



REPORT No.: SZ23020315E01

TEST REPORT

APPLICANT : Maxscend Microelectronics Company Limited

PRODUCT NAME : MXD2670F_S40F1_RCU

MODEL NAME : MXD2670F_S40F1_RCU V2

TRADE NAME : N/A

BRAND NAME : Maxscend

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2023-03-01

TEST DATE : 2023-03-02

ISSUE DATE : 2023-03-27

Edited by:

Fang Jinshan(Rapporteur)

Approved by:

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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2023-03-27	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Maxscend Microelectronics Company Limited
Applicant Address:	18 /F,Building 5, Block B, 171 Hele Er street, Hi Tech Zone,Chengdu China, 610041
Manufacturer:	Maxscend Microelectronics Company Limited
Manufacturer Address:	18 /F,Building 5, Block B, 171 Hele Er street, Hi Tech Zone,Chengdu China, 610041

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Frequency	2400MHz-2500MHz
Product HW Version	V2
Product SW Version	V0.0.4
IMEI	N/A
Sample No.	4#

Note: The sample photos shall be provided separately in Appendix B according to customer requirements.



2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

2.2. Test Conditions

Test Environment Conditions:

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

2.3. Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

Item	Measurement Uncertainty(dB)
Gain	±0.5
VSWR	±0.2
Measurement Uncertainty(95% Confidence Interval) K=2	

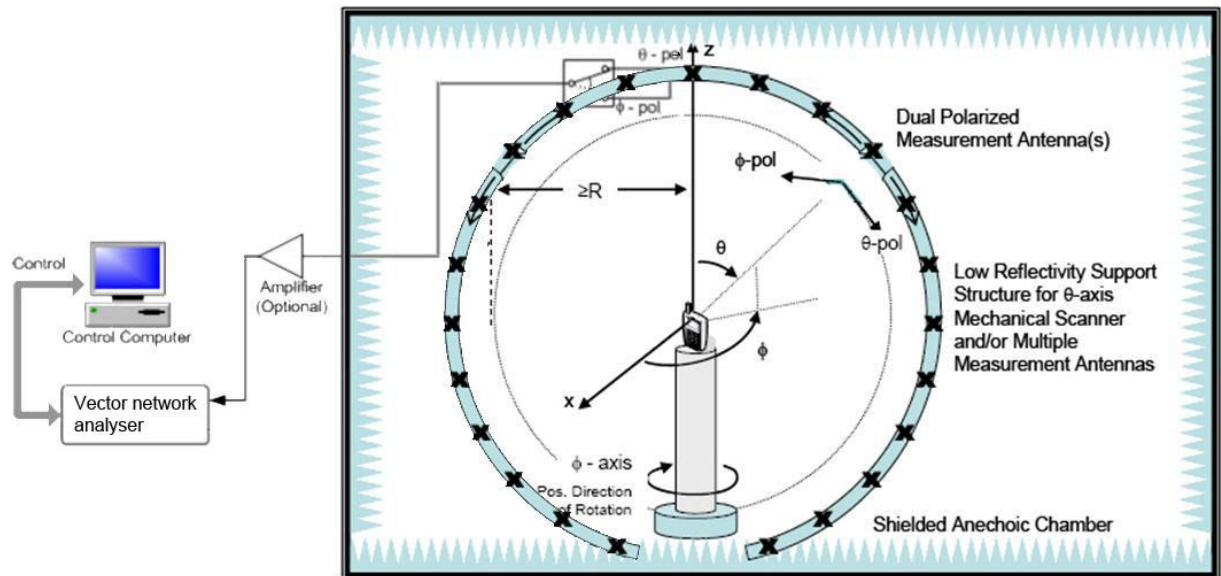


2.4. Test Results lists

2.4.1. Gain

Frequency(MHz)	Gain(dBi)
2400	1.45
2410	1.08
2420	0.67
2430	0.41
2440	0.49
2450	0.58
2460	0.57
2470	0.43
2480	0.35
2490	0.36
2500	0.54

Annex A Test Setup Photos





Annex C General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, 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.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , Guangdong Province, P. R. China

1.3 Test Equipments Utilized

No.	Equipement Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Network Analyzer	MY46110140	E5071C	Agilent	2022.07.04	2023.07.03
2	OTA Chamber	TJ2235-Q1793	AMS-8923 -150	ETS	2022.11.30	2025.11.29
3	Antenna Measurement System	1685	EMQuest EMQ-100 V 1.13 Build 21267	ETS	N/A	N/A

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