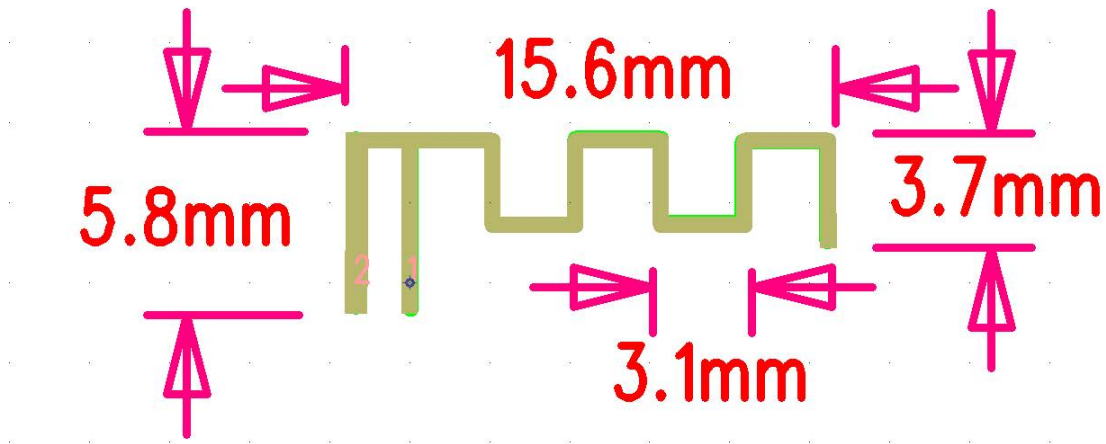


ANTENNA SPECIFICATION

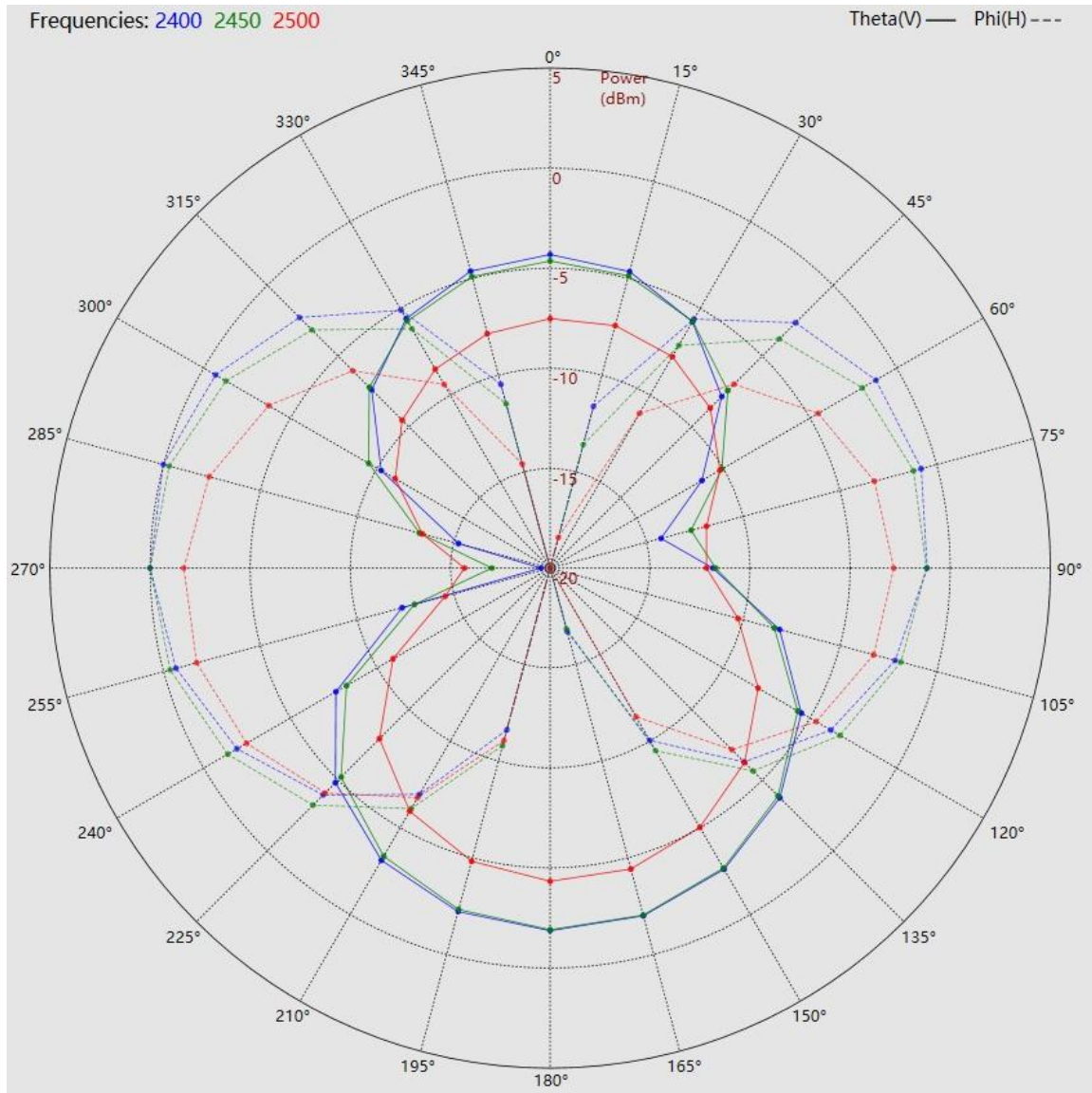
Summary

ITEM	ANT SPEC		
Model Name	2.4G ANT		
Antenna plate	PCB antenna		
Center Frequency	2400MHz	2450MHz	2500MHz
	0 dBi	-0.01 dBi	-1.6 dB
MAX. Gain	0 dBi		
Polarization	Horizontal and Vertical		
Impedance	50Ohm		

AntennaPhoto&Length(mm)



Manufacturer:Shenzhen guard dragon Electronics Co., LTD
Address of Manufacturer:Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street,
Longhua District, Shenzhen China



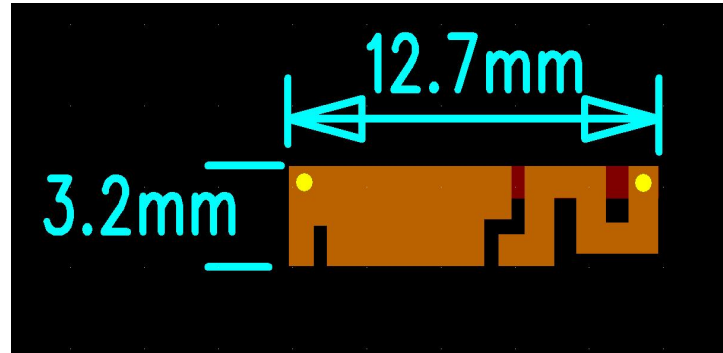
Frequency (MHz)	Gain(dBi)			
	Horizontal		Vertical	
	Max.	Min	Max.	Min
2400	0	-36.52	-1.81	-28.82
2450	-0.01	-30.31	-1.92	-18.95
2500	-1.6	-32.64	-4.55	-16.65

ANTENNA SPECIFICATION

Summary

ITEM	ANT SPEC
Model Name	2.4G ANT
Antenna plate	PCB antenna

Antenna Photo & Length(mm)

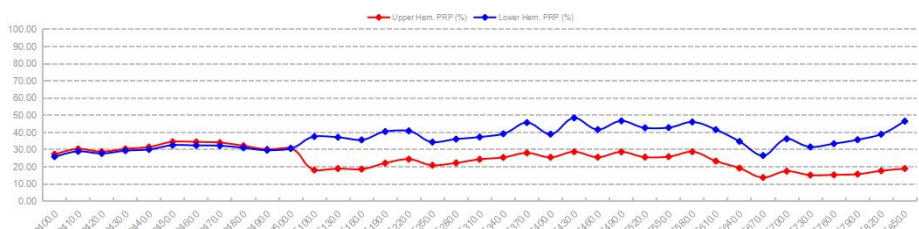
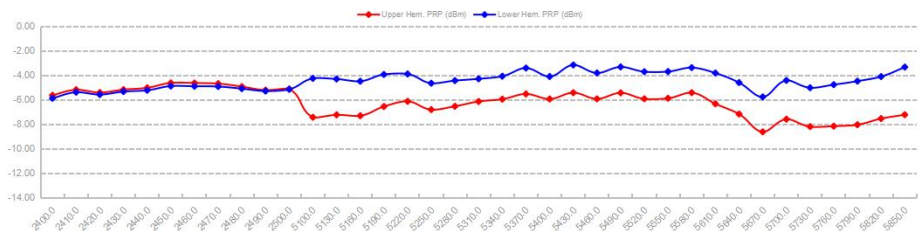
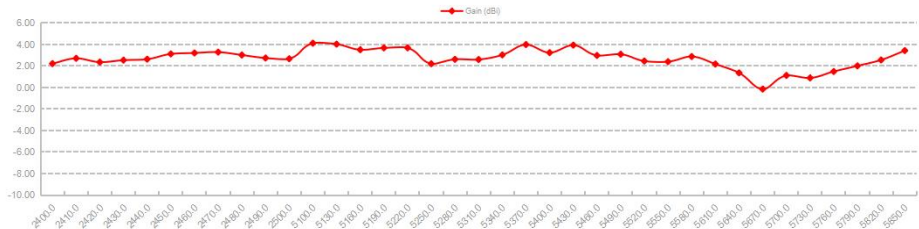


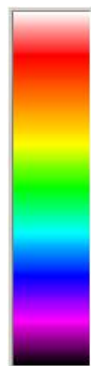
MANUFACTURER INFORMATION

Shenzhen guard dragon Electronics Co., LTD

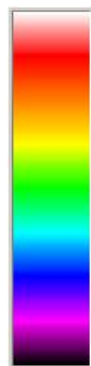
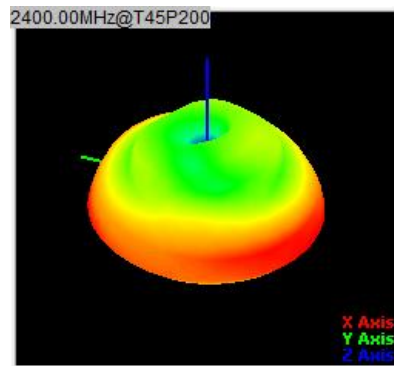
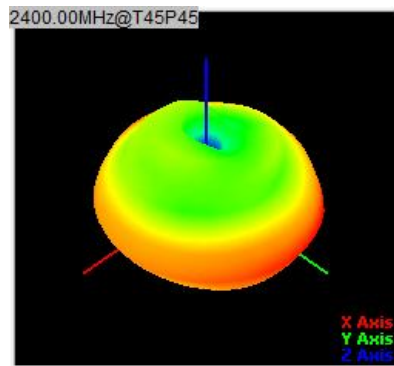
302Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street, Longhua District, Shenzhen, China

FETUS2.0																																					
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5100.0	5130.0	5160.0	5190.0	5220.0	5250.0	5280.0	5310.0	5340.0	5370.0	5400.0	5430.0	5460.0	5490.0	5520.0	5550.0	5580.0	5610.0	5640.0	5670.0	5700.0	5730.0	5760.0	5790.0	5820.0	5850.0
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	
Tot. Rad. Pwr. (dBm)	-2.74	-2.27	-2.47	-2.23	-2.11	-1.73	-1.74	-1.78	-1.99	-2.23	-2.11	-2.54	-2.51	-2.66	-2.03	-1.85	-2.58	-2.34	-2.10	-1.90	-1.32	-1.91	-1.13	-1.73	-1.23	-1.66	-1.63	-1.26	-1.88	-2.68	-3.95	-2.70	-3.31	-3.12	-2.89	-2.48	-1.84
Peak EIRP (dBm)	2.22	2.71	2.36	2.54	2.63	3.12	3.21	3.29	3.02	2.74	2.67	4.12	4.03	3.51	3.68	3.69	2.21	2.62	2.60	3.03	3.99	3.24	3.94	2.98	3.09	2.46	2.40	2.88	2.18	1.36	-0.15	1.12	0.89	1.49	2.01	2.56	3.43
Directivity (dBi)	4.96	4.97	4.84	4.77	4.73	4.85	4.96	5.07	5.01	4.97	4.78	6.66	6.54	6.16	5.71	5.54	4.79	4.96	4.70	4.93	5.31	5.14	5.07	4.71	4.32	4.12	4.04	4.14	4.06	4.04	3.80	3.82	4.20	4.62	4.88	5.04	5.27
Efficiency (dB)	-2.74	-2.27	-2.47	-2.23	-2.11	-1.73	-1.74	-1.78	-1.99	-2.23	-2.11	-2.54	-2.51	-2.66	-2.03	-1.85	-2.58	-2.34	-2.10	-1.90	-1.32	-1.91	-1.13	-1.73	-1.23	-1.66	-1.63	-1.26	-1.88	-2.68	-3.95	-2.70	-3.31	-3.12	-2.89	-2.48	-1.84
Efficiency (%)	53.20	59.40	56.60	59.80	61.60	67.10	66.90	66.30	63.20	59.80	61.50	55.70	56.10	54.30	62.60	65.30	55.20	58.30	61.60	64.60	73.80	64.50	77.20	67.20	75.30	68.30	68.70	74.80	64.90	54.00	40.30	53.70	46.70	48.70	51.40	56.60	65.50
Gain (dBi)	2.22	2.71	2.36	2.54	2.63	3.12	3.21	3.29	3.02	2.74	2.67	4.12	4.03	3.51	3.68	3.69	2.21	2.62	2.60	3.03	3.99	3.24	3.94	2.98	3.09	2.46	2.40	2.88	2.18	1.36	-0.15	1.12	0.89	1.49	2.01	2.56	3.43
NHPRP ±PI/4 (dBm)	-3.54	-3.09	-3.42	-3.21	-3.08	-2.59	-2.54	-2.55	-2.87	-3.19	-3.28	-5.04	-5.07	-5.44	-4.66	-4.33	-5.13	-4.47	-4.46	-4.29	-3.42	-3.94	-3.05	-3.70	-3.22	-3.65	-3.54	-3.07	-3.77	-4.58	-5.89	-4.71	-5.04	-5.01	-4.54	-4.10	-3.60
NHPRP ±PI/8 (dBm)	-4.02	-3.57	-3.91	-3.71	-3.61	-3.13	-3.09	-3.08	-3.38	-3.70	-3.81	-6.52	-6.52	-6.82	-6.02	-5.70	-6.43	-5.81	-5.79	-5.58	-4.69	-5.19	-4.18	-4.83	-4.31	-4.70	-4.60	-4.12	-4.81	-5.65	-6.96	-5.81	-6.15	-6.16	-5.67	-5.25	-4.71
NHPRP ±PI/8 (dBm)	-4.26	-3.80	-4.13	-3.94	-3.85	-3.38	-3.33	-3.32	-3.61	-3.93	-4.03	-7.20	-7.14	-7.38	-6.57	-6.21	-6.91	-6.31	-6.25	-6.01	-5.12	-5.58	-4.54	-5.17	-4.64	-5.04	-4.97	-4.51	-5.25	-6.12	-7.45	-6.34	-6.69	-6.75	-6.27	-5.88	-5.34
Upper Hem. PRP (dBm)	-5.63	-5.18	-5.40	-5.16	-5.02	-4.62	-4.62	-4.67	-4.92	-5.20	-5.11	-7.43	-7.23	-7.30	-6.55	-6.12	-6.80	-6.53	-6.14	-5.95	-5.52	-5.93	-5.42	-5.92	-5.43	-5.92	-5.87	-5.41	-6.32	-7.16	-8.62	-7.58	-8.19	-8.15	-8.04	-7.53	-7.22
Lower Hem. PRP (dBm)	-5.87	-5.38	-5.57	-5.32	-5.22	-4.87	-4.89	-4.91	-5.08	-5.28	-5.14	-7.45	-7.25	-7.30	-6.55	-6.12	-6.80	-6.53	-6.14	-5.95	-5.52	-5.93	-5.42	-5.92	-5.43	-5.92	-5.87	-5.41	-6.32	-7.16	-8.62	-7.58	-8.19	-8.15	-8.04	-7.53	-7.22
Upper Hem. PRP (%)	27.37	30.37	28.82	30.45	31.51	34.55	34.48	34.08	32.22	30.17	30.85	18.08	18.93	18.61	22.14	24.42	20.89	22.24	24.35	25.43	28.05	25.51	28.73	25.57	28.65	25.61	25.88	28.75	23.31	19.23	13.75	17.45	15.16	15.30	15.72	17.65	18.97
Lower Hem. PRP (%)	25.87	28.98	27.74	29.34	30.06	32.55	32.44	32.26	31.01	29.63	30.62	37.60	37.17	35.64	40.50	40.88	34.33	36.08	37.29	39.18	45.70	38.95	48.42	41.63	46.66	42.67	42.78	46.06	41.60	34.73	26.54	36.23	31.54	33.42	35.71	38.91	46.51

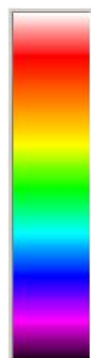
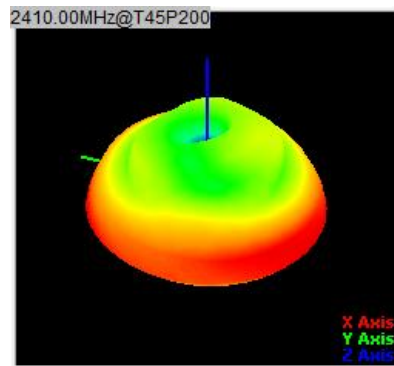
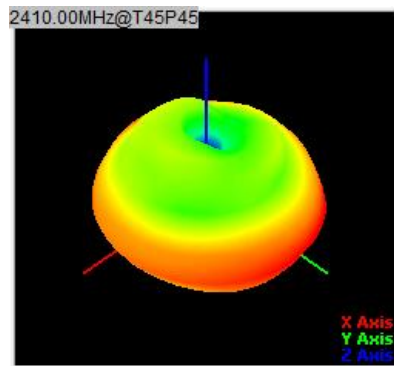




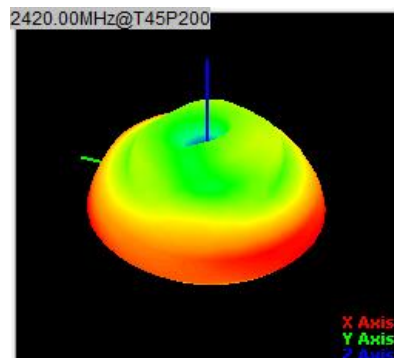
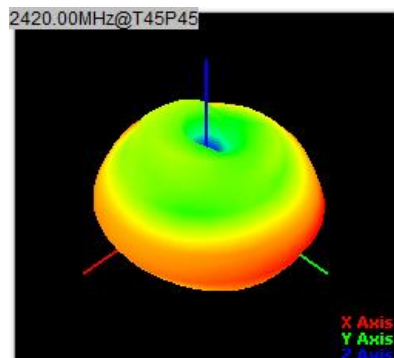
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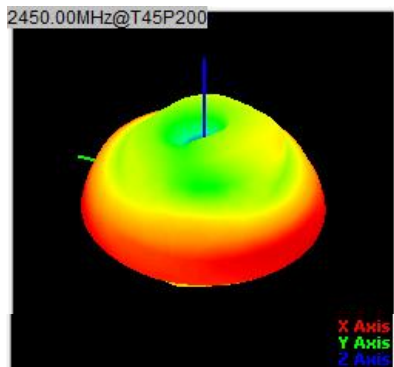
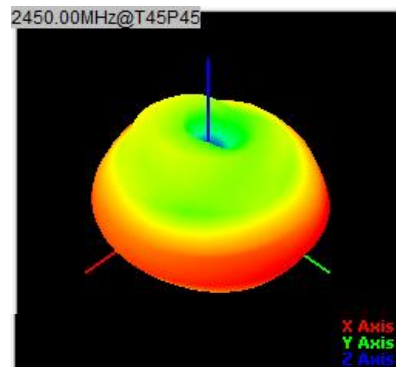
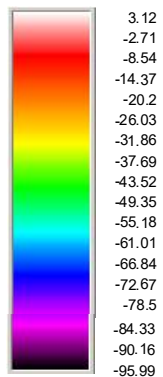
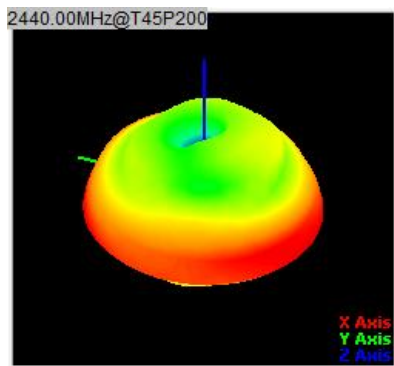
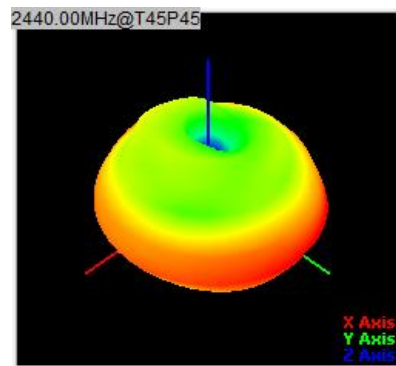
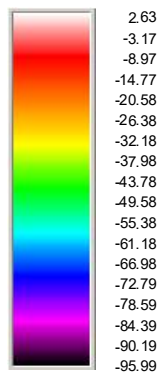
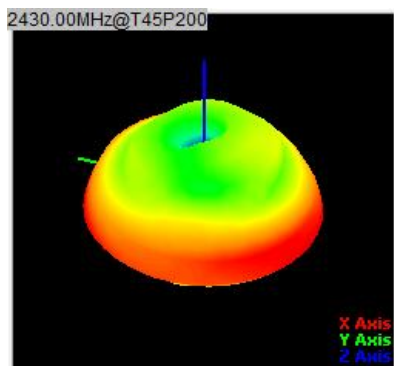
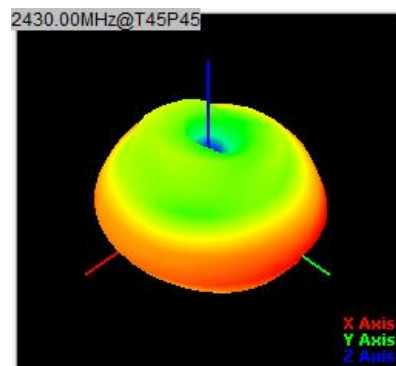
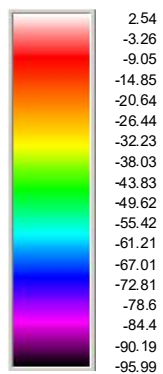


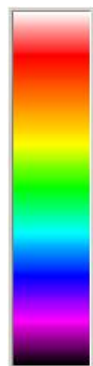
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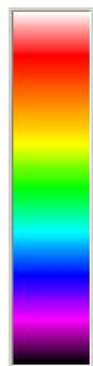
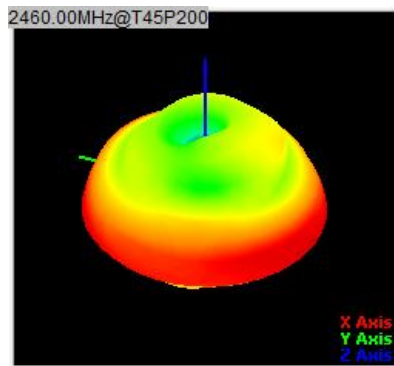
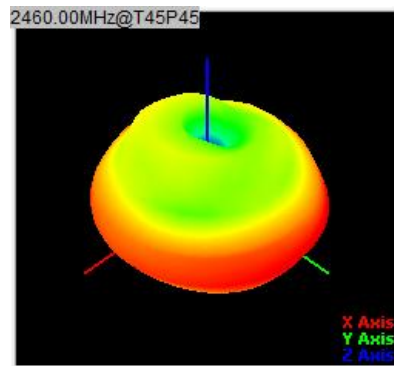
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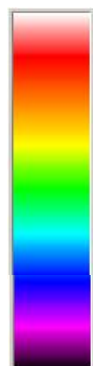
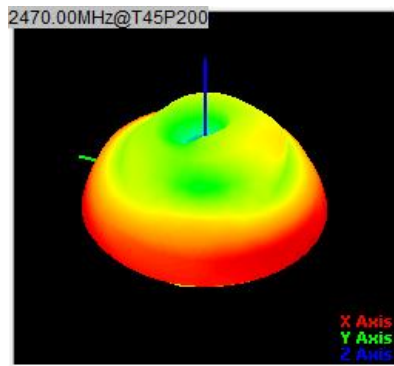
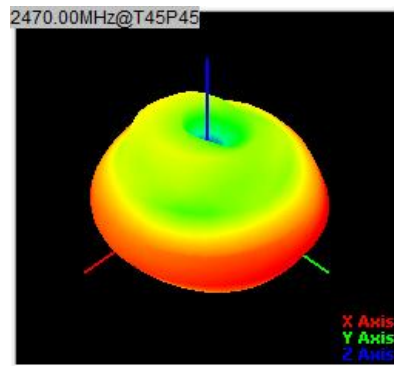




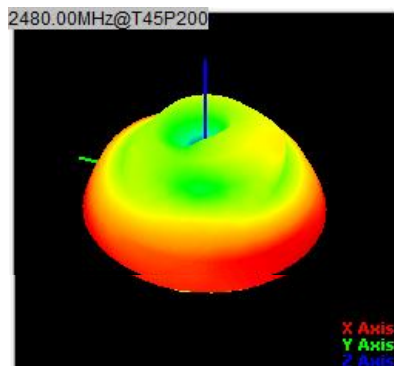
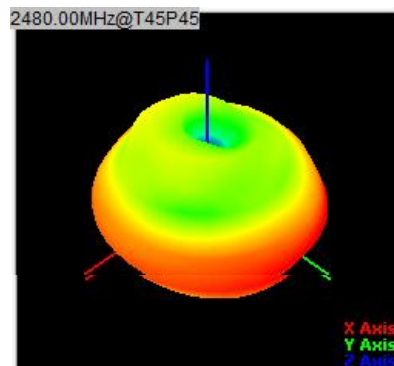
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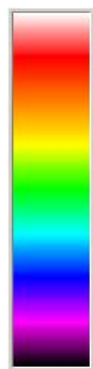


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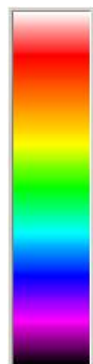
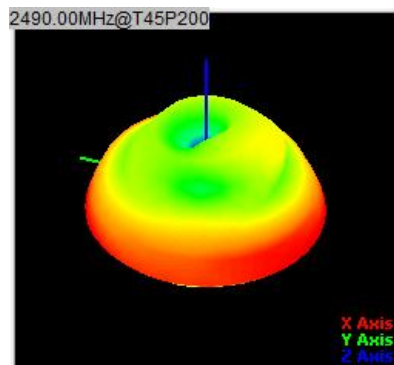
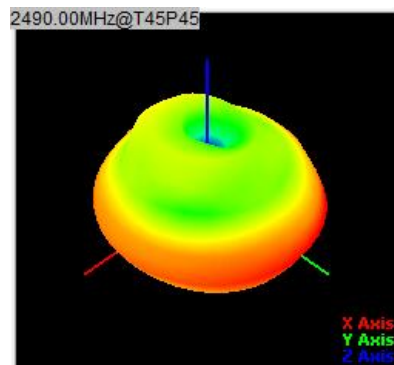


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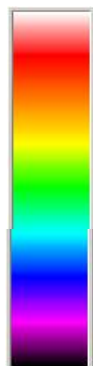
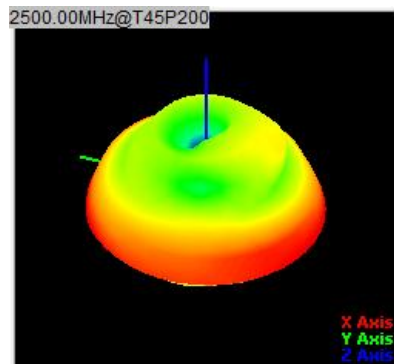
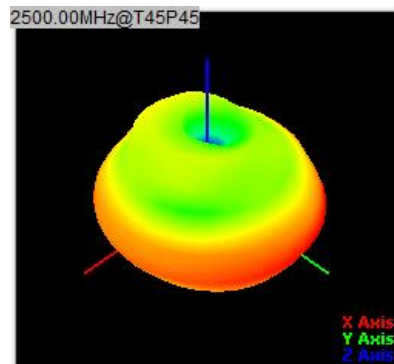




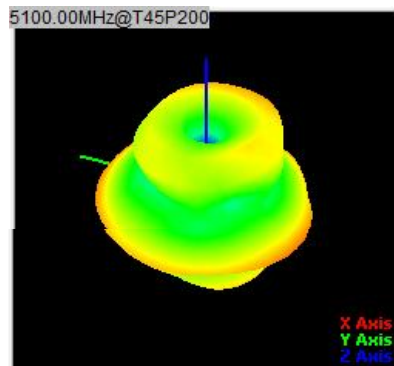
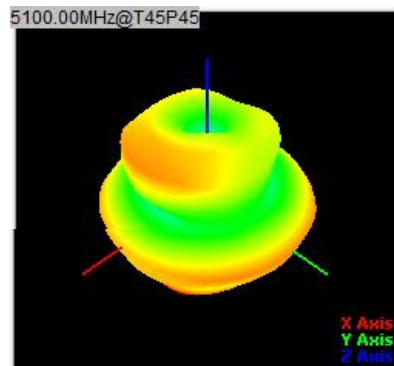
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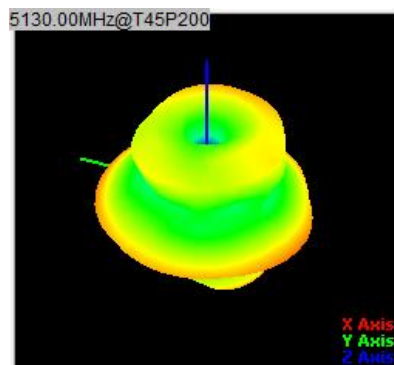
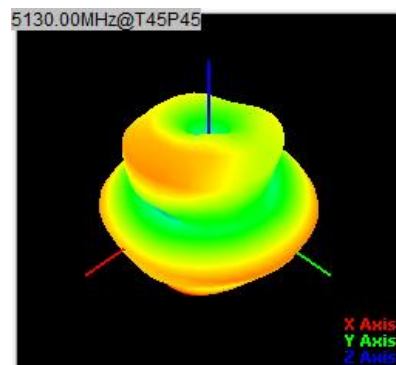


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-95.99

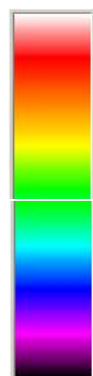
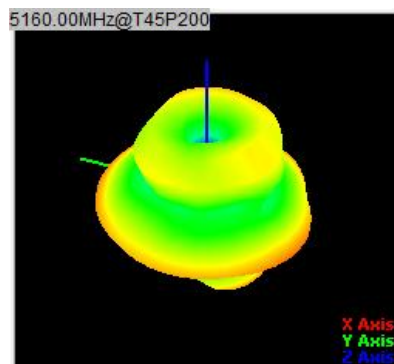
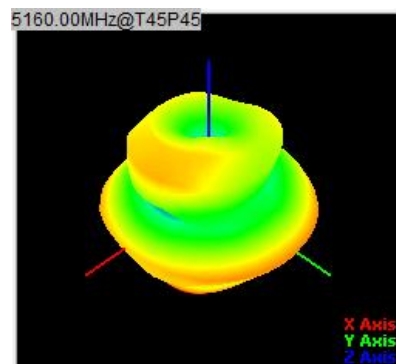




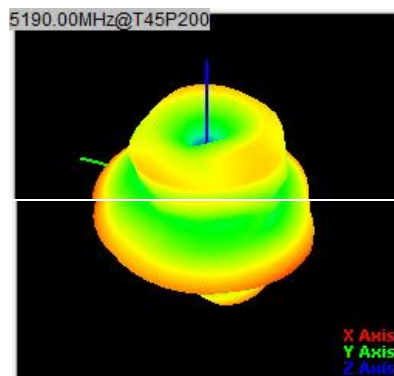
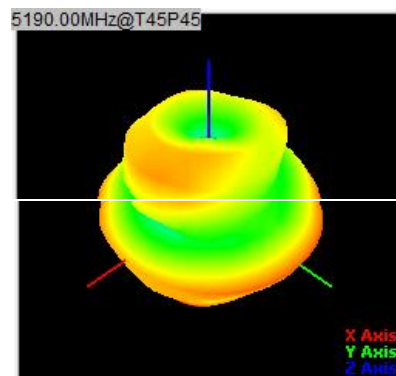
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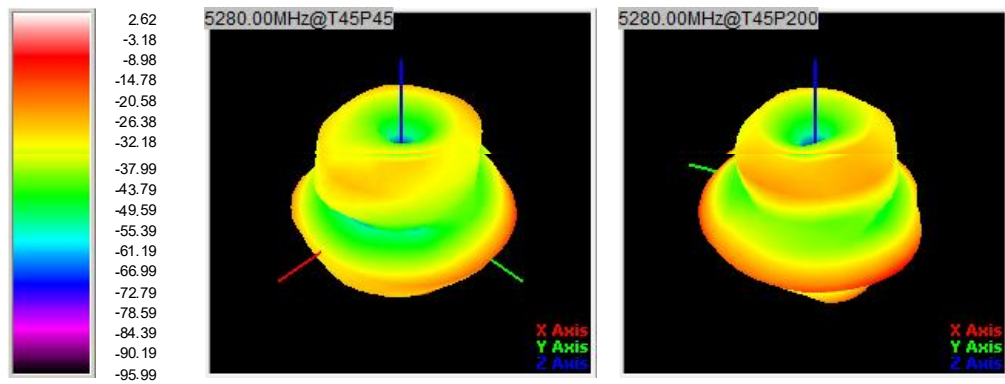
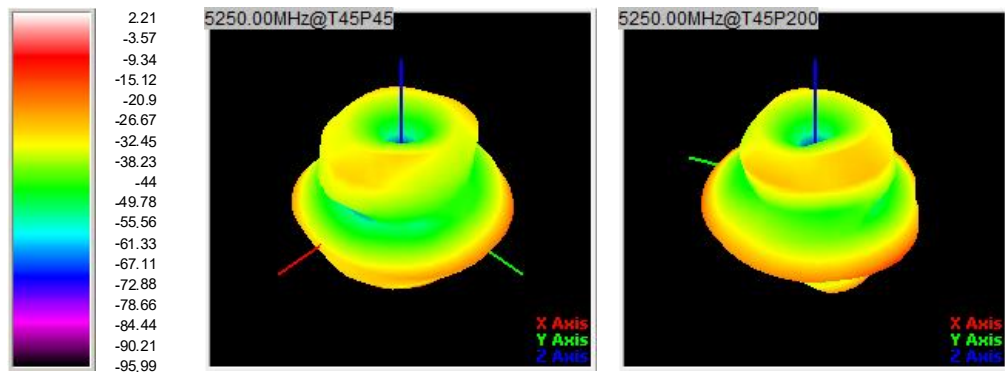
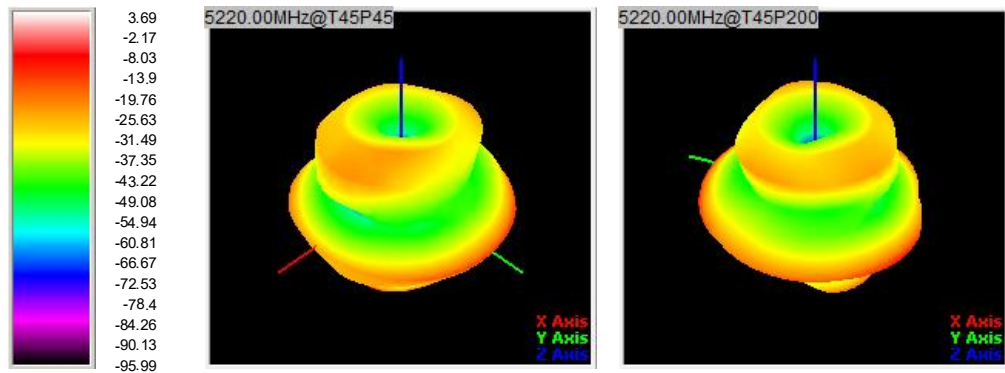


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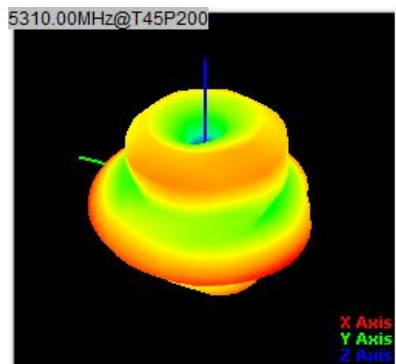
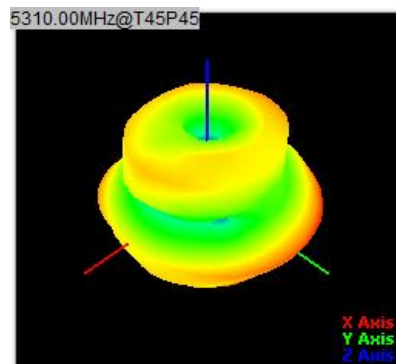
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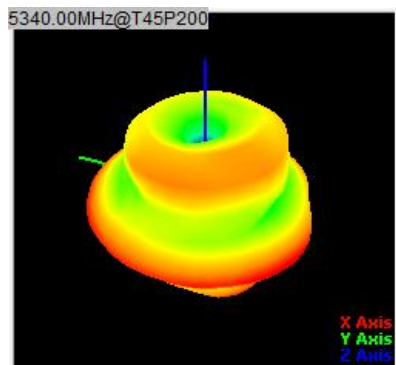
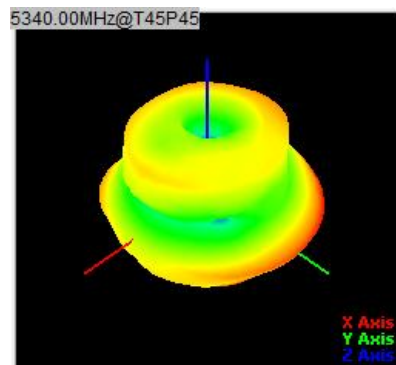




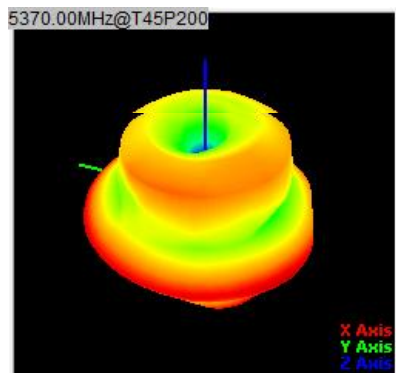
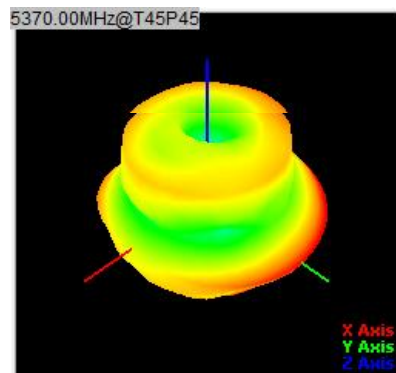
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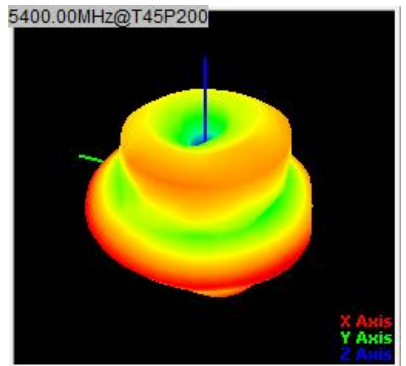
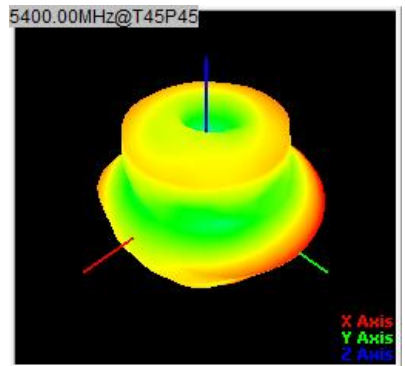


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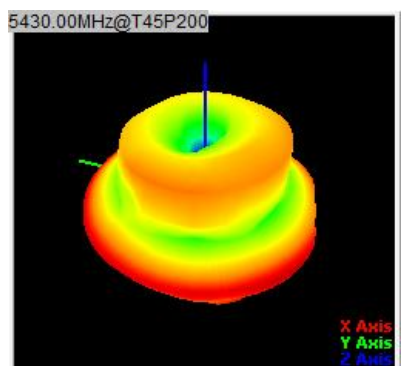
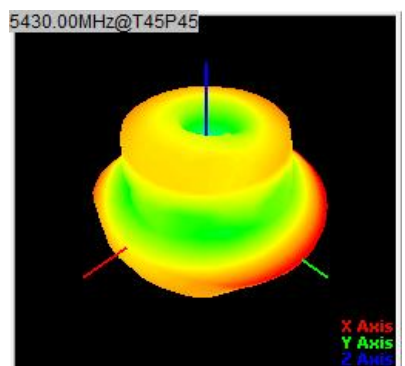




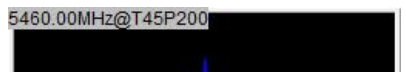
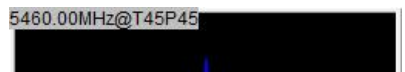
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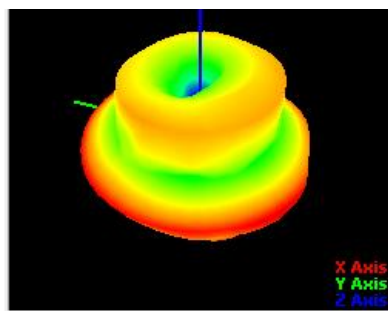
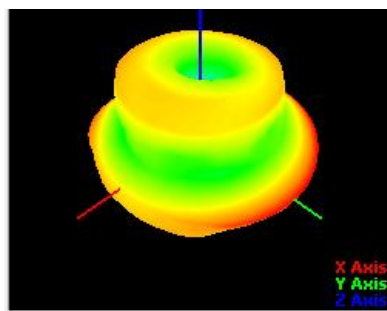


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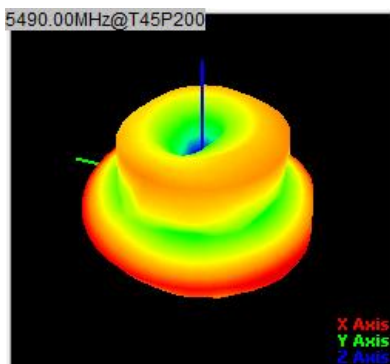
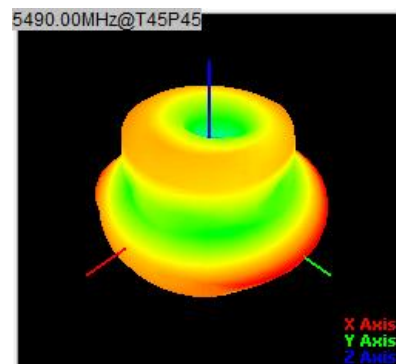




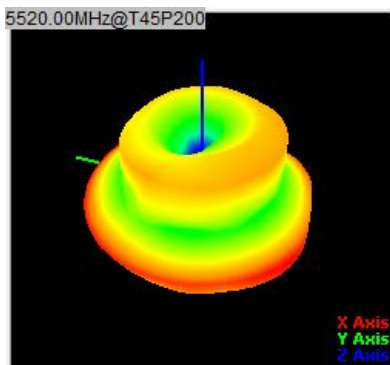
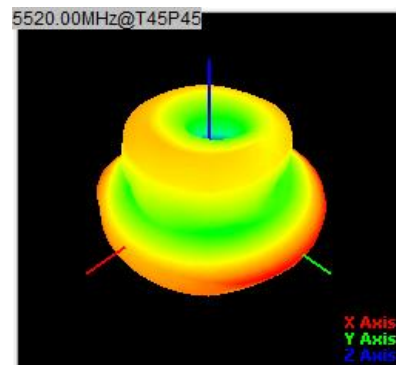
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2.4



