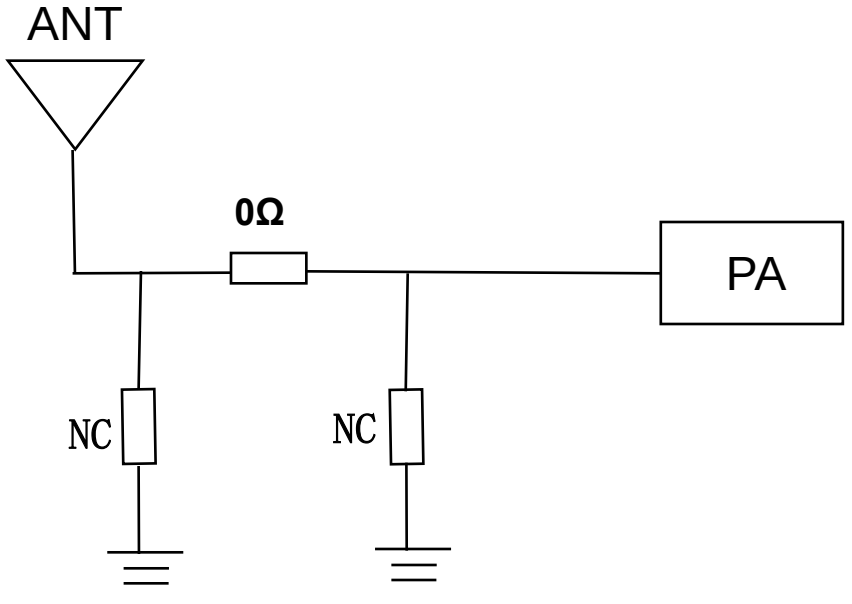
深圳市千目通讯科技有限公司

Shenzhen Qianmu Communication Technology Co.,Ltd.

Antenna Specification

Address: Shenzhen Baoan District Gucheng Street Huafeng Zhigu Hangcheng High-tech Industrial Park A2 Block 425

Matching Circuit - Main Antenna

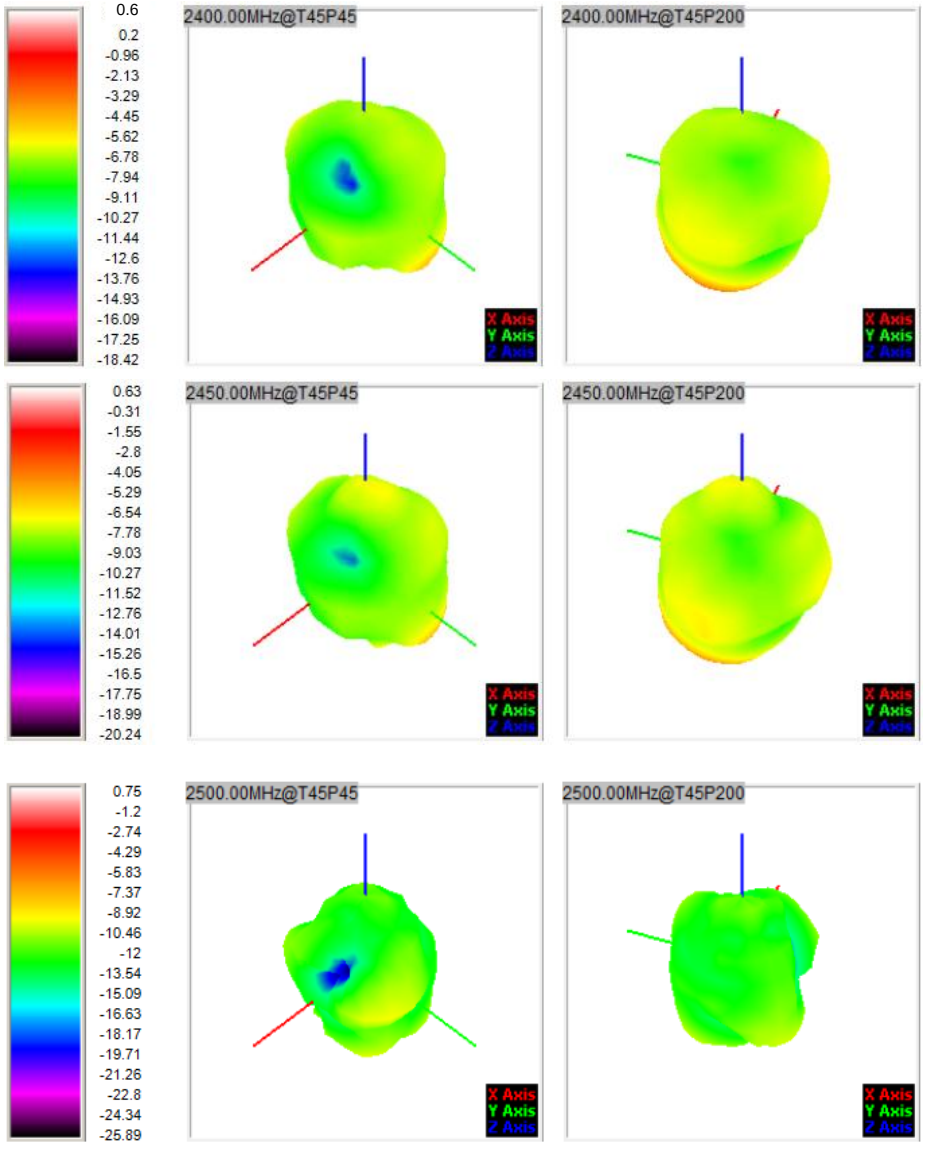


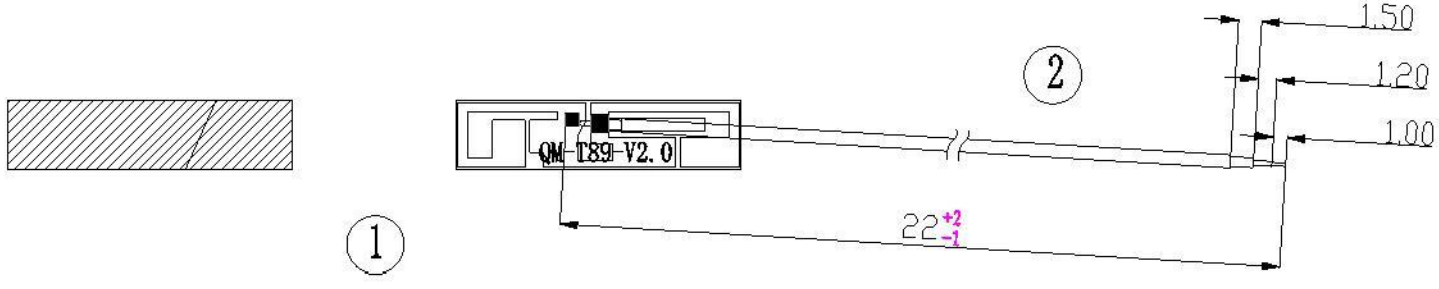
Antenna efficiency and gain：

FEITUKEJI											
Frequency ID	**1**	**3**	**5**	**7**	**9**	**11**	**13**	**15**	**17**	**19**	**21**
Frequency (MHz)	**2400.0**	**2410.0**	**2420.0**	**2430.0**	**2440.0**	**2450.0**	**2460.0**	**2470.0**	**2480.0**	**2490.0**	**2500.0**
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	0.00	0.00
Tot. Rad. Pwr. (dBm)	**-5.27**	**-5.25**	**-5.19**	**-4.86**	**-4.86**	**-4.64**	**-4.64**	**-4.91**	**-4.83**	**-4.77**	**-4.80**
Peak EIRP (dBm)	**0.70**	**0.67**	**0.61**	**0.78**	**0.62**	**0.69**	**0.49**	**0.14**	**0.34**	**0.62**	**0.75**
Directivity (dBi)	5.97	5.92	5.80	5.63	5.47	5.33	5.12	5.05	5.16	5.39	5.55
Efficiency (dB)	**-5.27**	**-5.25**	**-5.19**	**-4.86**	**-4.86**	**-4.64**	**-4.64**	**-4.91**	**-4.83**	**-4.77**	**-4.80**
Efficiency (%)	**29.70**	**29.90**	**30.20**	**32.70**	**32.70**	**34.40**	**34.40**	**32.30**	**32.90**	**33.30**	**33.10**
Gain (dBi)	0.60	0.57	0.61	0.58	0.62	0.63	0.49	0.14	0.34	0.62	0.75
NHPRP ±Pi/4 (dBm)	-6.52	-6.51	-6.47	-6.13	-6.13	-5.90	-5.89	-6.15	-6.04	-5.97	-5.98
NHPRP ±Pi/6 (dBm)	-7.98	-7.99	-7.95	-7.61	-7.61	-7.38	-7.37	-7.63	-7.53	-7.46	-7.47
NHPRP ±Pi/8 (dBm)	-9.15	-9.18	-9.14	-8.80	-8.80	-8.56	-8.54	-8.81	-8.71	-8.64	-8.66
Upper Hem. PRP (dBm)	-8.60	-8.55	-8.51	-8.19	-8.19	-8.01	-8.05	-8.39	-8.37	-8.39	-8.44
Lower Hem. PRP (dBm)	-7.99	-7.98	-7.92	-7.57	-7.57	-7.32	-7.28	-7.50	-7.36	-7.25	-7.26
Upper Hem. PRP (%)	13.82	13.96	14.09	15.18	15.17	15.82	15.67	14.49	14.56	14.50	14.33
Lower Hem. PRP (%)	15.90	15.91	16.16	17.50	17.50	18.55	18.72	17.78	18.37	18.84	18.78

Directional Diagram:

2.4G





Unit mm