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Let Radio Waves Power the Future of Life



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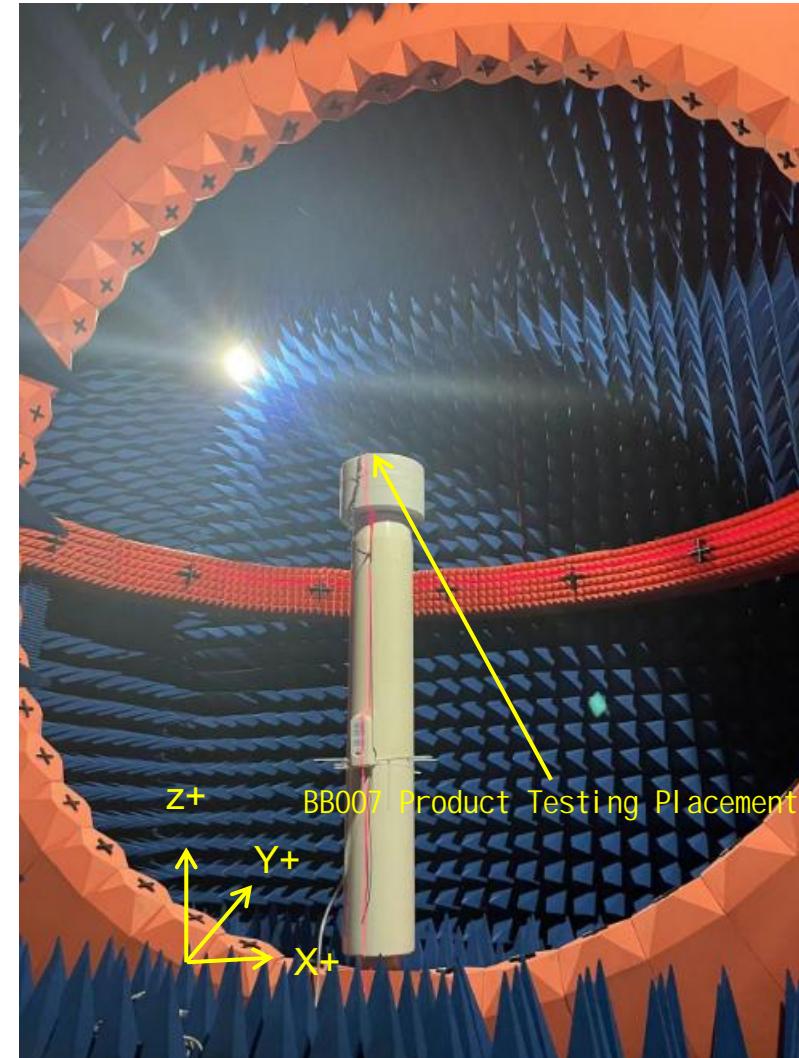
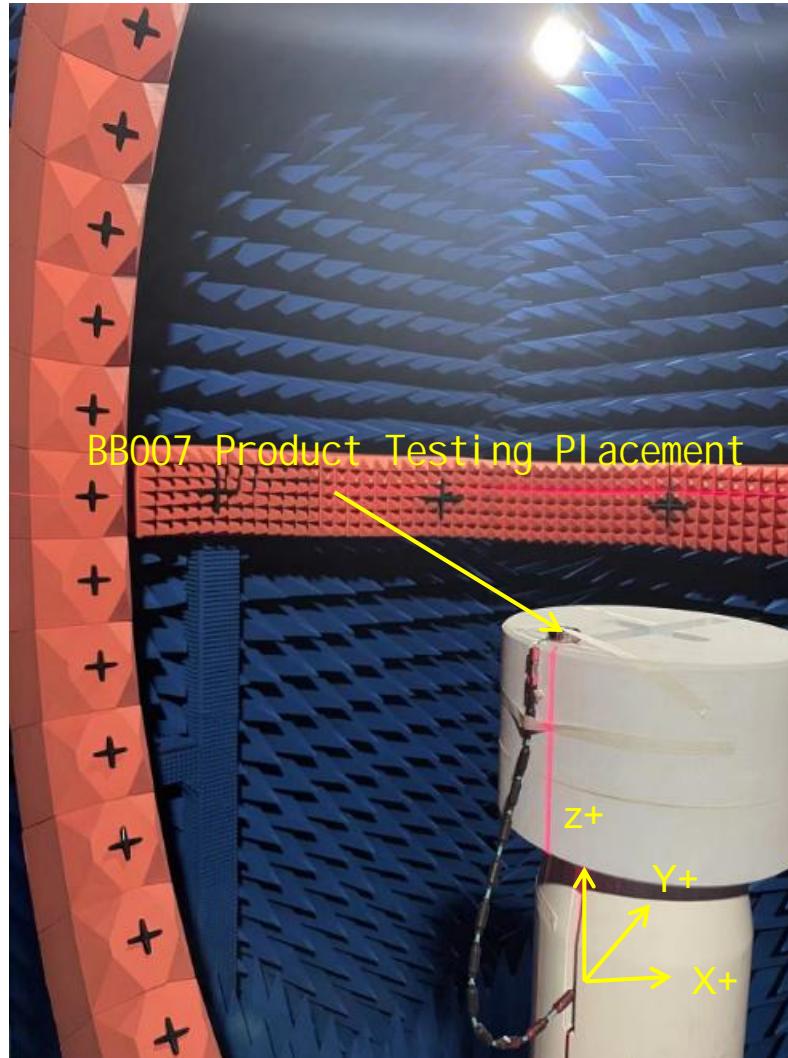
BB007Ring BT Antenna Performance Report

Project Name	BB007Ring	
Antenna Engineer	Engineer Ye	
Contact	15813808853	
Report Version & Date	2024/5/23	
Testing Machine	Keysight 5071C	
Device Status	Sample Device Type	Prototype Sample
	Antenna Version	FPC Antenna
	Other	

Testing Scene Graph



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Project Debug Prototype Showcase



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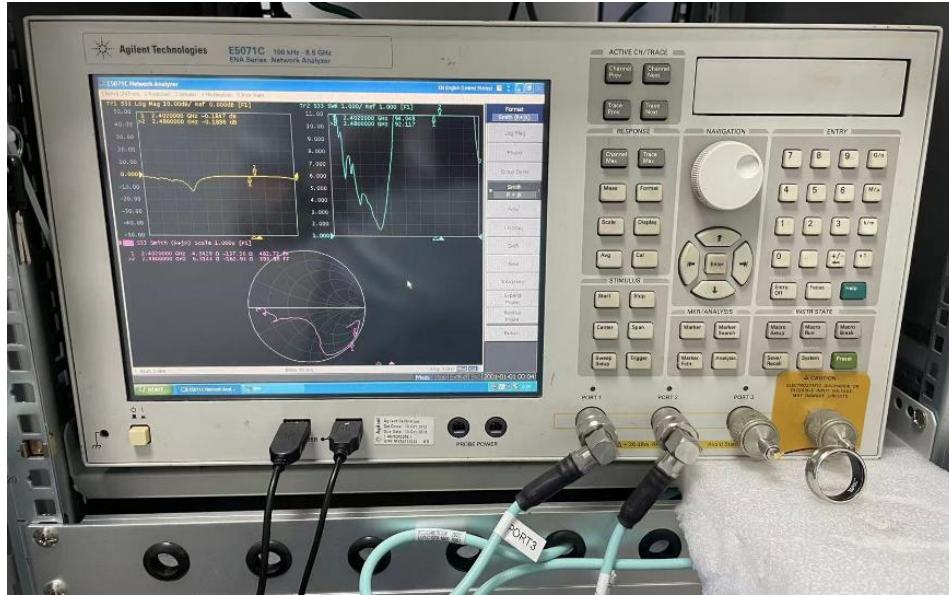


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Passive S11 Test Data

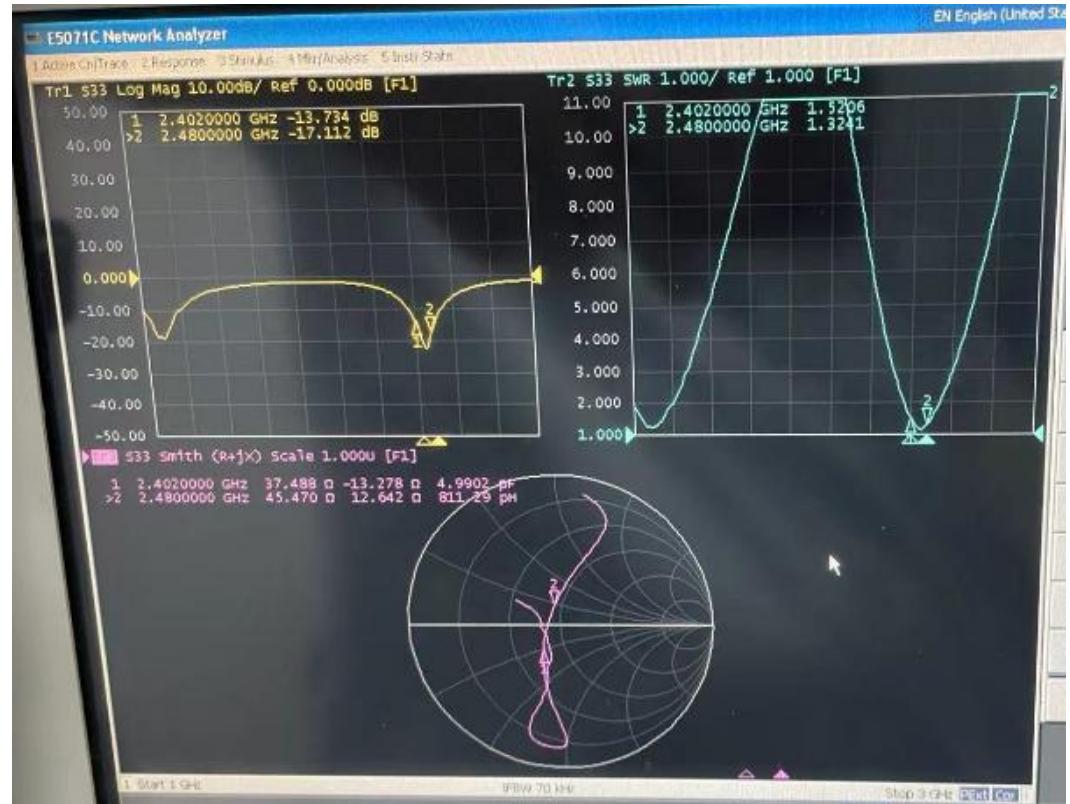
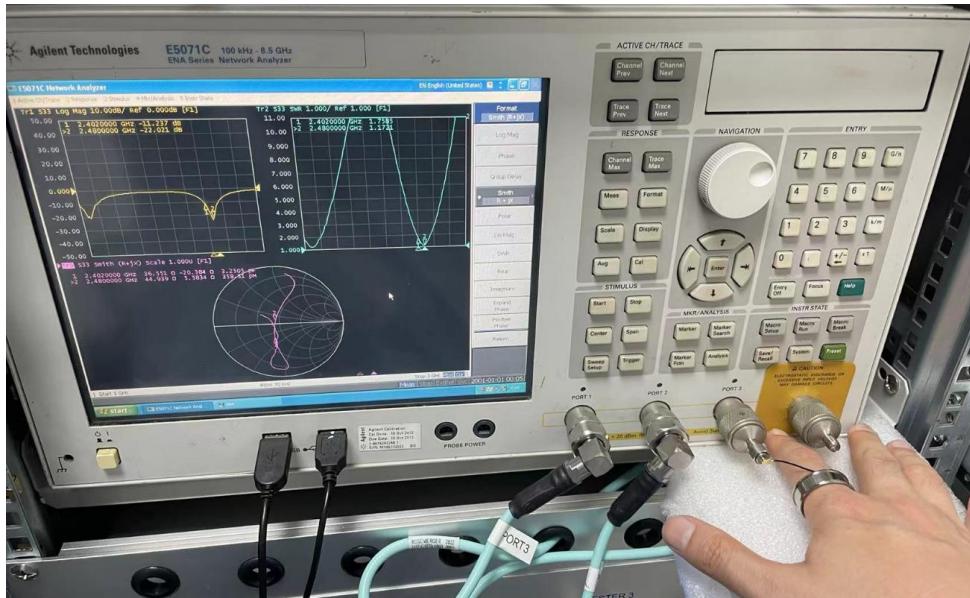
Ring Bare Testing



Conclusion: Ring Bare Testing, BT Antenna S11 rather bad.

Passive S11 Test Data

Ring Wearing On Finger Testing



Conclusion: Ring Wearing on Finger
Testing, BT Antenna S11 rather good.



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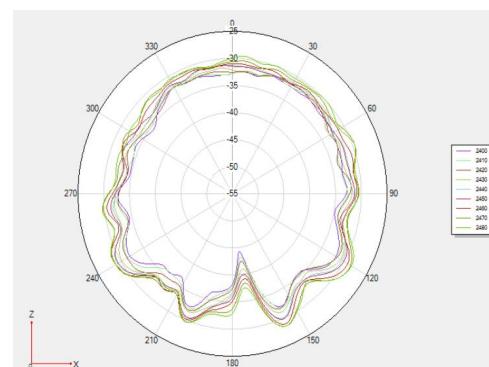


Passive Test Data

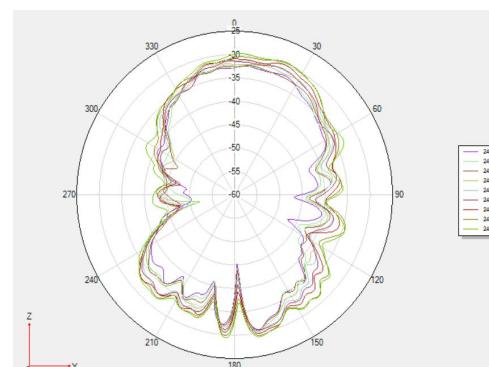
Ring Bare Testing

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	0.03	-5.27
2410	0.03	-4.17
2420	0.03	-3.53
2430	0.04	-2.08
2440	0.04	-3.13
2450	0.04	-4.33
2460	0.05	-5.54
2470	0.05	-4.96
2480	0.06	-3.95

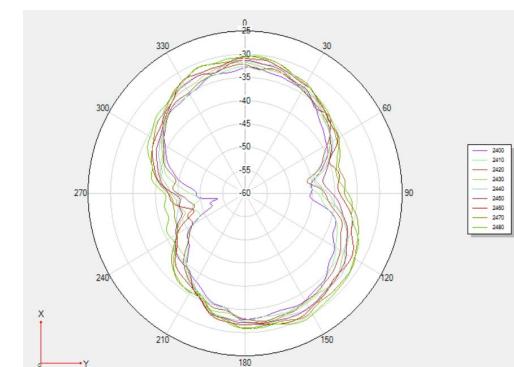
2D Radition pattern



Phi 0 2D

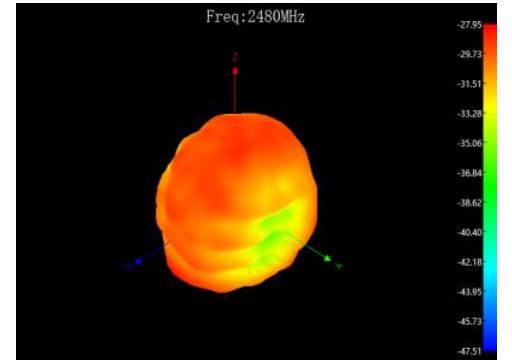
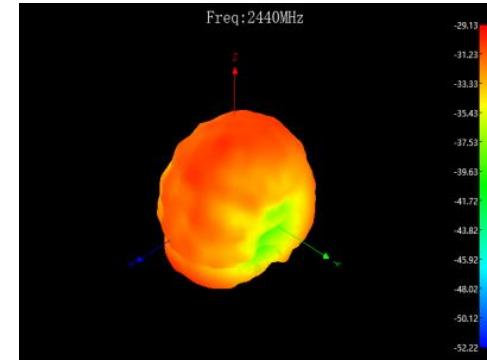
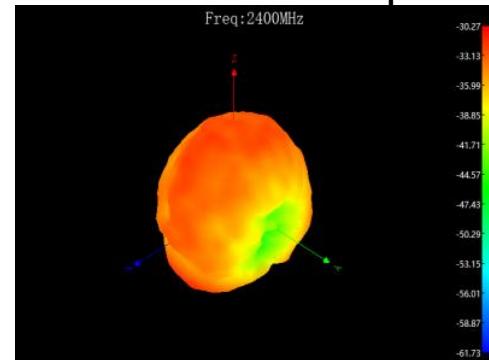


Phi 90 2D



Theta 90 2D

3D Radition pattern



Conclusion: Above Ring Bare Testing Antenna Efficiency rather not good.

Conclusion



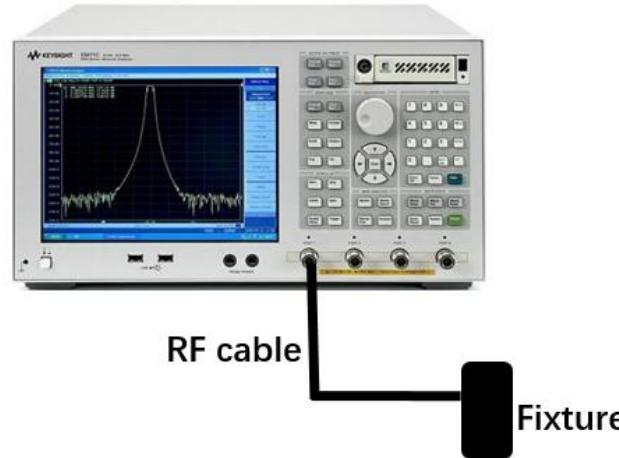
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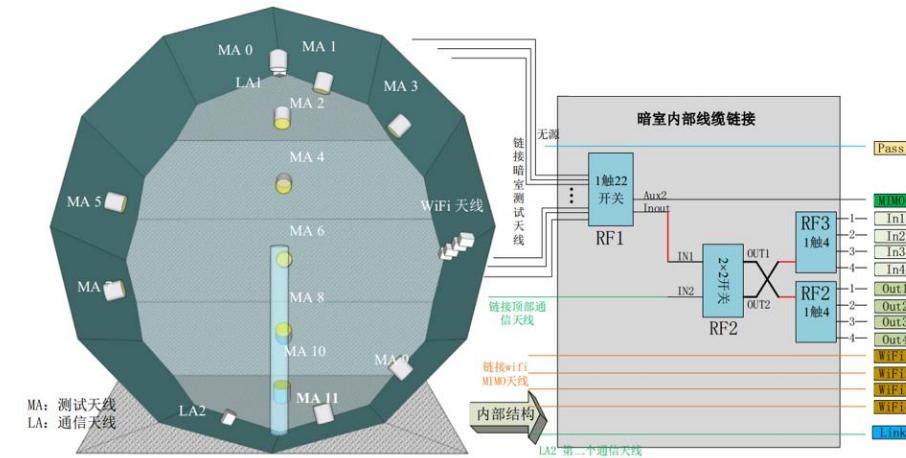
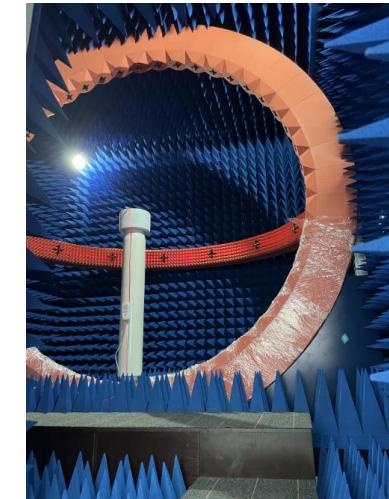
1、BB007Ring Project, bare testing BT performance
rather not good, but after wearing on finger BT Antenna working
frequency matching rather good.

S11 Testing&OTA Testing System

S11 Testing



OTA Testing System



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Thanks

