

Antenna Specification

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Contents

1 Specification3

2 Antenna Dimension.....4

3 Picture5

4 Electrical Test.....6

 4.1 Method.....6

 4.2 Device.....6

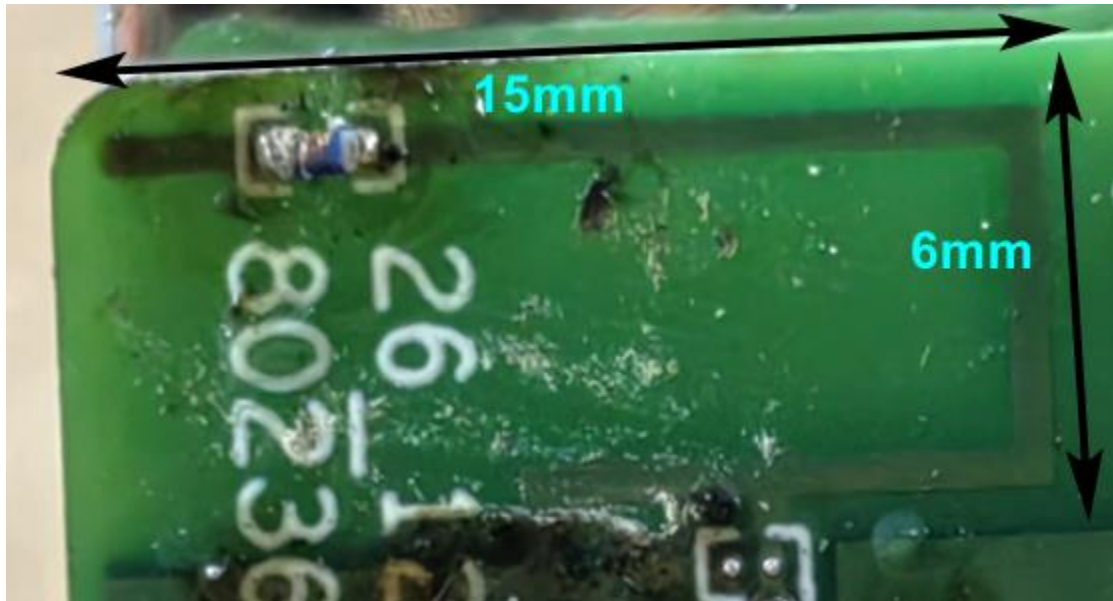
 4.3 Passive Test.....7

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1 Specification

Specification	
Antenna Model	7757
Frequency	2400~2500MHz
Antenna Type	IFA
Dimension	15mm*6mm
Impedance	50Ω
Polarization	Linear
VSWR	<3
Axial Ratio	Not involved
Efficiency	25.85~31.71%@2.4~2.5GHz
Gain	~0.588dBi@2440MHz
Radiation Pattern	Omnidirectional
Connection	Not involved
Power Handling	1W

2 Antenna Dimension



3 Picture



4 Electrical Test

4.1 Method

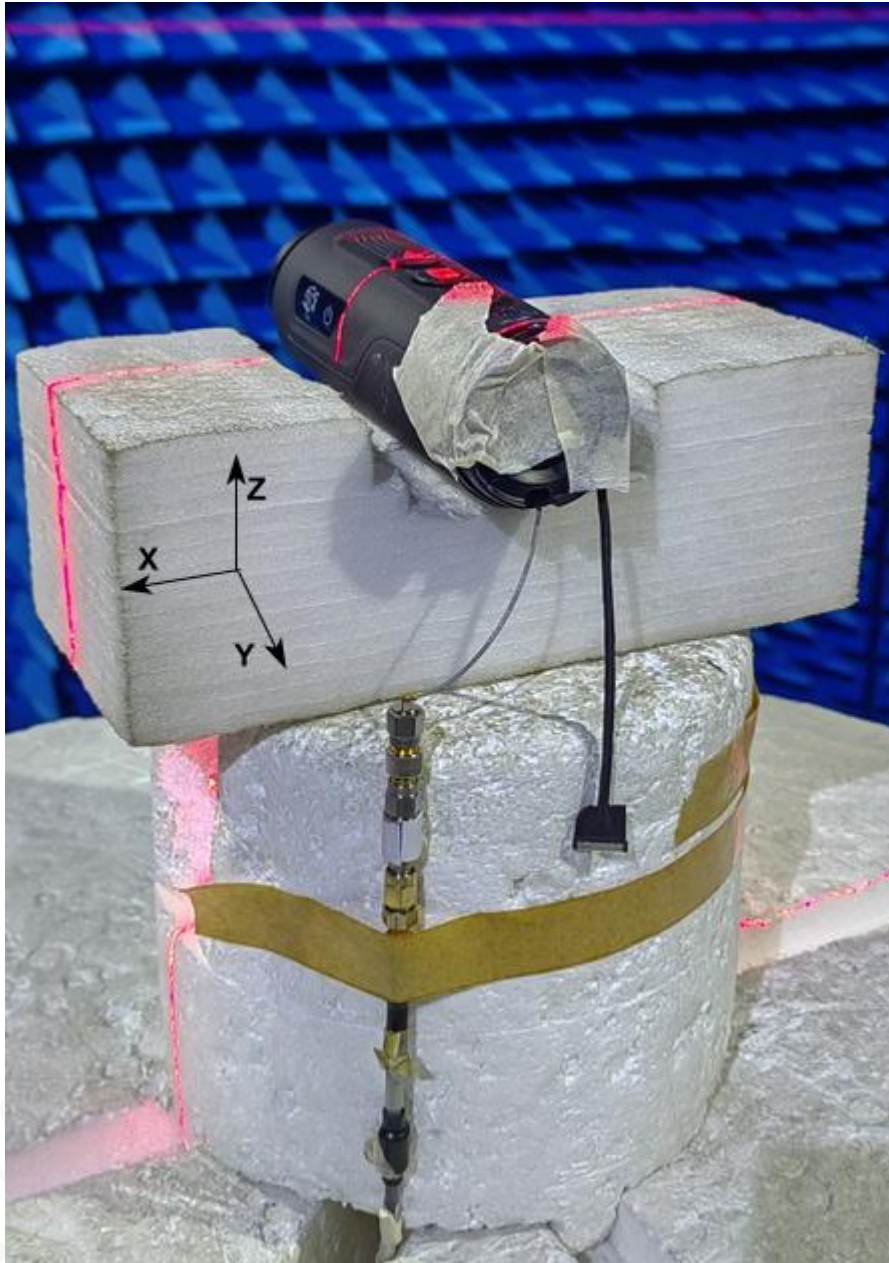
Name	Parameter	Method	Standard no.
Mobile Communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna gain		
	Radiation pattern		
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

4.2 Device

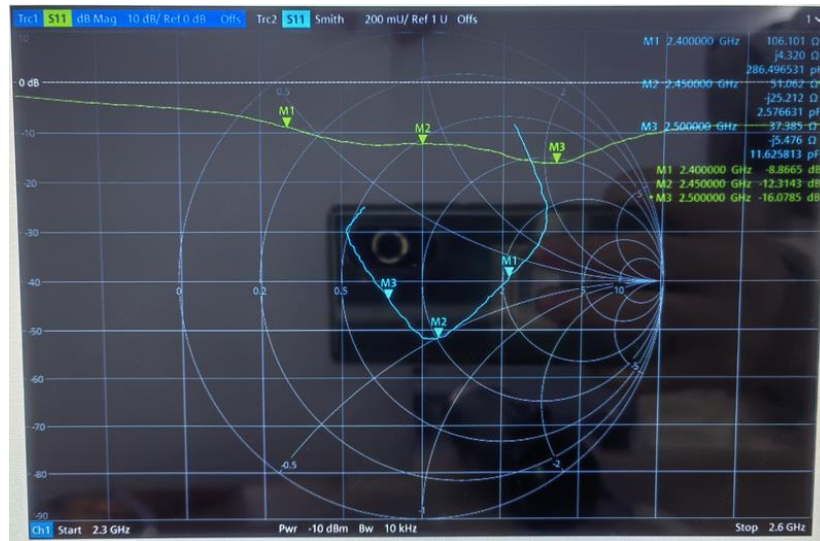
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Rohde & Schwarz	ZNB 8	1311.6010K44-103942-aM	2024.05.10	2025.05.09

4.3 Passive Test

4.3.1 Position



4.3.2 Return Loss & VSWR

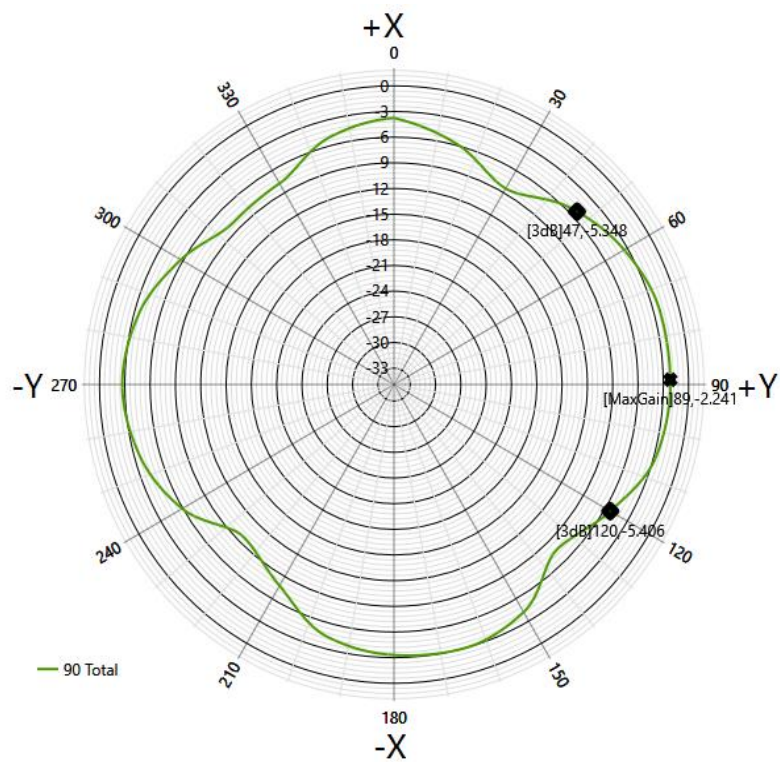


Frequency (MHz)	2400	2450	2500
Return Loss(dB)	-8.9	-12.3	-16.1

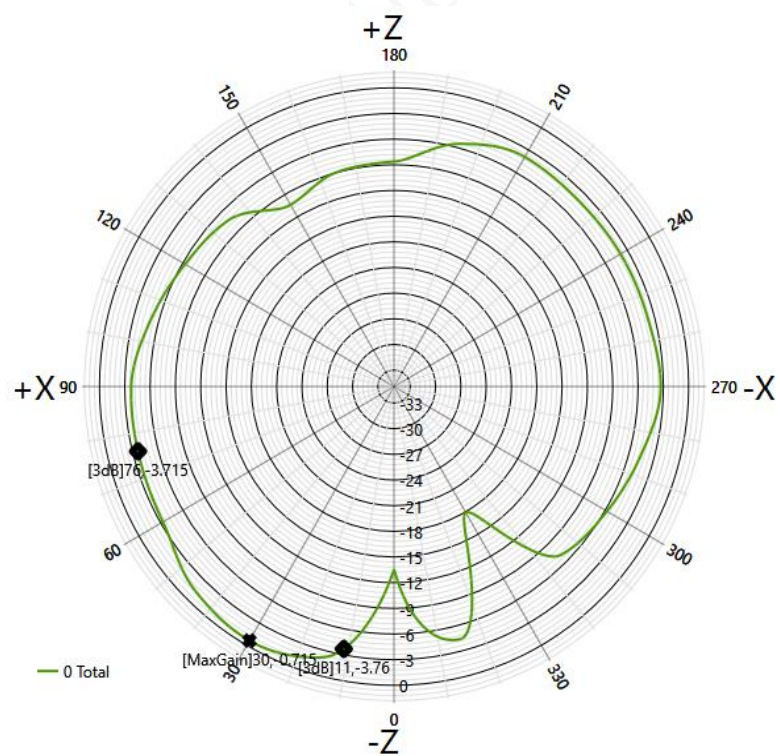
4.3.3 Efficiency & Gain

Freq./MHz	Effi./%	Effi./dB	Gain/dBi
2400	27.78%	-5.563	-1.133
2410	28.02%	-5.525	-0.996
2420	28.43%	-5.462	-0.936
2430	30.43%	-5.167	-0.62
2440	31.71%	-4.988	-0.588
2450	30.80%	-5.115	-0.715
2460	29.84%	-5.253	-0.987
2470	28.44%	-5.46	-1.289
2480	26.87%	-5.708	-1.647
2490	26.50%	-5.768	-1.808
2500	25.84%	-5.878	-1.895

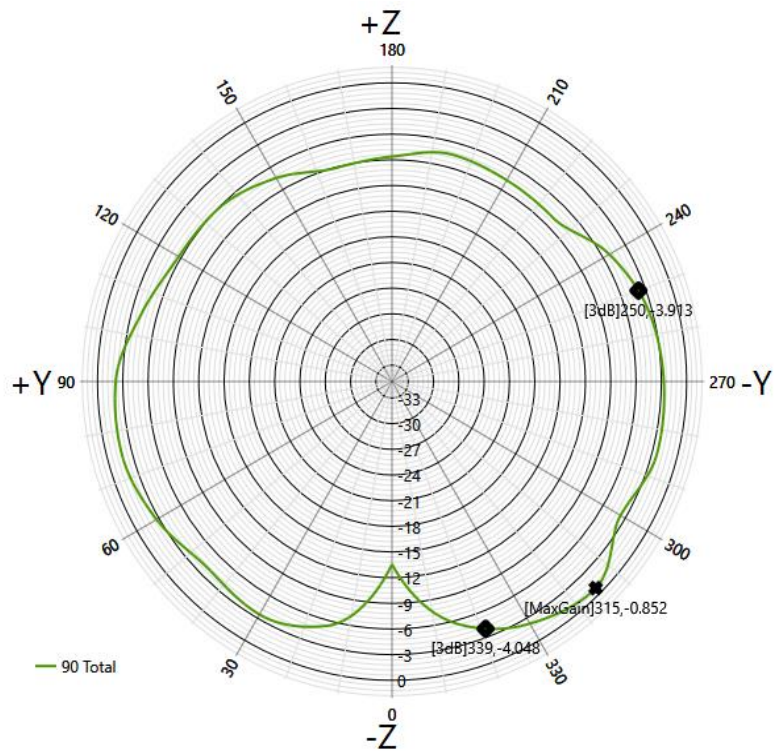
4.3.4 2D Report



2450MHz 90 Total(H-XY)

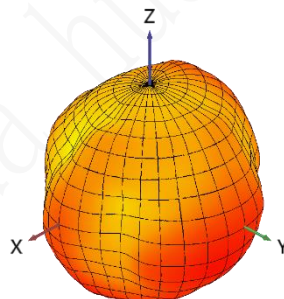


2450MHz 0 Total(E1-XZ),

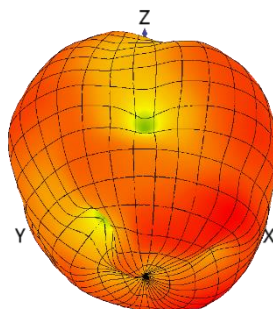


2450MHz 90 Total(E2-YZ)

4.3.5 3D Report



2450MHz 3D Front



2450MHz 3D Back