

Antenna Specification

Quanzhou Jixun Guangda Technology Co.

Address: No. 4-329, Venture Avenue, Wenshan Village,
Xiamei Town, Nan'an City, Quanzhou City, Fujian
Province, China

FEITUKE II

Frequency ID	1	2
Frequency (MHz)	800.0	810.0
Point Values		
Ant. Port Input Pwr. (dBm)	0.00	0.00
Tot. Rad. Pwr. (dBm)	-11.17	-10.54
Peak EIRP (dBm)	-7.81	-6.97
Directivity (dBi)	3.36	3.56
Efficiency (dB)	-11.17	-10.54
Efficiency (%)	7.60	8.80
Gain (dBi)	-7.81	-6.97
NHPRP $\pm\pi/4$ (dBm)	-11.87	-11.22
NHPRP $\pm\pi/6$ (dBm)	-13.03	-12.41
NHPRP $\pm\pi/8$ (dBm)	-14.01	-13.41
Upper Hem. PRP (dBm)	-15.33	-14.92
Lower Hem. PRP (dBm)	-13.27	-12.50
Upper Hem. PRP (%)	2.93	3.22
Lower Hem. PRP (%)	4.71	5.62

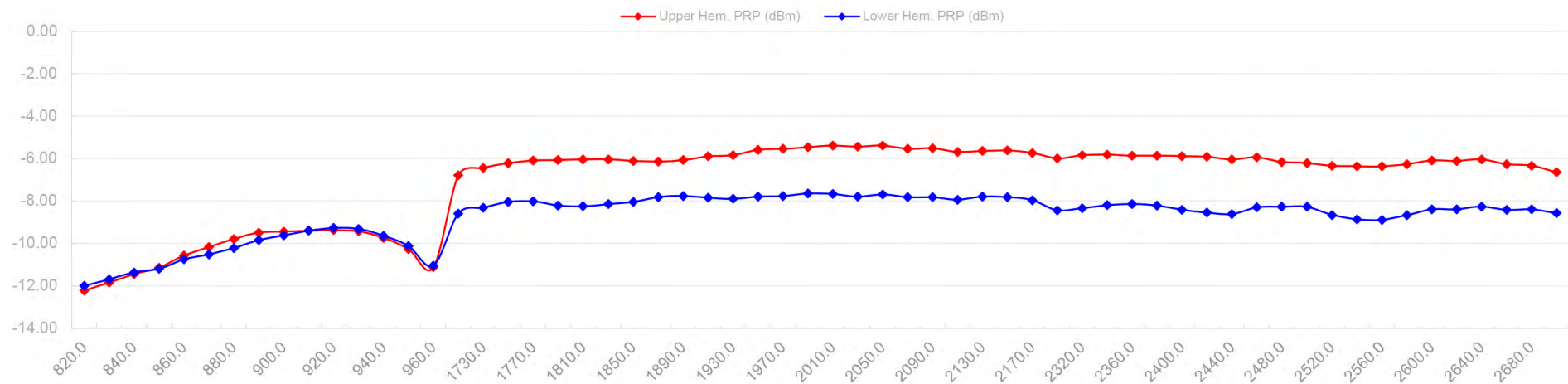
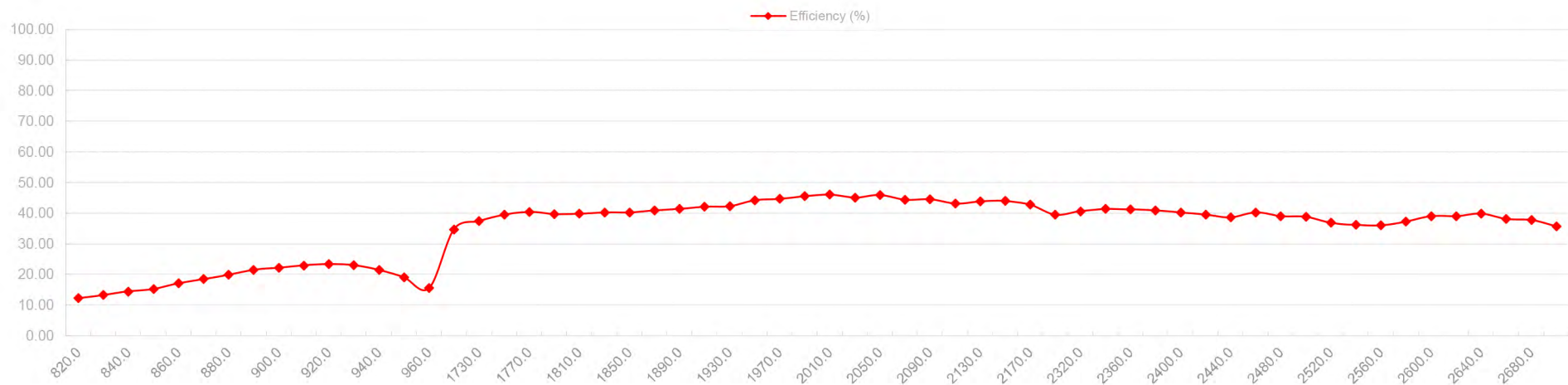


FEITUKEJI

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Frequency (MHz)	820.0	830.0	840.0	850.0	860.0	870.0	880.0	890.0	900.0	910.0	920.0	930.0	940.0	950.0	960.0	1710.0	1730.0	1750.0
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
Tot. Rad. Pwr. (dBm)	-9.10	-8.75	-8.40	-8.15	-7.65	-7.33	-6.99	-6.66	-6.52	-6.39	-6.31	-6.36	-6.68	-7.18	-8.07	-4.59	-4.26	-4.02
Peak EIRP (dBm)	-5.46	-5.08	-4.77	-4.62	-4.07	-3.73	-3.46	-3.17	-2.97	-2.36	-1.84	-1.63	-1.96	-2.44	-3.53	1.00	1.20	1.23
Directivity (dBi)	3.64	3.67	3.62	3.54	3.58	3.60	3.52	3.48	3.54	4.03	4.47	4.73	4.72	4.75	4.54	5.59	5.46	5.25
Efficiency (dB)	-9.10	-8.75	-8.40	-8.15	-7.65	-7.33	-6.99	-6.66	-6.52	-6.39	-6.31	-6.36	-6.68	-7.18	-8.07	-4.59	-4.26	-4.02
Efficiency (%)	12.30	13.30	14.50	15.30	17.20	18.50	20.00	21.60	22.30	23.00	23.40	23.10	21.50	19.10	15.60	34.80	37.50	39.60
Gain (dBi)	-5.46	-5.08	-4.77	-4.62	-4.07	-3.73	-3.46	-3.17	-2.97	-2.36	-1.84	-1.63	-1.96	-2.44	-3.53	1.00	1.20	1.23
NHPRP $\pm$ Pi/4 (dBm)	-10.05	-9.72	-9.41	-9.21	-8.74	-8.45	-8.14	-7.82	-7.66	-7.49	-7.35	-7.36	-7.67	-8.18	-9.07	-5.73	-5.37	-5.08
NHPRP $\pm$ Pi/6 (dBm)	-11.40	-11.08	-10.78	-10.61	-10.15	-9.86	-9.54	-9.22	-9.05	-8.87	-8.73	-8.74	-9.07	-9.56	-10.43	-6.97	-6.58	-6.26
NHPRP $\pm$ Pi/8 (dBm)	-12.48	-12.13	-11.82	-11.69	-11.23	-10.93	-10.62	-10.32	-10.19	-10.01	-9.86	-9.88	-10.23	-10.72	-11.54	-7.93	-7.52	-7.18
Upper Hem. PRP (dBm)	-12.22	-11.84	-11.45	-11.14	-10.57	-10.17	-9.79	-9.49	-9.43	-9.40	-9.38	-9.43	-9.74	-10.26	-11.11	-6.79	-6.43	-6.21
Lower Hem. PRP (dBm)	-12.01	-11.69	-11.36	-11.19	-10.75	-10.52	-10.22	-9.84	-9.63	-9.40	-9.27	-9.31	-9.64	-10.13	-11.05	-8.59	-8.31	-8.05
Upper Hem. PRP (%)	6.00	6.54	7.16	7.69	8.77	9.61	10.50	11.23	11.40	11.47	11.54	11.41	10.62	9.41	7.74	20.96	22.74	23.92
Lower Hem. PRP (%)	6.30	6.78	7.31	7.61	8.41	8.88	9.51	10.36	10.90	11.49	11.82	11.72	10.87	9.72	7.85	13.83	14.76	15.67

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1770.0	1790.0	1810.0	1830.0	1850.0	1870.0	1890.0	1910.0	1930.0	1950.0	1970.0	1990.0	2010.0	2030.0	2050.0	2070.0	2090.0	2110.0	2130.0	2150.0	2170.0	2300.0
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
-3.93	-4.00	-3.99	-3.95	-3.95	-3.88	-3.82	-3.75	-3.73	-3.54	-3.50	-3.41	-3.36	-3.45	-3.37	-3.52	-3.50	-3.65	-3.58	-3.57	-3.69	-4.02
1.46	1.60	1.69	1.56	1.39	1.45	1.45	1.55	1.80	1.98	1.99	2.18	2.25	1.99	1.91	2.16	2.56	2.44	2.64	2.52	2.03	1.60
5.39	5.60	5.68	5.51	5.34	5.34	5.27	5.29	5.54	5.51	5.49	5.60	5.61	5.44	5.28	5.68	6.06	6.09	6.22	6.08	5.72	5.62
-3.93	-4.00	-3.99	-3.95	-3.95	-3.88	-3.82	-3.75	-3.73	-3.54	-3.50	-3.41	-3.36	-3.45	-3.37	-3.52	-3.50	-3.65	-3.58	-3.57	-3.69	-4.02
40.50	39.80	39.90	40.30	40.30	40.90	41.50	42.20	42.30	44.30	44.70	45.60	46.10	45.20	46.00	44.50	44.60	43.20	43.90	44.00	42.80	39.60
1.46	1.60	1.69	1.56	1.39	1.45	1.45	1.55	1.80	1.98	1.99	2.18	2.25	1.99	1.91	2.16	2.56	2.44	2.64	2.52	2.03	1.60
-4.97	-5.08	-5.10	-5.07	-5.09	-5.01	-4.92	-4.87	-4.88	-4.68	-4.63	-4.56	-4.56	-4.66	-4.56	-4.70	-4.70	-4.84	-4.76	-4.76	-4.86	-5.36
-6.15	-6.25	-6.28	-6.27	-6.29	-6.19	-6.09	-6.03	-6.05	-5.87	-5.82	-5.76	-5.77	-5.87	-5.77	-5.87	-5.83	-5.95	-5.84	-5.87	-6.00	-6.56
-7.08	-7.19	-7.22	-7.21	-7.21	-7.09	-6.99	-6.93	-6.97	-6.83	-6.77	-6.70	-6.72	-6.84	-6.72	-6.77	-6.70	-6.78	-6.64	-6.71	-6.87	-7.46
-6.08	-6.07	-6.04	-6.03	-6.10	-6.13	-6.07	-5.89	-5.83	-5.58	-5.54	-5.47	-5.38	-5.44	-5.38	-5.54	-5.51	-5.67	-5.64	-5.61	-5.72	-5.98
-8.01	-8.21	-8.24	-8.14	-8.03	-7.82	-7.75	-7.85	-7.89	-7.79	-7.76	-7.65	-7.66	-7.79	-7.68	-7.80	-7.82	-7.93	-7.79	-7.82	-7.95	-8.44
24.67	24.73	24.91	24.94	24.53	24.37	24.74	25.78	26.10	27.68	27.92	28.41	28.97	28.60	28.98	27.93	28.13	27.08	27.27	27.46	26.78	25.25
15.80	15.09	14.98	15.33	15.73	16.52	16.78	16.42	16.24	16.62	16.74	17.18	17.15	16.63	17.06	16.58	16.51	16.10	16.63	16.53	16.02	14.34

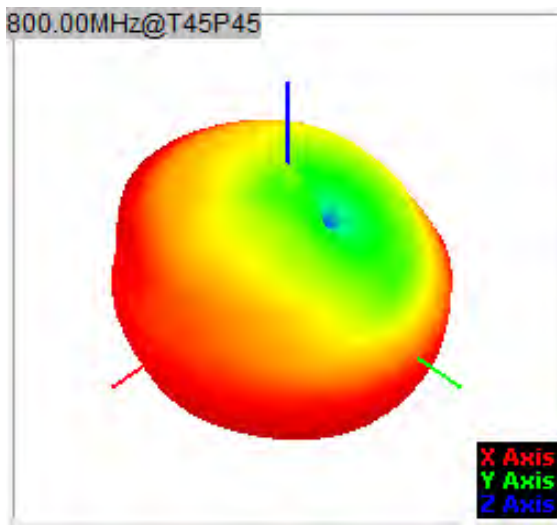
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
2320.0	2340.0	2360.0	2380.0	2400.0	2420.0	2440.0	2460.0	2480.0	2500.0	2520.0	2540.0	2560.0	2580.0	2600.0	2620.0	2640.0	2660.0	2680.0	2700.0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-3.90	-3.83	-3.84	-3.87	-3.95	-4.02	-4.12	-3.95	-4.07	-4.10	-4.33	-4.41	-4.43	-4.28	-4.08	-4.08	-3.99	-4.20	-4.23	-4.48
1.94	2.16	1.96	1.82	2.02	1.92	1.52	1.69	1.61	1.78	1.59	1.37	1.25	1.31	1.58	1.44	1.50	1.52	1.57	1.18
5.83	5.99	5.80	5.69	5.97	5.94	5.64	5.64	5.68	5.88	5.91	5.78	5.68	5.59	5.66	5.52	5.50	5.72	5.80	5.66
-3.90	-3.83	-3.84	-3.87	-3.95	-4.02	-4.12	-3.95	-4.07	-4.10	-4.33	-4.41	-4.43	-4.28	-4.08	-4.08	-3.99	-4.20	-4.23	-4.48
40.70	41.40	41.30	41.00	40.30	39.60	38.70	40.30	39.10	38.90	36.90	36.20	36.10	37.30	39.10	39.10	39.90	38.10	37.80	35.70
1.94	2.16	1.96	1.82	2.02	1.92	1.52	1.69	1.61	1.78	1.59	1.37	1.25	1.31	1.58	1.44	1.50	1.52	1.57	1.18
-5.23	-5.18	-5.19	-5.21	-5.28	-5.33	-5.44	-5.27	-5.38	-5.38	-5.61	-5.72	-5.76	-5.65	-5.45	-5.44	-5.33	-5.52	-5.56	-5.81
-6.42	-6.36	-6.37	-6.41	-6.52	-6.59	-6.69	-6.50	-6.57	-6.55	-6.78	-6.92	-6.95	-6.82	-6.64	-6.64	-6.55	-6.76	-6.82	-7.05
-7.30	-7.23	-7.23	-7.28	-7.43	-7.54	-7.64	-7.41	-7.43	-7.39	-7.62	-7.77	-7.80	-7.65	-7.47	-7.48	-7.40	-7.63	-7.70	-7.93
-5.84	-5.82	-5.86	-5.85	-5.88	-5.91	-6.03	-5.94	-6.15	-6.20	-6.33	-6.35	-6.36	-6.25	-6.08	-6.10	-6.03	-6.26	-6.33	-6.63
-8.33	-8.20	-8.14	-8.22	-8.40	-8.54	-8.61	-8.30	-8.27	-8.27	-8.65	-8.85	-8.88	-8.66	-8.40	-8.38	-8.26	-8.42	-8.39	-8.56
26.05	26.20	25.96	25.98	25.83	25.63	24.94	25.47	24.25	24.00	23.29	23.16	23.13	23.70	24.65	24.55	24.93	23.67	23.29	21.74
14.70	15.15	15.35	15.07	14.44	13.98	13.78	14.80	14.89	14.88	13.64	13.02	12.93	13.61	14.46	14.51	14.94	14.39	14.48	13.94



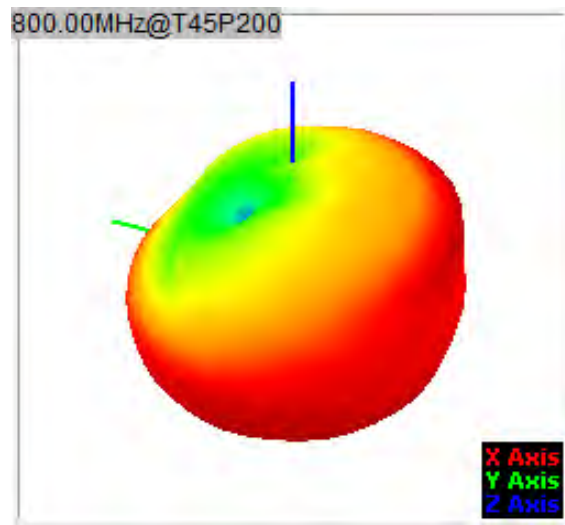


-7.81
-9.02
-10.23
-11.44
-12.65
-13.86
-15.07
-16.28
-17.49
-18.7
-19.91
-21.12
-22.33
-23.54
-24.75
-25.96
-27.17
-28.38

800.00MHz@T45P45

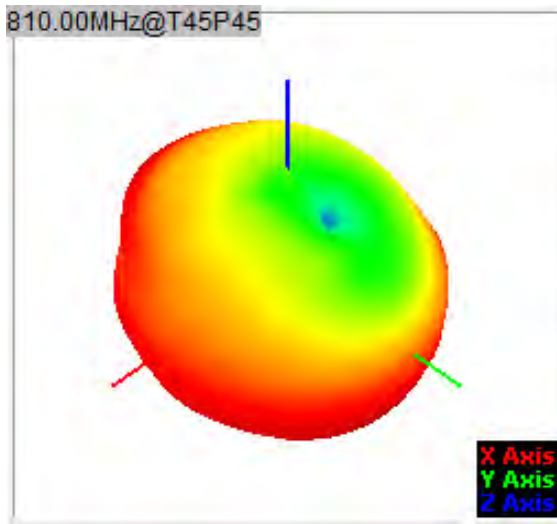


800.00MHz@T45P200

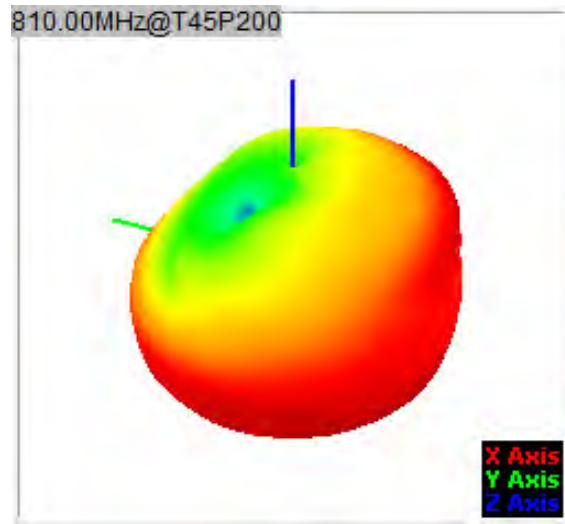


-6.97
-8.24
-9.52
-10.79
-12.06
-13.33
-14.6
-15.87
-17.14
-18.42
-19.69
-20.96
-22.23
-23.5
-24.77
-26.04
-27.32
-28.59

810.00MHz@T45P45



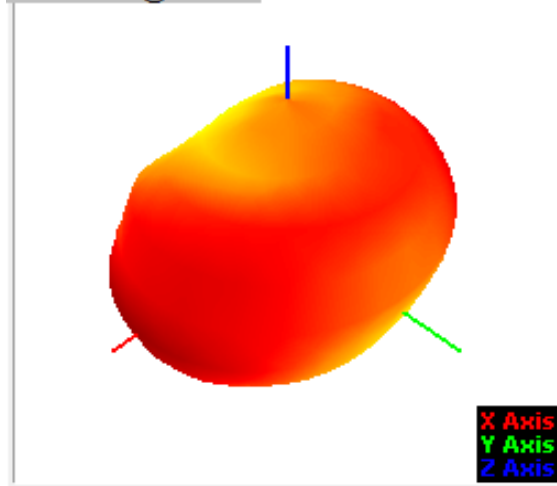
810.00MHz@T45P200



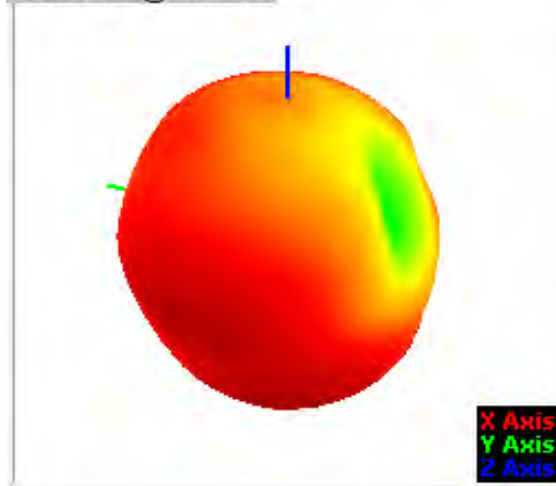


-5.46
-6.32
-7.17
-8.03
-8.89
-9.74
-10.6
-11.45
-12.31
-13.17
-14.02
-14.88
-15.74
-16.59
-17.45
-18.3
-19.16
-20.02

820.00MHz@T45P45

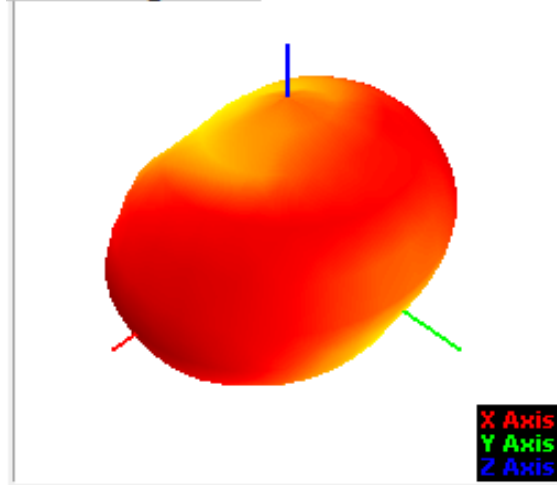


820.00MHz@T45P200

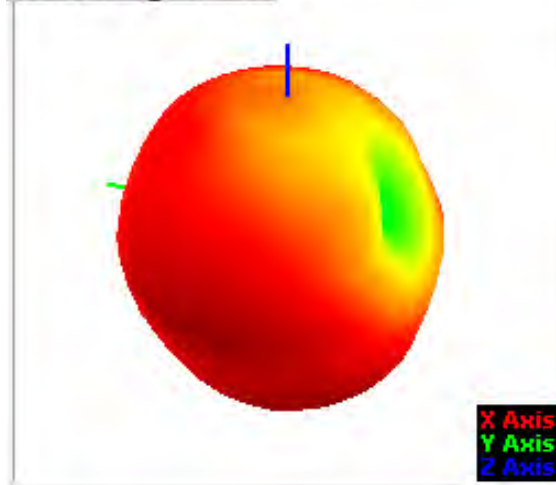


-5.08
-6.11
-7.14
-8.16
-9.19
-10.22
-11.25
-12.28
-13.31
-14.33
-15.36
-16.39
-17.42
-18.45
-19.47
-20.5
-21.53
-22.56

830.00MHz@T45P45

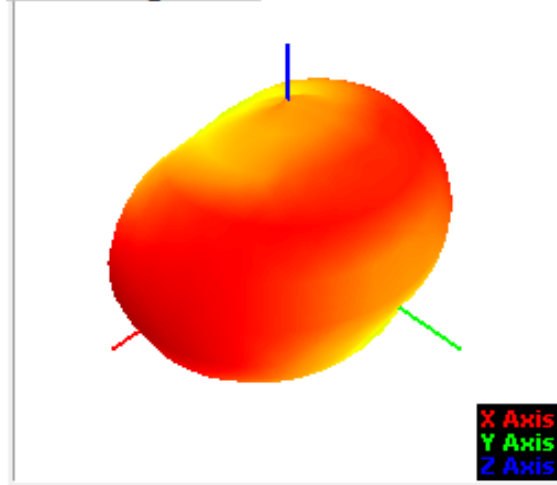


830.00MHz@T45P200

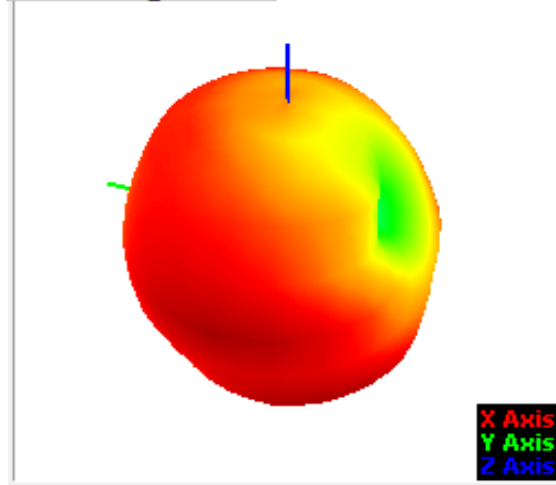


-4.77
-5.95
-7.13
-8.31
-9.49
-10.67
-11.85
-13.03
-14.21
-15.39
-16.57
-17.75
-18.93
-20.11
-21.29
-22.47
-23.65
-24.83

840.00MHz@T45P45

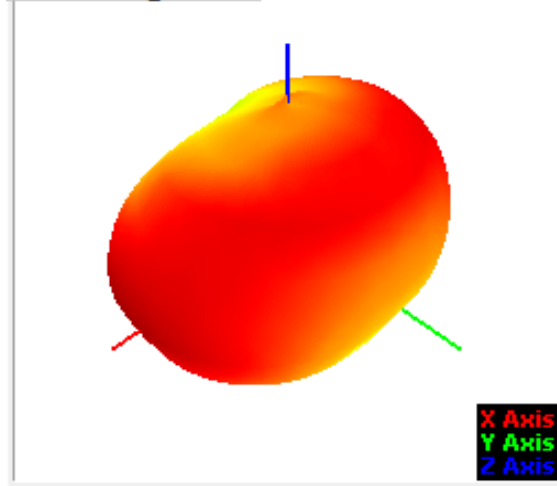


840.00MHz@T45P200

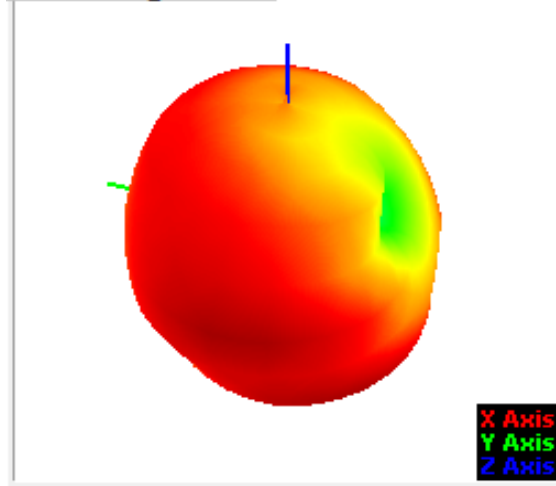


-4.62
-5.73
-6.83
-7.94
-9.05
-10.16
-11.26
-12.37
-13.48
-14.59
-15.7
-16.8
-17.91
-19.02
-20.13
-21.24
-22.34
-23.45

850.00MHz@T45P45



850.00MHz@T45P200



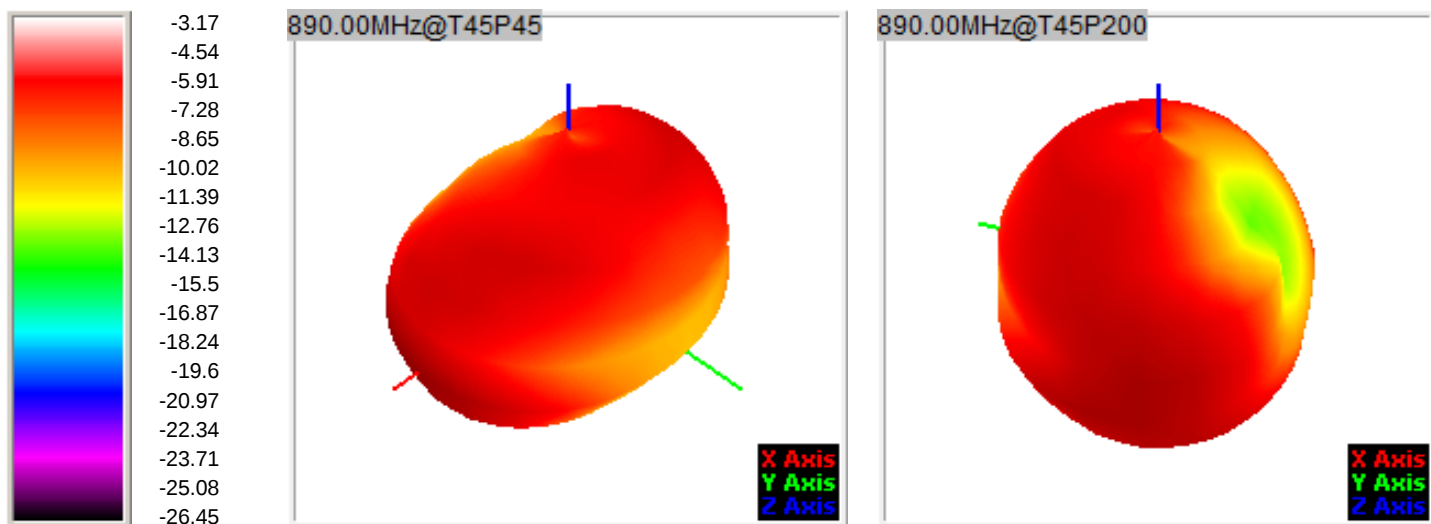
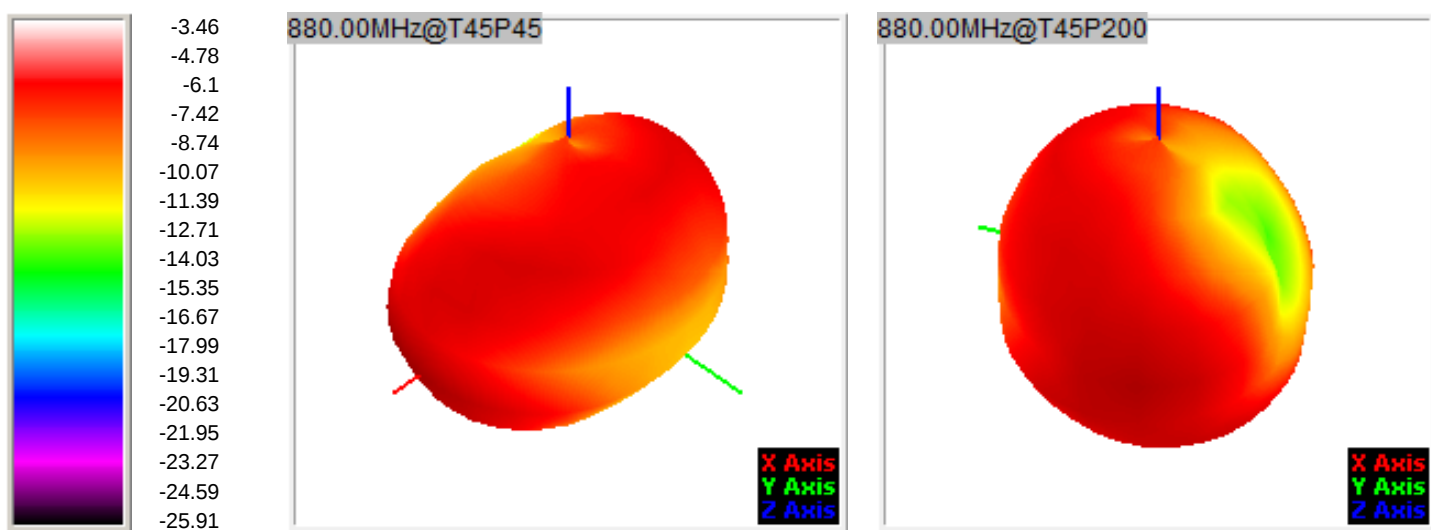
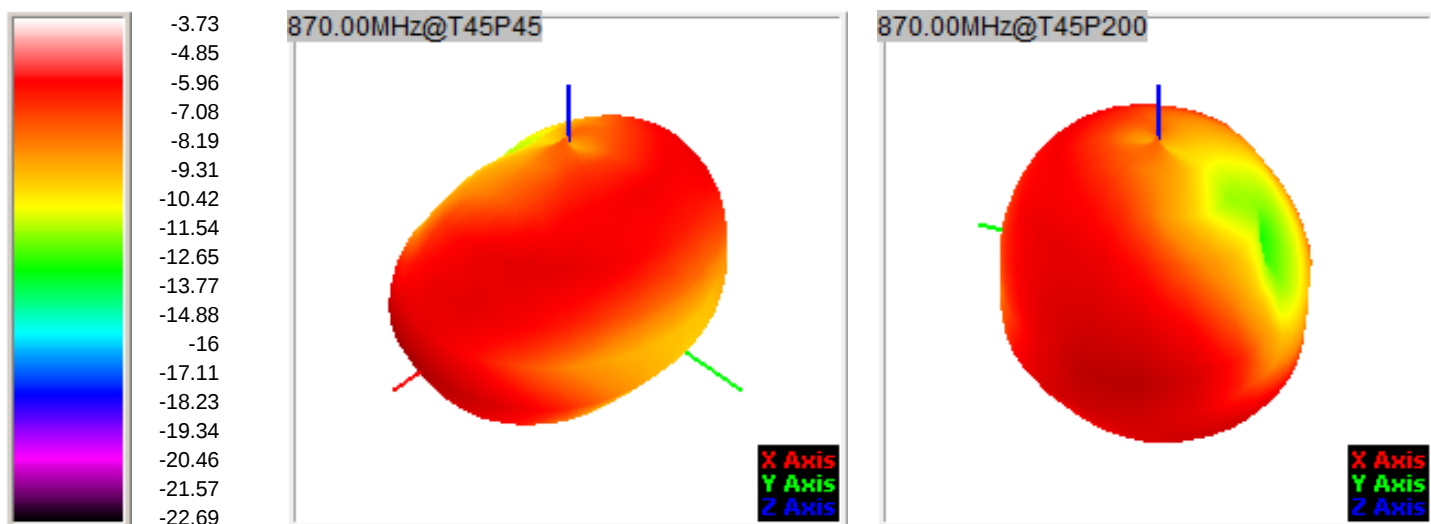
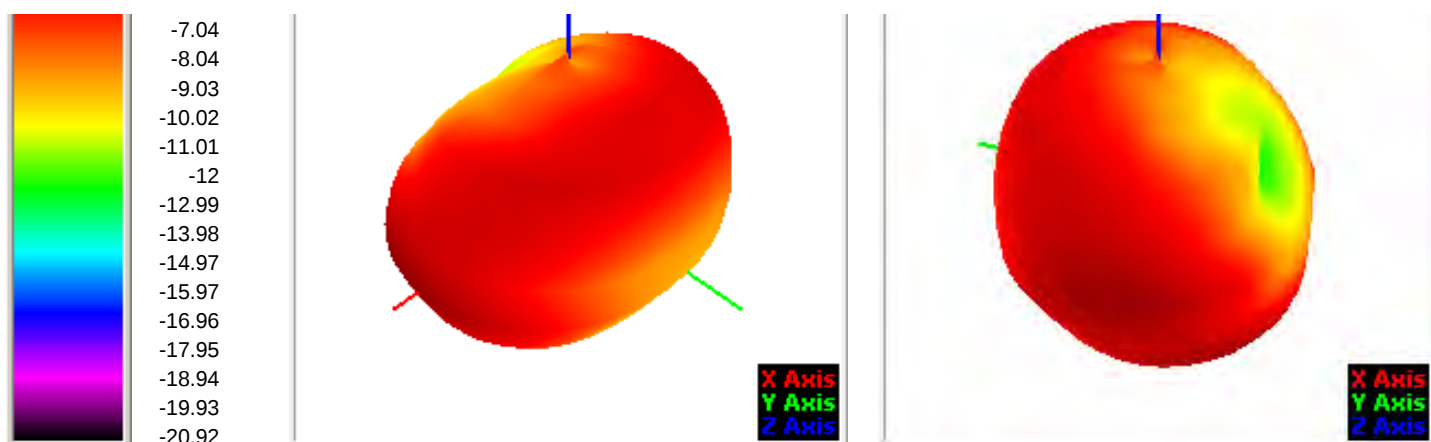
-4.07
-5.06
-6.05

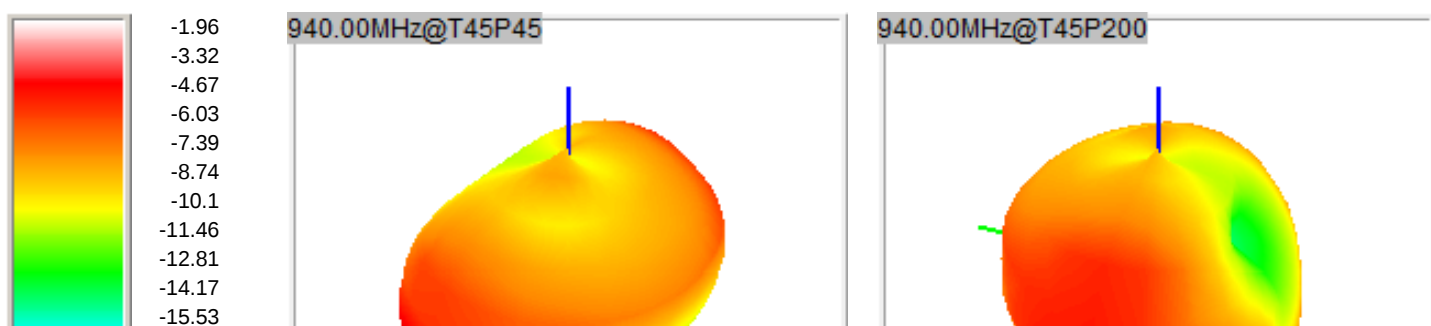
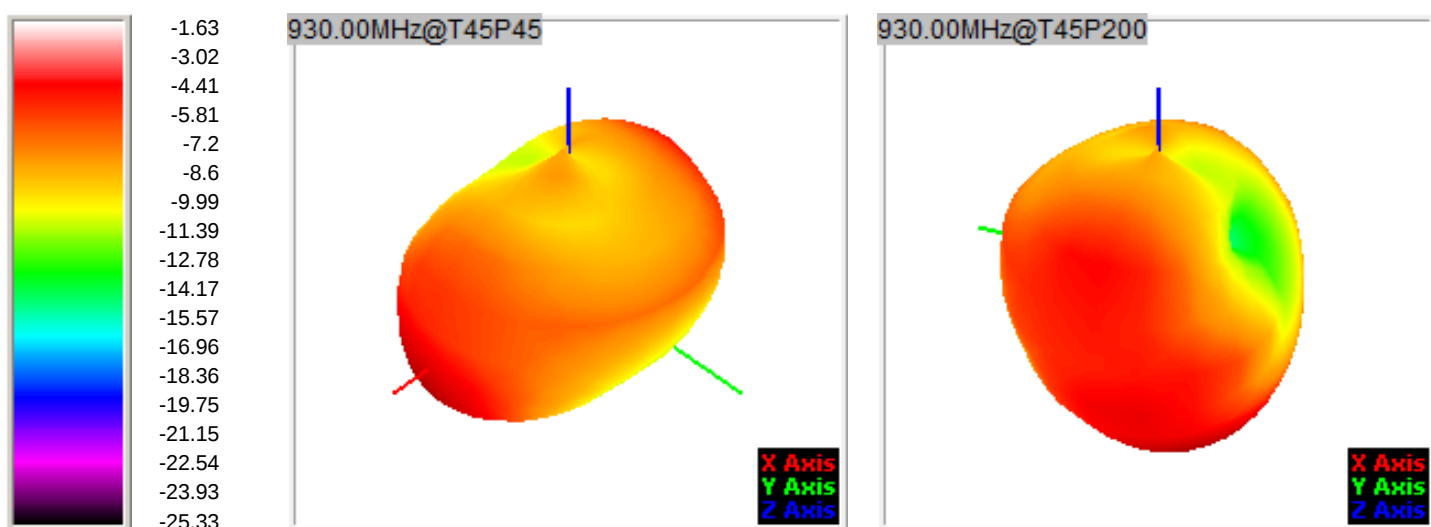
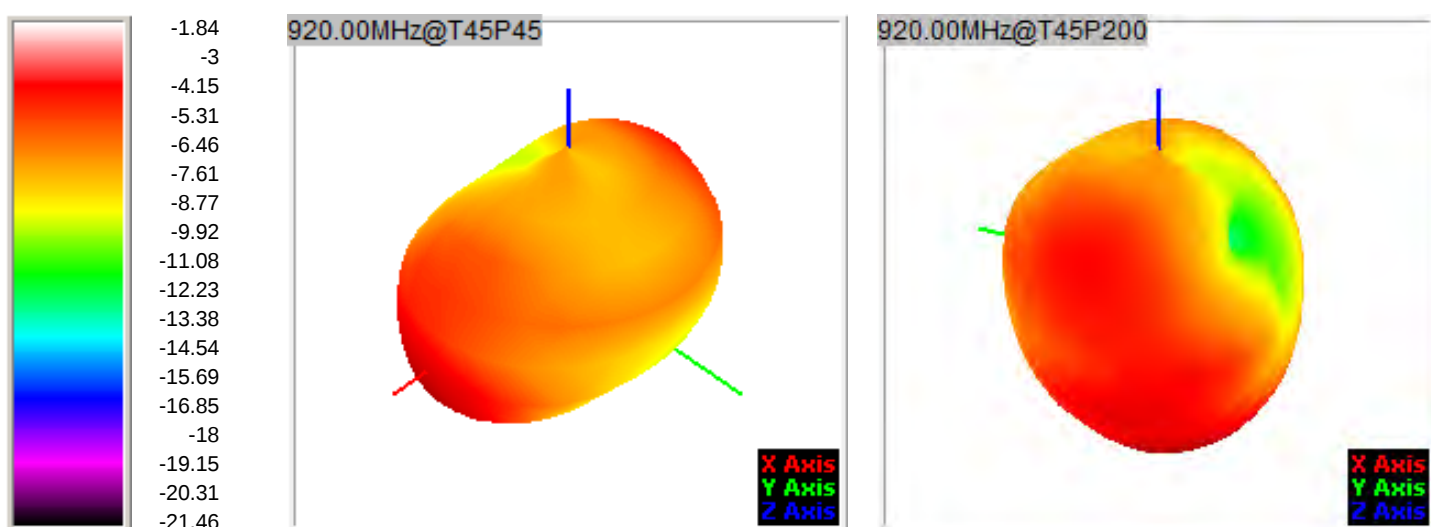
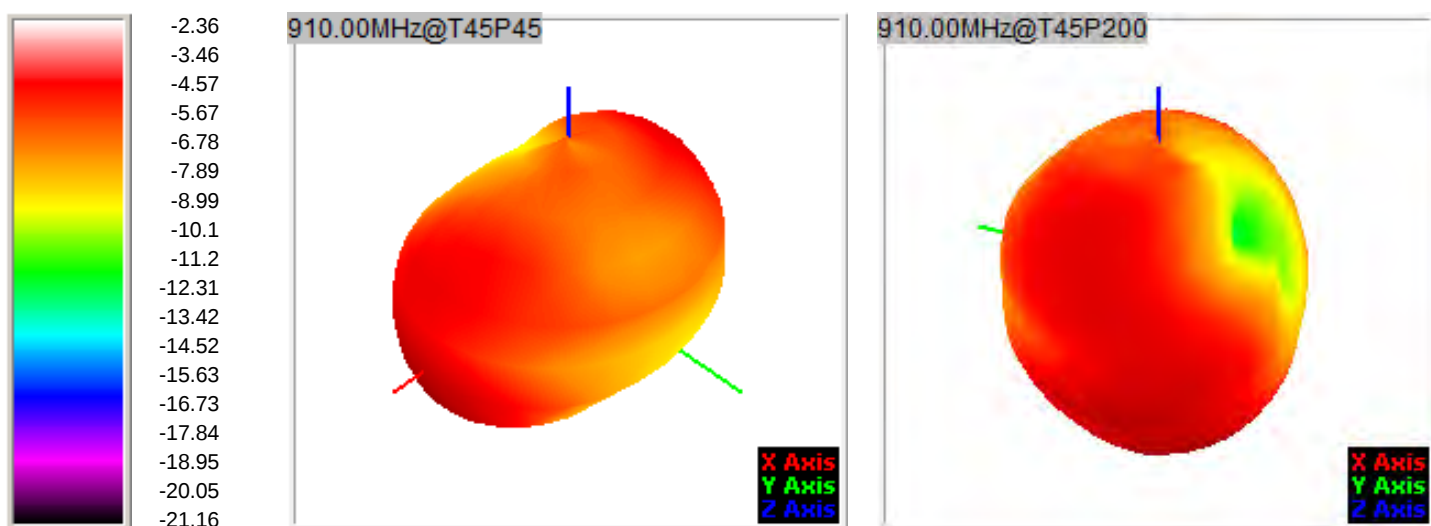
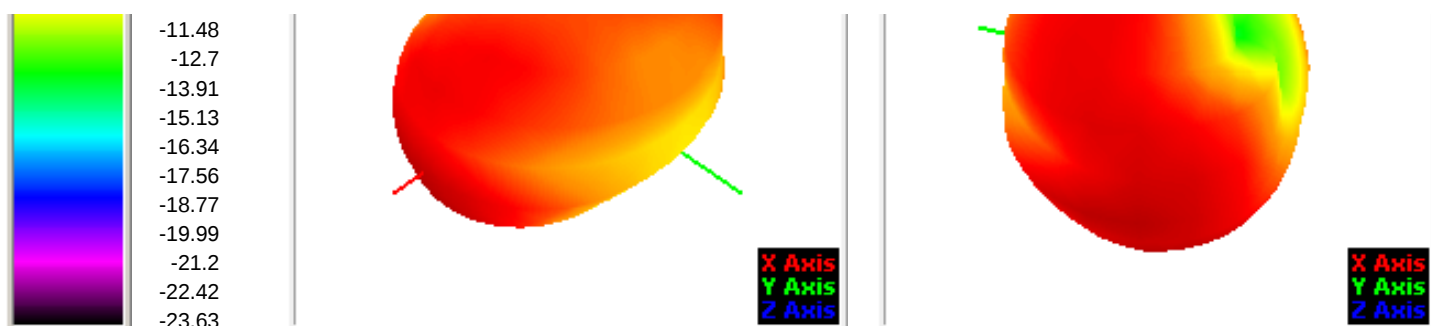
860.00MHz@T45P45



860.00MHz@T45P200





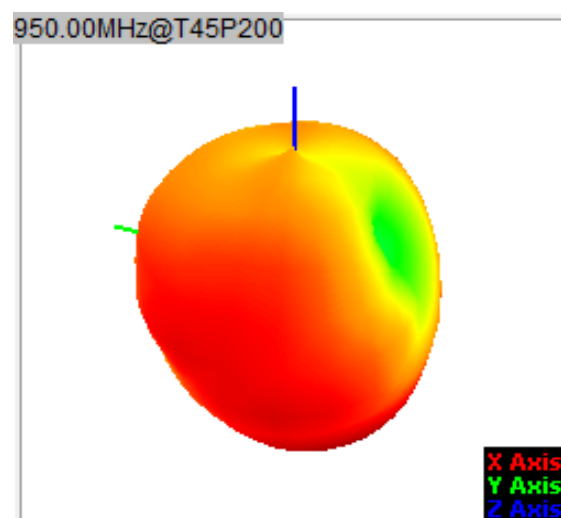
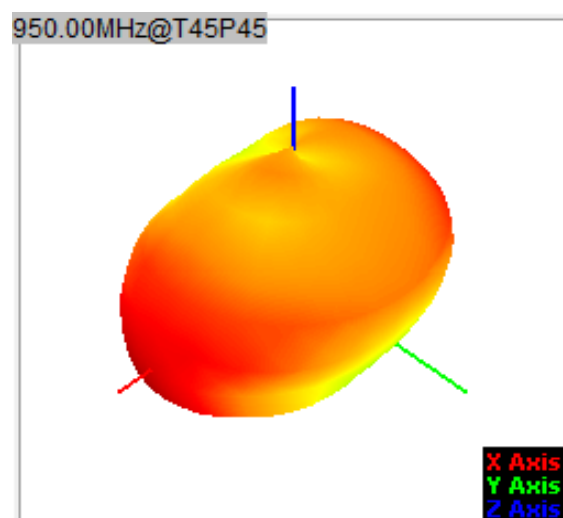




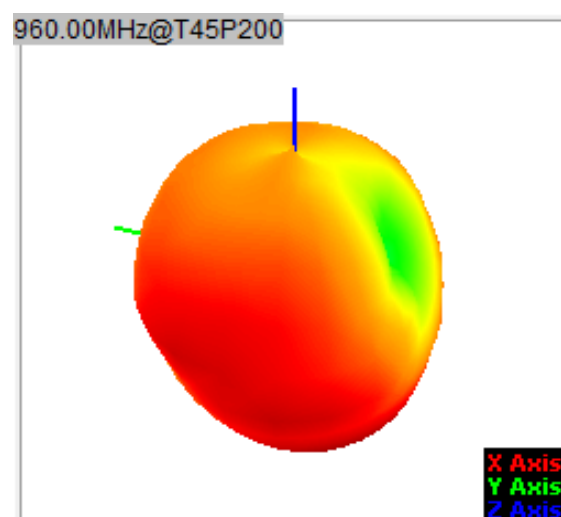
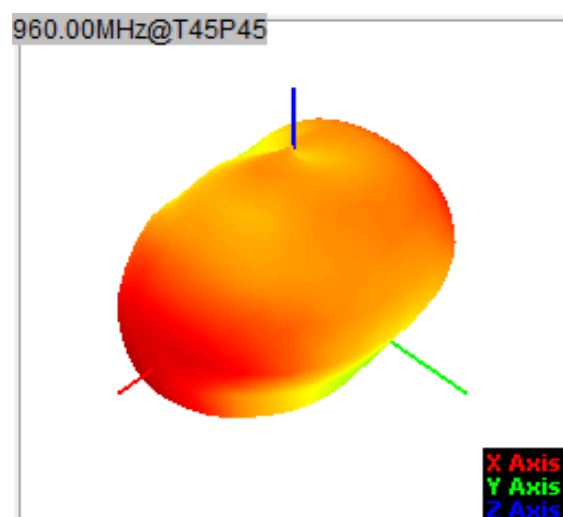
-16.89
-18.24
-19.6
-20.96
-22.31
-23.67
-25.03



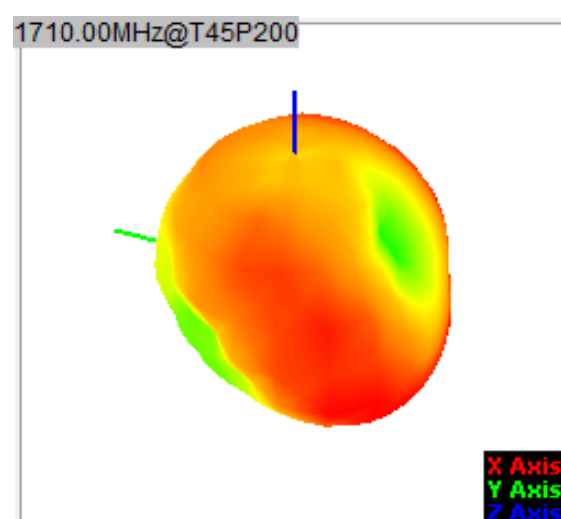
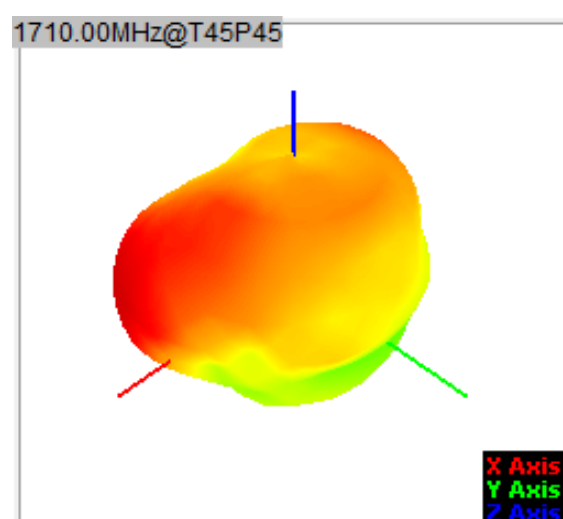
-2.44
-3.76
-5.08
-6.4
-7.73
-9.05
-10.37
-11.7
-13.02
-14.34
-15.66
-16.99
-18.31
-19.63
-20.96
-22.28
-23.6
-24.92



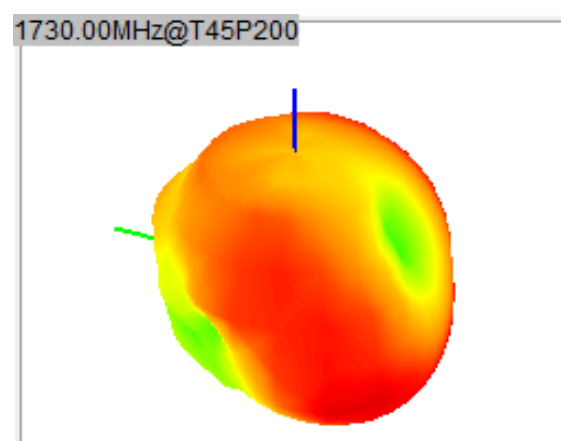
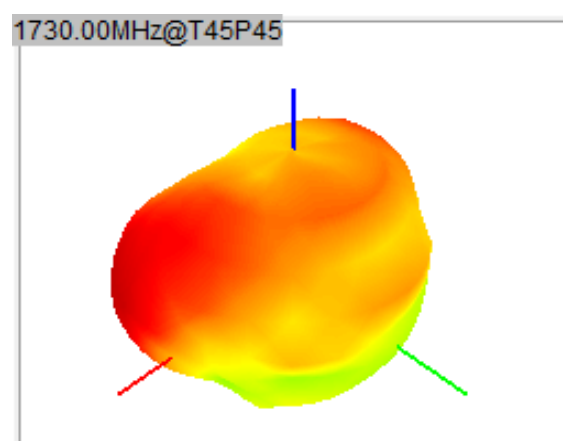
-3.53
-5
-6.47
-7.95
-9.42
-10.9
-12.37
-13.85
-15.32
-16.79
-18.27
-19.74
-21.22
-22.69
-24.16
-25.64
-27.11
-28.59



1
-0.45
-1.9
-3.35
-4.81
-6.26
-7.71
-9.16
-10.62
-12.07
-13.52
-14.97
-16.43
-17.88
-19.33
-20.78
-22.24
-23.69



1.2
-0.22
-1.65
-3.08
-4.51
-5.93
-7.36
-8.79
-10.22
-11.64
-13.07
-14.5
-15.93
-17.35
-18.78

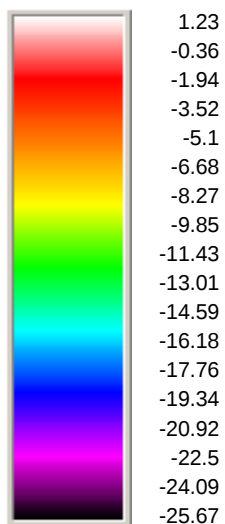




-20.21
-21.64
-23.06

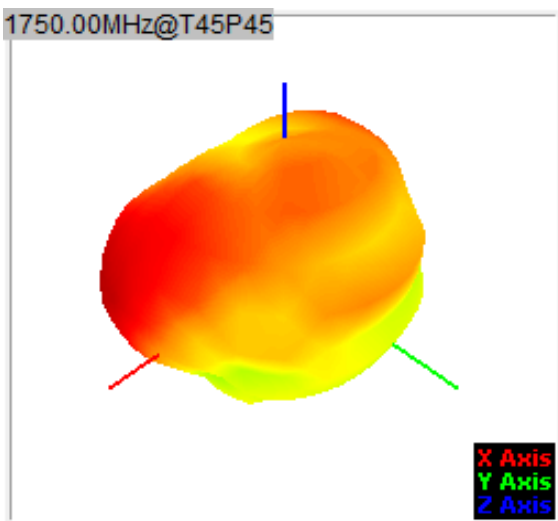
X Axis
Y Axis
Z Axis

X Axis
Y Axis
Z Axis



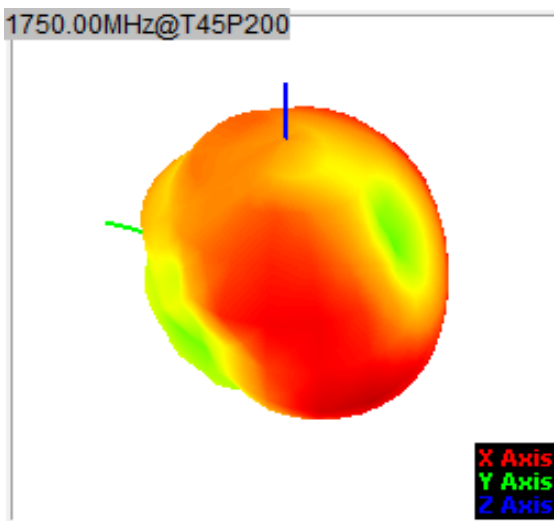
1.23
-0.36
-1.94
-3.52
-5.1
-6.68
-8.27
-9.85
-11.43
-13.01
-14.59
-16.18
-17.76
-19.34
-20.92
-22.5
-24.09
-25.67

1750.00MHz@T45P45

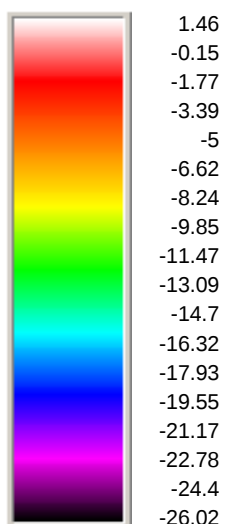


X Axis
Y Axis
Z Axis

1750.00MHz@T45P200

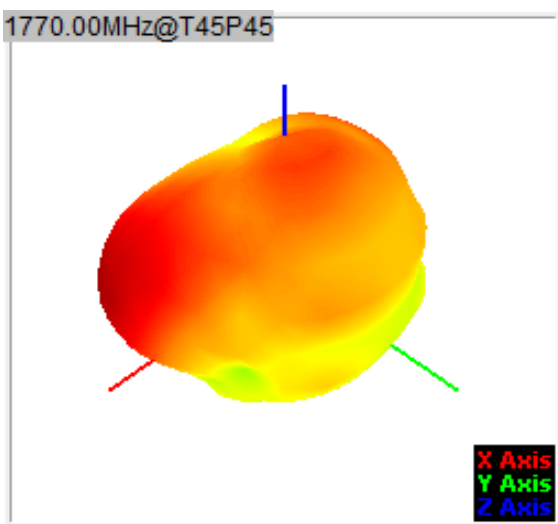


X Axis
Y Axis
Z Axis



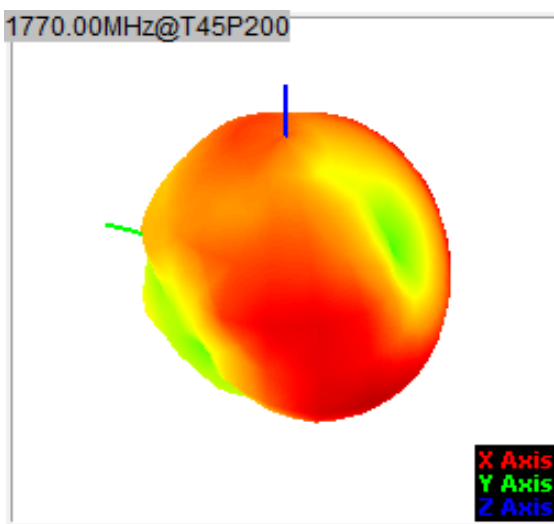
1.46
-0.15
-1.77
-3.39
-5
-6.62
-8.24
-9.85
-11.47
-13.09
-14.7
-16.32
-17.93
-19.55
-21.17
-22.78
-24.4
-26.02

1770.00MHz@T45P45

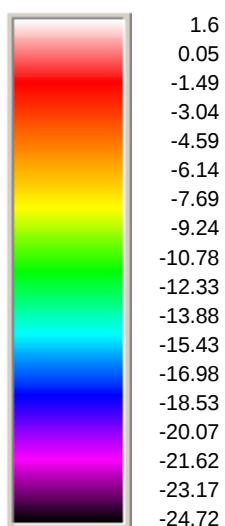


X Axis
Y Axis
Z Axis

1770.00MHz@T45P200

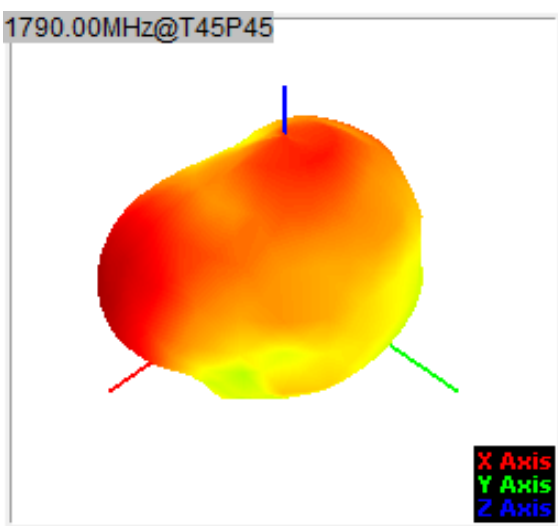


X Axis
Y Axis
Z Axis



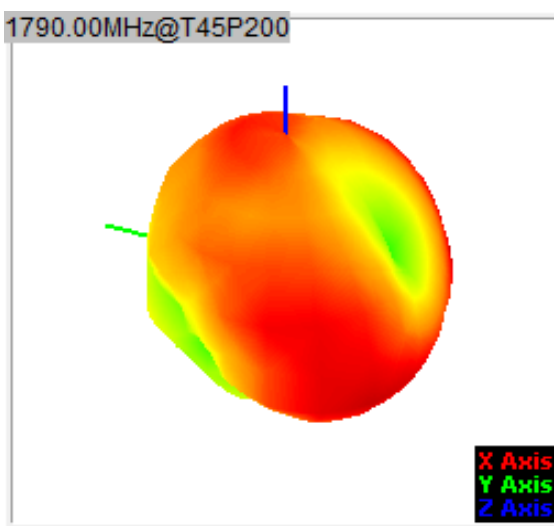
1.6
0.05
-1.49
-3.04
-4.59
-6.14
-7.69
-9.24
-10.78
-12.33
-13.88
-15.43
-16.98
-18.53
-20.07
-21.62
-23.17
-24.72

1790.00MHz@T45P45

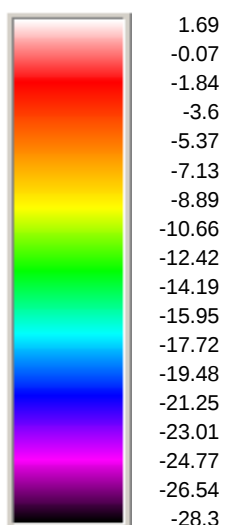


X Axis
Y Axis
Z Axis

1790.00MHz@T45P200

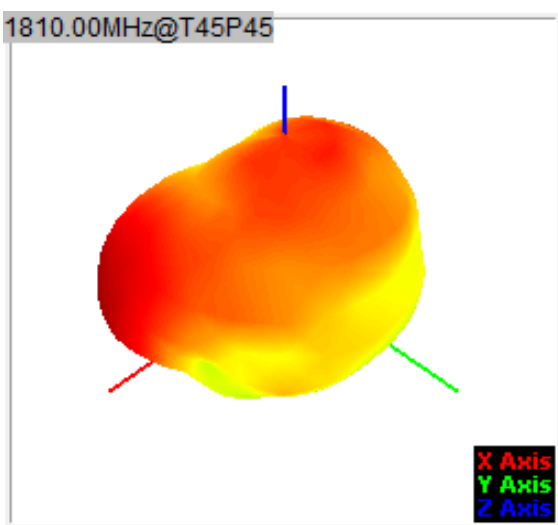


X Axis
Y Axis
Z Axis



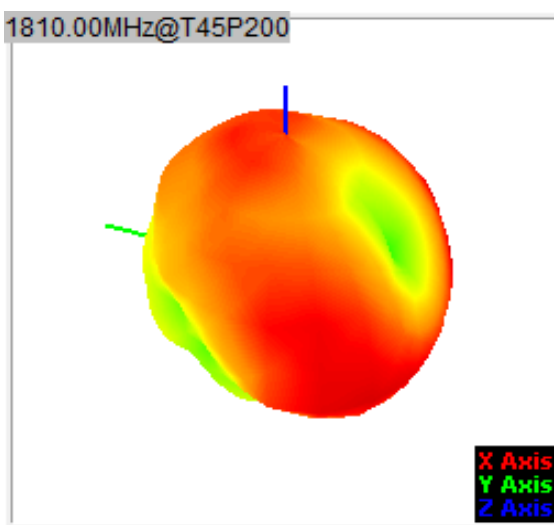
1.69
-0.07
-1.84
-3.6
-5.37
-7.13
-8.89
-10.66
-12.42
-14.19
-15.95
-17.72
-19.48
-21.25
-23.01
-24.77
-26.54
-28.3

1810.00MHz@T45P45

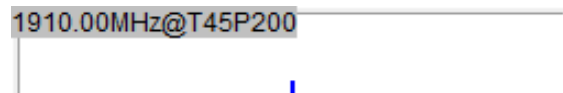
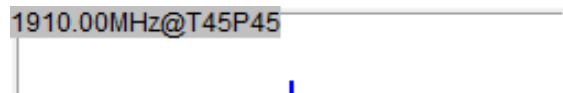
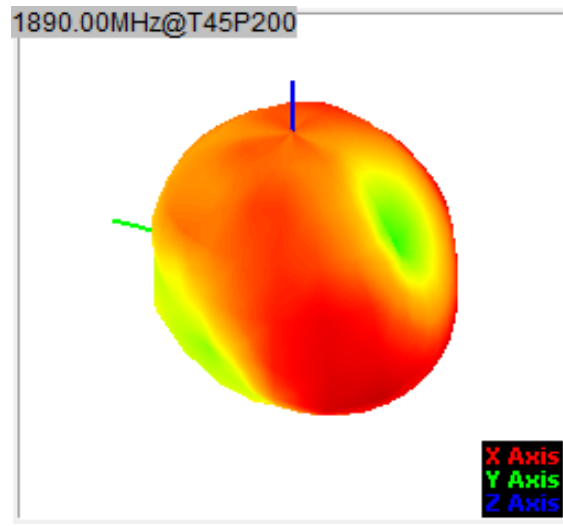
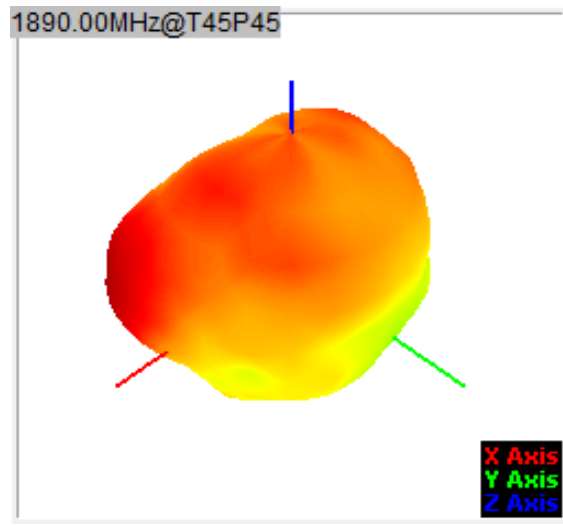
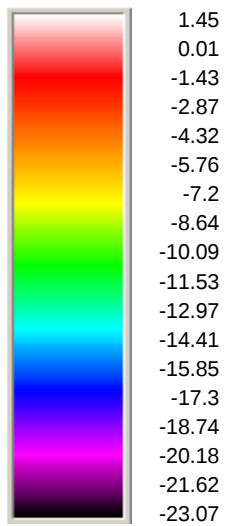
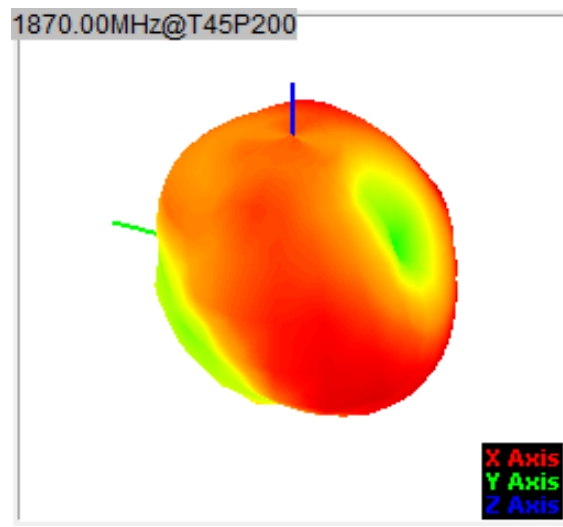
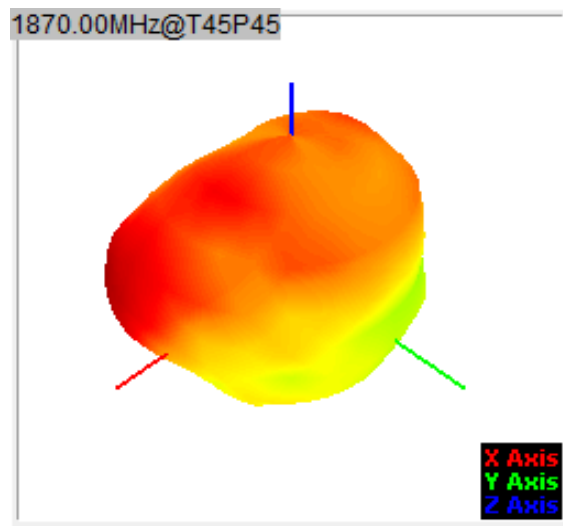
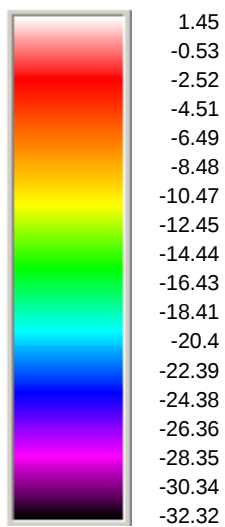
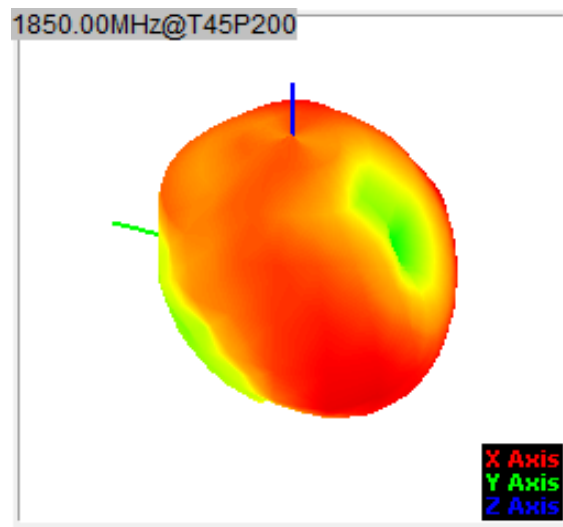
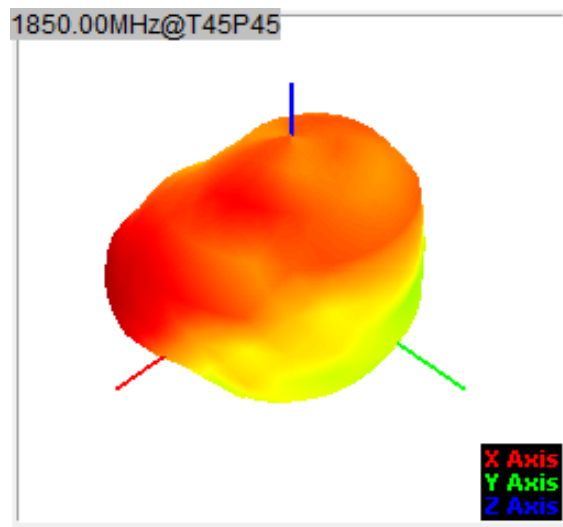
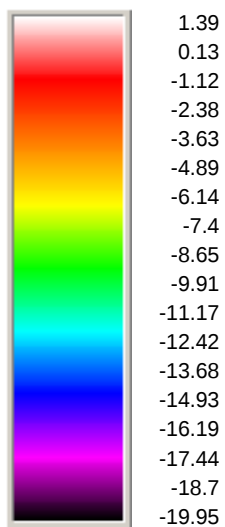
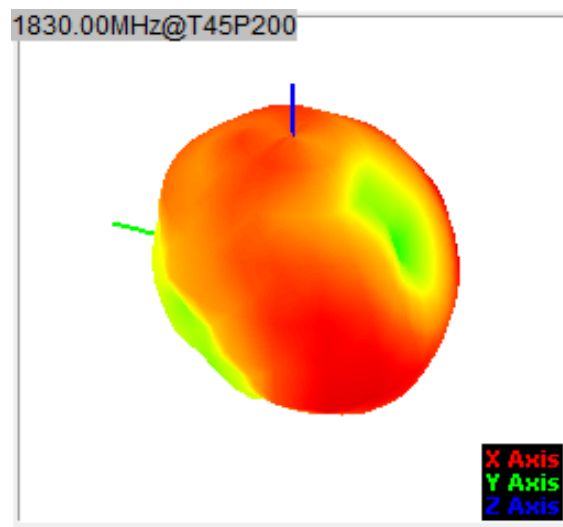
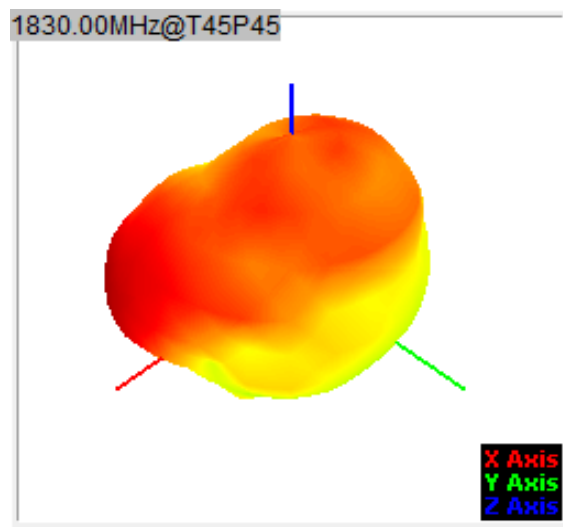
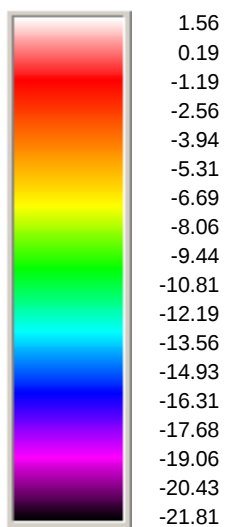


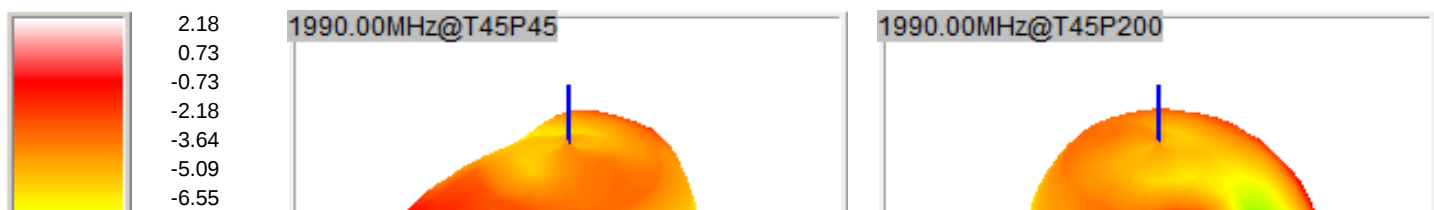
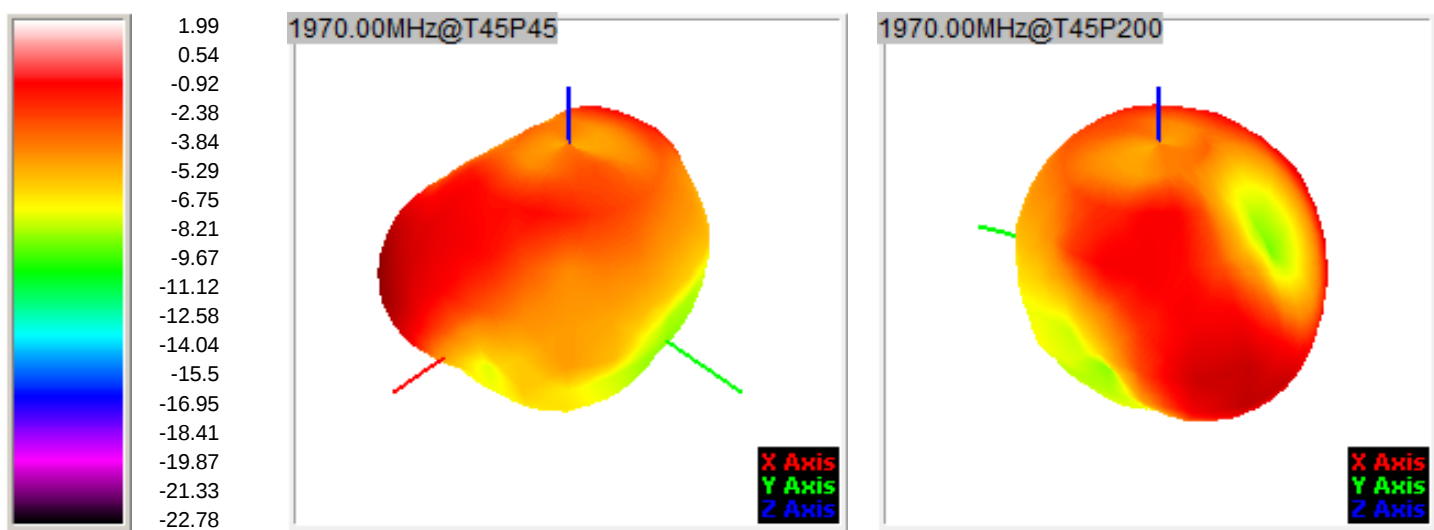
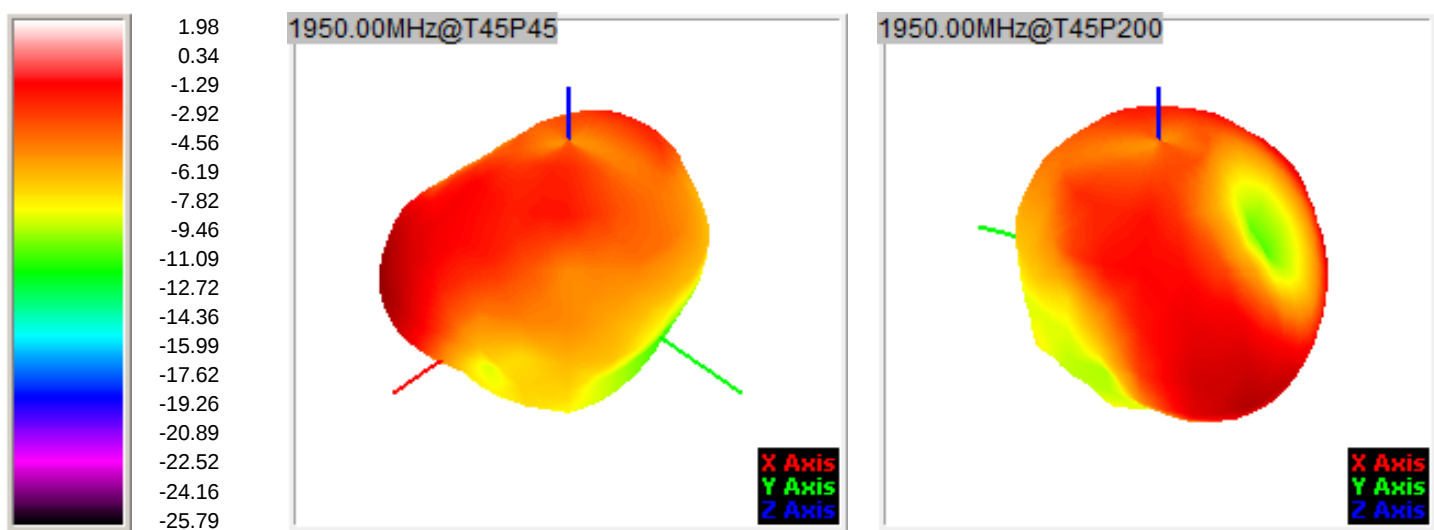
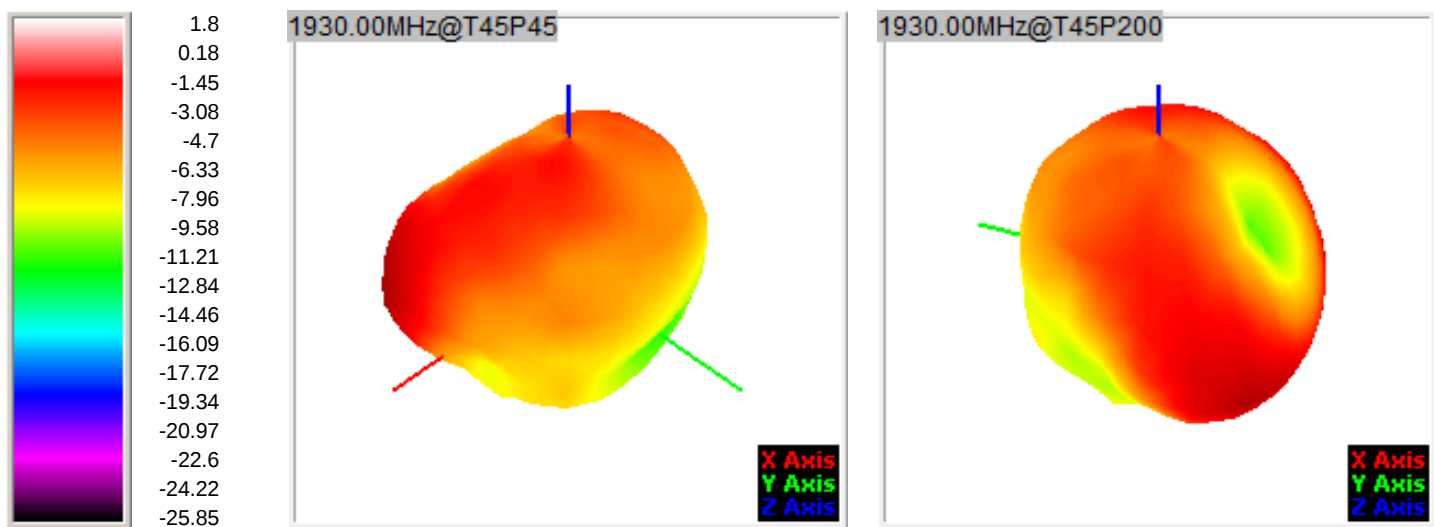
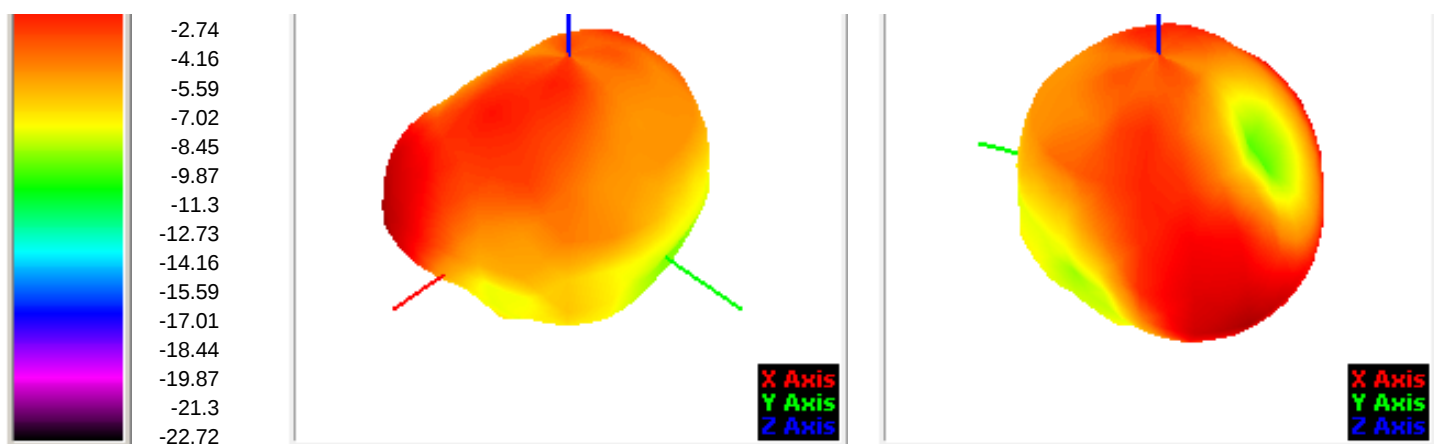
X Axis
Y Axis
Z Axis

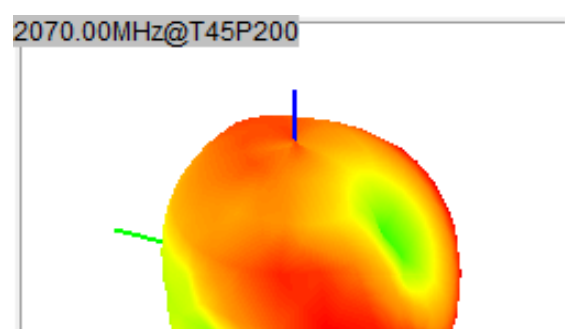
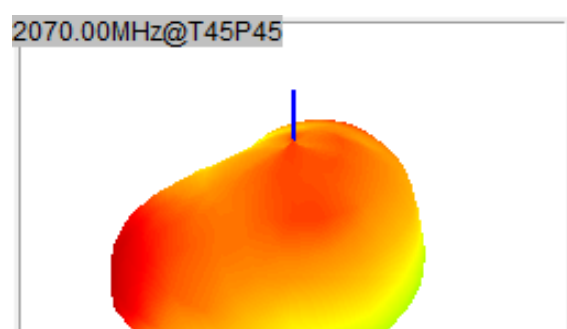
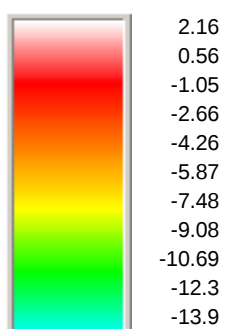
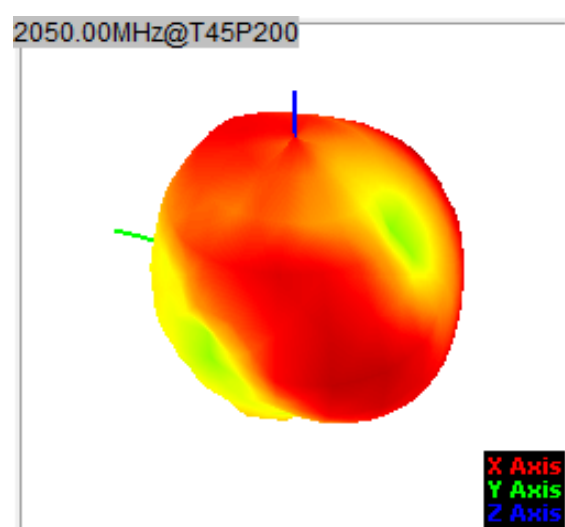
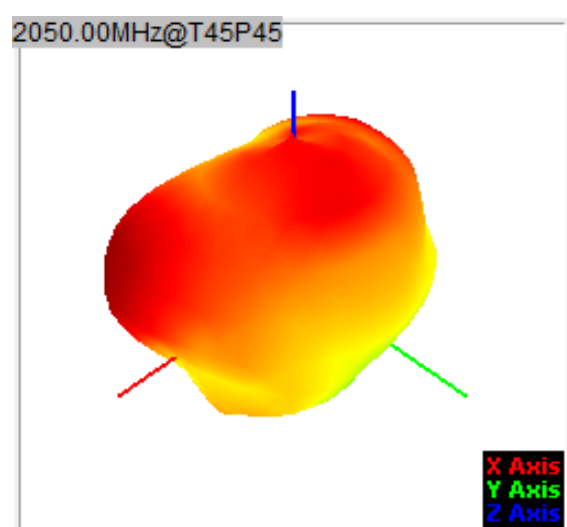
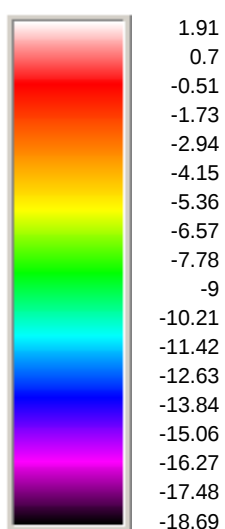
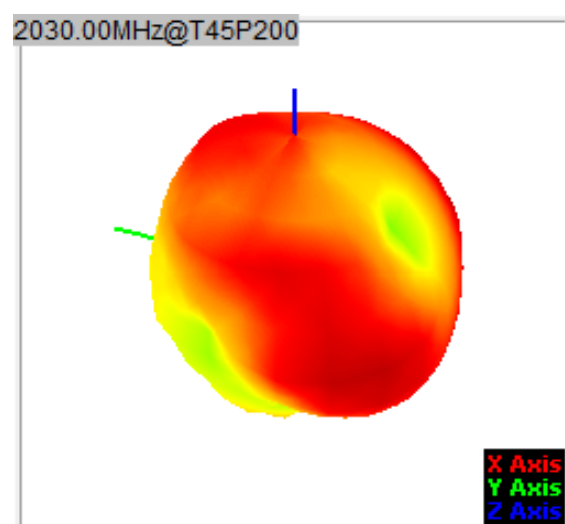
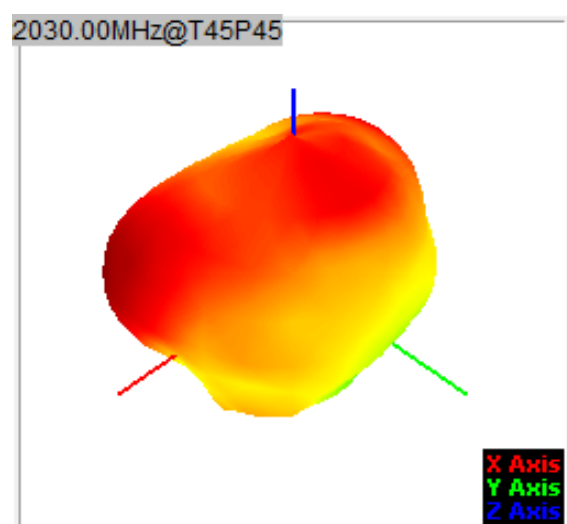
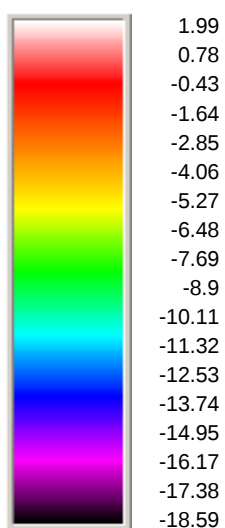
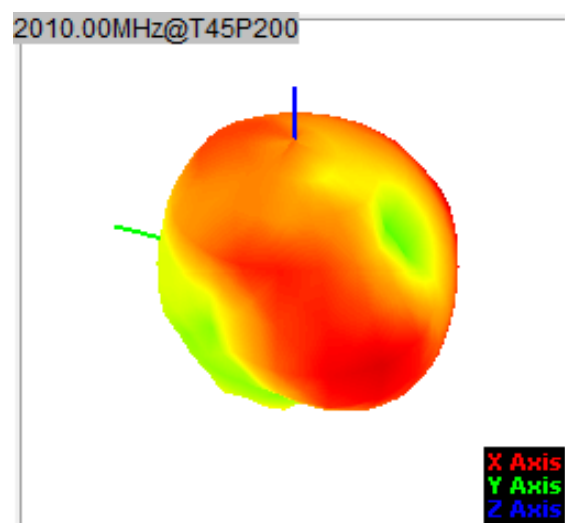
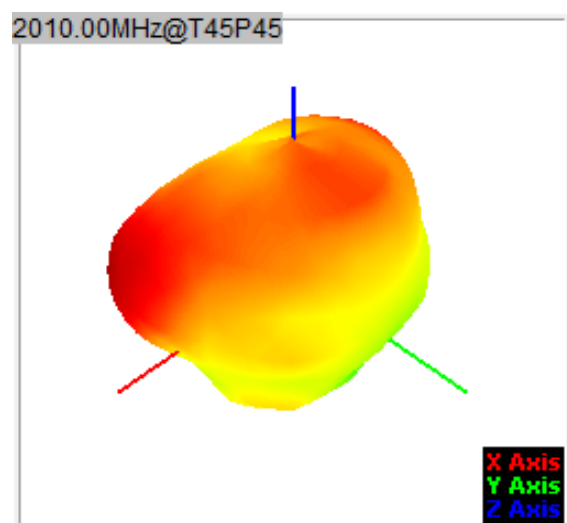
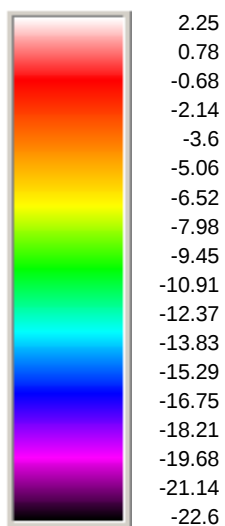
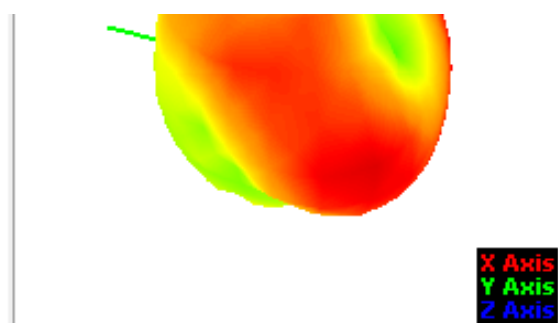
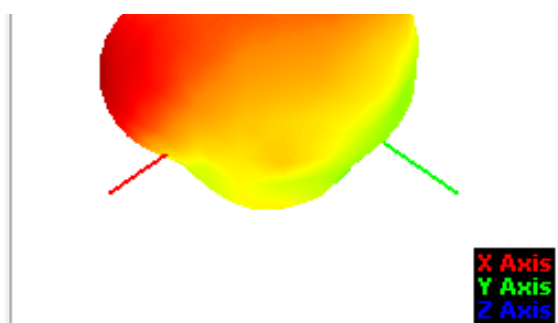
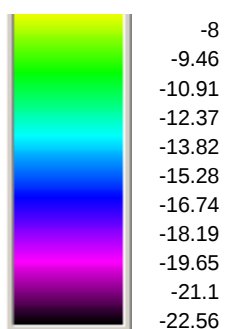
1810.00MHz@T45P200



X Axis
Y Axis
Z Axis

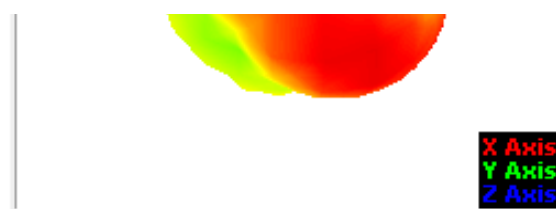
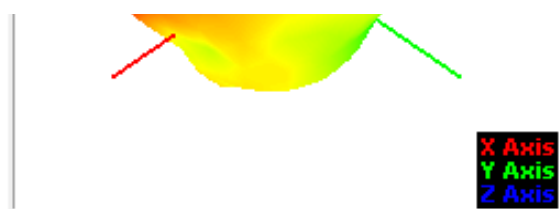




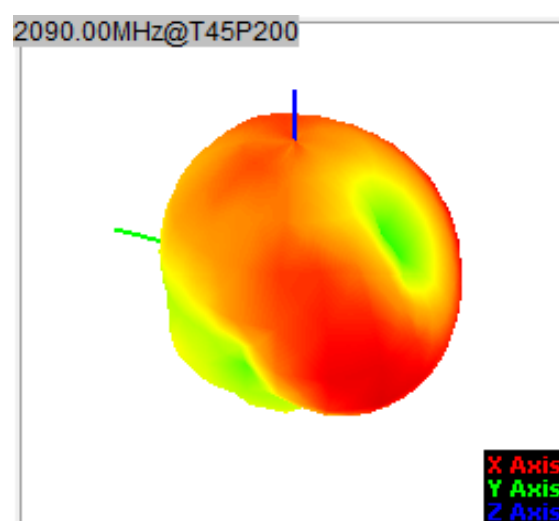
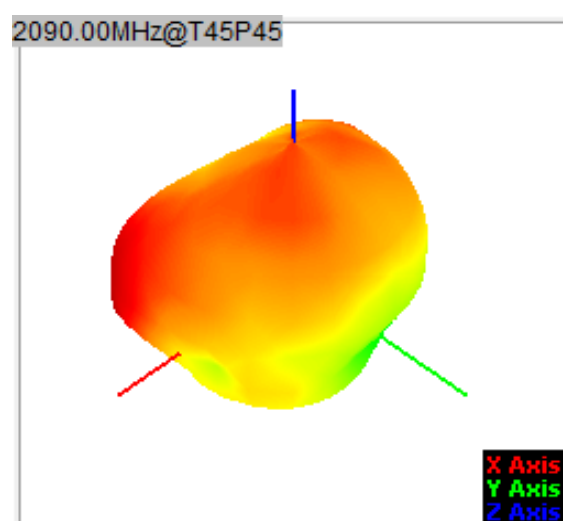




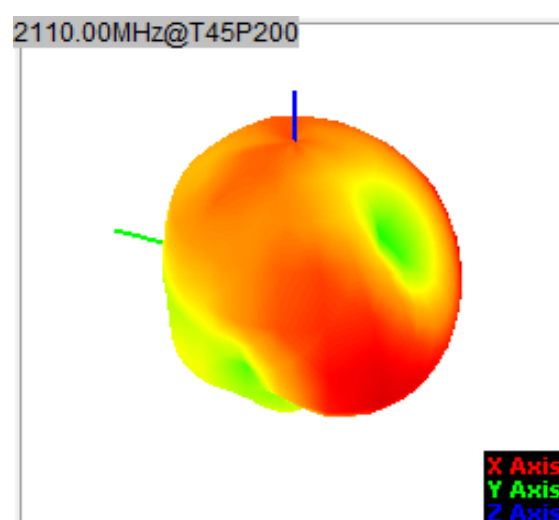
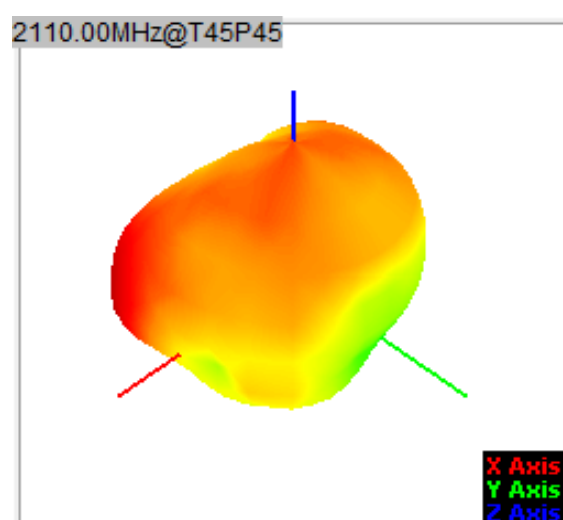
-15.51
-17.12
-18.72
-20.33
-21.94
-23.54
-25.15



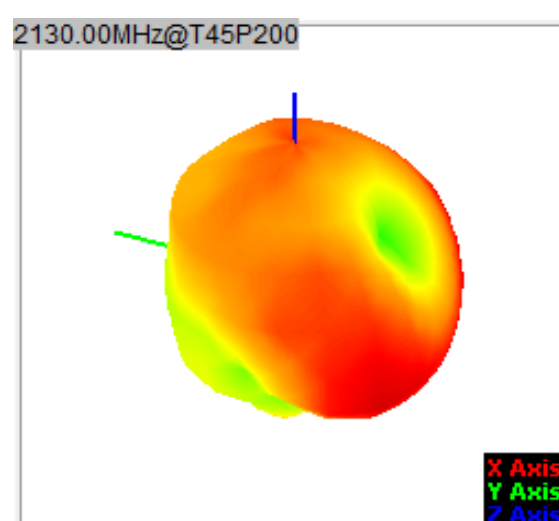
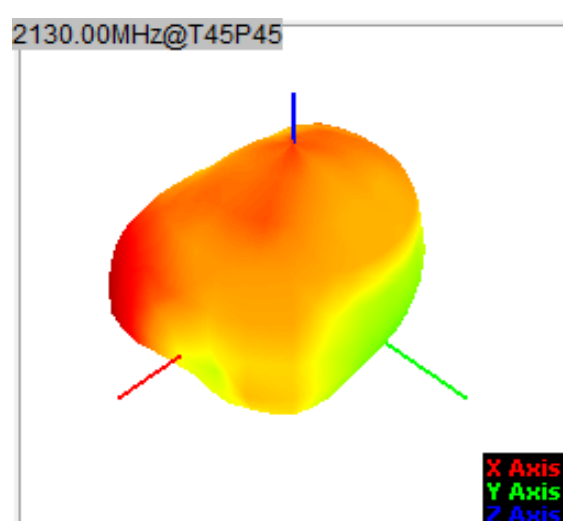
2.56
1.26
-0.04
-1.34
-2.64
-3.94
-5.23
-6.53
-7.83
-9.13
-10.43
-11.73
-13.03
-14.33
-15.63
-16.93
-18.23
-19.53



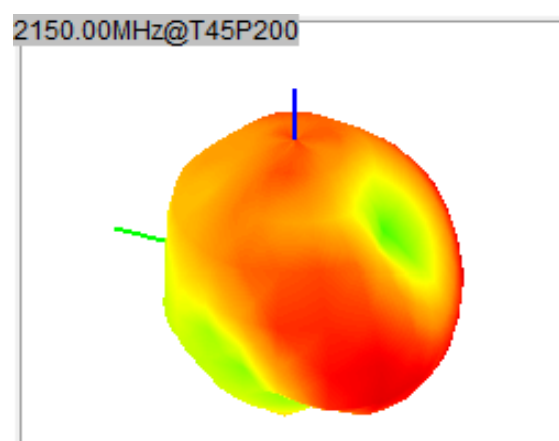
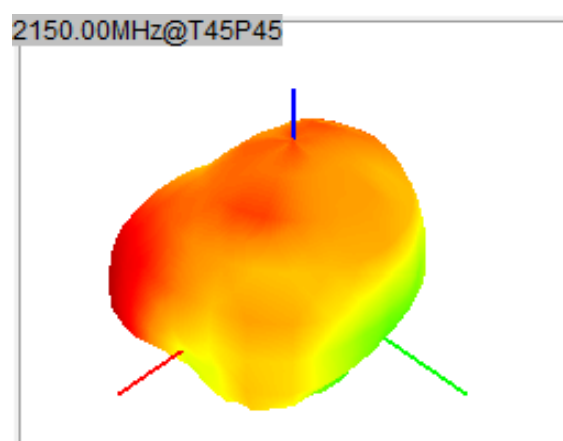
2.44
1.11
-0.23
-1.56
-2.9
-4.23
-5.57
-6.9
-8.24
-9.57
-10.91
-12.24
-13.58
-14.91
-16.25
-17.58
-18.92
-20.25



2.64
1.25
-0.14
-1.53
-2.92
-4.31
-5.7
-7.09
-8.48
-9.88
-11.27
-12.66
-14.05
-15.44
-16.83
-18.22
-19.61
-21



2.52
1.15
-0.22
-1.58
-2.95
-4.32
-5.68
-7.05
-8.42
-9.79
-11.15
-12.52
-13.89
-15.25
-16.62

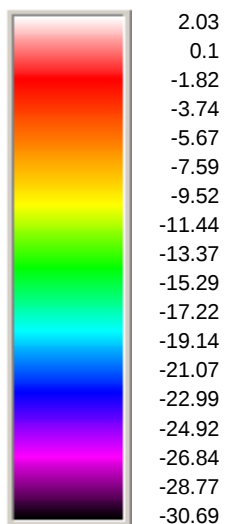




-17.99
-19.35
-20.72

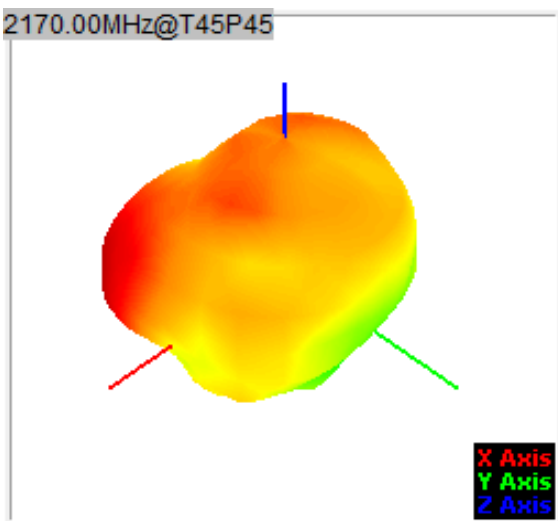
X Axis
Y Axis
Z Axis

X Axis
Y Axis
Z Axis



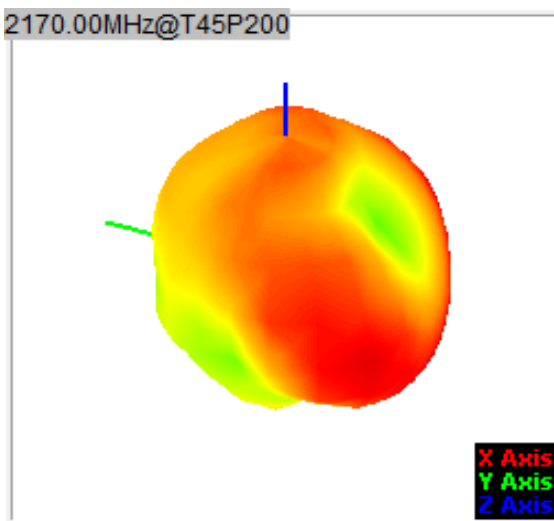
2.03
0.1
-1.82
-3.74
-5.67
-7.59
-9.52
-11.44
-13.37
-15.29
-17.22
-19.14
-21.07
-22.99
-24.92
-26.84
-28.77
-30.69

2170.00MHz@T45P45

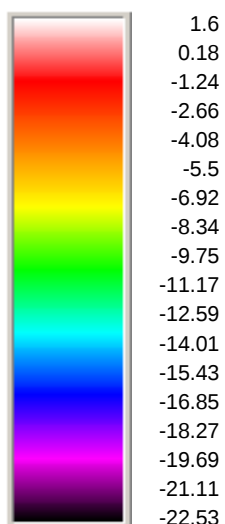


X Axis
Y Axis
Z Axis

2170.00MHz@T45P200

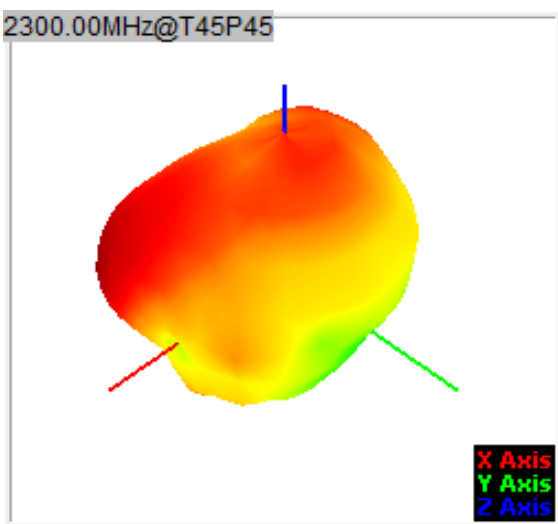


X Axis
Y Axis
Z Axis



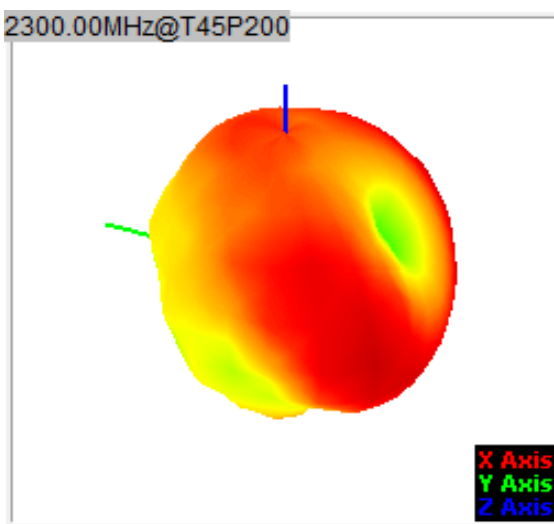
1.6
0.18
-1.24
-2.66
-4.08
-5.5
-6.92
-8.34
-9.75
-11.17
-12.59
-14.01
-15.43
-16.85
-18.27
-19.69
-21.11
-22.53

2300.00MHz@T45P45

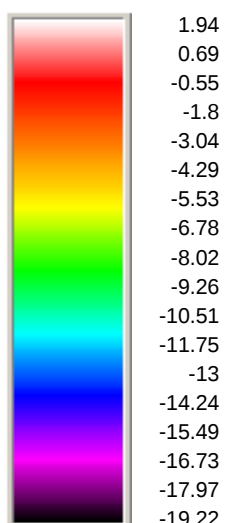


X Axis
Y Axis
Z Axis

2300.00MHz@T45P200

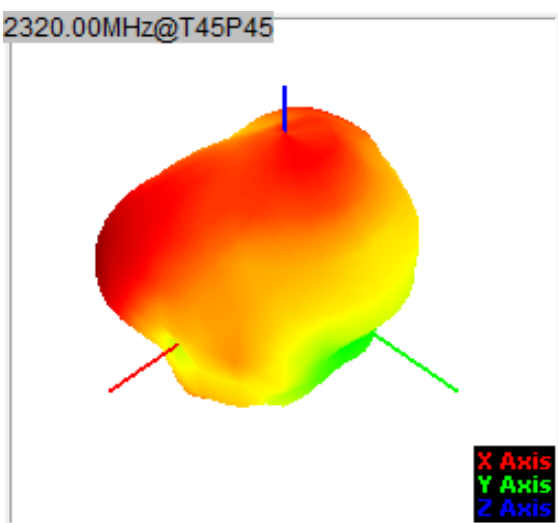


X Axis
Y Axis
Z Axis



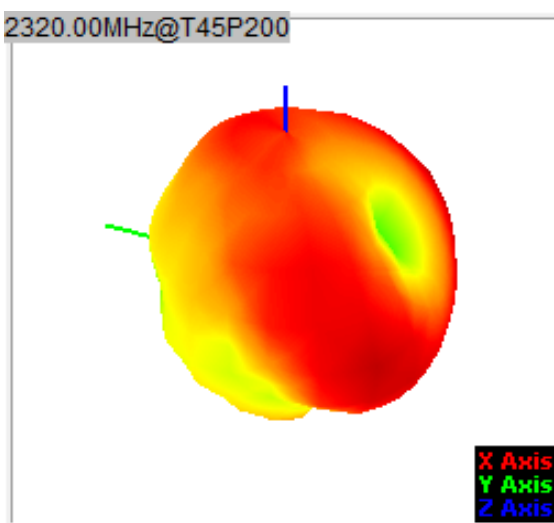
1.94
0.69
-0.55
-1.8
-3.04
-4.29
-5.53
-6.78
-8.02
-9.26
-10.51
-11.75
-13
-14.24
-15.49
-16.73
-17.97
-19.22

2320.00MHz@T45P45

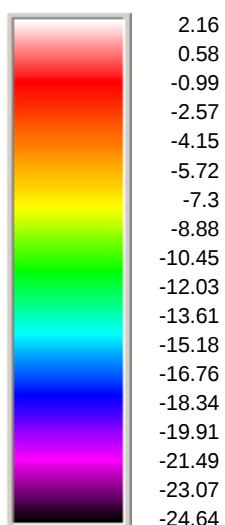


X Axis
Y Axis
Z Axis

2320.00MHz@T45P200

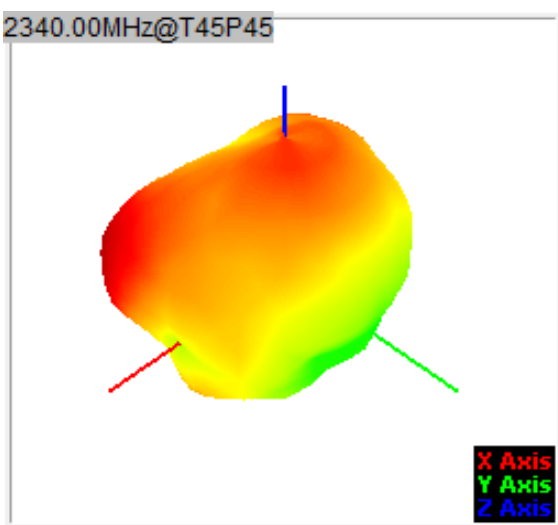


X Axis
Y Axis
Z Axis



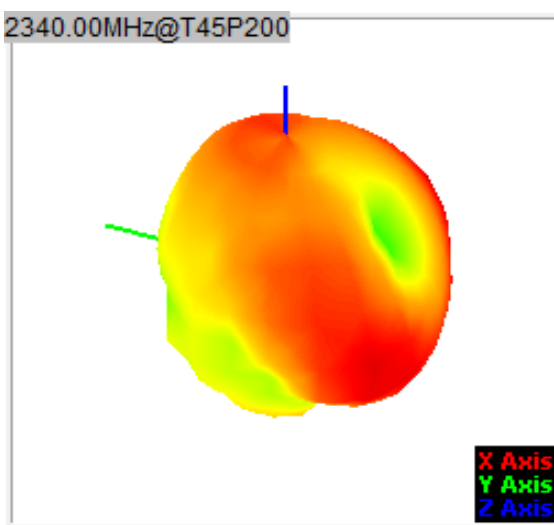
2.16
0.58
-0.99
-2.57
-4.15
-5.72
-7.3
-8.88
-10.45
-12.03
-13.61
-15.18
-16.76
-18.34
-19.91
-21.49
-23.07
-24.64

2340.00MHz@T45P45



X Axis
Y Axis
Z Axis

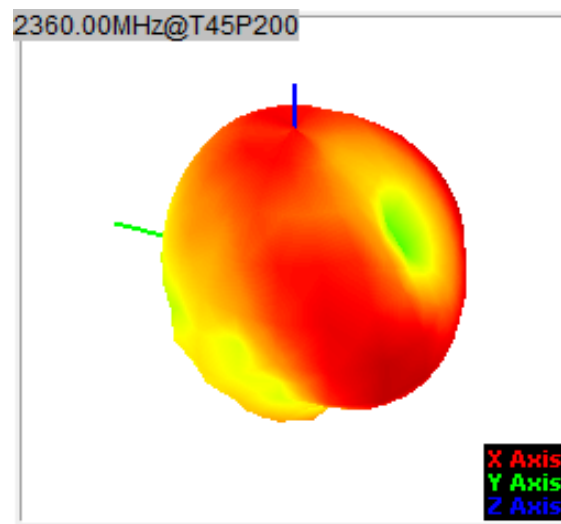
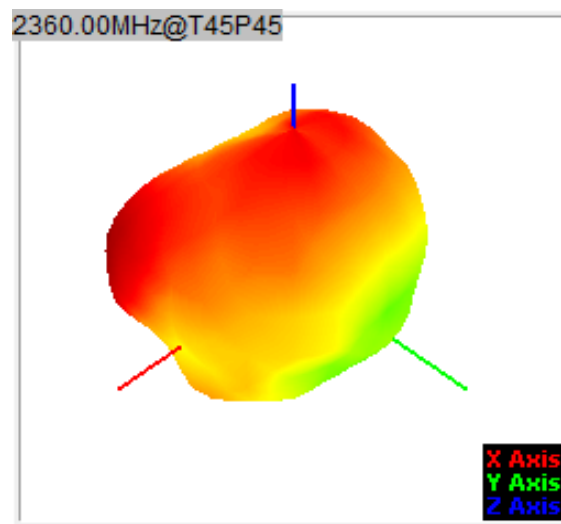
2340.00MHz@T45P200



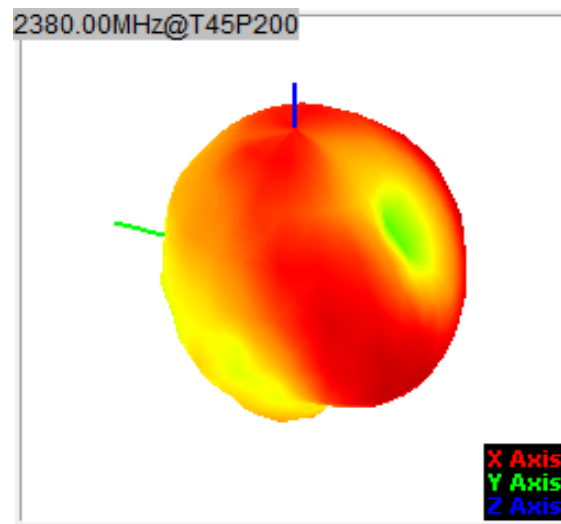
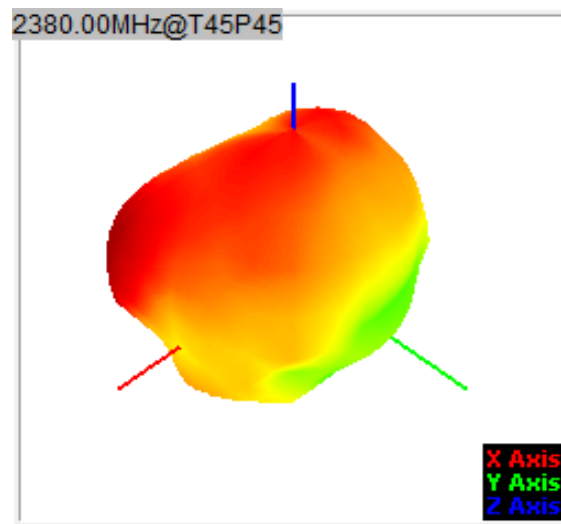
X Axis
Y Axis
Z Axis



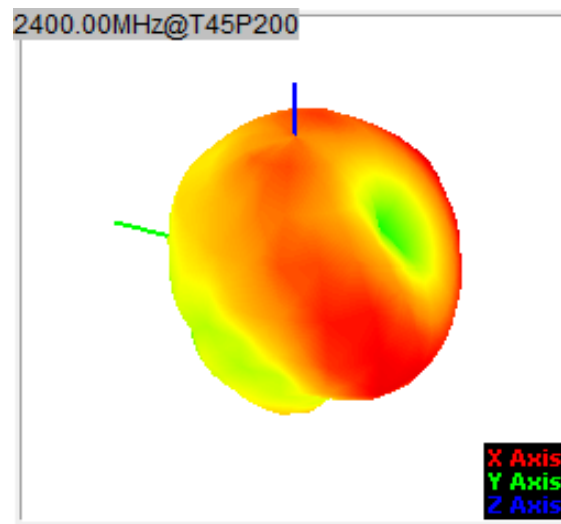
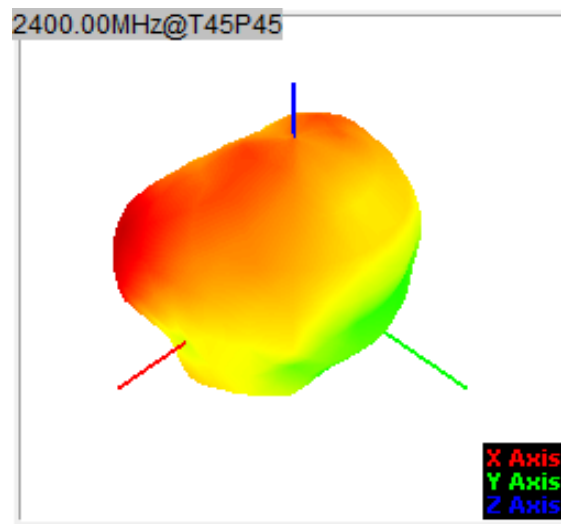
1.96
0.55
-0.86
-2.27
-3.68
-5.08
-6.49
-7.9
-9.31
-10.72
-12.13
-13.53
-14.94
-16.35
-17.76
-19.17
-20.58
-21.98



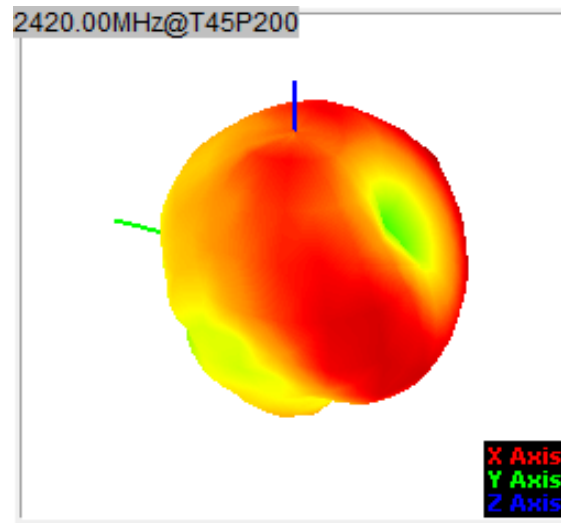
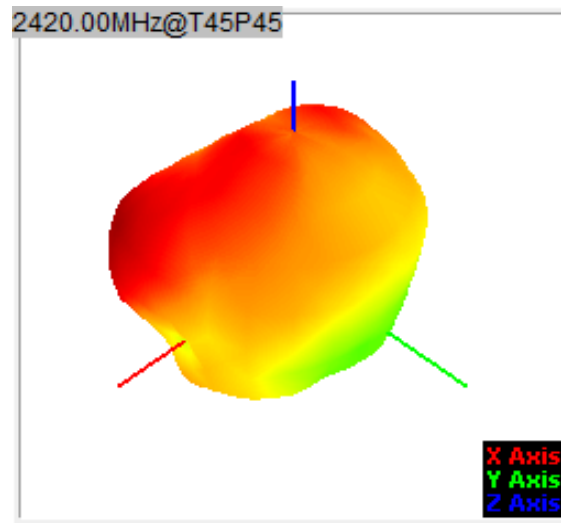
1.82
0.45
-0.93
-2.3
-3.67
-5.05
-6.42
-7.79
-9.17
-10.54
-11.91
-13.28
-14.66
-16.03
-17.4
-18.78
-20.15
-21.52



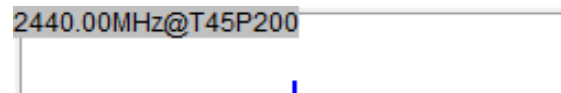
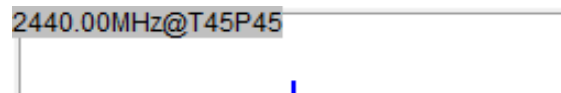
2.02
0.66
-0.7
-2.06
-3.43
-4.79
-6.15
-7.51
-8.87
-10.23
-11.59
-12.96
-14.32
-15.68
-17.04
-18.4
-19.76
-21.12

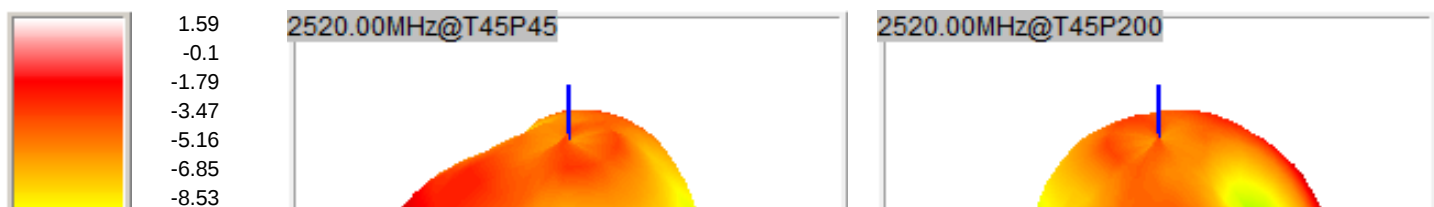
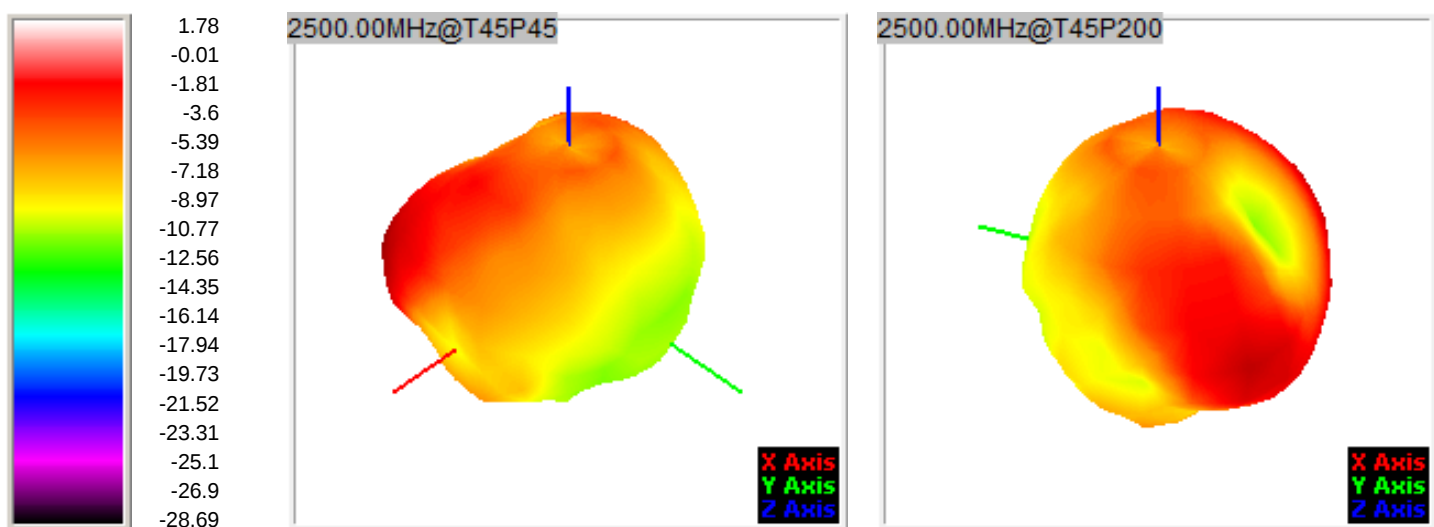
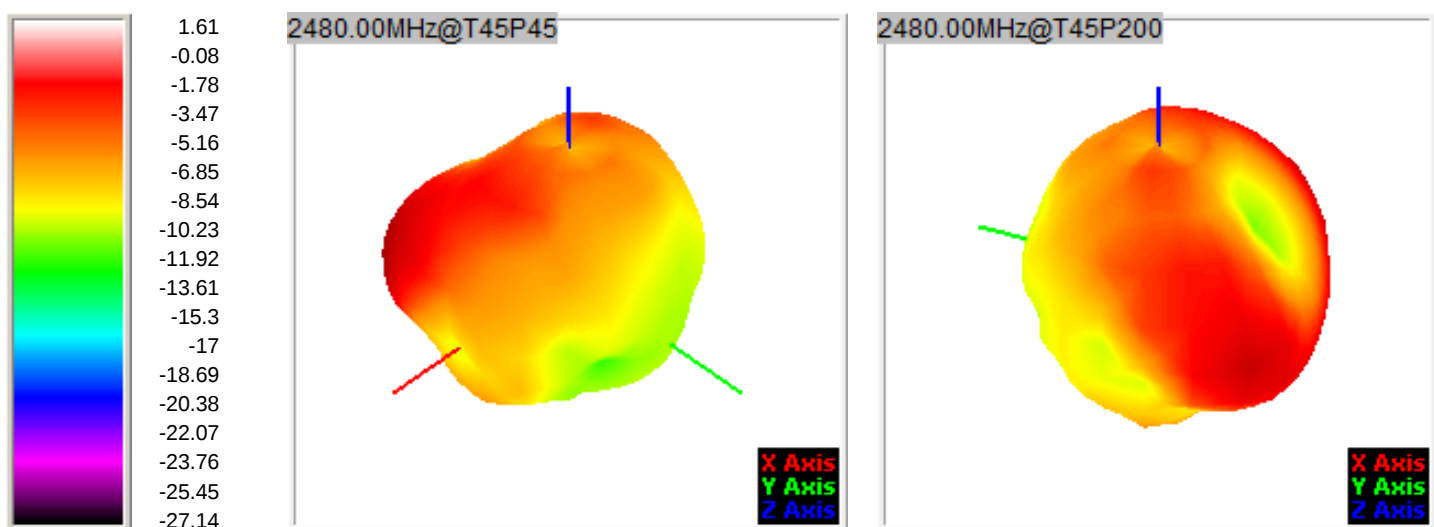
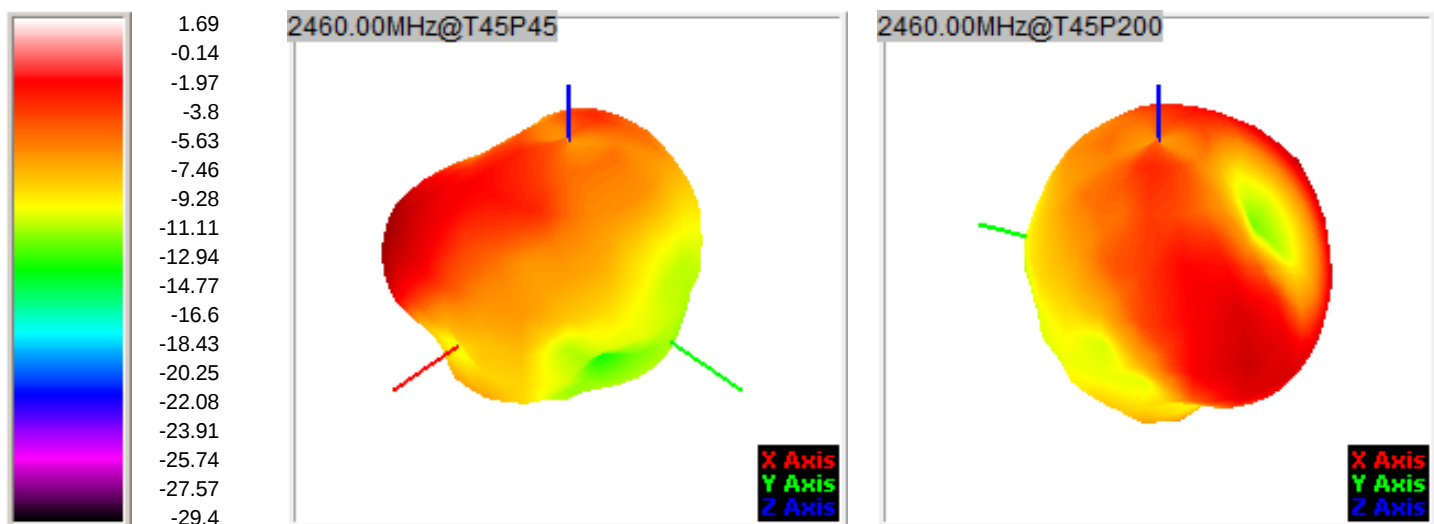
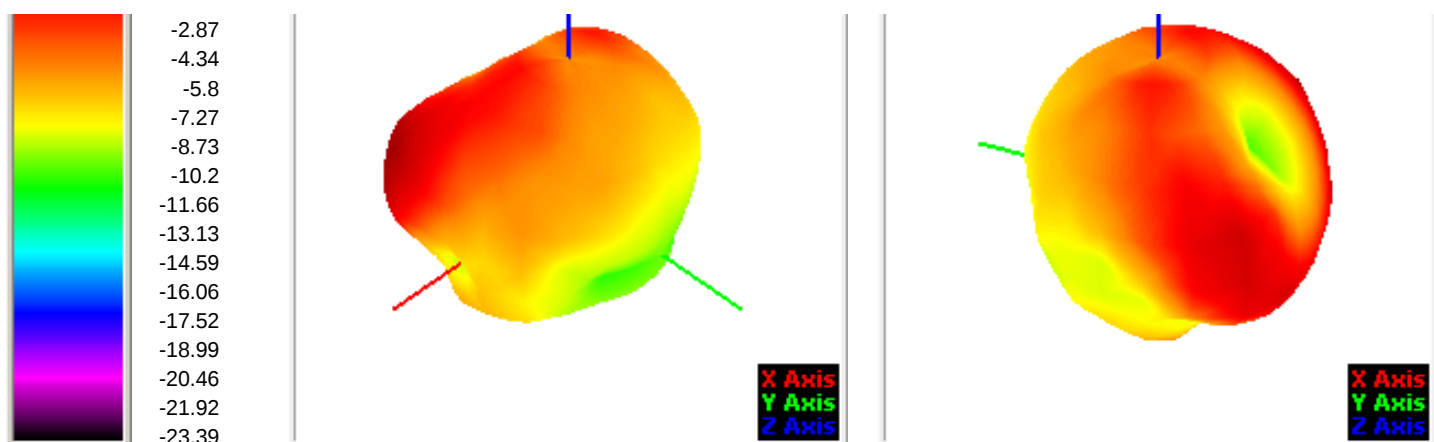


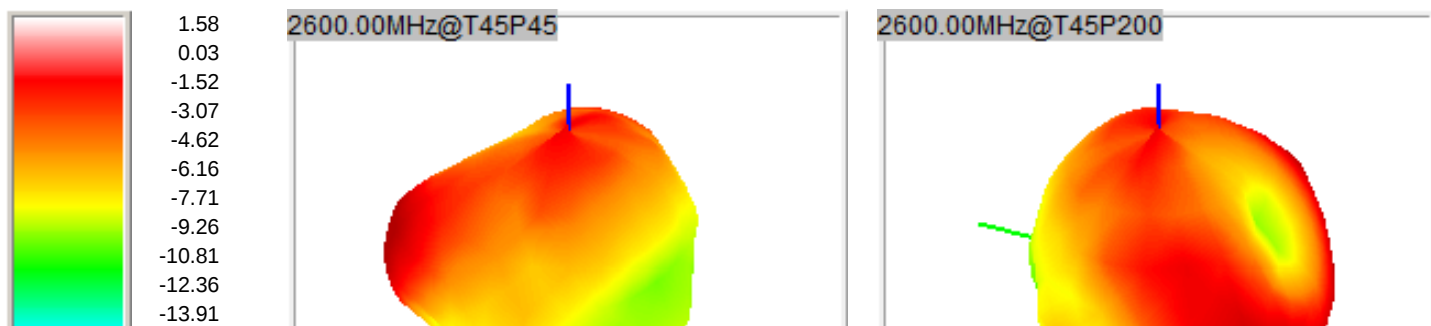
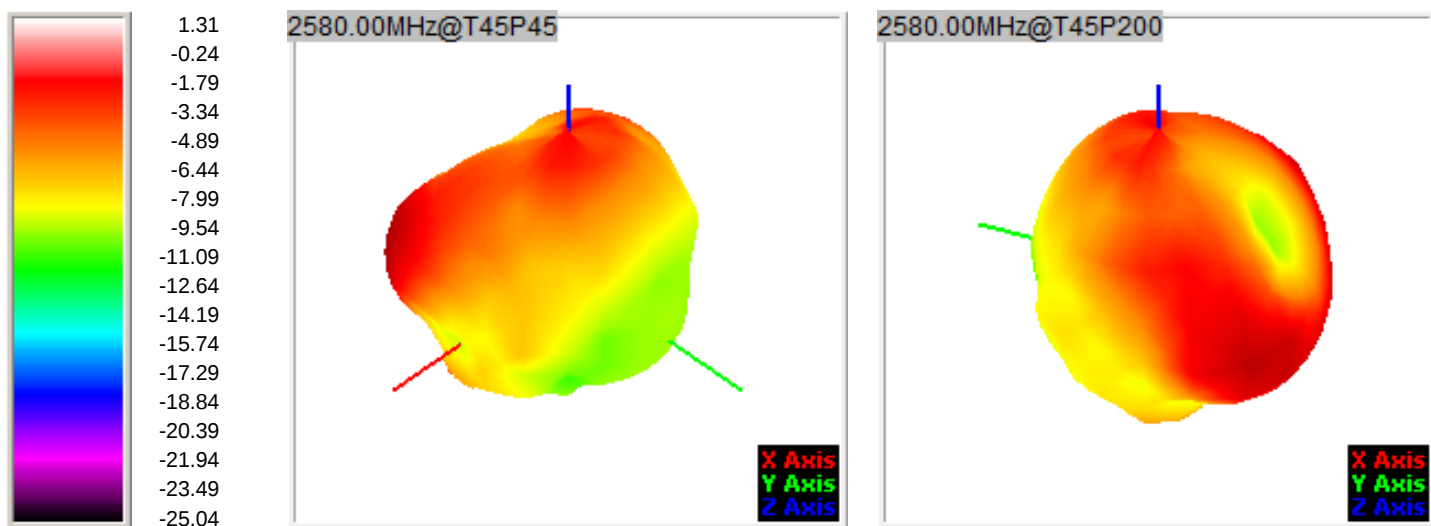
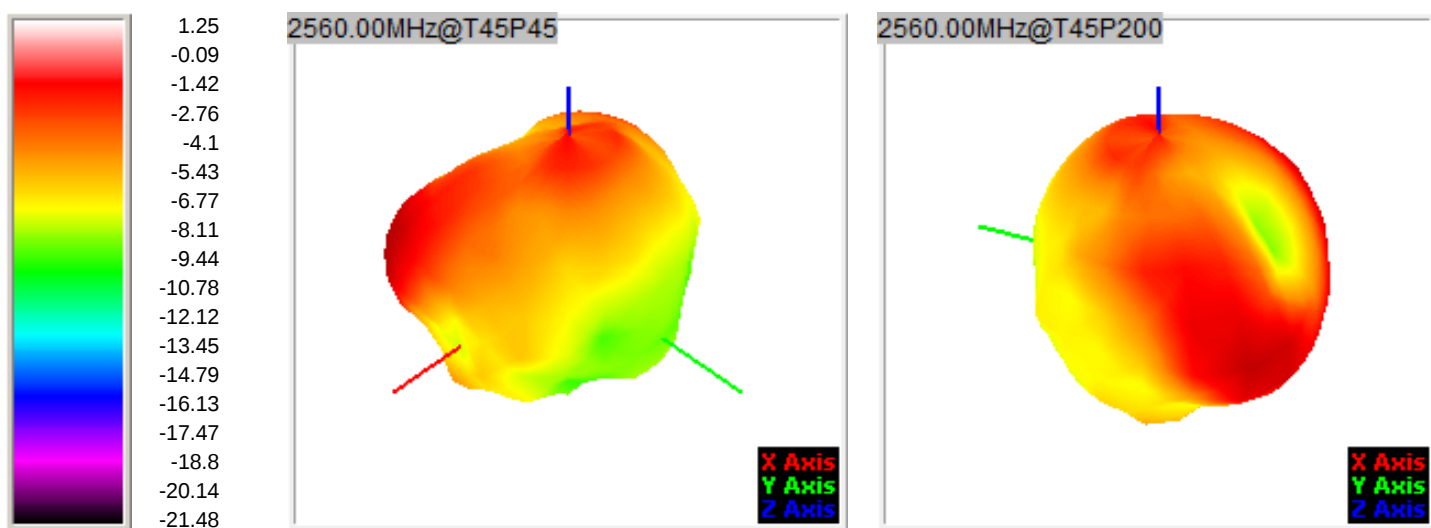
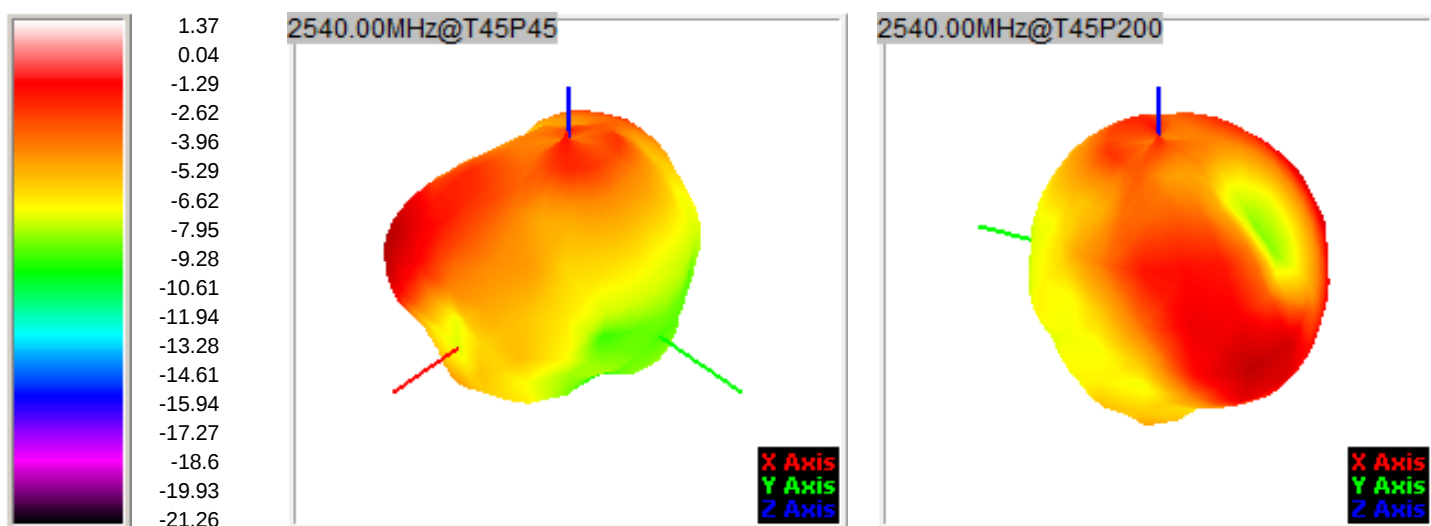
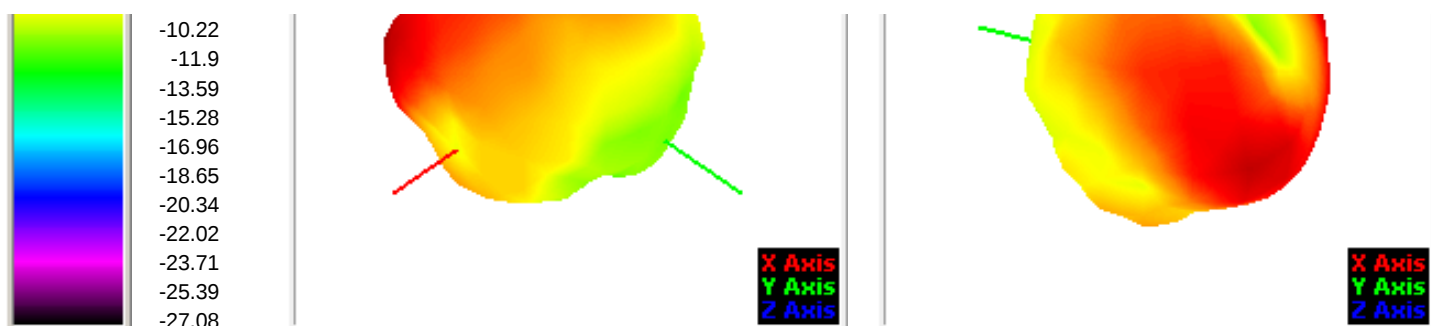
1.92
0.47
-0.97
-2.41
-3.86
-5.3
-6.74
-8.19
-9.63
-11.07
-12.52
-13.96
-15.4
-16.85
-18.29
-19.73
-21.18
-22.62

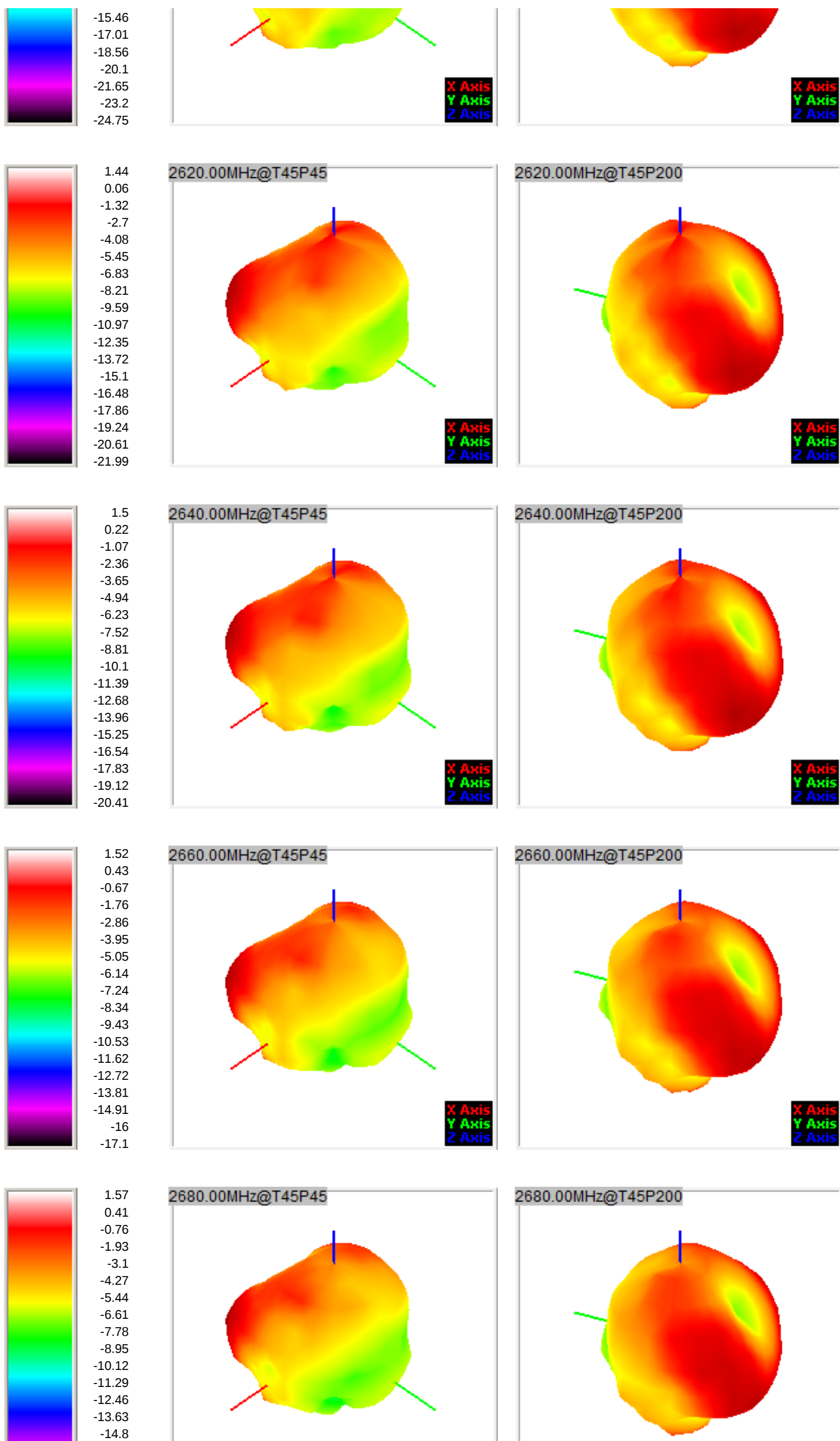


1.52
0.06
-1.41





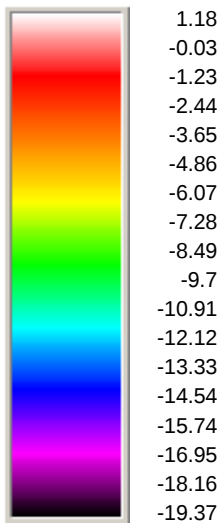




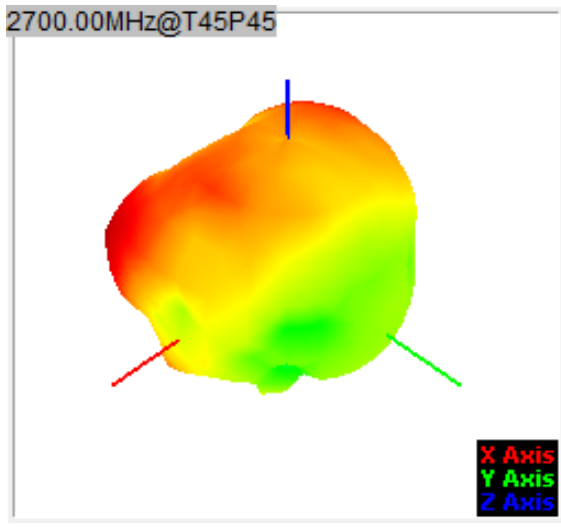


X Axis
Y Axis
Z Axis

X Axis
Y Axis
Z Axis



2700.00MHz@T45P45



2700.00MHz@T45P200

