

Antena Test Report



顺达成科技

专业的4G/3G/GPS/WIFI等天线方案设计及供应商



Customer Name: Yi Jing

Project Name: YK16-10.1

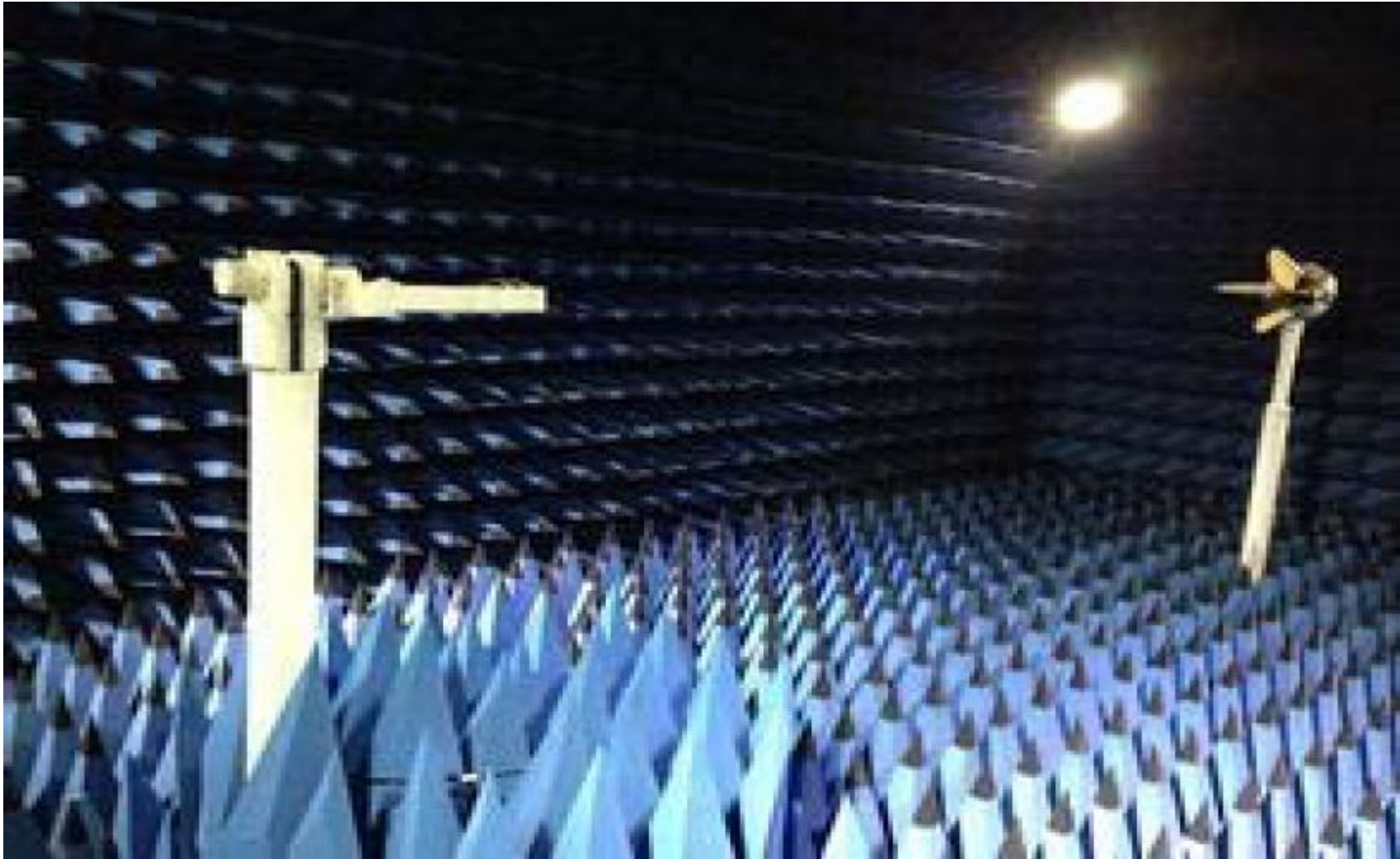
Band: WIFI(2.4G/5G)

Version: A

Date: 2025-7-16



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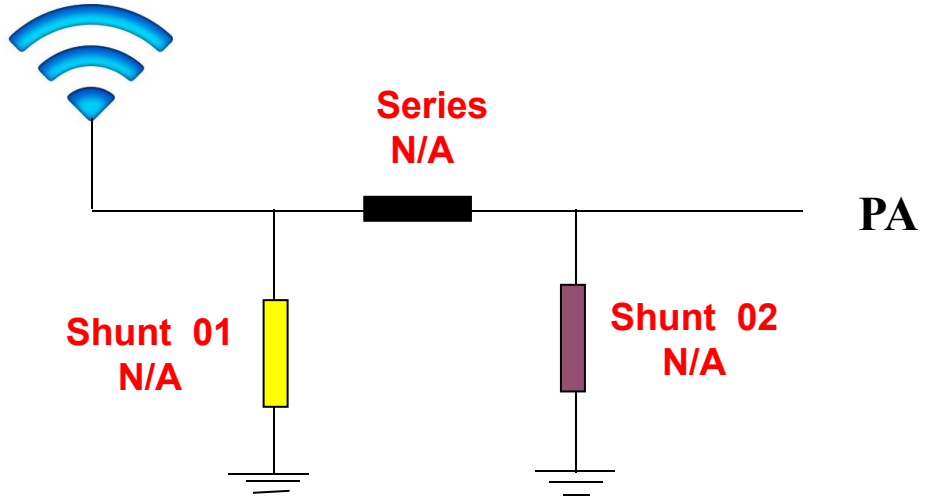




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Antenna

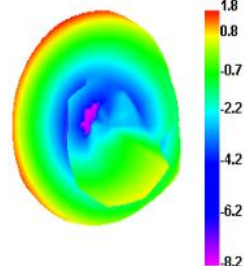


Location	Description
Shunt 01	N/A
Series	N/A
Shunt 02	N/A

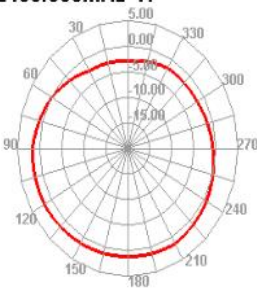
Gain & Efficiency

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	43.54	-2.48	1.83	-0.32	17.389	29.472	1.83	-14.49	2.48	15	48.23	48.39
2425	41.49	-2.48	1.41	-0.74	18.417	29.835	1.41	-13.41	2.48	45	48.32	48.45
2450	42.67	-1.39	2.45	0.3	21.85	33.465	2.45	-10.87	1.39	45	48.74	48.76
2475	44.13	-1.73	2.34	0.19	22.928	33.441	2.34	-12.82	1.73	45	49.07	49
2500	42.24	-2.35	1.52	-0.63	24.306	32.003	1.52	-15.53	2.35	45	49.2	49.11

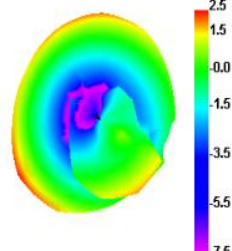
2400.000MHz



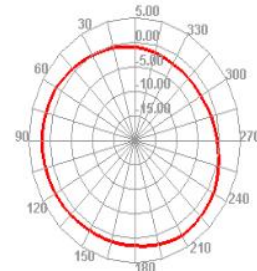
2400.000MHz H



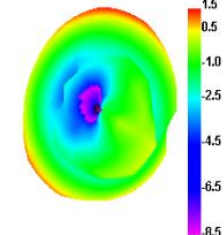
2450.000MHz



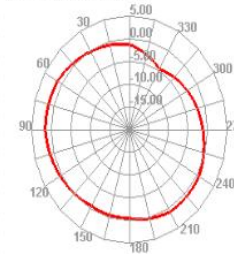
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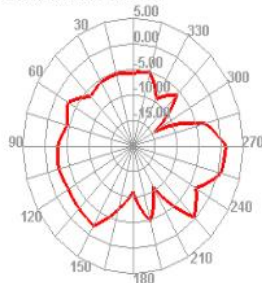
2500.000MHz



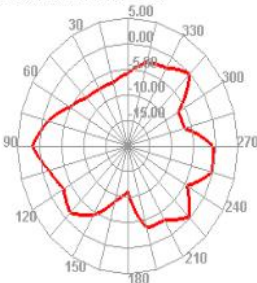
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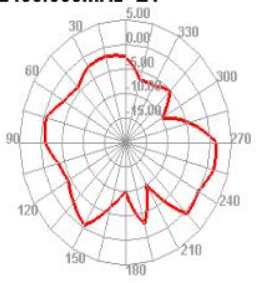
2400.000MHz E1



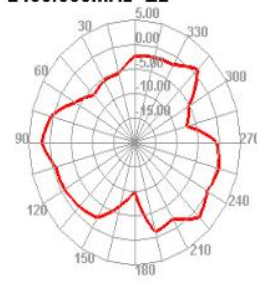
2400.000MHz E2



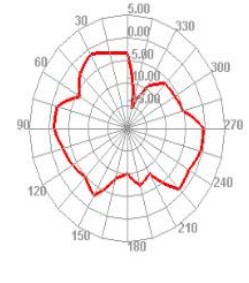
2450.000MHz E1



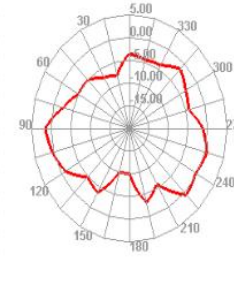
2450.000MHz E2



2500.000MHz E1

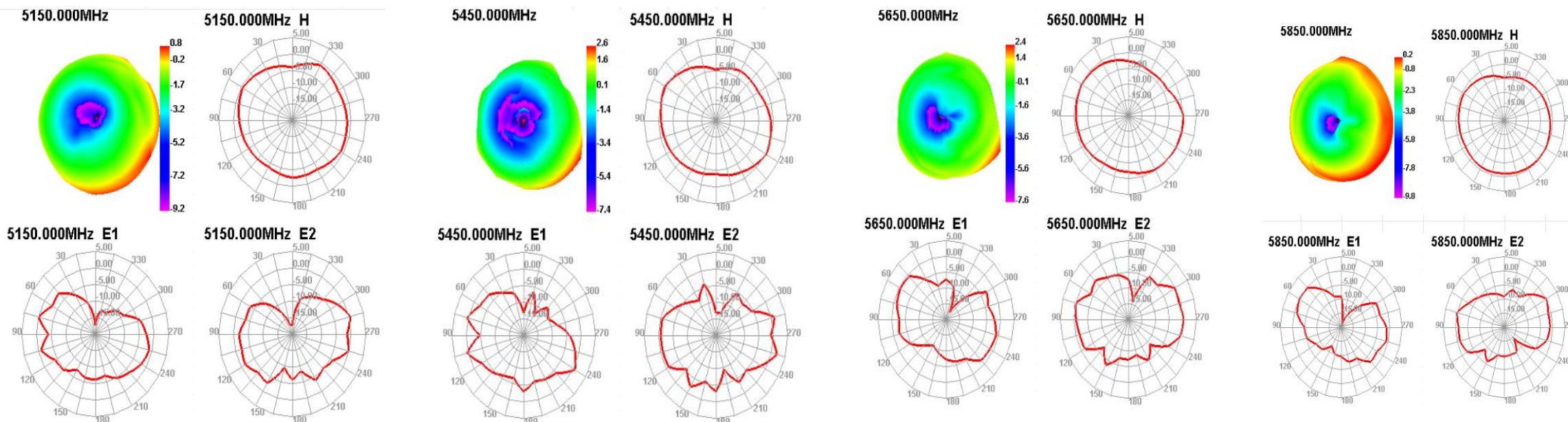


2500.000MHz E2



Gain & Efficiency

Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	38.95	-3.28	0.81	-1.34	7.201	36.618	0.81	-20.83	3.28	0	58.24	57.86
5250	39.64	-2.95	0.91	-1.24	6.263	38.062	0.91	-15.18	2.95	0	58.55	58.24
5350	40.44	-2.97	1.4	-0.75	7.007	43.074	1.4	-14.75	2.97	0	58.32	57.64
5450	42.28	-2.5	2.61	0.46	8.396	42.707	2.61	-13.4	2.5	15	59.47	58.22
5550	43.54	-2.48	2.9	0.75	10.552	44.81	2.9	-15.89	2.48	30	59.98	58.53
5650	40.79	-2.61	2.41	0.26	12.48	46.783	2.41	-17.61	2.61	60	60.3	59.1
5750	39.87	-2.16	2.21	0.06	11.541	41.964	2.21	-16.6	2.16	30	60.64	59.72
5850	40.7	-3.21	0.24	-1.91	11.632	41.202	0.24	-22.34	3.21	30	61.06	60.22



WIFI OTA Data



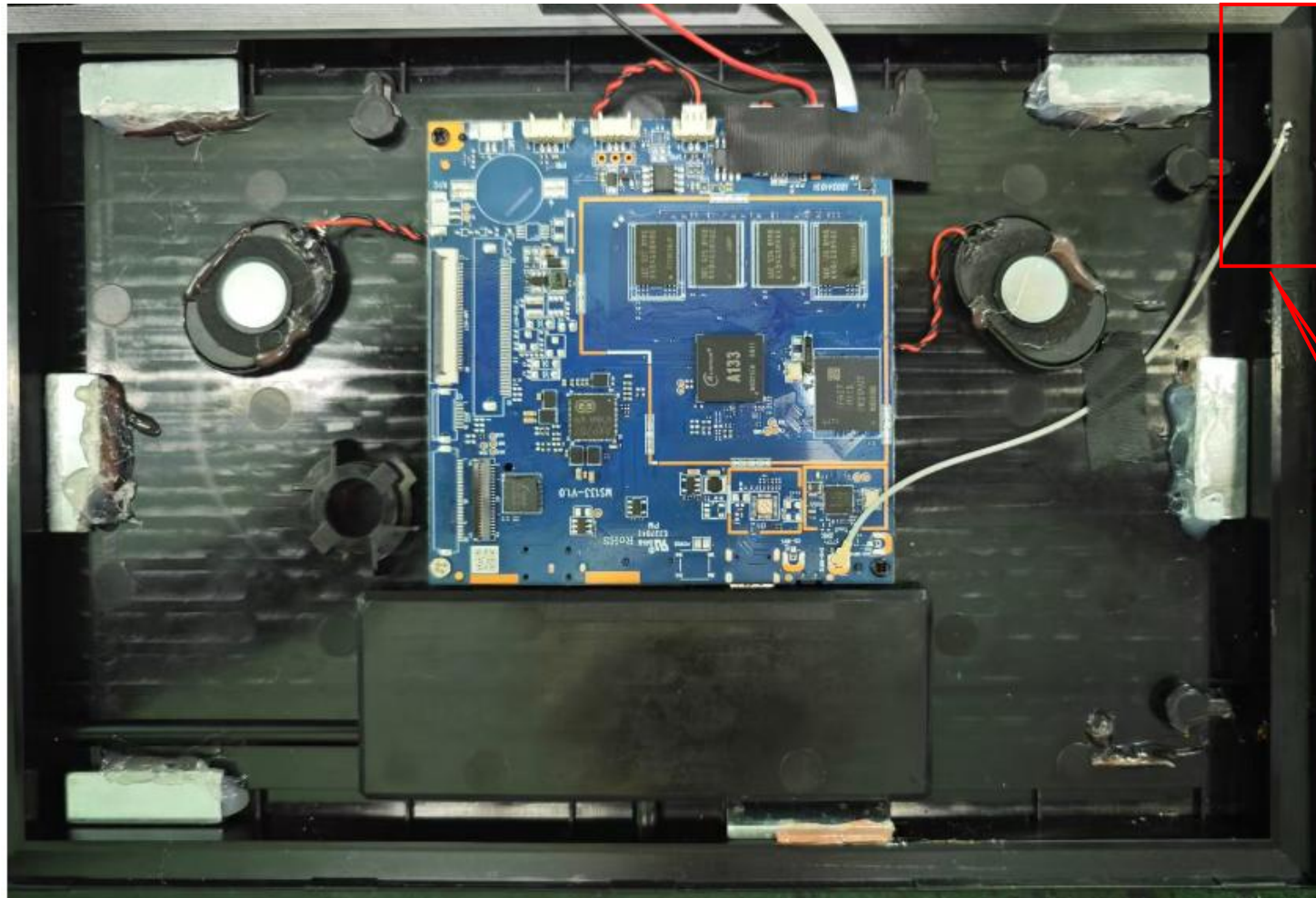
2.4G	802.11b, (2.4G)11M		
Channel	CH1	CH6	CH11
TRP	14.85	14.69	14.38
TIS	-73.12	-73.67	-73.13

5G	802.11a, 54M		
Channel	CH36	CH60	CH161
TRP	12.59	12.47	12.42
TIS	-69.66	-69.16	-70.71

Antenna installation location



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WiFi antenna



Thanks