

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: BTF250916R00403
Test standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part22
FCC CFR Title 47 Part24
FCC CFR Title 47 Part27
FCC CFR Title 47 Part90
Test conclusion: Pass
Date of sample receipt: 2025-09-16
Test date: 2025-09-17 to 2025-10-22
Date of issue: 2025-12-17
Test by: Sean He
Sean He / Tester
Prepared by: Chris Liu
Chris Liu / Project engineer

Approved by



Ryan GU/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	2025-12-17	Original
<i>Note:</i> <i>Once the revision has been made, then previous versions reports are invalid.</i>		

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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
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.
- **VCCI - Registration No.: C-20122, G-20157, R-20166**
EMC LAB: Certificated by VCCI, Japan
Registration No.: C-20122, G-20157, R-20166
Date of Registration: June 20, 2025
This Certificate is valid until June 19, 2028

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:	WCDMA/HSDPA/HSUPA Band 2: 1852.4 MHz ~ 1907.6 MHz WCDMA/HSDPA/HSUPA Band 4: 1712.4 MHz ~ 1752.6 MHz WCDMA/HSDPA/HSUPA Band 5: 826.4 MHz ~ 846.6 MHz FDD LTE Band 2: 1850.7 MHz ~ 1909.3 MHz FDD LTE Band 4: 1710.7 MHz ~ 1754.3 MHz FDD LTE Band 5: 824.7 MHz ~ 848.3 MHz FDD LTE Band 7: 2502.5 MHz ~ 2567.5 MHz FDD LTE Band 12: 699.7 MHz ~ 715.3 MHz FDD LTE Band 13: 779.5 MHz ~ 784.5 MHz FDD LTE Band 25: 1850.7 MHz ~ 1914.3 MHz FDD LTE Band 26a: 814.7 MHz ~ 823.3 MHz FDD LTE Band 26b: 824.7 MHz ~ 848.3 MHz TDD LTE Band 41: 2498.5 MHz ~ 2687.5 MHz FDD LTE Band 66: 1710.7 MHz ~ 1779.3 MHz FDD LTE Band 71: 665.5 MHz ~ 695.5 MHz	
Modulation Type:	GSM/GPRS	GMSK
	EGPRS	8PSK
	WCDMA	QPSK

	HSDPA/HSUPA	QPSK
		16QAM
	LTE	QPSK
		16QAM
Antenna type:	Internal Antenna	
Antenna gain:	WCDMA Band 2: 0.3 dBi WCDMA Band 4: 0.4 dBi WCDMA Band 5: 0.3 dBi FDD LTE Band 2: 0.3 dBi FDD LTE Band 4: 0.4 dBi FDD LTE Band 5: 0.3 dBi FDD LTE Band 7: 4.3 dBi (declare by Applicant)	FDD LTE Band 12: -1.7 dBi FDD LTE Band 13: -1.2 dBi FDD LTE Band 25: 0.3 dBi FDD LTE Band 26a: 0.3 dBi FDD LTE Band 26b: 0.3 dBi FDD LTE Band 41: 4.4 dBi FDD LTE Band 66: 0.4 dBi FDD LTE Band 71: -4.8 dBi (declare by Applicant)
Power Class	GSM/GPRS 850: 4 GSM/GPRS 1900: 1 EGPRS 850/1900: E2 WCDMA/HSDPA/HSUPA Band 2: 3 WCDMA/HSDPA/HSUPA Band 4: 3 WCDMA/HSDPA/HSUPA Band 5: 3 FDD LTE Band 2: 3 FDD LTE Band 4: 3 FDD LTE Band 5: 3	FDD LTE Band 7: 3 FDD LTE Band 12: 3 FDD LTE Band 13: 3 FDD LTE Band 25: 3 FDD LTE Band 26a: 3 FDD LTE Band 26b: 3 FDD LTE Band 41: 3 FDD LTE Band 66: 3 FDD LTE Band 71: 3
Maximum conducted power	WCDMA Band II: 23.30dBm WCDMA Band IV: 23.62dBm WCDMA Band V: 23.59dBm LTE Band 2: 22.79dBm LTE Band 4: 22.73dBm LTE Band 5: 21.83dBm LTE Band 7: 22.64dBm	FDD LTE Band 12: 23.10dBm FDD LTE Band 13: 23.28dBm FDD LTE Band 25: 22.78dBm FDD LTE Band 26a: 23.02dBm FDD LTE Band 26b: 22.89dBm FDD LTE Band 41: 22.75dBm FDD LTE Band 66: 23.07dBm FDD LTE Band 71: 23.34dBm

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 H	Competitive Bidding Procedures for the 698-746 MHz Band
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 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) –GSM/WCDMA850 & LTE B5/B26 § 24.232(c) –PCS/WCDMA1900 & LTE B2/B25 § 27.50(c)(10) –LTE B12/B17 § 27.50(d)(4) –WCDMA1700 & LTE B4/B66 27.50(b) (10)-- LTE B13 § 27.50(h)(2) –LTE B7/B38/B41 § 90.635(b) –LTE B26	RF Output Power	Pass
§ 24.232(d) –PCS/WCDMA1900 & LTE B2/B25 § 27.50(d)(5) –WCDMA1700 & LTE B4/B66/B13	Peak-to-Average Power Ratio	Pass
§ 2.1047	Modulation Characteristics	Pass
§ 2.1049	26dB Emission Bandwidth 99% Occupied Bandwidth	Pass
§ 2.1051 § 22.917(a) –GSM/WCDMA850 & LTE B5/B26 § 24.238(a) –PCS/WCDMA1900 & LTE B2/B25	Out of Band Emission at Antenna Terminals	Pass

§ 27.53(g) –LTE B12/B17 § 27.53(h) –LTE B4/B66 § 27.53(m)(4) –LTE B7/B38/B41 § 90.691(a) –LTE B26 27.53(c)-LTE B13		
§ 2.1053 § 22.917(a) –GSM/WCDMA850 & LTE B5/B26 § 24.238(a) –PCS/WCDMA1900 & LTE B2/B25 § 27.53(f), 27.53(c) –LTE B13 § 27.53(g) –LTE B12/B17 § 27.53(h) –LTE B4/B66 § 27.53(m)(4) –LTE B7/B38/B41 § 90.691(a) –LTE B26	Field Strength of Spurious Radiation	Pass
27.53(f)	Undesirable Emissions	
§ 2.1055 § 22.355 –GSM/WCDMA850 & LTE B5/B26 § 24.235 –PCS/WCDMA1900 & LTE B2/B25 § 27.54 –LTE B4/B7/B12/B17/B38/B41/B66/B13 § 90.213 –LTE B26	Frequency Stability	Pass
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

Description	Manufacturer	Model	Serial No.	Length	Description
/	/	/	/	/	/

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
Test Software	Frad	EZ_EMC	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
Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	61997	2024/10/25	2025/10/24
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

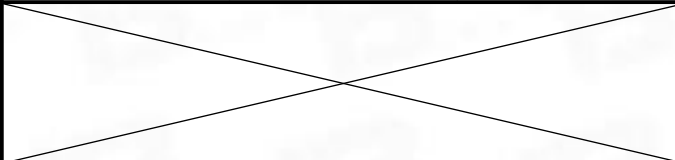
Selected Values During Tests		
Temperature	Relative Humidity	Ambient Pressure
Normal: +15°C to +35°C Extreme: -30°C to +50°C	20% to 75%	86 kPa to 106 kPa

4.2 Test mode

GSM mode:	Keep the EUT communication with simulated station in GSM mode
GPRS mode:	Keep the EUT communication with simulated station in GPRS mode
EGPRS mode:	Keep the EUT communication with simulated station in EGPRS mode
RMC mode:	Keep the EUT communication with simulated station in RMC mode
HSDPA mode:	Keep the EUT communication with simulated station in HSDPA mode
HSUPA mode:	Keep the EUT communication with simulated station in HSUPA 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
Remark: Per-scan all kind of data rate, and report only reflects the test data of worst data rate mode.	

4.3 Test Channel of EUT

Regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

GSM 850			PCS 1900		
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
Lowest	128	824.2	Lowest	512	1850.2
Middle	190	836.6	Middle	661	1880.0
Highest	251	848.8	Highest	810	1909.8
WCDMA 850			WCDMA 1900		
Lowest	4132	826.4	Lowest	9262	1852.4
Middle	4183	836.6	Middle	9400	1880.0
Highest	4233	846.6	Highest	9538	1907.6
WCDMA 1700					
Lowest	1312	1712.4			
Middle	1413	1732.6			
Highest	1513	1752.6			

LTE Band 2					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	18607	1850.7	Lowest	18915	1851.5
Middle	18900	1880.0	Middle	18900	1880.0
Highest	19193	1909.3	Highest	19185	1908.5
5 MHz			10 MHz		
Lowest	18625	1852.5	Lowest	18650	1855.0
Middle	18900	1880.0	Middle	18900	1880.0
Highest	19175	1907.5	Highest	19150	1905.0
15 MHz			20 MHz		
Lowest	18675	1857.5	Lowest	18700	1860.0
Middle	18900	1880.0	Middle	18900	1880.0
Highest	19125	1902.5	Highest	19100	1900.0
LTE Band 4					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	19957	1710.7	Lowest	19965	1711.5
Middle	20175	1732.5	Middle	20175	1732.5
Highest	20393	1754.3	Highest	20385	1753.5
5 MHz			10 MHz		
Lowest	19975	1712.5	Lowest	20000	1715.0
Middle	20175	1732.5	Middle	20175	1732.5
Highest	20375	1752.5	Highest	20350	1750.0
15 MHz			20 MHz		
Lowest	20025	1717.5	Lowest	20050	1720.0
Middle	20175	1732.5	Middle	20175	1732.5
Highest	20325	1747.5	Highest	20300	1745.0
LTE Band 5					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	20407	824.7	Lowest	20415	825.5
Middle	20525	836.5	Middle	20525	836.5
Highest	20643	848.3	Highest	20635	847.5
5 MHz			10 MHz		
Lowest	20425	826.5	Lowest	20450	829.0
Middle	20525	836.5	Middle	20525	836.5
Highest	20625	846.5	Highest	20600	844.0

LTE Band 7					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	20775	2502.5	Lowest	20800	2505.0
Middle	21100	2535.0	Middle	21100	2535.0
Highest	21425	2567.5	Highest	21400	2565.0
15 MHz			20 MHz		
Lowest	20825	2507.5	Lowest	20850	2510.0
Middle	21100	2535.0	Middle	21100	2535.0
Highest	21375	2562.5	Highest	21350	2560.0
LTE Band 12					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	23017	699.70	Lowest	23025	700.50
Middle	23095	707.50	Middle	23095	707.50
Highest	23173	715.30	Highest	23165	714.50
5 MHz			10 MHz		
Lowest	23035	701.50	Lowest	23060	704.00
Middle	23095	707.50	Middle	23095	707.50
Highest	23155	713.50	Highest	23130	711.00
LTE Band 17					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	23755	706.50	Lowest	23780	709.00
Middle	23790	710.00	Middle	23790	710.00
Highest	23825	713.50	Highest	23800	711.00
LTE Band 25					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	26047	1850.70	Lowest	26055	1851.50
Middle	26365	1882.50	Middle	26365	1882.50
Highest	26683	1914.30	Highest	26675	1913.50
5 MHz			10 MHz		
Lowest	26065	1852.50	Lowest	26090	1855.00
Middle	26365	1882.50	Middle	26365	1882.50
Highest	26665	1912.50	Highest	26640	1910.00
15 MHz			20 MHz		
Lowest	26115	1857.50	Lowest	26140	1860.00
Middle	26365	1882.50	Middle	26365	1882.50
Highest	26615	1907.50	Highest	26590	1905.00

LTE Band 26 (for Part 22H)					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	26797	824.7	Lowest	26805	825.5
Middle	26915	836.5	Middle	26915	836.5
Highest	27033	848.3	Highest	27025	847.5
5 MHz			10 MHz		
Lowest	26815	826.5	Lowest	26840	829.0
Middle	26915	836.5	Middle	26915	836.5
Highest	27015	846.5	Highest	26990	844.0
15 MHz					
Lowest	26865	831.5			
Middle	26915	836.5			
Highest	26965	841.5			
LTE Band 26 (for Part 90S)					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	26697	814.7	Lowest	26705	815.5
Middle	26740	819.0	Middle	26740	819.0
Highest	26783	823.3	Highest	26775	822.5
5 MHz			10 MHz		
Lowest	26715	816.5	Lowest	/	/
Middle	26740	819.0	Middle	26740	819.0
Highest	26765	821.5	Highest	/	/
LTE Band 38					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	37775	2572.5	Lowest	37800	2575.0
Middle	38000	2595.0	Middle	38000	2595.0
Highest	38225	2617.5	Highest	38200	2615.0
15 MHz			20 MHz		
Lowest	37825	2577.5	Lowest	37850	2580.0
Middle	38000	2595.0	Middle	38000	2595.0
Highest	38175	2612.5	Highest	38150	2610.0

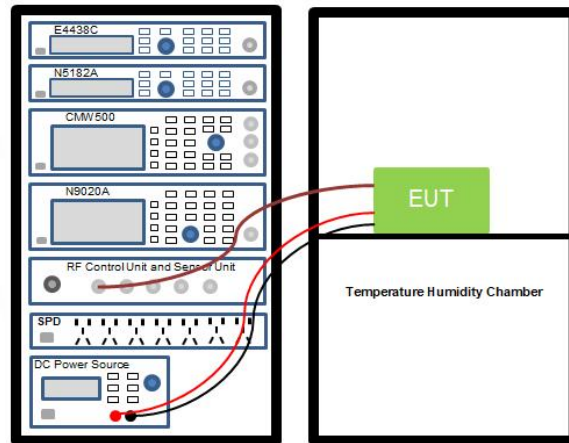
LTE Band 41					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	39675	2498.5	Lowest	39700	2501.0
Middle	40620	2593.0	Middle	40620	2593.0
Highest	41565	2687.5	Highest	41540	2685.0
15 MHz			20 MHz		
Lowest	39725	2503.5	Lowest	39750	2506.0
Middle	40620	2593.0	Middle	40620	2593.0
Highest	41515	2682.5	Highest	41490	2680.0
LTE Band 66					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
1.4 MHz			3 MHz		
Lowest	131979	1710.7	Lowest	131987	1711.5
Middle	132322	1745.0	Middle	132322	1745.0
Highest	132665	1779.3	Highest	132657	1778.5
5 MHz			10 MHz		
Lowest	131997	1712.5	Lowest	132022	1715.0
Middle	132322	1745.0	Middle	132322	1745.0
Highest	132647	1777.5	Highest	132622	1775.0
15 MHz			20 MHz		
Lowest	132047	1717.5	Lowest	132072	1720.0
Middle	132322	1745.0	Middle	132322	1745.0
Highest	132597	1772.5	Highest	132572	1770.0
LTE Band 71					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	133147	665.5	Lowest	133172	668
Middle	133297	680.5	Middle	133297	680.5
Highest	133447	695.5	Highest	133422	693
15 MHz			20 MHz		
Lowest	133197	670.5	Lowest	133222	673
Middle	133297	680.5	Middle	133322	683
Highest	133397	690.5	Highest	133372	688

4.4 Test procedure

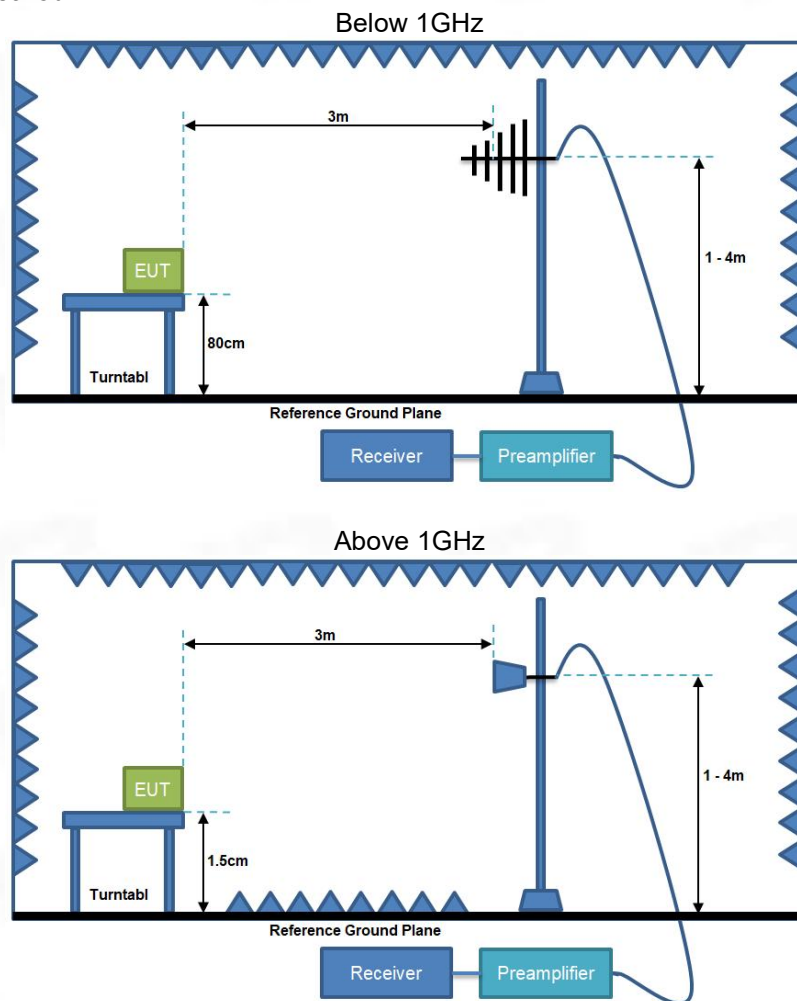
Radiated test method
For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested. The highest signal levels 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 WCDMA/LTE 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.

4.5 Test Setup Block

1) Conducted test method:



2) Radiated test method:



5 Technical requirements specification

5.1 Summary of Test Result

Test Items	Limit	Test data	Verdict
RF Output Power	GSM 850/WCDMA 850/LTE Band 5/26: 7W ERP; PCS 1900/WCDMA 1900/LTE Band 2/7/38/41: 2W EIRP; WCDMA 1700/ LTE Band 4/66: 1W EIRP LTE Band 12/17: 3W ERP; LTE Band 26(for Part 90S): 100W ERP.	See Appendix-GSM/WCDMA/LTE	Pass
Peak-to-Average Power Ratio	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.	See Appendix-GSM/WCDMA/LTE	Pass
Modulation Characteristics	N/A	See Appendix-GSM/WCDMA/LTE	Pass
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A	See Appendix-GSM/WCDMA/LTE	Pass
Out of Band Emission at Antenna Terminals Field Strength of Spurious Radiation	GSM 850/PCS 1900/WCDMA 850/ WCDMA 1700/ WCDMA 1900/LTE Band 2/4/5/12/17/25/26/66: -13dBm; LTE band 7, 38, 41: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.	Conducted: See Appendix-GSM/WCDMA/LTE Radiated: See Section 5.2	Pass
Frequency Stability	GSM 850/WCDMA 850/LTE Band 5/26: 2.5ppm; PCS 1900/ WCDMA 1700/ WCDMA 1900/LTE Band 2/4/7/12/17/25/26/38/41/66: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.	See Appendix-GSM/WCDMA/LTE	Pass

5.2 Field Strength of Spurious Radiation

Note: For all bandwidths of LTE frequency band, modulation types and RB configurations were pretested, and it was found that minimum bandwidths, QPSK modulation and 1RB0 were the worst modes, and only the worst modes were reflected in the report.

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

WCDMA 850						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1652.80	-59.55	1.54	-58.01	-13.00	-45.01	Vertical
1652.80	-60.33	4.25	-56.08	-13.00	-43.08	Horizontal
2479.20	-63.34	10.72	-52.62	-13.00	-39.62	Vertical
2479.20	-67.87	21.00	-46.87	-13.00	-33.87	Horizontal
3305.60	-64.82	16.01	-48.81	-13.00	-35.81	Vertical
3305.60	-59.20	0.27	-58.93	-13.00	-45.93	Horizontal
Middle channel						
1673.20	-65.43	17.74	-47.69	-13.00	-34.69	Vertical
1673.20	-59.73	2.33	-57.40	-13.00	-44.40	Horizontal
2509.80	-56.90	6.77	-50.13	-13.00	-37.13	Vertical
2509.80	-61.02	2.88	-58.14	-13.00	-45.14	Horizontal
3346.40	-60.41	5.32	-55.09	-13.00	-42.09	Vertical
3346.40	-59.58	2.67	-56.91	-13.00	-43.91	Horizontal
Highest channel						
1693.20	-55.00	8.88	-46.12	-13.00	-33.12	Vertical
1693.20	-56.19	7.97	-48.22	-13.00	-35.22	Horizontal
2539.80	-57.80	6.45	-51.35	-13.00	-38.35	Vertical
2539.80	-59.53	4.94	-54.59	-13.00	-41.59	Horizontal
3386.40	-58.49	4.54	-53.95	-13.00	-40.95	Vertical
3386.40	-59.66	3.37	-56.29	-13.00	-43.29	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

WCDMA 1700						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3424.80	-58.08	2.79	-55.29	-13.00	-42.29	Vertical
3424.80	-58.53	1.73	-56.80	-13.00	-43.80	Horizontal
5137.20	-59.37	1.05	-58.32	-13.00	-45.32	Vertical
5137.20	-58.96	0.35	-58.61	-13.00	-45.61	Horizontal
6849.60	-59.08	1.22	-57.86	-13.00	-44.86	Vertical
6849.60	-59.36	1.83	-57.53	-13.00	-44.53	Horizontal
Middle channel						
3465.20	-59.28	2.46	-56.82	-13.00	-43.82	Vertical
3465.20	-59.33	2.90	-56.43	-13.00	-43.43	Horizontal
5197.80	-60.48	3.36	-57.12	-13.00	-44.12	Vertical
5197.80	-60.57	6.14	-54.43	-13.00	-41.43	Horizontal
6930.40	-59.89	8.24	-51.65	-13.00	-38.65	Vertical
6930.40	-60.62	11.97	-48.65	-13.00	-35.65	Horizontal
Highest channel						
3505.20	-62.68	16.22	-46.46	-13.00	-33.46	Vertical
3505.20	-63.19	17.76	-45.43	-13.00	-32.43	Horizontal
5257.80	-63.95	18.73	-45.22	-13.00	-32.22	Vertical
5257.80	-65.93	21.58	-44.35	-13.00	-31.35	Horizontal
7010.40	-70.99	28.14	-42.85	-13.00	-29.85	Vertical
7010.40	-62.30	15.39	-46.91	-13.00	-33.91	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

WCDMA 1900						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3704.80	-55.64	8.90	-46.74	-13.00	-33.74	Vertical
3704.80	-59.71	7.02	-52.69	-13.00	-39.69	Horizontal
5557.20	-60.07	5.49	-54.58	-13.00	-41.58	Vertical
5557.20	-61.78	4.82	-56.96	-13.00	-43.96	Horizontal
7409.60	-59.89	3.31	-56.58	-13.00	-43.58	Vertical
7409.60	-60.78	0.78	-60.00	-13.00	-47.00	Horizontal
Middle channel						
3760.00	-60.90	2.70	-58.20	-13.00	-45.20	Vertical
3760.00	-61.23	3.86	-57.37	-13.00	-44.37	Horizontal
5640.00	-61.27	1.86	-59.41	-13.00	-46.41	Vertical
5640.00	-61.74	1.37	-60.37	-13.00	-47.37	Horizontal
7520.00	-65.65	12.46	-53.19	-13.00	-40.19	Vertical
7520.00	-63.32	2.88	-60.44	-13.00	-47.44	Horizontal
Highest channel						
3815.20	-64.58	9.01	-55.57	-13.00	-42.57	Vertical
3815.20	-63.86	13.65	-50.21	-13.00	-37.21	Horizontal
5722.80	-64.78	17.56	-47.22	-13.00	-34.22	Vertical
5722.80	-67.37	20.68	-46.69	-13.00	-33.69	Horizontal
7630.40	-72.11	22.38	-49.73	-13.00	-36.73	Vertical
7630.40	-65.34	15.42	-49.92	-13.00	-36.92	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 2, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-64.57	18.27	-46.30	-13.00	-33.30	Vertical
3701.40	-62.15	13.00	-49.15	-13.00	-36.15	Horizontal
5552.10	-61.91	15.64	-46.27	-13.00	-33.27	Vertical
5552.10	-65.21	16.12	-49.09	-13.00	-36.09	Horizontal
7402.80	-64.07	17.76	-46.31	-13.00	-33.31	Vertical
7402.80	-71.64	27.22	-44.42	-13.00	-31.42	Horizontal
Middle channel						
3760.00	-56.17	8.21	-47.96	-13.00	-34.96	Vertical
3760.00	-53.79	9.55	-44.24	-13.00	-31.24	Horizontal
5640.00	-53.96	9.86	-44.10	-13.00	-31.10	Vertical
5640.00	-55.10	9.00	-46.10	-13.00	-33.10	Horizontal
7520.00	-56.90	7.42	-49.48	-13.00	-36.48	Vertical
7520.00	-60.08	4.58	-55.50	-13.00	-42.50	Horizontal
Highest channel						
3818.60	-58.91	6.29	-52.62	-13.00	-39.62	Vertical
3818.60	-58.68	5.49	-53.19	-13.00	-40.19	Horizontal
5727.90	-59.38	5.12	-54.26	-13.00	-41.26	Vertical
5727.90	-59.57	2.60	-56.97	-13.00	-43.97	Horizontal
7637.20	-60.51	3.27	-57.24	-13.00	-44.24	Vertical
7637.20	-59.54	3.85	-55.69	-13.00	-42.69	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 4, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3421.40	-56.89	1.58	-55.31	-13.00	-42.31	Vertical
3421.40	-56.86	1.81	-55.05	-13.00	-42.05	Horizontal
5132.10	-57.30	1.18	-56.12	-13.00	-43.12	Vertical
5132.10	-56.51	2.08	-54.43	-13.00	-41.43	Horizontal
6842.80	-56.47	0.16	-56.31	-13.00	-43.31	Vertical
6842.80	-58.82	2.87	-55.95	-13.00	-42.95	Horizontal
Middle channel						
3465.00	-57.66	2.14	-55.52	-13.00	-42.52	Vertical
3465.00	-60.24	7.23	-53.01	-13.00	-40.01	Horizontal
5197.50	-57.58	4.89	-52.69	-13.00	-39.69	Vertical
5197.50	-57.43	3.33	-54.10	-13.00	-41.10	Horizontal
6930.00	-60.40	2.91	-57.49	-13.00	-44.49	Vertical
6930.00	-59.54	8.38	-51.16	-13.00	-38.16	Horizontal
Highest channel						
3508.60	-60.46	8.29	-52.17	-13.00	-39.17	Vertical
3508.60	-61.25	12.28	-48.97	-13.00	-35.97	Horizontal
5262.90	-60.20	9.95	-50.25	-13.00	-37.25	Vertical
5262.90	-60.65	16.06	-44.59	-13.00	-31.59	Horizontal
7017.20	-64.30	17.82	-46.48	-13.00	-33.48	Vertical
7017.20	-60.90	16.27	-44.63	-13.00	-31.63	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 5, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-52.98	9.48	-43.50	-13.00	-30.50	Vertical
1649.40	-54.43	8.57	-45.86	-13.00	-32.86	Horizontal
2474.10	-55.49	6.87	-48.62	-13.00	-35.62	Vertical
2474.10	-57.96	3.15	-54.81	-13.00	-41.81	Horizontal
3298.80	-53.36	7.83	-45.53	-13.00	-32.53	Vertical
3298.80	-52.33	9.21	-43.12	-13.00	-30.12	Horizontal
Middle channel						
1673.00	-54.83	6.06	-48.77	-13.00	-35.77	Vertical
1673.00	-57.93	4.75	-53.18	-13.00	-40.18	Horizontal
2509.50	-56.27	5.33	-50.94	-13.00	-37.94	Vertical
2509.50	-56.69	3.71	-52.98	-13.00	-39.98	Horizontal
3346.00	-58.04	2.67	-55.37	-13.00	-42.37	Vertical
3346.00	-58.39	2.14	-56.25	-13.00	-43.25	Horizontal
Highest channel						
1696.60	-58.73	1.59	-57.14	-13.00	-44.14	Vertical
1696.60	-61.40	8.02	-53.38	-13.00	-40.38	Horizontal
2544.90	-59.33	4.92	-54.41	-13.00	-41.41	Vertical
2544.90	-63.74	2.89	-60.85	-13.00	-47.85	Horizontal
3393.20	-59.85	15.00	-44.85	-13.00	-31.85	Vertical
3393.20	-60.08	10.04	-50.04	-13.00	-37.04	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 7, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
5005.00	-52.30	9.74	-42.56	-25.00	-17.56	Vertical
5005.00	-52.50	9.43	-43.07	-25.00	-18.07	Horizontal
7507.50	-55.86	7.13	-48.73	-25.00	-23.73	Vertical
7507.50	-58.13	4.00	-54.13	-25.00	-29.13	Horizontal
10010.00	-57.59	5.25	-52.34	-25.00	-27.34	Vertical
10010.00	-57.30	1.82	-55.48	-25.00	-30.48	Horizontal
Middle channel						
5070.00	-58.65	3.43	-55.22	-25.00	-30.22	Vertical
5070.00	-61.21	11.63	-49.58	-25.00	-24.58	Horizontal
7605.00	-64.25	18.53	-45.72	-25.00	-20.72	Vertical
7605.00	-61.23	13.14	-48.09	-25.00	-23.09	Horizontal
10140.00	-60.35	15.32	-45.03	-25.00	-20.03	Vertical
10140.00	-63.91	16.94	-46.97	-25.00	-21.97	Horizontal
Highest channel						
5135.00	-61.31	8.27	-53.04	-25.00	-28.04	Vertical
5135.00	-61.34	10.41	-50.93	-25.00	-25.93	Horizontal
7702.50	-57.75	0.45	-57.30	-25.00	-32.30	Vertical
7702.50	-58.54	1.83	-56.71	-25.00	-31.71	Horizontal
10270.00	-68.29	22.64	-45.65	-25.00	-20.65	Vertical
10270.00	-62.14	21.19	-40.95	-25.00	-15.95	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 12, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1399.40	-51.99	9.32	-42.67	-13.00	-29.67	Vertical
1399.40	-54.40	7.88	-46.52	-13.00	-33.52	Horizontal
2099.10	-58.54	3.80	-54.74	-13.00	-41.74	Vertical
2099.10	-58.58	1.09	-57.49	-13.00	-44.49	Horizontal
2798.80	-57.16	5.99	-51.17	-13.00	-38.17	Vertical
2798.80	-57.84	2.90	-54.94	-13.00	-41.94	Horizontal
Middle channel						
1415.00	-58.17	1.49	-56.68	-13.00	-43.68	Vertical
1415.00	-58.44	1.53	-56.91	-13.00	-43.91	Horizontal
2122.50	-60.04	9.43	-50.61	-13.00	-37.61	Vertical
2122.50	-60.76	6.89	-53.87	-13.00	-40.87	Horizontal
2830.00	-60.36	8.28	-52.08	-13.00	-39.08	Vertical
2830.00	-60.90	15.14	-45.76	-13.00	-32.76	Horizontal
Highest channel						
1430.60	-62.67	17.25	-45.42	-13.00	-32.42	Vertical
1430.60	-61.23	13.14	-48.09	-13.00	-35.09	Horizontal
2145.90	-61.97	15.94	-46.03	-13.00	-33.03	Vertical
2145.90	-66.87	21.83	-45.04	-13.00	-32.04	Horizontal
2861.20	-63.55	18.79	-44.76	-13.00	-31.76	Vertical
2861.20	-60.33	11.00	-49.33	-13.00	-36.33	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 13, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1559.00	-61.20	11.15	-50.05	-40.00	-10.05	Vertical
2338.50	-61.67	8.29	-53.38	-13.00	-40.38	Horizontal
3118.00	-60.31	4.37	-55.94	-13.00	-42.94	Vertical
1559.00	-60.35	15.32	-45.03	-40.00	-5.03	Horizontal
2338.50	-62.32	18.30	-44.02	-13.00	-31.02	Vertical
3118.00	-68.66	22.22	-46.44	-13.00	-33.44	Horizontal
Middle channel						
1564.00	-62.03	16.36	-45.67	-40.00	-5.67	Vertical
2346.00	-61.34	10.41	-50.93	-13.00	-37.93	Horizontal
3128.00	-61.40	9.63	-51.77	-13.00	-38.77	Vertical
1564.00	-61.32	14.70	-46.62	-40.00	-6.62	Horizontal
2346.00	-62.30	15.46	-46.84	-13.00	-33.84	Vertical
3128.00	-60.16	6.20	-53.96	-13.00	-40.96	Horizontal
Highest channel						
1569.00	-58.96	2.72	-56.24	-40.00	-16.24	Vertical
2353.50	-57.46	0.44	-57.02	-13.00	-44.02	Horizontal
3138.00	-58.49	2.25	-56.24	-13.00	-43.24	Vertical
1569.00	-58.40	1.15	-57.25	-40.00	-17.25	Horizontal
2353.50	-60.28	2.91	-57.37	-13.00	-44.37	Vertical
3138.00	-64.10	17.71	-46.39	-13.00	-33.39	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 25, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-61.81	12.58	-49.23	-13.00	-36.23	Vertical
3701.40	-62.49	9.58	-52.91	-13.00	-39.91	Horizontal
5552.10	-61.45	7.23	-54.22	-13.00	-41.22	Vertical
5552.10	-58.92	2.27	-56.65	-13.00	-43.65	Horizontal
7402.80	-57.31	5.29	-52.02	-13.00	-39.02	Vertical
7402.80	-57.36	2.65	-54.71	-13.00	-41.71	Horizontal
Middle channel						
3765.00	-58.14	1.90	-56.24	-13.00	-43.24	Vertical
3765.00	-60.50	8.22	-52.28	-13.00	-39.28	Horizontal
5647.50	-58.54	3.80	-54.74	-13.00	-41.74	Vertical
5647.50	-56.47	6.71	-49.76	-13.00	-36.76	Horizontal
7530.00	-56.95	4.54	-52.41	-13.00	-39.41	Vertical
7530.00	-57.81	2.92	-54.89	-13.00	-41.89	Horizontal
Highest channel						
3828.60	-57.90	5.80	-52.10	-13.00	-39.10	Vertical
3828.60	-59.86	2.88	-56.98	-13.00	-43.98	Horizontal
5742.90	-64.10	17.71	-46.39	-13.00	-33.39	Vertical
5742.90	-61.94	16.14	-45.80	-13.00	-32.80	Horizontal
7657.20	-62.11	16.27	-45.84	-13.00	-32.84	Vertical
7657.20	-66.92	22.25	-44.67	-13.00	-31.67	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 26(for Part 22H), 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-58.19	2.44	-55.75	-13.00	-42.75	Vertical
1649.40	-58.31	3.92	-54.39	-13.00	-41.39	Horizontal
2474.10	-58.01	1.54	-56.47	-13.00	-43.47	Vertical
2474.10	-58.14	3.38	-54.76	-13.00	-41.76	Horizontal
3298.80	-61.34	2.91	-58.43	-13.00	-45.43	Vertical
3298.80	-58.23	1.81	-56.42	-13.00	-43.42	Horizontal
Middle channel						
1673.00	-60.03	2.87	-57.16	-13.00	-44.16	Vertical
1673.00	-57.20	0.39	-56.81	-13.00	-43.81	Horizontal
2509.50	-60.68	7.59	-53.09	-13.00	-40.09	Vertical
2509.50	-61.16	11.30	-49.86	-13.00	-36.86	Horizontal
3346.00	-59.56	4.68	-54.88	-13.00	-41.88	Vertical
3346.00	-59.56	6.03	-53.53	-13.00	-40.53	Horizontal
Highest channel						
1696.60	-59.18	3.51	-55.67	-13.00	-42.67	Vertical
1696.60	-62.01	8.92	-53.09	-13.00	-40.09	Horizontal
2544.90	-60.85	8.23	-52.62	-13.00	-39.62	Vertical
2544.90	-61.91	8.30	-53.61	-13.00	-40.61	Horizontal
3393.20	-61.62	15.32	-46.30	-13.00	-33.30	Vertical
3393.20	-61.32	14.70	-46.62	-13.00	-33.62	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 26(for Part 90S), 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1629.40	-59.80	11.97	-47.83	-13.00	-34.83	Vertical
1629.40	-62.14	8.28	-53.86	-13.00	-40.86	Horizontal
2444.10	-60.41	9.29	-51.12	-13.00	-38.12	Vertical
2444.10	-56.75	0.85	-55.90	-13.00	-42.90	Horizontal
3258.80	-59.43	2.91	-56.52	-13.00	-43.52	Vertical
3258.80	-58.88	0.96	-57.92	-13.00	-44.92	Horizontal
Middle channel						
1638.00	-59.27	2.38	-56.89	-13.00	-43.89	Vertical
1638.00	-58.55	1.63	-56.92	-13.00	-43.92	Horizontal
2457.00	-63.13	18.73	-44.40	-13.00	-31.40	Vertical
2457.00	-63.56	27.61	-35.95	-13.00	-22.95	Horizontal
3276.00	-70.77	24.98	-45.79	-13.00	-32.79	Vertical
3276.00	-64.37	17.04	-47.33	-13.00	-34.33	Horizontal
Highest channel						
1646.60	-63.69	15.39	-48.30	-13.00	-35.30	Vertical
1646.60	-63.28	16.01	-47.27	-13.00	-34.27	Horizontal
2469.90	-64.13	18.42	-45.71	-13.00	-32.71	Vertical
2469.90	-68.88	22.72	-46.16	-13.00	-33.16	Horizontal
3293.20	-65.11	21.58	-43.53	-13.00	-30.53	Vertical
3293.20	-69.30	21.58	-47.72	-13.00	-34.72	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 41, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
4997.00	-58.14	1.90	-56.24	-25.00	-31.24	Vertical
4997.00	-57.66	0.27	-57.39	-25.00	-32.39	Horizontal
7495.50	-59.45	2.89	-56.56	-25.00	-31.56	Vertical
7495.50	-59.66	3.36	-56.30	-25.00	-31.30	Horizontal
9994.00	-61.77	8.94	-52.83	-25.00	-27.83	Vertical
9994.00	-63.12	16.32	-46.80	-25.00	-21.80	Horizontal
Middle channel						
5186.00	-67.86	28.55	-39.31	-25.00	-14.31	Vertical
5186.00	-68.66	22.22	-46.44	-25.00	-21.44	Horizontal
7779.00	-65.02	21.10	-43.92	-25.00	-18.92	Vertical
7779.00	-64.95	17.97	-46.98	-25.00	-21.98	Horizontal
10372.00	-62.30	15.46	-46.84	-25.00	-21.84	Vertical
10372.00	-61.86	16.06	-45.80	-25.00	-20.80	Horizontal
Highest channel						
5375.00	-60.85	12.53	-48.32	-25.00	-23.32	Vertical
5375.00	-60.87	10.51	-50.36	-25.00	-25.36	Horizontal
8062.50	-61.91	8.30	-53.61	-25.00	-28.61	Vertical
8062.50	-61.40	6.70	-54.70	-25.00	-29.70	Horizontal
10750.00	-59.24	5.42	-53.82	-25.00	-28.82	Vertical
10750.00	-58.54	1.83	-56.71	-25.00	-31.71	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 66, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3421.40	-56.31	5.54	-50.77	-13.00	-37.77	Vertical
3421.40	-57.72	2.08	-55.64	-13.00	-42.64	Horizontal
5132.10	-59.00	8.22	-50.78	-13.00	-37.78	Vertical
5132.10	-64.44	17.87	-46.57	-13.00	-33.57	Horizontal
6842.80	-66.92	22.25	-44.67	-13.00	-31.67	Vertical
6842.80	-62.35	16.30	-46.05	-13.00	-33.05	Horizontal
Middle channel						
3490.00	-56.31	5.54	-50.77	-13.00	-37.77	Vertical
3490.00	-57.72	2.08	-55.64	-13.00	-42.64	Horizontal
5235.00	-59.00	8.22	-50.78	-13.00	-37.78	Vertical
5235.00	-64.44	17.87	-46.57	-13.00	-33.57	Horizontal
6980.00	-66.92	22.25	-44.67	-13.00	-31.67	Vertical
6980.00	-62.35	16.30	-46.05	-13.00	-33.05	Horizontal
Highest channel						
3558.60	-59.96	6.62	-53.34	-13.00	-40.34	Vertical
3558.60	-61.31	12.83	-48.48	-13.00	-35.48	Horizontal
5337.90	-59.80	11.97	-47.83	-13.00	-34.83	Vertical
5337.90	-72.78	24.13	-48.65	-13.00	-35.65	Horizontal
7117.20	-67.18	20.89	-46.29	-13.00	-33.29	Vertical
7117.20	-60.76	15.34	-45.42	-13.00	-32.42	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE Band 71, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.00	-60.52	10.70	-49.82	-13.00	-36.82	Vertical
5160.00	-62.17	8.15	-54.02	-13.00	-41.02	Horizontal
6880.00	-60.84	9.17	-51.67	-13.00	-38.67	Vertical
3440.00	-61.49	15.90	-45.59	-13.00	-32.59	Horizontal
5160.00	-64.23	17.84	-46.39	-13.00	-33.39	Vertical
6880.00	-68.29	22.64	-45.65	-13.00	-32.65	Horizontal
Middle channel						
3490.00	-61.77	15.77	-46.00	-13.00	-33.00	Vertical
5235.00	-60.90	13.18	-47.72	-13.00	-34.72	Horizontal
6980.00	-59.64	2.92	-56.72	-13.00	-43.72	Vertical
3490.00	-58.87	5.32	-53.55	-13.00	-40.55	Horizontal
5235.00	-60.76	6.89	-53.87	-13.00	-40.87	Vertical
6980.00	-59.27	2.38	-56.89	-13.00	-43.89	Horizontal
Highest channel						
3558.60	-58.02	0.50	-57.52	-13.00	-44.52	Vertical
5337.90	-60.25	2.89	-57.36	-13.00	-44.36	Horizontal
7117.20	-58.30	1.29	-57.01	-13.00	-44.01	Vertical
3558.60	-63.21	21.24	-41.97	-13.00	-28.97	Horizontal
5337.90	-63.47	20.01	-43.46	-13.00	-30.46	Vertical
7117.20	-60.30	15.29	-45.01	-13.00	-32.01	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



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