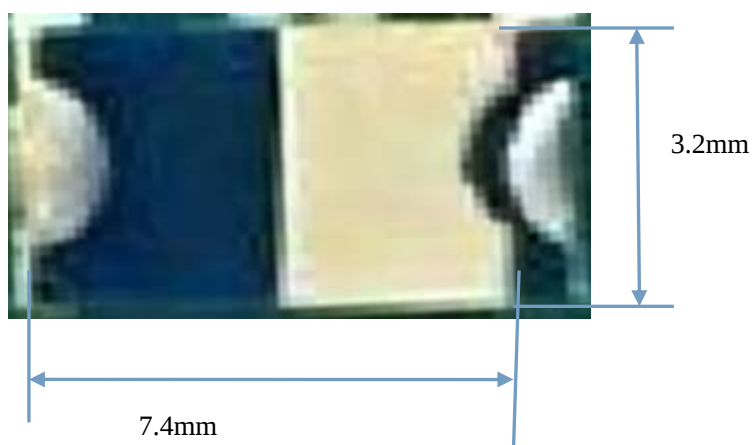


Antenna Report

Antenna plate	Internal Antenna
Market name/Model name	WAN3216F245H08
Manufacture	Wan Cheng
Antenna Max. Gain	2.56dBi
Frequency Range	2400.0-2480.0MHz
VSWR	3.2046

Antenna: Size: 7.4mm x 3.2mm



1. Gain and Efficiency

L			
MHz	Gain(dBi)	Effi. (dB)	Effi. (%)
2400	1.48	-8.13	15.37
2410	2.03	-7.67	17.09
2420	2.22	-7.35	18.42
2430	2.31	-7.04	19.75
2440	2.4	-6.88	20.51
2450	2.56	-6.78	20.99
2460	2.47	-6.8	20.91
2470	2.22	-6.99	19.98
2480	1.78	-7.41	18.17
Avg.	2.16	-7.23	19.02

R			
MHz	Gain(dBi)	Effi. (dB)	Effi. (%)
2400	1.48	-8.13	15.37
2410	2.03	-7.67	17.09
2420	2.22	-7.35	18.42
2430	2.31	-7.04	19.75
2440	2.4	-6.88	20.51
2450	2.56	-6.78	20.99
2460	2.47	-6.8	20.91
2470	2.22	-6.99	19.98
2480	1.78	-7.41	18.17
Avg.	2.16	-7.23	19.02

2.VSWR



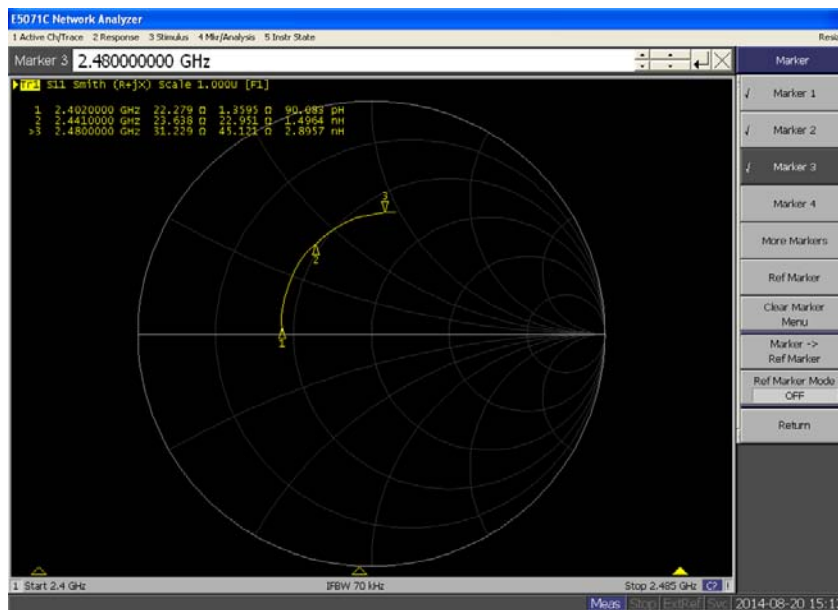
Frequency: VSWR

2.402Ghz 2.2510

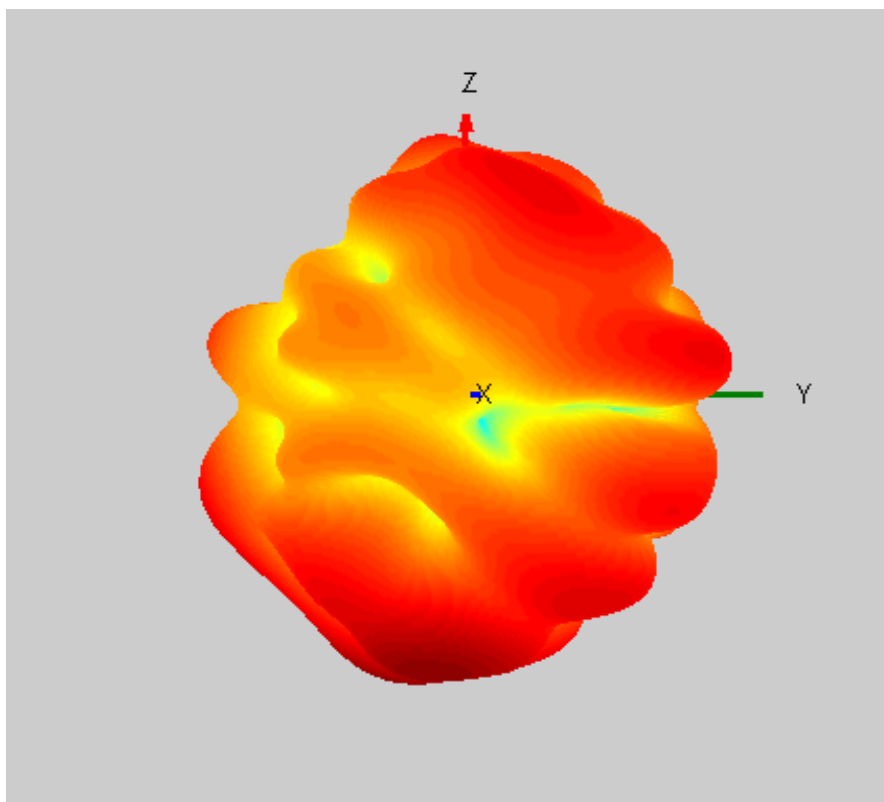
2.441Ghz 2.6813

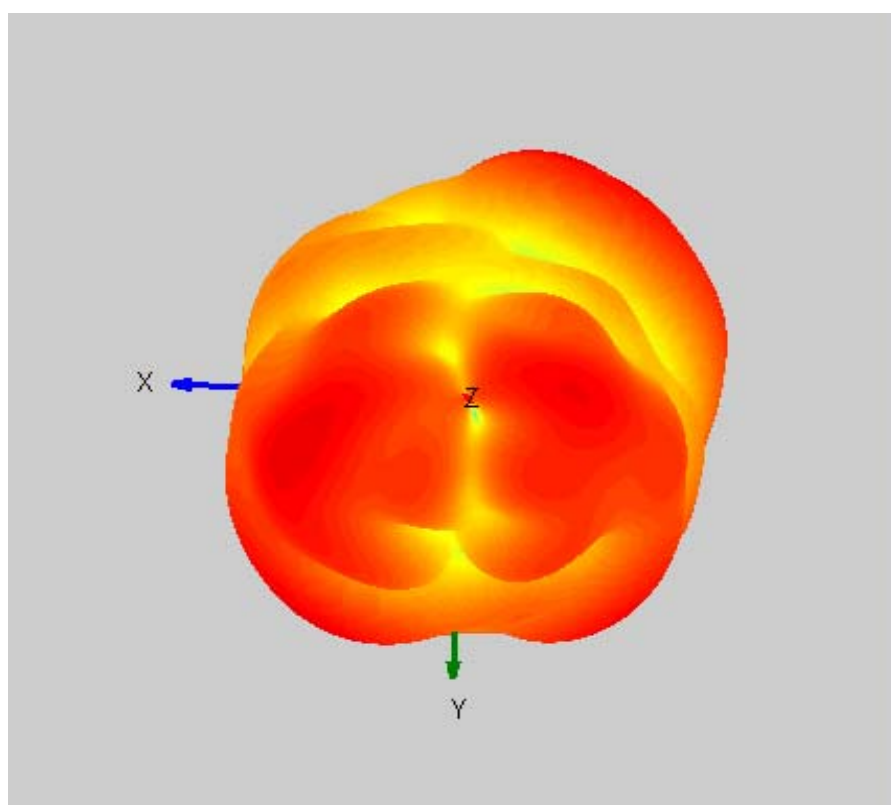
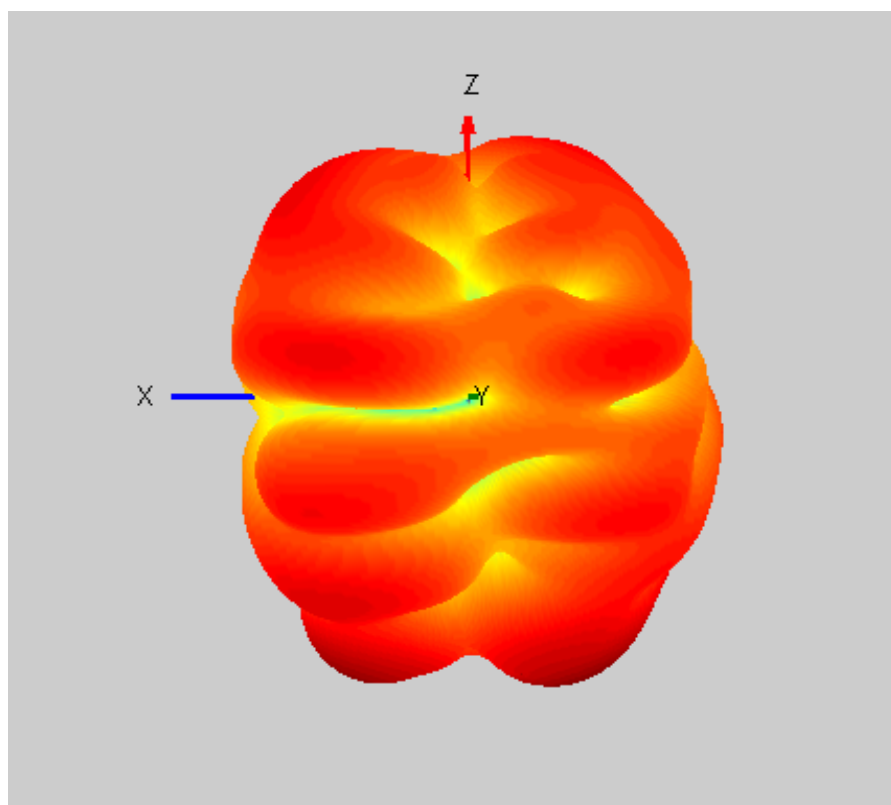
2.480Ghz 3.2046

Input impedance:



3. Radiation Pattern





3. Return Loss:



4. Theta:

[illegible]