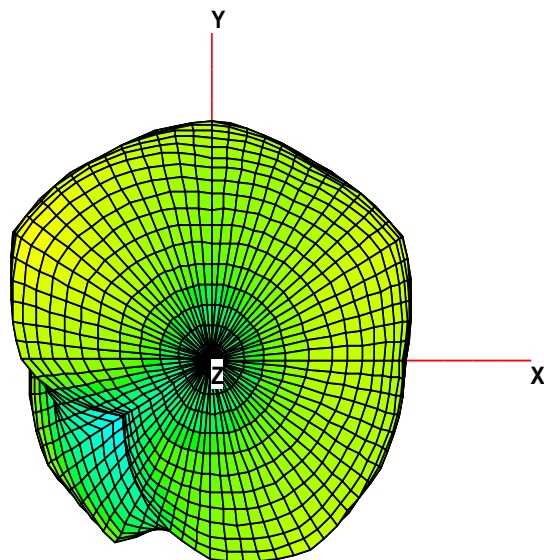
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2450

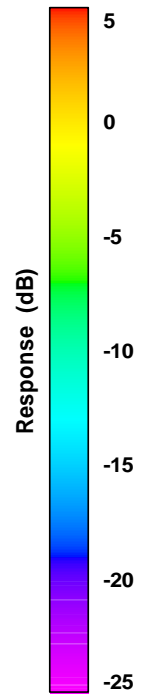
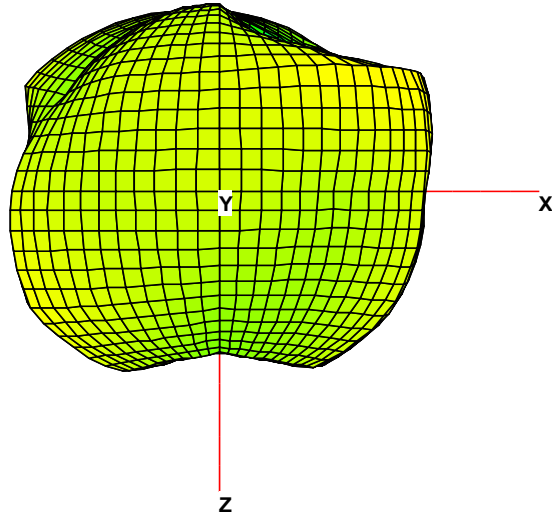
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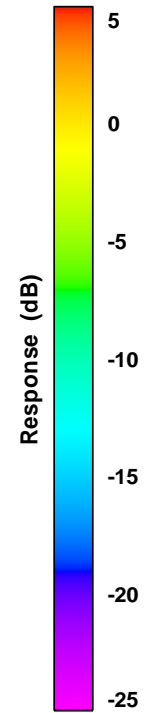
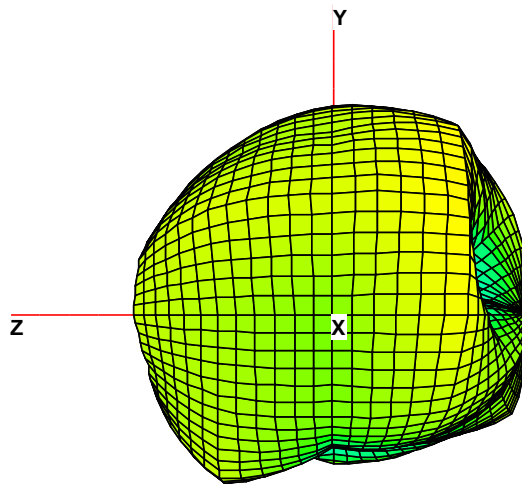
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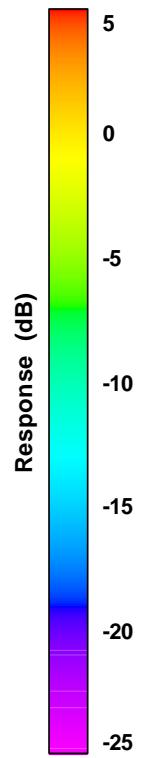
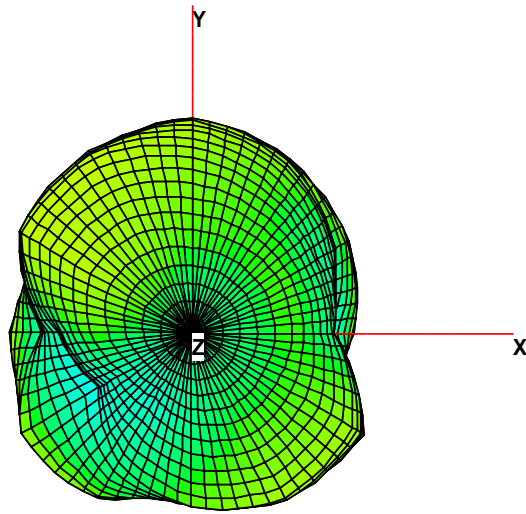
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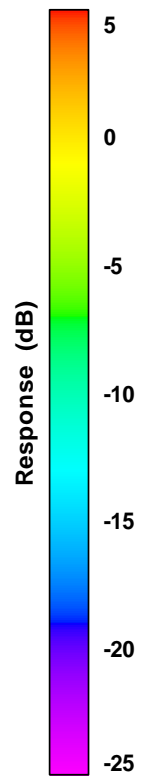
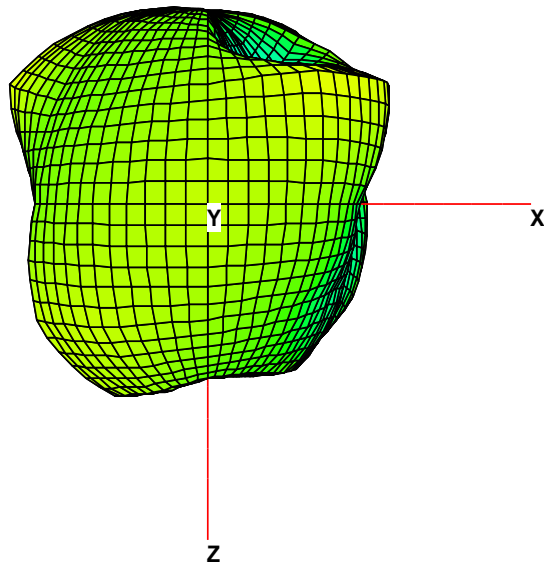
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### Total

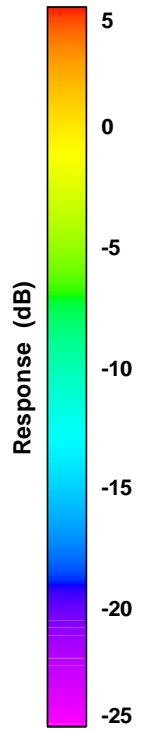
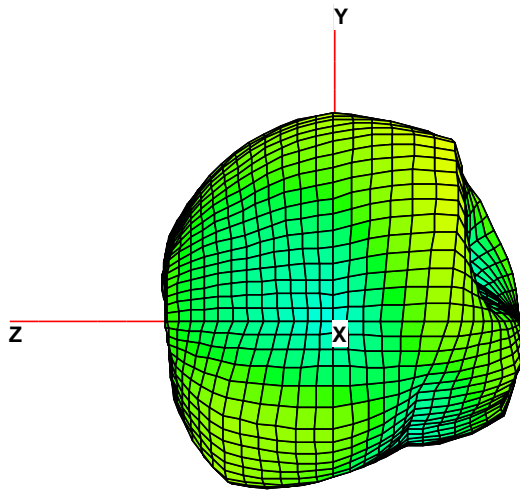
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### Total

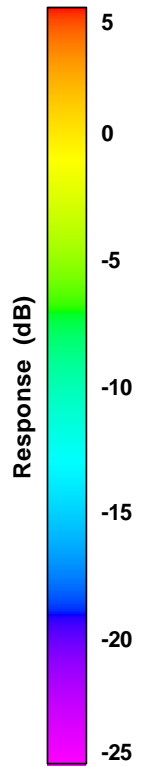
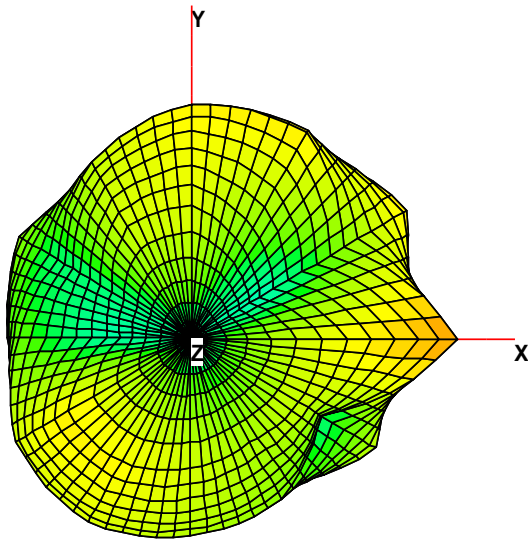
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5200

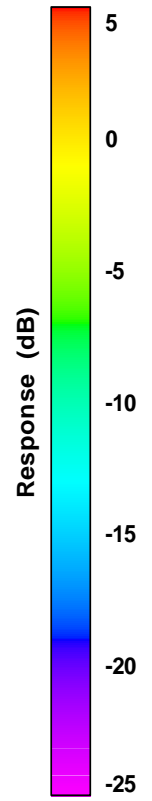
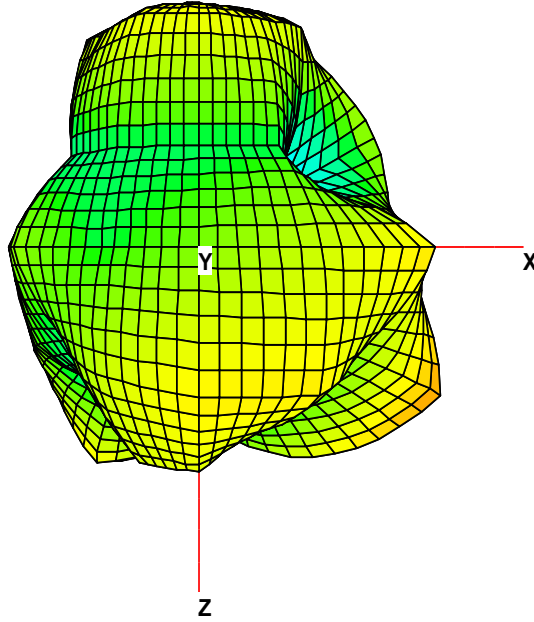
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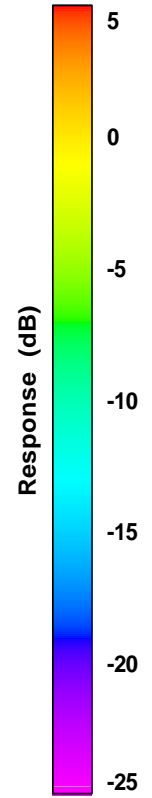
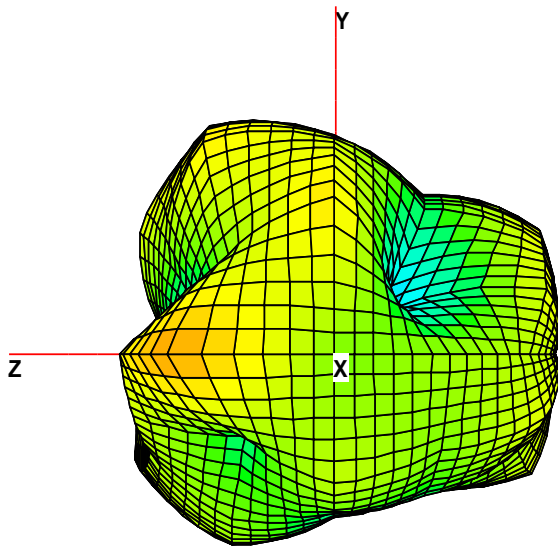
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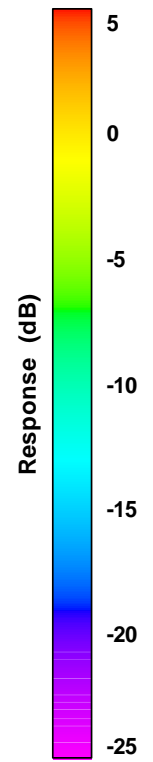
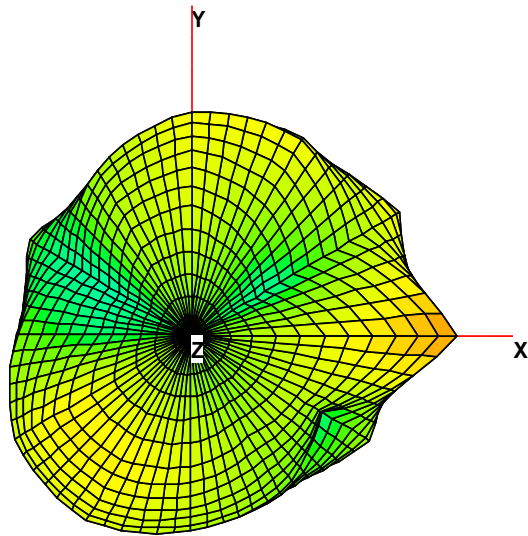
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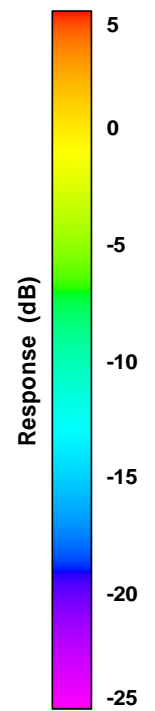
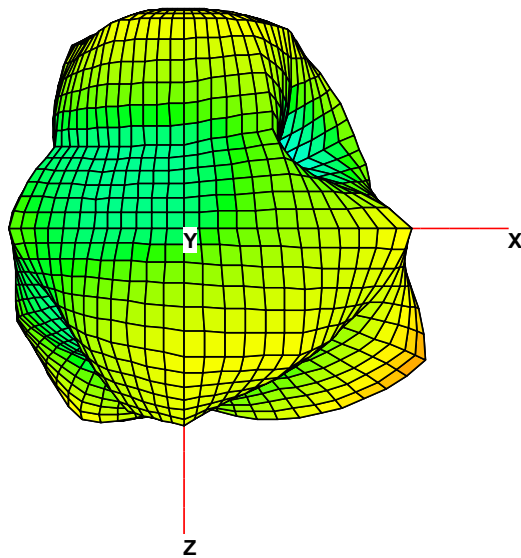
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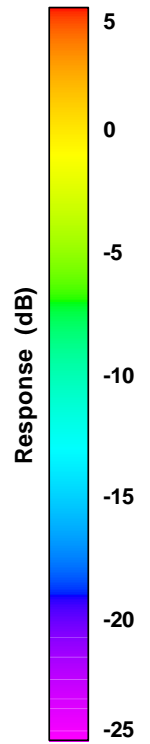
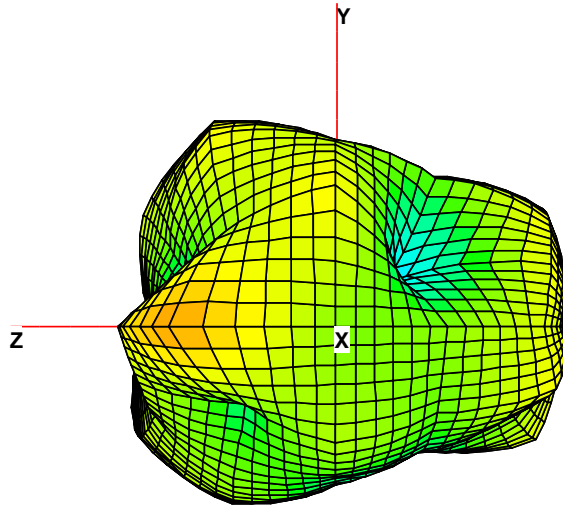
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### Total

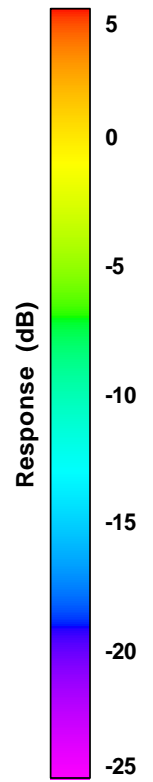
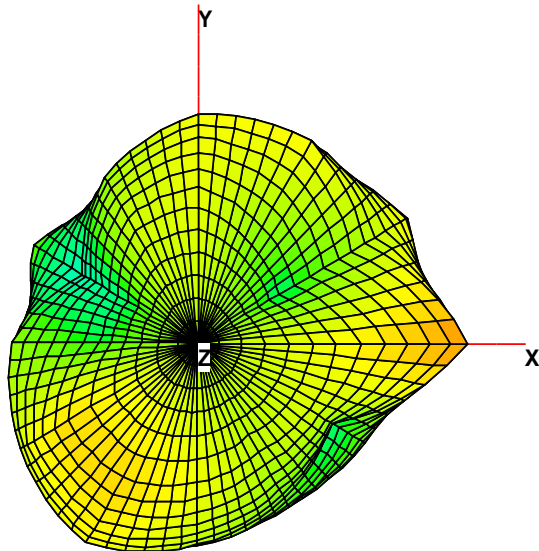
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5300

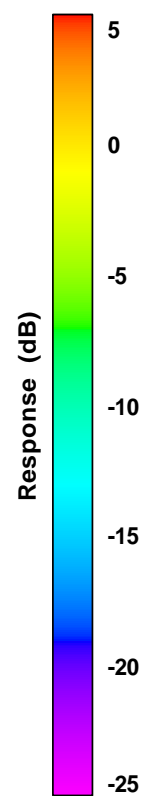
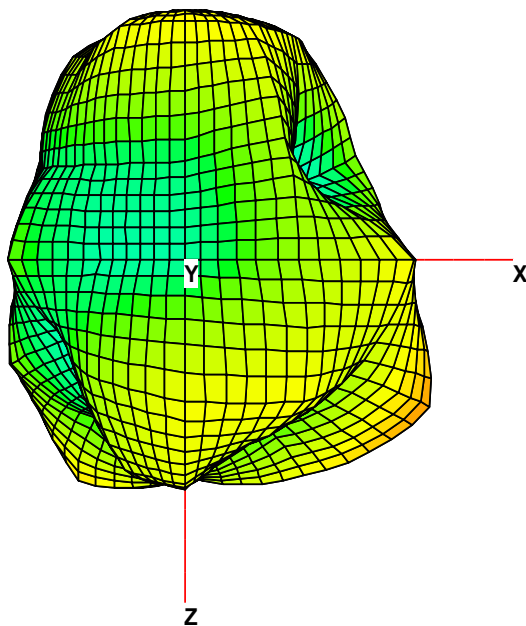
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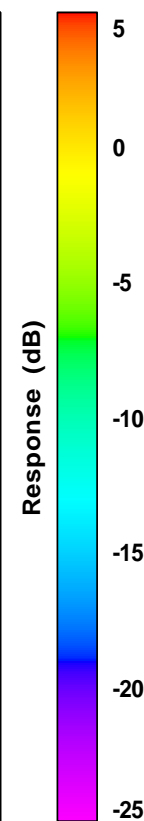
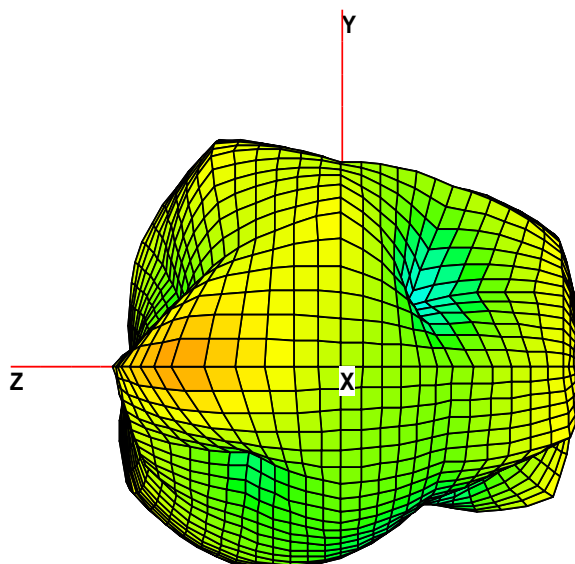
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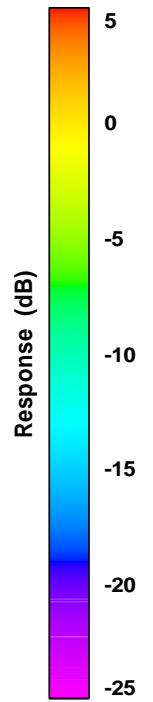
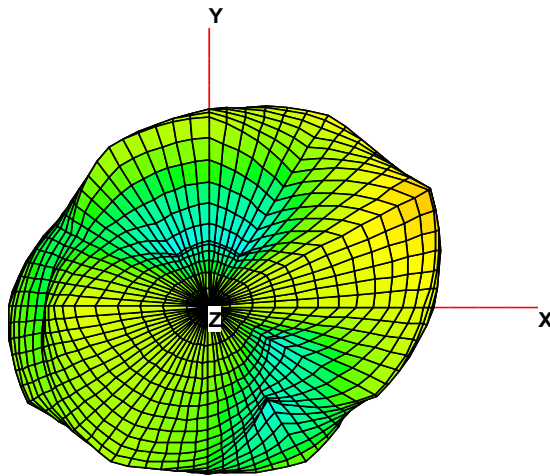
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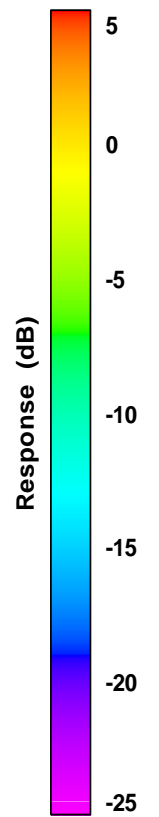
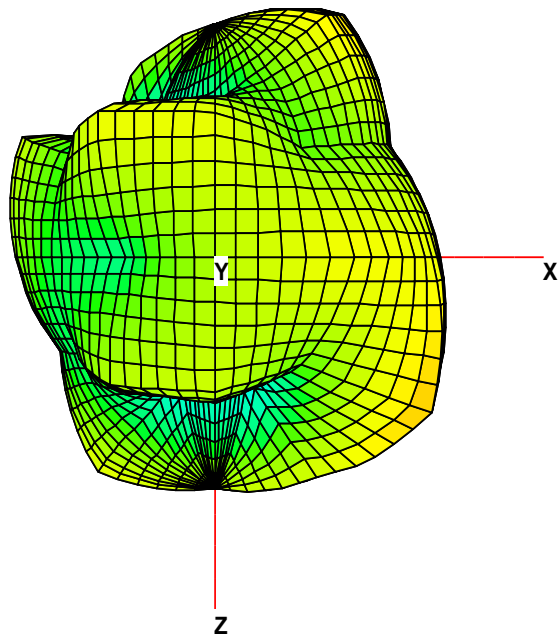
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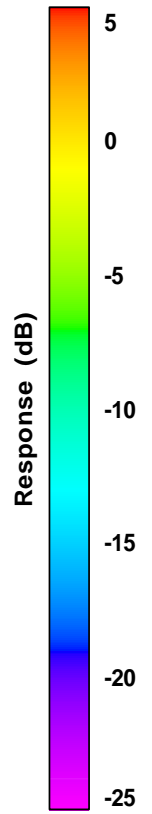
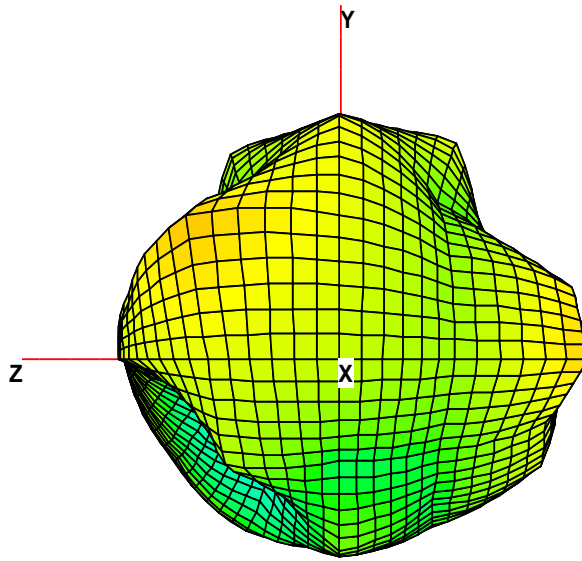
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### Total

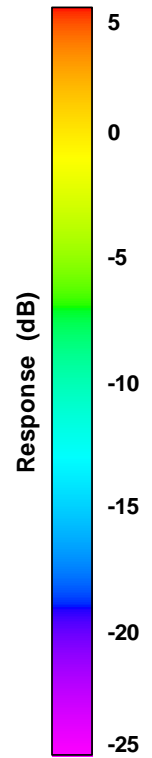
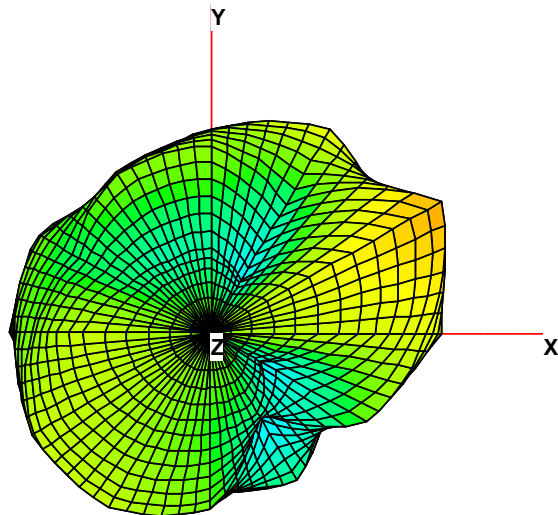
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5850

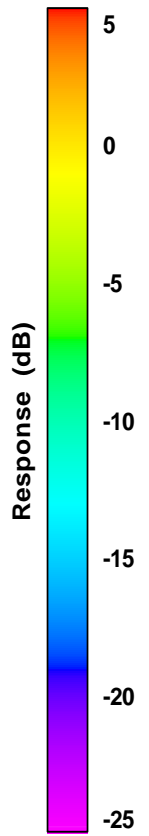
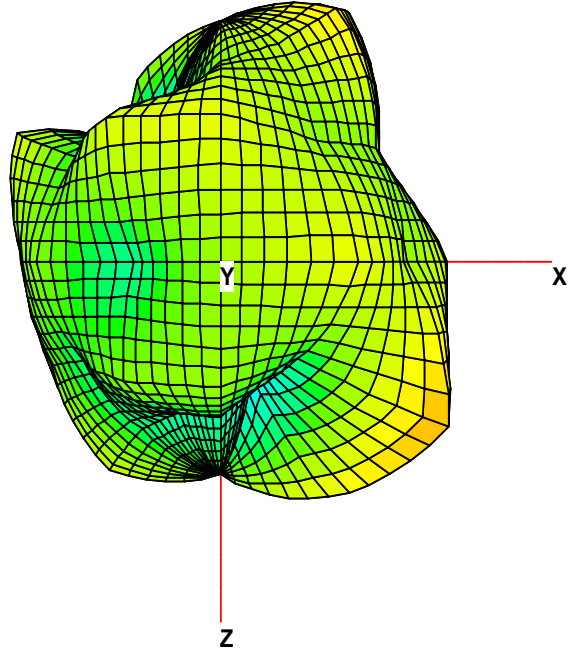
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