

Antenna
Test Report

TTFM-10Antenna test report

Version 1.0.0

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NO: 000000001

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Inside

Product Name:	TTFM-10
Antenna Type:	PCB antenna
Writer:	Haigang ruan
Maximum	Gain: 0dBi
	Efficiency:40.18%

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1. General Description

EUT Name	TTFM-10 Antenna
Wireless type	BLE
Antenna Type	PCB antenna
Dimensions	Appendix A

2. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400,2410.....2500MHz

3. Test Standards

Identity	Document Title
IEEE 149-1979	IEEE Standard Test Procedures for Antennas

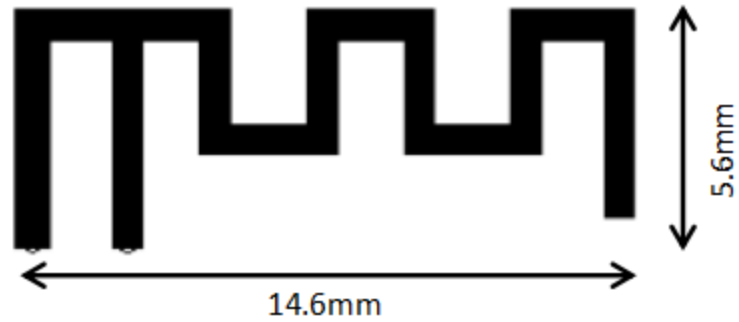
4. Test Item

Report Section	Description
Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern (1D and 3D)

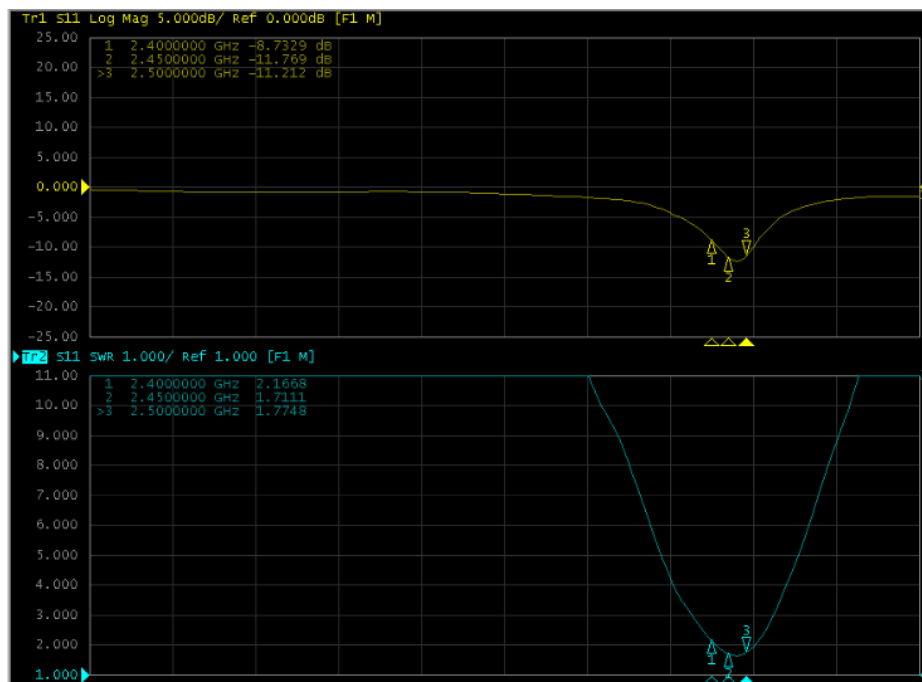
5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR



Frequency (MHz)

2400

2450

2500

Return Loss	-8.73	-11.76	-11.21
VSWR	2.16	1.71	1.77

Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	30.69	-0.98
2410	33.81	-0.67
2420	35.08	-0.37
2430	37.5	-0.12
2440	39.81	0.00
2450	39.36	-0.45
2460	40.18	-0.55
2470	39.81	-0.69
2480	39.36	-0.93
2490	36.73	-1.11

2500	33.42	-2.07
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Appendix D Radiation Pattern(1D and 3D)

