



TEST REPORT

Test item description: 4G LTE Pocket WiFi
FCC ID: 2BHDC-MF67
Trademark(s): N/A
Model/Type reference: MF67
Applicant's name: Shenzhen Zijin Technology Co., Ltd.
Address: Rm 2895, Pengrunda COMM Plaza, No.3368 Hubin Rd., YuehaiSt., Nanshan Dist., Shenzhen, Guangdong, China
Manufacturer: Shenzhen Zijin Technology Co., Ltd.
Address: Rm 2895, Pengrunda COMM Plaza, No.3368 Hubin Rd., YuehaiSt., Nanshan Dist., Shenzhen, Guangdong, China
Prepared By: Shenzhen CTB Testing Technology Co., Ltd.
Address: 1&2/F., Building A, No.26, Xinghe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date: Jan. 08, 2026
Sample tested Date: Jan. 08, 2026 to Jan. 23, 2026
Issue Date: Jan. 23, 2026
Report No.: CTB26010810102RF03
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

Compiled by:

Reviewed by:

Approved by:

Kai Chen

Kai Chen

Martin Feng

Martin FengBin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

TABLE OF CONTENT

Test Report Declaration	Page
1. VERSION.....	3
2. TEST SUMMARY	4
3. MEASUREMENT UNCERTAINTY	5
4. PRODUCT INFORMATION AND TEST SETUP	6
4.1 Product Information	6
4.2 Test Setup Configuration.....	7
4.3 Support Equipment.....	7
4.4 Test Mode	7
4.5 Test Environment	7
5. TEST FACILITY AND TEST INSTRUMENT USED	8
5.1 Test Facility	8
5.2 Test Instrument Used	8
6. RF EXPOSURE	10
6.1 Standard Applicable	10
6.2 Test Result	10
7. RF OUTPUT POWER.....	11
7.1 Standard Applicable	11
7.2 Test Procedure.....	11
7.3 Summary of Test Results/Plots	11
8. PEAK-TO-AVERAGE RATIO (PAR) OF TRANSMITTER	12
8.1 Standard Applicable	12
8.2 Test Procedure.....	12
8.3 Summary of Test Results	12
9. EMISSION BANDWIDTH	13
9.1 Standard Applicable	13
9.2 Test Procedure.....	13
9.3 Summary of Test Results/Plots	13
10. OUT OF BAND EMISSIONS AT ANTENNA TERMINAL	14
10.1 Standard Applicable	14
10.2 Test Procedure.....	14
10.3 Summary of Test Results/Plots	15
11. SPURIOUS RADIATED EMISSIONS.....	16
11.1 Standard Applicable	16
11.2 Test Procedure.....	17
11.3 Summary of Test Results/Plots	17
12. FREQUENCY STABILITY	33
12.1 Standard Applicable	33
12.2 Test Procedure.....	33
12.3 Summary of Test Results/Plots	33

(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB26010810102RF03	Jan. 23, 2026	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Test Item	Test Requirement	Test method	Result
Conducted output power	Part 2.1046(a)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 22.913(a)(5)/Part27.50(h)(2)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 22.917(a)/Part 27.53(m) (4)	KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 22.917(a)/Part 27.53(m) (4)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 22.917(a)/Part 27.53(m) (4)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product 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.

Item	Uncertainty
Occupancy bandwidth	54.3kHz
Conducted output power Above 1G	0.9dB
Conducted output power below 1G	0.9dB
Power Spectral Density , Conduction	0.9dB
Conduction spurious emissions	2.0dB
Out of band emission	2.0dB
3m camber Radiated spurious emission(30MHz-1GHz)	4.6dB
3m chamber Radiated spurious emission(1GHz-18GHz)	5.1dB
3m chamber Radiated spurious emission(18GHz-40GHz)	3.4dB
Receiver Reference Sensitivity level	1.9dB
humidity uncertainty	5.5%
Temperature uncertainty	0.63°C
frequency	1×10 ⁻⁷

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model/Type reference:	MF67
Model Description:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 2: 1850-1910MHz FDD-LTE BAND 4: 1710-1755MHz FDD-LTE BAND 5: 824-849MHz FDD-LTE BAND 12: 699-716MHz FDD-LTE BAND 66: 1710-1780MHz
Max. RF output power:	FDD-LTE BAND 2: 20.48 dBm FDD-LTE BAND 4: 20.98 dBm FDD-LTE BAND 5: 24.42 dBm FDD-LTE BAND 12: 24.33 dBm FDD-LTE BAND 66: 20.87 dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	FPC antenna
Antenna Gain:	FDD--LTE BAND 2: 2.56dBi FDD--LTE BAND 4: 1.62dBi FDD-LTE BAND 5: -1.27dBi FDD--LTE BAND 12: -1.56dBi FDD-LTE BAND 66: 1.62 dBi
Ratings:	DC 5V 1A

4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment.

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	Laptop	DELL	Vostro 5490	N/A	AE

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Test Mode

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE BAND 5	Low, Middle, High Channels
TM2	FDD-LTE BAND 7	Low, Middle, High Channels
TM3	TDD-LTE BAND 38	Low, Middle, High Channels
TM4	TDD-LTE BAND 40A	Low, Middle, High Channels
TM5	TDD-LTE BAND 40B	Low, Middle, High Channels
TM6	TDD-LTE BAND 41	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	5V
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	40

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at 1&2F., Building A, No. 26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: CN1276

5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated Date	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2025/5/23	2026/5/22
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2025/5/23	2026/5/22
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2025/5/23	2026/5/22
4	Communication test set	R&S	CMW500	108058	V3.5.80	2025/5/23	2026/5/22
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/5/23	2026/5/22
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2025/5/22	2026/5/21
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2025/5/22	2026/5/21
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2025/5/22	2026/5/21
9	2.4 GHz Filter	Shenxiang	MSF2400-2483. 5MS-1154	20181015001	/	2025/6/18	2026/6/17
10	5 GHz Filter	Shenxiang	MSF5150-5850 MS-1155	20181015001	/	2025/6/18	2026/6/17
11	Filter	Xingbo	XBLBQ-DZA120	190821-1-1	/	2025/5/24	2026/5/23
12	BT&WI-FI Automatic test software	Microwave	MTS8310	Ver. 2.0.0.0	/	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2025/10/20	2026/10/19
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/5/22	2026/5/21
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/	/	/
16	966 chamber	C.R.T.	966	/	/	2024/6/23	2027/6/22
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/5/23	2026/5/22

18	Amplifier	HP	8447E	2945A02747	/	2025/5/23	2026/5/22
19	Amplifier	Agilent	8449B	3008A01838	/	2025/6/2	2026/6/1
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2025/6/29	2026/6/28
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2025/6/1	2026/5/31
22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/2	2026/6/1
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2025/6/2	2026/6/1
26	Amplifier	AEROFLEX	Aeroflex	097	/	2025/6/2	2026/6/1
27	Power Metter	KEYSIGHT	N1912AP	N/A	A.05.00	2025/6/2	2026/6/1

6. RF EXPOSURE

6.1 Standard Applicable

According to §1.1307 and §2.1091, §2.1093, the portable transmitter must comply the RF exposure requirements.

6.2 Test Result

This product complied with the requirement of the RF exposure, please see the RF Exposure report.

7. RF OUTPUT POWER

7.1 Standard Applicable

According to §22.913(a)(2), the ERP of mobile and portable stations transmitters and auxiliary test transmitters must not exceed 7 Watts.

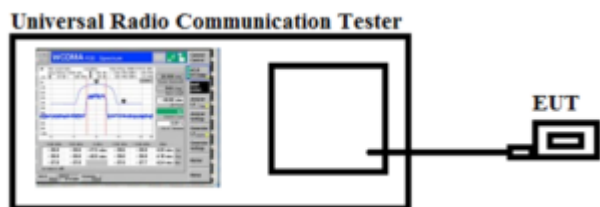
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to §27.50(d)(4), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to §27.50(c)(10), portable stations (hand-held devices) in the 698-746 MHz band are limited to 3 watts ERP.

7.2 Test Procedure

Conducted output power test method:



Radiated power test method:

1. The setup of EUT is according with per ANSI/TIA Standard 603E and ANSI C63.26 measurement procedure.
2. 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.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. 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.

7.3 Summary of Test Results/Plots

Please refer to Appendix 1: Conducted output power

Test result: Pass

8. PEAK-TO-AVERAGE RATIO (PAR) OF TRANSMITTER

8.1 Standard Applicable

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51, in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to §27.50(B), the peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal

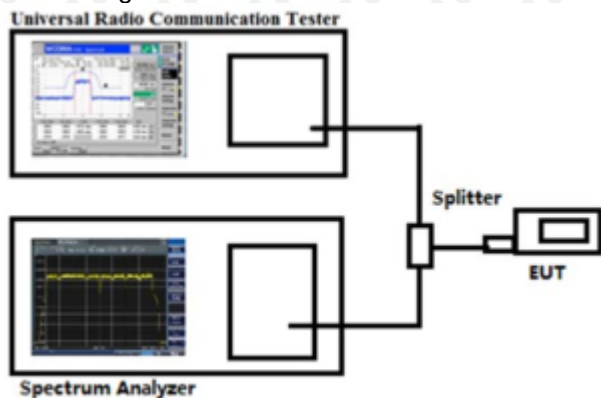
corresponding to the highest PAPR expected during periods of continuous transmission.

8.2 Test Procedure

According with KDB 971168

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Configuration for the emission bandwidth testing:



8.3 Summary of Test Results

Please refer to Appendix 3: Peak-to-Average Ratio

Test result: Pass

9. EMISSION BANDWIDTH

9.1 Standard Applicable

According to §22.917(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

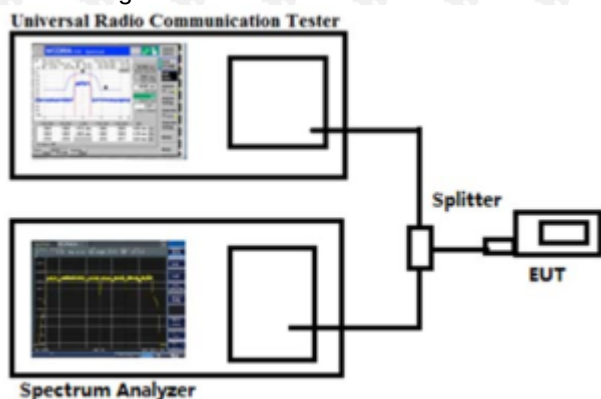
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

According to §27.53, the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

9.2 Test Procedure

According to §22.917(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test Configuration for the emission bandwidth testing:



9.3 Summary of Test Results/Plots

Please refer to Appendix 4: 26dB Bandwidth and Occupied Bandwidth

Test result: Pass

10. OUT OF BAND EMISSIONS AT ANTENNA TERMINAL

10.1 Standard Applicable

According to §22.917(a), the power of any emissions 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.

According to §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.

According to §27.53 (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;

(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.

According to §27.53 (f) 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.

According to §27.53(h), 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.

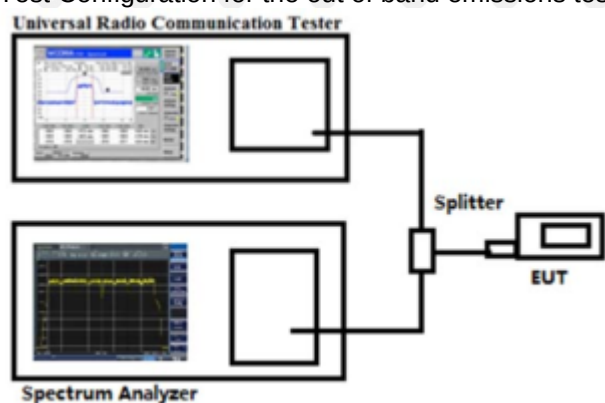
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

According to §27.53(m)(4), 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.

10.2 Test Procedure

The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 100kHz and 1MHz for the scan frequency from 30MHz to 1GHz and the scan frequency from 1GHz to up to 10 th harmonic.

Test Configuration for the out of band emissions testing:



10.3 Summary of Test Results/Plots

Please refer to Appendix 5 & 6: Band Edge & Conducted Spurious Emission

Test result: Pass

11. SPURIOUS RADIATED EMISSIONS

11.1 Standard Applicable

According to §22.917(a), the power of any emissions 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.

According to §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.

According to §27.53 (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;

(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.

According to §27.53 (f) 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.

According to §27.53(h), 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.

According to §27.53(g) 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.

11.2 Test Procedure

1. The setup of EUT is according with per ANSI/TIA-603-E and ANSI C63.4-2014 measurement procedure.
 2. 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.
 3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
 4. 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.
- Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

11.3 Summary of Test Results/Plots

- Note: 1. this EUT was tested in 3 orthogonal positions and the worst case position data was reported.
2. All test modes (different bandwidth and different modulation) are performed, but only the worst case is recorded in this report.

Test Data:
QPSK

Band 2 18607 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1270.03	158	102	-58.31	-13	-45.31	Pass	H
1712.47	143	170	-48.93	-13	-35.93	Pass	H
3996.16	141	253	-49.00	-13	-36.00	Pass	H
5906.36	150	326	-43.21	-13	-30.21	Pass	H
6497.46	144	148	-43.39	-13	-30.39	Pass	H
8061.47	156	274	-41.54	-13	-28.54	Pass	H
1224.32	141	136	-56.98	-13	-43.98	Pass	V
1437.45	142	202	-58.09	-13	-45.09	Pass	V
3449.94	152	260	-50.13	-13	-37.13	Pass	V
3821.26	144	306	-52.10	-13	-39.10	Pass	V
5795.59	147	138	-47.17	-13	-34.17	Pass	V
6464.03	141	200	-47.60	-13	-34.60	Pass	V
Band 2 18900 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1268.33	150	127	-56.90	-13	-43.90	Pass	H
1747.72	146	101	-53.77	-13	-40.77	Pass	H
3795.75	150	32	-49.22	-13	-36.22	Pass	H
5849.94	146	86	-46.86	-13	-33.86	Pass	H
6471.63	149	337	-47.66	-13	-34.66	Pass	H
7991.69	151	22	-51.27	-13	-38.27	Pass	H
1252.36	149	204	-51.11	-13	-38.11	Pass	V
1479.01	148	353	-57.77	-13	-44.77	Pass	V
3647.19	147	141	-53.02	-13	-40.02	Pass	V
3862.01	148	339	-49.20	-13	-36.20	Pass	V
5907.50	150	28	-49.31	-13	-36.31	Pass	V
6534.60	150	317	-46.68	-13	-33.68	Pass	V

Band 2 19193 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1316.17	146	98	-55.03	-13	-42.03	Pass	H
1671.52	147	75	-52.45	-13	-39.45	Pass	H
3900.87	148	97	-46.00	-13	-33.00	Pass	H
5860.84	152	76	-38.81	-13	-25.81	Pass	H
6629.61	153	236	-39.94	-13	-26.94	Pass	H
7935.61	146	108	-44.43	-13	-31.43	Pass	H
1158.49	151	183	-56.75	-13	-43.75	Pass	V
1353.84	154	67	-56.75	-13	-43.75	Pass	V
3479.78	150	225	-52.81	-13	-39.81	Pass	V
3932.09	149	326	-49.07	-13	-36.07	Pass	V
5760.99	151	227	-44.38	-13	-31.38	Pass	V
6607.98	147	175	-46.13	-13	-33.13	Pass	V

16QAM

Band 2 18607 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1341.25	146	113	-58.51	-13	-45.51	Pass	H
1765.95	146	332	-49.92	-13	-36.92	Pass	H
3877.21	146	136	-49.79	-13	-36.79	Pass	H
5984.25	147	164	-47.04	-13	-34.04	Pass	H
6475.94	145	330	-46.94	-13	-33.94	Pass	H
8052.69	151	256	-44.14	-13	-31.14	Pass	H
1167.85	145	147	-54.77	-13	-41.77	Pass	V
1517.29	145	209	-54.61	-13	-41.61	Pass	V
3611.60	145	246	-50.98	-13	-37.98	Pass	V
3965.97	154	137	-52.24	-13	-39.24	Pass	V
5929.04	153	221	-43.68	-13	-30.68	Pass	V
6576.57	145	133	-50.56	-13	-37.56	Pass	V

Band 2 18900 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1377.58	149	60	-54.17	-13	-41.45	Pass	H
1694.75	152	326	-49.50	-13	-37.85	Pass	H
3802.52	149	57	-49.65	-13	-35.2	Pass	H
5883.63	151	281	-43.51	-13	-30.39	Pass	H
6488.22	153	240	-42.39	-13	-32.24	Pass	H
8079.75	152	236	-44.61	-13	-30.22	Pass	H
1240.06	148	297	-55.57	-13	-44.9	Pass	V
1441.89	152	122	-56.26	-13	-43.63	Pass	V
3567.30	150	229	-47.94	-13	-35.94	Pass	V
3916.09	154	269	-45.70	-13	-36.01	Pass	V
5867.18	152	136	-45.40	-13	-33.75	Pass	V
6452.98	151	286	-47.79	-13	-32.41	Pass	V
Band 2 19193 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1303.98	154	173	-55.46	-13	-42.46	Pass	H
1704.08	149	265	-52.68	-13	-39.68	Pass	H
3848.48	147	64	-44.47	-13	-31.47	Pass	H
5799.52	145	358	-44.14	-13	-31.14	Pass	H
6581.30	151	210	-38.84	-13	-25.84	Pass	H
8051.99	154	2	-43.20	-13	-30.20	Pass	H
1142.42	148	180	-57.75	-13	-44.75	Pass	V
1396.37	153	15	-55.31	-13	-42.31	Pass	V
3570.92	154	155	-51.14	-13	-38.14	Pass	V
3830.21	147	101	-53.55	-13	-40.55	Pass	V
5779.22	148	33	-50.70	-13	-37.70	Pass	V
6461.96	152	341	-42.97	-13	-29.97	Pass	V

Note:

- 1) Scan from 9kHz to 40GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) Tested with all kind of bandwidth, RB Size and RB Offset, Found the 1.4MHz with full RB were the worst case; and then Only the worst case is recorded in the report.

QPSK

Band 4 19957 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1296.29	148	43	-56.39	-13	-43.39	Pass	H
1785.43	150	61	-48.59	-13	-35.59	Pass	H
3845.97	141	50	-47.42	-13	-34.42	Pass	H
5840.75	151	105	-46.10	-13	-33.10	Pass	H
6537.66	145	149	-42.06	-13	-29.06	Pass	H
7996.50	144	296	-44.63	-13	-31.63	Pass	H
1243.33	147	307	-56.62	-13	-43.62	Pass	V
1438.54	155	308	-58.60	-13	-45.60	Pass	V
3639.76	141	228	-50.33	-13	-37.33	Pass	V
3893.71	142	148	-51.46	-13	-38.46	Pass	V
5708.77	142	340	-50.04	-13	-37.04	Pass	V
6478.18	157	207	-45.11	-13	-32.11	Pass	V
Band 4 20175 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1344.58	150	335	-58.22	-13	-45.22	Pass	H
1730.60	146	208	-51.41	-13	-38.41	Pass	H
3887.27	150	351	-51.46	-13	-38.46	Pass	H
5799.06	146	164	-43.81	-13	-30.81	Pass	H
6478.40	149	168	-48.21	-13	-35.21	Pass	H
8076.39	151	123	-47.56	-13	-34.56	Pass	H
1296.41	149	267	-54.95	-13	-41.95	Pass	V
1492.63	148	11	-58.90	-13	-45.90	Pass	V
3592.67	147	180	-53.36	-13	-40.36	Pass	V
4001.33	148	255	-50.25	-13	-37.25	Pass	V
5812.64	150	130	-46.53	-13	-33.53	Pass	V
6447.71	150	125	-47.93	-13	-34.93	Pass	V

Band 4 20393 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1430.92	152	138	-57.40	-13	-44.40	Pass	H
1603.69	152	310	-53.12	-13	-40.12	Pass	H
3828.47	145	249	-46.84	-13	-33.84	Pass	H
5997.18	148	288	-41.59	-13	-28.59	Pass	H
6574.69	149	95	-44.21	-13	-31.21	Pass	H
8084.20	150	274	-47.58	-13	-34.58	Pass	H
1280.86	151	103	-59.02	-13	-46.02	Pass	V
1462.59	154	275	-57.21	-13	-44.21	Pass	V
3563.36	152	205	-54.98	-13	-41.98	Pass	V
4001.78	149	86	-46.13	-13	-33.13	Pass	V
5741.03	149	215	-40.76	-13	-27.76	Pass	V
6586.57	148	232	-46.01	-13	-33.01	Pass	V

16QAM

Band 4 19957 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1301.24	148	168	-59.99	-13	-46.99	Pass	H
1655.63	149	140	-49.27	-13	-36.27	Pass	H
3818.59	153	160	-45.98	-13	-32.98	Pass	H
5873.87	147	324	-42.50	-13	-29.50	Pass	H
6576.99	151	113	-42.96	-13	-29.96	Pass	H
8009.79	145	176	-41.27	-13	-28.27	Pass	H
1262.57	152	358	-51.33	-13	-38.33	Pass	V
1410.08	148	343	-56.43	-13	-43.43	Pass	V
3545.22	146	294	-52.11	-13	-39.11	Pass	V
3851.32	152	203	-53.84	-13	-40.84	Pass	V
5834.44	151	242	-46.38	-13	-33.38	Pass	V
6656.90	147	174	-47.36	-13	-34.36	Pass	V

Band 4 20175 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1431.48	149	151	-53.06	-13	-41.45	Pass	H
1799.20	153	293	-53.22	-13	-37.85	Pass	H
3841.65	151	291	-50.57	-13	-35.2	Pass	H
5871.81	149	181	-41.06	-13	-30.39	Pass	H
6560.97	150	121	-45.95	-13	-32.24	Pass	H
8085.32	151	201	-41.18	-13	-30.22	Pass	H
1291.25	152	81	-55.96	-13	-44.9	Pass	V
1300.38	145	298	-54.23	-13	-43.63	Pass	V
3623.51	150	273	-47.32	-13	-35.94	Pass	V
3917.09	153	124	-48.83	-13	-36.01	Pass	V
5915.39	151	303	-46.14	-13	-33.75	Pass	V
6453.09	148	17	-44.27	-13	-32.41	Pass	V
Band 4 20393 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1349.86	147	170	-53.37	-13	-40.37	Pass	H
1766.70	149	15	-48.58	-13	-35.58	Pass	H
3862.49	147	250	-40.83	-13	-27.83	Pass	H
5794.08	149	338	-45.01	-13	-32.01	Pass	H
6553.94	148	254	-41.66	-13	-28.66	Pass	H
8099.29	146	87	-47.77	-13	-34.77	Pass	H
1249.65	147	294	-52.32	-13	-39.32	Pass	V
1429.34	147	222	-55.54	-13	-42.54	Pass	V
3498.83	146	319	-52.39	-13	-39.39	Pass	V
3769.92	154	302	-53.15	-13	-40.15	Pass	V
5900.00	151	123	-51.31	-13	-38.31	Pass	V
6608.23	154	351	-48.40	-13	-35.40	Pass	V

Note:

3) Scan from 9kHz to 40GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

4) Tested with all kind of bandwidth, RB Size and RB Offset, Found the 1.4MHz with full RB were the worst case; and then Only the worst case is recorded in the report.

QPSK

Band 5 20407 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1254.71	147	31	-57.28	-13	-44.28	Pass	H
1675.65	153	108	-50.06	-13	-37.06	Pass	H
3942.10	140	146	-45.75	-13	-32.75	Pass	H
5816.06	159	73	-44.99	-13	-31.99	Pass	H
6608.00	144	196	-42.42	-13	-29.42	Pass	H
7986.60	144	155	-43.99	-13	-30.99	Pass	H
1246.67	141	310	-55.96	-13	-42.96	Pass	V
1516.13	155	207	-56.70	-13	-43.70	Pass	V
3528.93	151	110	-50.59	-13	-37.59	Pass	V
3745.55	155	163	-52.07	-13	-39.07	Pass	V
5832.77	158	293	-48.54	-13	-35.54	Pass	V
6629.96	159	349	-49.25	-13	-36.25	Pass	V

Band 5 20525 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1212.40	150	41	-59.12	-13	-46.12	Pass	H
1651.13	146	209	-54.63	-13	-41.63	Pass	H
3858.79	150	220	-52.72	-13	-39.72	Pass	H
5800.04	146	183	-46.86	-13	-33.86	Pass	H
6555.97	149	192	-49.80	-13	-36.80	Pass	H
8102.61	151	344	-50.06	-13	-37.06	Pass	H
1190.42	149	54	-54.54	-13	-41.54	Pass	V
1447.26	148	107	-58.31	-13	-45.31	Pass	V
3515.95	147	345	-55.80	-13	-42.80	Pass	V
3946.57	148	95	-53.69	-13	-40.69	Pass	V
5882.97	150	244	-49.15	-13	-36.15	Pass	V
6582.66	150	175	-48.75	-13	-35.75	Pass	V

Band 5 20643 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1304.38	147	253	-54.22	-13	-41.22	Pass	H
1619.40	153	98	-49.38	-13	-36.38	Pass	H
3776.79	148	149	-42.86	-13	-29.86	Pass	H
5939.89	153	187	-40.67	-13	-27.67	Pass	H
6441.50	152	158	-43.81	-13	-30.81	Pass	H
8046.13	150	57	-41.99	-13	-28.99	Pass	H
1251.74	155	207	-58.99	-13	-45.99	Pass	V
1366.40	150	328	-55.34	-13	-42.34	Pass	V
3624.83	146	331	-53.09	-13	-40.09	Pass	V
3864.12	150	150	-50.35	-13	-37.35	Pass	V
5887.65	149	68	-45.69	-13	-32.69	Pass	V
6586.95	149	242	-48.16	-13	-35.16	Pass	V

16QAM

Band 5 20407 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1278.85	152	251	-59.45	-13	-46.45	Pass	H
1739.13	152	109	-46.02	-13	-33.02	Pass	H
3956.04	147	272	-46.36	-13	-33.36	Pass	H
6016.97	153	118	-43.26	-13	-30.26	Pass	H
6492.82	155	316	-46.09	-13	-33.09	Pass	H
8011.75	148	327	-42.25	-13	-29.25	Pass	H
1090.16	146	324	-55.20	-13	-42.20	Pass	V
1398.97	149	113	-56.36	-13	-43.36	Pass	V
3644.73	153	80	-50.68	-13	-37.68	Pass	V
3911.23	152	6	-49.97	-13	-36.97	Pass	V
5922.28	155	150	-45.59	-13	-32.59	Pass	V
6625.25	154	196	-46.60	-13	-33.60	Pass	V

Band 5 20525 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1350.72	146	51	-52.01	-13	-41.45	Pass	H
1730.08	146	157	-49.02	-13	-37.85	Pass	H
3930.58	147	346	-49.25	-13	-35.2	Pass	H
5872.65	154	215	-45.23	-13	-30.39	Pass	H
6551.88	147	100	-45.41	-13	-32.24	Pass	H
7993.36	146	161	-44.51	-13	-30.22	Pass	H
1260.55	146	254	-60.52	-13	-44.9	Pass	V
1313.40	149	1	-54.55	-13	-43.63	Pass	V
3603.19	146	275	-46.43	-13	-35.94	Pass	V
3885.18	151	276	-46.87	-13	-36.01	Pass	V
5767.59	153	164	-46.02	-13	-33.75	Pass	V
6440.57	151	74	-45.53	-13	-32.41	Pass	V

Band 5 20643 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1271.55	155	220	-57.25	-13	-44.25	Pass	H
1621.43	147	352	-47.38	-13	-34.38	Pass	H
3854.92	148	358	-43.62	-13	-30.62	Pass	H
5925.58	155	27	-44.38	-13	-31.38	Pass	H
6606.75	155	276	-44.01	-13	-31.01	Pass	H
8032.51	149	156	-48.50	-13	-35.50	Pass	H
1164.78	153	25	-53.51	-13	-40.51	Pass	V
1379.59	149	148	-56.11	-13	-43.11	Pass	V
3564.60	152	89	-46.83	-13	-33.83	Pass	V
3791.69	154	12	-48.62	-13	-35.62	Pass	V
5840.32	148	297	-45.83	-13	-32.83	Pass	V
6519.86	146	32	-44.43	-13	-31.43	Pass	V

Note:

5) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

6) Tested with all kind of bandwidth, RB Size and RB Offset, Found the 1.4MHz with full RB were the worst case; and then Only the worst case is recorded in the report.

QPSK

Band 12 23017 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1278.52	147	221	-57.03	-13	-44.03	Pass	H
1767.62	145	290	-49.91	-13	-36.91	Pass	H
3948.57	145	110	-47.78	-13	-34.78	Pass	H
5923.34	140	229	-46.04	-13	-33.04	Pass	H
6507.58	152	150	-45.75	-13	-32.75	Pass	H
8169.17	154	42	-41.07	-13	-28.07	Pass	H
1212.16	144	35	-53.41	-13	-40.41	Pass	V
1370.18	144	25	-60.33	-13	-47.33	Pass	V
3615.87	158	189	-50.41	-13	-37.41	Pass	V
3914.92	156	234	-49.27	-13	-36.27	Pass	V
5836.76	143	160	-49.85	-13	-36.85	Pass	V
6546.21	141	59	-45.05	-13	-32.05	Pass	V
Band 12 23095 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1381.48	150	306	-58.58	-13	-45.58	Pass	H
1764.15	146	37	-53.03	-13	-40.03	Pass	H
3937.16	150	17	-52.33	-13	-39.33	Pass	H
5829.96	146	20	-47.12	-13	-34.12	Pass	H
6496.05	149	207	-48.09	-13	-35.09	Pass	H
8029.60	151	356	-47.75	-13	-34.75	Pass	H
1177.86	149	97	-54.20	-13	-41.20	Pass	V
1491.36	148	253	-56.50	-13	-43.50	Pass	V
3654.57	147	124	-56.19	-13	-43.19	Pass	V
3861.36	148	71	-49.10	-13	-36.10	Pass	V
5805.60	150	7	-48.05	-13	-35.05	Pass	V
6609.12	150	256	-48.85	-13	-35.85	Pass	V

Band 12 23173 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1368.41	148	161	-57.70	-13	-44.70	Pass	H
1648.77	149	227	-50.66	-13	-37.66	Pass	H
3837.05	147	10	-45.38	-13	-32.38	Pass	H
5979.00	149	269	-43.63	-13	-30.63	Pass	H
6519.92	149	162	-41.01	-13	-28.01	Pass	H
8095.75	154	71	-43.47	-13	-30.47	Pass	H
1200.74	150	239	-55.79	-13	-42.79	Pass	V
1496.81	151	119	-59.78	-13	-46.78	Pass	V
3467.65	150	108	-52.19	-13	-39.19	Pass	V
3879.26	146	357	-46.27	-13	-33.27	Pass	V
5790.87	152	333	-40.85	-13	-27.85	Pass	V
6548.51	151	189	-46.42	-13	-33.42	Pass	V

16QAM

Band 12 23017 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1373.00	154	277	-56.64	-13	-43.64	Pass	H
1743.78	146	38	-47.66	-13	-34.66	Pass	H
3798.22	147	345	-51.62	-13	-38.62	Pass	H
5920.59	153	324	-42.42	-13	-29.42	Pass	H
6581.91	150	251	-44.62	-13	-31.62	Pass	H
7920.37	148	261	-43.01	-13	-30.01	Pass	H
1206.87	155	197	-50.38	-13	-37.38	Pass	V
1385.58	154	200	-54.55	-13	-41.55	Pass	V
3553.62	148	286	-52.31	-13	-39.31	Pass	V
3897.49	150	136	-50.37	-13	-37.37	Pass	V
5941.27	150	289	-46.98	-13	-33.98	Pass	V
6491.47	150	153	-50.94	-13	-37.94	Pass	V

Band 12 23095 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1418.46	146	57	-54.89	-13	-41.89	Pass	H
1709.34	148	339	-47.12	-13	-34.12	Pass	H
3914.43	154	269	-52.50	-13	-39.50	Pass	H
6024.31	146	267	-42.82	-13	-29.82	Pass	H
6460.18	152	8	-43.26	-13	-30.26	Pass	H
8017.39	153	146	-38.22	-13	-25.22	Pass	H
1217.95	154	312	-50.56	-13	-37.56	Pass	V
1356.99	147	51	-58.78	-13	-45.78	Pass	V
3601.03	154	346	-47.91	-13	-34.91	Pass	V
3879.95	149	229	-53.51	-13	-40.51	Pass	V
5784.44	150	236	-44.07	-13	-31.07	Pass	V
6514.84	151	177	-46.46	-13	-33.46	Pass	V
Band 12 23173 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1237.96	147	332	-53.71	-13	-40.71	Pass	H
1752.80	148	97	-46.80	-13	-33.80	Pass	H
3821.49	147	77	-48.01	-13	-35.01	Pass	H
5914.12	150	103	-42.21	-13	-29.21	Pass	H
6596.50	146	343	-42.65	-13	-29.65	Pass	H
8078.94	146	39	-43.03	-13	-30.03	Pass	H
1161.06	154	80	-59.69	-13	-46.69	Pass	V
1418.07	147	219	-60.31	-13	-47.31	Pass	V
3516.21	148	36	-44.86	-13	-31.86	Pass	V
3942.44	150	113	-48.15	-13	-35.15	Pass	V
5901.96	151	79	-44.29	-13	-31.29	Pass	V
6478.48	149	31	-45.55	-13	-32.55	Pass	V

Note:

7) Scan from 9kHz to 40GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

8) Tested with all kind of bandwidth, RB Size and RB Offset, Found the 1.4MHz with full RB were the worst case; and then Only the worst case is recorded in the report.

QPSK

Band 66 131979 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1342.90	146	58	-59.79	-13	-46.79	Pass	H
1756.75	144	74	-49.15	-13	-36.15	Pass	H
3830.85	148	10	-45.51	-13	-32.51	Pass	H
5947.99	157	268	-43.53	-13	-30.53	Pass	H
6411.34	155	225	-44.75	-13	-31.75	Pass	H
8145.70	143	323	-40.86	-13	-27.86	Pass	H
1187.74	148	96	-55.09	-13	-42.09	Pass	V
1487.80	154	339	-55.65	-13	-42.65	Pass	V
3603.09	156	50	-48.00	-13	-35.00	Pass	V
3862.13	157	27	-49.86	-13	-36.86	Pass	V
5831.60	150	61	-46.09	-13	-33.09	Pass	V
6634.75	142	2	-46.98	-13	-33.98	Pass	V
Band 66 132322 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1238.51	150	357	-58.00	-13	-45.00	Pass	H
1624.31	146	314	-53.60	-13	-40.60	Pass	H
3895.26	150	28	-51.39	-13	-38.39	Pass	H
5895.05	146	270	-44.31	-13	-31.31	Pass	H
6464.69	149	161	-48.14	-13	-35.14	Pass	H
7921.25	151	148	-48.18	-13	-35.18	Pass	H
1293.19	149	170	-53.54	-13	-40.54	Pass	V
1454.08	148	184	-61.20	-13	-48.20	Pass	V
3686.20	147	4	-56.53	-13	-43.53	Pass	V
3859.78	148	56	-52.98	-13	-39.98	Pass	V
5771.82	150	242	-51.40	-13	-38.40	Pass	V
6522.29	150	18	-46.54	-13	-33.54	Pass	V

Band 66 132665 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1342.84	147	165	-56.96	-13	-43.96	Pass	H
1751.25	145	257	-49.27	-13	-36.27	Pass	H
3941.08	151	237	-42.96	-13	-29.96	Pass	H
6005.99	148	265	-40.62	-13	-27.62	Pass	H
6454.81	150	4	-40.69	-13	-27.69	Pass	H
8056.52	152	130	-46.01	-13	-33.01	Pass	H
1348.62	149	136	-58.77	-13	-45.77	Pass	V
1482.81	154	277	-56.10	-13	-43.10	Pass	V
3509.40	154	117	-55.14	-13	-42.14	Pass	V
4007.45	149	88	-50.87	-13	-37.87	Pass	V
5829.06	147	172	-41.10	-13	-28.10	Pass	V
6495.81	149	308	-46.40	-13	-33.40	Pass	V

16QAM

Band 66 131979 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1410.69	145	183	-60.70	-13	-47.70	Pass	H
1710.15	150	164	-46.95	-13	-33.95	Pass	H
3913.84	152	142	-47.44	-13	-34.44	Pass	H
6002.81	150	279	-46.65	-13	-33.65	Pass	H
6502.06	145	36	-41.52	-13	-28.52	Pass	H
7946.41	153	338	-42.48	-13	-29.48	Pass	H
1183.65	148	194	-52.08	-13	-39.08	Pass	V
1477.52	151	219	-54.26	-13	-41.26	Pass	V
3540.33	152	15	-50.95	-13	-37.95	Pass	V
3879.00	147	275	-50.93	-13	-37.93	Pass	V
5941.19	147	41	-46.63	-13	-33.63	Pass	V
6673.33	152	116	-48.21	-13	-35.21	Pass	V

Band 66 132322 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1291.95	150	142	-52.98	-13	-41.45	Pass	H
1714.58	145	295	-52.33	-13	-37.85	Pass	H
3767.77	146	139	-49.36	-13	-35.2	Pass	H
5939.26	151	188	-39.93	-13	-30.39	Pass	H
6581.62	146	258	-44.04	-13	-32.24	Pass	H
8068.62	147	279	-46.06	-13	-30.22	Pass	H
1168.71	150	83	-60.25	-13	-44.9	Pass	V
1468.09	146	339	-55.39	-13	-43.63	Pass	V
3537.57	146	120	-49.07	-13	-35.94	Pass	V
3799.60	145	183	-50.31	-13	-36.01	Pass	V
5785.84	154	273	-48.96	-13	-33.75	Pass	V
6559.02	155	19	-41.69	-13	-32.41	Pass	V
Band 66 132665 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1303.12	151	185	-52.49	-13	-39.49	Pass	H
1616.79	151	3	-49.78	-13	-36.78	Pass	H
3911.82	154	222	-46.35	-13	-33.35	Pass	H
5802.09	148	170	-44.14	-13	-31.14	Pass	H
6462.01	145	93	-42.64	-13	-29.64	Pass	H
8102.86	145	103	-45.42	-13	-32.42	Pass	H
1132.74	154	175	-58.51	-13	-45.51	Pass	V
1382.83	148	122	-60.64	-13	-47.64	Pass	V
3492.19	155	74	-48.62	-13	-35.62	Pass	V
3774.14	153	306	-49.65	-13	-36.65	Pass	V
5857.97	153	303	-46.82	-13	-33.82	Pass	V
6573.37	146	344	-46.73	-13	-33.73	Pass	V

Note:

9) Scan from 9kHz to 40GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

10) Tested with all kind of bandwidth, RB Size and RB Offset, Found the 1.4MHz with full RB were the worst case; and then Only the worst case is recorded in the report.

12. FREQUENCY STABILITY

12.1 Standard Applicable

According to §22.355, §24.235, §27.54 the limit is 2.5ppm.

12.2 Test Procedure

According to §2.1055, the following test procedure was performed.

The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.

The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode

12.3 Summary of Test Results/Plots

Note: 1.Normal Voltage NV=DC 5V; Low Voltage LV=DC 4.5V; High Voltage HV=DC 5.5V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

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