



TEST REPORT

Product Name: Mobile Data Terminal
FCC ID: 2BTRU-F1
Trademark: N/A
Model Number: F1, F1-BJ, F1A, F1B, F1-Pro
Prepared For: Shenzhen Hande IoT Technology Co., Ltd
Address: 702-3, Building 5, Gonglian Fuji Innovation Park, No. 58 Ping'an Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen
Manufacturer: Shenzhen Hande IoT Technology Co., Ltd
Address: 702-3, Building 5, Gonglian Fuji Innovation Park, No. 58 Ping'an Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen
Prepared By: Shenzhen CTB Testing Technology Co., Ltd.
Address: 1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date: Sep. 30, 2025
Sample tested Date: Sep. 30, 2025 to Nov. 19, 2025
Issue Date: Nov. 19, 2025
Report No.: CTB25093006601RF07
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

Compiled by:

Reviewed by:

Approved by:

Zhou kui

Arron Liu

Bin Mei

Zhou KuiArron LiuBin 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	42
12.1 Standard Applicable	42
12.2 Test Procedure.....	42
12.3 Summary of Test Results/Plots	42

(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB25093006601RF07	Nov. 19, 2025	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(s):	F1, F1-BJ, F1A, F1B, F1-Pro
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model:F1
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 7: 2500-2570MHz FDD-LTE BAND 17: 704-716MHz TDD-LTE BAND 38: 2570-2620MHz TDD-LTE BAND 40A: 2305-2315MHz TDD-LTE BAND 40B: 2350-2360MHz TDD-LTE BAND 41: 2496-2690 MHz
Max. RF output power:	FDD-LTE BAND 2: 22.48dBm FDD-LTE BAND 4: 21.75dBm FDD-LTE BAND 7: 22.42dBm FDD-LTE BAND 17: 23.29dBm TDD-LTE BAND 38: 22.36dBm TDD-LTE BAND 40A: 22.72dBm TDD-LTE BAND 40B: 22.4dBm TDD-LTE BAND 41: 23.19dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	FPC antenna
Antenna Gain:	FDD-LTE BAND 2: 1.92dBi FDD-LTE BAND 4: 1.6dBi FDD-LTE BAND 7: 1.28dBi FDD-LTE BAND 17: -2.3dBi TDD-LTE BAND 38: 0.76dBi TDD-LTE BAND 40A: 0.86dBi TDD-LTE BAND 40B: 0.92dBi TDD-LTE BAND 41: 1.28dBi
Ratings:	Input: 5V=2A DC 3.85V by battery

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

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 2	Low, Middle, High Channels
TM2	FDD-LTE BAND 4	Low, Middle, High Channels
TM3	FDD-LTE BAND 7	Low, Middle, High Channels
TM4	FDD-LTE BAND 17	Low, Middle, High Channels
TM5	TDD-LTE BAND 38	Low, Middle, High Channels
TM6	TDD-LTE BAND 40A	Low, Middle, High Channels
TM7	TDD-LTE BAND 40B	Low, Middle, High Channels
TM8	TDD-LTE BAND 41	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	3.85V
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.

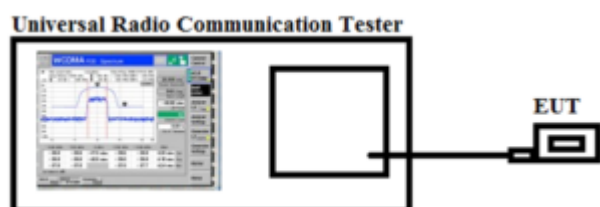
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

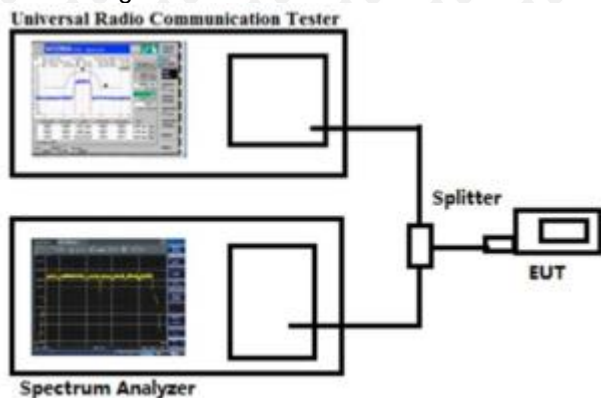
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

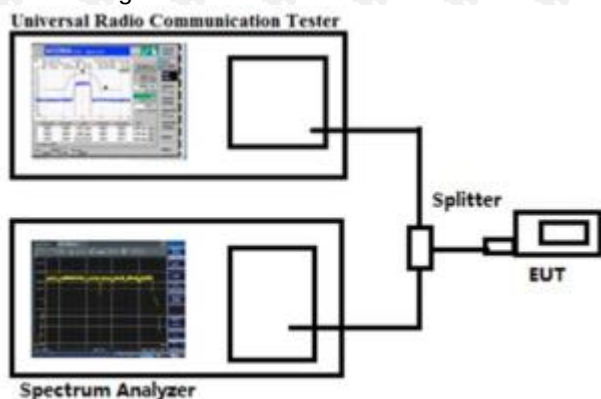
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

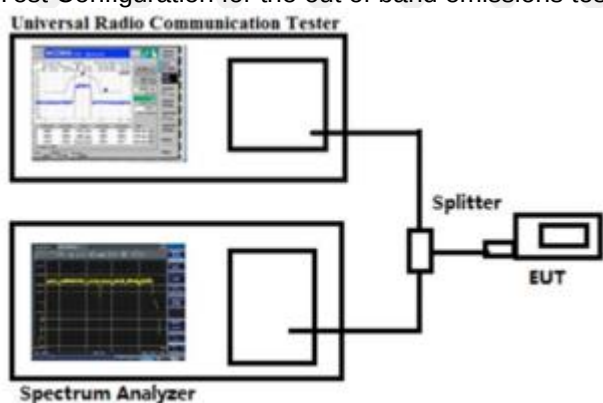
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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 $43 + 10 \log_{10}(P)$ 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.
1383.88	154	27	-58.65	-13	-45.65	Pass	H
1760.55	147	128	-46.70	-13	-33.70	Pass	H
3944.75	149	8	-45.42	-13	-32.42	Pass	H
5881.04	159	227	-46.85	-13	-33.85	Pass	H
6568.02	147	351	-43.26	-13	-30.26	Pass	H
8131.33	159	172	-43.14	-13	-30.14	Pass	H
1131.71	157	284	-54.20	-13	-41.20	Pass	V
1490.13	141	65	-60.04	-13	-47.04	Pass	V
3544.66	140	163	-51.34	-13	-38.34	Pass	V
3826.20	154	207	-52.12	-13	-39.12	Pass	V
5796.10	155	204	-47.53	-13	-34.53	Pass	V
6630.55	150	117	-48.12	-13	-35.12	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.
1385.13	143	345	-57.97	-13	-44.97	Pass	H
1683.06	150	70	-50.05	-13	-37.05	Pass	H
3890.39	148	71	-47.47	-13	-34.47	Pass	H
5927.15	146	339	-45.35	-13	-32.35	Pass	H
6541.50	140	259	-45.63	-13	-32.63	Pass	H
8166.58	150	50	-42.52	-13	-29.52	Pass	H
1128.57	150	287	-55.61	-13	-42.61	Pass	V
1526.69	151	92	-55.87	-13	-42.87	Pass	V
3616.26	157	355	-50.34	-13	-37.34	Pass	V
3765.00	143	21	-52.57	-13	-39.57	Pass	V
5760.32	156	142	-49.93	-13	-36.93	Pass	V
6540.05	159	67	-46.18	-13	-33.18	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.
1365.08	158	350	-55.05	-13	-42.05	Pass	H
1618.87	153	250	-48.61	-13	-35.61	Pass	H
3889.49	140	325	-46.36	-13	-33.36	Pass	H
5861.83	156	249	-44.25	-13	-31.25	Pass	H
6477.59	157	336	-45.59	-13	-32.59	Pass	H
8124.27	145	257	-44.95	-13	-31.95	Pass	H
1137.12	148	202	-55.67	-13	-42.67	Pass	V
1558.59	152	0	-56.58	-13	-43.58	Pass	V
3542.41	148	336	-52.27	-13	-39.27	Pass	V
3794.66	149	81	-52.42	-13	-39.42	Pass	V
5757.69	149	176	-47.15	-13	-34.15	Pass	V
6568.62	158	217	-45.78	-13	-32.78	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.
1418.36	157	337	-58.20	-13	-45.20	Pass	H
1624.71	155	54	-47.94	-13	-34.94	Pass	H
3952.33	157	57	-48.99	-13	-35.99	Pass	H
5838.32	148	241	-45.56	-13	-32.56	Pass	H
6578.18	154	3	-42.61	-13	-29.61	Pass	H
8087.60	153	140	-40.85	-13	-27.85	Pass	H
1176.72	148	333	-52.36	-13	-39.36	Pass	V
1455.32	141	195	-55.89	-13	-42.89	Pass	V
3554.39	154	123	-50.71	-13	-37.71	Pass	V
3728.41	151	164	-51.23	-13	-38.23	Pass	V
5865.36	154	324	-48.34	-13	-35.34	Pass	V
6566.19	143	210	-47.19	-13	-34.19	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.
1383.31	153	22	-57.78	-13	-44.78	Pass	H
1742.84	140	278	-50.24	-13	-37.24	Pass	H
3826.99	150	93	-45.10	-13	-32.10	Pass	H
5801.58	150	167	-42.12	-13	-29.12	Pass	H
6507.10	152	186	-44.26	-13	-31.26	Pass	H
8065.62	155	51	-45.02	-13	-32.02	Pass	H
1239.07	150	269	-53.76	-13	-40.76	Pass	V
1512.01	155	129	-55.78	-13	-42.78	Pass	V
3575.08	146	206	-52.75	-13	-39.75	Pass	V
3795.30	147	113	-52.01	-13	-39.01	Pass	V
5860.90	159	343	-46.65	-13	-33.65	Pass	V
6483.85	156	39	-45.19	-13	-32.19	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.
1366.03	155	341	-57.71	-13	-44.71	Pass	H
1723.93	147	347	-47.51	-13	-34.51	Pass	H
3824.65	154	311	-48.18	-13	-35.18	Pass	H
5866.09	157	179	-46.04	-13	-33.04	Pass	H
6551.64	156	324	-44.21	-13	-31.21	Pass	H
8112.41	143	296	-40.86	-13	-27.86	Pass	H
1263.60	156	157	-52.86	-13	-39.86	Pass	V
1415.89	153	297	-59.32	-13	-46.32	Pass	V
3566.77	154	270	-50.29	-13	-37.29	Pass	V
3758.75	142	235	-50.07	-13	-37.07	Pass	V
5861.60	149	68	-49.59	-13	-36.59	Pass	V
6508.91	149	84	-46.63	-13	-33.63	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.
1407.04	148	312	-58.93	-13	-45.93	Pass	H
1608.26	141	236	-49.77	-13	-36.77	Pass	H
3931.00	146	288	-45.38	-13	-32.38	Pass	H
5979.12	143	147	-43.63	-13	-30.63	Pass	H
6480.17	142	13	-45.17	-13	-32.17	Pass	H
8059.91	157	327	-44.46	-13	-31.46	Pass	H
1248.73	155	355	-54.68	-13	-41.68	Pass	V
1539.39	146	25	-56.49	-13	-43.49	Pass	V
3596.82	160	297	-52.07	-13	-39.07	Pass	V
3803.89	143	135	-53.51	-13	-40.51	Pass	V
5843.43	145	137	-49.63	-13	-36.63	Pass	V
6571.53	151	327	-44.59	-13	-31.59	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.
1429.04	143	167	-56.48	-13	-43.48	Pass	H
1793.60	154	189	-46.78	-13	-33.78	Pass	H
3906.63	145	117	-47.14	-13	-34.14	Pass	H
5819.22	147	45	-44.15	-13	-31.15	Pass	H
6491.19	149	180	-43.93	-13	-30.93	Pass	H
8027.53	145	78	-44.44	-13	-31.44	Pass	H
1110.90	151	313	-55.83	-13	-42.83	Pass	V
1538.40	160	241	-59.09	-13	-46.09	Pass	V
3630.78	141	125	-52.17	-13	-39.17	Pass	V
3775.92	154	301	-50.54	-13	-37.54	Pass	V
5850.87	148	91	-49.17	-13	-36.17	Pass	V
6574.18	148	218	-45.62	-13	-32.62	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.
1244.96	153	331	-57.22	-13	-44.22	Pass	H
1664.88	147	22	-50.05	-13	-37.05	Pass	H
3850.32	158	9	-49.18	-13	-36.18	Pass	H
5969.88	153	244	-45.35	-13	-32.35	Pass	H
6428.29	151	62	-44.79	-13	-31.79	Pass	H
8054.55	145	295	-42.45	-13	-29.45	Pass	H
1118.05	158	342	-56.65	-13	-43.65	Pass	V
1435.67	157	58	-60.11	-13	-47.11	Pass	V
3570.13	143	115	-51.18	-13	-38.18	Pass	V
3877.49	147	326	-52.77	-13	-39.77	Pass	V
5749.44	147	111	-47.67	-13	-34.67	Pass	V
6559.42	150	177	-46.32	-13	-33.32	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.
1266.37	143	299	-59.41	-13	-46.41	Pass	H
1603.79	152	31	-51.02	-13	-38.02	Pass	H
3829.20	155	27	-48.35	-13	-35.35	Pass	H
5904.70	142	203	-45.22	-13	-32.22	Pass	H
6449.00	143	97	-45.04	-13	-32.04	Pass	H
8164.08	148	288	-44.35	-13	-31.35	Pass	H
1189.23	148	304	-55.72	-13	-42.72	Pass	V
1372.13	157	264	-59.32	-13	-46.32	Pass	V
3527.02	158	58	-49.48	-13	-36.48	Pass	V
3741.37	152	115	-50.30	-13	-37.30	Pass	V
5782.70	158	97	-47.99	-13	-34.99	Pass	V
6526.00	142	215	-49.46	-13	-36.46	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.
1276.08	155	32	-56.47	-13	-43.47	Pass	H
1699.14	146	33	-46.74	-13	-33.74	Pass	H
3905.78	151	7	-46.07	-13	-33.07	Pass	H
5838.57	159	118	-45.46	-13	-32.46	Pass	H
6479.27	150	321	-45.20	-13	-32.20	Pass	H
8151.01	157	257	-42.75	-13	-29.75	Pass	H
1193.55	158	95	-55.70	-13	-42.70	Pass	V
1520.80	146	80	-55.78	-13	-42.78	Pass	V
3531.99	153	159	-51.03	-13	-38.03	Pass	V
3792.07	144	292	-49.16	-13	-36.16	Pass	V
5773.21	153	277	-48.68	-13	-35.68	Pass	V
6519.94	148	198	-46.74	-13	-33.74	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.
1301.30	143	60	-56.97	-13	-43.97	Pass	H
1713.32	147	51	-48.56	-13	-35.56	Pass	H
3807.84	159	76	-47.63	-13	-34.63	Pass	H
5890.88	140	69	-44.78	-13	-31.78	Pass	H
6577.67	141	311	-45.49	-13	-32.49	Pass	H
8126.47	140	190	-43.25	-13	-30.25	Pass	H
1124.28	149	227	-55.99	-13	-42.99	Pass	V
1526.01	142	2	-60.32	-13	-47.32	Pass	V
3615.17	141	203	-51.41	-13	-38.41	Pass	V
3909.61	145	189	-53.84	-13	-40.84	Pass	V
5846.07	157	351	-47.66	-13	-34.66	Pass	V
6606.04	152	304	-49.35	-13	-36.35	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 7 20775 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1287.35	154	114	-57.19	-13	-44.19	Pass	H
1778.99	155	234	-46.58	-13	-33.58	Pass	H
3986.84	148	312	-44.93	-13	-31.93	Pass	H
5861.66	144	99	-43.09	-13	-30.09	Pass	H
6431.03	145	167	-45.12	-13	-32.12	Pass	H
8137.21	159	295	-45.29	-13	-32.29	Pass	H
1144.23	144	16	-52.84	-13	-39.84	Pass	V
1462.52	157	301	-58.61	-13	-45.61	Pass	V
3625.65	156	152	-50.74	-13	-37.74	Pass	V
3918.36	157	55	-53.58	-13	-40.58	Pass	V
5852.20	148	275	-48.09	-13	-35.09	Pass	V
6503.09	157	55	-45.81	-13	-32.81	Pass	V

Band 7 21100 channel/BW 5 (middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1351.02	142	66	-55.70	-13	-42.70	Pass	H
1788.98	141	87	-47.62	-13	-34.62	Pass	H
3931.79	151	77	-47.51	-13	-34.51	Pass	H
5921.42	144	346	-44.99	-13	-31.99	Pass	H
6544.94	151	185	-41.54	-13	-28.54	Pass	H
7990.75	159	142	-41.39	-13	-28.39	Pass	H
1210.14	149	253	-55.00	-13	-42.00	Pass	V
1475.70	146	20	-55.99	-13	-42.99	Pass	V
3502.60	141	270	-52.29	-13	-39.29	Pass	V
3905.97	157	323	-52.33	-13	-39.33	Pass	V
5853.93	151	307	-49.15	-13	-36.15	Pass	V
6506.85	145	14	-48.08	-13	-35.08	Pass	V

Band 7 21425 channel/BW 5 (highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1419.07	152	117	-59.42	-13	-46.42	Pass	H
1772.21	148	60	-46.91	-13	-33.91	Pass	H
3838.31	154	333	-45.83	-13	-32.83	Pass	H
5946.28	148	245	-45.42	-13	-32.42	Pass	H
6446.73	151	278	-42.16	-13	-29.16	Pass	H
8119.23	158	12	-43.20	-13	-30.20	Pass	H
1188.28	145	336	-53.95	-13	-40.95	Pass	V
1470.64	150	265	-58.55	-13	-45.55	Pass	V
3562.34	143	297	-49.31	-13	-36.31	Pass	V
3863.30	151	160	-50.16	-13	-37.16	Pass	V
5827.82	152	334	-49.83	-13	-36.83	Pass	V
6636.79	157	58	-45.78	-13	-32.78	Pass	V

16QAM

Band 7 20775 channel/BW 5 (lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1325.81	146	228	-57.40	-13	-44.40	Pass	H
1741.35	152	293	-48.45	-13	-35.45	Pass	H
3834.57	143	207	-46.16	-13	-33.16	Pass	H
5939.25	150	14	-45.97	-13	-32.97	Pass	H
6595.51	143	348	-42.16	-13	-29.16	Pass	H
8101.85	142	223	-42.64	-13	-29.64	Pass	H
1147.08	153	189	-55.03	-13	-42.03	Pass	V
1433.21	144	233	-55.59	-13	-42.59	Pass	V
3486.83	149	211	-52.89	-13	-39.89	Pass	V
3759.44	152	168	-50.63	-13	-37.63	Pass	V
5821.68	140	337	-50.84	-13	-37.84	Pass	V
6585.09	146	349	-48.06	-13	-35.06	Pass	V

Band 7 21100 channel/BW 5 (middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1323.56	151	56	-56.76	-13	-43.76	Pass	H
1715.98	149	205	-51.11	-13	-38.11	Pass	H
3990.51	158	135	-46.40	-13	-33.40	Pass	H
5916.64	151	166	-44.93	-13	-31.93	Pass	H
6448.32	146	14	-42.75	-13	-29.75	Pass	H
8094.28	158	308	-43.62	-13	-30.62	Pass	H
1229.64	157	268	-52.23	-13	-39.23	Pass	V
1459.96	144	243	-58.09	-13	-45.09	Pass	V
3598.85	145	324	-48.44	-13	-35.44	Pass	V
3825.48	151	143	-53.76	-13	-40.76	Pass	V
5712.47	155	202	-48.28	-13	-35.28	Pass	V
6633.09	150	147	-45.55	-13	-32.55	Pass	V

Band 7 21425 channel/BW 5 (highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1406.34	150	277	-59.34	-13	-46.34	Pass	H
1663.47	145	105	-50.15	-13	-37.15	Pass	H
3865.49	150	224	-48.79	-13	-35.79	Pass	H
5815.18	143	337	-45.76	-13	-32.76	Pass	H
6536.04	152	349	-46.00	-13	-33.00	Pass	H
8110.08	152	357	-43.68	-13	-30.68	Pass	H
1107.72	152	332	-56.62	-13	-43.62	Pass	V
1543.93	152	130	-57.83	-13	-44.83	Pass	V
3485.14	147	56	-49.36	-13	-36.36	Pass	V
3912.87	154	185	-50.39	-13	-37.39	Pass	V
5828.96	154	186	-46.83	-13	-33.83	Pass	V
6538.86	151	254	-49.29	-13	-36.29	Pass	V

Note:

5) 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.

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 17 23755 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1294.46	147	187	-57.43	-13	-44.43	Pass	H
1724.13	147	41	-46.69	-13	-33.69	Pass	H
3979.03	143	246	-46.71	-13	-33.71	Pass	H
5828.78	156	167	-44.22	-13	-31.22	Pass	H
6510.10	154	242	-41.83	-13	-28.83	Pass	H
8089.82	143	103	-44.51	-13	-31.51	Pass	H
1184.86	142	230	-56.98	-13	-43.98	Pass	V
1432.18	143	135	-56.56	-13	-43.56	Pass	V
3486.14	158	35	-50.33	-13	-37.33	Pass	V
3909.38	157	182	-53.62	-13	-40.62	Pass	V
5845.39	158	203	-46.39	-13	-33.39	Pass	V
6623.22	147	239	-45.48	-13	-32.48	Pass	V

Band 17 23790 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1370.40	155	141	-55.40	-13	-42.40	Pass	H
1716.34	158	41	-46.84	-13	-33.84	Pass	H
3898.04	147	223	-48.53	-13	-35.53	Pass	H
5872.42	143	162	-44.39	-13	-31.39	Pass	H
6413.13	144	238	-45.46	-13	-32.46	Pass	H
7982.45	143	22	-40.93	-13	-27.93	Pass	H
1283.00	147	315	-56.48	-13	-43.48	Pass	V
1467.72	150	123	-56.32	-13	-43.32	Pass	V
3606.46	145	62	-50.52	-13	-37.52	Pass	V
3884.40	151	334	-52.79	-13	-39.79	Pass	V
5792.05	141	215	-48.89	-13	-35.89	Pass	V
6463.25	152	251	-49.08	-13	-36.08	Pass	V

Band 17 23825 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1283.71	141	246	-58.89	-13	-45.89	Pass	H
1679.66	148	263	-48.59	-13	-35.59	Pass	H
3980.69	151	173	-45.59	-13	-32.59	Pass	H
5967.63	154	320	-46.07	-13	-33.07	Pass	H
6500.09	158	109	-42.64	-13	-29.64	Pass	H
8076.98	151	223	-44.03	-13	-31.03	Pass	H
1278.07	145	323	-54.29	-13	-41.29	Pass	V
1383.45	151	113	-58.37	-13	-45.37	Pass	V
3450.69	150	177	-48.67	-13	-35.67	Pass	V
3782.27	150	287	-50.33	-13	-37.33	Pass	V
5856.35	151	160	-46.71	-13	-33.71	Pass	V
6656.13	156	302	-47.14	-13	-34.14	Pass	V

16QAM

Band 17 23755 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1356.30	152	24	-57.06	-13	-44.06	Pass	H
1792.80	143	309	-47.52	-13	-34.52	Pass	H
3992.85	159	95	-46.99	-13	-33.99	Pass	H
5901.16	145	47	-45.69	-13	-32.69	Pass	H
6435.32	147	157	-41.94	-13	-28.94	Pass	H
8121.85	158	55	-41.82	-13	-28.82	Pass	H
1284.85	156	118	-53.03	-13	-40.03	Pass	V
1496.23	140	20	-59.83	-13	-46.83	Pass	V
3605.32	148	267	-51.24	-13	-38.24	Pass	V
3731.82	160	333	-49.76	-13	-36.76	Pass	V
5754.85	154	62	-50.60	-13	-37.60	Pass	V
6622.44	140	14	-49.10	-13	-36.10	Pass	V

Band 17 23790 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1264.18	148	28	-58.97	-13	-45.97	Pass	H
1788.36	145	236	-51.29	-13	-38.29	Pass	H
3843.57	157	301	-47.77	-13	-34.77	Pass	H
5967.66	160	57	-42.46	-13	-29.46	Pass	H
6420.09	151	283	-44.26	-13	-31.26	Pass	H
8106.52	147	199	-40.51	-13	-27.51	Pass	H
1219.69	160	187	-52.59	-13	-39.59	Pass	V
1470.91	143	341	-58.56	-13	-45.56	Pass	V
3524.55	142	24	-49.63	-13	-36.63	Pass	V
3844.16	143	40	-51.88	-13	-38.88	Pass	V
5899.03	148	157	-48.33	-13	-35.33	Pass	V
6602.03	145	239	-49.33	-13	-36.33	Pass	V

Band 17 23825 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1307.58	152	130	-59.03	-13	-46.03	Pass	H
1735.42	158	168	-47.85	-13	-34.85	Pass	H
3918.00	159	75	-48.33	-13	-35.33	Pass	H
5806.17	155	114	-42.66	-13	-29.66	Pass	H
6579.62	148	346	-42.71	-13	-29.71	Pass	H
8007.53	142	347	-43.71	-13	-30.71	Pass	H
1166.51	144	228	-54.04	-13	-41.04	Pass	V
1399.24	142	200	-56.38	-13	-43.38	Pass	V
3635.09	142	357	-50.42	-13	-37.42	Pass	V
3916.11	156	139	-51.08	-13	-38.08	Pass	V
5745.13	154	320	-47.63	-13	-34.63	Pass	V
6543.29	140	68	-46.28	-13	-33.28	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 38 37775 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1251.97	154	149	-51.76	-25	-26.76	Pass	H
1743.80	150	176	-46.31	-25	-21.31	Pass	H
3977.95	150	352	-45.71	-25	-20.71	Pass	H
5890.61	147	355	-43.36	-25	-18.36	Pass	H
6418.30	147	308	-44.43	-25	-19.43	Pass	H
8063.07	149	262	-47.42	-25	-22.42	Pass	H
1134.73	154	323	-53.70	-25	-28.70	Pass	V
1534.42	153	315	-59.04	-25	-34.04	Pass	V
3596.18	153	71	-51.19	-25	-26.19	Pass	V
3841.48	153	290	-48.70	-25	-23.70	Pass	V
5761.60	149	84	-44.36	-25	-19.36	Pass	V
6482.34	148	208	-47.44	-25	-22.44	Pass	V
Band 38 38000 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1371.19	146	34	-55.56	-25	-30.56	Pass	H
1662.77	145	260	-48.29	-25	-23.29	Pass	H
3807.34	145	41	-50.00	-25	-25.00	Pass	H
5837.97	148	194	-40.06	-25	-15.06	Pass	H
6579.95	153	317	-40.27	-25	-15.27	Pass	H
8048.51	150	31	-44.01	-25	-19.01	Pass	H
1179.15	150	343	-51.68	-25	-26.68	Pass	V
1401.04	153	358	-56.20	-25	-31.20	Pass	V
3578.59	149	345	-49.74	-25	-24.74	Pass	V
3837.37	147	81	-50.06	-25	-25.06	Pass	V
5738.57	153	166	-46.33	-25	-21.33	Pass	V
6569.15	152	96	-43.66	-25	-18.66	Pass	V

Band 38 38225 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1285.83	155	103	-51.76	-25	-26.76	Pass	H
1606.34	155	173	-47.14	-25	-22.14	Pass	H
3869.82	150	185	-49.65	-25	-24.65	Pass	H
5835.16	154	120	-44.12	-25	-19.12	Pass	H
6418.09	152	104	-45.18	-25	-20.18	Pass	H
8089.25	150	17	-47.90	-25	-22.90	Pass	H
1186.26	150	150	-55.77	-25	-30.77	Pass	V
1430.27	150	347	-58.68	-25	-33.68	Pass	V
3607.09	149	302	-50.42	-25	-25.42	Pass	V
3748.28	150	46	-49.99	-25	-24.99	Pass	V
5750.90	152	349	-43.95	-25	-18.95	Pass	V
6579.46	146	75	-47.01	-25	-22.01	Pass	V
16QAM							
Band 38 37775 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1390.08	152	155	-53.68	-25	-28.68	Pass	H
1696.05	147	212	-51.80	-25	-26.80	Pass	H
3935.45	151	30	-48.90	-25	-23.90	Pass	H
5894.02	149	301	-39.81	-25	-14.81	Pass	H
6547.14	145	340	-46.30	-25	-21.30	Pass	H
8079.87	147	69	-44.52	-25	-19.52	Pass	H
1175.46	147	295	-52.63	-25	-27.63	Pass	V
1393.64	153	132	-57.00	-25	-32.00	Pass	V
3468.03	155	41	-50.67	-25	-25.67	Pass	V
3795.03	153	314	-47.00	-25	-22.00	Pass	V
5817.57	150	306	-45.96	-25	-20.96	Pass	V
6568.78	151	134	-47.95	-25	-22.95	Pass	V

Band 38 38000 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1343.28	150	142	-56.97	-25	-31.97	Pass	H
1719.11	154	331	-50.51	-25	-25.51	Pass	H
3920.03	152	6	-48.10	-25	-23.10	Pass	H
5965.07	154	46	-38.87	-25	-13.87	Pass	H
6415.71	148	234	-46.03	-25	-21.03	Pass	H
8009.60	147	15	-42.32	-25	-17.32	Pass	H
1304.88	150	152	-52.44	-25	-27.44	Pass	V
1531.96	150	30	-60.52	-25	-35.52	Pass	V
3490.98	146	82	-48.52	-25	-23.52	Pass	V
3914.39	151	356	-46.74	-25	-21.74	Pass	V
5752.50	153	256	-43.44	-25	-18.44	Pass	V
6507.96	153	267	-46.47	-25	-21.47	Pass	V
Band 38 38225 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1358.93	147	188	-57.25	-25	-32.25	Pass	H
1688.04	151	229	-47.84	-25	-22.84	Pass	H
3874.79	146	63	-43.49	-25	-18.49	Pass	H
5986.66	153	226	-43.35	-25	-18.35	Pass	H
6486.32	148	255	-39.93	-25	-14.93	Pass	H
8170.70	148	278	-45.86	-25	-20.86	Pass	H
1174.83	149	149	-54.88	-25	-29.88	Pass	V
1543.53	150	196	-60.79	-25	-35.79	Pass	V
3529.01	152	331	-54.95	-25	-29.95	Pass	V
3735.80	151	104	-46.74	-25	-21.74	Pass	V
5810.95	153	188	-42.26	-25	-17.26	Pass	V
6535.09	153	1	-46.14	-25	-21.14	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.

QPSK-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1319.15	149	37	-51.78	-25	-26.78	Pass	H
1608.31	152	176	-51.33	-25	-26.33	Pass	H
3841.39	148	208	-49.78	-25	-24.78	Pass	H
5878.67	151	244	-42.70	-25	-17.70	Pass	H
6424.15	152	111	-40.54	-25	-15.54	Pass	H
8076.00	145	253	-45.71	-25	-20.71	Pass	H
1147.78	151	275	-50.52	-25	-25.52	Pass	V
1463.08	146	199	-59.78	-25	-34.78	Pass	V
3456.23	153	91	-53.60	-25	-28.60	Pass	V
3845.54	148	101	-50.09	-25	-25.09	Pass	V
5849.51	147	180	-46.87	-25	-21.87	Pass	V
6551.36	153	339	-46.45	-25	-21.45	Pass	V
Band 41 40740 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1416.05	149	310	-56.65	-25	-31.65	Pass	H
1682.29	152	58	-52.27	-25	-27.27	Pass	H
3832.73	149	225	-48.97	-25	-23.97	Pass	H
5861.30	145	53	-44.26	-25	-19.26	Pass	H
6601.92	152	174	-41.88	-25	-16.88	Pass	H
8059.05	148	333	-47.58	-25	-22.58	Pass	H
1201.59	151	343	-51.40	-25	-26.40	Pass	V
1518.91	150	328	-56.26	-25	-31.26	Pass	V
3571.19	152	91	-50.35	-25	-25.35	Pass	V
3853.23	152	48	-52.73	-25	-27.73	Pass	V
5848.77	146	137	-45.27	-25	-20.27	Pass	V
6605.56	151	195	-50.02	-25	-25.02	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1254.68	152	44	-58.31	-25	-33.31	Pass	H
1606.99	147	168	-48.62	-25	-23.62	Pass	H
3822.65	152	318	-49.15	-25	-24.15	Pass	H
5978.73	153	193	-42.90	-25	-17.90	Pass	H
6535.92	154	143	-40.00	-25	-15.00	Pass	H
8019.92	151	12	-44.28	-25	-19.28	Pass	H
1112.53	146	208	-54.14	-25	-29.14	Pass	V
1425.13	155	213	-62.03	-25	-37.03	Pass	V
3487.87	152	317	-52.40	-25	-27.40	Pass	V
3865.00	155	246	-46.65	-25	-21.65	Pass	V
5901.94	148	58	-47.02	-25	-22.02	Pass	V
6533.81	146	141	-49.22	-25	-24.22	Pass	V

16QAM-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1272.92	152	326	-56.33	-25	-31.33	Pass	H
1651.34	152	10	-50.72	-25	-25.72	Pass	H
3956.05	149	4	-49.47	-25	-24.47	Pass	H
5801.42	150	269	-42.56	-25	-17.56	Pass	H
6488.11	153	15	-41.81	-25	-16.81	Pass	H
8166.95	145	5	-43.32	-25	-18.32	Pass	H
1275.34	153	140	-56.55	-25	-31.55	Pass	V
1469.97	153	247	-58.37	-25	-33.37	Pass	V
3627.30	147	234	-53.70	-25	-28.70	Pass	V
3778.42	147	14	-51.97	-25	-26.97	Pass	V
5886.50	146	269	-43.18	-25	-18.18	Pass	V
6580.21	153	314	-46.12	-25	-21.12	Pass	V

Band 41 40740 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1353.15	152	4	-56.36	-25	-31.36	Pass	H
1621.35	154	110	-50.09	-25	-25.09	Pass	H
3963.33	149	310	-46.53	-25	-21.53	Pass	H
5801.25	147	52	-40.92	-25	-15.92	Pass	H
6514.33	151	229	-40.84	-25	-15.84	Pass	H
8101.53	154	167	-43.22	-25	-18.22	Pass	H
1258.33	154	34	-53.00	-25	-28.00	Pass	V
1377.56	150	208	-61.84	-25	-36.84	Pass	V
3496.84	147	89	-52.57	-25	-27.57	Pass	V
3759.88	148	290	-47.59	-25	-22.59	Pass	V
5892.32	151	273	-47.63	-25	-22.63	Pass	V
6599.62	153	114	-45.66	-25	-20.66	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1245.36	147	58	-53.05	-25	-28.05	Pass	H
1703.08	146	77	-48.87	-25	-23.87	Pass	H
3876.45	152	242	-45.67	-25	-20.67	Pass	H
5832.06	154	97	-40.16	-25	-15.16	Pass	H
6459.80	149	17	-45.97	-25	-20.97	Pass	H
8175.99	153	109	-44.49	-25	-19.49	Pass	H
1208.95	145	6	-54.25	-25	-29.25	Pass	V
1437.68	150	127	-62.68	-25	-37.68	Pass	V
3471.68	148	74	-54.07	-25	-29.07	Pass	V
3870.23	147	173	-52.14	-25	-27.14	Pass	V
5803.26	149	318	-43.96	-25	-18.96	Pass	V
6651.62	145	151	-48.12	-25	-23.12	Pass	V

Note:

11) 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.

12) 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 40A 38725 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1246.91	154	143	-57.68	-40	-17.68	Pass	H
1714.84	146	249	-46.20	-40	-6.20	Pass	H
3915.67	145	200	-45.22	-40	-5.22	Pass	H
5887.52	146	262	-43.82	-40	-3.82	Pass	H
6526.80	153	159	-45.19	-40	-5.19	Pass	H
8113.43	152	126	-44.04	-40	-4.04	Pass	H
1269.65	150	255	-55.53	-40	-15.53	Pass	V
1433.58	155	273	-62.16	-40	-22.16	Pass	V
3510.04	148	31	-47.21	-40	-7.21	Pass	V
3805.18	153	243	-43.18	-40	-3.18	Pass	V
5827.01	146	100	-48.66	-40	-8.66	Pass	V
6448.20	154	227	-45.87	-40	-5.87	Pass	V
Band 40A 38750 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1382.37	153	37	-52.42	-40	-12.42	Pass	H
1646.55	151	153	-49.08	-40	-9.08	Pass	H
3848.68	148	348	-47.42	-40	-7.42	Pass	H
6019.15	155	106	-40.85	-40	-0.85	Pass	H
6435.02	145	260	-45.86	-40	-5.86	Pass	H
8053.87	149	156	-46.77	-40	-6.77	Pass	H
1156.51	150	261	-54.37	-40	-14.37	Pass	V
1309.54	148	50	-62.10	-40	-22.10	Pass	V
3450.52	154	58	-51.55	-40	-11.55	Pass	V
3814.43	146	123	-48.49	-40	-8.49	Pass	V
5748.90	146	308	-46.45	-40	-6.45	Pass	V
6548.46	149	7	-44.73	-40	-4.73	Pass	V

Band 40A 38775 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1355.86	154	291	-56.79	-40	-16.79	Pass	H
1758.61	154	75	-48.19	-40	-8.19	Pass	H
3937.68	153	279	-48.89	-40	-8.89	Pass	H
5973.82	151	269	-42.06	-40	-2.06	Pass	H
6535.84	151	12	-46.63	-40	-6.63	Pass	H
8049.95	154	53	-41.06	-40	-1.06	Pass	H
1286.12	151	14	-52.11	-40	-12.11	Pass	V
1445.78	146	115	-57.11	-40	-17.11	Pass	V
3477.14	148	304	-47.10	-40	-7.10	Pass	V
3902.48	150	179	-44.30	-40	-4.30	Pass	V
5833.52	149	119	-48.65	-40	-8.65	Pass	V
6600.20	146	208	-48.32	-40	-8.32	Pass	V
16QAM							
Band 40A 38725 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1236.44	148	236	-54.70	-40	-14.70	Pass	H
1766.96	147	130	-44.83	-40	-4.83	Pass	H
3926.14	148	26	-48.14	-40	-8.14	Pass	H
5909.09	147	326	-44.82	-40	-4.82	Pass	H
6504.74	153	50	-47.46	-40	-7.46	Pass	H
7973.13	152	262	-44.18	-40	-4.18	Pass	H
1206.14	153	248	-52.50	-40	-12.50	Pass	V
1437.51	148	203	-56.78	-40	-16.78	Pass	V
3583.98	155	232	-48.78	-40	-8.78	Pass	V
3917.21	151	5	-48.15	-40	-8.15	Pass	V
5790.93	152	335	-48.11	-40	-8.11	Pass	V
6532.73	148	212	-44.70	-40	-4.70	Pass	V

Band 40A 38750channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1401.81	148	126	-54.24	-40	-14.24	Pass	H
1744.81	148	222	-43.13	-40	-3.13	Pass	H
3813.26	151	285	-45.21	-40	-5.21	Pass	H
5981.26	149	207	-38.25	-40	1.75	Pass	H
6404.50	146	157	-45.01	-40	-5.01	Pass	H
8027.07	148	150	-42.13	-40	-2.13	Pass	H
1186.37	150	173	-54.07	-40	-14.07	Pass	V
1345.18	148	324	-61.37	-40	-21.37	Pass	V
3614.70	146	206	-46.47	-40	-6.47	Pass	V
3785.64	150	249	-48.09	-40	-8.09	Pass	V
5844.88	152	200	-43.95	-40	-3.95	Pass	V
6446.02	149	177	-45.08	-40	-5.08	Pass	V
Band 40A 38875 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1431.11	146	346	-53.16	-40	-13.16	Pass	H
1743.62	153	148	-49.50	-40	-9.50	Pass	H
3816.20	154	210	-49.86	-40	-9.86	Pass	H
5922.61	149	52	-43.04	-40	-3.04	Pass	H
6524.77	152	273	-45.23	-40	-5.23	Pass	H
7978.39	149	164	-44.14	-40	-4.14	Pass	H
1197.60	154	269	-55.31	-40	-15.31	Pass	V
1411.17	148	335	-56.23	-40	-16.23	Pass	V
3558.20	154	100	-52.09	-40	-12.09	Pass	V
3912.23	151	353	-44.73	-40	-4.73	Pass	V
5748.99	147	132	-45.04	-40	-5.04	Pass	V
6533.64	149	261	-44.72	-40	-4.72	Pass	V

Note:

13) 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.

14) 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 40B 39175channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1257.51	152	55	-58.12	-40	-18.12	Pass	H
1785.59	146	350	-47.43	-40	-7.43	Pass	H
3832.56	150	320	-47.94	-40	-7.94	Pass	H
6021.59	147	269	-44.31	-40	-4.31	Pass	H
6522.86	148	232	-49.07	-40	-9.07	Pass	H
8012.04	147	32	-41.71	-40	-1.71	Pass	H
1165.40	154	128	-50.87	-40	-10.87	Pass	V
1404.80	146	129	-62.62	-40	-22.62	Pass	V
3448.24	153	253	-49.24	-40	-9.24	Pass	V
3806.25	151	92	-43.77	-40	-3.77	Pass	V
5757.85	151	252	-42.42	-40	-2.42	Pass	V
6439.79	153	280	-48.60	-40	-8.60	Pass	V
Band 40B 39200 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1407.97	146	174	-57.19	-40	-17.19	Pass	H
1756.42	152	200	-48.92	-40	-8.92	Pass	H
3864.45	155	24	-48.52	-40	-8.52	Pass	H
5852.10	148	260	-43.22	-40	-3.22	Pass	H
6551.88	148	202	-45.12	-40	-5.12	Pass	H
8055.00	146	265	-45.28	-40	-5.28	Pass	H
1162.65	148	132	-51.58	-40	-11.58	Pass	V
1451.24	147	288	-56.37	-40	-16.37	Pass	V
3568.25	155	310	-46.03	-40	-6.03	Pass	V
3949.27	149	87	-45.18	-40	-5.18	Pass	V
5802.52	147	103	-46.16	-40	-6.16	Pass	V
6448.71	154	129	-47.75	-40	-7.75	Pass	V

Band 40B 39225 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1432.22	153	166	-53.11	-40	-13.11	Pass	H
1723.71	149	349	-43.55	-40	-3.55	Pass	H
3891.82	151	245	-49.41	-40	-9.41	Pass	H
5916.53	148	70	-38.10	-40	1.90	Pass	H
6470.09	153	63	-45.97	-40	-5.97	Pass	H
8137.80	149	253	-42.96	-40	-2.96	Pass	H
1149.29	150	187	-56.11	-40	-16.11	Pass	V
1471.27	145	132	-60.28	-40	-20.28	Pass	V
3608.66	148	302	-52.24	-40	-12.24	Pass	V
3772.85	148	28	-44.20	-40	-4.20	Pass	V
5918.94	154	142	-46.09	-40	-6.09	Pass	V
6472.07	154	104	-46.06	-40	-6.06	Pass	V
16QAM							
Band 40B 39175 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1235.67	149	81	-53.56	-40	-13.56	Pass	H
1676.33	153	73	-46.73	-40	-6.73	Pass	H
3902.19	150	96	-46.26	-40	-6.26	Pass	H
5896.30	149	137	-39.04	-40	0.96	Pass	H
6526.01	148	320	-45.32	-40	-5.32	Pass	H
8021.87	148	139	-42.22	-40	-2.22	Pass	H
1242.04	152	258	-53.05	-40	-13.05	Pass	V
1440.60	148	193	-59.37	-40	-19.37	Pass	V
3548.60	145	63	-45.68	-40	-5.68	Pass	V
3760.92	152	35	-45.57	-40	-5.57	Pass	V
5873.26	147	346	-46.05	-40	-6.05	Pass	V
6617.92	148	355	-47.11	-40	-7.11	Pass	V

Band 40B 39200channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1254.98	146	329	-57.55	-40	-17.55	Pass	H
1800.85	154	319	-47.12	-40	-7.12	Pass	H
3928.73	152	330	-48.78	-40	-8.78	Pass	H
5839.67	146	315	-41.34	-40	-1.34	Pass	H
6426.44	154	313	-47.10	-40	-7.10	Pass	H
7985.80	149	185	-43.94	-40	-3.94	Pass	H
1201.44	148	73	-52.97	-40	-12.97	Pass	V
1473.64	149	256	-62.46	-40	-22.46	Pass	V
3496.99	154	76	-48.64	-40	-8.64	Pass	V
3785.50	155	36	-46.30	-40	-6.30	Pass	V
5855.57	148	277	-46.07	-40	-6.07	Pass	V
6450.73	152	26	-45.13	-40	-5.13	Pass	V
Band 40B 39225 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1433.90	151	42	-53.04	-40	-13.04	Pass	H
1810.35	147	306	-42.98	-40	-2.98	Pass	H
3817.47	152	351	-50.61	-40	-10.61	Pass	H
6010.03	155	74	-40.53	-40	-0.53	Pass	H
6554.90	148	20	-45.78	-40	-5.78	Pass	H
8086.95	152	265	-44.15	-40	-4.15	Pass	H
1107.44	148	119	-55.00	-40	-15.00	Pass	V
1372.28	146	39	-56.40	-40	-16.40	Pass	V
3535.58	149	320	-49.78	-40	-9.78	Pass	V
3944.44	153	353	-48.99	-40	-8.99	Pass	V
5895.17	152	185	-43.90	-40	-3.90	Pass	V
6617.81	146	304	-47.74	-40	-7.74	Pass	V

Note:

15) 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.

16) 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 3.85V; Low Voltage LV=DC 3.465V; High Voltage HV=DC 4.235V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

※※※※※ END OF REPORT ※※※※※