



Antenna Part Specification

Project name:	A110A
Material category:	BLE antenna
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:	2025.5.30



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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.5.30	First edition	First edition	V1.0



I: The report of passive data



Angilent E5071C

antenna S11 parameter:

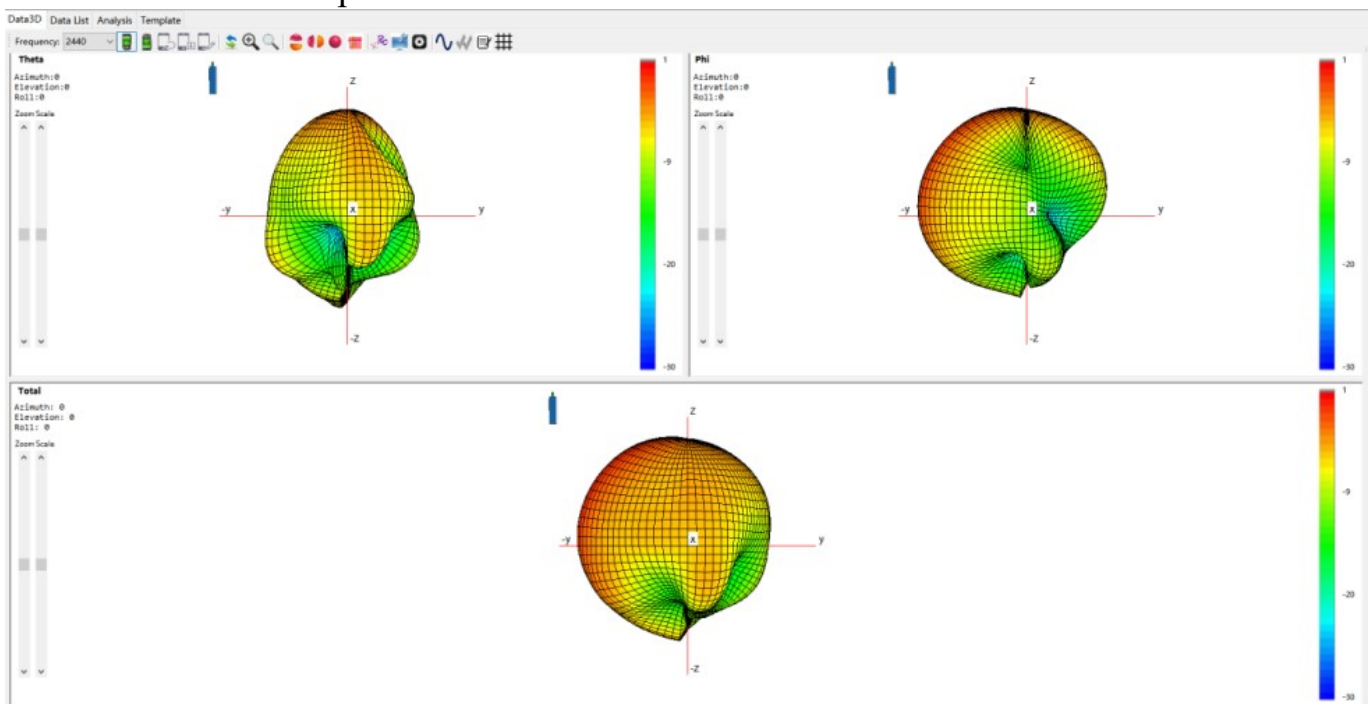




Efficiency:

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	43.90%	-3.57	0.25
2410	44.10%	-3.56	0.23
2420	44.30%	-3.54	0.44
2430	45.10%	-3.46	0.48
2440	45.80%	-3.39	0.65
2450	46.40%	-3.34	0.86
2460	46.20%	-3.35	0.82
2470	46.00%	-3.37	0.72
2480	45.20%	-3.45	0.60
AVG	45.20%	-3.45	0.56

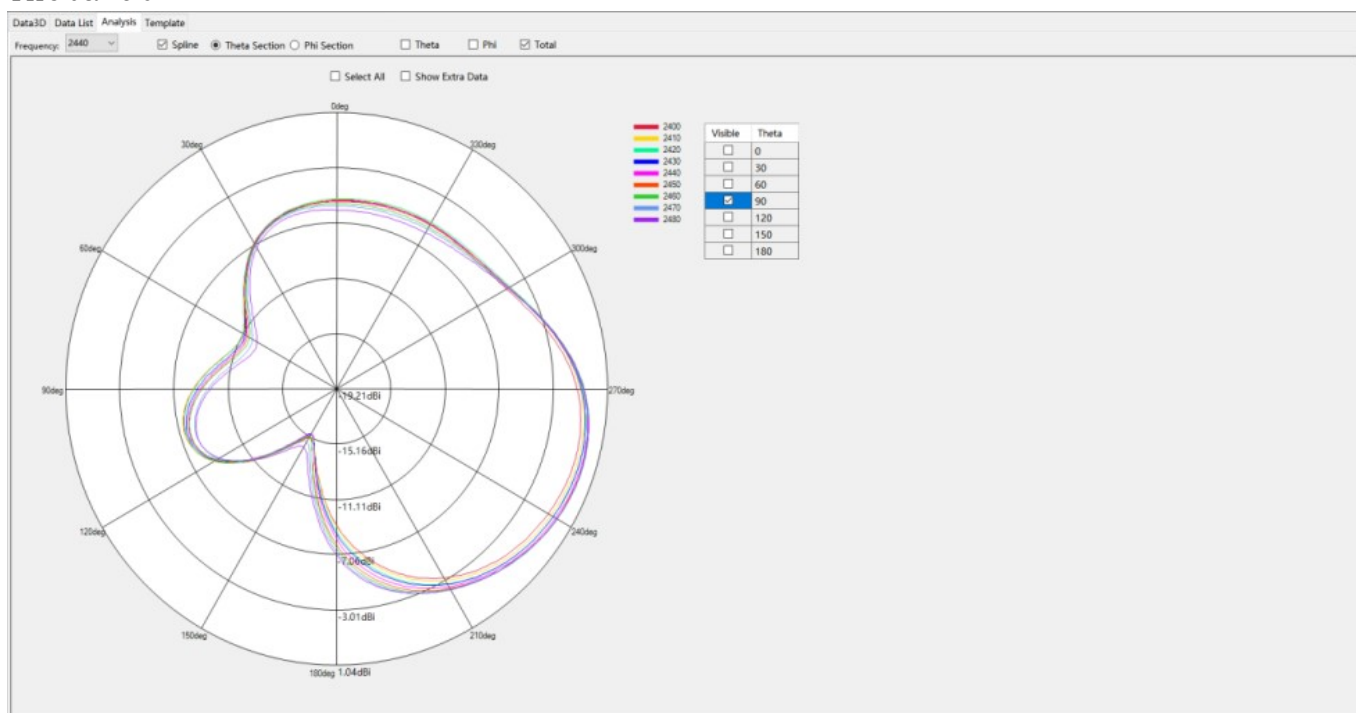
3D Antenna radiation pattern:



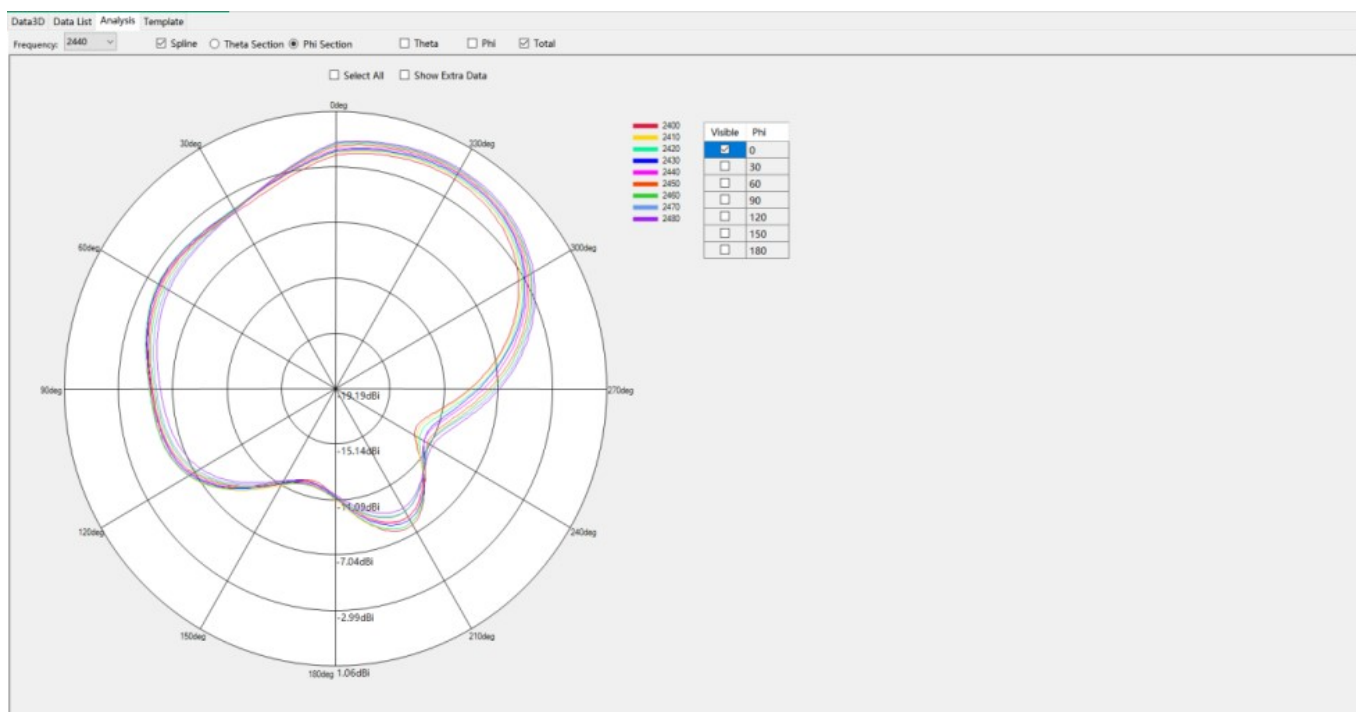


2D Antenna radiation pattern:

Theta=90°

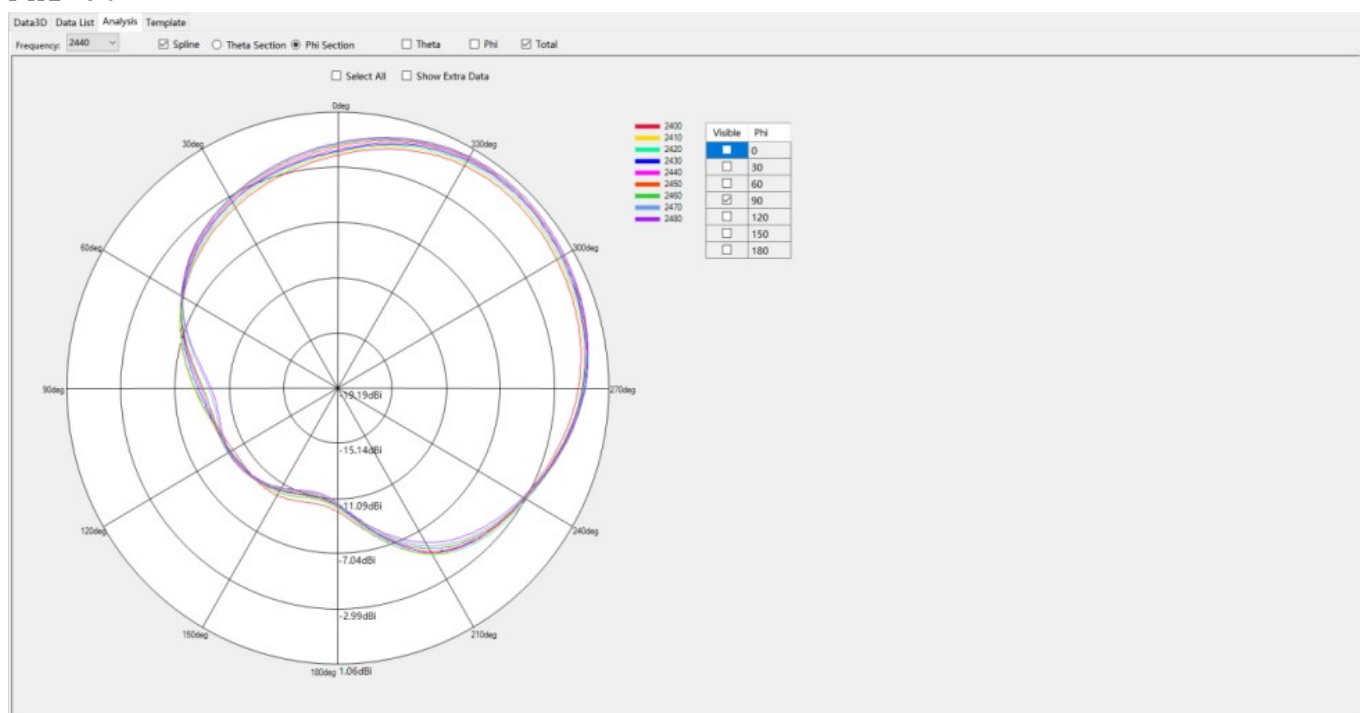


Phi=0°





Phi=90°



OTA Standard Chamber



II: Antenna structure diagram file

