



Antenna Part Specification

Project name:	CA-7580B
Material category:	WIFI antenna
Antenna type:	PIFA
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version:	V2.0
Date:	2024.12.17



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.6.22	First edition	First edition	V1.0
2024.12.17	Image file update	Image file update	V2.0



I: The report of passive data

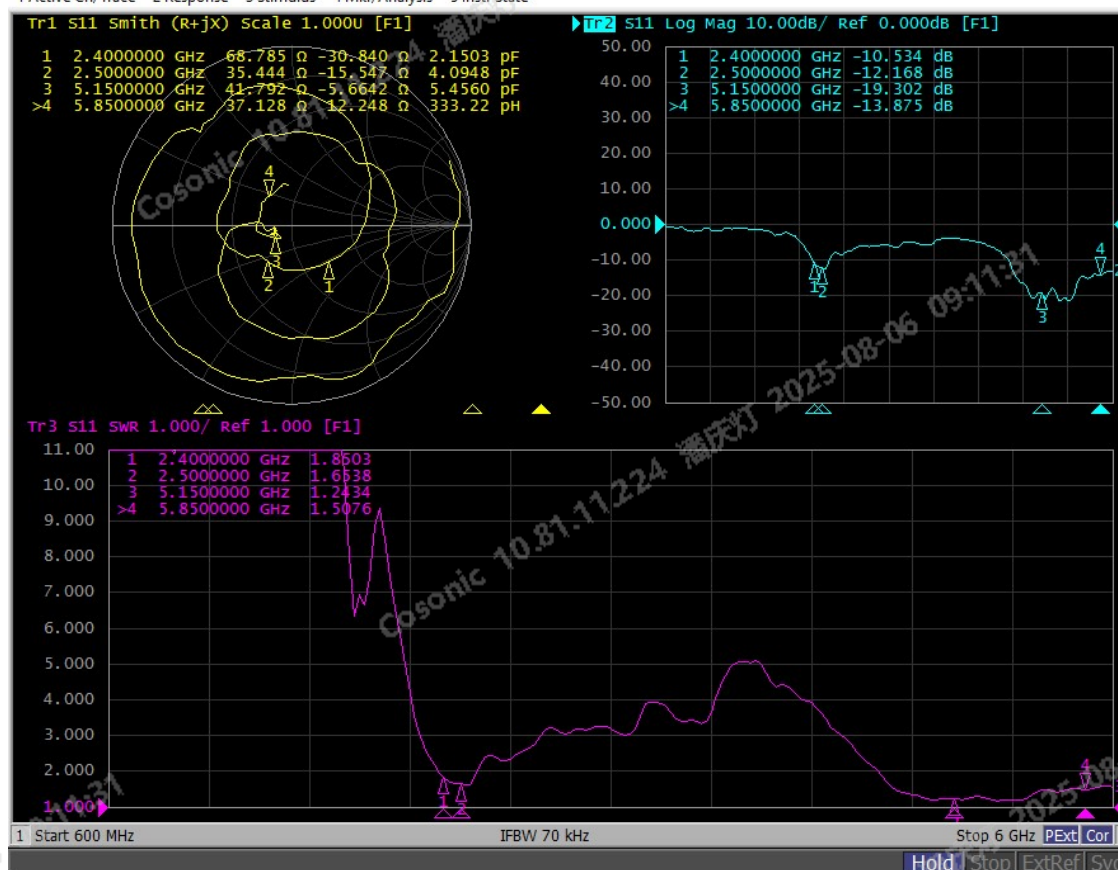


Agilent E5071C

antenna S11 parameter:

E5071C Network Analyzer

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



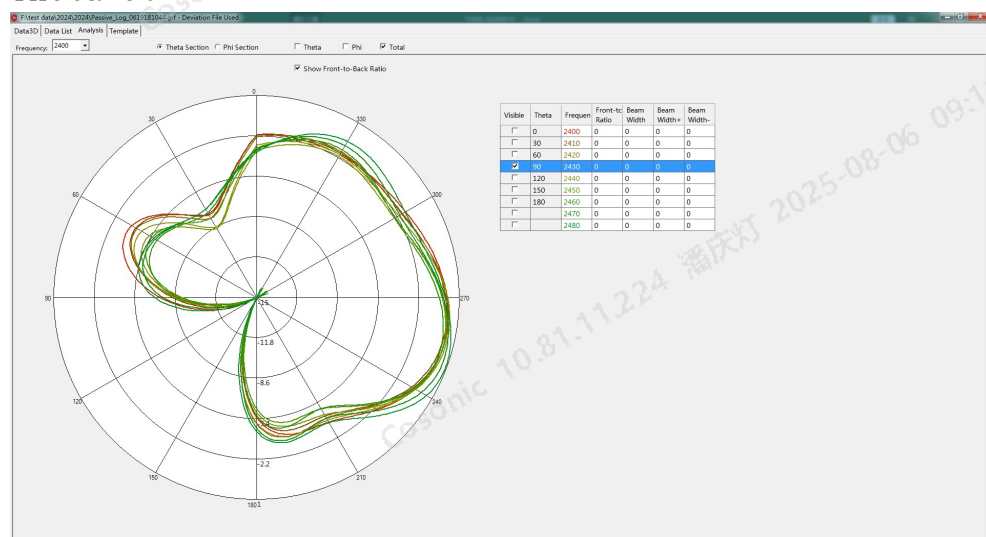


Efficiency:

WIFI							
Frequency (Mhz)	Gain(dBi)	Efficiency (db)	Efficiency (%)	Frequency (Mhz)	Gain(dBi)	Efficiency (db)	Efficiency (%)
2400	0.4	-3.1	49.5	5150	3.5	-3.7	43.0
2410	0.4	-3.1	49.0	5200	2.9	-4.0	39.8
2420	0.3	-3.2	48.0	5250	2.7	-3.8	41.4
2430	0.1	-3.4	45.4	5300	2.7	-3.5	44.9
2440	-0.2	-3.6	43.3	5350	2.6	-3.7	42.3
2450	-0.1	-3.6	43.7	5400	1.9	-3.9	41.1
2460	-0.5	-3.8	41.7	5450	1.6	-4.0	39.5
2470	0.0	-3.5	44.4	5500	2.9	-3.5	44.5
2480	0.5	-3.2	47.3	5550	2.3	-3.8	41.9
AVG	0.1	-3.4	45.8	5600	2.0	-4.1	38.7
				5650	2.4	-3.8	41.4
				5700	2.4	-3.7	42.2
				5750	2.7	-3.7	42.4
				5800	2.4	-3.6	43.5
				5850	2.6	-3.6	44.1
				AVG	2.5	-3.8	42.0

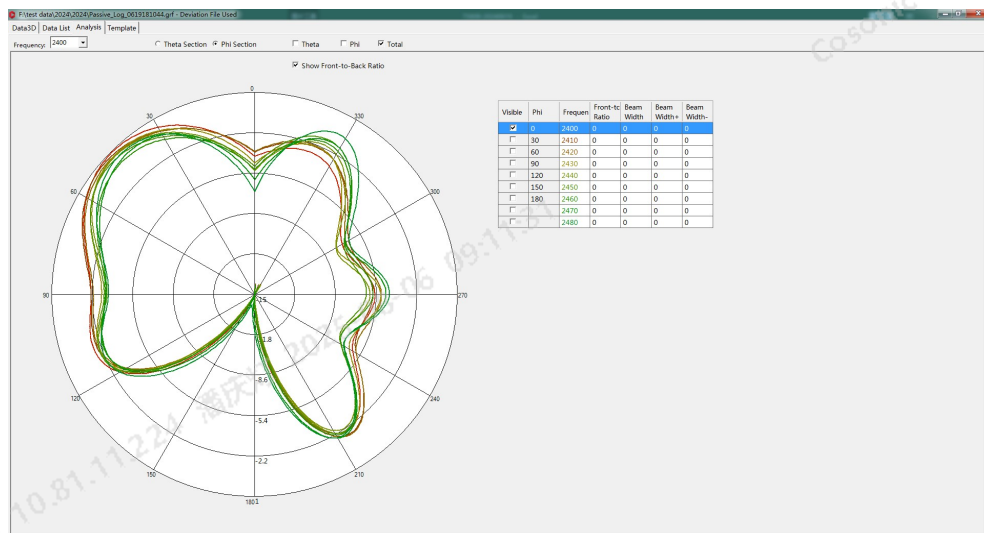
2D Antenna radiation pattern: (2.4G)

Theta=90°

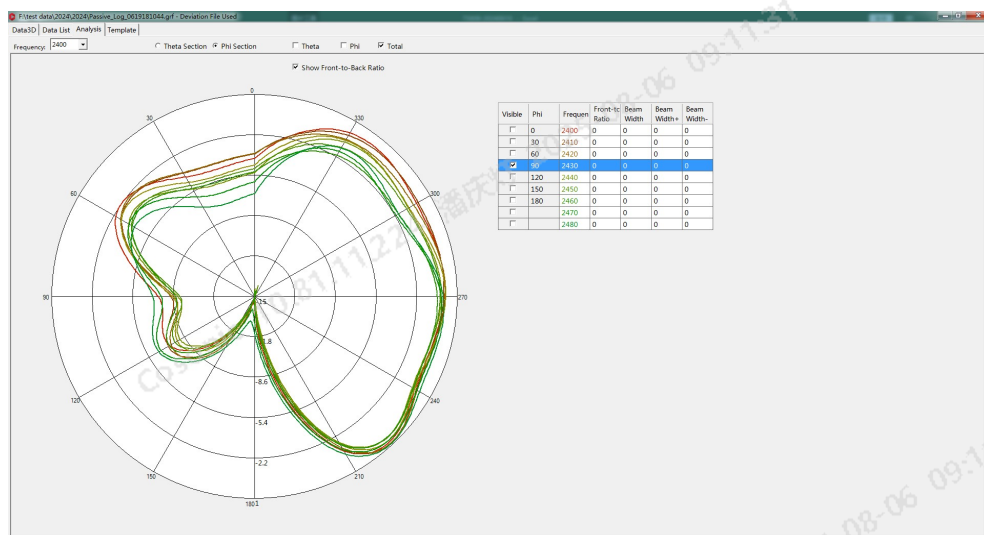




Phi=0°

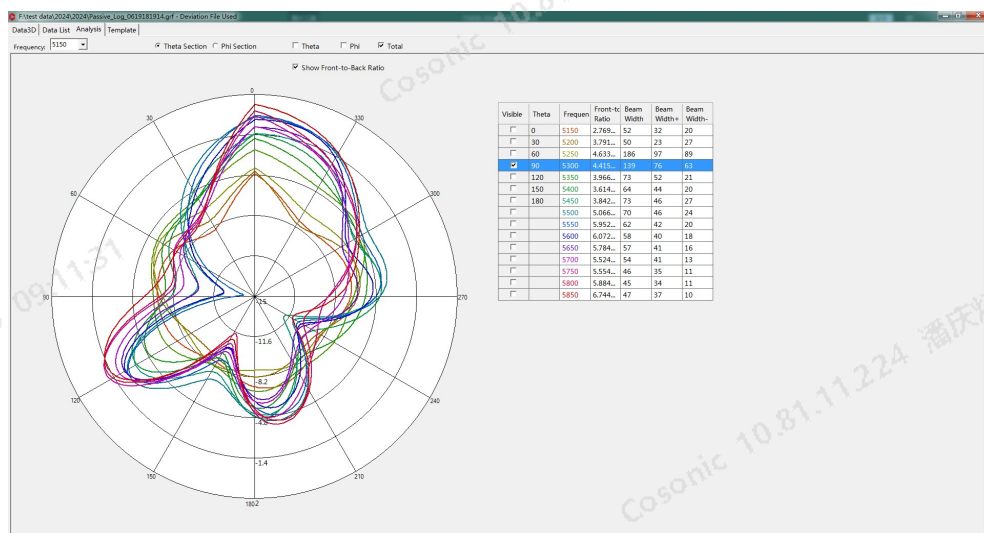


Phi=90°



2D Antenna radiation pattern: (5G)

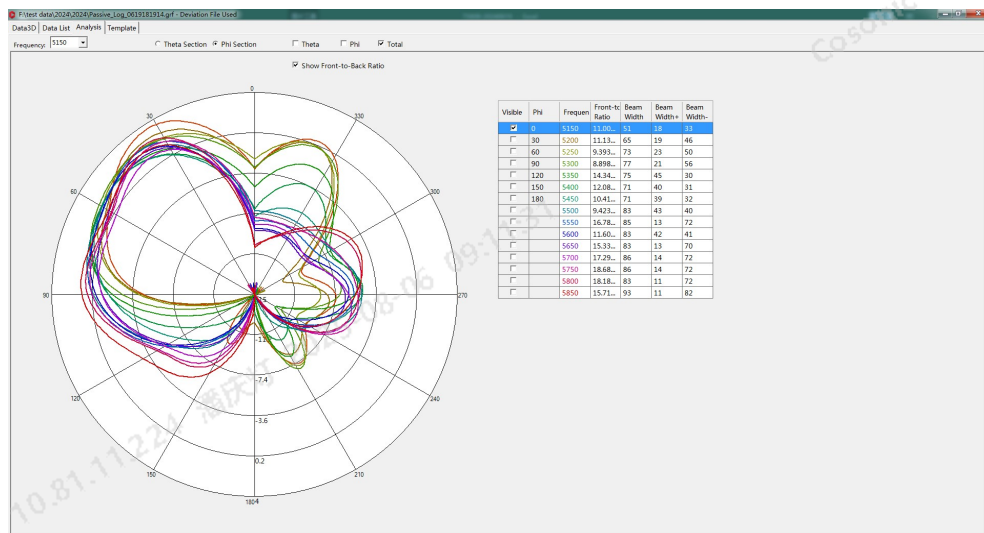
Theta=90°



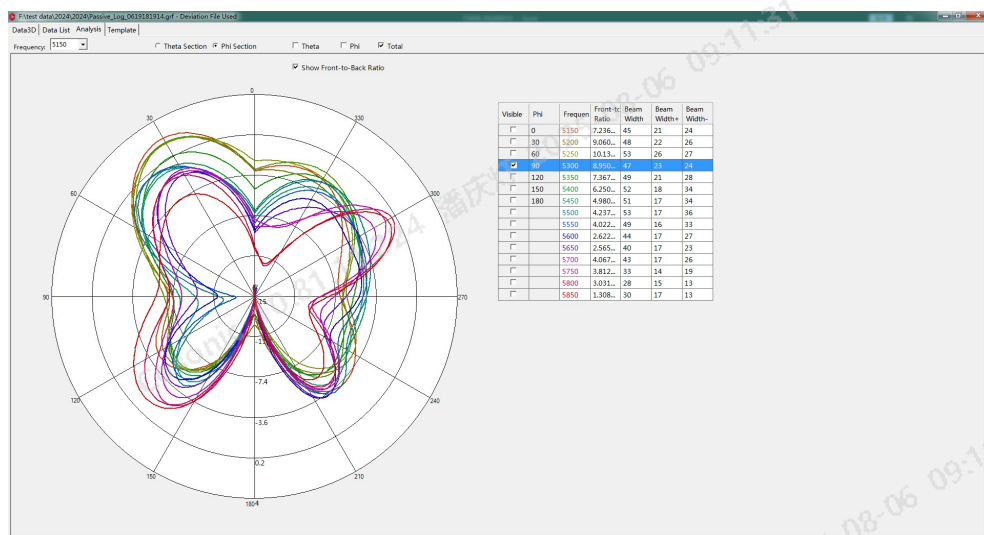
CC-JL-RD-36V1.0



Phi=0°



Phi=90°



OTA Standard Chamber



II: Antenna structure diagram file

