

TEST REPORT

APPLICANT: ZHUHAI YONGTAI ELECTRONIC CO., LTD.

PRODUCT NAME : PCB Antenna

MODEL NAME : 2.4G Antenna

TRADE NAME : N/A

BRAND NAME: N/A

STANDARD(S) : ANSI/IEEE Std 149-2008

RECEIPT DATE : 2020-06-16

TEST DATE : 2020-06-17

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Edited by:

Approved by:

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DIRECTORY

1. Technical Information ······	3
1.1. Applicant and Manufacturer Information ······	3
1.2. Equipment Under Test (EUT) Description ·····	
2. Test Results ·····	
2.1. Applied Reference Documents······	
2.2. Test Conditions ······	2
2.3. Test Results lists ······	
Annex A Test Setup······	5
Annex B Figures ······	(
1. 2D Radiation Pattern······	(
2. 3D Radiation Pattern······	
Annex C Photographs ·······	9
Annex D General Information ······	11
1.1 Identification of the Responsible Testing Laboratory	11
1.2 Identification of the Responsible Testing Location	11
1.3 Test Equipments Utilized······	11

Change History		
Version	Date	Reason for change
1.0	2020-06-19	First edition



1. Technical Information

Note: Provide by manufacturer.

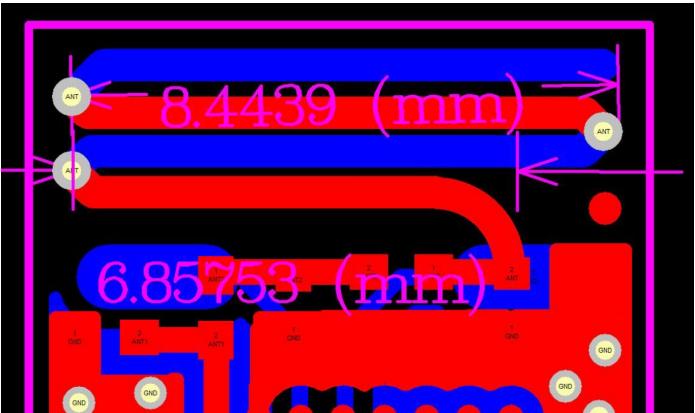
1.1. Applicant and Manufacturer Information

Applicant:	ZHUHAI YONGTAI ELECTRONIC CO., LTD.
Applicant Address:	No.25,Jingfeng Rd.West,Jingding industrial park,
	Tangjiawan(Jingding) Town, Zhuhai City, China
Manufacturer:	N/A
Manufacturer Address:	N/A

1.2. Equipment Under Test (EUT) Description

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Dimensions:





2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	ANSI/IEEE Std 149-2008	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	25 75 %
Temperature:	+10 °C to +30 °C

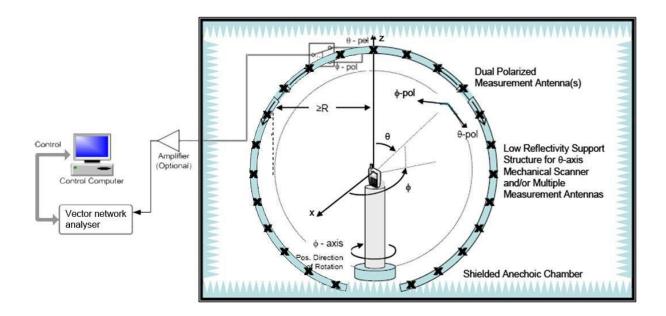
2.3. Test Results lists

2.3.1. Gain

Frequency(MHz)	Gain(dBi)
2405	-2.32
2411	-2.42
2417	-2.42
2430	-2.48
2435	-2.38
2451	-2.19
2457	-2.30
2460	-2.26
2463	-2.36
2469	-2.24
2470	-2.28
2475	-2.22



Annex A Test Setup



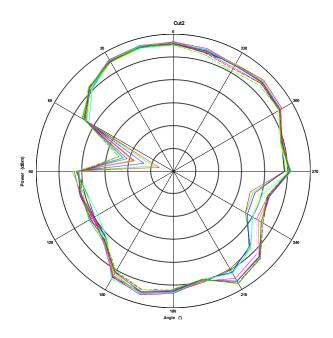




Annex B Figures

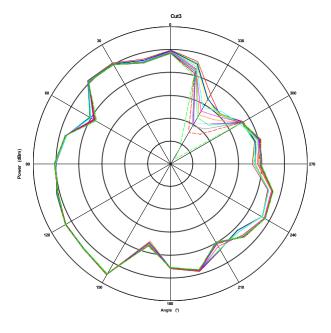
1. 2D Radiation Pattern

Phi=0°



Max: -10 Min: -40 Scale: 5/div

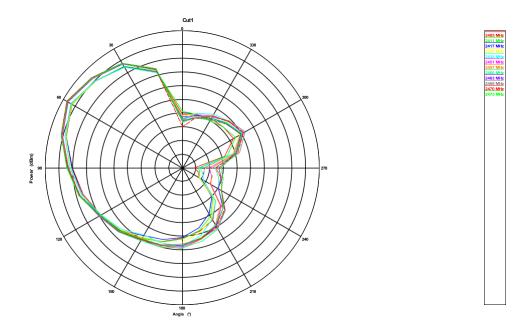
Phi=90°



Max: 0 Min: -60 Scale: 10/div

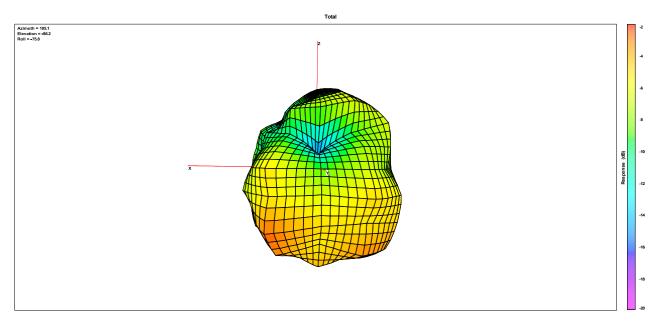






2. 3D Radiation Pattern

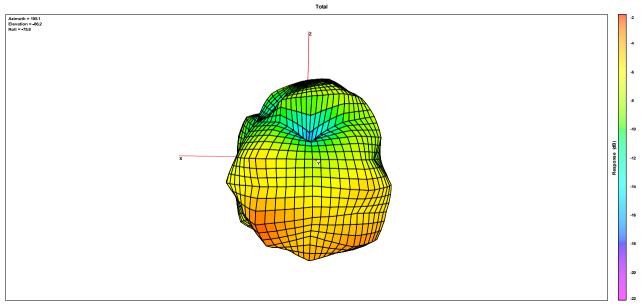
Max: -6 Min: -26 Scale: 2/div



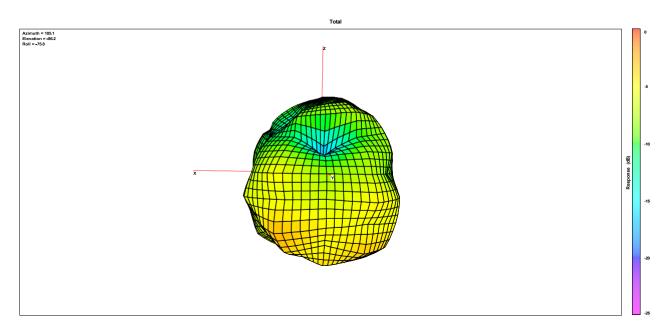
2405MHz





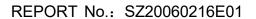


2457MHz



2475MHz

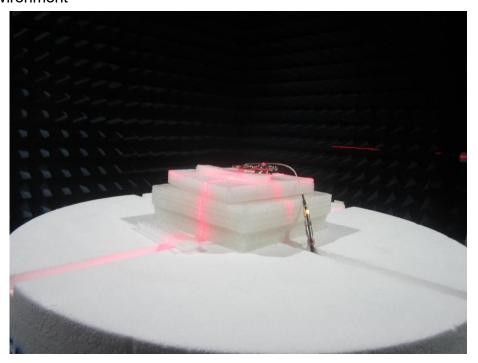




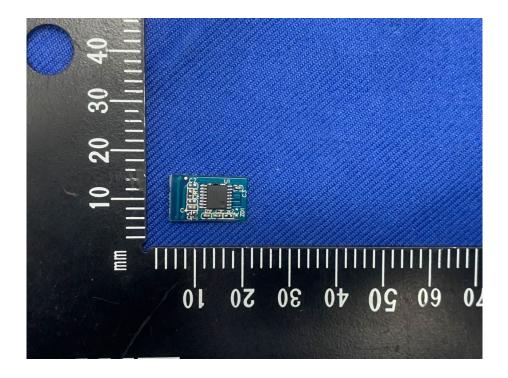


Photographs Annex C

1. Test environment

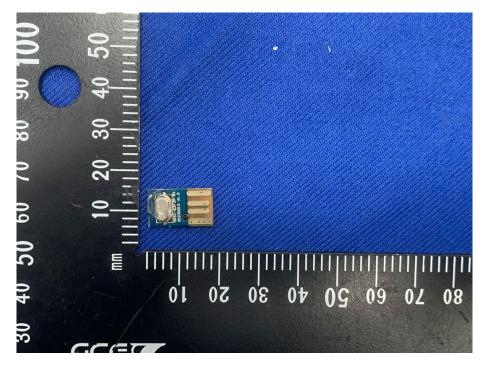


2. EUT



SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.







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General Information Annex D

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab	
	Laboratory	
Laboratory Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang	
	Road, Block67, BaoAn District, ShenZhen , GuangDong	
	Province, P. R. China	
Telephone:	+86 755 36698555	
Facsimile:	+86 755 36698525	

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab	
	Laboratory	
Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang	
	Road, Block67, BaoAn District, ShenZhen , GuangDong	
	Province, P. R. China	

1.3 Test Equipments Utilized

1.3.1 List of Test Equipment

No.	Туре	Specification
1	E5071C Vector Network Analyzer	Manufacturer: Agilent
2	4*4*4 Full Anechoic Chamber	Manufacturer: ETS
3	Multi-probe Antenna Measurement System	Manufacturer: ETS

END OF REPORT -	
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