

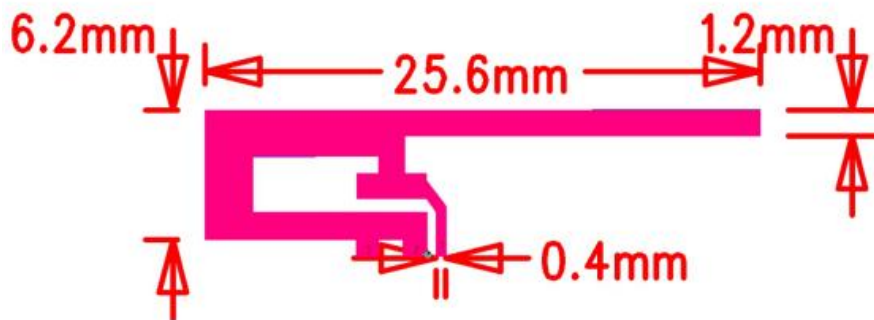
Antenna specification

1. Antenna describe:

Antenna plate	PCB Antenna
Make name/model name	F Antenna
Antenna gain	0dBi
Frequency range	2.402GHz-2.480GHz
Connector type	direct
Location of mearement(company name)	Dongguan Q & S Electronic Manufacturing Company Limited No.2,North 3rd Street, Xiangmang West Road, Qingxi Town, Dongguan City, Guangdong Province, China.

2.External view drawing:

Picture of antenna

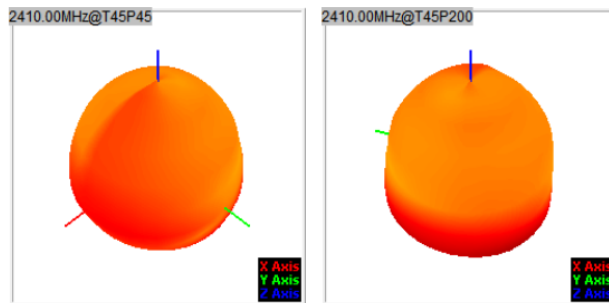


3. Antenna Radiation Pattern

FEATURES									
Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0
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
Tot. Rad. Pwr. (dBm)	-3.00	-2.94	-3.04	-2.73	-2.75	-2.89	-2.83	-2.67	-2.41
Peak EIRP (dBm)	0.18	0.02	0.00	0.25	0.28	0.05	0.01	-0.01	0.20
Directivity (dB)	3.18	2.96	3.04	2.97	3.03	2.94	2.84	2.66	2.60
Efficiency (dB)	-3.00	-2.94	-3.04	-2.73	-2.75	-2.89	-2.83	-2.67	-2.41
Efficiency (%)	50.10	50.80	49.70	53.40	53.10	51.40	52.10	54.10	57.40
Gain (dB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NI-PRP ±Pi/4 (dBm)	-4.27	-4.23	-4.35	-4.07	-4.11	-4.27	-4.23	-4.07	-3.82
NI-PRP ±Pi/6 (dBm)	-5.72	-5.68	-5.84	-5.58	-5.65	-5.81	-5.78	-5.62	-5.39
NI-PRP ±Pi/8 (dBm)	-6.86	-6.83	-7.01	-6.77	-6.86	-7.02	-6.99	-6.85	-6.63
Upper Hem. PRP (dBm)	-6.68	-6.62	-6.67	-6.33	-6.26	-6.33	-6.18	-5.94	-5.60
Lower Hem. PRP (dBm)	-5.43	-5.37	-5.50	-5.22	-5.31	-5.50	-5.54	-5.43	-5.25
Upper Hem. PRP (%)	21.47	21.77	21.54	23.29	23.66	23.26	24.13	25.48	27.56
Lower Hem. PRP (%)	28.64	29.05	28.15	30.07	29.47	28.18	27.94	28.63	29.88

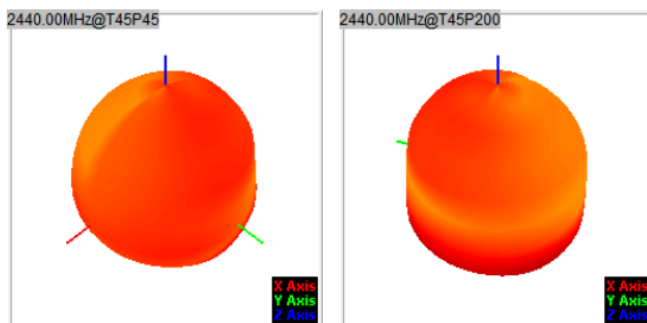
3.1.Radiation pattern@2.410GHZ

Total Average Gain:0.0dbi



3.2.Radiation pattern@2.440GHZ

Total Average Gain:0.0dbi



3.3.Radiation pattern@2.480GHZ

Total Average Gain:0.0dbi

