

客户料号

Customer P/N: /

产品名称

Part Name: 2.4G The brass antenna

皇捷料号

HJ P/N: 3N0101LG-004

规格描述

Spec Description :2.4GHz OD1.13Grey silver-tin wire P1 end welded ground pipe P2 end riveted MHF-1

PLUG,The length of the productL=155mm

编制日期

Prepared Date: 2022/09/05

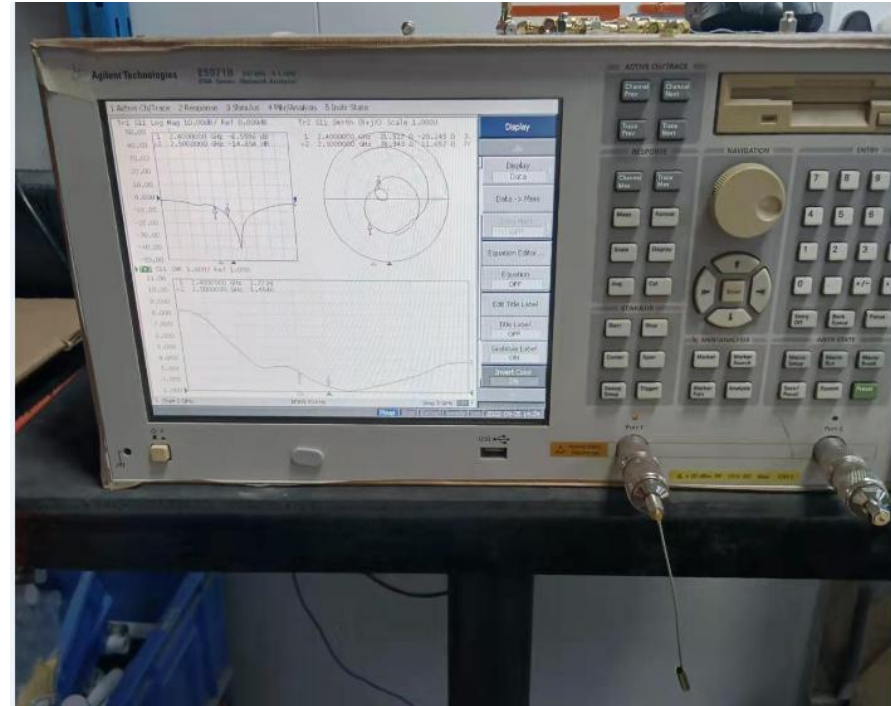
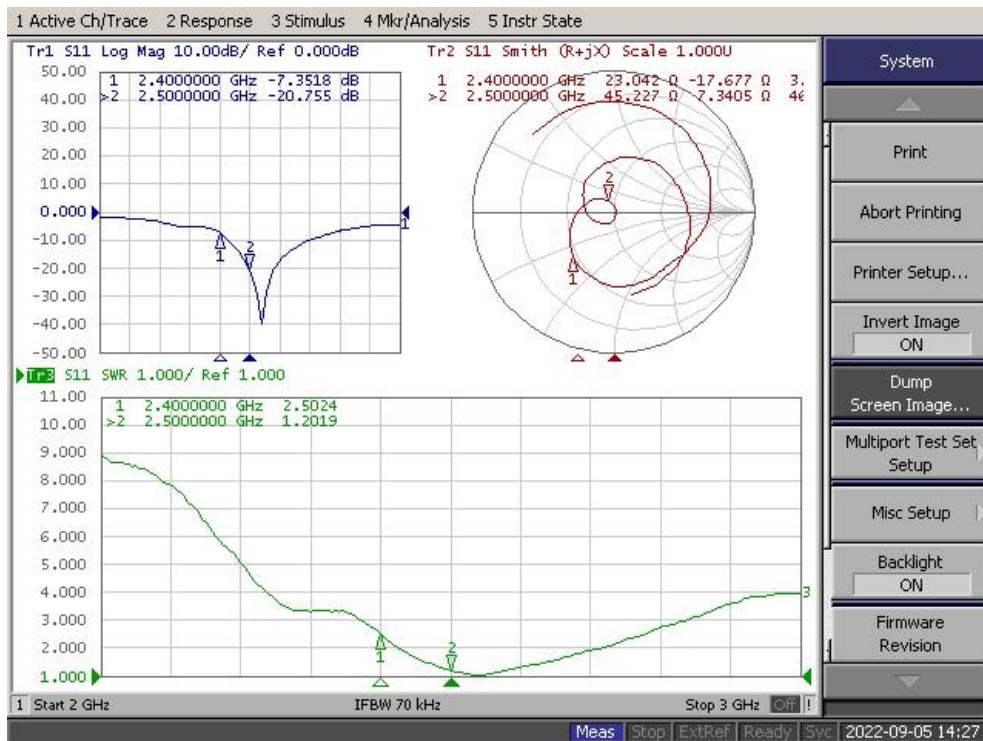
ANT Photo



wifi-2.4G ANT

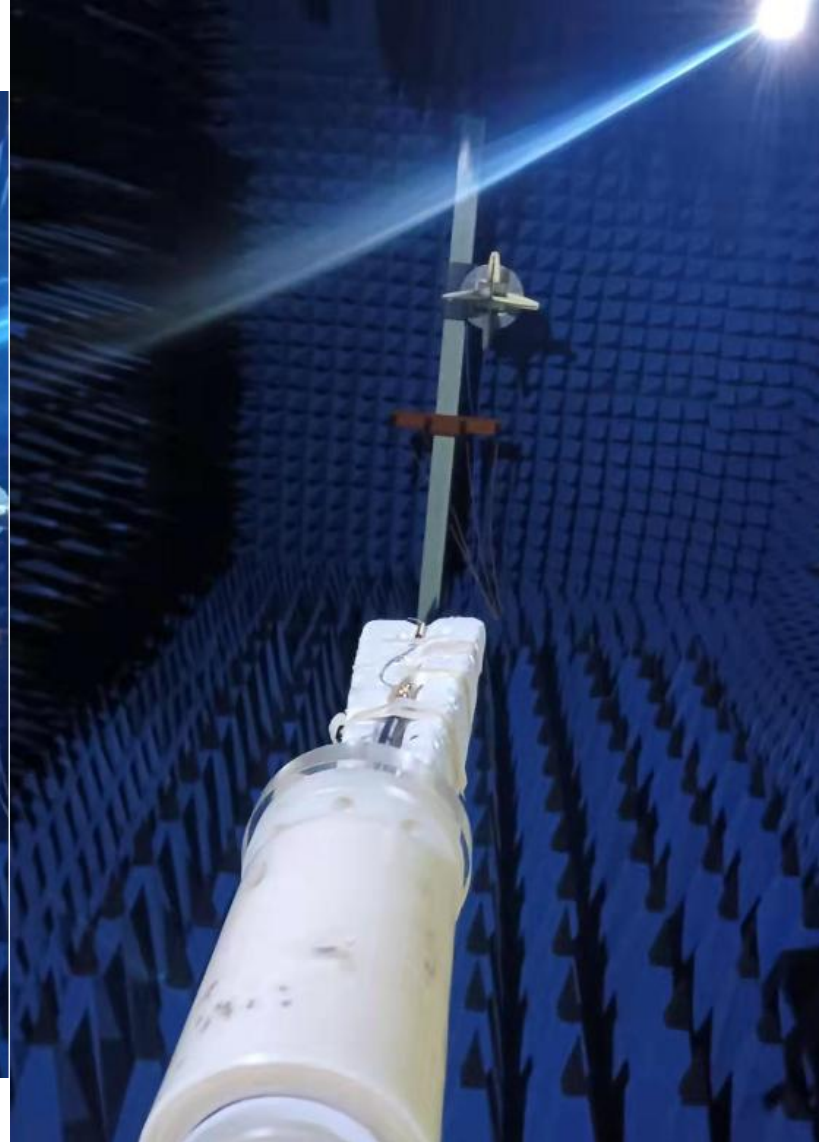
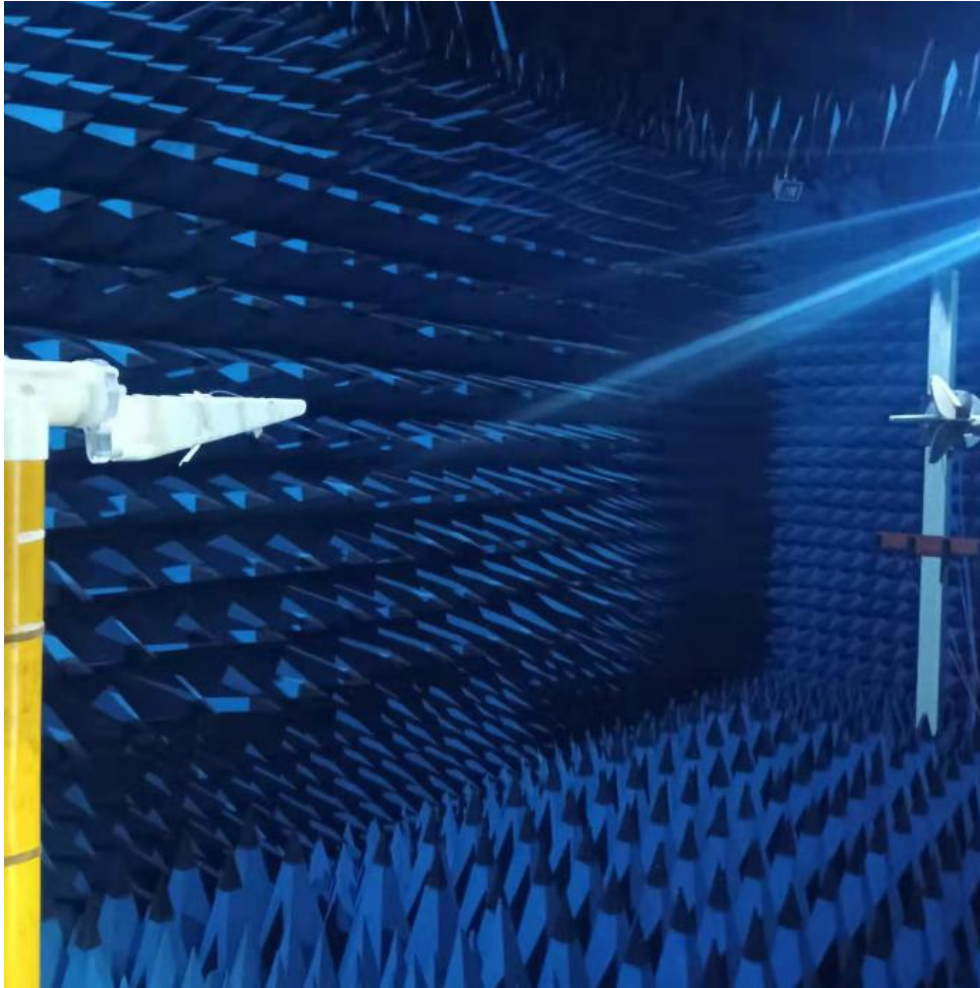
Match diagrams and test equipment

Match diagrams

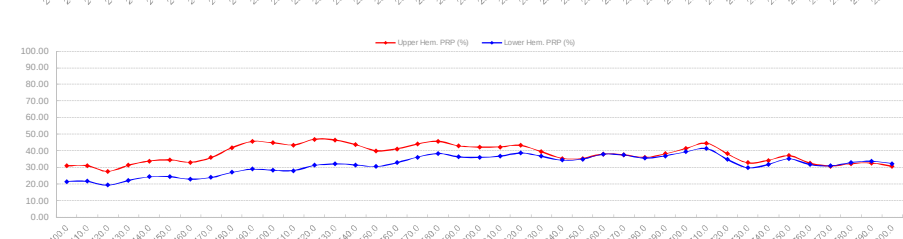
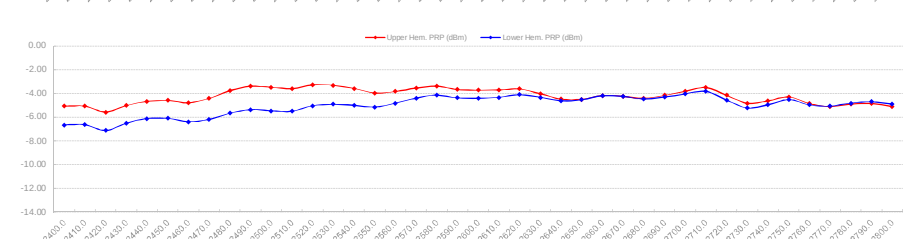
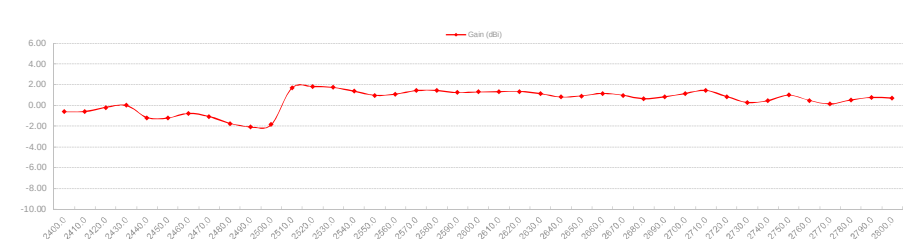
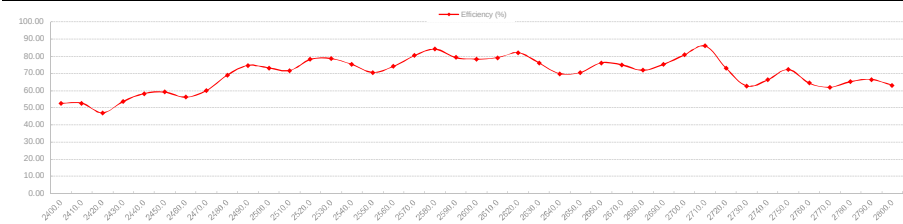


test equipment)

Test equipment (microwave anechoic chamber)



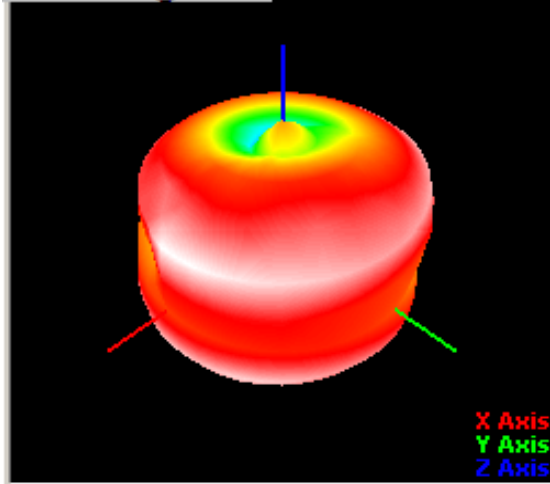
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Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	2510.0	2520.0	2530.0	2540.0	2550.0	2560.0	2570.0	2580.0	2590.0	2600.0	2610.0	2620.0	2630.0	2640.0	2650.0	2660.0	2670.0	2680.0	2690.0	2700.0	2710.0	2720.0	2730.0	2740.0	2750.0	2760.0	2770.0	2780.0	2790.0	2800.0
Point Values																																									
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tot. Rad. Pwr. (dBm)	-2.79	-2.78	-3.28	-2.70	-2.34	-2.28	-2.51	-2.22	-1.61	-1.27	-1.35	-1.44	-1.07	-1.04	-1.23	-1.51	-1.30	-0.95	-0.75	-1.01	-1.06	-1.01	-0.86	-1.18	-1.56	-1.51	-1.18	-1.25	-1.44	-1.23	-0.93	-0.66	-1.35	-2.02	-1.79	-1.41	-1.91	-2.09	-1.85	-1.77	-2.00
Peak EIRP (dBm)	0.61	0.59	0.19	0.88	1.18	1.20	0.78	1.06	1.74	2.07	1.85	1.67	1.82	1.73	1.37	0.97	1.09	1.43	1.43	1.24	1.29	1.31	1.34	1.12	0.81	0.91	1.16	0.97	0.64	0.83	1.15	1.44	0.85	0.28	0.45	0.99	0.48	0.14	0.52	0.76	0.72
Directivity (dB)	3.40	3.37	3.47	3.58	3.52	3.49	3.29	3.28	3.35	3.33	3.21	3.12	2.89	2.76	2.60	2.49	2.39	2.38	2.18	2.25	2.34	2.32	2.20	2.29	2.36	2.42	2.34	2.22	2.08	2.06	2.08	2.10	2.20	2.24	2.40	2.39	2.23	2.37	2.54	2.72	
Efficiency (dB)	-2.79	-2.78	-3.28	-2.70	-2.34	-2.28	-2.51	-2.22	-1.61	-1.27	-1.35	-1.44	-1.07	-1.04	-1.23	-1.51	-1.30	-0.95	-0.75	-1.01	-1.06	-1.01	-0.86	-1.18	-1.56	-1.51	-1.18	-1.25	-1.44	-1.23	-0.93	-0.66	-1.35	-2.02	-1.79	-1.41	-1.91	-2.09	-1.85	-1.77	-2.00
Efficiency (%)	52.60	52.70	47.00	53.70	58.30	59.10	56.10	60.00	69.00	74.70	73.20	71.70	78.20	78.70	75.30	70.60	74.10	80.40	84.20	79.30	78.40	79.20	82.10	76.20	69.90	70.60	76.20	75.00	71.80	75.30	80.80	86.00	73.20	62.70	66.20	72.30	64.40	61.90	65.30	66.50	63.10
Gain (dBi)	-0.61	-0.59	-0.19	0.00	-1.18	-1.20	-0.78	-1.06	-1.74	-2.07	-1.85	1.67	1.82	1.73	1.37	0.97	1.09	1.43	1.43	1.24	1.29	1.31	1.34	1.12	0.81	0.91	1.16	0.97	0.64	0.83	1.15	1.44	0.85	0.28	0.45	0.99	0.48	0.14	0.52	0.76	0.72
NHPRP ±PI/4 (dBm)	-3.51	-3.48	-3.96	-3.37	-2.99	-2.93	-3.16	-2.87	-2.25	-1.89	-1.96	-2.03	-1.64	-1.61	-1.80	-2.08	-1.85	-1.50	-1.29	-1.55	-1.61	-1.57	-1.43	-1.76	-2.14	-2.11	-1.80	-1.89	-2.08	-1.87	-1.55	-1.27	-1.95	-2.62	-2.38	-2.01	-2.52	-2.70	-2.47	-2.38	-2.62
NHPRP ±PI/8 (dBm)	-4.91	-4.86	-5.34	-4.75	-4.38	-4.31	-4.53	-4.25	-3.64	-3.25	-3.28	-3.29	-2.86	-2.81	-2.98	-3.24	-3.00	-2.63	-2.41	-2.67	-2.73	-2.71	-2.58	-2.92	-3.32	-3.32	-3.03	-3.14	-3.34	-3.11	-2.77	-2.45	-3.12	-3.77	-3.53	-3.15	-3.64	-3.82	-3.58	-3.49	-3.72
NHPRP ±PRP (dBm)	-5.24	-5.69	-6.12	-5.76	-5.69	-5.90	-5.61	-5.49	-4.54	-4.49	-4.44	-3.95	-3.86	-3.86	-4.00	-4.25	-3.99	-3.60	-3.36	-3.61	-3.67	-3.66	-3.54	-3.90	-4.32	-4.34	-4.08	-4.21	-4.41	-4.18	-3.84	-4.11	-4.76	-4.90	-4.09	-4.56	-4.73	-4.49	-4.38	-4.61	
Upper Hem. PRP (dBm)	-5.08	-5.08	-5.58	-5.03	-4.69	-4.61	-4.80	-4.44	-3.78	-3.40	-3.48	-3.61	-3.28	-3.32	-3.59	-3.97	-3.84	-3.56	-3.39	-3.68	-3.74	-3.72	-3.63	-4.04	-4.50	-4.50	-4.18	-4.25	-4.43	-4.17	-3.83	-3.51	-4.17	-4.84	-4.64	-4.31	-4.87	-5.10	-4.90	-4.85	-5.12
Lower Hem. PRP (dBm)	-6.66	-6.64	-7.14	-6.52	-6.13	-6.11	-6.39	-6.20	-5.68	-5.37	-5.47	-5.51	-5.05	-4.93	-5.01	-5.16	-4.83	-4.41	-4.16	-4.39	-4.42	-4.34	-4.12	-4.34	-4.64	-4.54	-4.20	-4.26	-4.47	-4.31	-4.05	-3.84	-4.57	-5.24	-4.96	-4.53	-4.97	-5.09	-4.82	-4.71	-4.90
Upper Hem. PRP (%)	31.04	31.04	27.67	31.40	33.97	34.62	33.14	35.98	41.89	45.71	44.87	43.59	46.94	46.58	43.76	40.05	41.27	44.10	45.78	42.85	42.27	42.43	43.33	39.45	35.49	35.46	38.19	37.54	36.09	38.29	41.42	44.61	38.32	32.82	34.34	37.07	32.61	30.87	32.34	32.72	30.77
Lower Hem. PRP (%)	21.60	21.65	19.34	22.29	24.38	24.49	22.94	23.98	27.07	29.01	28.35	28.11	31.28	32.14	31.57	30.51	32.87	36.26	38.37	36.40	36.11	36.78	38.73	36.80	34.39	35.12	37.98	37.46	35.69	37.03	39.36	41.95	34.89	29.91	31.88	35.21	31.81	30.99	32.53	33.76	32.35



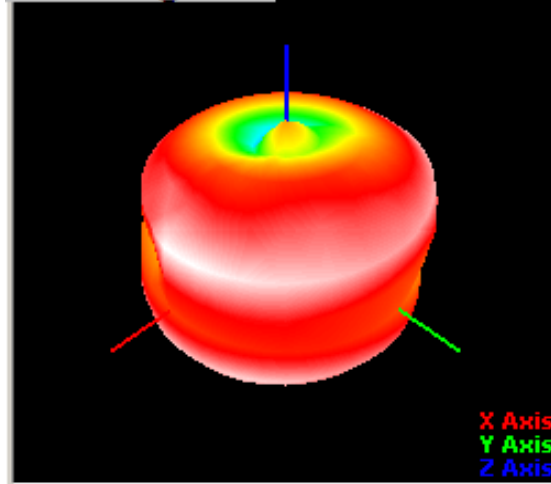


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2400.00MHz@T45P45

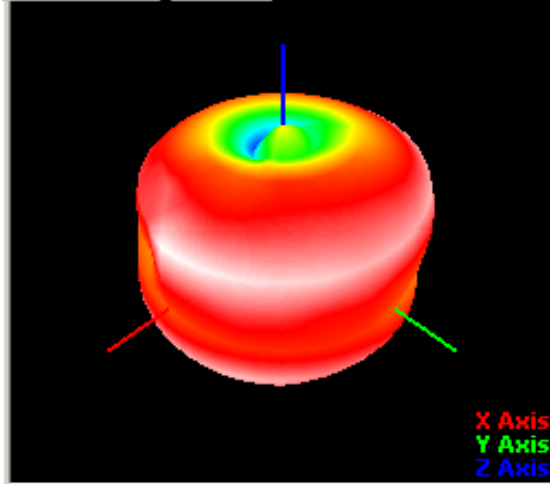


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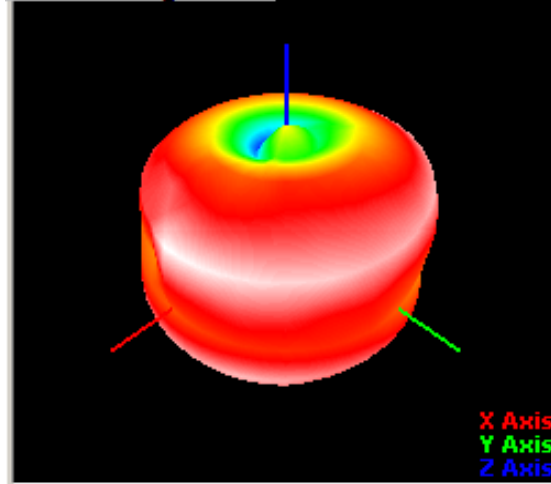


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2410.00MHz@T45P45



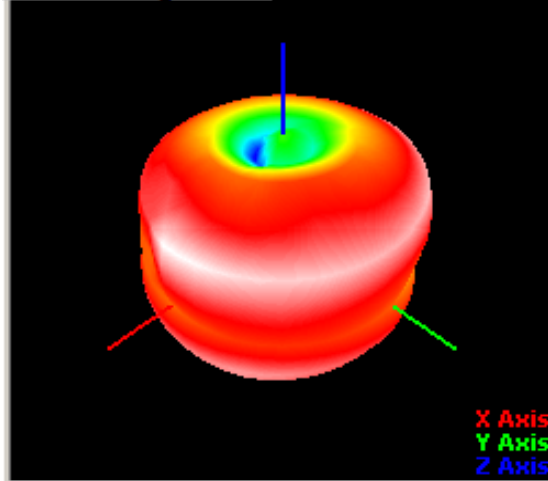
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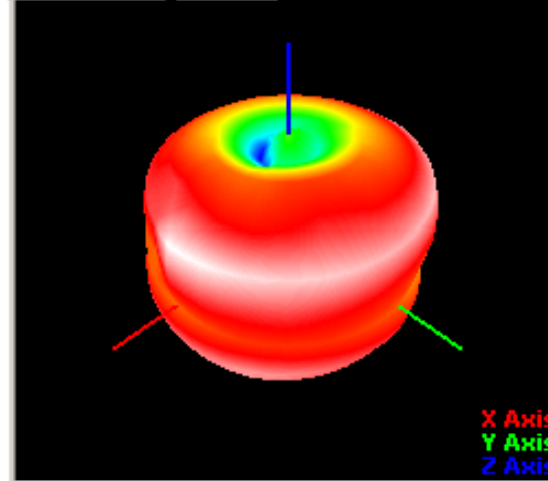


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2420.00MHz@T45P45

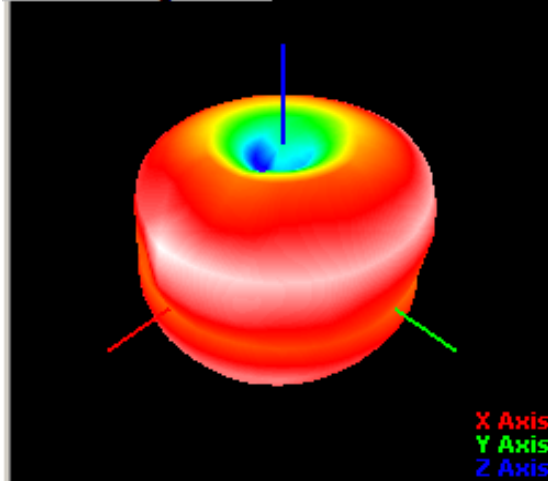


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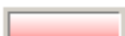
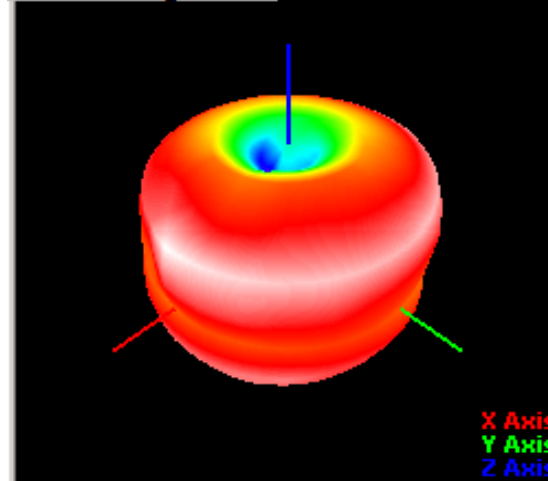


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-9.18
-10.18
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2430.00MHz@T45P45



2430.00MHz@T45P45



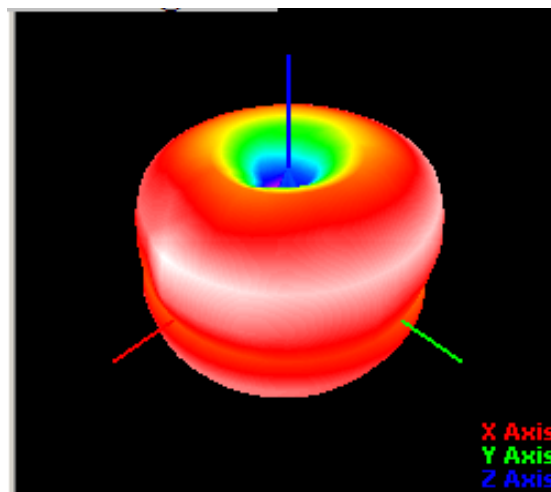
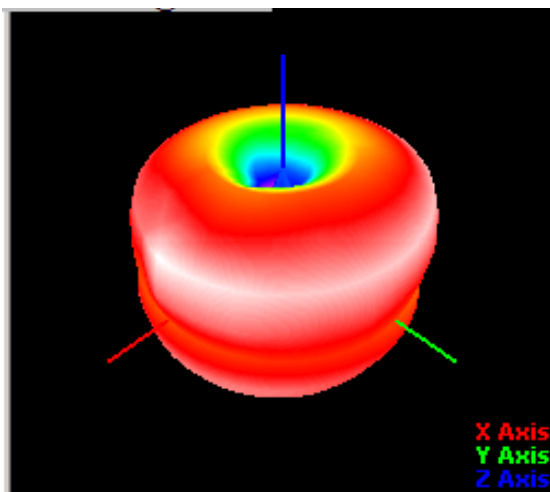
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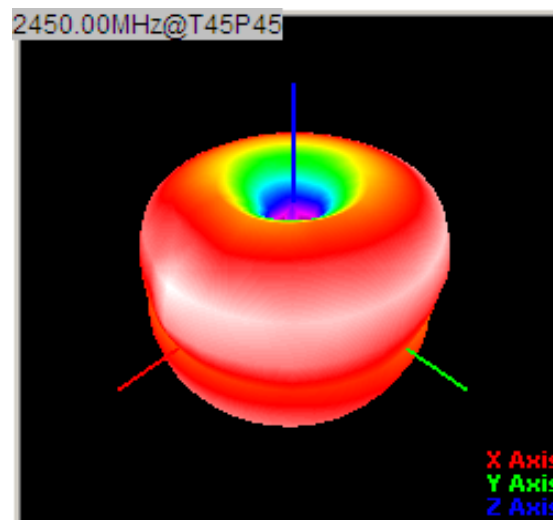
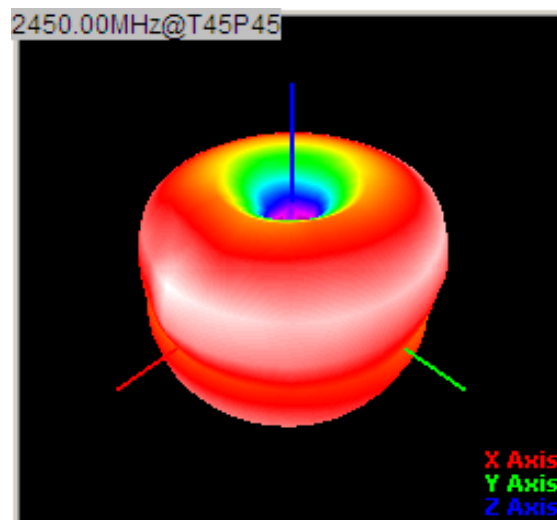
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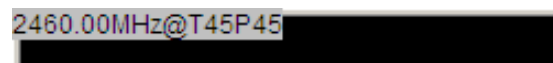
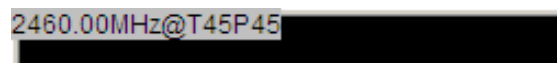
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-14.33
-15.44
-16.55
-17.66



1.2
0.11
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-2.08
-3.17
-4.26
-5.35
-6.45
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-11.9
-13
-14.09
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-16.27
-17.36

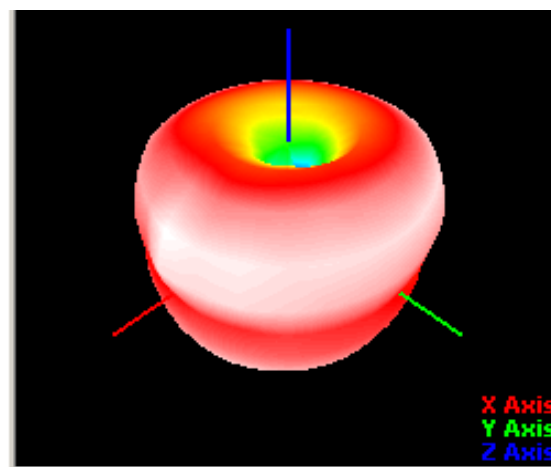
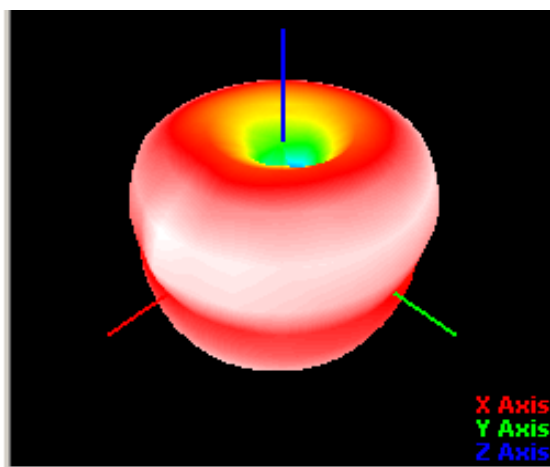


0.78
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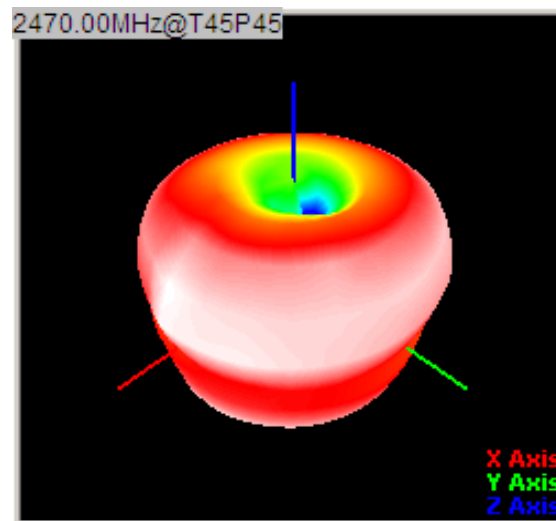
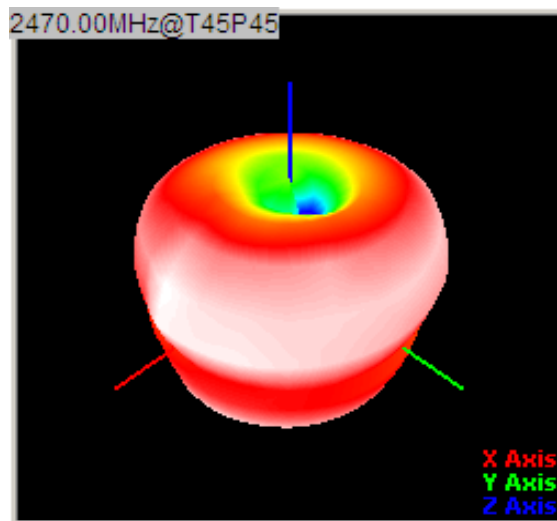




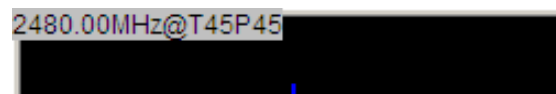
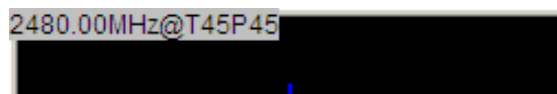
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-19.77
-21.35
-22.93
-24.51
-26.09



1.06
-0.22
-1.5
-2.78
-4.06
-5.34
-6.62
-7.9
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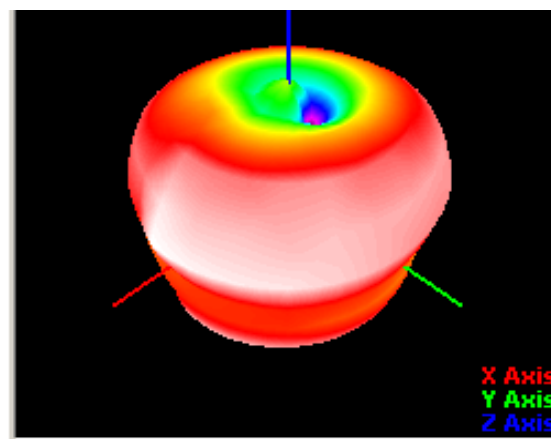
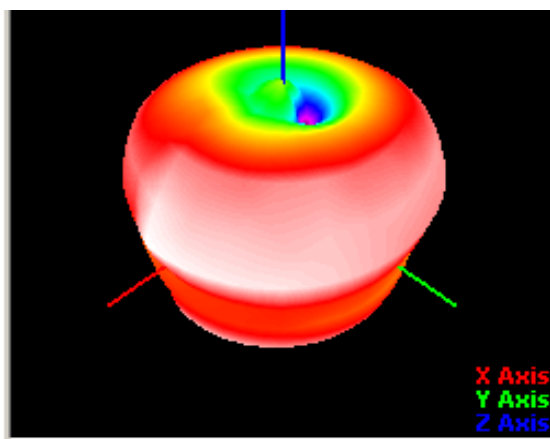


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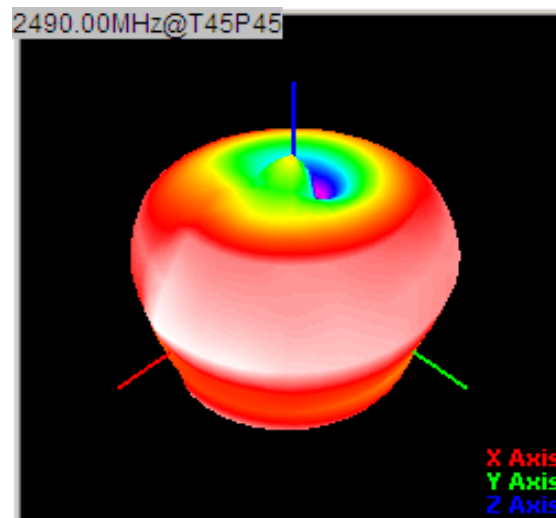
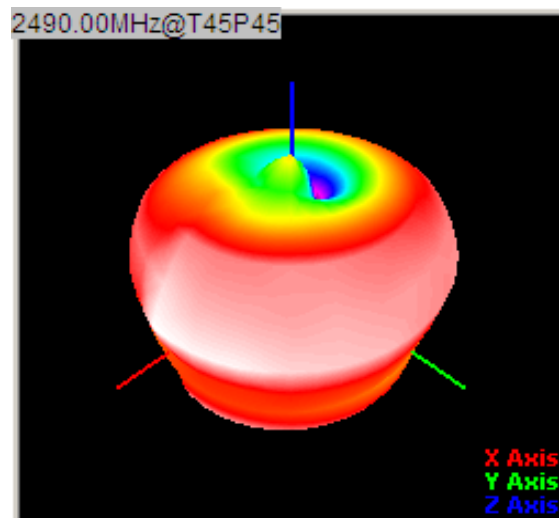




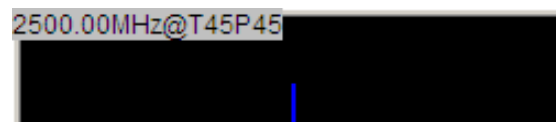
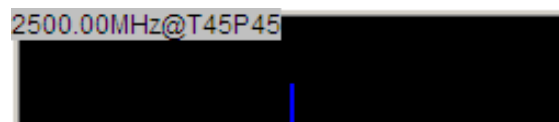
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-15.62



2.07
1.13
0.18
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-1.7
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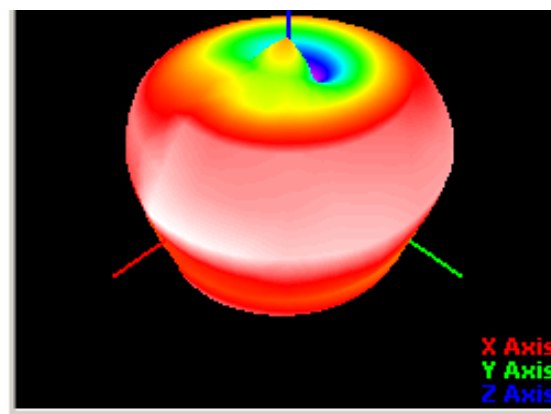
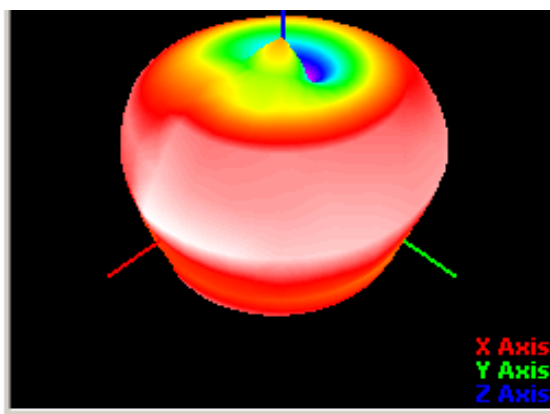


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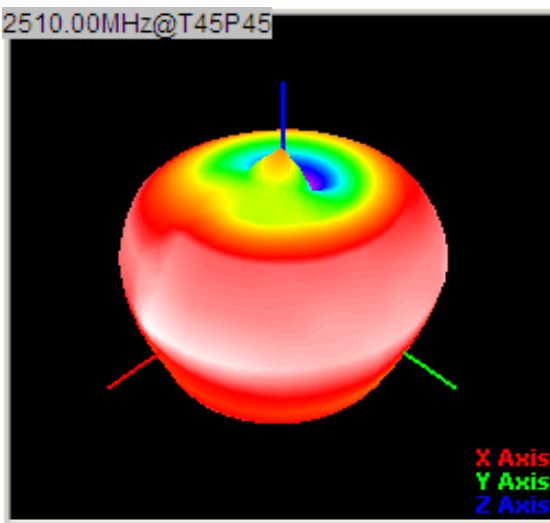


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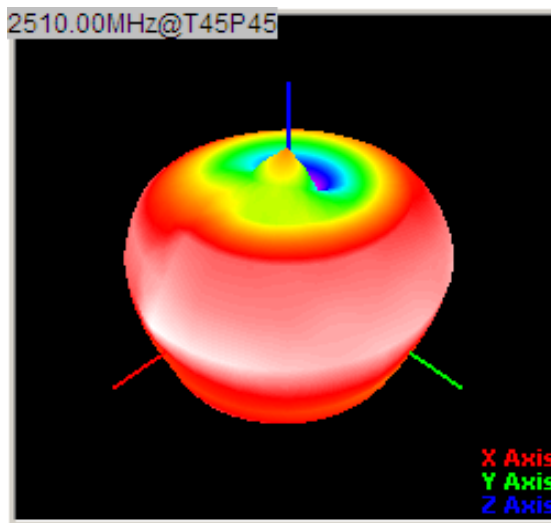


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2510.00MHz@T45P45

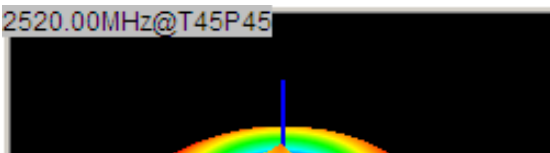


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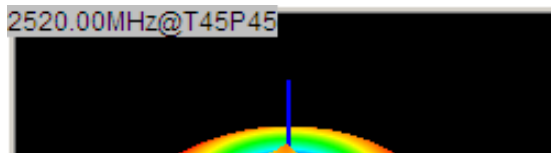


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2520.00MHz@T45P45

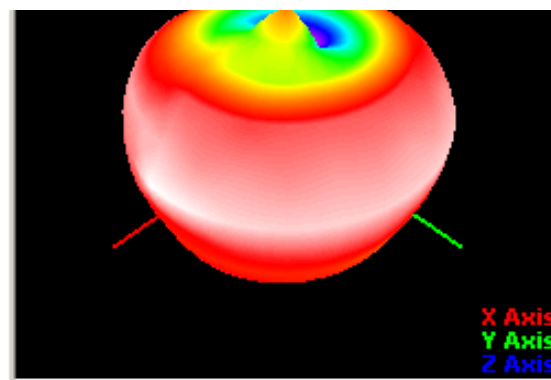
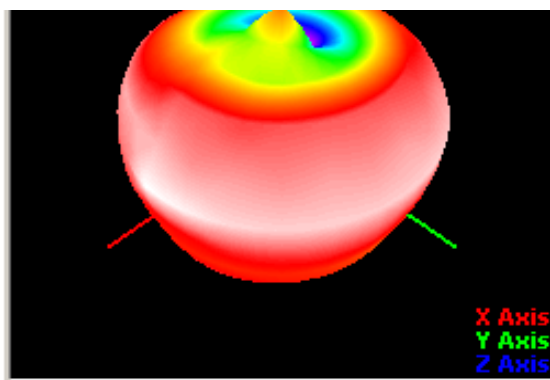


2520.00MHz@T45P45

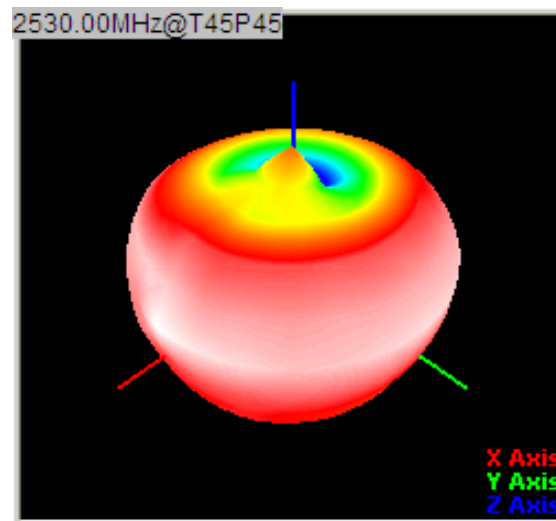
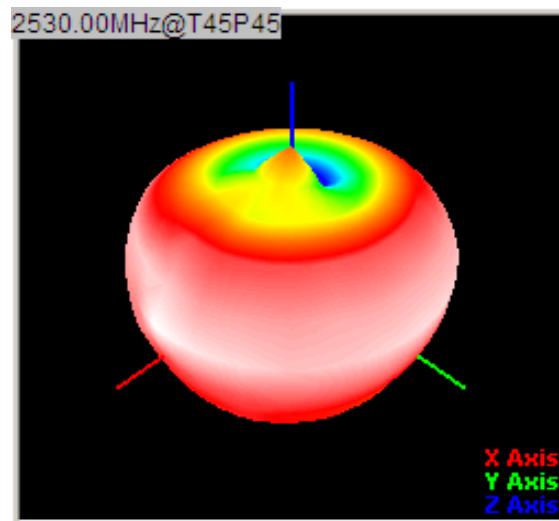




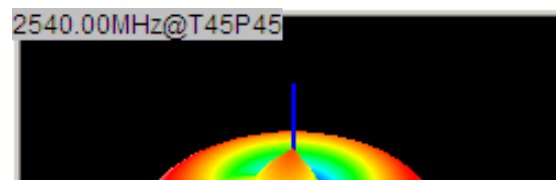
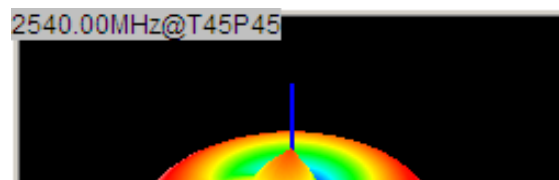
-2.52
-3.39
-4.25
-5.12
-5.99
-6.86
-7.73
-8.6
-9.47
-10.33
-11.2
-12.07
-12.94



1.73
0.79
-0.14
-1.07
-2
-2.93
-3.87
-4.8
-5.73
-6.66
-7.59
-8.53
-9.46
-10.39
-11.32
-12.25
-13.19
-14.12

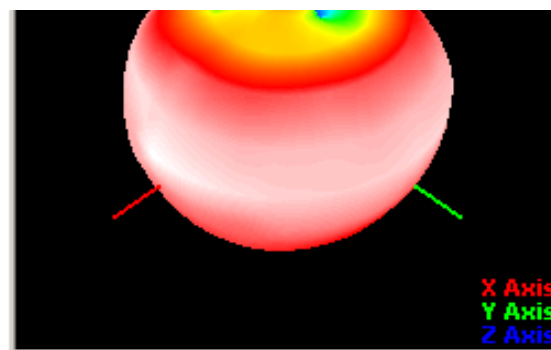
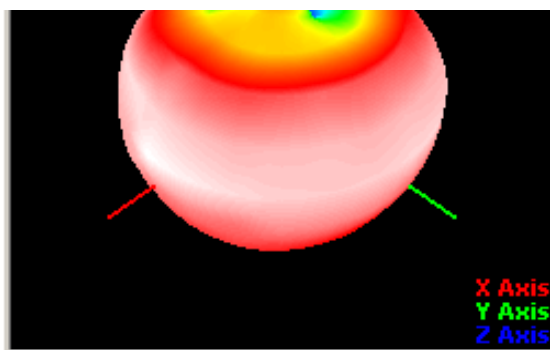


1.37
0.36
-0.65
-1.67
-2.68
-3.7



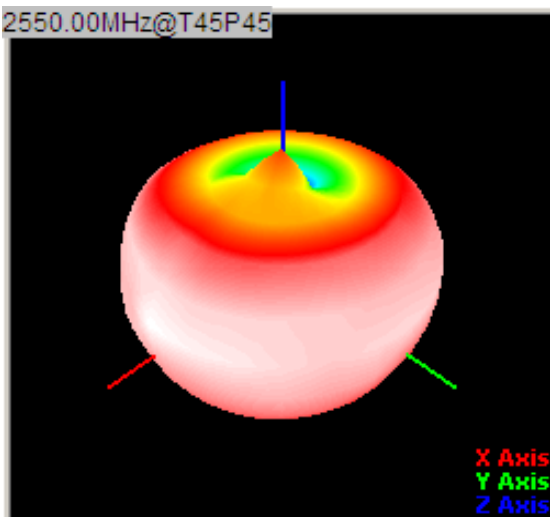


-4.71
-5.73
-6.74
-7.75
-8.77
-9.78
-10.8
-11.81
-12.83
-13.84
-14.85
-15.87

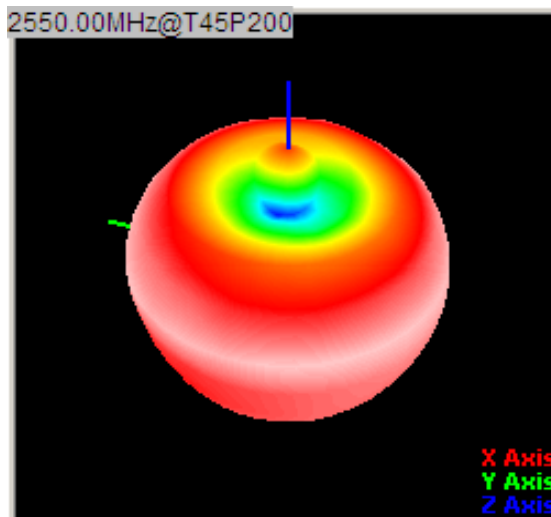


0.97
-0.12
-1.21
-2.3
-3.38
-4.47
-5.56
-6.65
-7.74
-8.83
-9.92
-11.01
-12.09
-13.18
-14.27
-15.36
-16.45
-17.54

2550.00MHz@T45P45

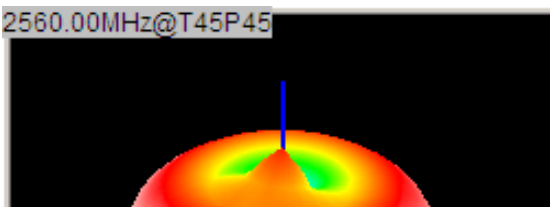


2550.00MHz@T45P200

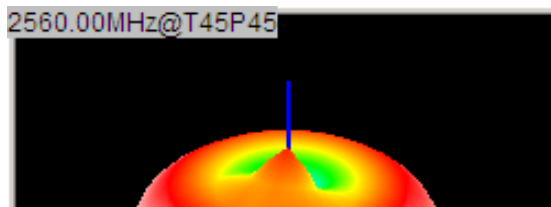


1.09
-0.15
-1.39
-2.63
-3.87
-5.11
-6.35

2560.00MHz@T45P45

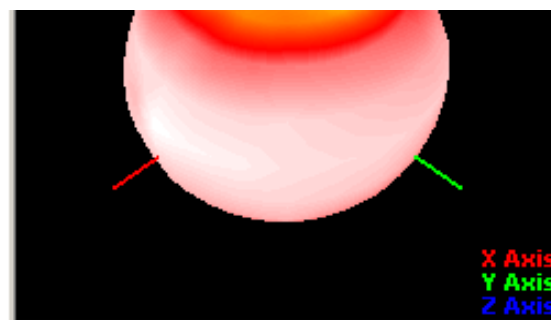
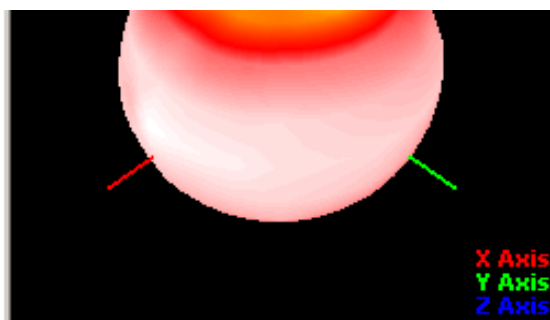


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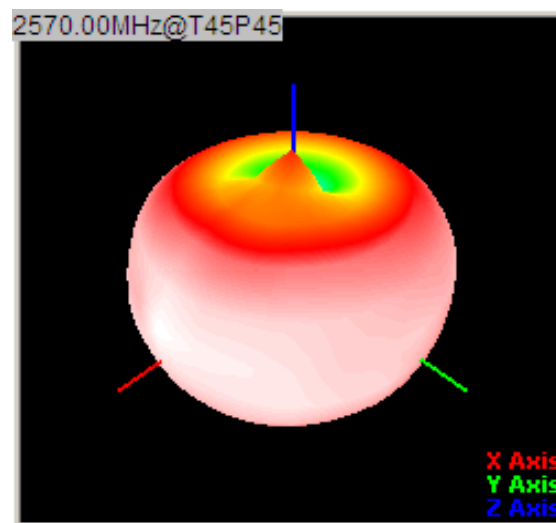
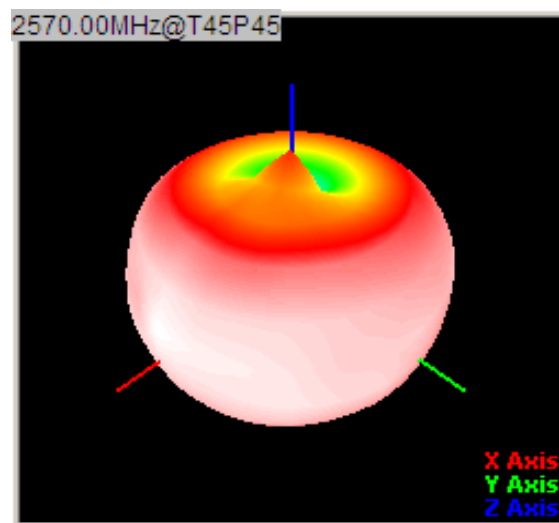




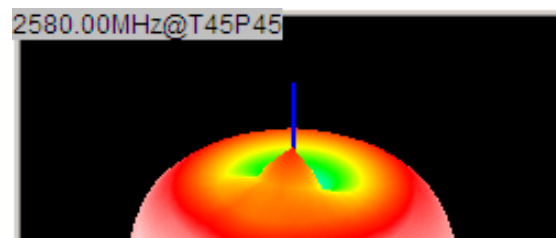
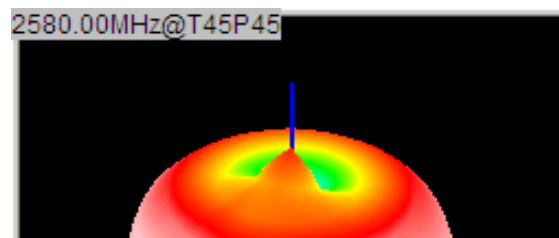
-7.59
-8.83
-10.07
-11.31
-12.55
-13.79
-15.03
-16.28
-17.52
-18.76
-20



1.43
0.15
-1.13
-2.41
-3.69
-4.97
-6.25
-7.53
-8.81
-10.09
-11.37
-12.65
-13.93
-15.21
-16.49
-17.77
-19.05
-20.33

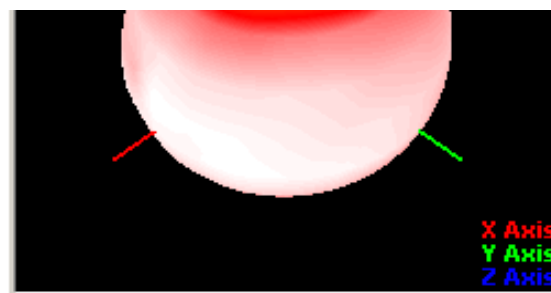
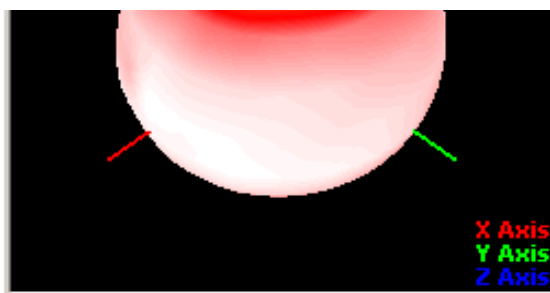


1.43
0.18
-1.06
-2.31
-3.55
-4.79
-6.04
-7.28

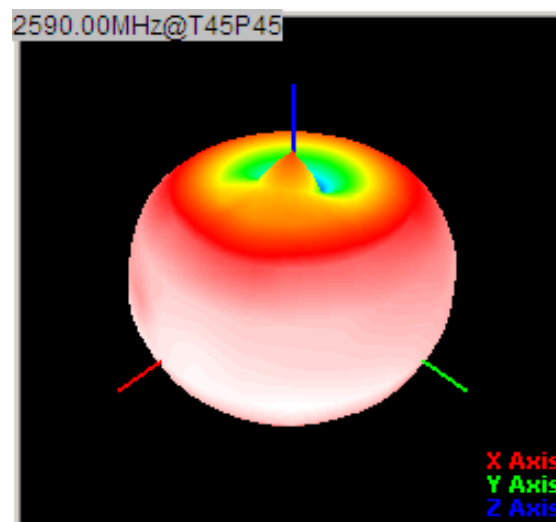
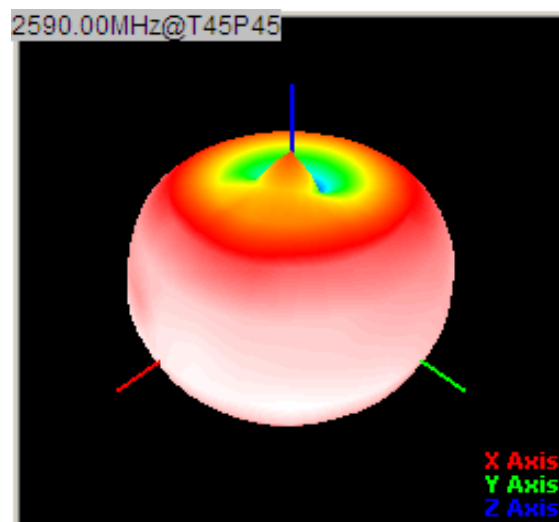




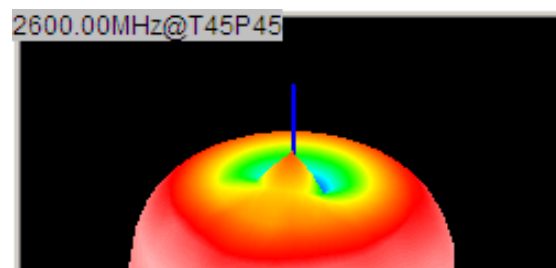
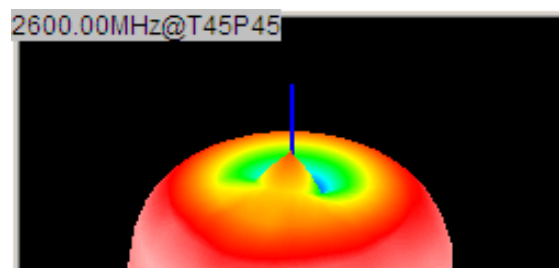
-8.53
-9.77
-11.02
-12.26
-13.51
-14.75
-16
-17.24
-18.49
-19.73



1.24
0.13
-0.97
-2.07
-3.18
-4.28
-5.38
-6.48
-7.59
-8.69
-9.79
-10.9
-12
-13.1
-14.21
-15.31
-16.41
-17.51



1.29
0.21
-0.86
-1.93
-3
-4.07
-5.15
-6.22
-7.29

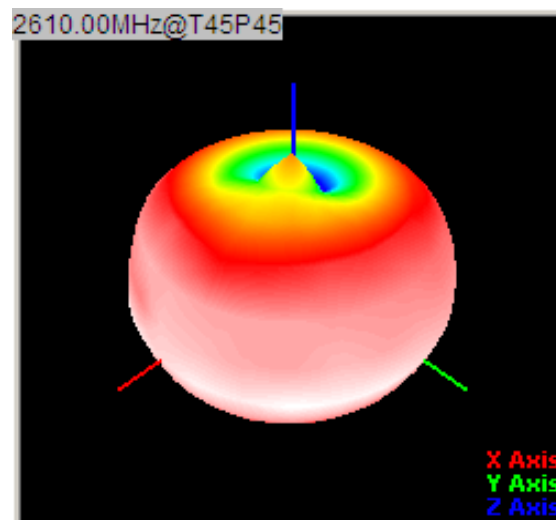
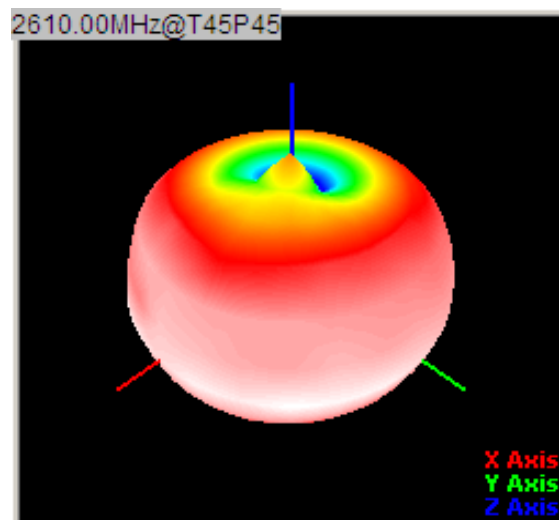




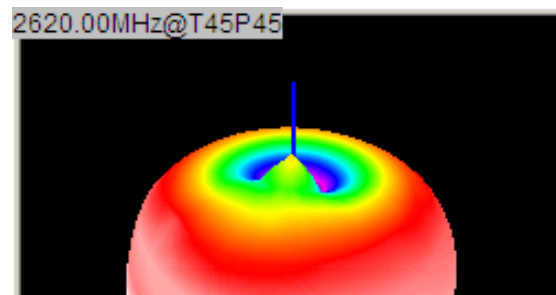
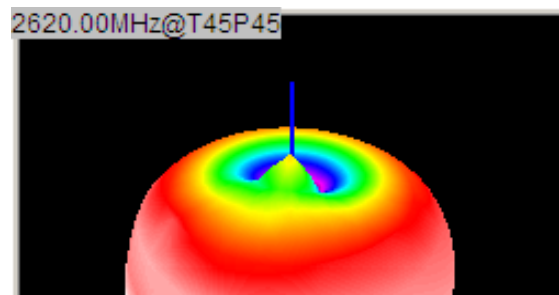
-8.36
-9.43
-10.5
-11.58
-12.65
-13.72
-14.79
-15.86
-16.94



1.31
0.35
-0.62
-1.59
-2.55
-3.52
-4.48
-5.45
-6.42
-7.38
-8.35
-9.31
-10.28
-11.25
-12.21
-13.18
-14.14
-15.11



1.34
0.51
-0.32
-1.15
-1.98
-2.81
-3.64
-4.46
-5.29
-6.12

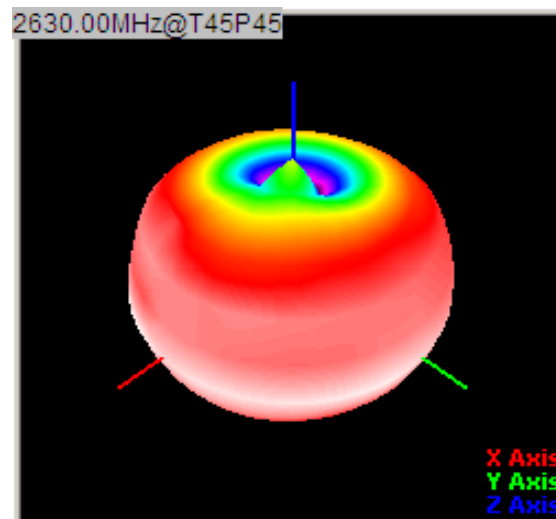
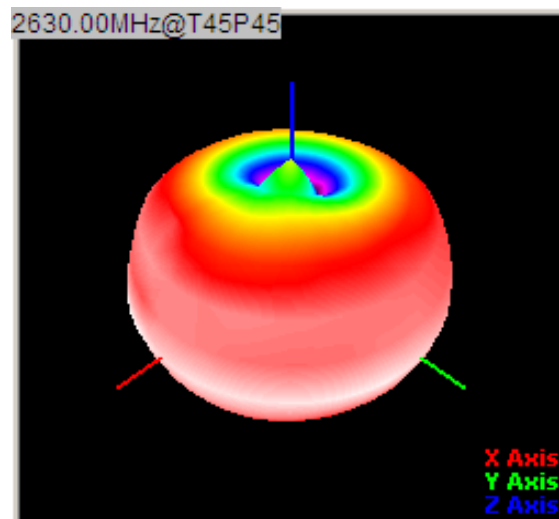




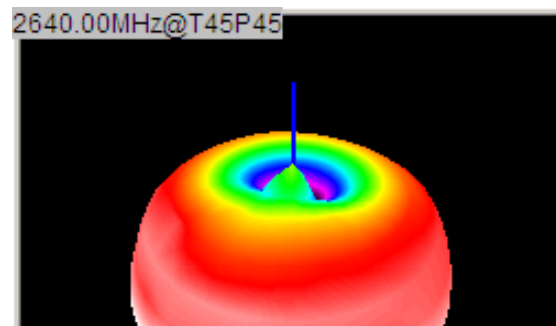
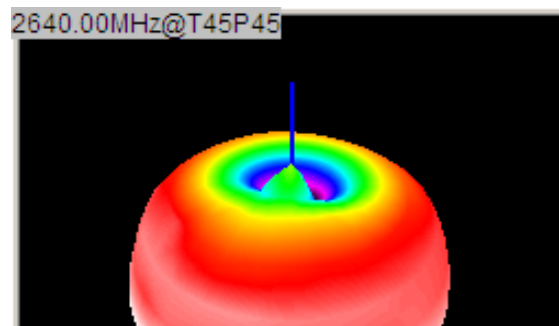
-6.95
-7.78
-8.61
-9.44
-10.27
-11.1
-11.92
-12.75



1.12
0.3
-0.52
-1.34
-2.16
-2.97
-3.79
-4.61
-5.43
-6.25
-7.06
-7.88
-8.7
-9.52
-10.34
-11.15
-11.97
-12.79



0.81
-0.05
-0.9
-1.76
-2.61
-3.46
-4.32
-5.17
-6.03
-6.88
-7.74

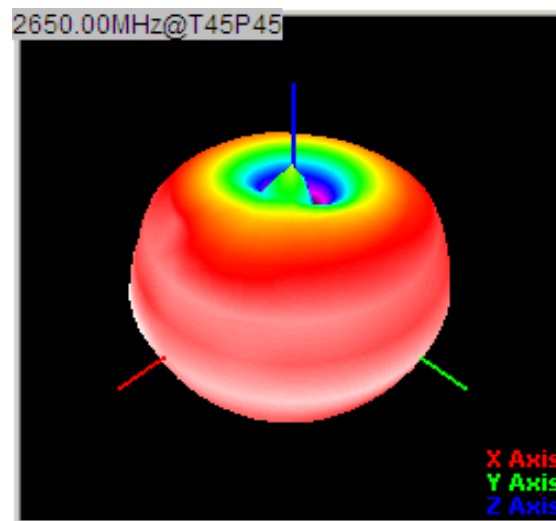
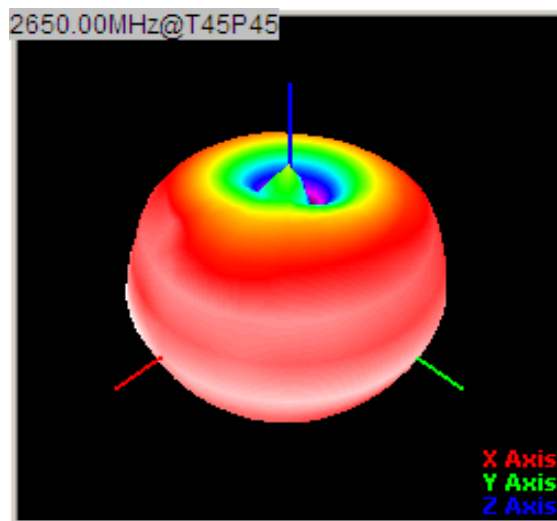




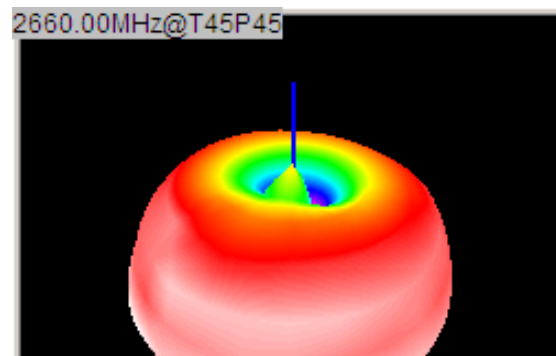
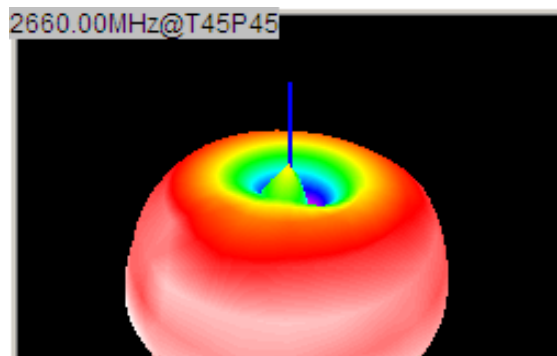
-8.59
-9.44
-10.3
-11.15
-12.01
-12.86
-13.72



0.91
-0.03
-0.97
-1.91
-2.85
-3.78
-4.72
-5.66
-6.6
-7.54
-8.47
-9.41
-10.35
-11.29
-12.23
-13.16
-14.1
-15.04



1.16
0.06
-1.04
-2.15
-3.25
-4.35
-5.45
-6.56
-7.66
-8.76
-9.86
-10.97

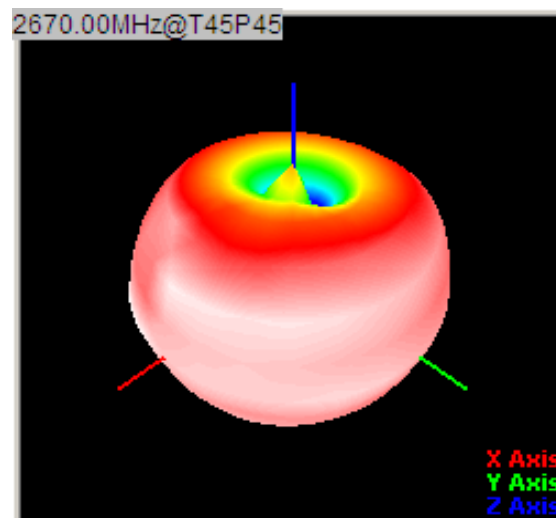
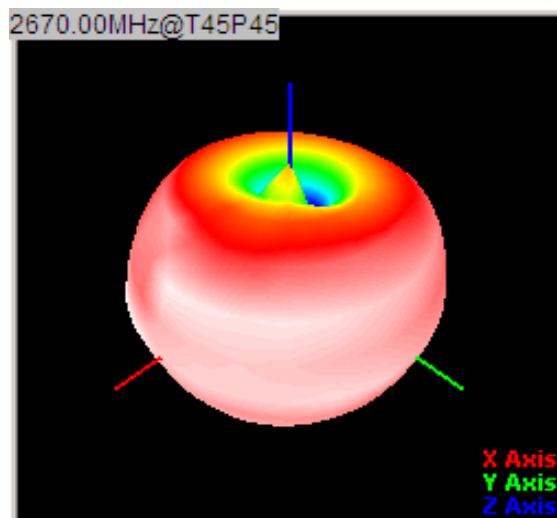




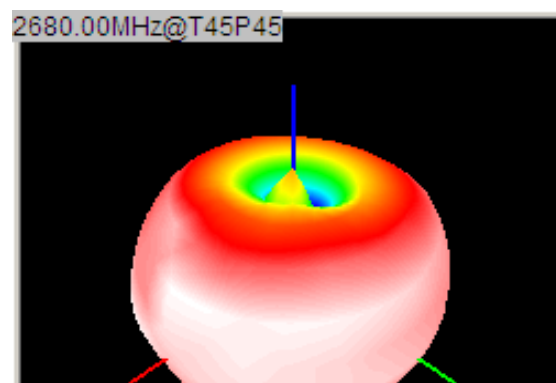
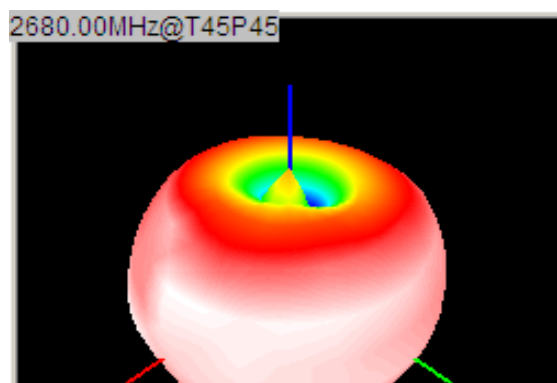
-12.07
-13.17
-14.27
-15.38
-16.48
-17.58



0.97
-0.28
-1.52
-2.76
-4
-5.25
-6.49
-7.73
-8.97
-10.22
-11.46
-12.7
-13.94
-15.18
-16.43
-17.67
-18.91
-20.15



0.64
-0.61
-1.85
-3.1
-4.34
-5.59
-6.83
-8.08
-9.33
-10.57
-11.82
-13.06
-14.31



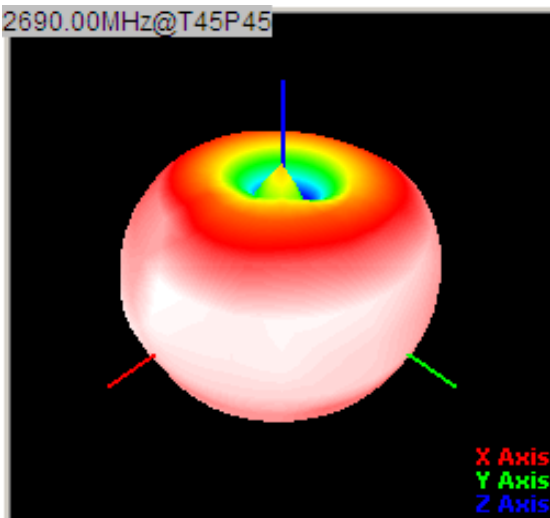


-15.55
-16.8
-18.04
-19.29
-20.53

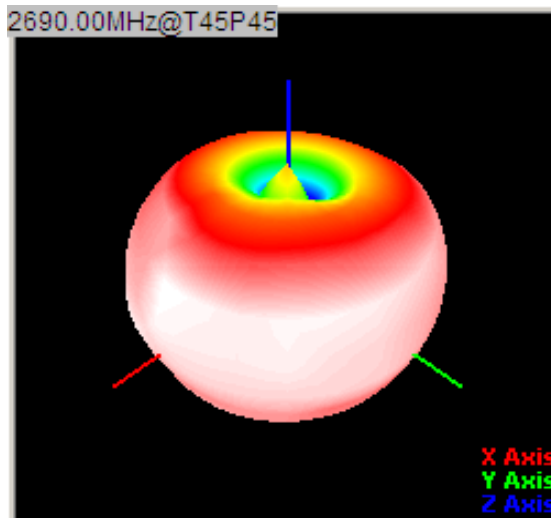


0.83
-0.38
-1.6
-2.81
-4.03
-5.25
-6.46
-7.68
-8.89
-10.11
-11.32
-12.54
-13.76
-14.97
-16.19
-17.4
-18.62
-19.84

2690.00MHz@T45P45

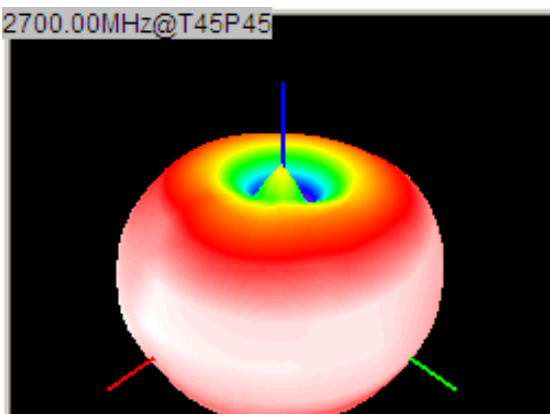


2690.00MHz@T45P45

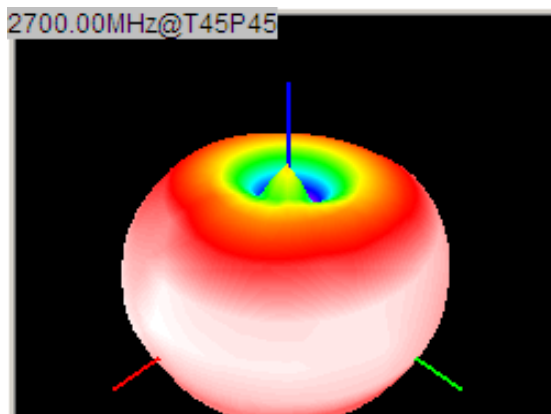


1.15
0.02
-1.11
-2.24
-3.37
-4.5
-5.63
-6.76
-7.89
-9.02
-10.15
-11.28
-12.41
-13.54

2700.00MHz@T45P45



2700.00MHz@T45P45



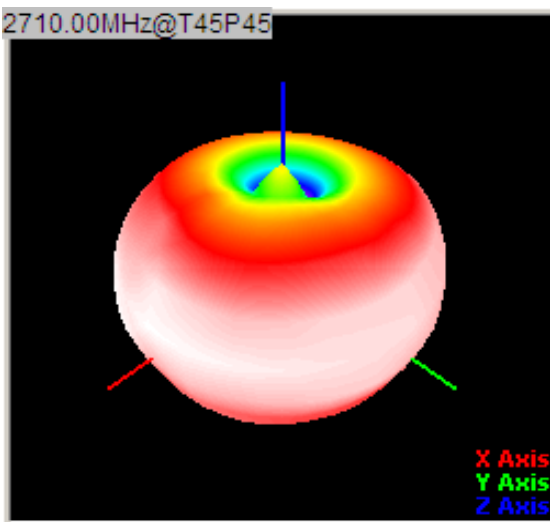


-14.67
-15.8
-16.93
-18.06

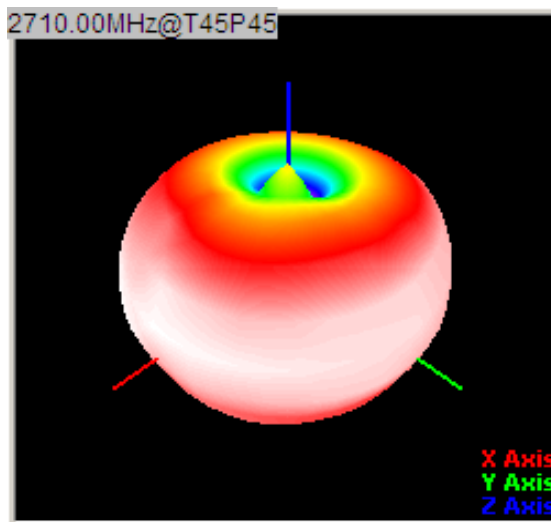


1.44
0.33
-0.78
-1.88
-2.99
-4.1
-5.21
-6.32
-7.42
-8.53
-9.64
-10.75
-11.86
-12.96
-14.07
-15.18
-16.29
-17.4

2710.00MHz@T45P45

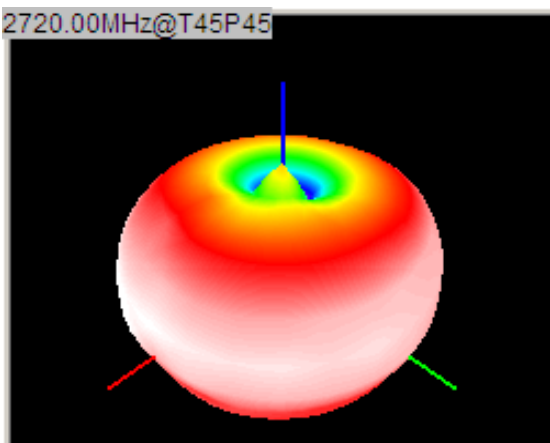


2710.00MHz@T45P45

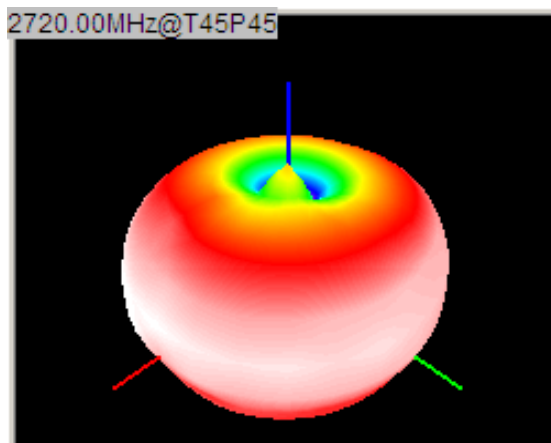


0.85
-0.25
-1.35
-2.45
-3.55
-4.65
-5.75
-6.85
-7.95
-9.05
-10.14
-11.24
-12.34
-13.44
-14.54

2720.00MHz@T45P45



2720.00MHz@T45P45



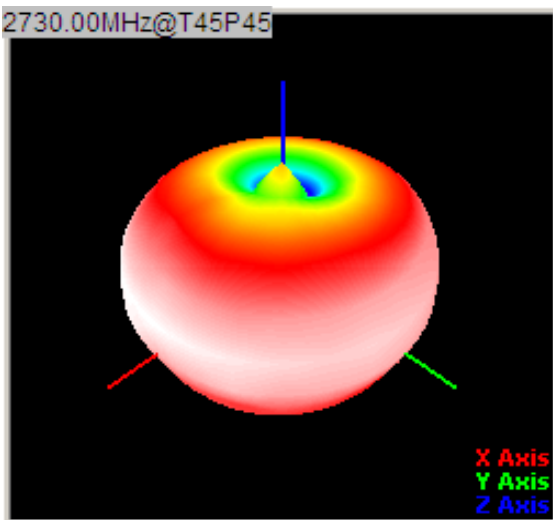


-15.64
-16.74
-17.84

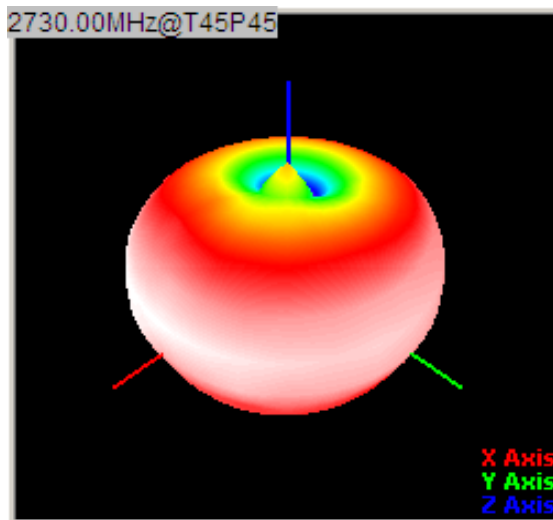


0.28
-0.78
-1.83
-2.88
-3.94
-4.99
-6.04
-7.1
-8.15
-9.21
-10.26
-11.31
-12.37
-13.42
-14.47
-15.53
-16.58
-17.63

2730.00MHz@T45P45

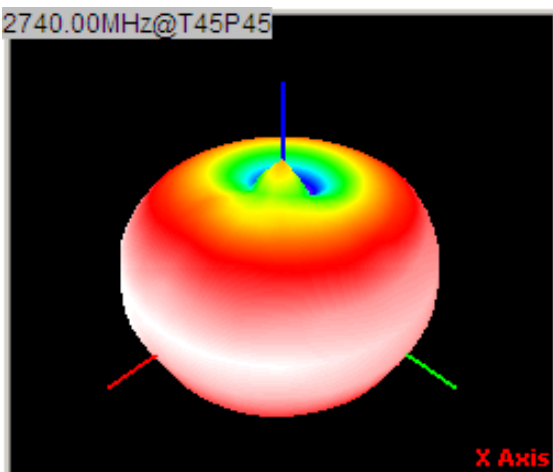


2730.00MHz@T45P45

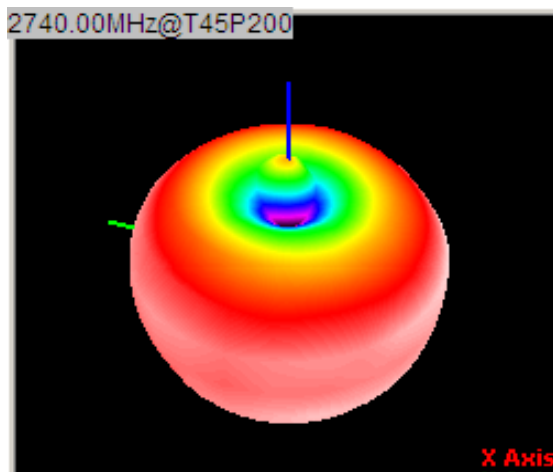


0.45
-0.53
-1.5
-2.48
-3.46
-4.44
-5.41
-6.39
-7.37
-8.35
-9.32
-10.3
-11.28
-12.26
-13.23
-14.21

2740.00MHz@T45P45



2740.00MHz@T45P200

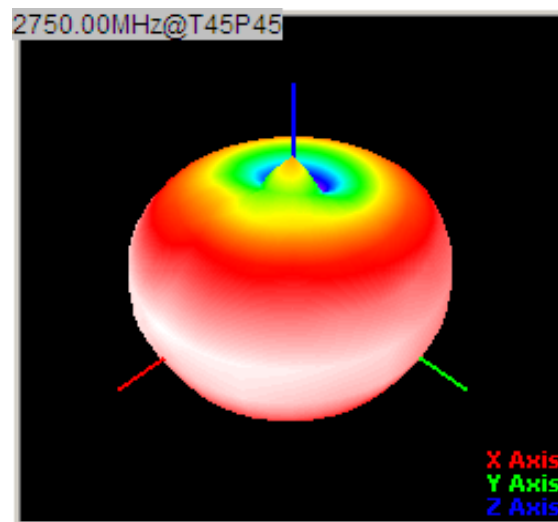
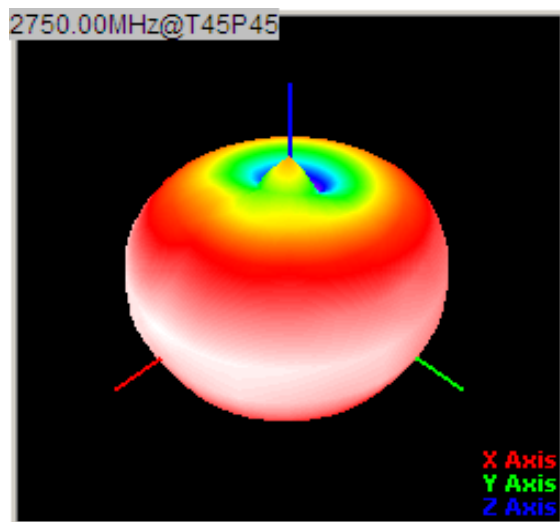




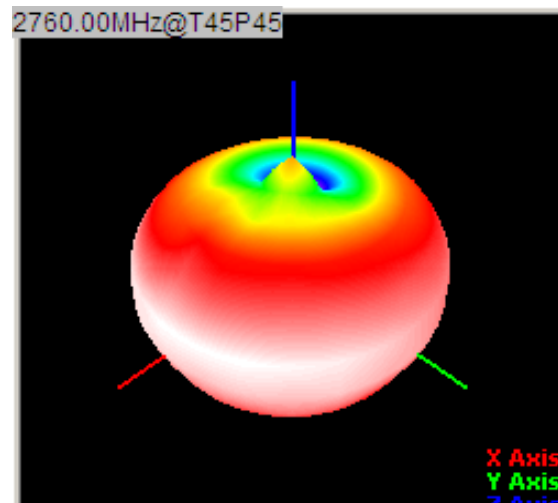
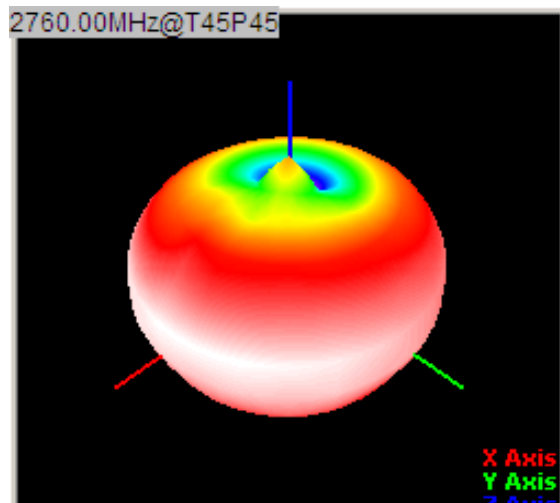
-15.19
-16.17

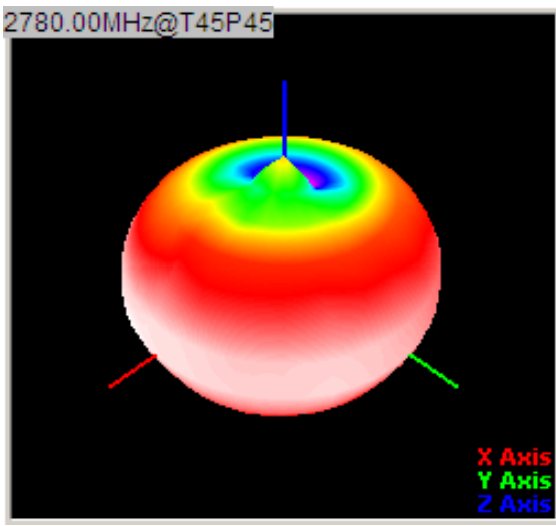
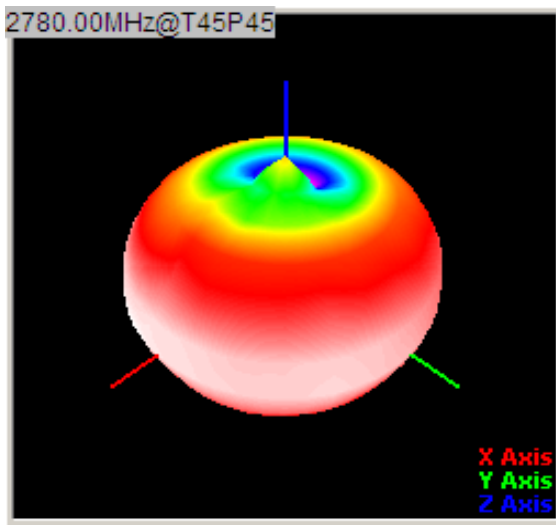
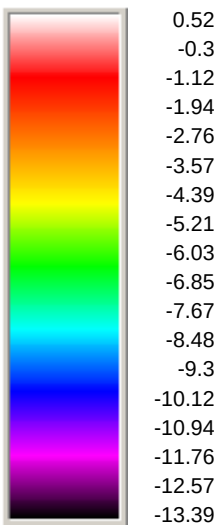
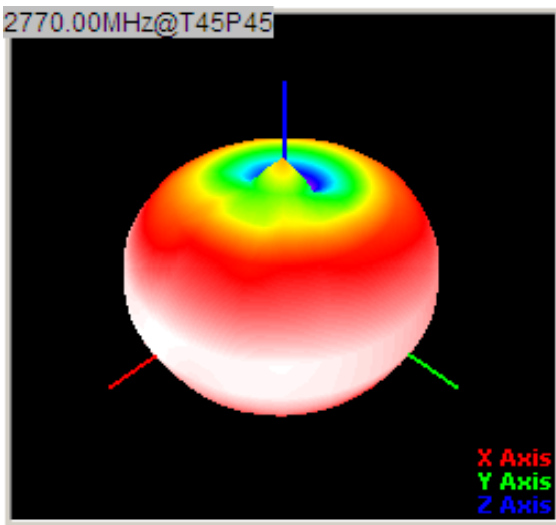
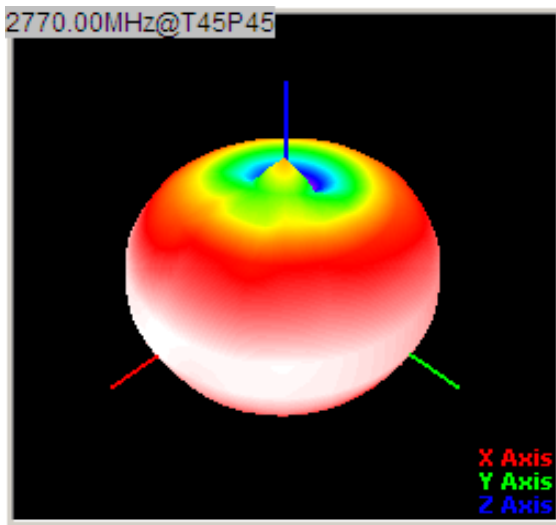
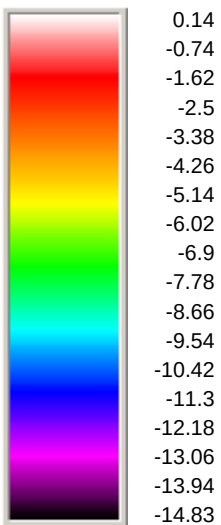


0.99
0.04
-0.9
-1.84
-2.78
-3.72
-4.67
-5.61
-6.55
-7.49
-8.43
-9.38
-10.32
-11.26
-12.2
-13.15
-14.09
-15.03



0.48
-0.44
-1.36
-2.28
-3.2
-4.12
-5.04
-5.96
-6.88
-7.8
-8.72
-9.64
-10.56
-11.48
-12.4
-13.32
-14.24

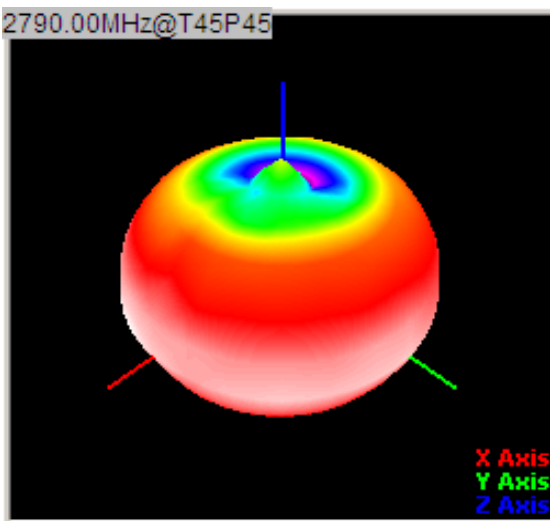




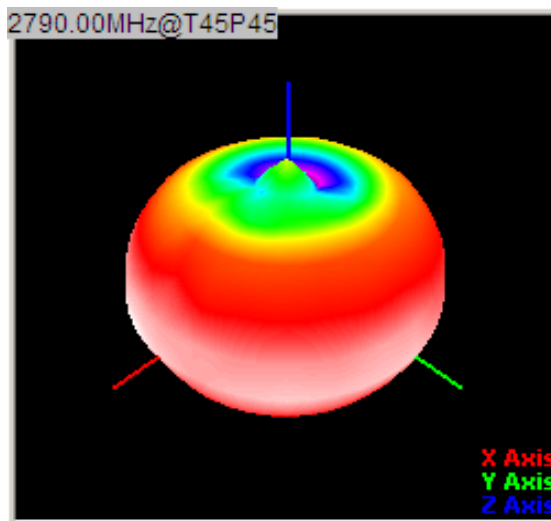


0.76
-0.01
-0.78
-1.55
-2.32
-3.09
-3.86
-4.63
-5.4
-6.17
-6.94
-7.71
-8.48
-9.25
-10.02
-10.79
-11.56
-12.33

2790.00MHz@T45P45

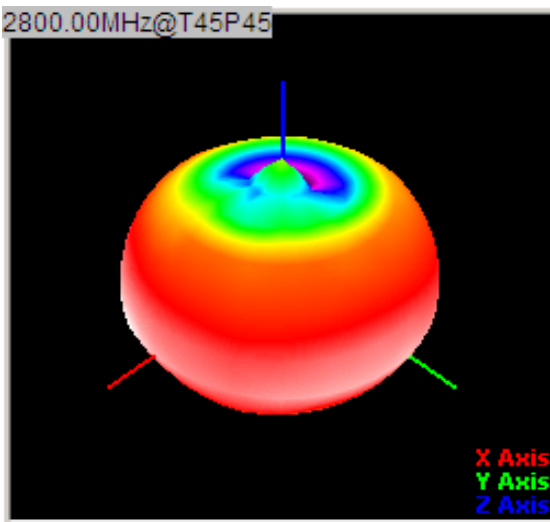


2790.00MHz@T45P45



0.72
-0.01
-0.75
-1.49
-2.22
-2.96
-3.7
-4.43
-5.17
-5.9
-6.64
-7.38
-8.11
-8.85
-9.59
-10.32
-11.06
-11.8

2800.00MHz@T45P45



2800.00MHz@T45P45

