



Antenna Part Specification

Project name:	PD1105TAL
Type:	WIFI antenna module
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,A Block,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version:	V1.0
Date:	2024.10.10



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.10.10	First edition	First edition	V1.0



I: The report of passive data

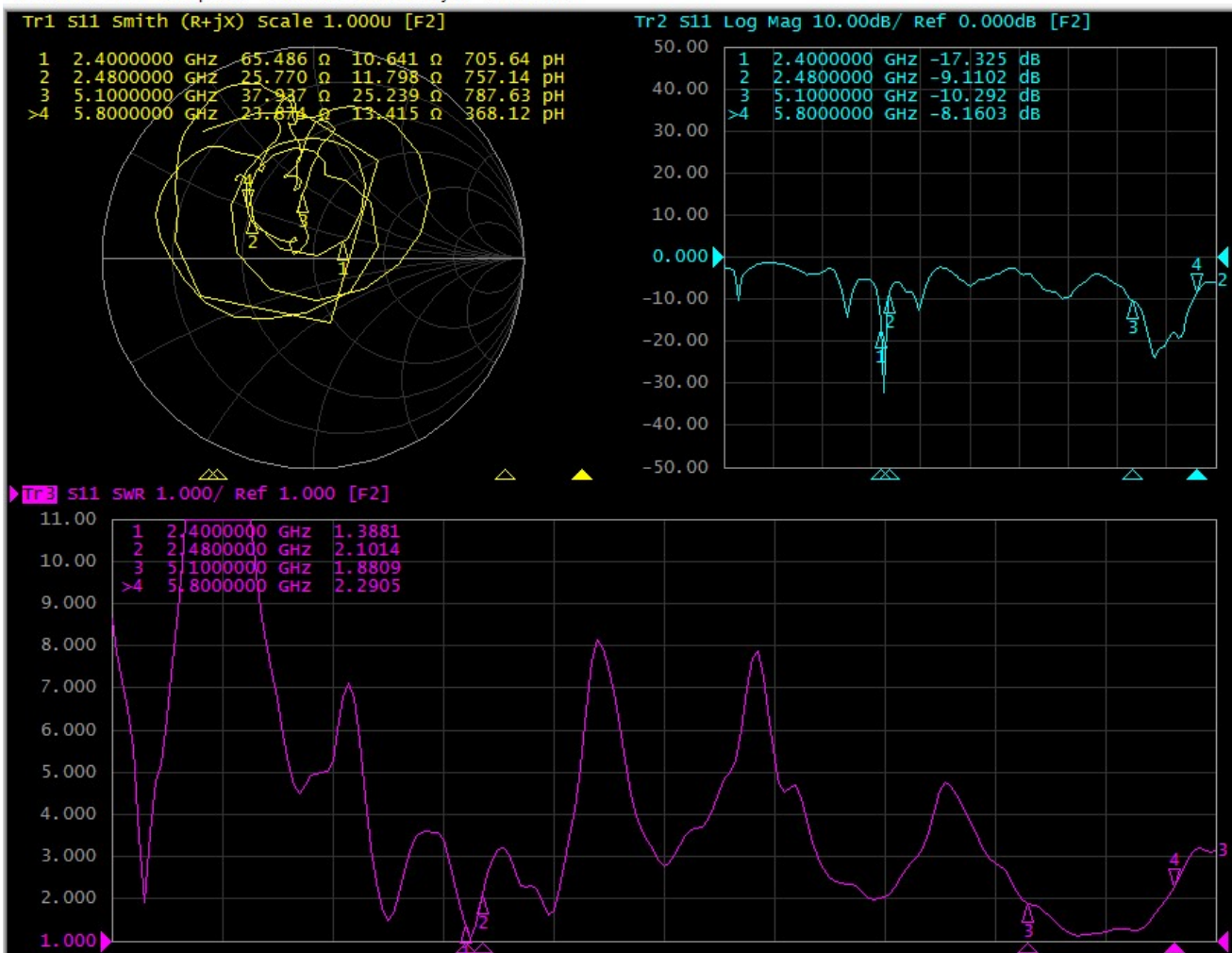


Angilent E5071C

S11 parameter

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



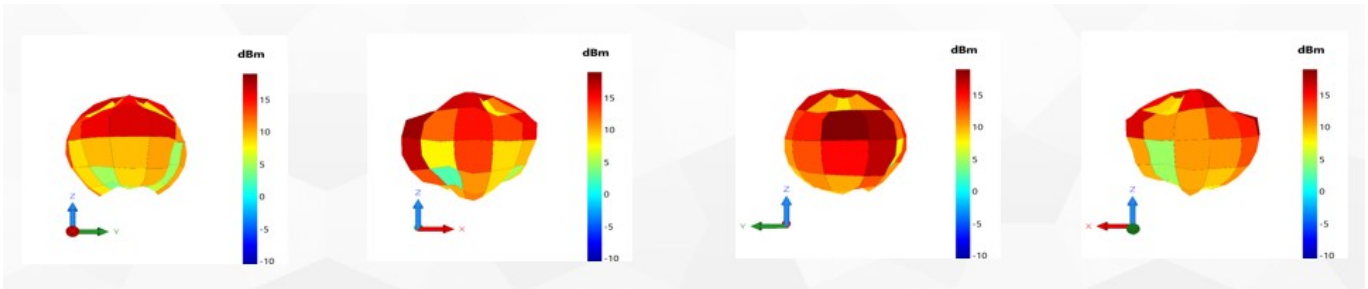


Efficiency:

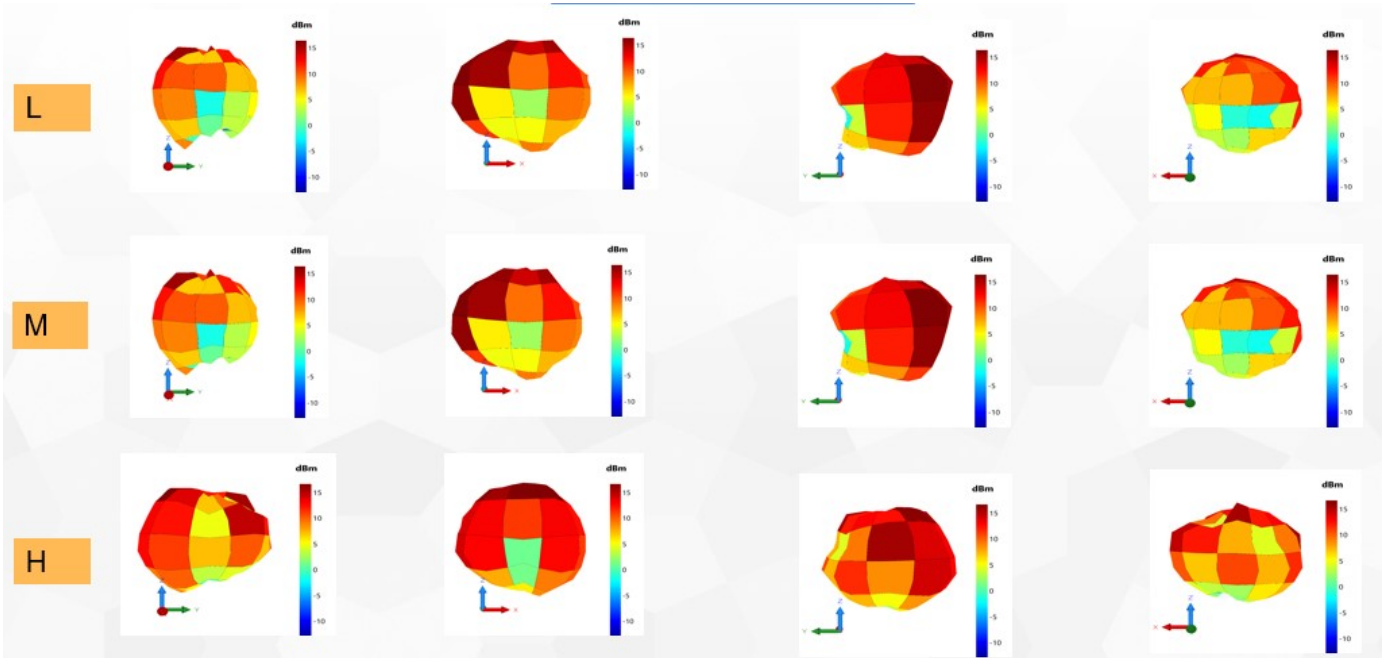
Frequency (MHz)	Gain	Efficiency (dB)	Efficiency	Frequency (MHz)	Gain	Efficiency (dB)	Efficiency
2400	1.0	-5.8	26.2	5100	2.3	-6.6	24.8
2410	1.0	-5.7	26.8	5120	2.0	-6.6	25.2
2420	1.0	-5.6	27.3	5140	1.1	-6.9	23.7
2430	0.7	-5.8	26.3	5160	0.1	-7.0	22.6
2440	0.4	-6.0	25.3	5180	-0.3	-7.4	21.7
2450	0.4	-5.9	25.7	5200	-0.5	-7.4	23.0
2460	0.0	-6.1	24.6	5220	-0.4	-7.2	24.8
2470	-0.1	-6.0	25.4	5240	-0.5	-7.5	23.3
2480	-0.4	-6.0	25.4	5260	-0.3	-7.3	24.9
Average value	0.4	-5.9	25.9	5280	0.0	-7.6	23.9
				5300	0.6	-7.3	24.7
				5320	1.4	-6.6	26.5
				5340	1.7	-6.8	23.8
				5360	2.3	-6.4	24.6
				5380	2.8	-6.2	24.2
				5400	2.8	-6.6	21.7
				5420	2.9	-6.2	23.8
				5440	2.3	-6.8	20.6
				5460	1.8	-6.5	20.7
				5480	1.8	-5.8	22.8
				5500	1.0	-5.8	21.2
				5520	0.5	-5.6	21.9
				5540	0.2	-5.6	21.4
				5560	0.1	-5.4	22.7
				5580	0.5	-5.0	25.5
				5600	0.0	-5.5	23.3
				5620	-0.6	-5.6	23.2
				5640	0.3	-5.1	26.5
				5660	0.9	-5.5	25.3
				5680	0.9	-6.2	21.9
				5700	1.2	-6.1	22.9
				5720	1.1	-6.5	22.5
				5740	1.5	-6.3	24.9
				5760	1.2	-6.4	25.8
				5780	0.4	-7.0	23.1
				5800	0.3	-6.8	24.0
				Average value	0.9	-6.4	23.5



3D Field Pattern Diagram (2.4G)



3D Field Pattern Diagram (5G)





II: 3D Active test report of antenna

54M	Channel	TRP	TIS
WIFI A	CH 36	10.36	-70.96
	CH 64	11.45	-72.61
	CH 161	11.22	-71.75
11M	Channel	TRP	TIS
WIFI B	CH 1	12.51	-84.04
	CH 6	12.22	-83.73
	CH 11	12.17	-83.01
65M	Channel	TRP	TIS
WIFI N	CH 36	9.02	-67.52
	CH 64	10.62	-69.11
	CH 161	10.25	-67.91
65M	Channel	TRP	TIS
WIFI N	CH 1	9.30	-66.88
	CH 6	9.03	-67.28
	CH 11	8.17	-66.62



OTA Standard Chamber



III: Structure file

