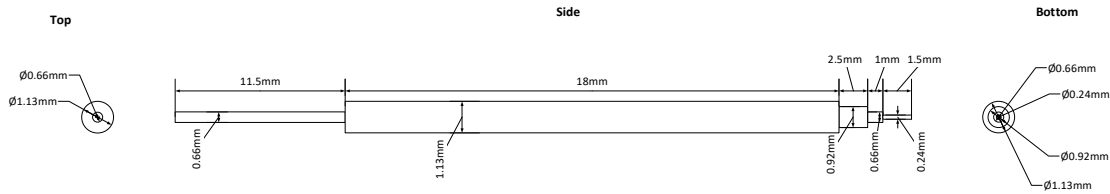


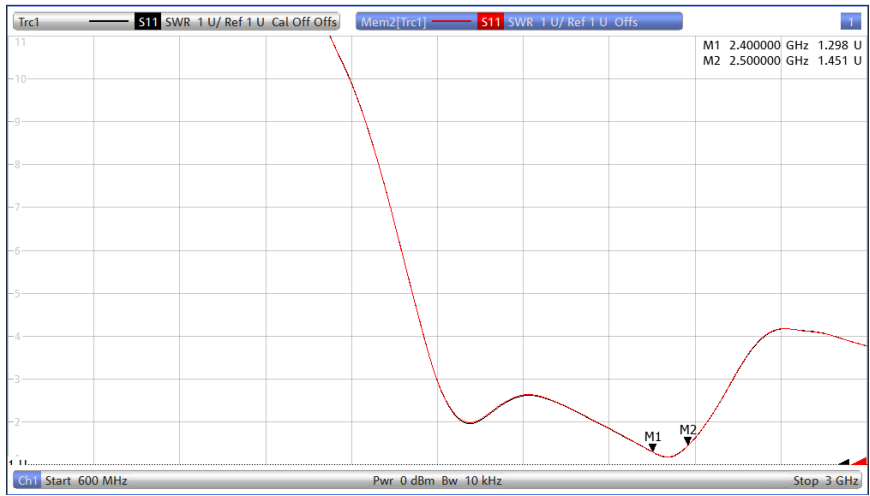
1. Antenna information

NO.	ITEM	SPEC
1	Frequency Range	2400~2480MHz
2	VSWR	≤ 2
3	Efficiency	$\geq 40\%$
4	Polarization	LP
5	Antenna gain (dBi)	2.57(Max)

2. Antenna size



3. Antenna VSWR



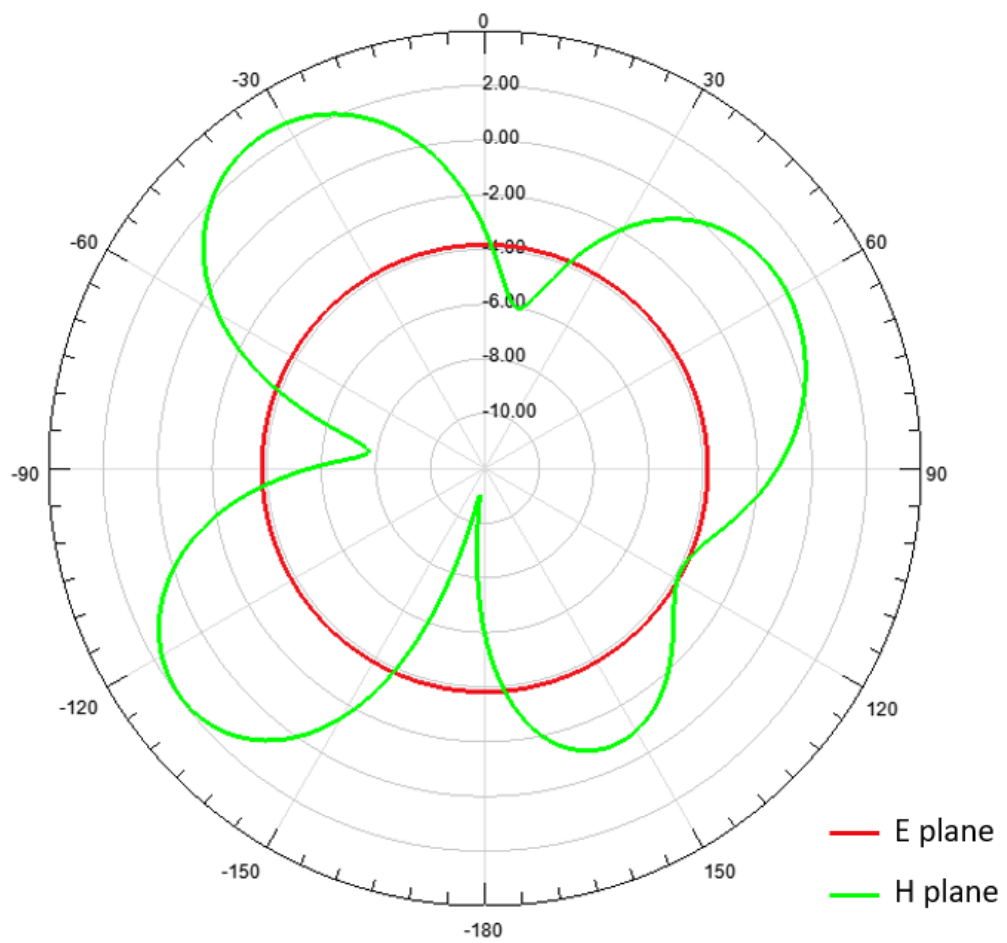
4. Antenna efficiency

Freq (MHz)	Effi (%)
2400	45.75
2410	45
2420	44.39
2430	44.73
2440	45.81
2450	46.63

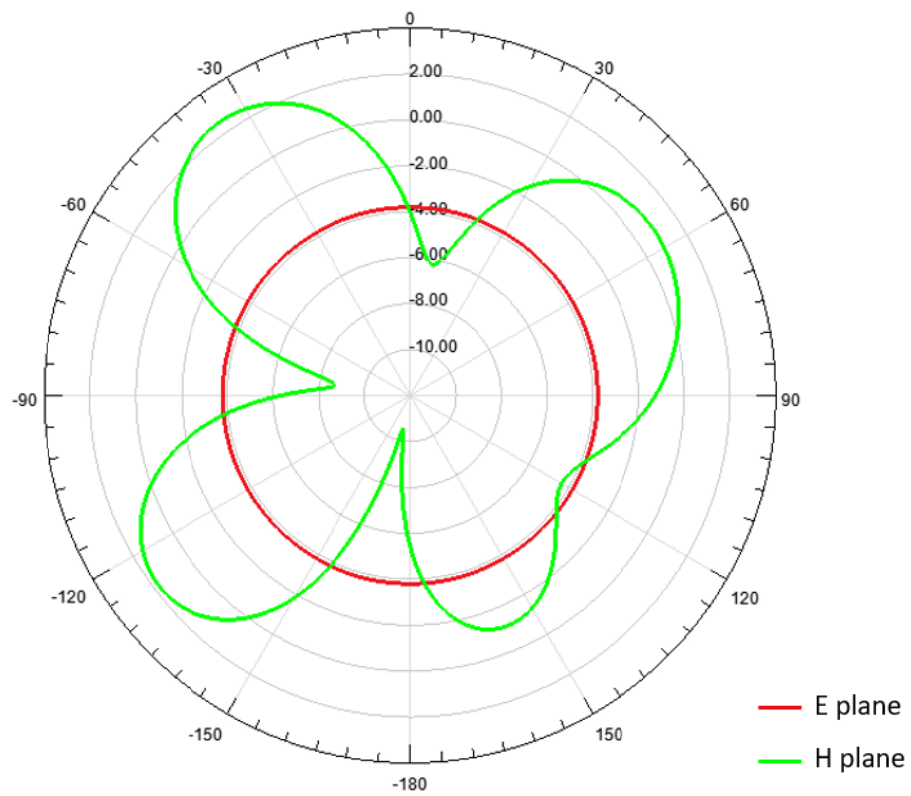
2460	45.65
2470	43.6
2480	43.65
2490	44.34
2500	43.75

5. Antenna gain

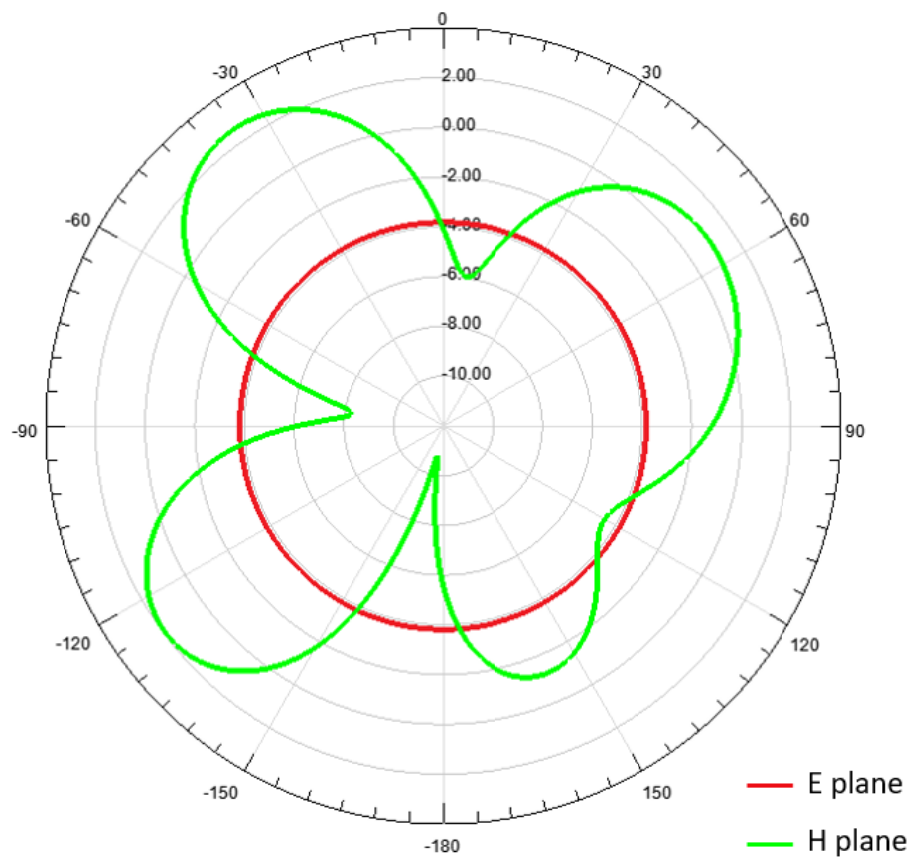
Antenna gain plot- 2.4GHz



Antenna gain plot- 2.44GHz



Antenna gain plot- 2.48GHz



Gain(dB)	2.4GHz		2.44GHz		2.48GHz	
deg	E-plane	H-plane	E-plane	H-plane	E-plane	H-plane
-180	-3.82	-5.93	-3.89	-5.75	-3.81	-5.48
-170	-3.84	-10.96	-3.87	-10.79	-3.80	-10.55
-160	-3.83	-6.17	-3.87	-6.39	-3.79	-6.69
-150	-3.80	-1.45	-3.88	-1.56	-3.79	-1.72
-140	-3.83	0.97	-3.89	0.93	-3.82	0.87
-130	-3.81	1.90	-3.88	1.89	-3.82	1.88
-120	-3.84	1.68	-3.89	1.68	-3.82	1.68
-110	-3.80	0.42	-3.87	0.39	-3.79	0.38
-100	-3.82	-1.99	-3.85	-2.10	-3.78	-2.17
-90	-3.80	-5.62	-3.87	-5.90	-3.78	-6.13
-80	-3.82	-7.57	-3.86	-7.83	-3.79	-8.04
-70	-3.84	-4.12	-3.86	-4.07	-3.83	-4.01
-60	-3.82	-0.70	-3.86	-0.60	-3.80	-0.51
-50	-3.81	1.43	-3.88	1.50	-3.81	1.57
-40	-3.82	2.48	-3.89	2.49	-3.79	2.51
-30	-3.81	2.57	-3.89	2.50	-3.83	2.44
-20	-3.84	1.70	-3.86	1.51	-3.82	1.35
-10	-3.82	-0.23	-3.86	-0.58	-3.78	-0.87
0	-3.82	-3.28	-3.87	-3.75	-3.80	-4.13
10	-3.82	-5.95	-3.89	-5.99	-3.82	-5.92
20	-3.80	-4.56	-3.87	-4.06	-3.79	-3.64
30	-3.84	-1.90	-3.85	-1.47	-3.82	-1.14
40	-3.81	-0.17	-3.85	0.12	-3.78	0.33
50	-3.81	0.65	-3.89	0.84	-3.78	0.96
60	-3.83	0.81	-3.88	0.92	-3.81	0.99
70	-3.81	0.48	-3.87	0.54	-3.82	0.57
80	-3.84	-0.23	-3.86	-0.19	-3.78	-0.17
90	-3.81	-1.25	-3.87	-1.23	-3.79	-1.19
100	-3.80	-2.49	-3.88	-2.49	-3.82	-2.46
110	-3.83	-3.59	-3.85	-3.72	-3.79	-3.78
120	-3.83	-3.85	-3.87	-4.19	-3.83	-4.50
130	-3.84	-2.97	-3.85	-3.42	-3.80	-3.89
140	-3.84	-1.72	-3.87	-2.10	-3.78	-2.52
150	-3.84	-0.91	-3.85	-1.18	-3.80	-1.46
160	-3.81	-1.01	-3.88	-1.15	-3.80	-1.27
170	-3.80	-2.43	-3.87	-2.43	-3.83	-2.38
180	-3.82	-5.93	-3.89	-5.75	-3.81	-5.48