

RF Test Report

For

Applicant name: FOXX Development Inc.
Address: 3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA
EUT name: 5G Mobile Hotspot
Brand name: FOXXD, FOXX, MIRO
Model number: Q3
Series model number: N/A
FCC ID: 2AQRM-Q3

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China

Report number: BTF250916R00404
Test standards: FCC CFR Title 47 Part 2, 22H, 24E, 27H, 27L, 27M, 90S
Test conclusion: Pass
Date of sample receipt: 2025-09-16
Test date: 2025-09-17 to 2025-10-22
Date of issue: 2026-01-04

Test by: Sean He
Sean He / Tester

Prepared by: Chris Liu
Chris Liu / Project engineer

Approved by: Ryan.CJ
Ryan.CJ/EMC manager



Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue date	Revisions content
R_V0	2026-01-04	Original
<i>Note:</i> <i>Once the revision has been made, then previous versions reports are invalid.</i>		

Table of Contents

1	Introduction.....	4
1.1	Laboratory Location	4
1.2	Laboratory Facility	4
1.3	Announcement.....	4
2	Product Information	5
2.1	Application Information	5
2.2	Manufacturer Information.....	5
2.3	Factory Information	5
2.4	General Description of Equipment under Test (EUT).....	5
2.5	Technical Information	5
3	Test Information	6
3.1	Test Standards.....	6
3.2	Summary of Test.....	6
3.3	Uncertainty of Test.....	8
3.4	Additions to, deviations, or exclusions from the method	8
3.5	Test Auxiliary Equipment	8
3.6	Test Equipment List	8
4	Test Configuration.....	10
4.1	Environment Condition	10
4.2	Test mode	10
4.3	Test procedure	11
4.4	Test Setup Block.....	12
5	Technical requirements specification	13
5.1	Field Strength of Spurious Radiation	13
6	Test Setup Photos	24
7	EUT Constructional Details (EUT Photos)	24

1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Description:	All measurement facilities used to collect the measurement data are located at 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
- (7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

2 Product Information

2.1 Application Information

Company name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.2 Manufacturer Information

Company name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.3 Factory Information

Company name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.4 General Description of Equipment under Test (EUT)

EUT name	5G Mobile Hotspot
Under test model name	Q3
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Rating:	Li-ion polymer Battery DC 3.7V 10000mAh 37.00Wh

2.5 Technical Information

Operation frequency:	Band N2:	Tx: 1850MHz-1910 MHz	Rx: 1930MHz-1990MHz
	Band N5:	Tx: 824 MHz -849 MHz	Rx: 869 MHz-894MHz
	Band N25:	Tx: 1850 MHz -1915 MHz	Rx: 1930MHz-1995MHz
	Band N41:	Tx: 2496 MHz -2690 MHz	Rx: 2496MHz-2690MHz
	Band N66:	Tx: 1710 MHz -1780 MHz	Rx: 2110 MHz-2180MHz
	Band N71:	Tx: 663 MHz -698 MHz	Rx: 617MHz-652MHz
	Band N77a:	Tx: 3700 MHz-3980 MHz	Rx:3700MHz-3980 MHz
	Band N77d:	Tx: 3450 MHz - 3550 MHz	Rx:3450MHz-3550 MHz
	Band N78a:	Tx: 3700 MHz -3800 MHz	Rx: 3700MHz-3800MHz
	Band N78e:	Tx: 3450 MHz -3550 MHz	Rx: 3450MHz-3550MHz
Modulation Type:	DFT-s-OFDM:	QPSK, PI/2 BPSK, 64 QAM, 256 QAM, 16 QAM,	
	CP-OFDM:	QPSK, 64 QAM, 256 QAM, 16 QAM	
Network Mode:	SA:	N2, N5, N25, N41, N66, N71, N77, N78	
SCS Suport:	FDD:15kHz	TDD:30kHz	
Antenna type:	Internal Antenna		

The Max RF Output Power (EIRP/ERP)	5G NR n 2: 22.58dBm 5G NR n 5:20.95dBm 5G NR n 25: 22.42dBm 5G NR n 41: 28.76dBm 5G NR n 66: 22.68dBm 5G NR n 71: 15.88dBm 5G NR n 77a: 28.60dBm 5G NR n 77d: 26.43dBm 5G NR n 78a: 28.16dBm 5G NR n 78e: 22.43dBm
------------------------------------	---

3 Test Information

3.1 Test Standards

Identity	Document Title
FCC CFR Title 47 Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
FCC CFR Title 47 Part 22 Subpart H	Cellular Radiotelephone Service
FCC CFR Title 47 Part 24 Subpart E	Broadband PCS
FCC CFR Title 47 Part 27 Subpart L	1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 2110-2155MHz, 2155-2180 MHz, 2180-2200 MHz Bands
FCC CFR Title 47 Part 27 Subpart M	Broadband Radio Service and Educational Broadband Service
FCC CFR Title 47 Part 27 Subpart N	600 MHz Band
FCC CFR Title 47 Part 27 Subpart Q	3.45 GHz Service (3450-3550 MHz)
FCC CFR Title 47 Part 90 Subpart S	Regulations Governing Licensing and Use of Frequencies in the 806-824, 851-869, 896-901, and 935-940 MHz Bands
ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
ANSI/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards

3.2 Summary of Test

Clauses	Test Items	Result
§ 2.1046 § 22.913(a)(5) § 24.232(c)§ 27.50(c)(10) § 27.50(d)(4) § 27.50(h)(2) § 90.635(b)	RF Output Power	Appendix- 5G NR
§ 24.232(d) § 27.50(d)(5)	Peak-to-Average Power Ratio	Appendix- 5G NR
§ 2.1047	Modulation Characteristics	Appendix- 5G NR

§ 2.1049	26dB Emission Bandwidth 99% Occupied Bandwidth	Appendix- 5G NR
§ 2.1051 § 22.917(a) § 24.238(a) § 27.53(g) § 27.53(h) § 27.53(m)(4) § 90.691(a)	Out of Band Emission at Antenna Terminals	Appendix- 5G NR
§ 2.1053 § 22.917(a) § 24.238(a) § 27.53(g) § 27.53(h) § 27.53(m)(4) § 90.691(a)	Field Strength of Spurious Radiation	Appendix- 5G NR
§ 2.1055 § 22.355 § 24.235 § 27.54 § 90.213	Frequency Stability	Appendix- 5G NR
Remark: 1. Pass: met the requirements. 2. N/A: not applicable.		

3.3 Uncertainty of Test

Measurement	Value
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3.0 dB
Unwanted Emissions, conducted	±3.0 dB
Supply voltages	±3 %
Time	±5 %
Conducted Emission for LISN (9kHz ~ 150kHz)	±2.97 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.45 dB
Radiated Emission (30MHz ~ 1000MHz)	±4.80 dB
Radiated Emission (1GHz ~ 18GHz)	±4.82 dB
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3.4 Additions to, deviations, or exclusions from the method

None

3.5 Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.6 Test Equipment List

Radiated test method					
Test Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EMI Receiver	Rohde & Schwarz	ESCI7	101032	2024/10/25	2025/10/24
Signal Analyzer	Rohde & Schwarz	FSQ40	100010	2024/10/25	2025/10/24
Log periodic antenna	Schwarzbeck	VULB 9168	01328	2024/10/28	2025/10/27
Preamplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9744	00246	2025-10-17	2026-10-16
Horn Antenna	Schwarzbeck	BBHA9120D	2597	2024/10/30	2025/10/29
Preamplifier (1GHz ~ 18GHz)	Schwarzbeck	BBV9718D	00008	2025-10-17	2026-10-16
Wireless communication test platform	Anritsu	MT8000A	6262208369	2025/03/21	2026/03/20
Radio communication analyzer	Anritsu	MT8821C	6262192286	2025/03/21	2026/03/20
Test Software	Frad	EZ_EM C	Version: FA-03A2 RE+		

Conducted test method					
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Keysight	N9020A	MY50410020	2024/10/25	2025/10/24
ESG Vector Signal Generator	Agilent	E4438C	MY45094854	2024/10/25	2025/10/24
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2024/10/25	2025/10/24
Wireless communication test platform	Anritsu	MT8000A	6262208369	2025/03/21	2026/03/20
Radio communication analyzer	Anritsu	MT8821C	6262192286	2025/03/21	2026/03/20
Temperature Humidity Chamber	ZZCKONG	ZZ-K02A	20210928007	2024/10/25	2025/10/24
DC Power Supply	Tongmen	etm-6050c	20211026123	2024/10/25	2025/10/24
RF Control Unit	Techy	TR1029-1	/	2024/10/25	2025/10/24
RF Sensor Unit	Techy	TR1029-2	/	2024/10/25	2025/10/24
Test Software	TST Pass	/	Version: 2.0		

4 Test Configuration

4.1 Environment Condition

Selected Values During Tests		
Temperature	Relative Humidity	Ambient Pressure
Normal: +15°C to +35°C Extreme: -30°C to +50°C	20% to 75%	86 kPa to 106 kPa

4.2 Test mode

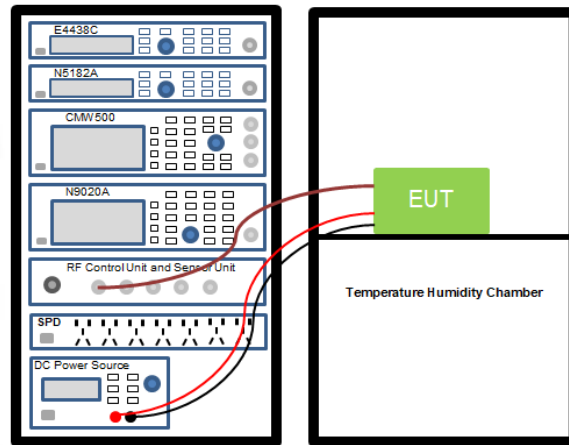
QPSK mode:	Keep the EUT communication with simulated station in QPSK mode
16QAM mode:	Keep the EUT communication with simulated station in 16QAM mode
64QAM mode:	Keep the EUT communication with simulated station in 64QAM mode
256QAM mode	Keep the EUT communication with simulated station in 256QAM mode
Remark: Per-scan all kind of data rate, and report only reflects the test data of worst data rate mode.	

4.3 Test procedure

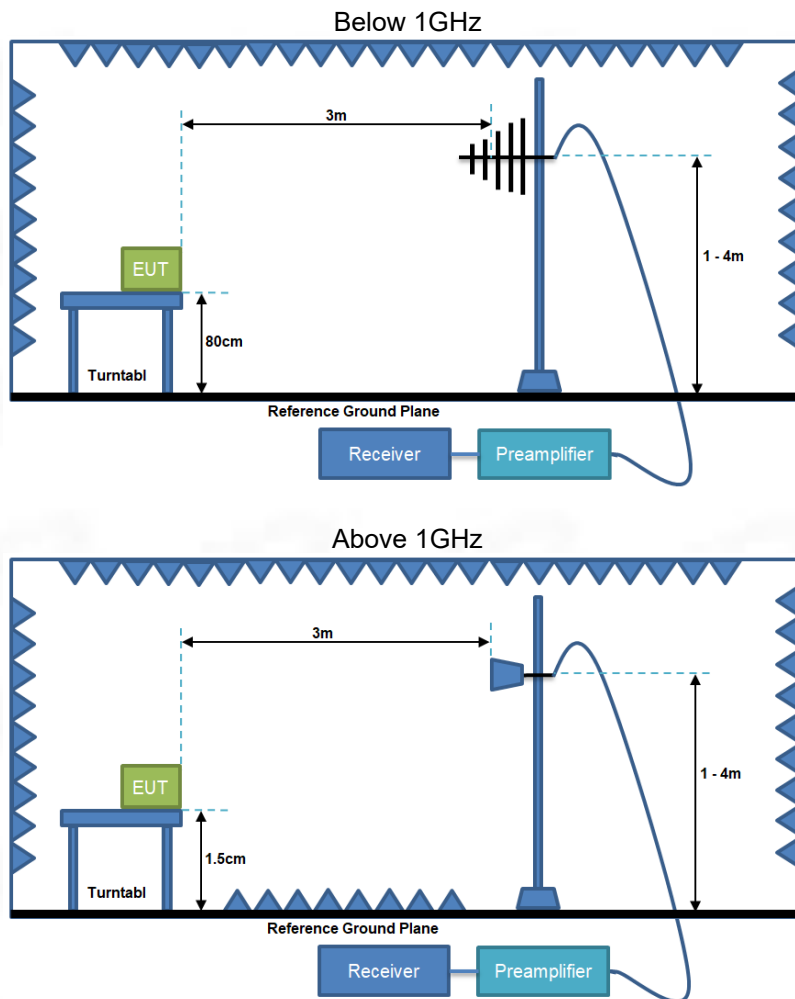
Radiated test method
For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method
1. The 5G NR antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

4.4 Test Setup Block

1) Conducted test method:



2) Radiated test method:



5 Technical requirements specification

5.1 Field Strength of Spurious Radiation

Temperature	22.5°C	Humidity	56%
Test voltage	DC 3.7V	Test Engineer	Sean He

Band N2, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705	-57.03	3.2	-53.83	-13	-40.83	Vertical
5557.5	-59.04	8.72	-50.32	-13	-37.32	Horizontal
7410	-57.12	11.84	-45.28	-13	-32.28	Vertical
3705	-57.66	3.2	-54.46	-13	-41.46	Horizontal
5557.5	-60.04	8.72	-51.32	-13	-38.32	Vertical
7410	-57.88	11.84	-46.04	-13	-33.04	Horizontal
Middle channel						
3760	-57.89	3.17	-54.72	-13	-41.72	Vertical
5640	-59.9	8.7	-51.2	-13	-38.2	Horizontal
7520	-57.98	12.15	-45.83	-13	-32.83	Vertical
3760	-57.24	3.17	-54.07	-13	-41.07	Horizontal
5640	-59.62	8.7	-50.92	-13	-37.92	Vertical
7520	-57.46	12.15	-45.31	-13	-32.31	Horizontal
Highest channel						
3815	-58.54	3.14	-55.4	-13	-42.4	Vertical
5722.5	-60.55	8.68	-51.87	-13	-38.87	Horizontal
7630	-58.63	12.41	-46.22	-13	-33.22	Vertical
3815	-56.56	3.14	-53.42	-13	-40.42	Horizontal
5722.5	-58.94	8.68	-50.26	-13	-37.26	Vertical
7630	-56.78	12.41	-44.37	-13	-31.37	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N5, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1653	-56.04	-5.69	-61.73	-13	-48.73	Vertical
2479.5	-60.6	-1.52	-62.12	-13	-49.12	Horizontal
3306	-57.12	2.63	-54.49	-13	-41.49	Vertical
1653	-56.67	-5.69	-62.36	-13	-49.36	Horizontal
2479.5	-61.6	-1.52	-63.12	-13	-50.12	Vertical
3306	-57.88	2.63	-55.25	-13	-42.25	Horizontal
Middle channel						
1673	-56.9	-5.55	-62.45	-13	-49.45	Vertical
2509.5	-61.46	-1.35	-62.81	-13	-49.81	Horizontal
3346	-57.98	2.77	-55.21	-13	-42.21	Vertical
1673	-56.25	-5.55	-61.8	-13	-48.8	Horizontal
2509.5	-61.18	-1.35	-62.53	-13	-49.53	Vertical
3346	-57.46	2.77	-54.69	-13	-41.69	Horizontal
Highest channel						
1693	-57.55	-5.41	-62.96	-13	-49.96	Vertical
2539.5	-62.11	-1.21	-63.32	-13	-50.32	Horizontal
3386	-58.63	2.91	-55.72	-13	-42.72	Vertical
1693	-55.57	-5.41	-60.98	-13	-47.98	Horizontal
2539.5	-60.5	-1.21	-61.71	-13	-48.71	Vertical
3386	-56.78	2.91	-53.87	-13	-40.87	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N25, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705	-55.24	3.2	-52.04	-13	-39.04	Vertical
5557.5	-58.97	8.72	-50.25	-13	-37.25	Horizontal
7410	-57.71	11.84	-45.87	-13	-32.87	Vertical
3705	-55.87	3.2	-52.67	-13	-39.67	Horizontal
5557.5	-59.97	8.72	-51.25	-13	-38.25	Vertical
7410	-58.47	11.84	-46.63	-13	-33.63	Horizontal
Middle channel						
3765	-56.1	3.16	-52.94	-13	-39.94	Vertical
5647.5	-59.83	8.71	-51.12	-13	-38.12	Horizontal
7530	-58.57	12.17	-46.4	-13	-33.4	Vertical
3765	-55.45	3.16	-52.29	-13	-39.29	Horizontal
5647.5	-59.55	8.71	-50.84	-13	-37.84	Vertical
7530	-58.05	12.17	-45.88	-13	-32.88	Horizontal
Highest channel						
3825	-56.75	3.13	-53.62	-13	-40.62	Vertical
5737.5	-60.48	8.67	-51.81	-13	-38.81	Horizontal
7650	-59.22	12.46	-46.76	-13	-33.76	Vertical
3825	-54.77	3.13	-51.64	-13	-38.64	Horizontal
5737.5	-58.87	8.67	-50.2	-13	-37.2	Vertical
7650	-57.37	12.46	-44.91	-13	-31.91	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N41, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
5002.02	-60.9	7.19	-53.71	-25.00	-28.71	Vertical
7503.03	-55.9	12.46	-43.44	-25.00	-18.44	Horizontal
10004.04	-55.16	15.43	-39.73	-25.00	-14.73	Vertical
5002.02	-62.9	7.19	-55.71	-25.00	-30.71	Horizontal
7503.03	-63.14	12.46	-50.68	-25.00	-25.68	Vertical
10004.04	-57.52	15.43	-42.09	-25.00	-17.09	Horizontal
Middle channel						
5186.01	-62.11	7.6	-54.51	-25.00	-29.51	Vertical
7779.015	-57.11	12.82	-44.29	-25.00	-19.29	Horizontal
10372.02	-56.37	16.05	-40.32	-25.00	-15.32	Vertical
5186.01	-65.16	7.6	-57.56	-25.00	-32.56	Horizontal
7779.015	-63.65	12.82	-50.83	-25.00	-25.83	Vertical
10372.02	-58.03	16.05	-41.98	-25.00	-16.98	Horizontal
Highest channel						
5370	-62.36	8.02	-54.34	-25.00	-29.34	Vertical
8055	-57.36	13.29	-44.07	-25.00	-19.07	Horizontal
10740	-56.62	16.34	-40.28	-25.00	-15.28	Vertical
5370	-63.9	8.02	-55.88	-25.00	-30.88	Horizontal
8055	-64	13.29	-50.71	-25.00	-25.71	Vertical
10740	-58.38	16.34	-42.04	-25.00	-17.04	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N66, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3425	-61.04	3.05	-57.99	-13	-44.99	Vertical
5137.5	-59.71	7.29	-52.42	-13	-39.42	Horizontal
6850	-58.03	10.55	-47.48	-13	-34.48	Vertical
3425	-61.67	3.05	-58.62	-13	-45.62	Horizontal
5137.5	-60.71	7.29	-53.42	-13	-40.42	Vertical
6850	-58.79	10.55	-48.24	-13	-35.24	Horizontal
Middle channel						
3490	-61.9	3.28	-58.62	-13	-45.62	Vertical
5235	-60.57	7.68	-52.89	-13	-39.89	Horizontal
6980	-58.89	10.68	-48.21	-13	-35.21	Vertical
3490	-61.25	3.28	-57.97	-13	-44.97	Horizontal
5235	-60.29	7.68	-52.61	-13	-39.61	Vertical
6980	-58.37	10.68	-47.69	-13	-34.69	Horizontal
Highest channel						
3555	-62.55	3.28	-59.27	-13	-46.27	Vertical
5332.5	-61.22	8.08	-53.14	-13	-40.14	Horizontal
7110	-59.54	11.01	-48.53	-13	-35.53	Vertical
3555	-60.57	3.28	-57.29	-13	-44.29	Horizontal
5332.5	-59.61	8.08	-51.53	-13	-38.53	Vertical
7110	-57.69	11.01	-46.68	-13	-33.68	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N71, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1331	-60.04	-7.13	-67.17	-13.00	-54.17	Vertical
1996.5	-58.73	-3.29	-62.02	-13.00	-49.02	Horizontal
2662	-57.31	-0.66	-57.97	-13.00	-44.97	Vertical
1331	-60.67	-7.13	-67.8	-13.00	-54.8	Horizontal
1996.5	-59.73	-3.29	-63.02	-13.00	-50.02	Vertical
2662	-58.07	-0.66	-58.73	-13.00	-45.73	Horizontal
Middle channel						
1361	-60.9	-6.86	-67.76	-13.00	-54.76	Vertical
2041.5	-59.59	-3.13	-62.72	-13.00	-49.72	Horizontal
2722	-58.17	-0.34	-58.51	-13.00	-45.51	Vertical
1361	-60.25	-6.86	-67.11	-13.00	-54.11	Horizontal
2041.5	-59.31	-3.13	-62.44	-13.00	-49.44	Vertical
2722	-57.65	-0.34	-57.99	-13.00	-44.99	Horizontal
Highest channel						
1391	-61.55	-6.6	-68.15	-13.00	-55.15	Vertical
2086.5	-60.24	-2.97	-63.21	-13.00	-50.21	Horizontal
2782	-58.82	-0.03	-58.85	-13.00	-45.85	Vertical
1391	-59.57	-6.6	-66.17	-13.00	-53.17	Horizontal
2086.5	-58.63	-2.97	-61.6	-13.00	-48.6	Vertical
2782	-56.97	-0.03	-57	-13.00	-44	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N77a, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
7410	-78.53	12.15	-66.38	-13.00	-53.38	Vertical
11115	-78.53	16.71	-61.82	-13.00	-48.82	Horizontal
14820	-78.53	21.81	-56.72	-13.00	-43.72	Vertical
7410	-78.53	12.15	-66.38	-13.00	-53.38	Horizontal
11115	-78.53	16.71	-61.82	-13.00	-48.82	Vertical
14820	-78.53	21.81	-56.72	-13.00	-43.72	Horizontal
Middle channel						
7680	-99.65	12.7	-86.95	-13.00	-73.95	Vertical
11520	-99.15	17.71	-81.44	-13.00	-68.44	Horizontal
15360	-97.22	22.23	-74.99	-13.00	-61.99	Vertical
7680	-99	12.7	-86.3	-13.00	-73.3	Horizontal
11520	-98.87	17.71	-81.16	-13.00	-68.16	Vertical
15360	-96.7	22.23	-74.47	-13.00	-61.47	Horizontal
Highest channel						
7950	-20.19	-37.13	-57.32	-13	-44.32	Vertical
11925	-19.69	-36.89	-56.58	-13	-43.58	Horizontal
15900	-17.76	-36.55	-54.31	-13	-41.31	Vertical
7950	-18.21	-37.13	-55.34	-13	-42.34	Horizontal
11925	-18.08	-36.89	-54.97	-13	-41.97	Vertical
15900	-15.91	-36.55	-52.46	-13	-39.46	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N78a, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
6910	-71.04	10.61	-60.43	-13.00	-47.43	Vertical
10365	-74.42	16.1	-58.32	-13.00	-45.32	Horizontal
13820	-63.97	21.64	-42.33	-13.00	-29.33	Vertical
6910	-76.67	10.61	-66.06	-13.00	-53.06	Horizontal
10365	-75.42	16.1	-59.32	-13.00	-46.32	Vertical
13820	-64.73	21.64	-43.09	-13.00	-30.09	Horizontal
Middle channel						
7000	-78.65	10.7	-67.95	-13.00	-54.95	Vertical
10500	-81.15	16.36	-64.79	-13.00	-51.79	Horizontal
14000	-84.22	21.95	-62.27	-13.00	-49.27	Vertical
7000	-89	10.7	-78.3	-13.00	-65.3	Horizontal
10500	-80.87	16.36	-64.51	-13.00	-51.51	Vertical
14000	-78.7	21.95	-56.75	-13.00	-43.75	Horizontal
Highest channel						
7090	-77.3	10.96	-66.34	-13.00	-53.34	Vertical
10635	-78.8	16.5	-62.3	-13.00	-49.3	Horizontal
14180	-81.87	21.88	-59.99	-13.00	-46.99	Vertical
7090	-79.32	10.96	-68.36	-13.00	-55.36	Horizontal
10635	-81.19	16.5	-64.69	-13.00	-51.69	Vertical
14180	-77.02	21.88	-55.14	-13.00	-42.14	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N77d, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
6910	-71.04	10.61	-60.43	-13.00	-47.43	Vertical
10365	-74.42	16.1	-58.32	-13.00	-45.32	Horizontal
13820	-63.97	21.64	-42.33	-13.00	-29.33	Vertical
6910	-76.67	10.61	-66.06	-13.00	-53.06	Horizontal
10365	-75.42	16.1	-59.32	-13.00	-46.32	Vertical
13820	-64.73	21.64	-43.09	-13.00	-30.09	Horizontal
Middle channel						
7000	-78.65	10.7	-67.95	-13.00	-54.95	Vertical
10500	-81.15	16.36	-64.79	-13.00	-51.79	Horizontal
14000	-84.22	21.95	-62.27	-13.00	-49.27	Vertical
7000	-89	10.7	-78.3	-13.00	-65.3	Horizontal
10500	-80.87	16.36	-64.51	-13.00	-51.51	Vertical
14000	-78.7	21.95	-56.75	-13.00	-43.75	Horizontal
Highest channel						
7090	-77.3	10.96	-66.34	-13.00	-53.34	Vertical
10635	-78.8	16.5	-62.3	-13.00	-49.3	Horizontal
14180	-81.87	21.88	-59.99	-13.00	-46.99	Vertical
7090	-79.32	10.96	-68.36	-13.00	-55.36	Horizontal
10635	-81.19	16.5	-64.69	-13.00	-51.69	Vertical
14180	-77.02	21.88	-55.14	-13.00	-42.14	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N78a, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
7410	-73.67	11.84	-61.83	-13	-48.83	Vertical
11115	-66.33	17.12	-49.21	-13	-36.21	Horizontal
14820	-60.14	21.38	-38.76	-13	-25.76	Vertical
7410	-74.3	11.84	-62.46	-13	-49.46	Horizontal
11115	-67.33	17.12	-50.21	-13	-37.21	Vertical
14820	-60.9	21.38	-39.52	-13	-26.52	Horizontal
Middle channel						
7500	-61.16	12.1	-49.06	-13	-36.06	Vertical

11250	-59.1	17.41	-41.69	-13	-28.69	Horizontal
15000	-57.17	21.17	-36	-13	-23	Vertical
7500	-60.51	12.1	-48.41	-13	-35.41	Horizontal
11250	-58.82	17.41	-41.41	-13	-28.41	Vertical
15000	-56.65	21.17	-35.48	-13	-22.48	Horizontal
Highest channel						
7590	-61.81	12.32	-49.49	-13	-36.49	Vertical
11385	-59.75	17.7	-42.05	-13	-29.05	Horizontal
15180	-57.82	21.53	-36.29	-13	-23.29	Vertical
7590	-59.83	12.32	-47.51	-13	-34.51	Horizontal
11385	-58.14	17.7	-40.44	-13	-27.44	Vertical
15180	-55.97	21.53	-34.44	-13	-21.44	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

Band N78e, 10MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
6910.02	-60.47	10.61	-49.86	-13	-36.86	Vertical
10365.03	-58.33	16.1	-42.23	-13	-29.23	Horizontal
13820.04	-56.56	21.64	-34.92	-13	-21.92	Vertical
6910.02	-61.1	10.61	-50.49	-13	-37.49	Horizontal
10365.03	-59.33	16.1	-43.23	-13	-30.23	Vertical
13820.04	-57.32	21.64	-35.68	-13	-22.68	Horizontal
Middle channel						
6999.99	-61.33	10.7	-50.63	-13	-37.63	Vertical
10499.985	-59.19	16.36	-42.83	-13	-29.83	Horizontal
13999.98	-57.42	21.95	-35.47	-13	-22.47	Vertical
6999.99	-60.68	10.7	-49.98	-13	-36.98	Horizontal
10499.985	-58.91	16.36	-42.55	-13	-29.55	Vertical
13999.98	-56.9	21.95	-34.95	-13	-21.95	Horizontal
Highest channel						
7089.99	-61.98	10.93	-51.05	-13	-38.05	Vertical
10634.985	-59.84	16.5	-43.34	-13	-30.34	Horizontal
14179.98	-58.07	21.88	-36.19	-13	-23.19	Vertical
7089.99	-60	10.93	-49.07	-13	-36.07	Horizontal
10634.985	-58.23	16.5	-41.73	-13	-28.73	Vertical

14179.98	-56.22	21.88	-34.34	-13	-21.34	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

6 Test Setup Photos

Please refer to the Appendix I Test Setup Photos

7 EUT Constructional Details (EUT Photos)

Please refer to the Appendix II External Photos & Appendix III External Photos



BTF Testing Lab (Shenzhen) Co., Ltd.

101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict,
Bao'an District, Shenzhen, China

www.btf-lab.com

--END OF REPORT--