

Antenna Test Report

SCM project V1.0

Customer	Sequent
Project name	SCM project
Antenna Type	Chip Antenna
Model ANT	WAN3216F245C04



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Mars 2025/07/09

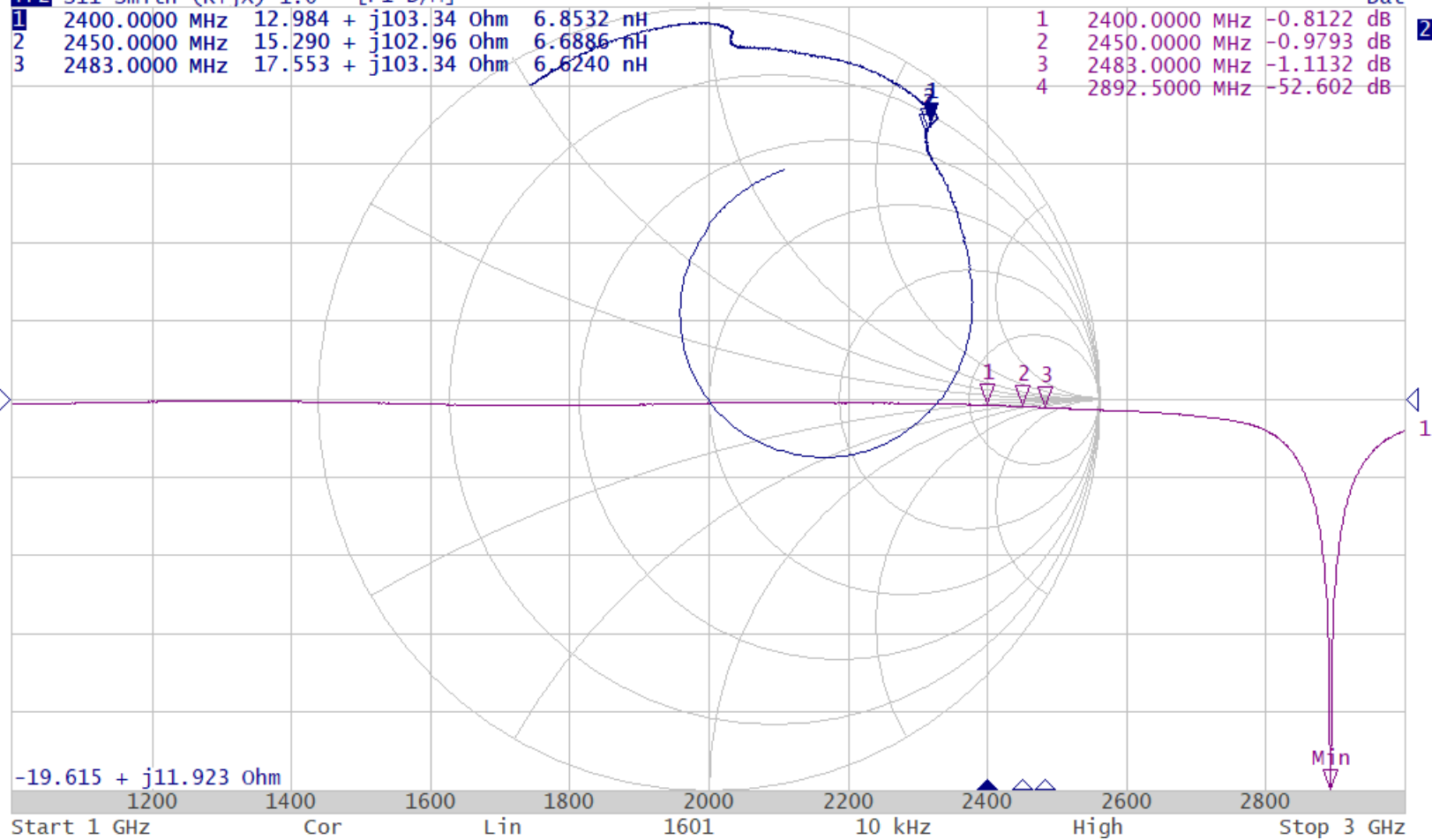
S11 Parameter

Tr1 S11 Log Magnitude 10.0 dB/ 0.0 dB [F1 D/M]

Tr2 S11 Smith (R+jX) 1.0 [F1 D/M]

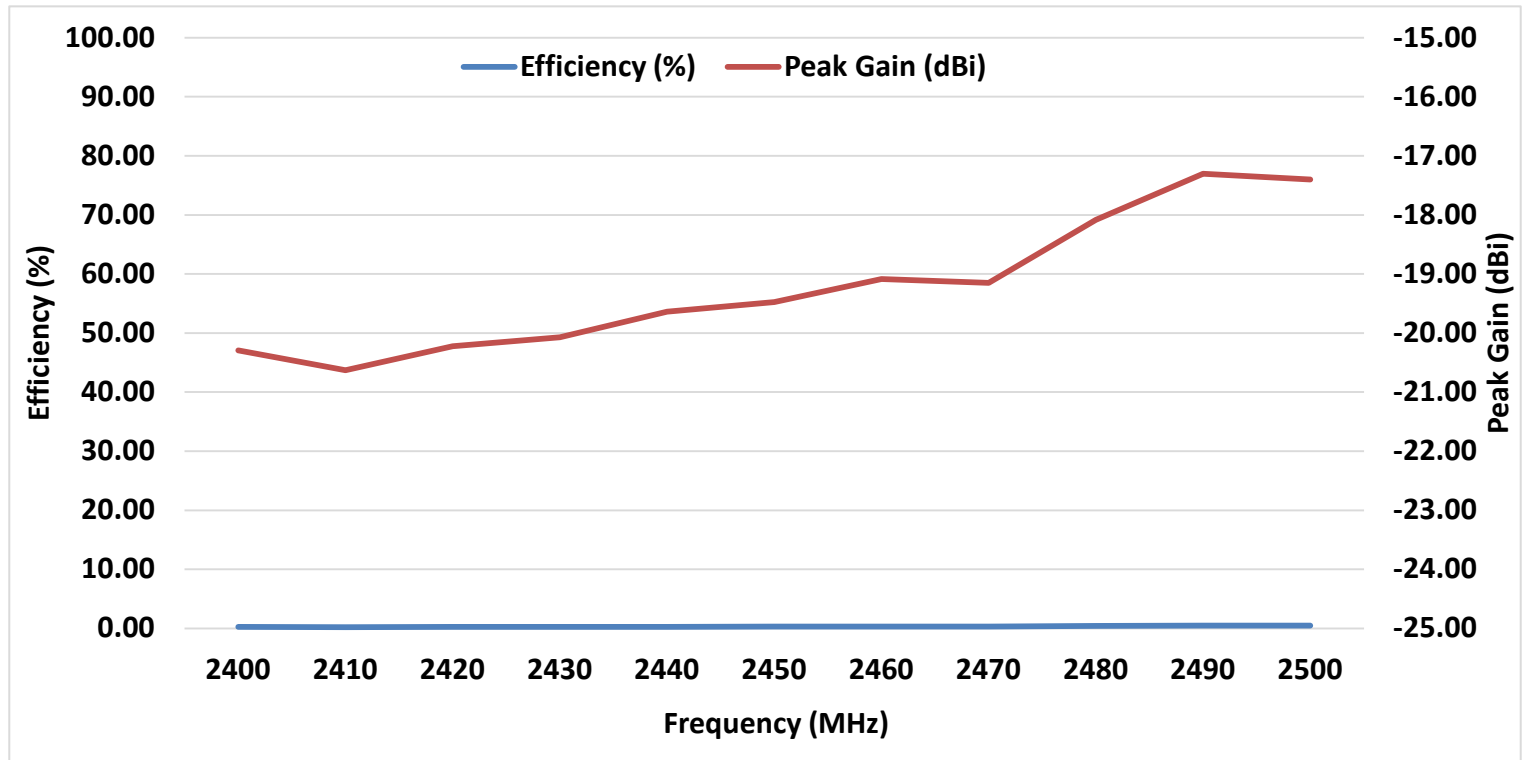
1	2400.0000 MHz	12.984 + j103.34 Ohm	6.8532 nH
2	2450.0000 MHz	15.290 + j102.96 Ohm	6.6886 nH
3	2483.0000 MHz	17.553 + j103.34 Ohm	6.6240 nH

	1	2	3	4
Frequency (MHz)	2400.0000	2450.0000	2483.0000	2892.5000
S11 (dB)	-0.8122	-0.9793	-1.1132	-52.602



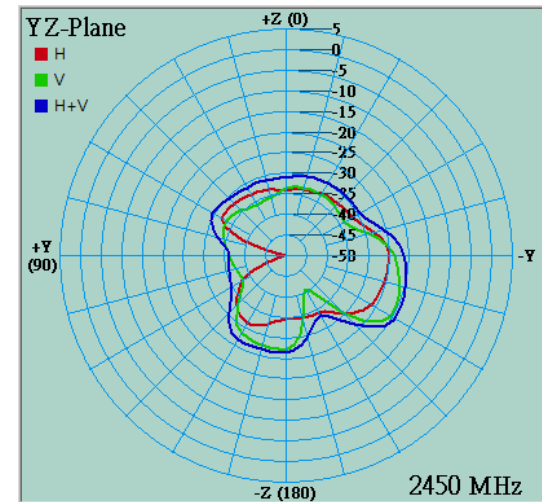
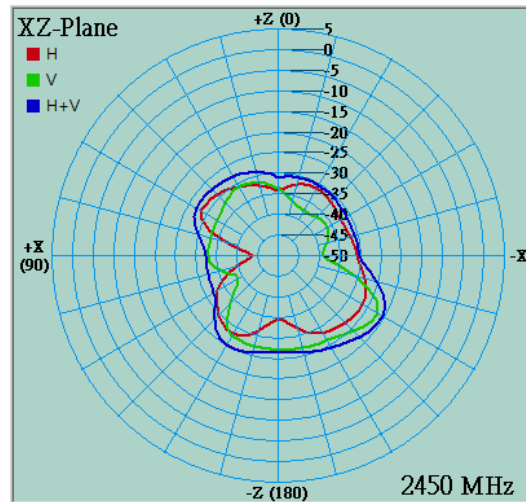
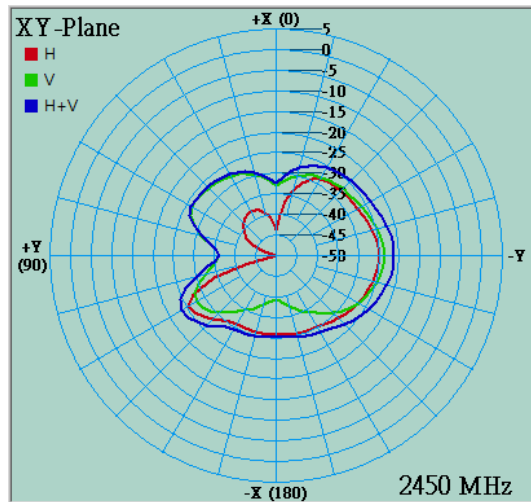
Fre.(MHz)	2400	2450	2483
S11(dB)	-0.81	-0.97	-1.11

Gain / Efficiency

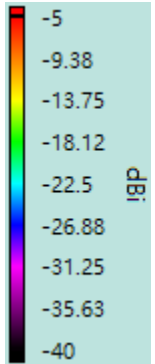
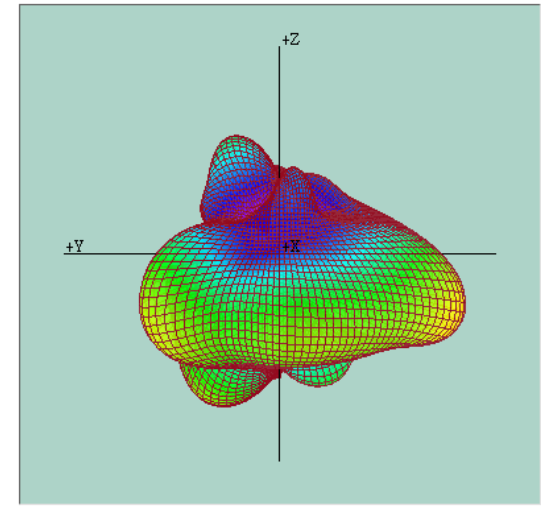
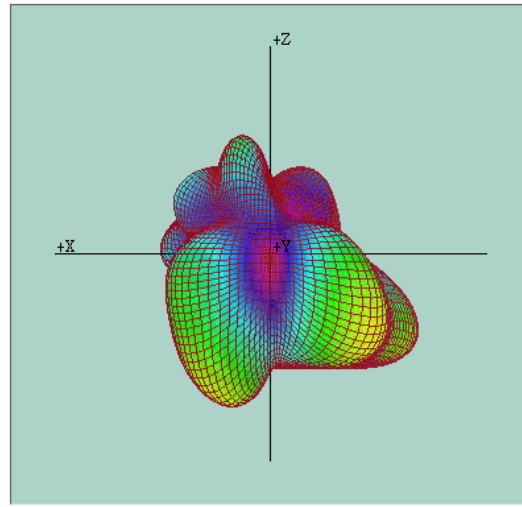
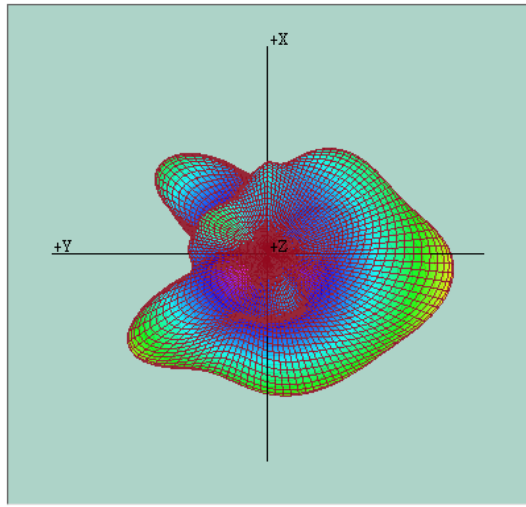


Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (%)	0.23	0.21	0.23	0.25	0.27	0.29	0.31	0.30	0.39	0.46	0.46
Peak gain (dBi)	-20.29	-20.63	-20.23	-20.07	-19.64	-19.48	-19.09	-19.15	-18.08	-17.30	-17.40

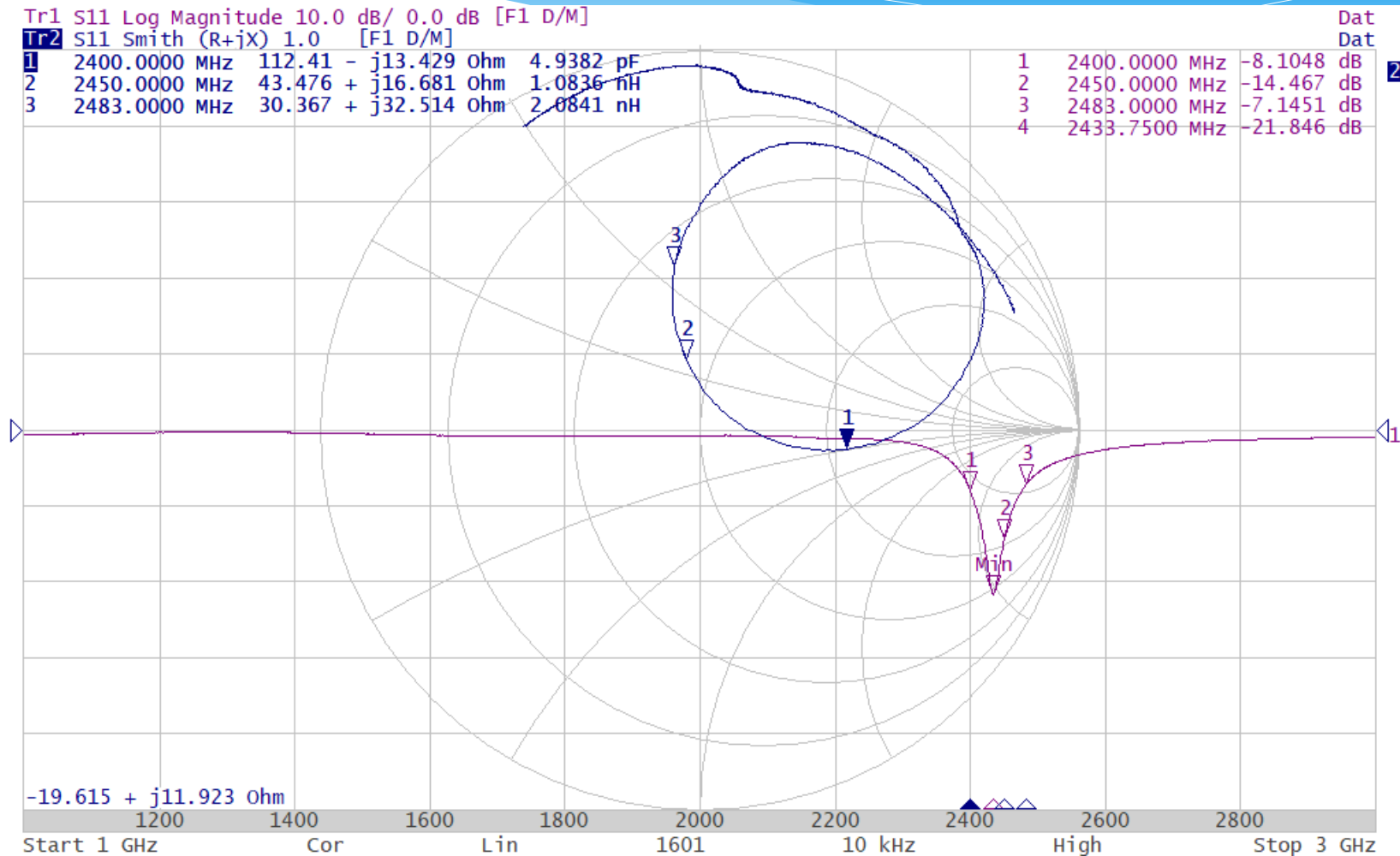
2D Radiation Pattern(@2.45GHz)



3D Radiation Pattern(@2.45GHz)

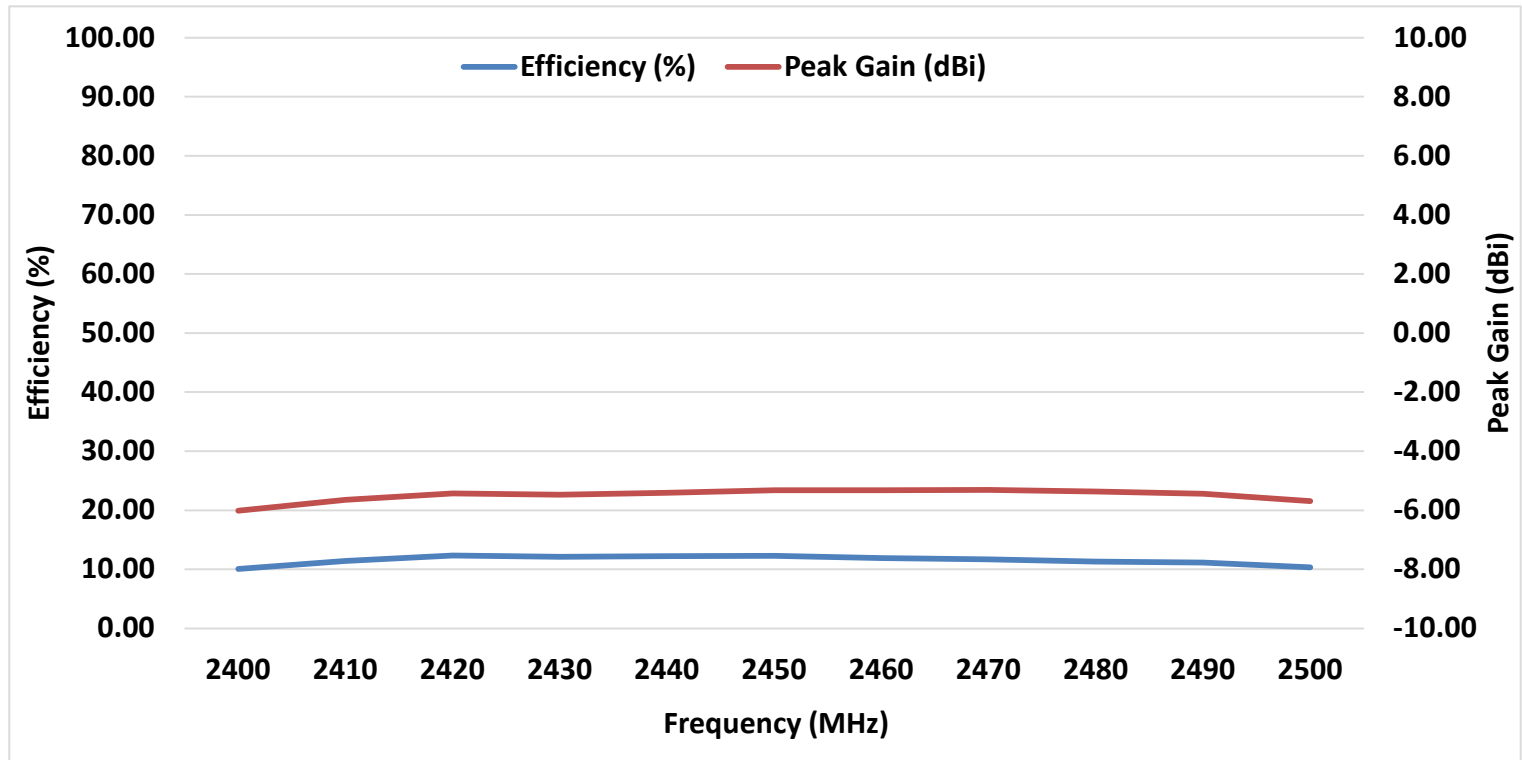


S11 Parameter



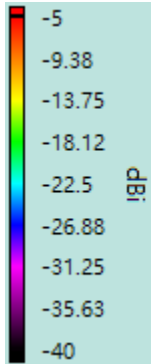
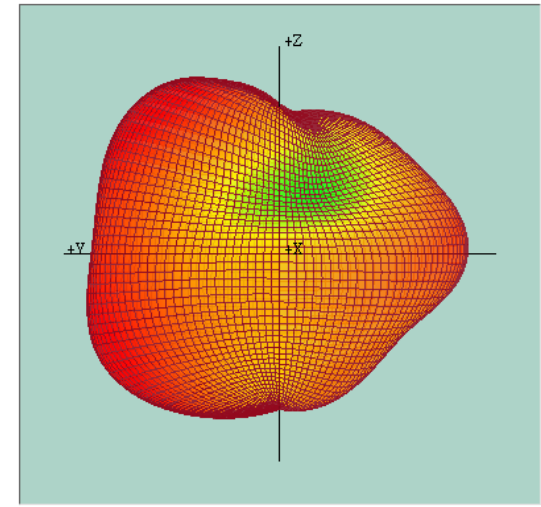
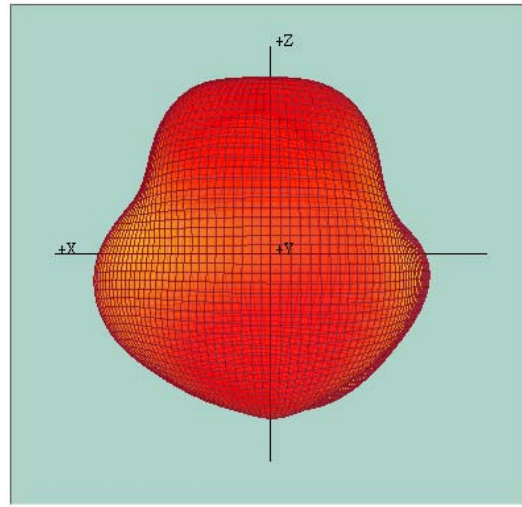
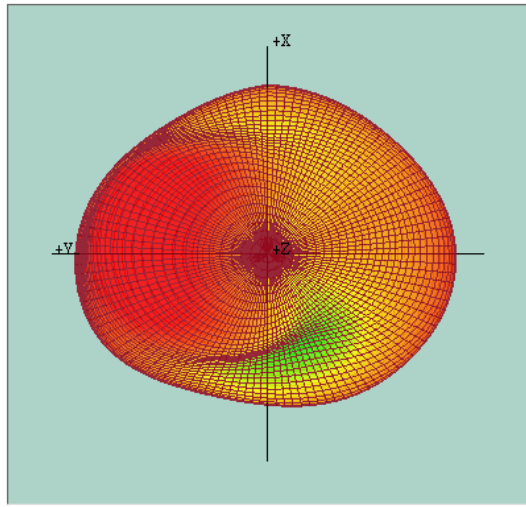
Fre.(MHz)	2400	2450	2483
S11(dB)	-8.10	-14.46	-7.14

Gain / Efficiency



Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (%)	10.08	11.44	12.35	12.12	12.20	12.25	11.88	11.66	11.31	11.12	10.33
Peak gain (dBi)	-6.02	-5.64	-5.43	-5.48	-5.40	-5.32	-5.32	-5.31	-5.37	-5.44	-5.69

3D Radiation Pattern(@2.45GHz)



2D Radiation Pattern(@2.45GHz)

