

深圳市千目通讯科技有限公司

Shenzhen Qianmu Communication Technology Co.,Ltd.

Antenna Acknowledgement

Applicable model	Robot Camera-T01		
Customer	Shenzhen Tianchen Hechuang Technology Co., Ltd.		
Specification description			
	Product content	Specification	Customer material code
Specification description	WiFi antenna	FPC/Black/Silk Screen QM-WIFI 2.4G+First Generation Terminal 1.13 * 55mm	/
Change of resume			
Serial number	Date	Version	Brief description of the changes
1	2025-05-07	V1.0	New project
2			
3			

Supplier sample confirmation					
Research and development	Structure	Audit	Judgement		
			PASS FAIL		
Customer sample confirmation					
Electron	Structure	Project	Procurement	Quality	Audit
Reasons for rejection or other precautions:					

1、Active power test data

	WIFI2400~2500Mz 802.11b 11Mbps		
Channel	1	6	11
TRP	15.7	16.3	15.7
TIS	-82.4	-83.2	-83.1

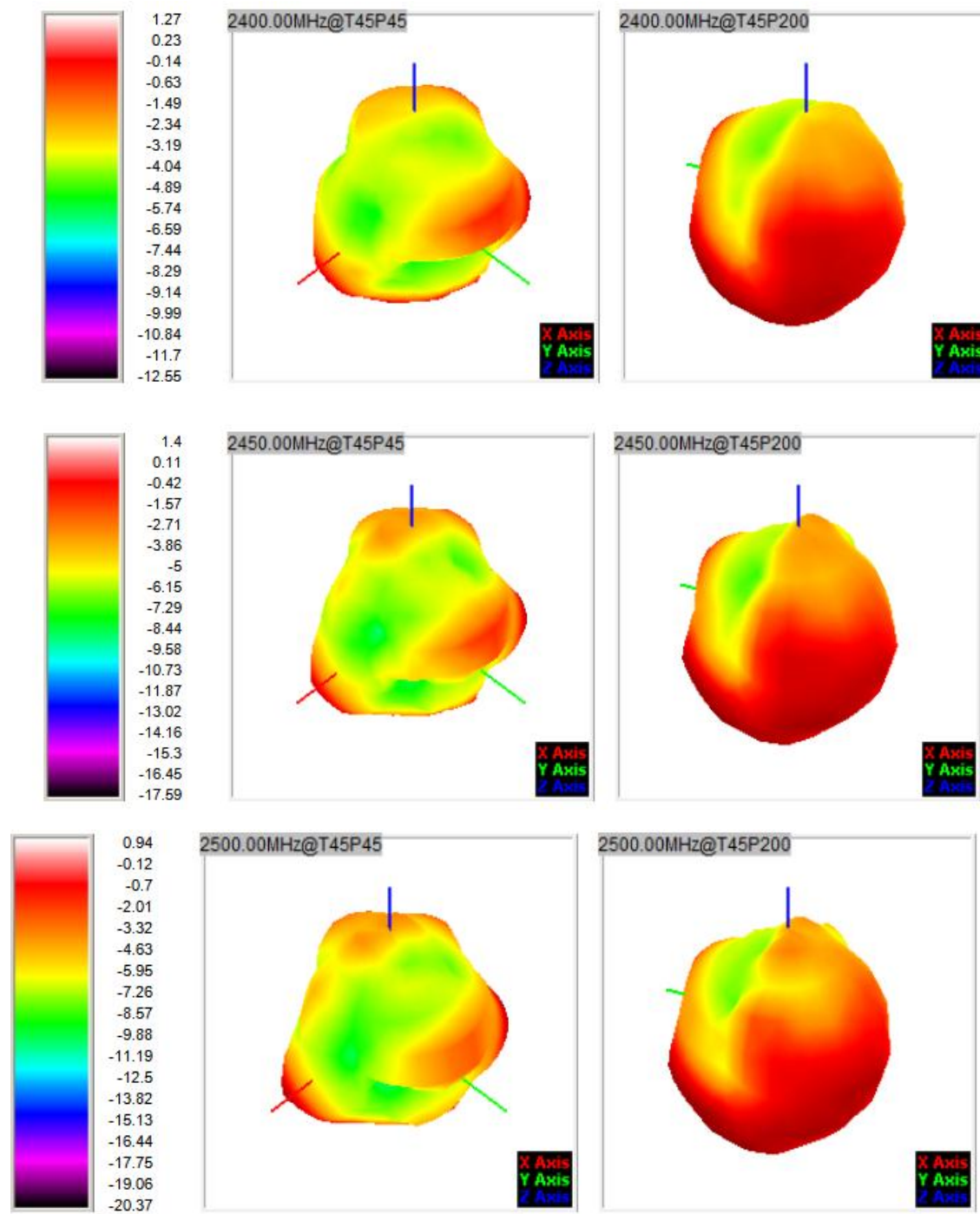
2、Antenna efficiency and gain

FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
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)	-4.53	-4.57	-4.50	-4.32	-4.31	-4.06	-4.15	-4.36	-4.39	-4.31	-4.40
Peak EIRP (dBm)	1.27	1.31	1.37	1.43	1.30	1.40	1.24	1.01	1.02	1.08	0.94
Directivity (dBi)	5.80	5.87	5.87	5.76	5.62	5.45	5.39	5.37	5.41	5.39	5.34
Efficiency (dB)	-4.53	-4.57	-4.50	-4.32	-4.31	-4.06	-4.15	-4.36	-4.39	-4.31	-4.40
Efficiency (%)	35.20	34.90	35.50	36.90	37.00	39.30	38.50	36.60	36.40	37.10	36.30
Gain (dBi)	1.27	1.31	1.37	1.43	1.30	1.40	1.24	1.01	1.02	1.08	0.94
NHPRP ±Pi/4 (dBm)	-4.85	-4.90	-4.84	-4.68	-4.68	-4.43	-4.52	-4.72	-4.74	-4.66	-4.77
NHPRP ±Pi/6 (dBm)	-5.24	-5.30	-5.25	-5.08	-5.08	-4.82	-4.90	-5.09	-5.10	-5.00	-5.10
NHPRP ±Pi/8 (dBm)	-5.64	-5.70	-5.65	-5.49	-5.48	-5.21	-5.27	-5.45	-5.44	-5.33	-5.42
Upper Hem. PRP (dBm)	-6.18	-6.20	-6.12	-5.92	-5.86	-5.59	-5.69	-5.94	-5.99	-5.93	-6.03
Lower Hem. PRP (dBm)	-9.54	-9.61	-9.56	-9.45	-9.54	-9.32	-9.40	-9.53	-9.48	-9.36	-9.45
Upper Hem. PRP (%)	24.09	23.99	24.43	25.60	25.93	27.60	27.00	25.48	25.17	25.50	24.94
Lower Hem. PRP (%)	11.12	10.94	11.06	11.35	11.11	11.70	11.49	11.15	11.27	11.60	11.35

Manufacturer: Shenzhen Qianmu Communication Technology Co.,Ltd.

Manufacturer Address: Nos. 425, 443, 4th Floor, Block A, Hangcheng High-tech Industrial Park, Huafeng Zhigu, Aviation Road, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen

3、 Directional pattern



4、 Antenna placement



5、 Structural drawings

