

Antenna test report

Product name:Dome Camera

Product model:TP1

Evaluation date:February 27, 2024

SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO., LTD

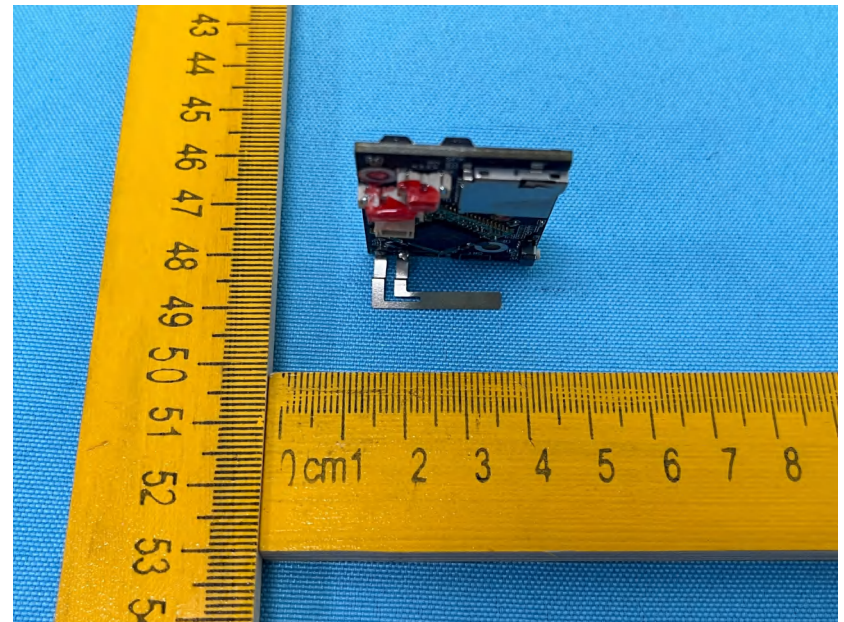
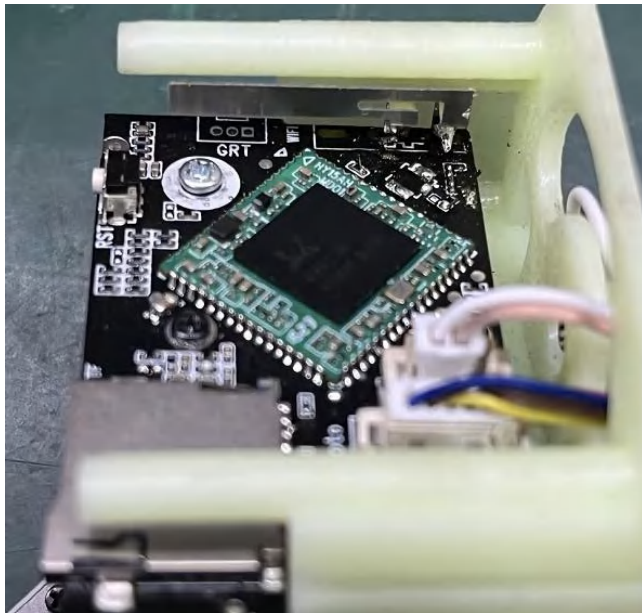
Edition record

Edition	Content	Update reason	Date
1.0	Antenna test	Initial issue	February 27, 2024

1.	E d i t i o n r e c o r d	·····
2.	P r o j e c t s i t u a t i o n	·····
3.	A n t e n n a a n d s t r u c t u r e f o r m	·····
4.	A n t e n n a m e s h t e s t d i a g r a m	·····
5.	A n t e n n a p a s s i v e t e s t d a t a	·····
6.	A n t e n n a t e s t 2 D 3 D d i a g r a m	·····
7.	O T A t e s t d a t a	·····

Product name	PTZ Dome Camera
Product model	TP1
Number of antennas	1
Antenna band	2400-2500 MHz
Structural form	Shrapnel Antenna

Antenna and structure form



Antenna mesh test diagram



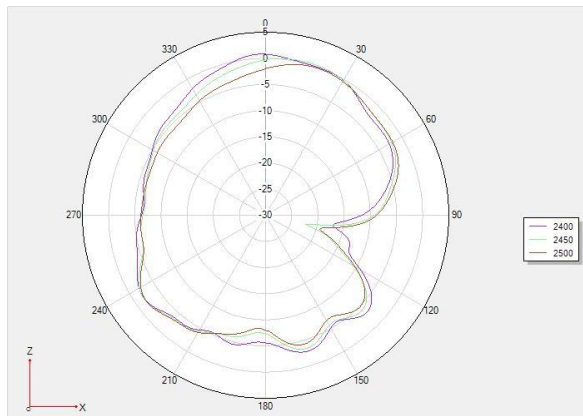
Antenna passive test data

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	53.55	1.32
2410	53.64	1.3
2420	52.42	1.63
2430	51.88	1.54
2440	51.45	1.38
2450	51.34	1.59
2460	50.81	1.56
2470	51.24	1.44
2480	51.13	1.47
2490	51.67	1.4
2500	50.92	1.39

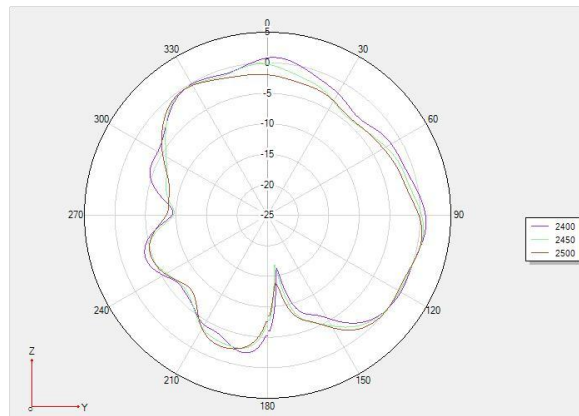
Gain=1.63dBi

Antenna test 2/3D diagram

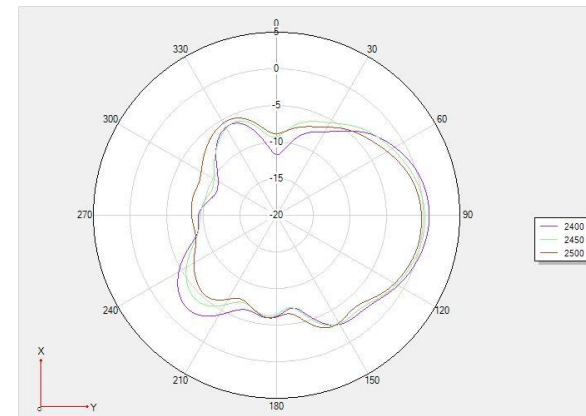
Phi 0 2D



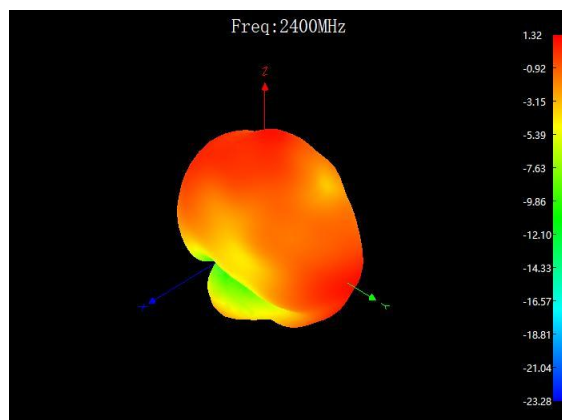
Phi 90 2D



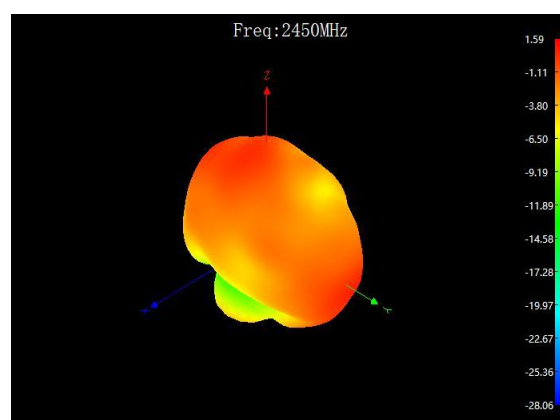
Theta 90 2D



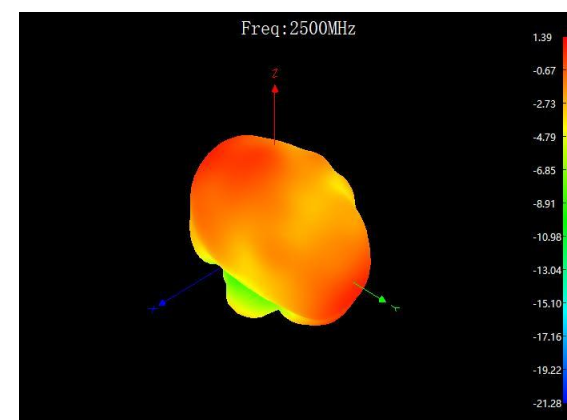
2400



2450



2500



Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Max	Min	Total
1	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	19.93	1.27	15.93
2	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	20.62	4.48	16.53
3	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	20.26	2.93	16.21
4	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	-66.85	-84.22	-80.14
5	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	-66.77	-84.37	-80.16
6	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	-67.64	-84.86	-80.81
7	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	1	2412	17.66	0.58	13.65
8	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	6	2437	18.93	1.76	14.74
9	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	11	2462	19.08	1.84	14.92
10	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	1	2412	-55.26	-72.13	-67.12
11	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	6	2437	-50.25	-71	-66.05
12	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	11	2462	-48.89	-70.07	-65.91
13	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	1	2412	17.55	2.29	13.47
14	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	6	2437	18.12	-0.47	14.12
15	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	11	2462	18.43	0.3	14.27
16	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	1	2412	-45.86	-66.25	-62.18
17	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	6	2437	-40.81	-64.31	-61.28
18	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	11	2462	-47.73	-63.6	-60.22

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