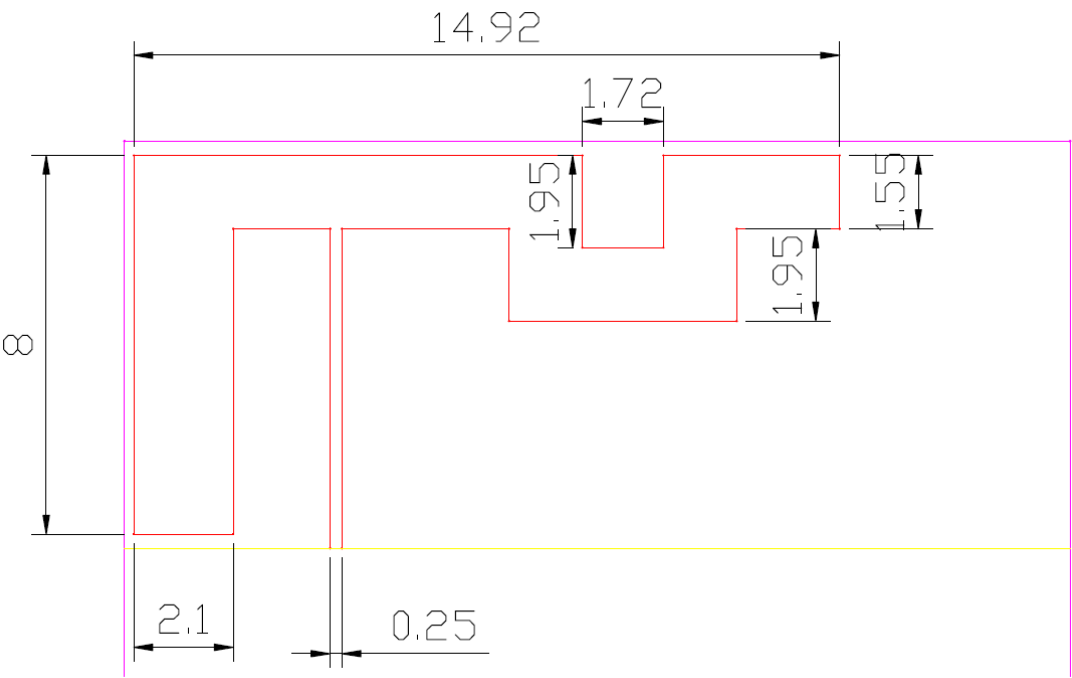


Antenna Information

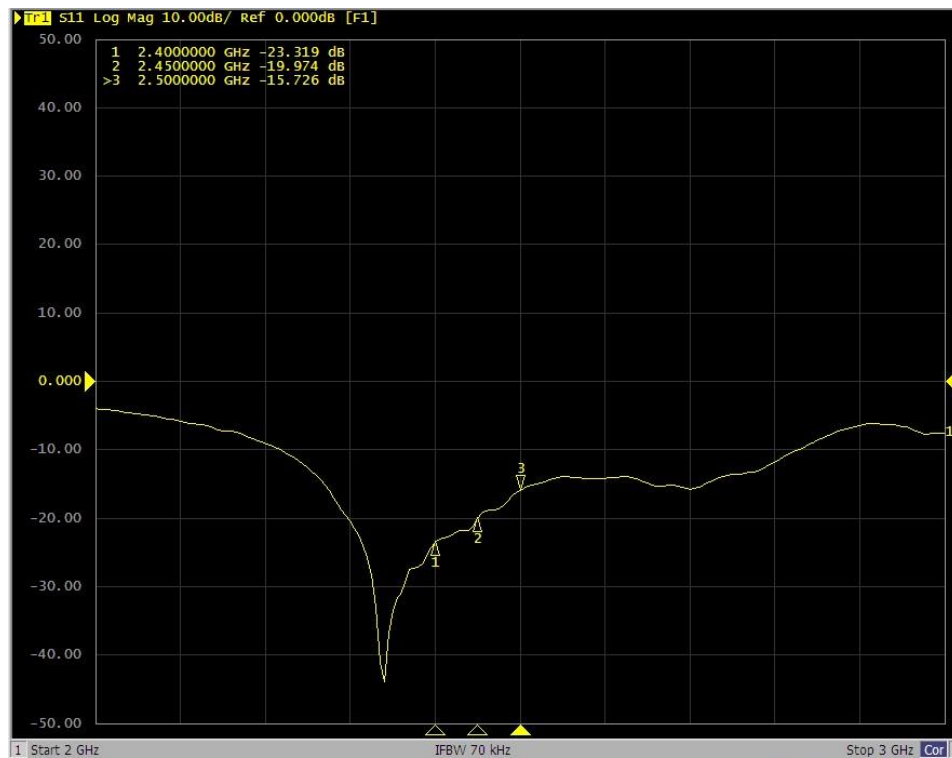
Item	Contents
Antenna Type	PCB Pattern Antenna
Antenna peak gain	1.70dBi
Manufacturer	Huizhou Gaoshengda Technology Co., Ltd.
Address of manufacturer	No. 6, Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou City, Guangdong Province, China
Test laboratory	Morlab Laboratory
Antenna Length	14.92mm
Antenna Width	8mm

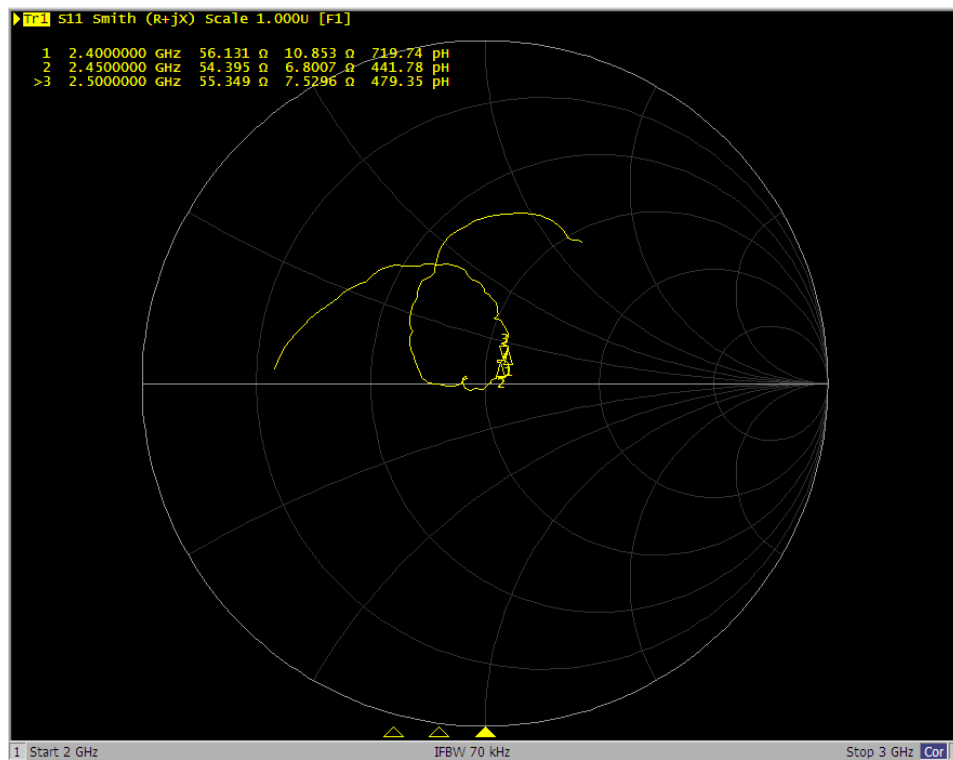
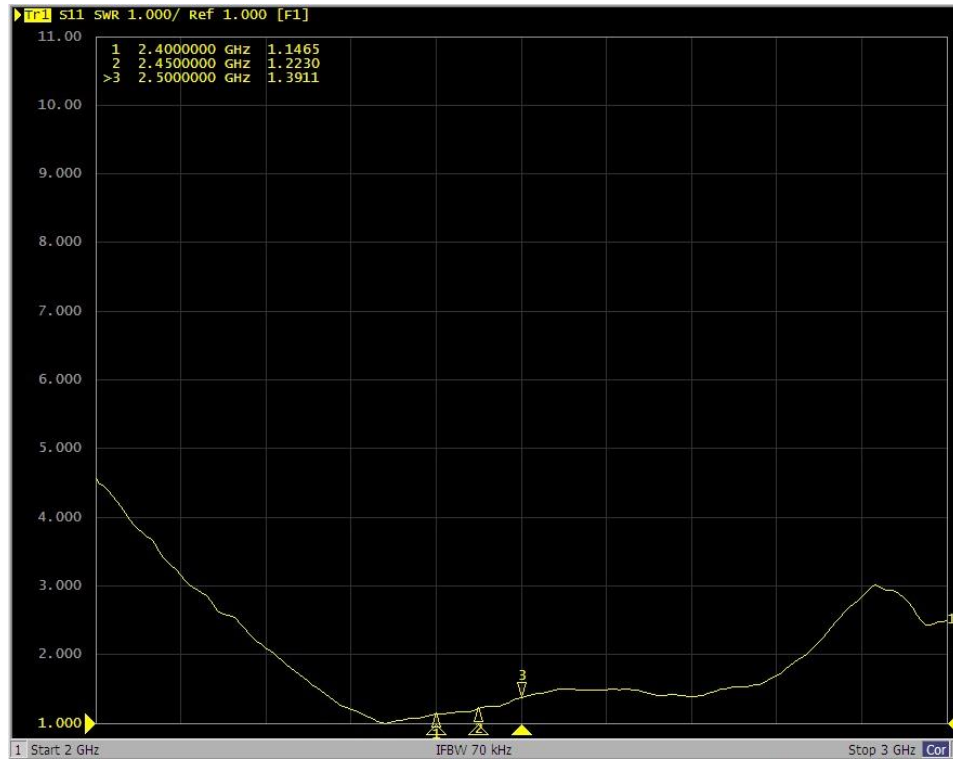


Model name: LCWB-007

Antenna Measurement Data

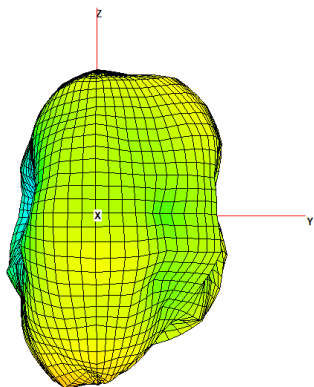
Antenna Type		PCB Pattern Antenna	
Applications		WiFi & BLE	
Frequency Range1(TX)		2400MHz~2485MHz	
Frequency Range1(RX)		2400MHz~2485MHz	
Impedance		50Ω	
VSWR	TX	2400MHz	2485MHz
		<2	<2
	RX	2400MHz	2485MHz
		<2	<2
Peak Gain		1.70dBi	



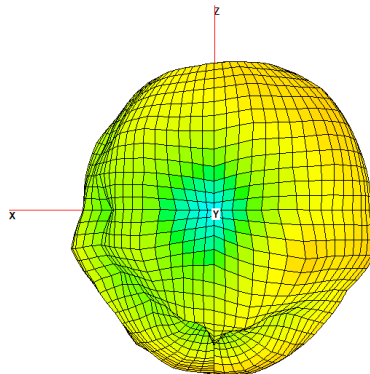


Frequency(MHz)	Efficiency(%)	Gain(dBi)
2400	74.32	1.65
2410	74.00	1.61
2420	71.89	1.70
2430	70.14	1.56
2440	70.88	1.54
2450	71.87	1.51
2460	73.19	1.67
2470	72.12	1.61
2480	71.69	1.50
2490	70.74	1.22
2500	71.49	1.18

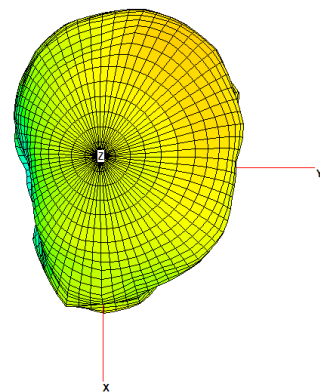
Pin 90deg Plane



Pin 0deg Plane

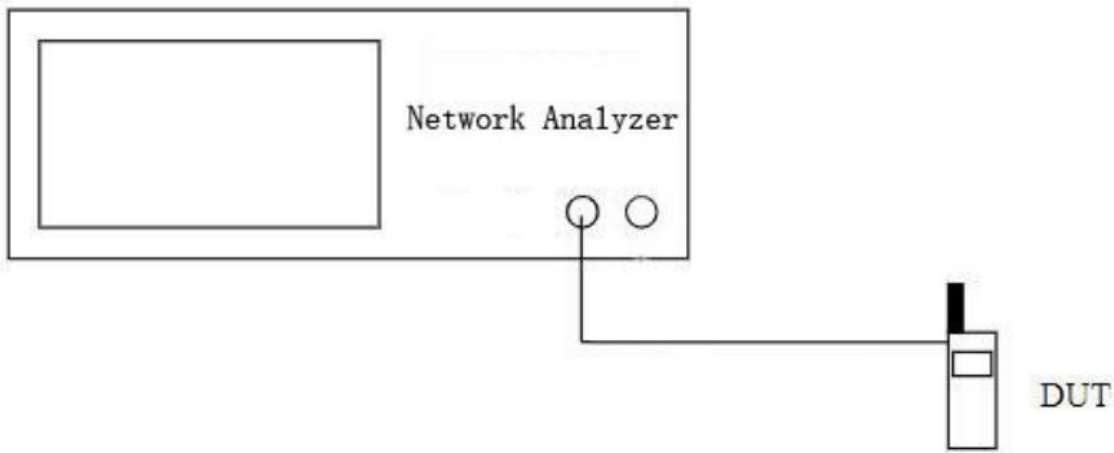
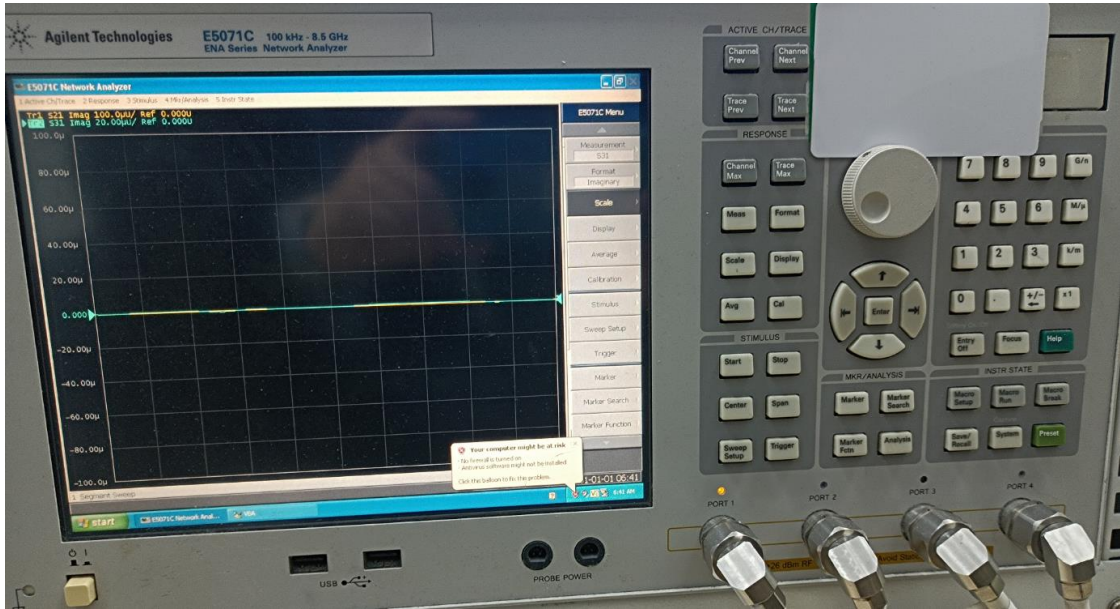


Theta 90deg Plane

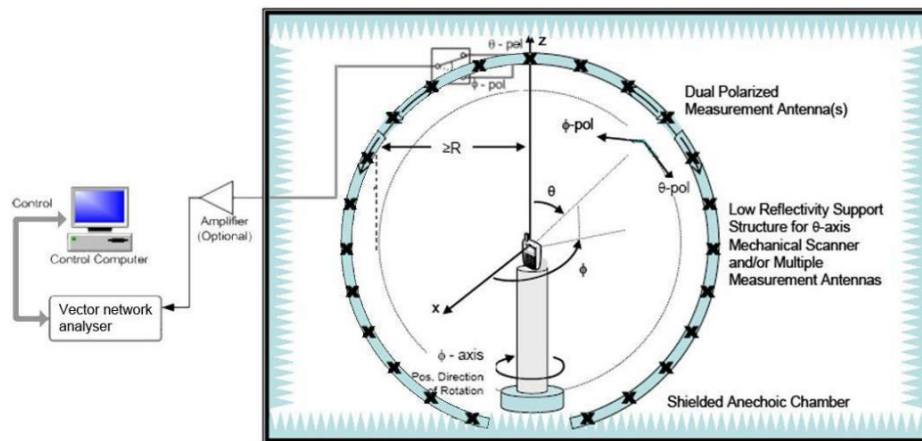
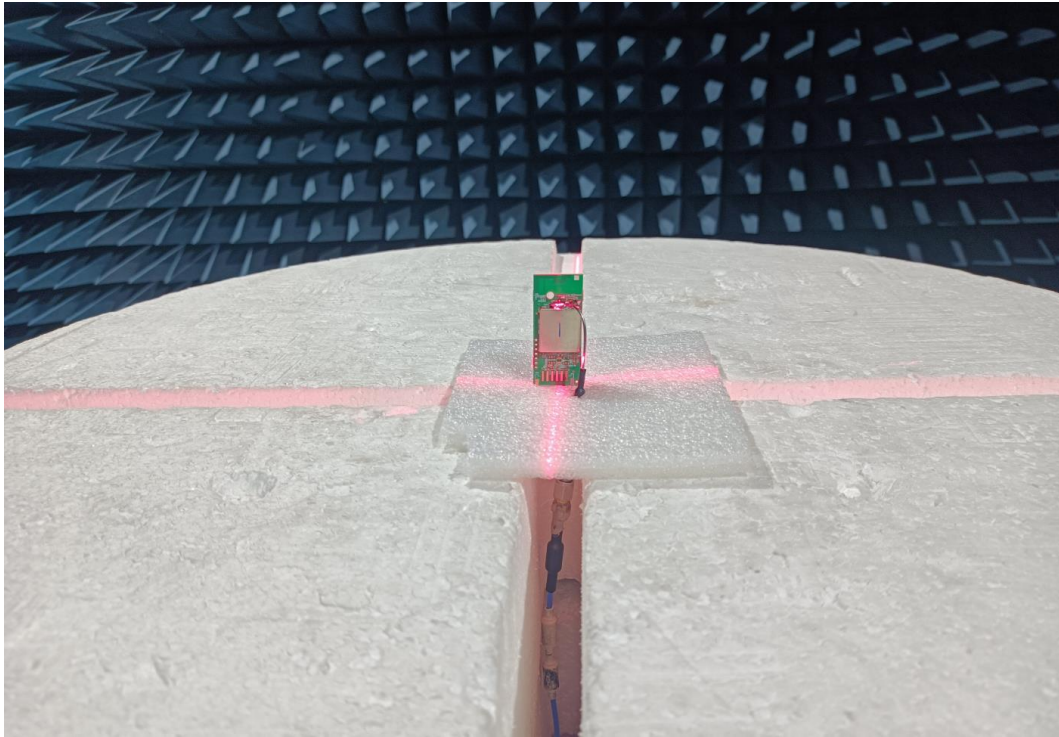


Testing instrument	Manufacturer	Number	S/N	Cal Date	Effective Date
Network Analyzer	Agilent	E5071C	MY46110140	2024.05.30	2025.05.29

S11 Test Instrument



Efficiency, Gain, Pattern Test Environment



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Authorized Signature

Print Name: HSU

Mobile Phone: +8613790787956

Title: Senior Engineer