

Specification for Approval

Customer:	Xiamen Lujiang Technology Co., Ltd
Part name:	S1 PCB ANT
Part No. :	
Customer Part No. :	
Manufacturer:	Xiamen Jihe Communication Co., Ltd
Address:	Unit 301-1, No. 55 Chengyi North Street, Phase III of Xiamen Software Park

Customer Approved By		
APPROVAL	CHIEF	DESIGN

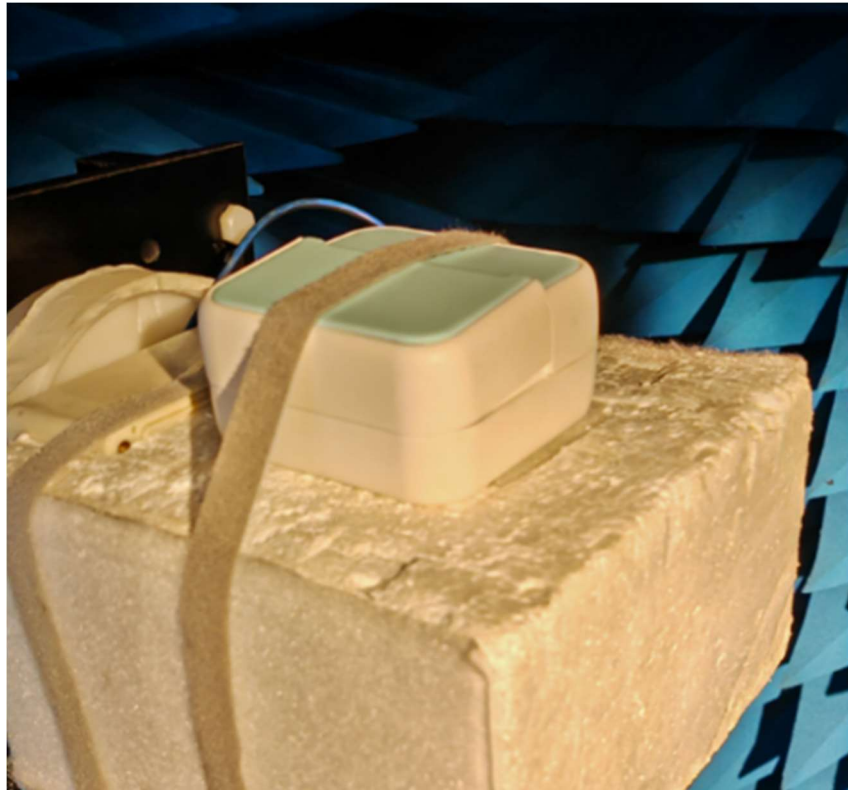
Supplier Confirmed		
	CHIEF	DESIGN
	Jack	Lee
	2024. 5. 21	2024. 5. 21

List

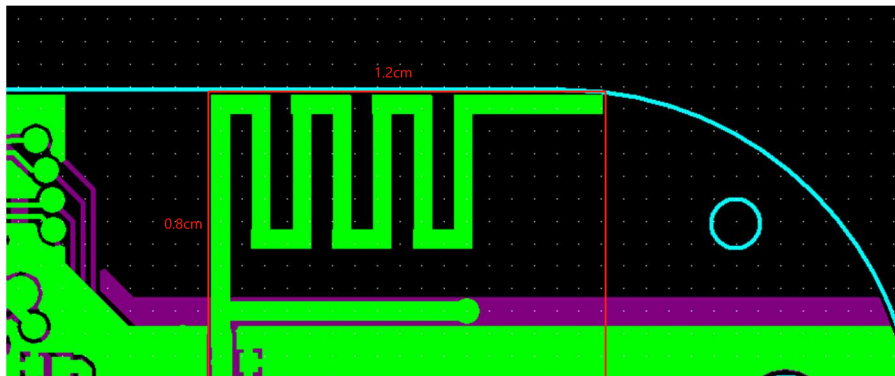
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Update of the Records			
Rev	Formulate	Date	Content
01	Lee	2024. 5. 21	New Confirmation Letter

Product diagram



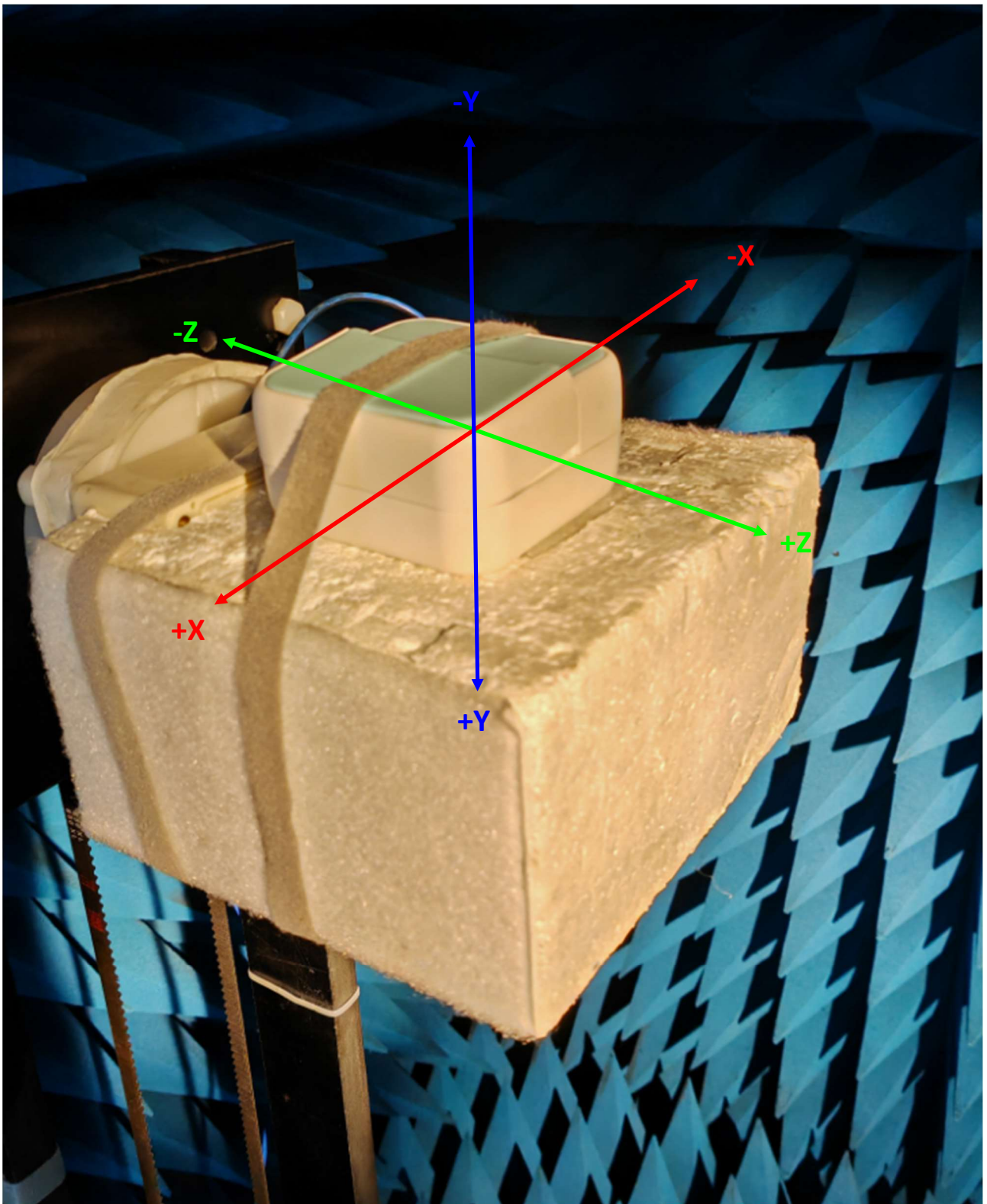
Antenna form



Antenna characteristics

product type	antenna
DESCRIPTION	VALUE
Frequency Range	2300~2540 MHz
V.S.W.R	Comparison of sample waveform (aerial measurement)
Impedance	50 Ω
Gain	-6~-1 dBi
Radiation	Omni-directional
Radiating element	1/4 Wave Helical
Polarization	Linear Vertical
Admitted power	2W
Connector	conduction
Operating temp	-40℃~+85℃

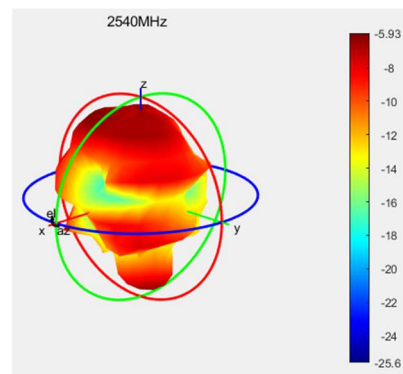
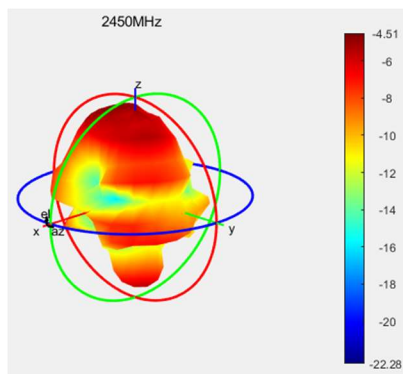
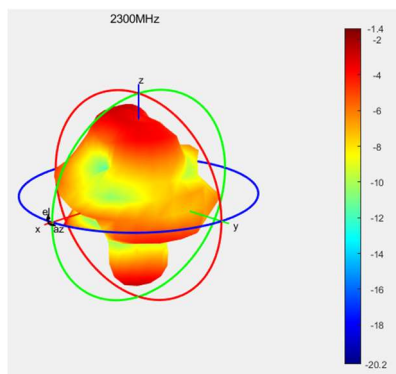
OTA darkroom diagram



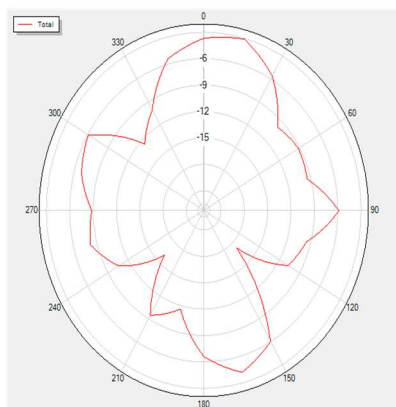
Efficiency and gain report)

FREQUENCY (MHZ)	EFFICIENCY (%)	GAIN (dBi)
2300	22.8%	-1.4
2310	20.6%	-1.6
2320	20.3%	-1.8
2330	22.1%	-1.3
2340	23.9%	-1.3
2350	24.5%	-1.1
2360	20.4%	-2.3
2370	17.3%	-2.9
2380	18.5%	-3.1
2390	17.7%	-3.3
2400	17.1%	-3.5
2410	20.7%	-2.6
2420	17.8%	-3.4
2430	16.0%	-3.8
2440	15.2%	-3.8
2450	12.8%	-4.5
2460	13.5%	-4.4
2470	13.9%	-4.2
2480	13.2%	-4.3
2490	12.2%	-4.7
2500	10.9%	-5.2
2510	10.2%	-5.5
2520	10.0%	-5.7
2530	9.3%	-5.9
2540	9.7%	-5.9

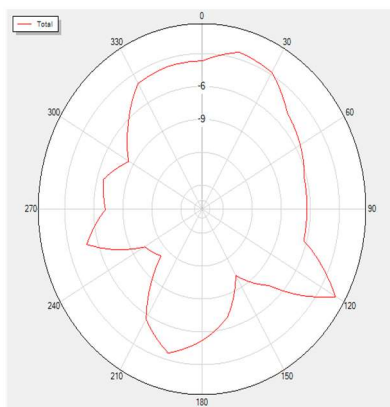
Directional and 3D diagram



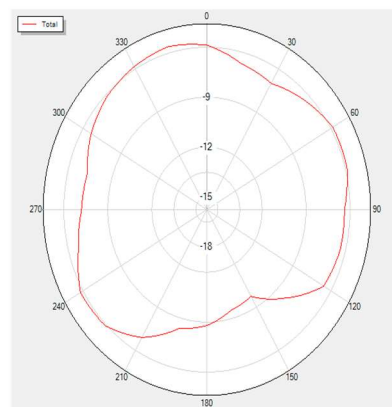
2300P0 Total



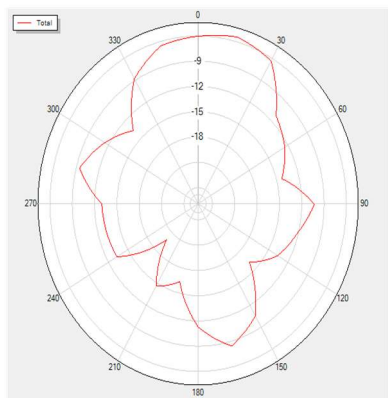
2300P90 Total



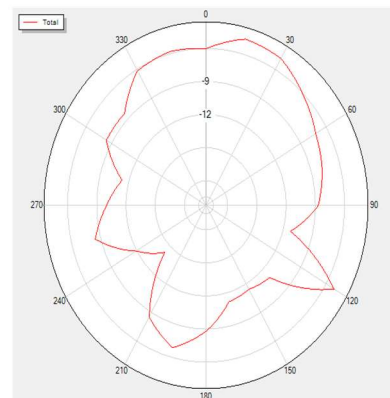
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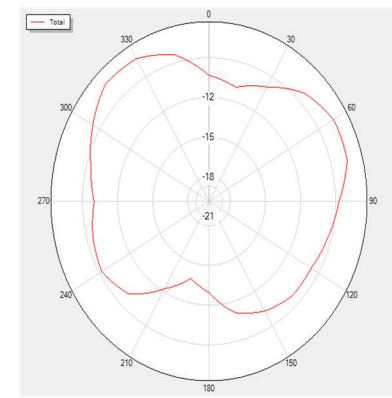
2450P0 Total



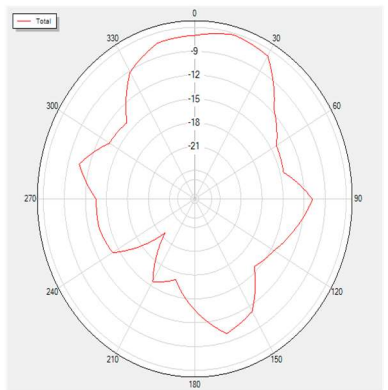
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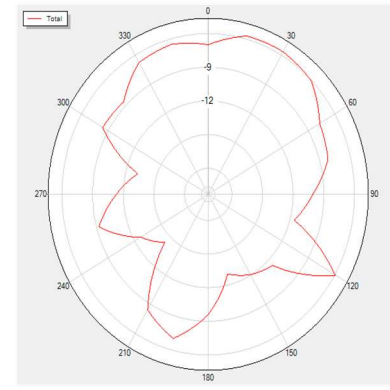
2450T90 Total



2500P0 Total



2500P90 Total



2500T90 Total

