

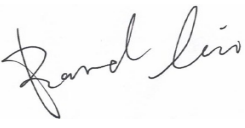
FCC PART 27
FCC PART 22H, PART 24E
TEST REPORT

For

Feitian Technologies Co., Ltd.

Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China

FCC ID: ZD3FTF55

Report Type: Original Report	Product Name: Android POS Terminal
Report Number:	<u>RKSA260330001-00D</u>
Report Date:	<u>2026-06-15</u>
Reviewed By:	<u>Bard Liu</u> 
Approved By:	<u>Kyle Xu</u> 
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S.Government.

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
OBJECTIVE	6
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY	7
TEST FACILITY	7
SYSTEM TEST CONFIGURATION.....	8
JUSTIFICATION	8
CHANNEL LIST	8
EQUIPMENT MODIFICATIONS	9
SUPPORT EQUIPMENT LIST AND DETAILS	9
EXTERNAL I/O CABLE.....	9
BLOCK DIAGRAM OF TEST SETUP	9
TEST EQUIPMENT LIST	11
SUMMARY OF TEST RESULTS	13
FCC §1.1307(B) & §2.1093 - RF EXPOSURE	14
APPLICABLE STANDARD	14
FCC §2.1047 - MODULATION CHARACTERISTIC	15
FCC §2.1046; § 22.913 (A); §24.232 (C); §27.50 (B)(C)(D) - RF OUTPUT POWER.....	16
APPLICABLE STANDARDS	16
TEST PROCEDURE	16
TEST DATA: SEE APPENDIX A.....	16
FCC §2.1049, §22.917, §22.905 & §24.238, §27.53 - OCCUPIED BANDWIDTH	17
APPLICABLE STANDARDS	17
TEST PROCEDURE	17
TEST DATA: SEE APPENDIX A & APPENDIX B	17
FCC § 2.1051; § 22.917 (A); § 24.238 (A); §27.53 (C)(G)(H) - SPURIOUS EMISSIONS AT ANTENNA TERMINALS.....	18
APPLICABLE STANDARDS	18
TEST PROCEDURE	19
TEST DATA: SEE APPENDIX A & APPENDIX D	19
FCC § 2.1053; § 22.917 (A); § 24.238 (A) & §27.53 (C)(G)(H) - SPURIOUS RADIATED EMISSIONS.....	20
APPLICABLE STANDARDS	20
TEST PROCEDURE	21
TEST DATA: SEE APPENDIX A.....	21
FCC § 22.917 (A); § 24.238 (A); §27.53 (C)(G)(H) - BAND EDGES.....	22
APPLICABLE STANDARDS	22
TEST PROCEDURE	23
TEST DATA: SEE APPENDIX A&C	23
FCC §2.1055; §22.355; §24.235; §27.54 - FREQUENCY STABILITY	24
APPLICABLE STANDARDS	24
TEST PROCEDURE	25
TEST DATA: SEE APPENDIX A.....	25
EUT PHOTOGRAPHS.....	26

TEST SETUP PHOTOGRAPHS27

APPENDIX A - TEST DATA28

RF OUTPUT POWER.....28

OCCUPIED BANDWIDTH29

SPURIOUS EMISSIONS AT ANTENNA TERMINALS30

SPURIOUS RADIATED EMISSIONS.....31

BAND EDGES.....38

FREQUENCY STABILITY39

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260330001-00D	R1V1	2026-06-15	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Feitian Technologies Co., Ltd.
Tested Model:	F55
Product Name:	Android POS Terminal
Power Supply:	DC 5V from Adapter or DC 3.7V from battery
Maximum Conducted Output Power(Main Antenna) :	LTE: Band 2: 22.0 dBm; Band 4: 22.30 dBm Band 5: 23.36 dBm; Band 12: 22.17 dBm Band 13: 22.74 dBm; Band 66: 23.78 dBm
RF Function:	LTE
Operating Band/Frequency:	LTE Band 2: 1850-1910 MHz(TX), 1930-1990 MHz(RX) LTE Band 4: 1710-1755 MHz(TX), 2110-2155 MHz(RX) LTE Band 5: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 13: 777-787 MHz(TX), 746-756 MHz(RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2180 MHz(RX)
Modulation Type:	LTE: QPSK, 16QAM, 64QAM(Downlink only)
Antenna Type:	FPC Antenna
★Maximum Antenna Gain (Main Antenna):	LTE Band 2: -1.67 dBi LTE Band 4: -1.61 dBi LTE Band 5: -3.10 dBi LTE Band 12: -10.52 dBi LTE Band 13: -5.97 dBi LTE Band 66: -1.56 dBi

Adapter Information:

Model: TEKA-UCA10US

Input: AC 100-240V, 50/60Hz, 0.2A MAX

Output: DC 5.0V, 1.0A

Note:

1. The maximum antenna gain is provided by the applicant.
2. EUT only supports LTE Cat.1

2. The EUT has two configurations, we tested the DuoPOS, the difference between this two configurations as below:

The differences of them are as follows:

configurations	DuoPOS	oftPOS
Model: F55		
HW ID	F55_05_S11_00	F55_05_G12_00
Speaker	8Ω1W	8 Ω 3W
Display	3.2 Inch LCD, 1.7 Inch LCD	3.2 Inch LCD
Camera	Yes	Yes
Status indicator	LCD indicator	LCD indicator
Key	Power/ 1/2/3/4/5/6/7/8/9/0/≡ /↑/↓/X/←/→	Power
IC Card Reader	Yes	No

All measurement and test data in this report was gathered from production sample serial number: RKSA260330001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-30.)

Objective

This type approval report is prepared for *Feitian Technologies Co., Ltd.* in accordance with Part 2, Part 22-Subpart H and Part 24-Subpart E, Part 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-Part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
 Part 24 Subpart E - Personal Communication Services
 Part 27 – Miscellaneous wireless communications services

Applicable Standards: ANSI C63.26-2015.

Measurement Uncertainty

Item		Uncertainty
RF Frequency		0.082×10^{-7}
RF output power, conducted		0.73dB
RF conducted test with spectrum		0.9dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	5.91dB
	1GHz~6GHz	4.68dB
	6GHz~18GHz	4.92dB
	18GHz~40GHz	5.21dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%
Supply voltages		$\pm 0.4\%$

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to ANSI C63.26-2015.

The final qualification test was performed with the EUT operating at normal mode.

Channel List

Frequency Band	Bandwidth (MHz)	Test Frequency (MHz)		
		Low	Middle	High
LTE Band 2	1.4	1850.7	1880.0	1909.3
	3	1851.5	1880.0	1908.5
	5	1852.5	1880.0	1907.5
	10	1855.0	1880.0	1905.0
	15	1857.5	1880.0	1902.5
	20	1860.0	1880.0	1900.0
LTE Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715.0	1732.5	1750.0
	15	1717.5	1732.5	1747.5
	20	1720.0	1732.5	1745.0
LTE Band 5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829.0	836.5	844.0
LTE Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0
LTE Band 13	5	779.5	782.0	784.5
	10	/	782.0	/
LTE Band 66	1.4	1710.7	1745.0	1779.3
	3	1711.5	1745.0	1778.5
	5	1712.5	1745.0	1777.5
	10	1715.0	1745.0	1775.0
	15	1717.5	1745.0	1772.5
	20	1720.0	1745.0	1770.0

Equipment Modifications

No modifications were made to the EUT.

Support Equipment List and Details

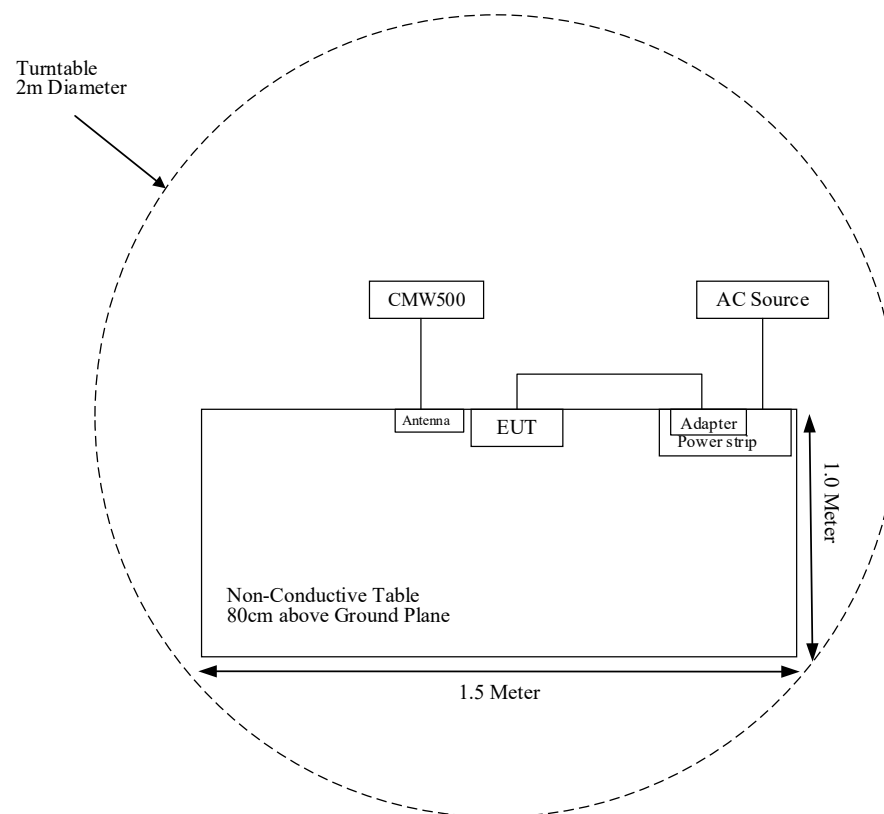
Manufacturer	Description	Model	Serial Number
Aihuaxin technology	Antenna	N/A	N/A

External I/O Cable

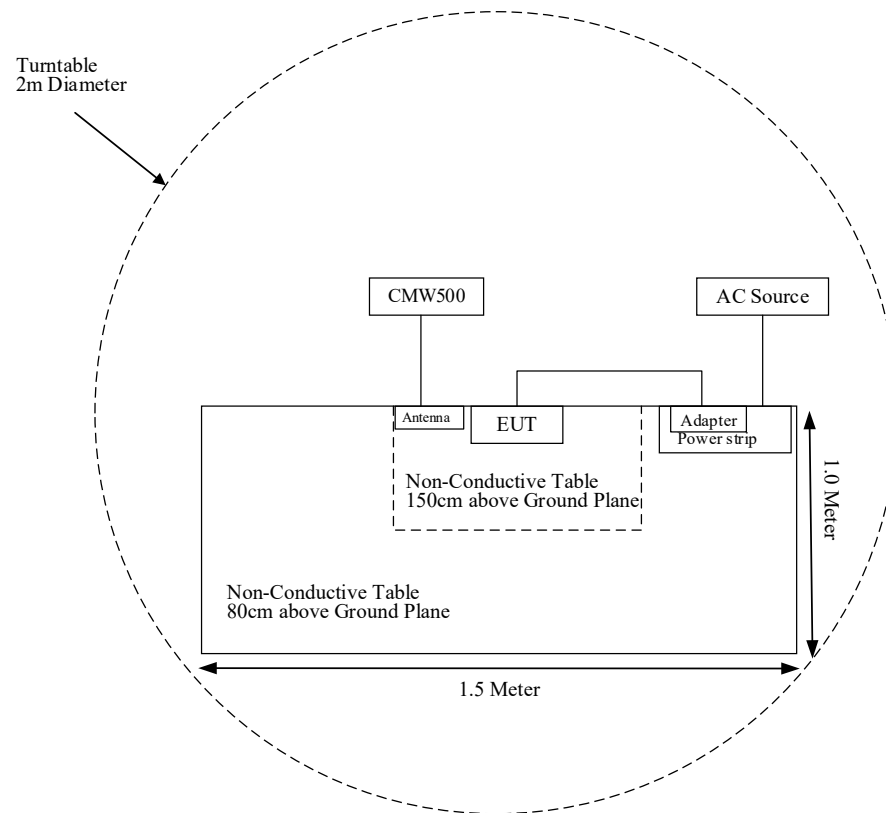
Cable Description	Length (m)	From Port	To Port
Power Cable	1.0	AC Source	Adapter
USB Cable	1.2	Adapter	EUT

Block Diagram of Test Setup

For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1 GHz):



TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
Keysight	Signal Generator	N5183A	MY47420304	2026-03-13	2027-03-12
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
Sonoma Instrument	Amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2026-03-12	2027-03-11
Radiated Emission Test (Chamber #2)					
Keysight	Signal Generator	N5183A	MY47420304	2026-03-13	2027-03-12
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-03-16	2027-03-15
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2023-12-02	2026-12-01
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
ETS-LINDGREN	Horn Antenna	3116	84159	2024-12-08	2027-12-07
A.H.Systems,inc	Amplifier	PAM-0118P	512	2026-03-16	2027-03-15
EM Electronics Corporation	Amplifier	EM18G40G	060726	2026-03-16	2027-03-15
Wi	Band reject filter	SN1	WRCGV5-804-824-849-869-30SS	2026-03-13	2027-03-12
Wi	Band reject filter	SN1	WRCGV6-1830-1850-1910-1930-30SS	2026-03-13	2027-03-12
Wi	Band reject filter	SN2	WRCT16-697-699-716-718-60SS	2026-03-13	2027-03-12
Wi	Band reject filter(cavity)	SN1	WRCGV5-765-777-787-799-35SS	2026-03-13	2027-03-12
Wi	Band reject filter(cavity)	SN1	WRCGV8-1695-1710-1755-1770-30SS	2026-03-13	2027-03-12

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
JUNFLON	Cable	Cable-27	AUG-07-15-042	2026-03-16	2027-03-15
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2026-03-12	2027-03-11
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2026-03-16	2027-03-15
BACL	Temperature & Humidity Chamber	BTH-150	30023	2026-03-16	2027-03-15
EAST	Regulated DC Power Supply	MCH-303D-II	14070562	2026-03-16	2027-03-15
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2026-03-12	2027-03-11
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
Eastsheep	Attenuator	2W-N-JK-18G	10dB-02	2026-03-13	2027-03-12
Eastsheep	Attenuator	2W-N-JK-18G	20dB-01	2026-03-13	2027-03-12
MACOM	Power Splitter	2090-6214-00	96341	2026-03-13	2027-03-12
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Unknown	RF Cable	RF Cable C01	C01	Each Time	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§2.1046; § 22.913 (a); §24.232 (c); §27.50 (b)(c)(d)	RF Output Power	Compliant
§ 2.1047	Modulation Characteristics	Not Applicable
§2.1049; §22.905; §22.917; §24.238; §27.53	Occupied Bandwidth	Compliant
§2.1051; §22.917 (a); §24.238 (a); §27.53 (c)(g)(h)	Spurious Emissions at Antenna Terminal	Compliant
§2.1053; §22.917 (a) §24.238 (a); §27.53 (c)(g)(h)	Spurious Radiated Emissions	Compliant
§22.917 (a); §24.238 (a); §27.53 (c)(g)(h)	Band Edge	Compliant
§2.1055; §22.355; §24.235; §27.54;	Frequency stability	Compliant
§1.1307(b)(1)& §2.1093	RF EXPOSURE	Compliant

FCC §1.1307(b) & §2.1093 - RF EXPOSURE

Applicable Standard

FCC§1.1307, §2.1093.

Measurement Result

Result: Please refer to the SAR report: RKSA260330001-20B.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E, Part 27, there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC §2.1046; § 22.913 (a); §24.232 (c); § 27.50 (b)(c)(d) - RF OUTPUT POWER

Applicable Standards

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts (38.45dBm).

According to FCC §2.1046 and §24.232 (c), mobile and portable stations are limited to 2 watts (33dBm) EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to § 27.50(b) (10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

According to §27.50(c), Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP

According to §27.50(d), the maximum EIRP must not exceed 1Watts (30dBm) for 1710-1780MHz.

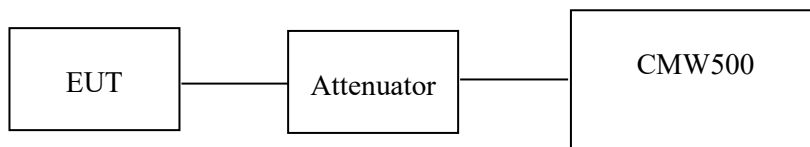
According to FCC §2.1046, the maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation.



Note: the offset=Attenuator (10dB) + Cable loss (0.5dB)

Test Data: See Appendix A

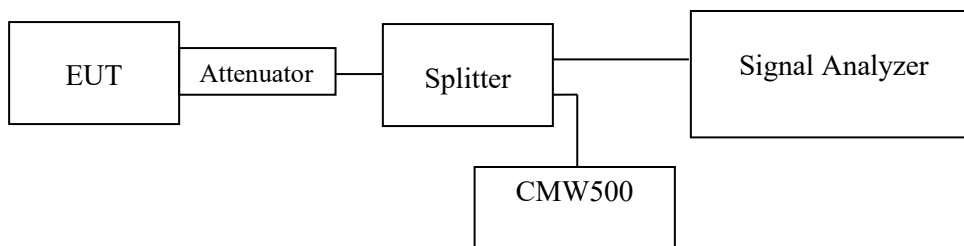
FCC §2.1049, §22.917, §22.905 & §24.238, §27.53 - OCCUPIED BANDWIDTH**Applicable Standards**

FCC 47 §2.1049, §22.917, §22.905 & §24.238, §27.53.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation. The 26 dB & 99% bandwidth was recorded.

Note: The 15dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Note: the offset=Attenuator (10dB) + Cable loss (0.5dB) +Power Splitter (4.5dB)

Test Data: See Appendix A & Appendix B

FCC § 2.1051; § 22.917 (a); § 24.238 (a); § 27.53 (c)(g)(h) - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Applicable Standards

FCC §2.1051, §22.917(a), §24.238(a), § 27.53 (c)(g) (h).

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

According to §22.917(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.

24.238 (a) Out of band emissions. 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.

27.53 (c)

c) 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;

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

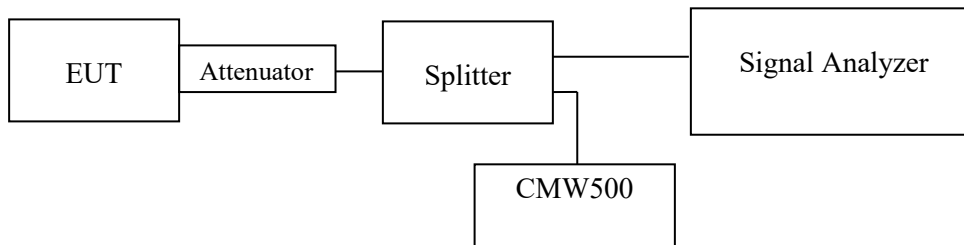
27.53 (h) AWS emission limits —

(1) General protection levels. 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 bands, 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.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz for below 1GHz & 1MHz for above 1GHz. sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Note: The 15.3dB/15.8dB /16.5dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Note: the offset=Attenuator (10dB) + Cable loss (0.8dB) +Power Splitter (4.5dB) for Band 5/12/13;
the offset=Attenuator (10dB) + Cable loss (1.3dB) +Power Splitter (4.5dB) for Band 2/4;
the offset=Attenuator (10dB) + Cable loss (2.0dB) +Power Splitter (4.5dB) for Band 66;

Test Data: See Appendix A & Appendix D

FCC § 2.1053; § 22.917 (a); § 24.238 (a) & § 27.53 (c)(g)(h) - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC § 2.1053, §22.917(a) and § 24.238(a) and § 27.53 (c)(g) (h)

22.917 (a) Out of band emissions. 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.

24.238 (a) Out of band emissions. 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.

27.53 (c)

c) 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;

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

(1) General protection levels. 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 bands, 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.

Test Procedure

According to ANSI C63.26-2015 Section 5.5.3:

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Test Data: See Appendix A

FCC § 22.917 (a); § 24.238 (a); § 27.53 (c)(g)(h) - BAND EDGES

Applicable Standards

22.917 (a) Out of band emissions. 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.

24.238 (a) Out of band emissions. 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.

27.53 (c)

c) 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;

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

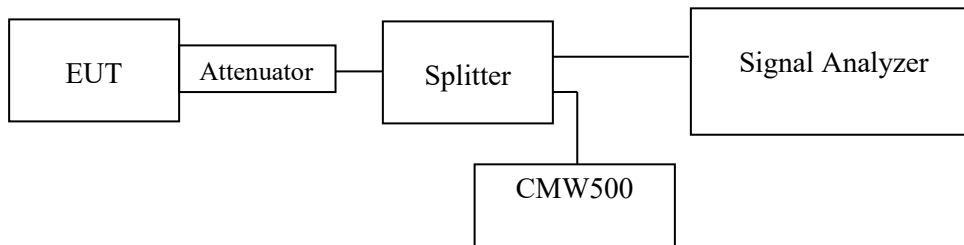
(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P)$ dB.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.

Note: The 15dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Note: the offset=Attenuator (10dB) + Cable loss (0.5dB) +Power Splitter (4.5dB)

Test Data: See Appendix A&C

FCC §2.1055; §22.355; §24.235; §27.54 - FREQUENCY STABILITY**Applicable Standards**

FCC § 2.1055, §22.355, §24.235, §27.54.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

According to §27.54 Frequency stability, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

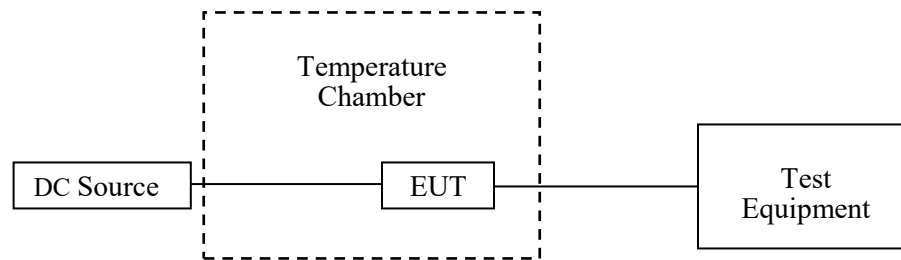
Test Procedure

According to ANSI C63.26-2015 Section 5.6:

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Data: See Appendix A

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT D - TEST SETUP PHOTOGRAPHS.

APPENDIX A - TEST DATA

RF OUTPUT POWER

Environmental Conditions & Test Information

Test Date:	2026-04-11 to 2026-06-15
Temperature:	19-24.2°C
Relative Humidity:	48-50 %
ATM Pressure:	101.2-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

LTE: Please check the APPENDIX F_ RF Output Power for detail.

Peak-to-average ratio (PAR):

LTE: Please check the APPENDIX E_ Peak-to-average ratio (PAR) for detail.

OCCUPIED BANDWIDTH**Environmental Conditions & Test Information**

Test Date:	2026-04-11 to 2026-04-13
Temperature:	19-20°C
Relative Humidity:	48-50 %
ATM Pressure:	101.0-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

LTE: Please check the APPENDIX B_Occupied bandwidth for detail.

SPURIOUS EMISSIONS AT ANTENNA TERMINALS**Environmental Conditions & Test Information**

Test Date:	2026-04-13 to 2026-04-15
Temperature:	20-21°C
Relative Humidity:	49-50 %
ATM Pressure:	101.2-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

Test Result: Compliance

LTE: Please check the APPENDIX D_TX Spurious for detail.

SPURIOUS RADIATED EMISSIONS**Environmental Conditions & Test Information**

Test Date:	2026-04-13 to 2026-04-15
Temperature:	20-21°C
Relative Humidity:	49-50 %
ATM Pressure:	101.2-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: Transmitting (Pre-scan in the X, Y and Z axes of orientation, and worst case is Y axes as below)

Test mode: Transmitting (Pre-scan with all the bandwidth, and IRB is worst case as below)

30 MHz ~ 10 GHz:

LTE Band 5:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
30.78	32.92	257	100	H	-36.41	0.14	-27.92	-64.47	-13	51.47
30.78	41.48	355	200	V	-37.60	0.14	-27.92	-65.66	-13	52.66
1649.40	57.95	154	100	H	-55.39	0.84	8.44	-47.79	-13	34.79
1649.40	56.88	104	150	V	-56.46	0.84	8.44	-48.86	-13	35.86
16-QAM 1.4MHz Bandwidth Low Channel										
30.78	32.74	4	200	H	-36.59	0.14	-27.92	-64.65	-13	51.65
30.78	41.43	245	150	V	-37.65	0.14	-27.92	-65.71	-13	52.71
1649.40	58.02	206	150	H	-55.32	0.84	8.44	-47.72	-13	34.72
1649.40	56.91	247	200	V	-56.43	0.84	8.44	-48.83	-13	35.83
QPSK 1.4MHz Bandwidth Middle Channel										
32.58	35.21	300	100	H	-36.92	0.15	-26.47	-63.54	-13	50.54
32.58	43.36	191	150	V	-38.06	0.15	-26.47	-64.68	-13	51.68
1673.00	58.91	52	100	H	-54.26	0.84	8.48	-46.62	-13	33.62
1673.00	56.78	294	100	V	-56.39	0.84	8.48	-48.75	-13	35.75
16-QAM 1.4MHz Bandwidth Middle Channel										
32.58	35.43	320	150	H	-36.70	0.15	-26.47	-63.32	-13	50.32
32.58	43.45	347	100	V	-37.97	0.15	-26.47	-64.59	-13	51.59
1673.00	59.77	127	200	H	-53.40	0.84	8.48	-45.76	-13	32.76
1673.00	58.18	22	100	V	-54.99	0.84	8.48	-47.35	-13	34.35
QPSK 1.4MHz Bandwidth High Channel										
31.65	35.93	349	200	H	-34.75	0.15	-27.22	-62.12	-13	49.12
31.65	43.73	90	200	V	-36.48	0.15	-27.22	-63.85	-13	50.85
1696.60	59.13	41	100	H	-53.88	0.84	8.52	-46.20	-13	33.20
1696.60	57.77	13	200	V	-55.24	0.84	8.52	-47.56	-13	34.56
16-QAM 1.4MHz Bandwidth High Channel										
31.65	36.00	242	200	H	-34.68	0.15	-27.22	-62.05	-13	49.05
31.65	43.91	118	150	V	-36.30	0.15	-27.22	-63.67	-13	50.67
1696.60	59.00	168	100	H	-54.01	0.84	8.52	-46.33	-13	33.33
1696.60	57.79	108	150	V	-55.22	0.84	8.52	-47.54	-13	34.54

LTE Band 12:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
33.27	37.36	161	100	H	-35.85	0.16	-25.92	-61.93	-13	48.93
33.27	44.98	344	150	V	-37.34	0.16	-25.92	-63.42	-13	50.42
1399.40	60.72	195	200	H	-53.45	0.82	7.92	-46.35	-13	33.35
1399.40	59.22	304	200	V	-54.95	0.82	7.92	-47.85	-13	34.85
16-QAM 1.4MHz Bandwidth Low Channel										
33.27	37.87	55	100	H	-35.34	0.16	-25.92	-61.42	-13	48.42
33.27	45.15	12	150	V	-37.17	0.16	-25.92	-63.25	-13	50.25
1399.40	60.83	132	200	H	-53.34	0.82	7.92	-46.24	-13	33.24
1399.40	59.32	173	100	V	-54.85	0.82	7.92	-47.75	-13	34.75
QPSK 1.4MHz Bandwidth Middle Channel										
31.25	37.43	224	150	H	-32.63	0.15	-27.54	-60.32	-13	47.32
31.25	34.54	137	200	V	-35.52	0.15	-27.54	-63.21	-13	50.21
1415.00	64.85	49	150	H	-49.35	0.82	7.96	-42.21	-13	29.21
1415.00	63.54	98	150	V	-50.66	0.82	7.96	-43.52	-13	30.52
16-QAM 1.4MHz Bandwidth Middle Channel										
31.25	36.30	352	200	H	-33.76	0.15	-27.54	-61.45	-13	48.45
31.25	34.71	42	100	V	-35.35	0.15	-27.54	-63.04	-13	50.04
1415.00	64.70	197	150	H	-49.50	0.82	7.96	-42.36	-13	29.36
1415.00	63.39	295	100	V	-50.81	0.82	7.96	-43.67	-13	30.67
QPSK 1.4MHz Bandwidth High Channel										
32.46	38.43	152	100	H	-33.51	0.15	-26.57	-60.23	-13	47.23
32.46	45.39	124	150	V	-35.87	0.15	-26.57	-62.59	-13	49.59
1430.60	61.56	358	200	H	-52.67	0.82	8.01	-45.48	-13	32.48
1430.60	60.52	153	100	V	-53.71	0.82	8.01	-46.52	-13	33.52
16-QAM 1.4MHz Bandwidth High Channel										
32.46	38.70	82	100	H	-33.24	0.15	-26.57	-59.96	-13	46.96
32.46	45.13	193	100	V	-36.13	0.15	-26.57	-62.85	-13	49.85
1430.60	60.52	30	100	H	-53.71	0.82	8.01	-46.52	-13	33.52
1430.60	59.26	298	200	V	-54.97	0.82	8.01	-47.78	-13	34.78

LTE Band 13:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
32.55	34.98	295	150	H	-37.10	0.15	-26.50	-63.75	-13	50.75
32.55	43.23	220	200	V	-38.15	0.15	-26.50	-64.80	-13	51.80
1559.00	60.96	193	100	H	-53.00	0.83	8.29	-45.54	-40	5.54
1559.00	59.77	145	200	V	-54.19	0.83	8.29	-46.73	-40	6.73
16-QAM 5MHz Bandwidth Low Channel										
32.55	35.20	78	200	H	-36.88	0.15	-26.50	-63.53	-13	50.53
32.55	43.35	104	150	V	-38.03	0.15	-26.50	-64.68	-13	51.68
1559.00	61.08	218	200	H	-52.88	0.83	8.29	-45.42	-40	5.42
1559.00	59.82	83	150	V	-54.14	0.83	8.29	-46.68	-40	6.68
QPSK 5MHz Bandwidth High Channel										
32.41	35.65	281	200	H	-36.22	0.15	-26.61	-62.98	-13	49.98
32.41	43.51	231	100	V	-37.69	0.15	-26.61	-64.45	-13	51.45
1569.00	61.10	237	150	H	-52.79	0.83	8.31	-45.31	-40	5.31
1569.00	59.92	116	100	V	-53.97	0.83	8.31	-46.49	-40	6.49
16-QAM 5MHz Bandwidth High Channel										
32.41	35.10	206	100	H	-36.77	0.15	-26.61	-63.53	-13	50.53
32.41	43.21	5	150	V	-37.99	0.15	-26.61	-64.75	-13	51.75
1569.00	61.17	17	150	H	-52.72	0.83	8.31	-45.24	-40	5.24
1569.00	59.98	132	100	V	-53.91	0.83	8.31	-46.43	-40	6.43

30 MHz ~ 20 GHz:**LTE Band 2:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
279.90	50.30	229	150	H	-54.59	0.45	-2.19	-57.23	-13	44.23
279.90	52.87	173	150	V	-55.84	0.45	-2.19	-58.48	-13	45.48
3701.40	53.73	153	200	H	-53.23	0.95	9.78	-44.40	-13	31.40
3701.40	52.45	22	150	V	-54.51	0.95	9.78	-45.68	-13	32.68
16-QAM 1.4MHz Bandwidth Low Channel										
279.90	50.08	220	100	H	-54.81	0.45	-2.19	-57.45	-13	44.45
279.90	52.68	8	200	V	-56.03	0.45	-2.19	-58.67	-13	45.67
3701.40	53.92	30	150	H	-53.04	0.95	9.78	-44.21	-13	31.21
3701.40	52.50	272	200	V	-54.46	0.95	9.78	-45.63	-13	32.63
QPSK 1.4MHz Bandwidth Middle Channel										
278.32	50.39	104	150	H	-54.32	0.45	-2.19	-56.96	-13	43.96
278.32	52.59	158	150	V	-55.03	0.45	-2.19	-57.67	-13	44.67
3760.00	56.67	200	100	H	-50.11	0.95	9.74	-41.32	-13	28.32
3760.00	55.42	21	100	V	-51.36	0.95	9.74	-42.57	-13	29.57
16-QAM 1.4MHz Bandwidth Middle Channel										
278.32	50.53	348	200	H	-54.18	0.45	-2.19	-56.82	-13	43.82
278.32	52.75	247	200	V	-54.87	0.45	-2.19	-57.51	-13	44.51
3760.00	56.96	231	200	H	-49.82	0.95	9.74	-41.03	-13	28.03
3760.00	55.50	114	200	V	-51.28	0.95	9.74	-42.49	-13	29.49
QPSK 1.4MHz Bandwidth High Channel										
263.20	50.50	263	200	H	-52.45	0.45	-2.22	-55.12	-13	42.12
263.20	55.05	2	200	V	-53.68	0.45	-2.22	-56.35	-13	43.35
3818.60	53.63	214	200	H	-52.96	0.96	9.71	-44.21	-13	31.21
3818.60	52.48	130	100	V	-54.11	0.96	9.71	-45.36	-13	32.36
16-QAM 1.4MHz Bandwidth High Channel										
263.20	50.41	223	100	H	-52.54	0.45	-2.22	-55.21	-13	42.21
263.20	55.16	316	200	V	-53.57	0.45	-2.22	-56.24	-13	43.24
3818.60	53.99	324	200	H	-52.60	0.96	9.71	-43.85	-13	30.85
3818.60	52.61	238	150	V	-53.98	0.96	9.71	-45.23	-13	32.23

LTE Band 4:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
278.68	50.25	215	200	H	-54.50	0.45	-2.19	-57.14	-13	44.14
278.68	51.77	273	150	V	-55.82	0.45	-2.19	-58.46	-13	45.46
3421.40	49.73	273	200	H	-58.21	0.93	9.82	-49.32	-13	36.32
3421.40	48.58	245	150	V	-59.36	0.93	9.82	-50.47	-13	37.47
16-QAM 1.4MHz Bandwidth Low Channel										
278.68	50.41	247	150	H	-54.34	0.45	-2.19	-56.98	-13	43.98
278.68	51.90	220	150	V	-55.69	0.45	-2.19	-58.33	-13	45.33
3421.40	49.85	54	150	H	-58.09	0.93	9.82	-49.20	-13	36.20
3421.40	48.70	201	100	V	-59.24	0.93	9.82	-50.35	-13	37.35
QPSK 1.4MHz Bandwidth Middle Channel										
279.89	50.51	167	200	H	-54.38	0.45	-2.19	-57.02	-13	44.02
279.89	51.85	160	200	V	-55.66	0.45	-2.19	-58.30	-13	45.30
3465.00	49.78	24	200	H	-57.97	0.93	9.87	-49.03	-13	36.03
3465.00	48.56	62	100	V	-59.19	0.93	9.87	-50.25	-13	37.25
16-QAM 1.4MHz Bandwidth Middle Channel										
279.89	50.58	87	150	H	-54.31	0.45	-2.19	-56.95	-13	43.95
279.89	49.29	357	150	V	-55.60	0.45	-2.19	-58.24	-13	45.24
3465.00	49.96	134	150	H	-57.79	0.93	9.87	-48.85	-13	35.85
3465.00	48.69	290	200	V	-59.06	0.93	9.87	-50.12	-13	37.12
QPSK 1.4MHz Bandwidth High Channel										
279.85	50.76	236	150	H	-54.12	0.45	-2.19	-56.76	-13	43.76
279.85	52.10	53	150	V	-55.41	0.45	-2.19	-58.05	-13	45.05
3508.60	55.29	293	200	H	-52.28	0.93	9.89	-43.32	-13	30.32
3508.60	54.09	309	150	V	-53.48	0.93	9.89	-44.52	-13	31.52
16-QAM 1.4MHz Bandwidth High Channel										
279.85	50.67	48	150	H	-54.21	0.45	-2.19	-56.85	-13	43.85
279.85	52.13	354	100	V	-55.38	0.45	-2.19	-58.02	-13	45.02
3508.60	55.46	107	150	H	-52.11	0.93	9.89	-43.15	-13	30.15
3508.60	53.94	349	200	V	-53.63	0.93	9.89	-44.67	-13	31.67

LTE Band 66:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
680.03	43.40	213	150	H	-54.95	0.61	-1.53	-57.09	-13	44.09
680.03	43.82	158	100	V	-56.19	0.61	-1.53	-58.33	-13	45.33
3421.40	54.53	65	150	H	-53.41	0.93	9.82	-44.52	-13	31.52
3421.40	53.18	97	100	V	-54.76	0.93	9.82	-45.87	-13	32.87
16-QAM 1.4MHz Bandwidth Low Channel										
680.03	43.47	38	150	H	-54.88	0.61	-1.53	-57.02	-13	44.02
680.03	43.80	181	150	V	-56.21	0.61	-1.53	-58.35	-13	45.35
3421.40	54.57	303	150	H	-53.37	0.93	9.82	-44.48	-13	31.48
3421.40	53.29	102	100	V	-54.65	0.93	9.82	-45.76	-13	32.76
QPSK 1.4MHz Bandwidth Middle Channel										
678.05	43.31	227	100	H	-54.84	0.61	-1.51	-56.96	-13	43.96
678.05	43.94	145	200	V	-56.12	0.61	-1.51	-58.24	-13	45.24
3490.00	58.36	355	200	H	-49.28	0.93	9.89	-40.32	-13	27.32
3490.00	57.20	181	100	V	-50.44	0.93	9.89	-41.48	-13	28.48
16-QAM 1.4MHz Bandwidth Middle Channel										
678.05	43.34	92	100	H	-54.81	0.61	-1.51	-56.93	-13	43.93
678.05	44.83	120	200	V	-55.23	0.61	-1.51	-57.35	-13	44.35
3490.00	46.93	3	200	H	-60.71	0.93	9.89	-51.75	-13	38.75
3490.00	46.01	88	100	V	-61.63	0.93	9.89	-52.67	-13	39.67
QPSK 1.4MHz Bandwidth High Channel										
679.56	43.59	225	150	H	-54.71	0.61	-1.53	-56.85	-13	43.85
679.56	44.95	277	150	V	-55.07	0.61	-1.53	-57.21	-13	44.21
3558.60	46.92	76	200	H	-60.49	0.93	9.86	-51.56	-13	38.56
3558.60	46.07	85	200	V	-61.34	0.93	9.86	-52.41	-13	39.41
16-QAM 1.4MHz Bandwidth High Channel										
679.56	43.66	336	150	H	-54.64	0.61	-1.53	-56.78	-13	43.78
679.56	45.04	195	100	V	-54.98	0.61	-1.53	-57.12	-13	44.12
3558.60	46.55	59	150	H	-60.86	0.93	9.86	-51.93	-13	38.93
3558.60	45.63	274	200	V	-61.78	0.93	9.86	-52.85	-13	39.85

Note:

1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)

Antenna gain is dBd for frequency below 1GHz and is dBi for frequency above 1GHz.

2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

BAND EDGES**Environmental Conditions & Test Information**

Test Date:	2026-04-11 to 2026-06-15
Temperature:	19-24.2°C
Relative Humidity:	48-50 %
ATM Pressure:	101.2-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

Test Result: Compliant.

LTE: Please check the APPENDIX C_Band Edge for detail.

FREQUENCY STABILITY**Environmental Conditions & Test Information**

Test Date:	2026-04-11 to 2026-04-13
Temperature:	19-20°C
Relative Humidity:	48-50 %
ATM Pressure:	101.0-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

LTE Band 2:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1850.04583	1909.94340	1850	1910
-20		1850.04704	1909.94142	1850	1910
-10		1850.04649	1909.94439	1850	1910
0		1850.04132	1909.94252	1850	1910
10		1850.04209	1909.94318	1850	1910
20		1850.05023	1909.94967	1850	1910
30		1850.04946	1909.94747	1850	1910
40		1850.04451	1909.94648	1850	1910
50		1850.04660	1909.94329	1850	1910
20	V min.= 3.33	1850.04110	1909.94560	1850	1910
20	V max.= 4.07	1850.04935	1909.94230	1850	1910

16-QAM, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1850.04462	1909.94340	1850	1910
-20		1850.04165	1909.94340	1850	1910
-10		1850.04022	1909.94340	1850	1910
0		1850.04143	1909.94340	1850	1910
10		1850.04220	1909.94340	1850	1910
20		1850.04198	1909.94340	1850	1910
30		1850.04286	1909.94340	1850	1910
40		1850.04473	1909.94340	1850	1910
50		1850.04429	1909.94340	1850	1910
20	V min.= 3.33	1850.05001	1909.94340	1850	1910
20	V max.= 4.07	1850.04165	1909.94340	1850	1910

LTE Band 4:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1710.04132	1754.95890	1710	1755
-20		1710.04451	1754.95131	1710	1755
-10		1710.04836	1754.95637	1710	1755
0		1710.04781	1754.95252	1710	1755
10		1710.05067	1754.95197	1710	1755
20		1710.04407	1754.95780	1710	1755
30		1710.04066	1754.95186	1710	1755
40		1710.05067	1754.95956	1710	1755
50		1710.04957	1754.95978	1710	1755
20	V min.= 3.33	1710.04154	1754.94900	1710	1755
20	V max.= 4.07	1710.04825	1754.95131	1710	1755

16QAM, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1710.04759	1754.96703	1710	1755
-20		1710.04286	1754.95966	1710	1755
-10		1710.04836	1754.96120	1710	1755
0		1710.04495	1754.96461	1710	1755
10		1710.04242	1754.95966	1710	1755
20		1710.04759	1754.96780	1710	1755
30		1710.04935	1754.96835	1710	1755
40		1710.04737	1754.96813	1710	1755
50		1710.04858	1754.96505	1710	1755
20	V min.= 3.33	1710.04924	1754.96329	1710	1755
20	V max.= 4.07	1710.05067	1754.96560	1710	1755

LTE Band 5:

QPSK, 10.0 MHz,Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.7	14	0.01674	2.5
-20		9	0.01076	2.5
-10		-4	-0.00478	2.5
0		3	0.00359	2.5
10		-11	-0.01315	2.5
20		5	0.00598	2.5
30		-6	-0.00717	2.5
40		-4	-0.00478	2.5
50		7	0.00837	2.5
20	V min.= 3.33	17	0.02032	2.5
20	V max.= 4.07	15	0.01793	2.5

16-QAM, 10.0 MHz, Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.7	8	0.00956	2.5
-20		3	0.00359	2.5
-10		-4	-0.00478	2.5
0		11	0.01315	2.5
10		15	0.01793	2.5
20		6	0.00717	2.5
30		14	0.01674	2.5
40		11	0.01315	2.5
50		12	0.01435	2.5
20	V min.= 3.33	5	0.00598	2.5
20	V max.= 4.07	-11	-0.01315	2.5

LTE Band 12:

QPSK, 10 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	699.05023	715.96811	699	716
-20		699.04946	715.95299	699	716
-10		699.04957	715.95845	699	716
0		699.04066	715.97000	699	716
10		699.04880	715.96874	699	716
20		699.04209	715.96391	699	716
30		699.04110	715.96643	699	716
40		699.04913	715.96076	699	716
50		699.04957	715.96580	699	716
20	V min.= 3.33	699.04011	715.96790	699	716
20	V max.= 4.07	699.04748	715.95047	699	716

16-QAM, 10 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	699.04638	715.98354	699	716
-20		699.04539	715.98240	699	716
-10		699.04693	715.98582	699	716
0		699.04088	715.98297	699	716
10		699.04803	715.98677	699	716
20		699.05100	715.98848	699	716
30		699.04836	715.97119	699	716
40		699.04869	715.97195	699	716
50		699.04979	715.97955	699	716
20	V min.= 3.33	699.04297	715.98392	699	716
20	V max.= 4.07	699.04627	715.97993	699	716

LTE Band 13:

QPSK, 10 MHz, middle channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	777.04363	786.93226	777	787
-20		777.04814	786.93352	777	787
-10		777.04484	786.92236	777	787
0		777.04605	786.92974	777	787
10		777.04869	786.93028	777	787
20		777.05023	786.93712	777	787
30		777.04660	786.92398	777	787
40		777.04132	786.93550	777	787
50		777.04737	786.93676	777	787
20	V min.= 3.33	777.04297	786.92434	777	787
20	V max.= 4.07	777.04462	786.92506	777	787

16-QAM, 10 MHz, middle channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	777.04473	786.94129	777	787
-20		777.04946	786.94767	777	787
-10		777.04022	786.94261	777	787
0		777.04451	786.93821	777	787
10		777.04891	786.93865	777	787
20		777.04330	786.94195	777	787
30		777.04528	786.94393	777	787
40		777.04682	786.94217	777	787
50		777.04484	786.94129	777	787
20	V min.= 3.33	777.04814	786.93777	777	787
20	V max.= 4.07	777.05001	786.94679	777	787

LTE Band 66:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1710.04176	1779.96244	1710	1780
-20		1710.03672	1779.96874	1710	1780
-10		1710.04020	1779.96832	1710	1780
0		1710.04068	1779.97000	1710	1780
10		1710.04188	1779.95866	1710	1780
20		1710.03876	1779.95026	1710	1780
30		1710.03012	1779.95341	1710	1780
40		1710.03744	1779.95089	1710	1780
50		1710.03972	1779.94942	1710	1780
20	V min.= 3.33	1710.03096	1779.96160	1710	1780
20	V max.= 4.07	1710.03396	1779.96349	1710	1780

16QAM, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.7	1710.02693	1779.94516	1710	1780
-20		1710.02144	1779.94612	1710	1780
-10		1710.02729	1779.94552	1710	1780
0		1710.02477	1779.95188	1710	1780
10		1710.02450	1779.95164	1710	1780
20		1710.02225	1779.94120	1710	1780
30		1710.02333	1779.95116	1710	1780
40		1710.02792	1779.94156	1710	1780
50		1710.02702	1779.94672	1710	1780
20	V min.= 3.33	1710.02081	1779.94192	1710	1780
20	V max.= 4.07	1710.02144	1779.94252	1710	1780

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******