



Antenna Part Specification

Project name:	C10
Material category:	WIFI antenna module
Antenna type:	Dipole antenna
Antenna polarity:	linear
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:	V1.0
Date:	2024.11.08





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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.11.08	First edition	First edition	V1.0



I: The report of passive data



Angilent E5071C

WIFI antenna S11 parameter:

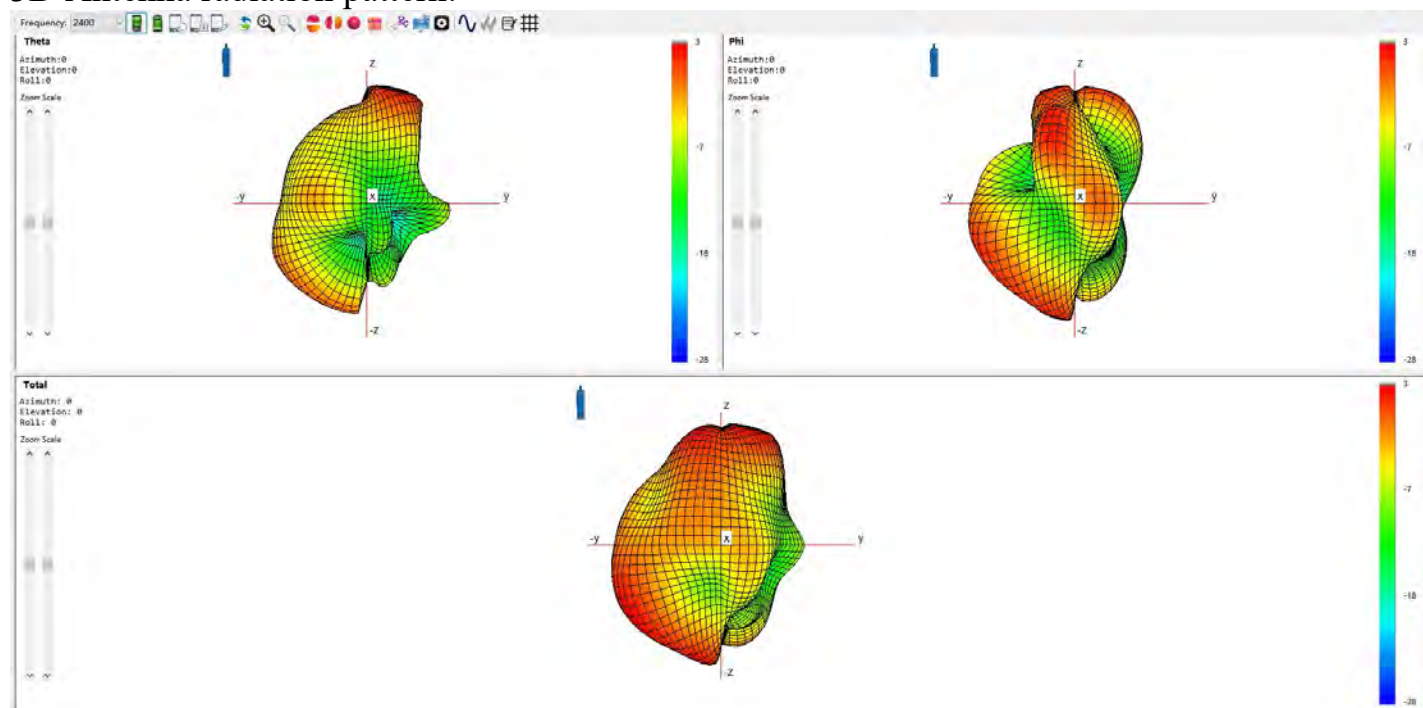




Efficiency:

Frequency MHz	gain (dBi)	gain (dB)	efficiency %
2400	2.9	-3.0	50.3
2410	2.9	-3.0	50.1
2420	2.9	-3.0	49.7
2430	2.9	-3.0	50.0
2440	2.9	-3.0	50.2
2450	3.2	-2.7	54.1
2460	3.3	-2.4	57.7
2470	3.1	-2.5	56.2
2480	2.9	-2.5	56.3
average value	3.0	-2.8	52.7

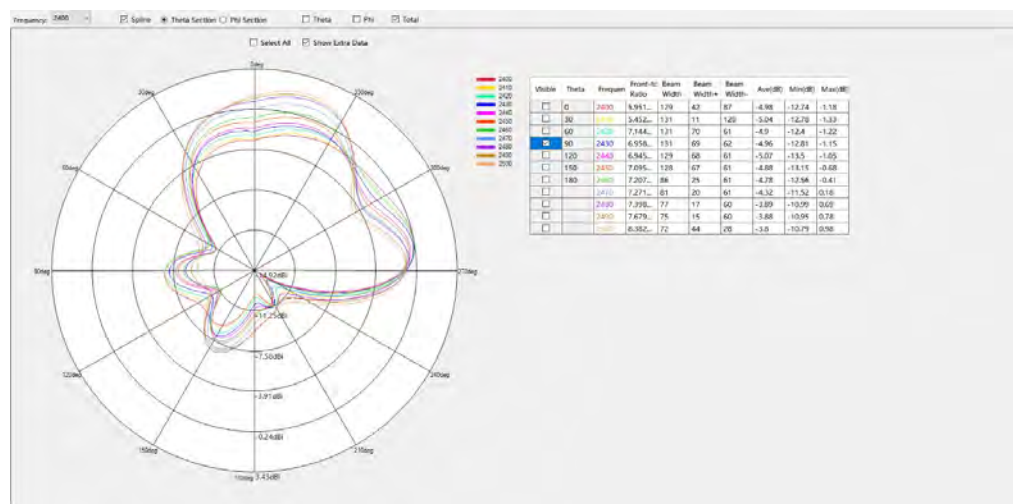
3D Antenna radiation pattern:



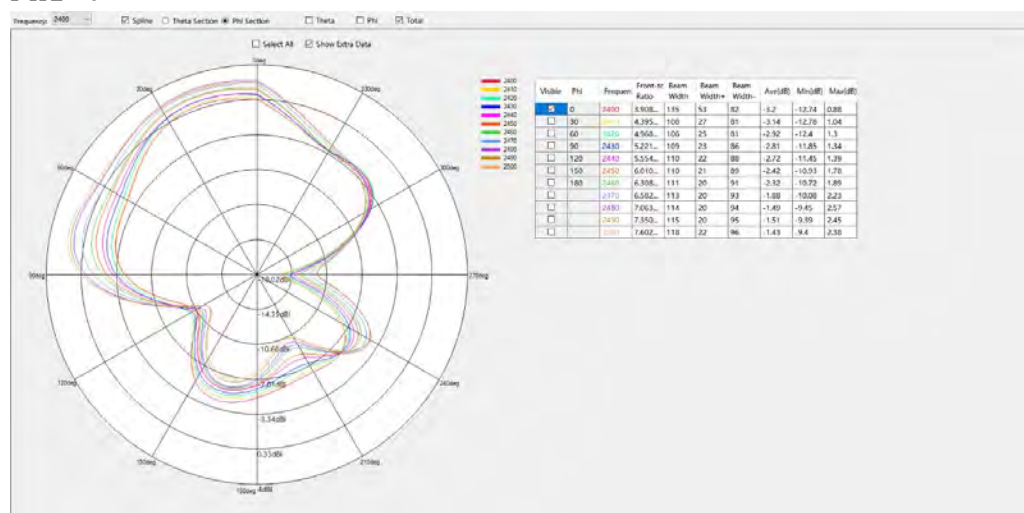


Antenna radiation pattern: (2.4G)

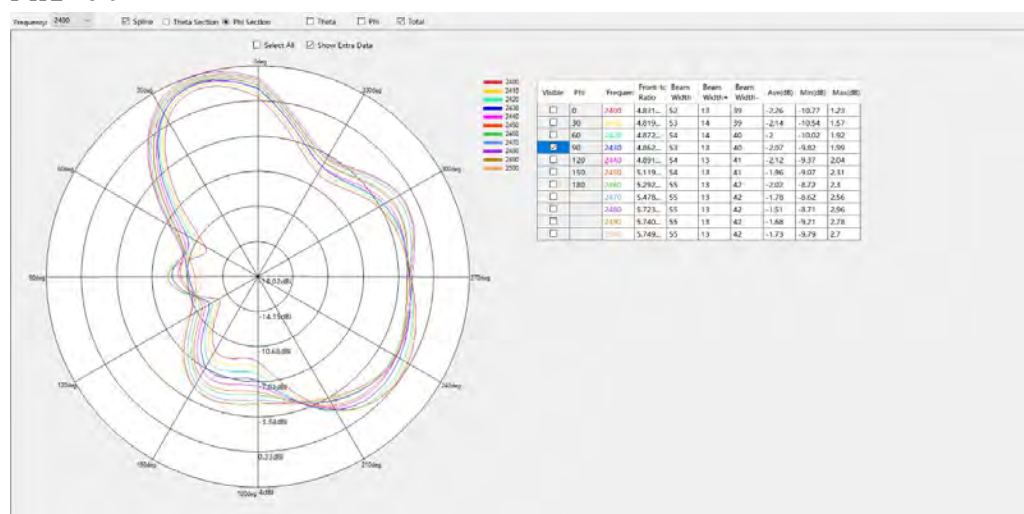
Theta=90°



Phi=0°



Phi=90°





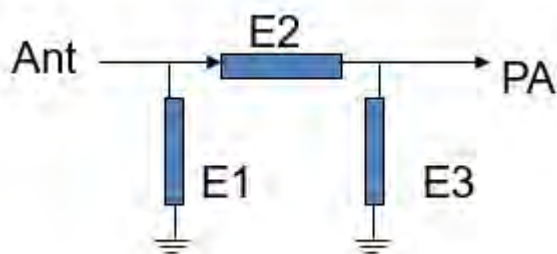
II: 3D Active test report of antenna:

	TRP (dBm)	TIS (dBm)
WIFI	14.6	-75.5
	15.8	-76.5
	16.6	-74.2
	15.7	-75.4

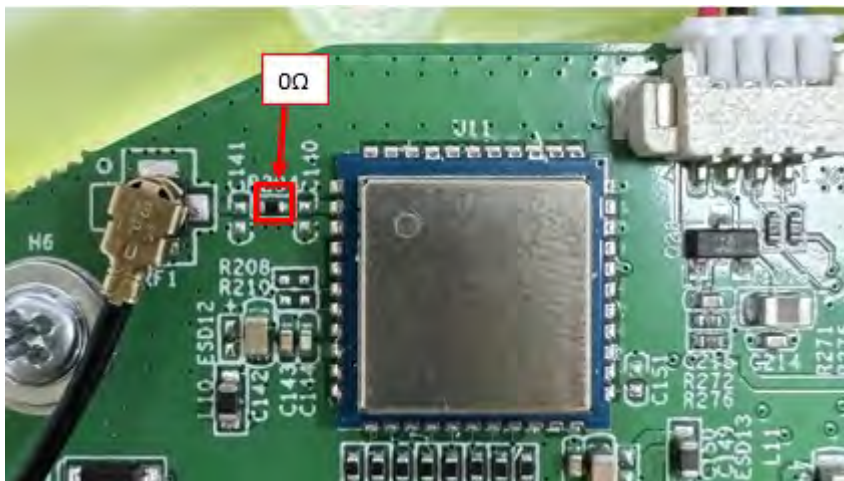


OTA Standard Chamber

III: Matching circuit



Element	Value
L1	NC
C30	0Ω
L6	NC





IV: Structure file

