



Antenna Specification

ProjectName:	P99
Antenna Name:	BLE Antenna
Antenna Manufacturer Name:	Shenzhen Sixun Communication Technology Co., Ltd.
Antenna Manufacturer Address:	Room 505-506, Building A, Donglian Mansion, Chuangye 2nd Road, Bao'an District, Shenzhen
Version:	V1.0
Date:	2025.09.10



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Change record			
Preparation/ Revision Date	Reason for change	Change content	Version
2025.09.10	First edition release	First edition release	V1.0

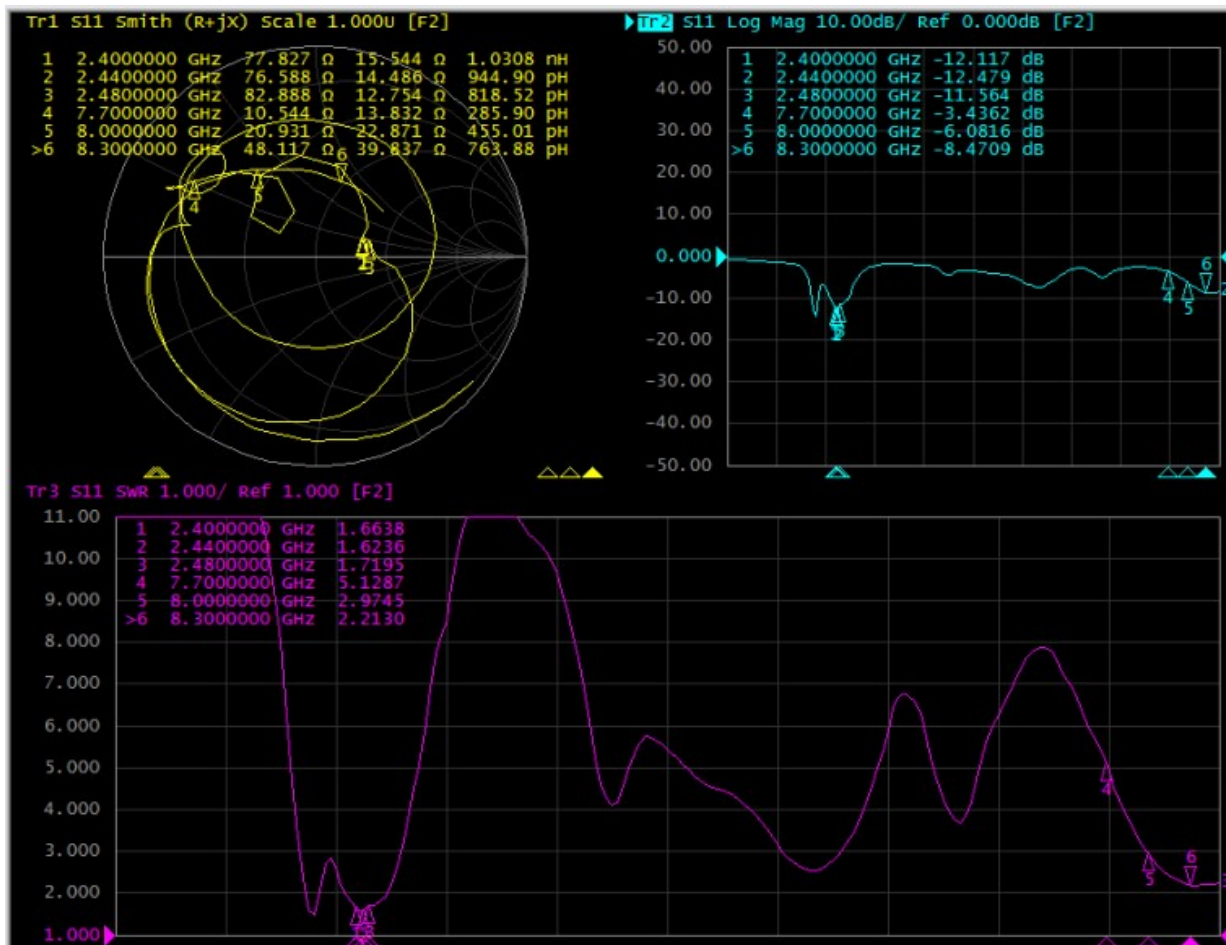


1.Passive Test Report



Angilent E5071C

BLE Antenna S11 Parameter

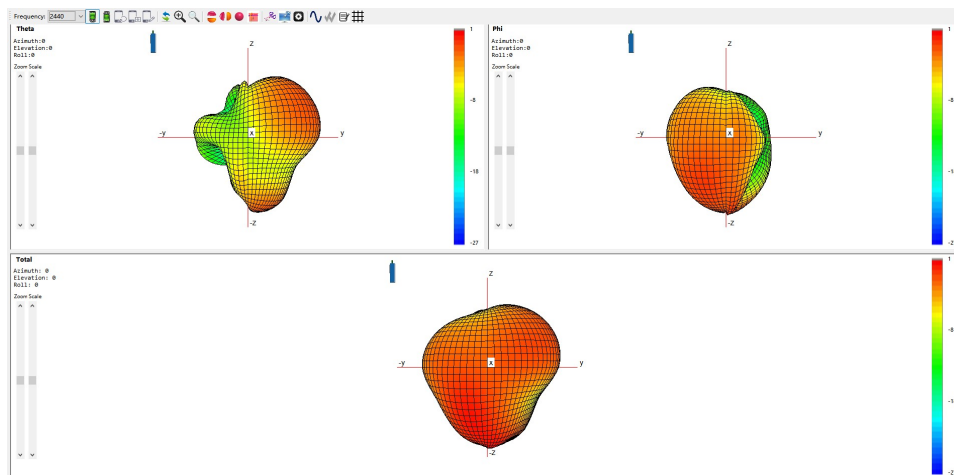




BLE Antenna Efficiency and Gain:

BLE Antenna			
Frequency	Efficiency%	Efficiency(dB)	Gain(dBi)
2400	47.9%	-3.2	0.7
2410	49.2%	-3.1	0.7
2420	49.9%	-3.0	0.7
2430	49.8%	-3.0	0.6
2440	49.7%	-3.0	0.5
2450	49.5%	-3.1	0.5
2460	48.7%	-3.1	0.4
2470	47.0%	-3.3	0.2
2480	45.8%	-3.4	0.1
Average	48.6%	-3.1	0.5

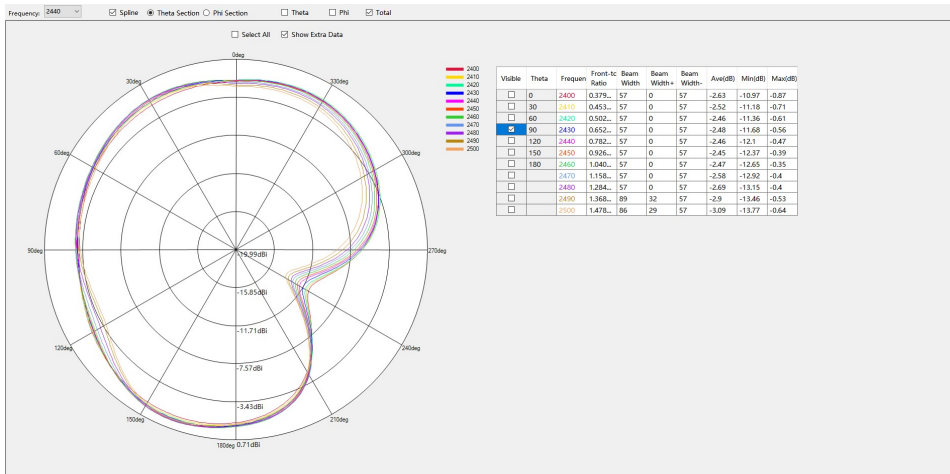
BLE Antenna 3D Radiation Pattern



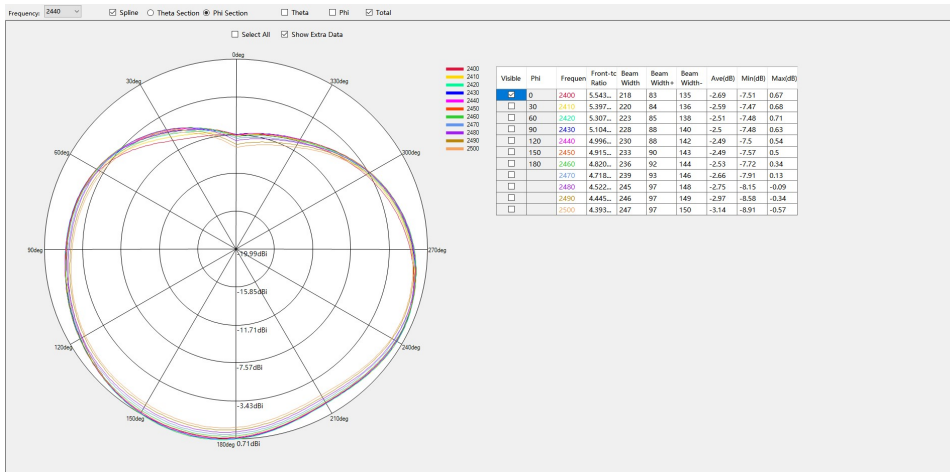


Antenna 2D Radiation Pattern:

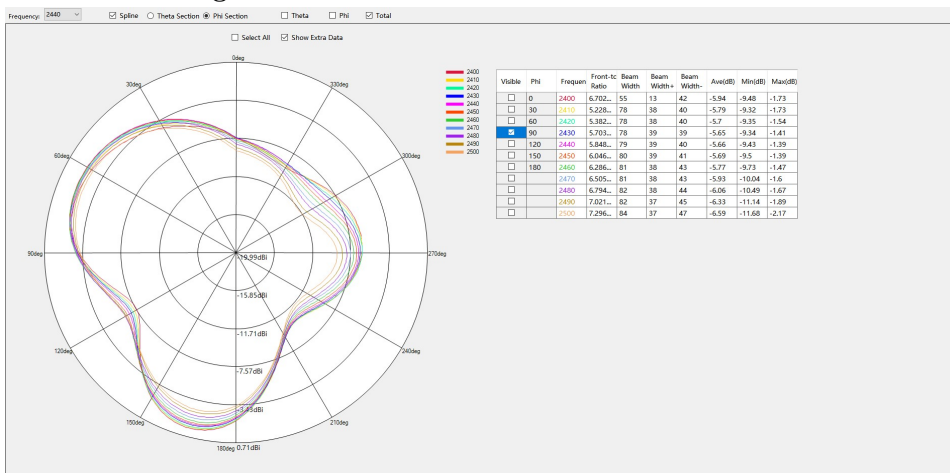
Theta=90.00deg



Phi=0.00deg

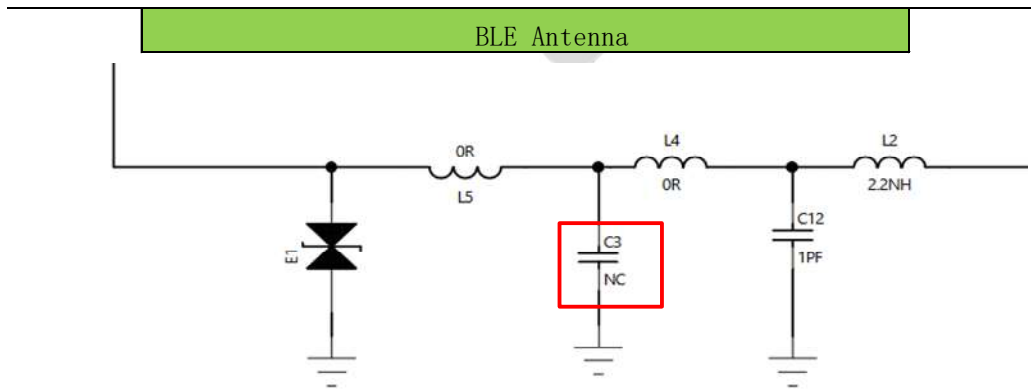


Phi=90.00deg





2: Antenna Matching Circuit



C3 changed back to N/C



3. Antenna schematic diagram

