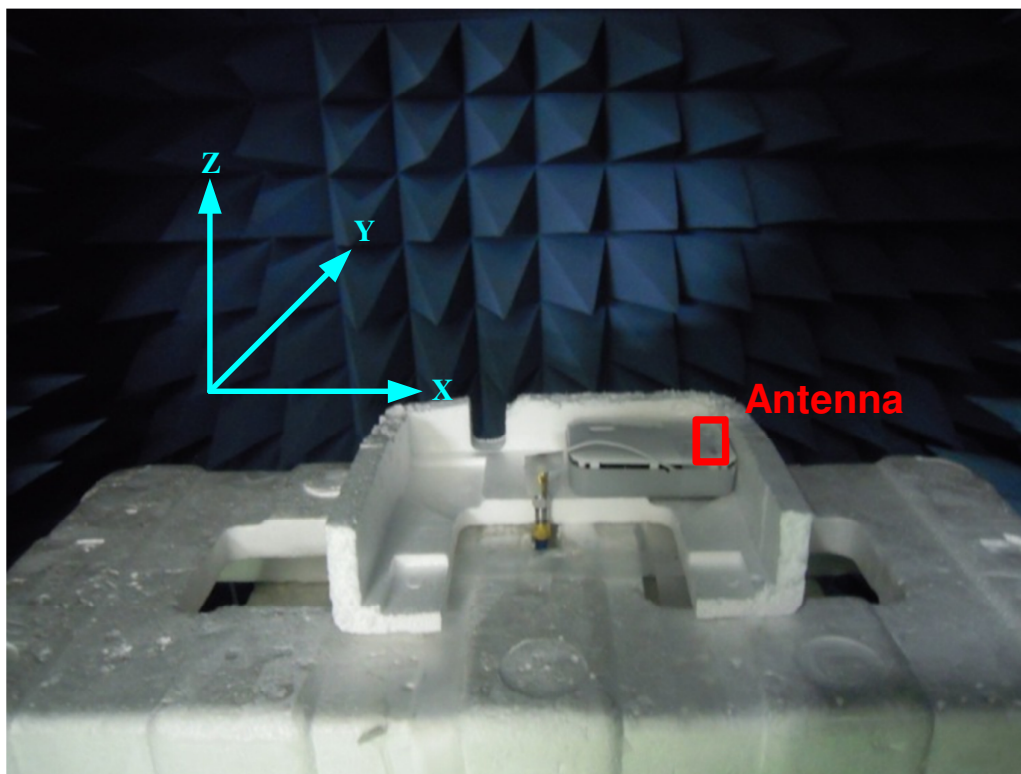
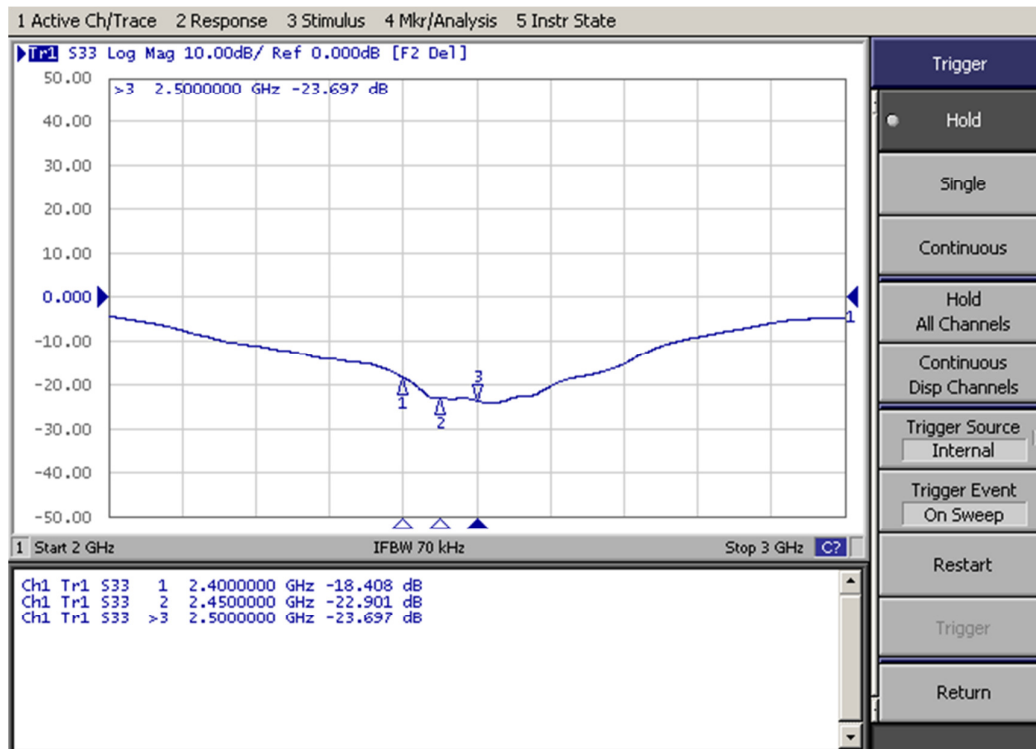


1. Experimental Setup



2. Return Loss

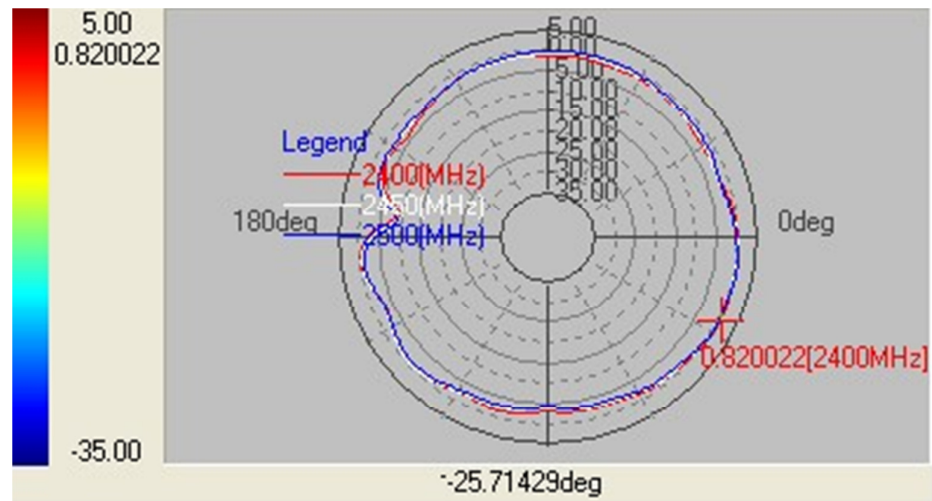


3. Radiation Pattern

White Housing

▲ Phi=0.00deg

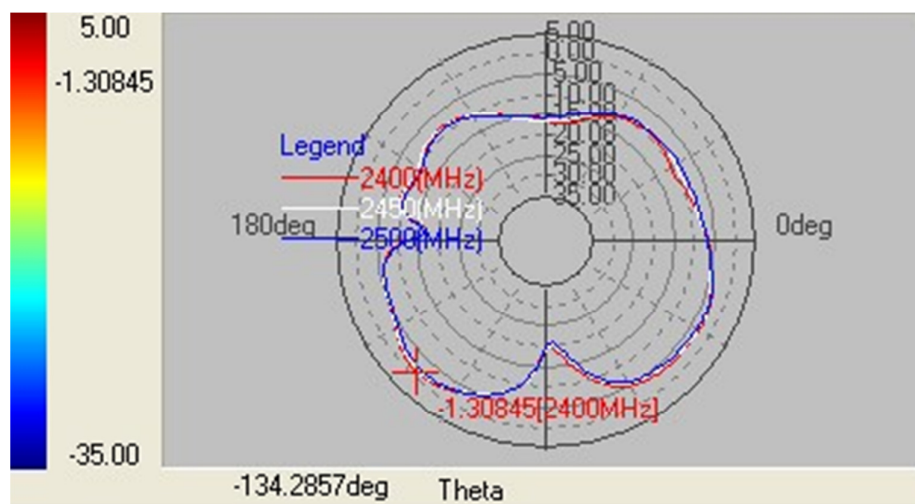
Gain Phi. dB



Layer	Max value	Average
2400(MHz)	0.82	-1.72
2450(MHz)	0.50	-1.76
2500(MHz)	0.64	-1.74

▲ Phi=0.00deg

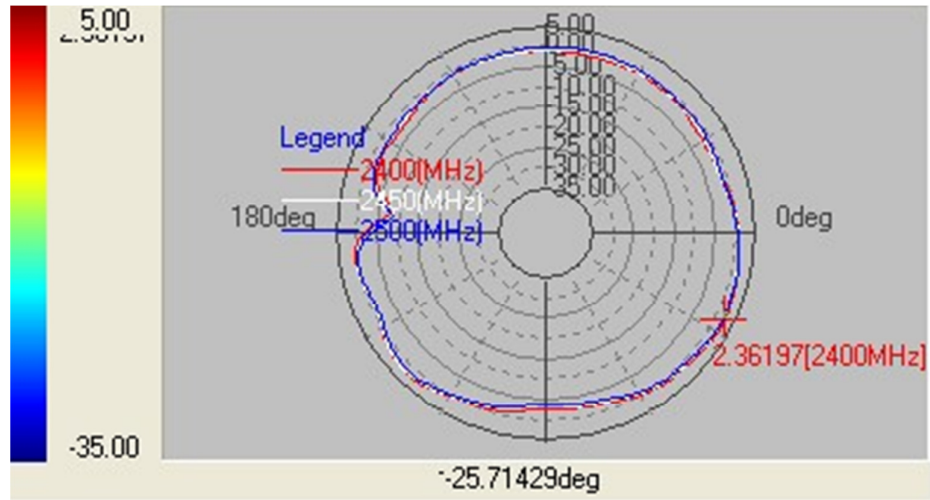
Gain Theta. dB



Layer	Max value	Average
2400(MHz)	-1.31	-6.95
2450(MHz)	-1.86	-7.17
2500(MHz)	-2.27	-7.32

▲ Phi=0.00deg

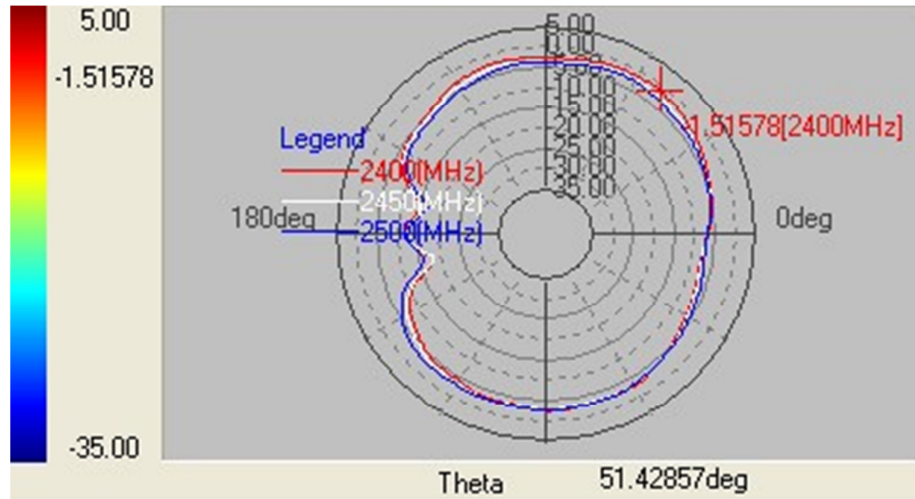
Gain . dB



Layer	Max value	Average
2400(MHz)	2.36	-0.58
2450(MHz)	2.00	-0.66
2500(MHz)	1.96	-0.68

▲ Phi=90.00deg

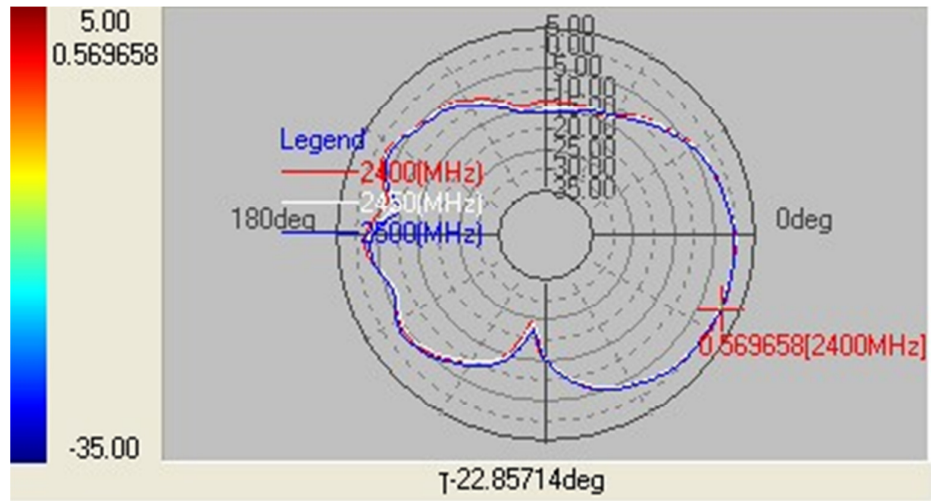
Gain Phi. dB



Layer	Max value	Average
2400(MHz)	-1.52	-4.55
2450(MHz)	-2.74	-4.90
2500(MHz)	-3.07	-4.98

Phi=90.00deg

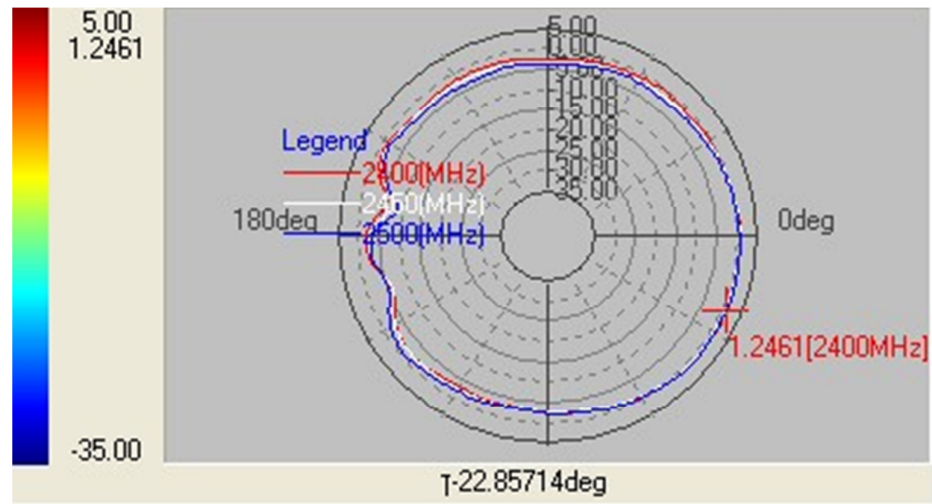
Gain Theta. dB



Layer	Max value	Average
2400(MHz)	0.57	-4.39
2450(MHz)	0.10	-4.73
2500(MHz)	0.39	-4.64

▲ Phi=90.00deg

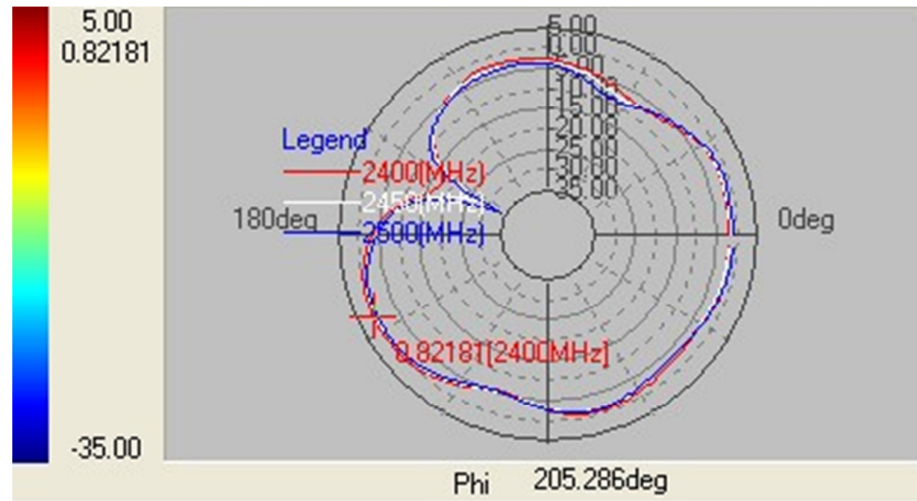
Gain . dB



Layer	Max value	Average
2400(MHz)	1.25	-1.46
2450(MHz)	0.84	-1.80
2500(MHz)	1.22	-1.79

▲ Theta=90.00deg

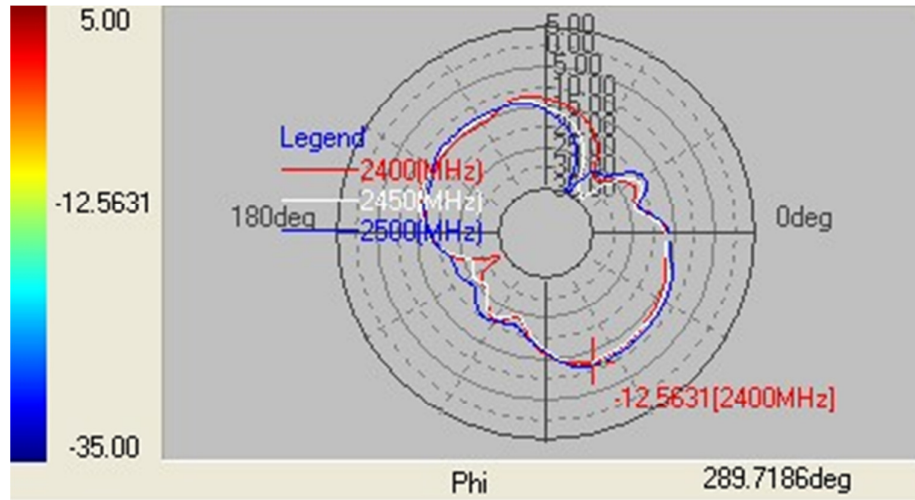
Gain Phi. dB



Layer	Max value	Average
2400(MHz)	0.82	-2.95
2450(MHz)	0.20	-3.37
2500(MHz)	-0.14	-3.40

▲ Theta=90.00deg

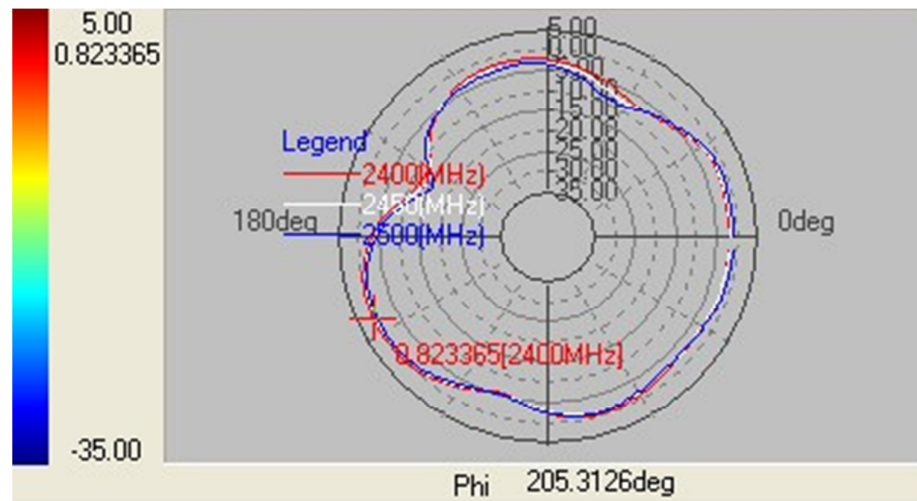
Gain Theta. dB



Layer	Max value	Average
2400(MHz)	-12.56	-16.37
2450(MHz)	-12.88	-16.53
2500(MHz)	-11.78	-16.04

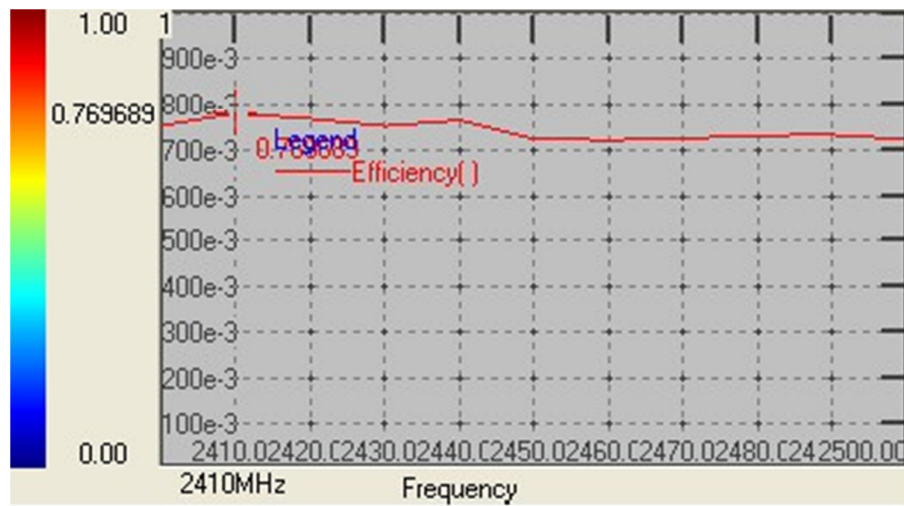
▲ Theta=90.00deg

Gain . dB



Layer	Max value	Average
2400(MHz)	0.82	-2.76
2450(MHz)	0.21	-3.17
2500(MHz)	-0.11	-3.17

4. Efficiency



Maximum Efficiency At 2.4 ~ 2.5 GHz : 76.96 %