

RF Test Report

For

Applicant name: Flaircomm Microelectronics, Inc.
Address: 7F, Guomai Building, Guomai Science and Technology Park, 116 JiangBin East Avenue, Mawei District, Fuzhou, Fujian, China
EUT name: Telematics Control Unit
Brand name: N/A
Model Name: FLC-WNP296
Series model number: Refer to section 2
FCC ID: 2BBDNWNP296

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Report number: BTF260312R01101
Test standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part22
FCC CFR Title 47 Part24
FCC CFR Title 47 Part27
Test conclusion: Pass
Date of sample receipt: 2026-03-13
Test date: 2026-03-13 to 2026-03-25
Date of issue: 2026-04-01
Test by: Sean.He
Sean.He / Tester

Prepared by: Chris.Liu
Chris.Liu / Project engineer

Approved by:  Ryan.C.J. / 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	2026-04-01	Original
Note: <i>This report has been modified based on TCT250227E007 and TCT250227E035.(FCC ID: 2BBDNWNP296. Published on March 13, 2025.) Only the motherboard has been added with a battery charging and discharging circuit, added relevant radiation tests.</i>		

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1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, 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:	Flaircomm Microelectronics, Inc.
Address:	7F, Guomai Building, Guomai Science and Technology Park, 116 JiangBin East Avenue, Mawei District, Fuzhou, Fujian, China

2.2 Manufacturer Information

Company name:	Flaircomm Microelectronics, Inc.
Address:	7F, Guomai Building, Guomai Science and Technology Park, 116 JiangBin East Avenue, Mawei District, Fuzhou, Fujian, China

2.3 Factory Information

Company name:	Flaircomm Microelectronics, Inc.
Address:	7F, Guomai Building, Guomai Science and Technology Park, 116 JiangBin East Avenue, Mawei District, Fuzhou, Fujian, China

2.4 General Description of Equipment under Test (EUT)

EUT name	Telematics Control Unit
Under test model name	FLC-WNP296
Series model name:	FLC-WNP296X, FLC-STU296X
Description of model name differentiation:	They have the same circuit diagram, appearance and structure. The difference for model.
Hardware Version	N/A
Software Version	N/A
Ratings:	DC 9V-16V

2.5 Technical Information

Operation frequency:	GSM/GPRS/EGPRS 850: 824.2 MHz ~ 848.8 MHz GSM/GPRS/EGPRS 1900: 1850.2 MHz ~ 1909.8 MHz WCDMA/HSDPA/HSUPA Band 2: 1852.4MHz ~ 1907.6MHz 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 MHz ~ 1910 MHz FDD LTE Band 4: 1710 MHz ~ 1755 MHz FDD LTE Band 5: 824 MHz ~ 849 MHz FDD LTE Band 7: 2500 MHz ~ 2570 MHz TDD LTE Band 41: 2555 MHz ~ 2655 MHz	
Modulation Type:	GSM/GPRS	GMSK
	EGPRS	8PSK
	WCDMA	QPSK
	HSDPA/HSUPA	QPSK
		16QAM

	LTE	QPSK
		16QAM
Antenna type:	FPC Antenna and External Antenna (Optional) Note: The two antennas are transmitted from the same port and only one works at the same time.	
Antenna gain:	GSM 850:-4.11 dBi PCS 1900: -1.80 dBi WCDMA Band 2: -4.11 dBi WCDMA Band 4: -2.29 dBi WCDMA Band 5: -1.80 dBi FDD LTE Band 2: -1.80 dBi FDD LTE Band 4: -2.29 dBi FDD LTE Band 5: -4.11 dBi FDD LTE Band 7: -2.88 dBi TDD LTE Band 41:-1.87 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 TDD LTE Band 41:3	
Maximum E.I.P.P power	GSM850: 33.30dBm GSM1900: 29.41dBm WCDMA Band II: 24.23dBm WCDMA Band IV: 23.11dBm WCDMA Band V: 23.06dBm FDD LTE Band 2: 20.33dBm FDD LTE Band 4: 20.08dBm FDD LTE Band 5: 16.66dBm FDD LTE Band 7: 18.82dBm TDD LTE Band 41:20.08dBm	

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
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
KDB 971168 D01 Power Meas License Digital Systems v03r01	MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

3.2 Summary of Test

Clauses	Test Items	Result
§ 2.1046 § 22.913(a)(5) –GSM/WCDMA850 & LTE B5 § 24.232(c) –PCS/WCDMA1900 & LTE B2 § 27.50(c)(10) § 27.50(d)(4) –WCDMA1700 & LTE B4 § 27.50(h)(2) –LTE B7/B41 § 90.635(b) 27.50(b) (10)	RF Output Power	Pass
§ 24.232(d) –PCS/WCDMA1900 & LTE B2 § 27.50(d)(5) –WCDMA1700 & LTE B4/	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 § 24.238(a) –PCS/WCDMA1900 & LTE B2 § 27.53(g) § 27.53(h) –LTE B4 § 27.53(m)(4) –LTE B7/B41 § 90.691(a) 27.53(c)	Out of Band Emission at Antenna Terminals	Pass
§ 2.1053	Field Strength of Spurious Radiation	Pass

§ 22.917(a) –GSM/WCDMA850 & LTE B5 § 24.238(a) –PCS/WCDMA1900 & LTE B2 § 27.53(g) § 27.53(h) –LTE B4 § 27.53(m)(4) –LTE B7/B41 § 90.691(a) § 27.53(f), 27.53(c)		
§ 2.1055 § 22.355 –GSM/WCDMA850 & LTE B5 § 24.235 –PCS/WCDMA1900 & LTE B2 § 27.54 –LTE B4/B7/B41 § 90.213 27.53(f)	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 Emission Test					
Test Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EMI Receiver	Rohde & Schwarz	ESCI7	101032	2025/10/17	2026/10/16
Signal Analyzer	Rohde & Schwarz	FSQ40	100010	2025/10/17	2026/10/16
Log periodic antenna	Schwarzbeck	VULB 9168	01328	2025/10/18	2026/10/17
Preamplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9744	00246	2025/5/26	2026/5/25
BELOW-Cable	REBES Talent	9K1G	21101576	2025/8/23	2026/8/22
Horn Antenna	Schwarzbeck	BBHA9120D	2597	2025/10/18	2026/10/17
Preamplifier (1GHz ~ 18GHz)	Schwarzbeck	BBV9718D	00008	2025/5/26	2026/5/25
Preamplifier	TSTPASS	LNA10180G45	TS2215007	2025/5/26	2026/5/25
ABOVE-Cable	REBES Talent	1~18G	21101558	2025/8/23	2026/8/22

Horn Antenna	SCHWARZBECK	BBHA9170	1157	2025/10/18	2026/10/17
Low Noise Pre-amplifier	Sket	LNPA_1840G-50	SK2022032902	2025/10/17	2026/10/16
ABOVE-Cable2	REBES Talent	18~40G	21101686	2025/8/23	2026/8/22
ABOVE-Cable1	REBES Talent	18~40G	21101687	2025/8/23	2026/8/22
Test Software	Frad	EZ EMC	Version: FA-03A2 RE+		

4 Test Configuration

4.1 Environment Condition

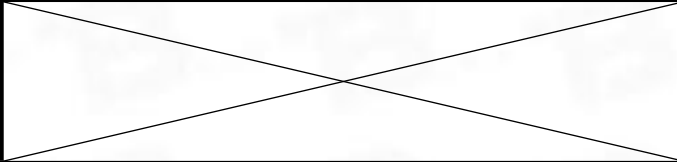
Selected Values During Tests		
Temperature	Relative Humidity	Ambient Pressure
Normal: +15°C to +35°C Extreme: -30°C to +50°C	20% to 75%	86 kPa to 106 kPa

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
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

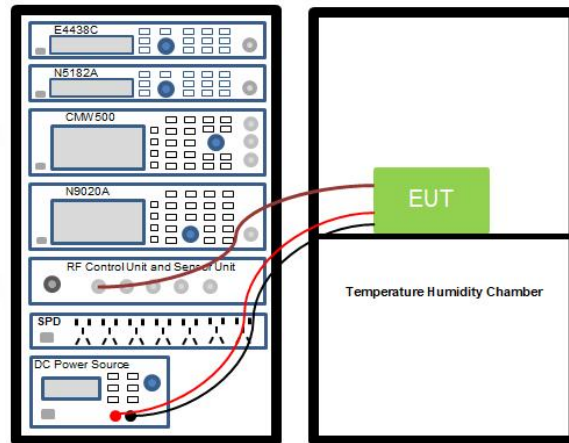
LTE Band 7					
Channels	Channel No.	Frequency (MHz)	Channels	Channel No.	Frequency (MHz)
5 MHz			10 MHz		
Lowest	20775	2502.5	Lowest	20800	2505.0
Middle	21100	2535.0	Middle	21100	2535.0
Highest	21425	2567.5	Highest	21400	2565.0
15 MHz			20 MHz		
Lowest	20825	2507.5	Lowest	20850	2510.0
Middle	21100	2535.0	Middle	21100	2535.0
Highest	21375	2562.5	Highest	21350	2560.0
LTE Band 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

4.4 Test procedure

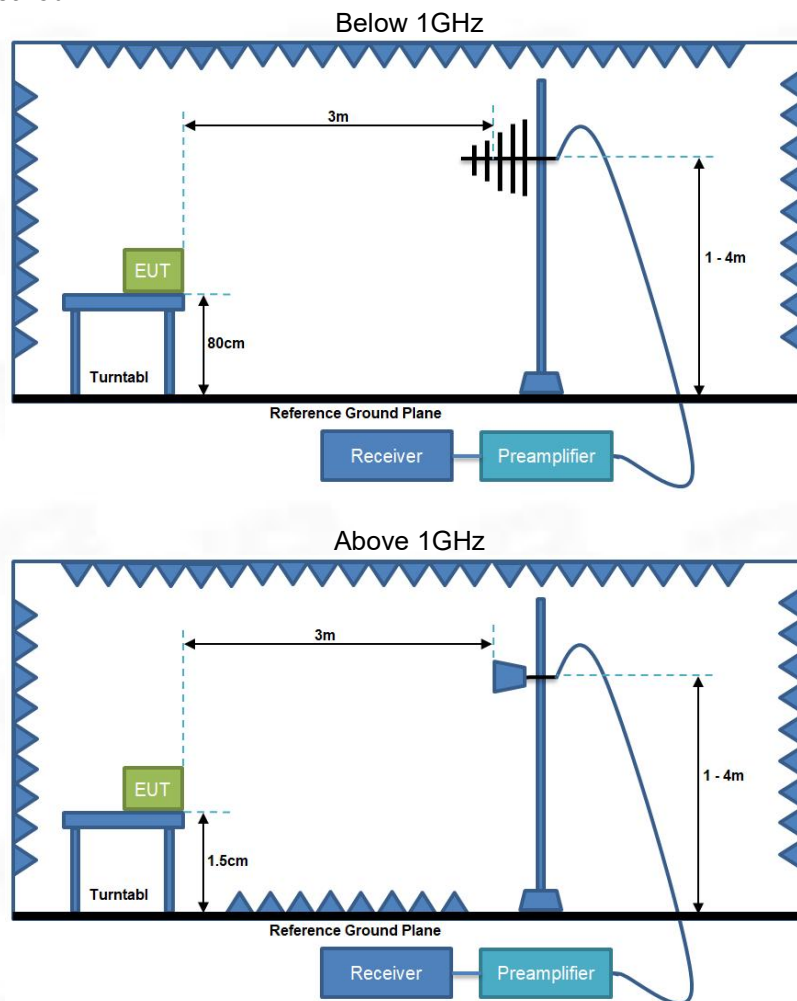
Radiated test method
For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested. The highest signal levels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

5.1.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691 & 90.543 ; RSS-130 4.7, RSS-132 5.5, RSS-133 6.5, RSS-139 6.6, RSS199 4.5

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4), RSS-139 6.6

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than 55 +

$10 \log(P)$ dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292MHz, and $70 + 10 \log(P)$ dB below 2288MHz.

(3) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365MHz, and not less than $70 + 10 \log(P)$ dB above 2365MHz.

FCC § 27.53(c), RSS-139 6.6

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a

6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a

6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of

measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f), RSS-139 6.6

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to - 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and

-80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g), RSS-139 6.6

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1), RSS-139 6.6

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz,

the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power

(P) in watts by at least $43 + 10 \log_{10}(P)$ dB. FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55+10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 $\text{Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.
- (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\text{Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.
- (b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

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- (e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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- (a) for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$.
- (b) for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:
- (i) $40 + 10 \log_{10} p$ from the channel edges to 5 MHz away
 - (ii) $43 + 10 \log_{10} p$ between 5 MHz and X MHz from the channel edges, and
 - (iii) $55 + 10 \log_{10} p$ at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than $43 + 10 \log_{10} p$ on all frequencies between 2490.5 MHz and 2496 MHz, and $55 + 10 \log_{10} p$ at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

5.1.2 Test Setup

The section 4.5 test setup 4 description is used for conducted test, and the test setup description is used for radiated test. The photo of test setup please refer to Appendix I Test Setup Photos

5.1.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the transmitter under test.
6. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.
7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.
9. The maximum signal level detected by the measuring receiver shall be noted.
10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.
11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
14. The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Final measurement calculation as below:

The relevant equation for determining the ERP/EIRP from the radiated RF output power is: $ERP/EIRP \text{ (dBm)} = SA \text{ Read Value (dBm)} + \text{Correction Factor (dB)}$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$ERP \text{ (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

5.1.4 Test Result

Note1: It was found that the emission value below 1GHz and above 18GHz was below the limit of 20dB, so it was recorded in the report.

Note2: 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	9-16V	Test Engineer	Sean He

GSM 850						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1648.40	-17.53	-38.08	-55.61	-13.00	-42.61	Horizontal
2472.60	-12.49	-37.16	-49.65	-13.00	-36.65	Horizontal
3296.80	-19.41	-37.03	-56.44	-13.00	-43.44	Horizontal
1648.40	-18.16	-38.08	-56.24	-13.00	-43.24	Vertical
2472.60	-13.49	-37.16	-50.65	-13.00	-37.65	Vertical
3296.80	-20.17	-37.03	-57.20	-13.00	-44.20	Vertical
Middle channel						
1673.20	-18.39	-37.97	-56.36	-13.00	-43.36	Horizontal
2509.80	-13.35	-37.05	-50.40	-13.00	-37.40	Horizontal
3346.40	-20.27	-36.92	-57.19	-13.00	-44.19	Horizontal
1673.20	-17.74	-37.97	-55.71	-13.00	-42.71	Vertical
2509.80	-13.07	-37.05	-50.12	-13.00	-37.12	Vertical
3346.40	-19.75	-36.92	-56.67	-13.00	-43.67	Vertical
Highest channel						
1697.60	-19.04	-37.86	-56.90	-13.00	-43.90	Horizontal
2546.40	-14.00	-36.94	-50.94	-13.00	-37.94	Horizontal
3395.20	-20.92	-36.81	-57.73	-13.00	-44.73	Horizontal
1697.60	-17.06	-37.86	-54.92	-13.00	-41.92	Vertical
2546.40	-12.39	-36.94	-49.33	-13.00	-36.33	Vertical
3395.20	-19.07	-36.81	-55.88	-13.00	-42.88	Vertical
Remark: - The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. - Margin=Level-Limit=Reading Level+Factor-Limit						

PCS 1900						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3700.40	-26.78	-37.12	-63.90	-13.00	-50.90	Horizontal
5550.60	-13.69	-34.19	-47.88	-13.00	-34.88	Horizontal
7400.80	-9.73	-36.24	-45.97	-13.00	-32.97	Horizontal
3700.40	-27.41	-37.12	-64.53	-13.00	-51.53	Vertical
5550.60	-14.69	-34.19	-48.88	-13.00	-35.88	Vertical
7400.80	-10.49	-36.24	-46.73	-13.00	-33.73	Vertical
Middle channel						
3760.00	-27.64	-37.01	-64.65	-13.00	-51.65	Horizontal
5640.00	-14.55	-34.08	-48.63	-13.00	-35.63	Horizontal
7520.00	-10.59	-36.13	-46.72	-13.00	-33.72	Horizontal
3760.00	-26.99	-37.01	-64.00	-13.00	-51.00	Vertical
5640.00	-14.27	-34.08	-48.35	-13.00	-35.35	Vertical
7520.00	-10.07	-36.13	-46.20	-13.00	-33.20	Vertical
Highest channel						
3819.60	-28.29	-36.90	-65.19	-13.00	-52.19	Horizontal
5729.40	-15.20	-33.97	-49.17	-13.00	-36.17	Horizontal
7639.20	-11.24	-36.02	-47.26	-13.00	-34.26	Horizontal
3819.60	-26.31	-36.90	-63.21	-13.00	-50.21	Vertical
5729.40	-13.59	-33.97	-47.56	-13.00	-34.56	Vertical
7639.20	-9.39	-36.02	-45.41	-13.00	-32.41	Vertical
Remark: - The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. - Margin=Level-Limit=Reading Level+Factor-Limit						

WCDMA 850						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1652.80	-10.22	-37.30	-47.52	-13.00	-34.52	Horizontal
2479.20	-8.49	-35.01	-43.50	-13.00	-30.50	Horizontal
3305.60	-8.48	-36.13	-44.61	-13.00	-31.61	Horizontal
1652.80	-8.85	-37.30	-46.15	-13.00	-33.15	Vertical
2479.20	-9.49	-35.01	-44.50	-13.00	-31.50	Vertical
3305.60	-9.24	-36.13	-45.37	-13.00	-32.37	Vertical
Middle channel						
1673.20	-9.08	-37.19	-46.27	-13.00	-33.27	Horizontal
2509.80	-9.35	-34.90	-44.25	-13.00	-31.25	Horizontal
3346.40	-9.34	-36.02	-45.36	-13.00	-32.36	Horizontal
1673.20	-10.43	-37.19	-47.62	-13.00	-34.62	Vertical
2509.80	-9.07	-34.90	-43.97	-13.00	-30.97	Vertical
3346.40	-8.82	-36.02	-44.84	-13.00	-31.84	Vertical
Highest channel						
1693.20	-8.73	-37.08	-45.81	-13.00	-32.81	Horizontal
2539.80	-10.00	-34.79	-44.79	-13.00	-31.79	Horizontal
3386.40	-9.99	-35.91	-45.90	-13.00	-32.90	Horizontal
1693.20	-9.75	-37.08	-46.83	-13.00	-33.83	Vertical
2539.80	-8.39	-34.79	-43.18	-13.00	-30.18	Vertical
3386.40	-8.14	-35.91	-44.05	-13.00	-31.05	Vertical
Remark: - The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. - Margin=Level-Limit=Reading Level+Factor-Limit						

WCDMA 1700						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3424.80	-16.70	-37.30	-54.00	-13.00	-41.00	Horizontal
5137.20	-11.61	-35.01	-46.62	-13.00	-33.62	Horizontal
6849.60	-7.75	-36.13	-43.88	-13.00	-30.88	Horizontal
3424.80	-17.33	-37.30	-54.63	-13.00	-41.63	Vertical
5137.20	-12.61	-35.01	-47.62	-13.00	-34.62	Vertical
6849.60	-8.51	-36.13	-44.64	-13.00	-31.64	Vertical
Middle channel						
3465.20	-17.56	-37.19	-54.75	-13.00	-41.75	Horizontal
5197.80	-12.47	-34.90	-47.37	-13.00	-34.37	Horizontal
6930.40	-8.61	-36.02	-44.63	-13.00	-31.63	Horizontal
3465.20	-16.91	-37.19	-54.10	-13.00	-41.10	Vertical
5197.80	-12.19	-34.90	-47.09	-13.00	-34.09	Vertical
6930.40	-8.09	-36.02	-44.11	-13.00	-31.11	Vertical
Highest channel						
3505.20	-18.21	-37.08	-55.29	-13.00	-42.29	Horizontal
5257.80	-13.12	-34.79	-47.91	-13.00	-34.91	Horizontal
7010.40	-9.26	-35.91	-45.17	-13.00	-32.17	Horizontal
3505.20	-16.23	-37.08	-53.31	-13.00	-40.31	Vertical
5257.80	-11.51	-34.79	-46.30	-13.00	-33.30	Vertical
7010.40	-7.41	-35.91	-43.32	-13.00	-30.32	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

WCDMA 1900						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3704.80	-14.03	-37.12	-51.15	-13.00	-38.15	Horizontal
5557.20	-9.33	-34.19	-43.52	-13.00	-30.52	Horizontal
7409.60	-8.09	-36.24	-44.33	-13.00	-31.33	Horizontal
3704.80	-14.66	-37.12	-51.78	-13.00	-38.78	Vertical
5557.20	-10.33	-34.19	-44.52	-13.00	-31.52	Vertical
7409.60	-8.85	-36.24	-45.09	-13.00	-32.09	Vertical
Middle channel						
3760.00	-14.89	-37.01	-51.90	-13.00	-38.90	Horizontal
5640.00	-10.19	-34.08	-44.27	-13.00	-31.27	Horizontal
7520.00	-8.95	-36.13	-45.08	-13.00	-32.08	Horizontal
3760.00	-14.24	-37.01	-51.25	-13.00	-38.25	Vertical
5640.00	-9.91	-34.08	-43.99	-13.00	-30.99	Vertical
7520.00	-8.43	-36.13	-44.56	-13.00	-31.56	Vertical
Highest channel						
3815.20	-15.54	-36.90	-52.44	-13.00	-39.44	Horizontal
5722.80	-10.84	-33.97	-44.81	-13.00	-31.81	Horizontal
7630.40	-9.60	-36.02	-45.62	-13.00	-32.62	Horizontal
3815.20	-13.56	-36.90	-50.46	-13.00	-37.46	Vertical
5722.80	-9.23	-33.97	-43.20	-13.00	-30.20	Vertical
7630.40	-7.75	-36.02	-43.77	-13.00	-30.77	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

LTE Band 2, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3720.00	-15.06	-37.12	-52.18	-13.00	-39.18	Horizontal
5580.00	-12.17	-34.19	-46.36	-13.00	-33.36	Horizontal
7440.00	-9.63	-36.24	-45.87	-13.00	-32.87	Horizontal
3720.00	-15.69	-37.12	-52.81	-13.00	-39.81	Vertical
5580.00	-13.17	-34.19	-47.36	-13.00	-34.36	Vertical
7440.00	-10.39	-36.24	-46.63	-13.00	-33.63	Vertical
Middle channel						
3760.00	-15.92	-37.01	-52.93	-13.00	-39.93	Horizontal
5640.00	-13.03	-34.08	-47.11	-13.00	-34.11	Horizontal
7520.00	-10.49	-36.13	-46.62	-13.00	-33.62	Horizontal
3760.00	-15.27	-37.01	-52.28	-13.00	-39.28	Vertical
5640.00	-12.75	-34.08	-46.83	-13.00	-33.83	Vertical
7520.00	-9.97	-36.13	-46.10	-13.00	-33.10	Vertical
Highest channel						
3800.00	-16.57	-36.90	-53.47	-13.00	-40.47	Horizontal
5700.00	-13.68	-33.97	-47.65	-13.00	-34.65	Horizontal
7600.00	-11.14	-36.02	-47.16	-13.00	-34.16	Horizontal
3800.00	-14.59	-36.90	-51.49	-13.00	-38.49	Vertical
5700.00	-12.07	-33.97	-46.04	-13.00	-33.04	Vertical
7600.00	-9.29	-36.02	-45.31	-13.00	-32.31	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

LTE Band 4, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.00	-17.70	-37.30	-55.00	-13.00	-42.00	Horizontal
5160.00	-12.95	-35.01	-47.96	-13.00	-34.96	Horizontal
6880.00	-9.67	-36.13	-45.80	-13.00	-32.80	Horizontal
3440.00	-18.33	-37.30	-55.63	-13.00	-42.63	Vertical
5160.00	-13.95	-35.01	-48.96	-13.00	-35.96	Vertical
6880.00	-10.43	-36.13	-46.56	-13.00	-33.56	Vertical
Middle channel						
3465.00	-18.56	-37.19	-55.75	-13.00	-42.75	Horizontal
5197.50	-13.81	-34.90	-48.71	-13.00	-35.71	Horizontal
6930.00	-10.53	-36.02	-46.55	-13.00	-33.55	Horizontal
3465.00	-17.91	-37.19	-55.10	-13.00	-42.10	Vertical
5197.50	-13.53	-34.90	-48.43	-13.00	-35.43	Vertical
6930.00	-10.01	-36.02	-46.03	-13.00	-33.03	Vertical
Highest channel						
3490.00	-19.21	-37.08	-56.29	-13.00	-43.29	Horizontal
5235.00	-14.46	-34.79	-49.25	-13.00	-36.25	Horizontal
6980.00	-11.18	-35.91	-47.09	-13.00	-34.09	Horizontal
3490.00	-17.23	-37.08	-54.31	-13.00	-41.31	Vertical
5235.00	-12.85	-34.79	-47.64	-13.00	-34.64	Vertical
6980.00	-9.33	-35.91	-45.24	-13.00	-32.24	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

LTE Band 5, 1.4MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.00	-15.93	-38.08	-54.01	-13.00	-41.01	Horizontal
2487.00	-18.02	-37.15	-55.17	-13.00	-42.17	Horizontal
3316.00	-19.78	-37.03	-56.81	-13.00	-43.81	Horizontal
1658.00	-16.56	-38.08	-54.64	-13.00	-41.64	Vertical
2487.00	-19.02	-37.15	-56.17	-13.00	-43.17	Vertical
3316.00	-20.54	-37.03	-57.57	-13.00	-44.57	Vertical
Middle channel						
1673.00	-16.79	-37.97	-54.76	-13.00	-41.76	Horizontal
2509.50	-18.88	-37.04	-55.92	-13.00	-42.92	Horizontal
3346.00	-20.64	-36.92	-57.56	-13.00	-44.56	Horizontal
1673.00	-16.14	-37.97	-54.11	-13.00	-41.11	Vertical
2509.50	-18.60	-37.04	-55.64	-13.00	-42.64	Vertical
3346.00	-20.12	-36.92	-57.04	-13.00	-44.04	Vertical
Highest channel						
1688.00	-17.44	-37.86	-55.30	-13.00	-42.30	Horizontal
2532.00	-19.53	-36.93	-56.46	-13.00	-43.46	Horizontal
3376.00	-21.29	-36.81	-58.10	-13.00	-45.10	Horizontal
1688.00	-15.46	-37.86	-53.32	-13.00	-40.32	Vertical
2532.00	-17.92	-36.93	-54.85	-13.00	-41.85	Vertical
3376.00	-19.44	-36.81	-56.25	-13.00	-43.25	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

LTE Band 7, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
5020.00	-11.87	-35.61	-47.48	-25.00	-22.48	Horizontal
7530.00	-7.41	-35.93	-43.34	-25.00	-18.34	Horizontal
10040.00	-9.48	-34.14	-43.62	-25.00	-18.62	Horizontal
5020.00	-22.96	-35.61	-58.57	-25.00	-33.57	Vertical
7530.00	-15.65	-35.93	-51.58	-25.00	-26.58	Vertical
10040.00	-10.03	-34.14	-44.17	-25.00	-19.17	Vertical
Middle channel						
5070.00	-13.08	-35.50	-48.58	-25.00	-23.58	Horizontal
7605.00	-8.62	-35.82	-44.44	-25.00	-19.44	Horizontal
10140.00	-10.69	-34.03	-44.72	-25.00	-19.72	Horizontal
5070.00	-23.47	-35.50	-58.97	-25.00	-33.97	Vertical
7605.00	-16.16	-35.82	-51.98	-25.00	-26.98	Vertical
10140.00	-10.54	-34.03	-44.57	-25.00	-19.57	Vertical
Highest channel						
5120.00	-13.33	-35.40	-48.73	-25.00	-23.73	Horizontal
7680.00	-8.87	-35.72	-44.59	-25.00	-19.59	Horizontal
10240.00	-10.94	-33.93	-44.87	-25.00	-19.87	Horizontal
5120.00	-23.82	-35.40	-59.22	-25.00	-34.22	Vertical
7680.00	-16.51	-35.72	-52.23	-25.00	-27.23	Vertical
10240.00	-10.89	-33.93	-44.82	-25.00	-19.82	Vertical
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report. 2. Margin=Level-Limit=Reading Level+Factor-Limit						

LTE Band 41, 5MHz Bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
5075.00	-14.36	-34.96	-49.32	-25.00	-24.32	Vertical
7612.50	-8.95	-35.53	-44.48	-25.00	-19.48	Horizontal
10150.00	-8.36	-34.16	-42.52	-25.00	-17.52	Vertical
5075.00	-22.96	-34.96	-57.92	-25.00	-32.92	Horizontal
7612.50	-15.65	-35.53	-51.18	-25.00	-26.18	Vertical
10150.00	-10.03	-34.16	-44.19	-25.00	-19.19	Horizontal
Middle channel						
5190.00	-15.57	-34.85	-50.42	-25.00	-25.42	Vertical
7785.00	-10.16	-35.42	-45.58	-25.00	-20.58	Horizontal
10380.00	-9.57	-34.05	-43.62	-25.00	-18.62	Vertical
5190.00	-23.47	-34.85	-58.32	-25.00	-33.32	Horizontal
7785.00	-16.16	-35.42	-51.58	-25.00	-26.58	Vertical
10380.00	-10.54	-34.05	-44.59	-25.00	-19.59	Horizontal
Highest channel						
5305.00	-15.82	-34.75	-50.57	-25.00	-25.57	Vertical
7957.50	-10.41	-35.32	-45.73	-25.00	-20.73	Horizontal
10610.00	-9.82	-33.95	-43.77	-25.00	-18.77	Vertical
5305.00	-23.82	-34.75	-58.57	-25.00	-33.57	Horizontal
7957.50	-16.51	-35.32	-51.83	-25.00	-26.83	Vertical
10610.00	-10.89	-33.95	-44.84	-25.00	-19.84	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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