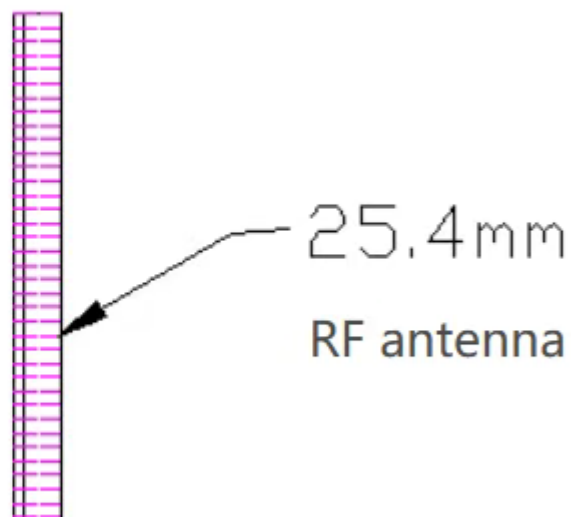


Inverted F Antenna Specification

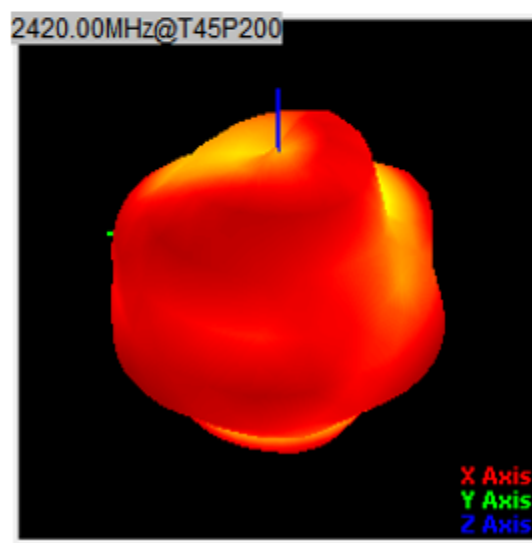
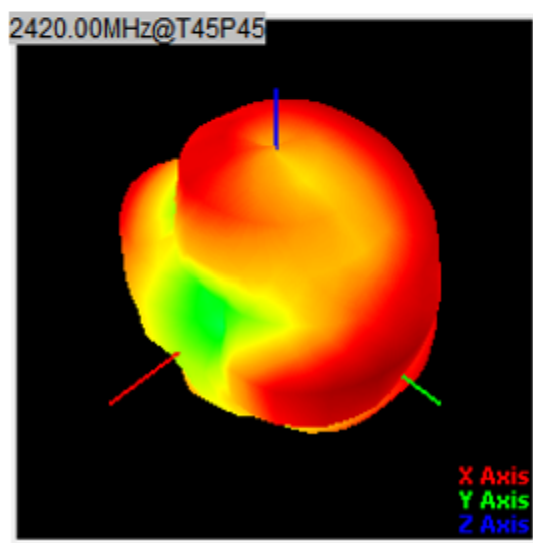
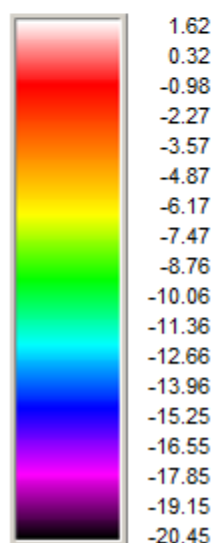
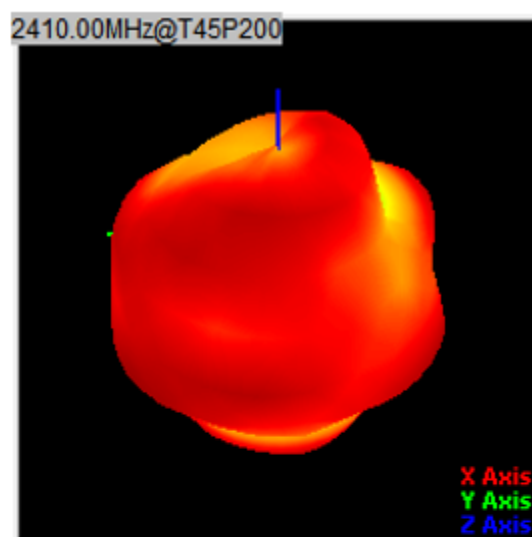
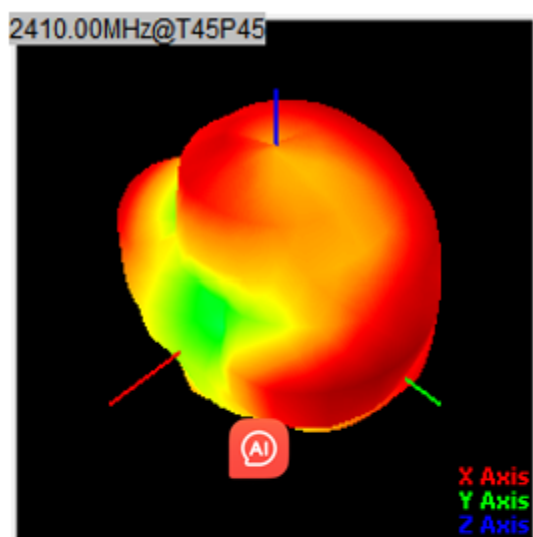
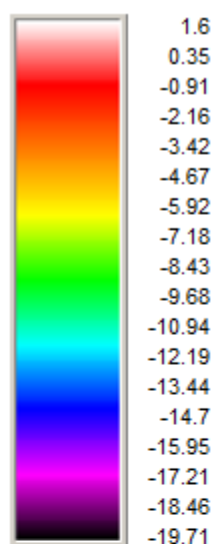
Summary

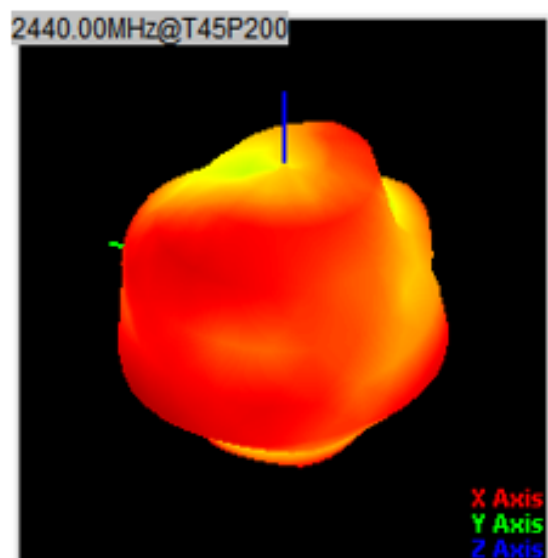
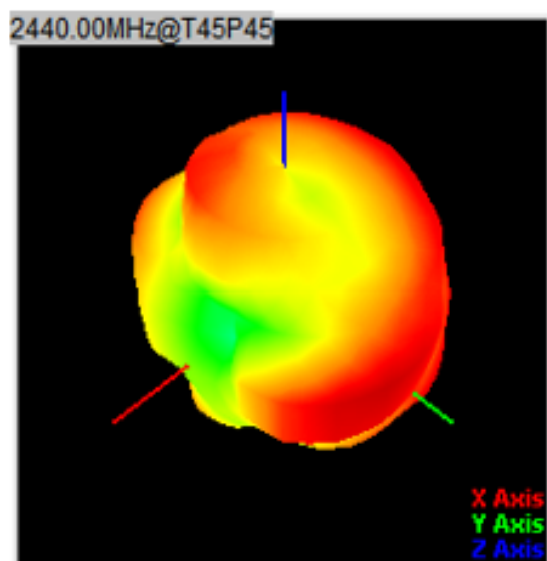
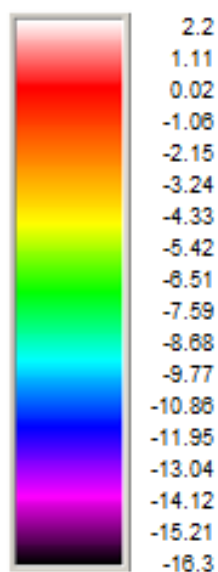
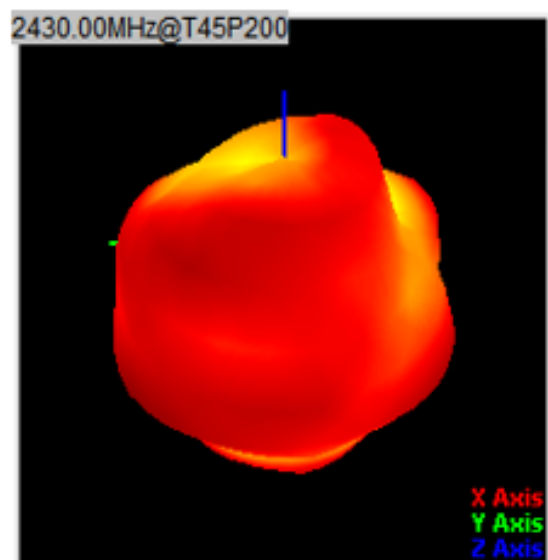
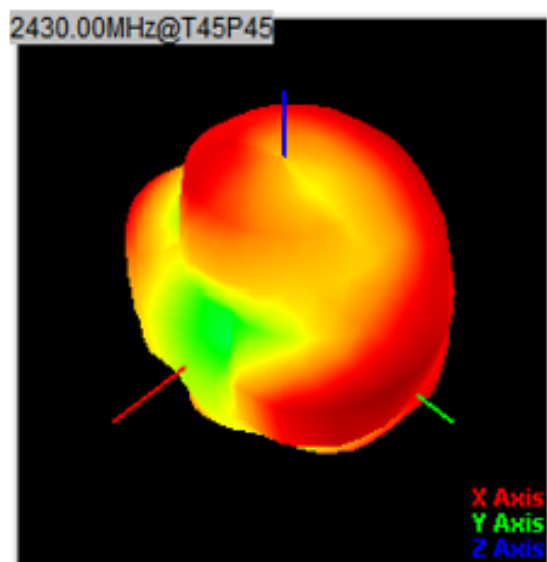
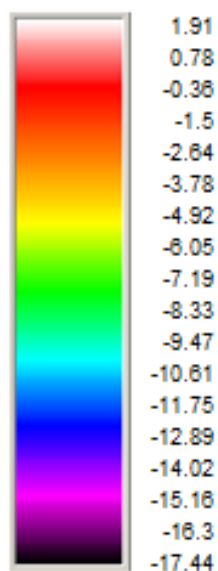
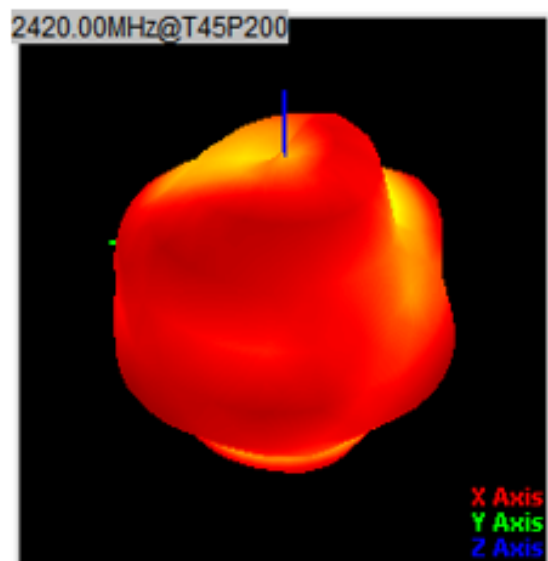
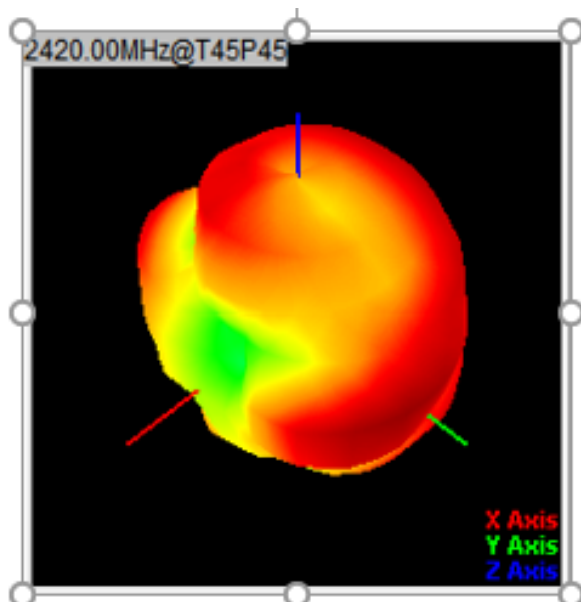
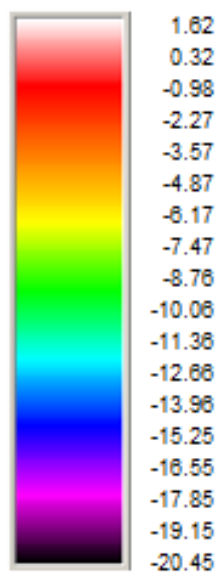
ITEM	ANT SPEC
Model Name	2.4G ANT
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
Antenna Length	37.38mm
Antenna type	Internal antenna
Manufacture	Yichip Microelectronics (Hangzhou) Co.,Ltd.
Address	Room 501, 5th Floor, Area A, Building 1, No. 57, Jiang Er Road, Changhe Sub-district, Binjiang District, Hangzhou City, Zhejiang Province
Test Instrument	Keysight E5071B

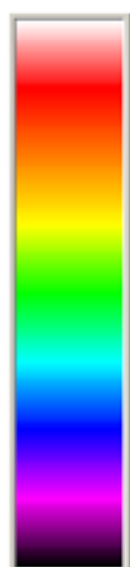
Antenna Photo & Length (mm)



Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values			(AI)								
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
Tot. Rad. Pwr. (dBm)	-2.27	-2.32	-2.28	-2.37	-2.44	-2.55	-2.57	-2.45	-2.72	-2.86	-2.97
Peak EIRP (dBm)	1.69	1.60	1.62	1.91	2.20	2.09	2.01	2.21	2.06	2.12	2.32
Directivity (dBi)	3.96	3.92	3.900000	4.29	4.64	4.64	4.58	4.66	4.79	4.97	5.28
Efficiency (dB)	-2.27	-2.32	-2.28	-2.37	-2.44	-2.55	-2.57	-2.45	-2.72	-2.86	-2.97
Efficiency (%)	59.30	58.60	59.10	57.90	57.00	55.60	55.40	56.90	53.40	51.80	50.50
Gain (dBi)	1.69	1.60	1.62	1.91	2.20	2.09	2.01	2.21	2.06	2.12	2.32
NHPRP $\pm\pi/4$ (dBm)	-3.74	-3.78	-3.73	-3.79	-3.83	-3.95	-3.97	-3.82	-4.06	-4.19	-4.29
NHPRP $\pm\pi/6$ (dBm)	-5.02	-5.08	-5.03	-5.06	-5.09	-5.24	-5.28	-5.11	-5.30	-5.43	-5.56
NHPRP $\pm\pi/8$ (dBm)	-5.86	-5.91	-5.85	-5.85	-5.86	-6.01	-6.06	-5.87	-6.03	-6.18	-6.32
Upper Hem. PRP (dBm)	-4.43	-4.53	-4.55	-4.69	-4.80	-4.93	-4.99	-4.93	-5.22	-5.36	-5.50
Lower Hem. PRP (dBm)	-6.35	-6.30	-6.19	-6.21	-6.22	-6.31	-6.25	-6.07	-6.32	-6.44	-6.52
Upper Hem. PRP (%)	36.09	35.21	35.08	33.97	33.12	32.16	31.67	32.16	30.07	29.10	28.20
Lower Hem. PRP (%)	23.18	23.42	24.06	23.91	23.89	23.41	23.73	24.72	23.33	22.67	22.30

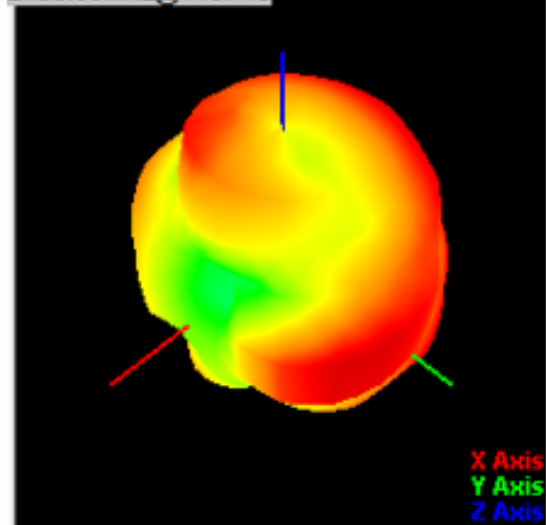






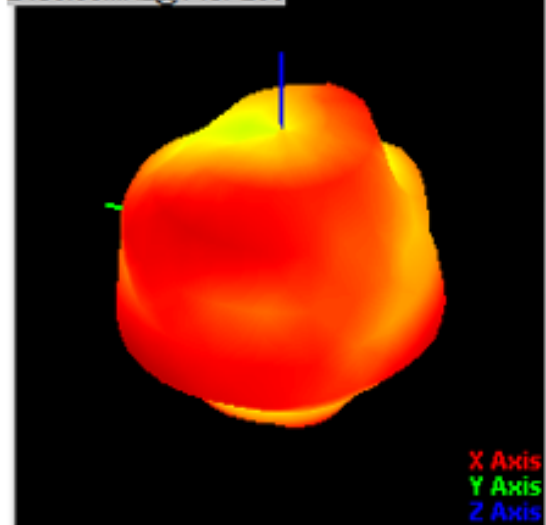
2.09
1
-0.09
-1.18
-2.27
-3.36
-4.45
-5.54
-6.63
-7.72
-8.81
-9.91
-11
-12.09
-13.18
-14.27
-15.36
-16.45

2450.00MHz@T45P45



X Axis
Y Axis
Z Axis

2450.00MHz@T45P200

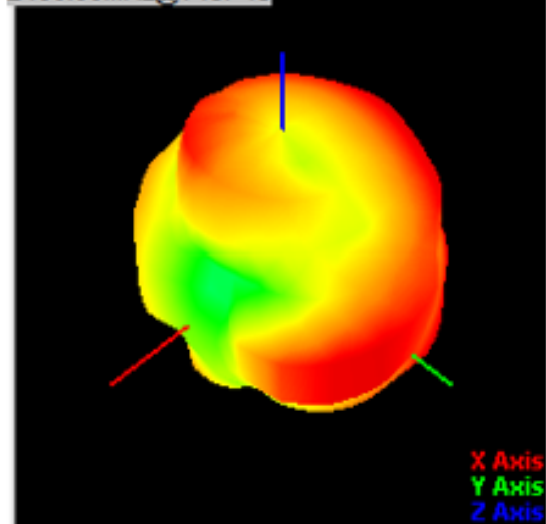


X Axis
Y Axis
Z Axis



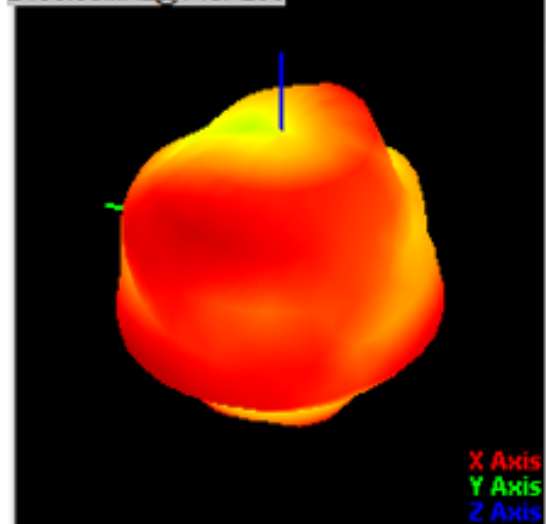
2.01
0.88
-0.24
-1.37
-2.5
-3.63
-4.75
-5.88
-7.01
-8.14
-9.26
-10.39
-11.52
-12.65
-13.77
-14.9
-16.03
-17.15

2460.00MHz@T45P45



X Axis
Y Axis
Z Axis

2460.00MHz@T45P200

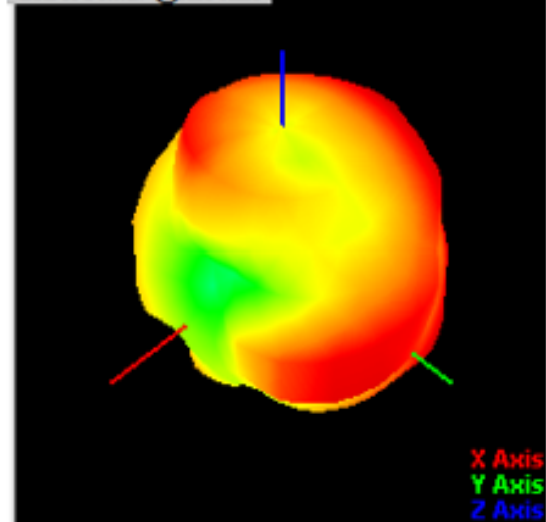


X Axis
Y Axis
Z Axis



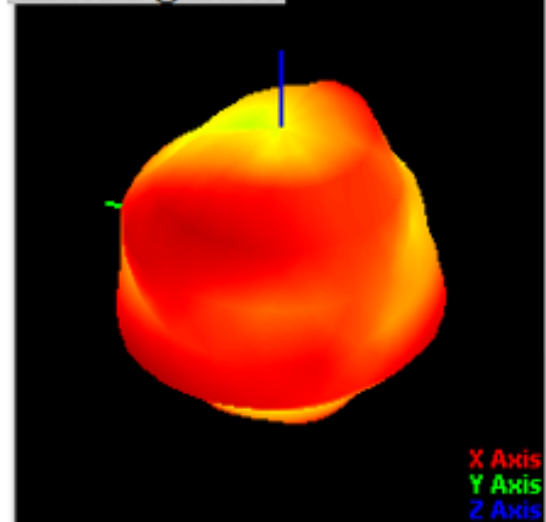
2.21
1.08
-0.04
-1.17
-2.3
-3.42
-4.55
-5.68
-6.81
-7.93
-9.06
-10.19
-11.31
-12.44
-13.57
-14.7
-15.82
-16.95

2470.00MHz@T45P45



X Axis
Y Axis
Z Axis

2470.00MHz@T45P200



X Axis
Y Axis
Z Axis

