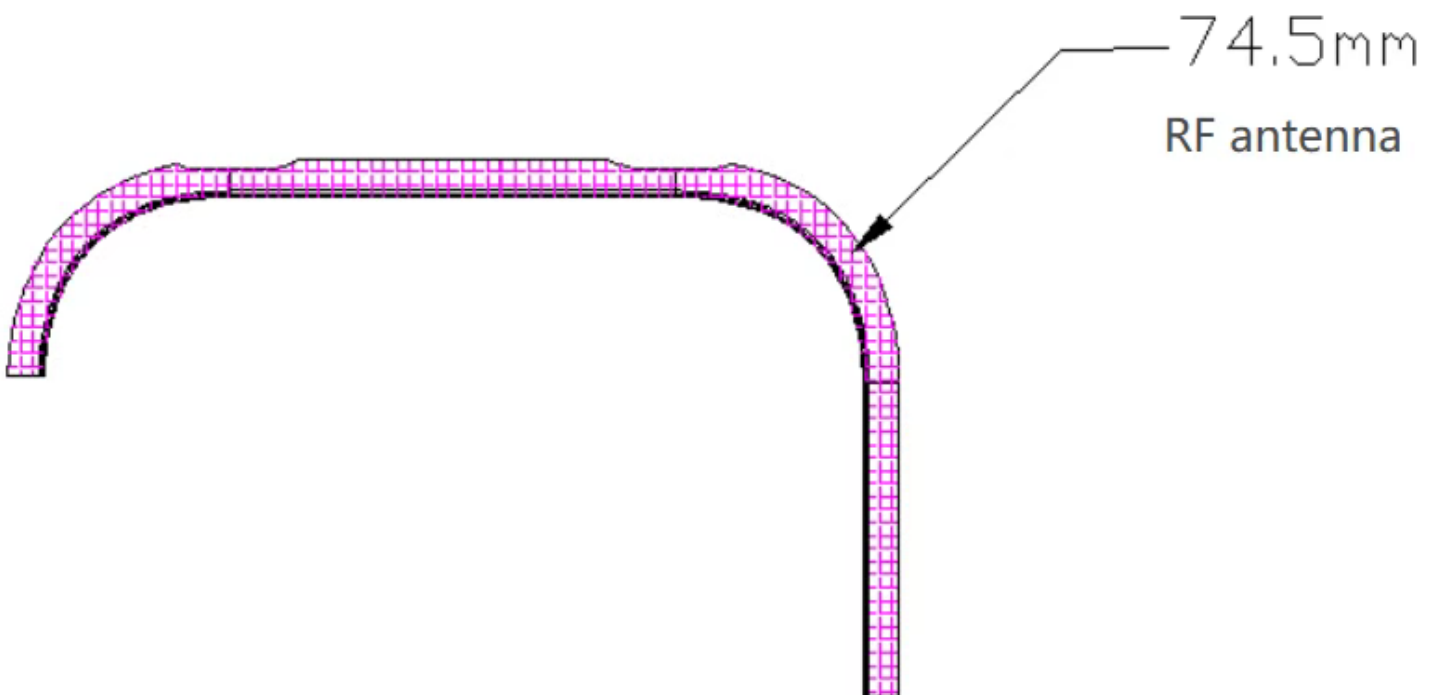


Inverted F Antenna Specification

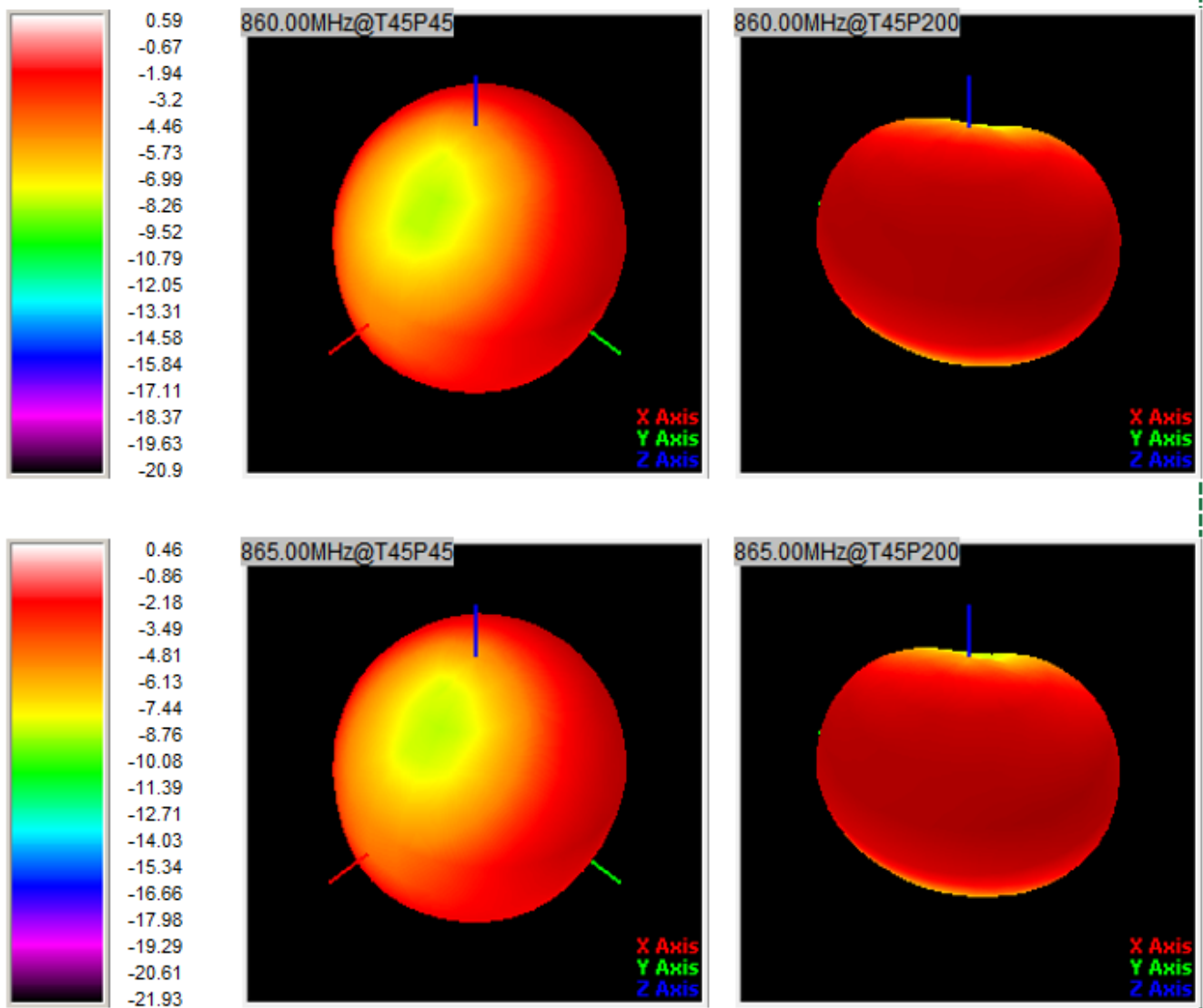
Summary

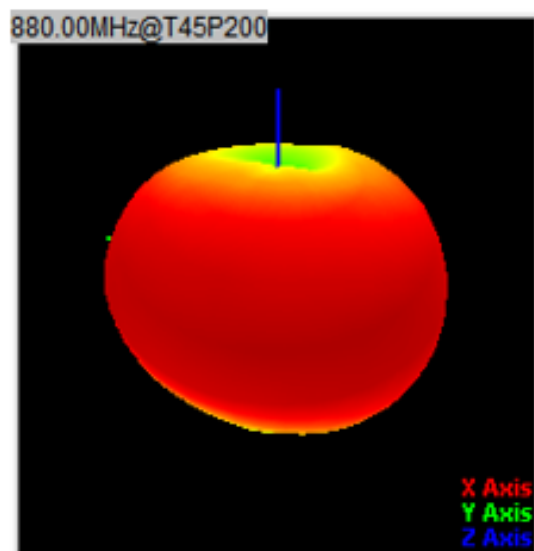
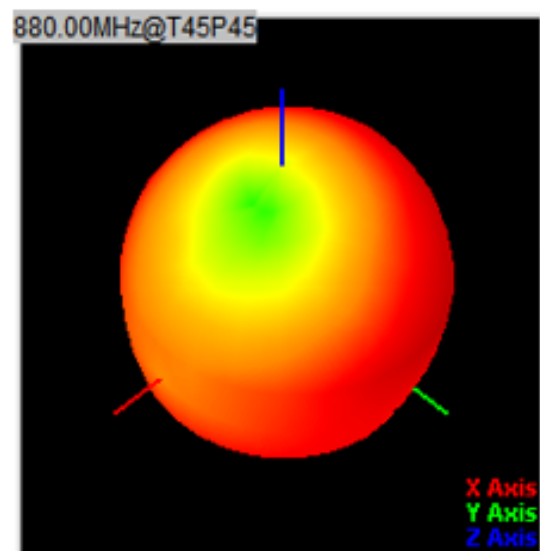
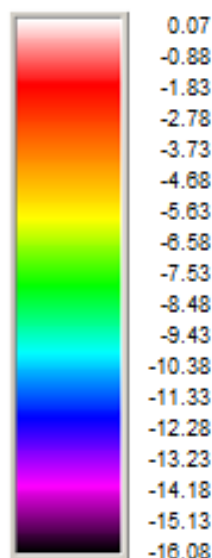
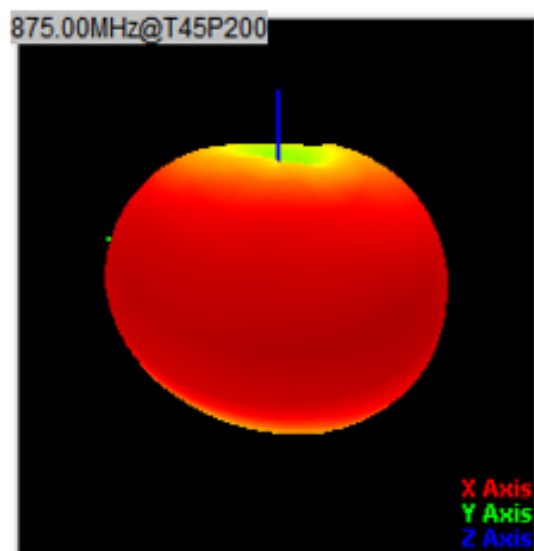
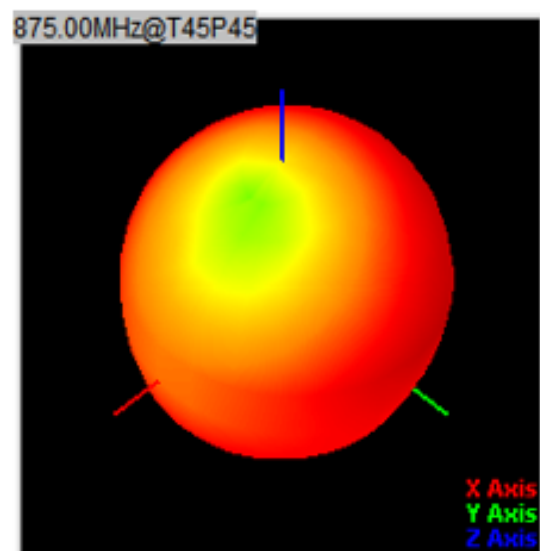
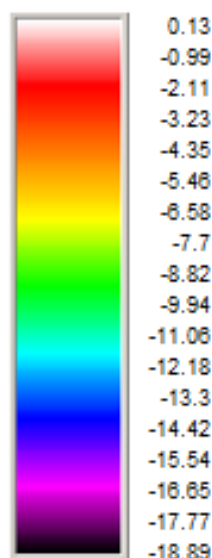
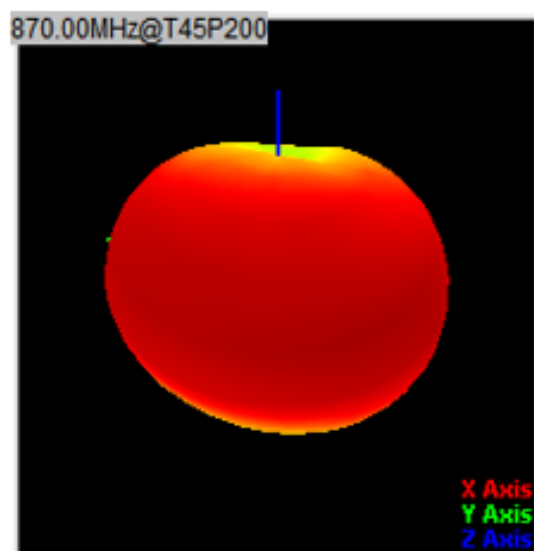
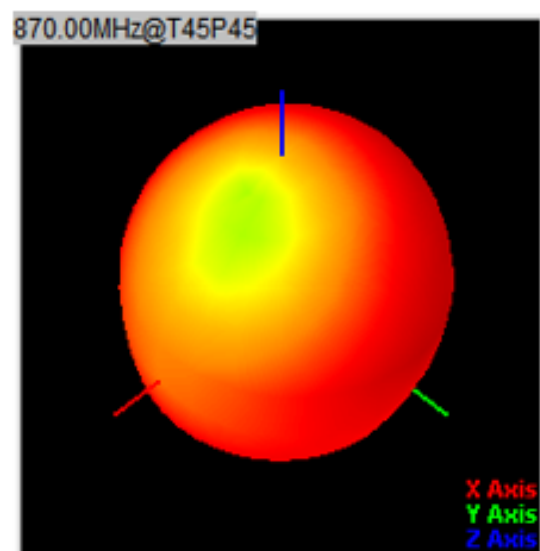
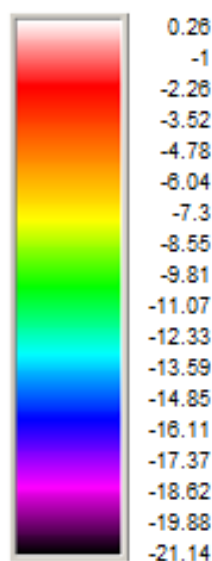
ITEM	ANT SPEC
Model Name	868-915MHz ANT
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
Antenna Length	37.38mm
Antenna type	Internal antenna
Manufacture	Yichip Microelectronics (Hangzhou) Co.,Ltd.
Address	Room 501, 5th Floor, Area A, Building 1, No. 57, Jiang Er Road, Changhe Sub-district, Binjiang District, Hangzhou City, Zhejiang Province
Test Instrument	Keysight E5071B

Antenna Photo & Length (mm)



Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13
Frequency (MHz)	860.0	865.0	870.0	875.0	880.0	885.0	890.0	895.0	900.0	905.0	910.0	915.0	920.0
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
Tot. Rad. Pwr. (dBm)	-3.01	-3.04	-3.19	-3.33	-3.41	-3.57	-3.69	-3.69	-3.74	-3.99	-4.03	-4.12	-4.30
Peak EIRP (dBm)	0.59	0.46	0.26	0.13	0.07	-0.01	-0.05	0.01	0.01	-0.10	-0.07	-0.13	-0.27
Directivity (dBi)	3.60	3.50	3.45	3.46	3.48	3.56	3.64	3.70	3.75	3.89	3.96	3.99	4.03
Efficiency (dB)	-3.01	-3.04	-3.19	-3.33	-3.41	-3.57	-3.69	-3.69	-3.74	-3.99	-4.03	-4.12	-4.30
Efficiency (%)	50.00	49.60	47.90	46.50	45.60	44.00	42.80	42.70	42.30	39.90	39.60	38.70	37.10
Gain (dBi)	0.59	0.46	0.26	0.13	0.07	-0.01	-0.05	0.01	0.01	-0.10	-0.07	-0.13	-0.27
NHPRP $\pm\pi/4$ (dBm)	-4.05	-4.06	-4.16	-4.25	-4.30	-4.43	-4.56	-4.59	-4.67	-4.95	-5.02	-5.15	-5.36
NHPRP $\pm\pi/6$ (dBm)	-5.33	-5.32	-5.41	-5.47	-5.50	-5.62	-5.74	-5.78	-5.86	-6.16	-6.25	-6.39	-6.62
NHPRP $\pm\pi/8$ (dBm)	-6.33	-6.31	-6.38	-6.41	-6.43	-6.54	-6.65	-6.69	-6.78	-7.08	-7.17	-7.32	-7.55
Upper Hem. PRP (dBm)	-4.79	-4.85	-5.05	-5.25	-5.41	-5.62	-5.74	-5.72	-5.69	-5.87	-5.83	-5.86	-5.98
Lower Hem. PRP (dBm)	-7.74	-7.73	-7.77	-7.78	-7.74	-7.82	-7.92	-7.99	-8.15	-8.55	-8.72	-8.95	-9.24
Upper Hem. PRP (%)	33.17	32.74	31.24	29.84	28.75	27.43	26.66	26.82	26.97	25.90	26.14	25.96	25.21
Lower Hem. PRP (%)	16.83	16.88	16.70	16.66	16.82	16.53	16.13	15.90	15.31	13.98	13.41	12.73	11.91

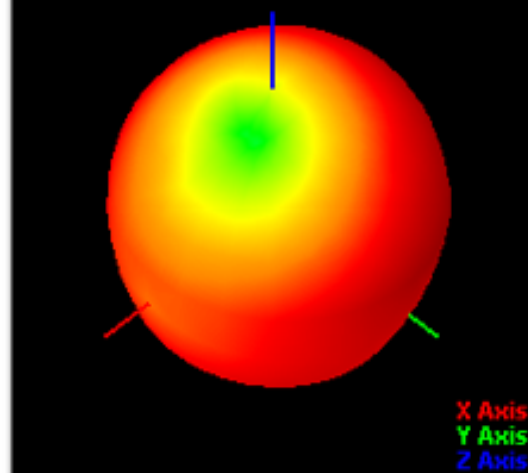




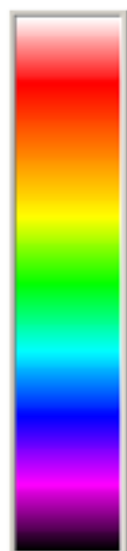
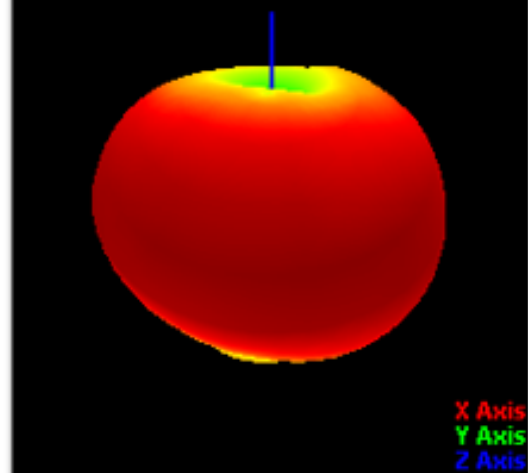


-0.01
-0.91
-1.81
-2.7
-3.6
-4.5
-5.39
-6.29
-7.19
-8.08
-8.98
-9.88
-10.78
-11.67
-12.57
-13.47
-14.36
-15.26

885.00MHz@T45P45

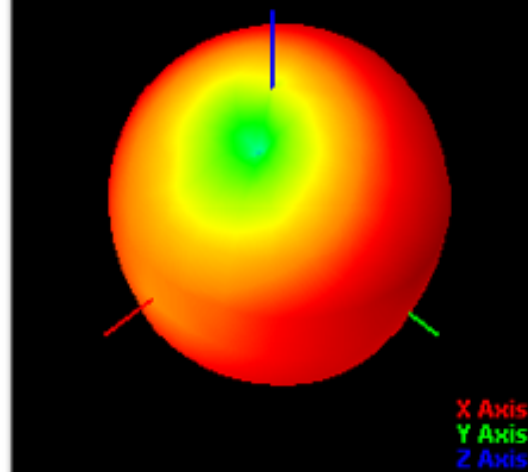


885.00MHz@T45P200

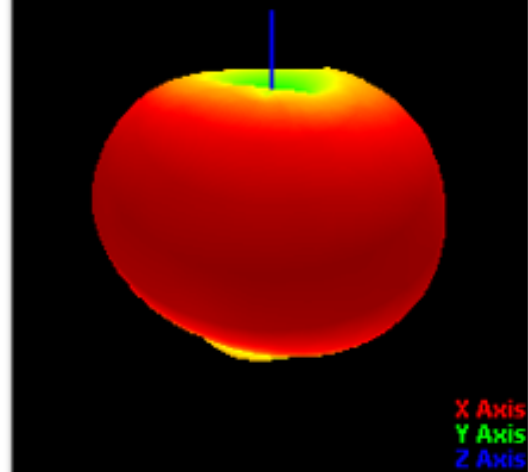


-0.05
-1.17
-2.29
-3.41
-4.52
-5.64
-6.76
-7.88
-9
-10.11
-11.23
-12.35
-13.47
-14.59
-15.71
-16.82
-17.94
-19.06

890.00MHz@T45P45

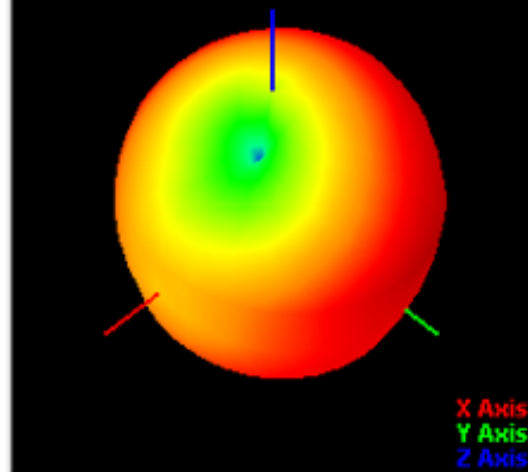


890.00MHz@T45P200

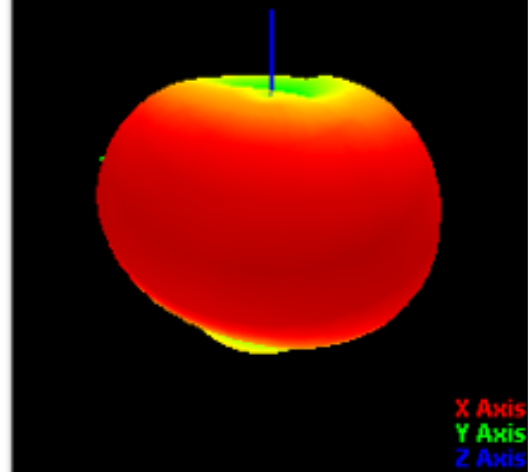


0.01
-1.17
-2.34
-3.51
-4.68
-5.86
-7.03
-8.2
-9.38
-10.55
-11.72
-12.9
-14.07
-15.24
-16.42
-17.59
-18.76
-19.94

895.00MHz@T45P45



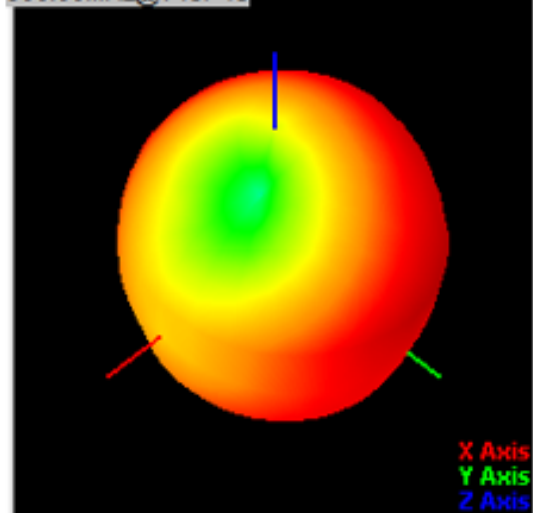
895.00MHz@T45P200



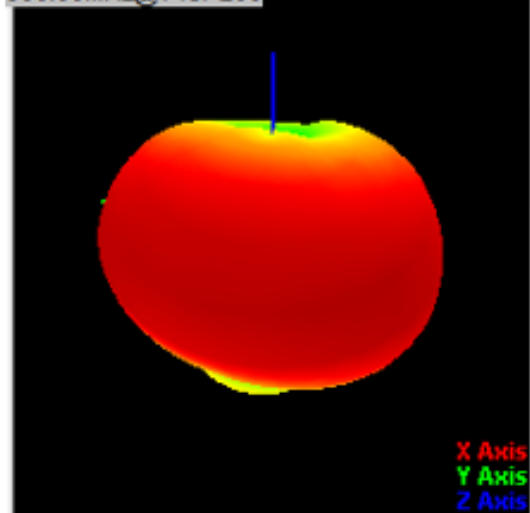


0.01
-1.01
-2.02
-3.04
-4.06
-5.08
-6.09
-7.11
-8.13
-9.14
-10.16
-11.18
-12.2
-13.21
-14.23
-15.25
-16.26
-17.28

900.00MHz@T45P45

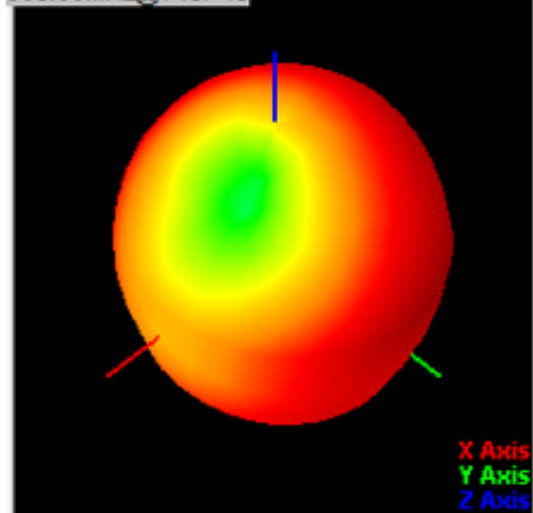


900.00MHz@T45P200

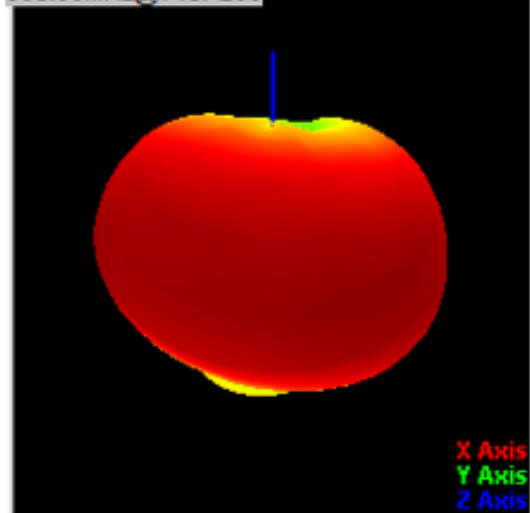


-0.1
-1.06
-2.02
-2.97
-3.93
-4.89
-5.84
-6.8
-7.75
-8.71
-9.67
-10.62
-11.58
-12.53
-13.49
-14.45
-15.4
-16.36

905.00MHz@T45P45

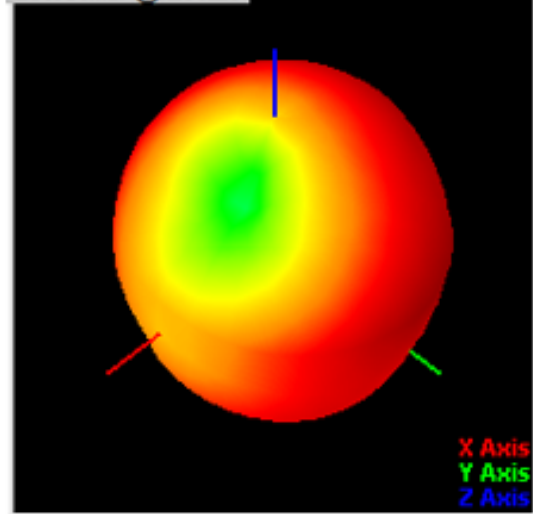


905.00MHz@T45P200



-0.07
-1.03
-1.99
-2.95
-3.91
-4.86
-5.82
-6.78
-7.74
-8.7
-9.65
-10.61
-11.57
-12.53
-13.49
-14.45
-15.4
-16.36

910.00MHz@T45P45



910.00MHz@T45P200

