



TEST REPORT

Test item description: PoC Radio
FCC ID: 2AN96PO25703
Trademark(s): LINTON
Model/Type reference: AT-780, AT-780W, AT-780N, AT-780G, AT-780B, AT-690, AT-690W, AT-690N, AT-690G, AT-690B
Applicant's name: Quanzhou Feijie Electron Co., Ltd
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Sample Received Date: Jan. 27, 2025
Sample tested Date: Jan. 27, 2025 to Mar. 03, 2026
Issue Date: Mar. 03, 2026
Report No.: CTB26012713901RF05
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

Martin Feng

Kai ChenMartin 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.

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(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
CTB26012713901RF05	Mar. 03, 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)/Part 27.50(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 chamber 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:	AT-780, AT-780W, AT-780N, AT-780G, AT-780B, AT-690, AT-690W, AT-690N, AT-690G, AT-690B
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: AT-780
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 7: 2500-2570MHz FDD-LTE BAND 66: 1710-1780MHz
Max. RF output power:	FDD-LTE BAND 2: 23.90dBm FDD-LTE BAND 4: 22.8dBm FDD-LTE BAND 5: 23.17dBm FDD-LTE BAND 7: 23.53dBm FDD-LTE BAND 66: 22.78dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	External antenna
Antenna Gain:	FDD-LTE BAND 2: 1.1dBi FDD-LTE BAND 4: 1.2dBi FDD-LTE BAND 5: 0.7dBi FDD-LTE BAND 7: 1.0dBi FDD-LTE BAND 66: 1.2dBi
Ratings:	DC 5V charging from adapter DC 3.7V 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 5	Low, Middle, High Channels
TM4	FDD-LTE BAND 7	Low, Middle, High Channels
TM5	FDD-LTE BAND 66	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	3.7V
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, Xinghe 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.

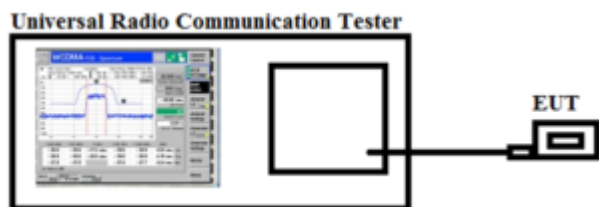
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

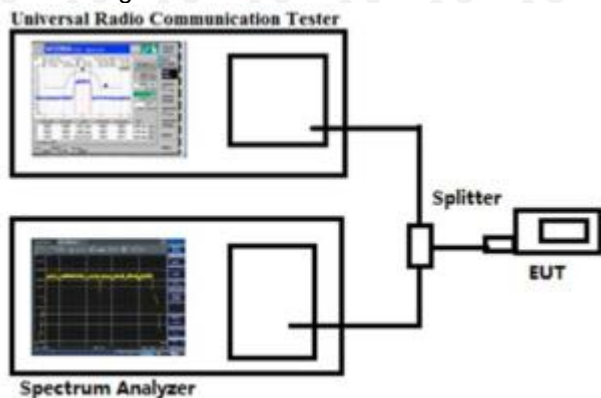
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

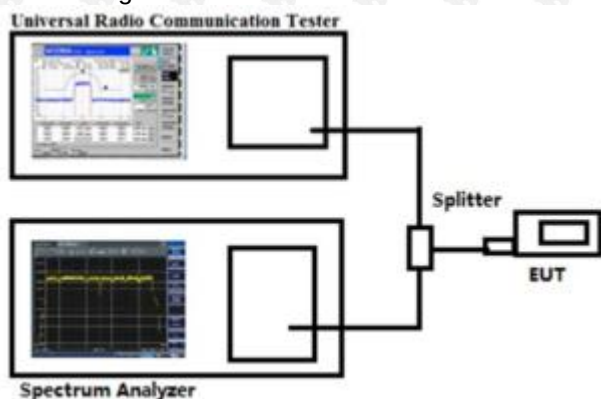
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

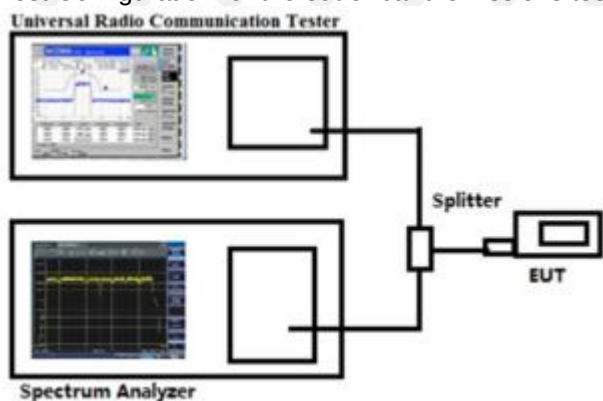
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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.
1343.17	151	192	-59.82	-13	-46.82	Pass	H
1754.13	146	244	-49.57	-13	-36.57	Pass	H
3887.28	157	338	-48.99	-13	-35.99	Pass	H
5972.37	153	96	-43.67	-13	-30.67	Pass	H
6408.90	155	36	-43.38	-13	-30.38	Pass	H
7980.57	148	49	-43.95	-13	-30.95	Pass	H
1297.22	154	295	-53.19	-13	-40.19	Pass	V
1413.58	154	108	-57.80	-13	-44.80	Pass	V
3513.21	158	211	-52.61	-13	-39.61	Pass	V
3884.91	153	280	-52.90	-13	-39.90	Pass	V
5771.39	157	264	-49.78	-13	-36.78	Pass	V
6596.72	154	145	-48.99	-13	-35.99	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.
1234.90	150	345	-58.31	-13	-45.31	Pass	H
1700.52	146	25	-51.38	-13	-38.38	Pass	H
3929.02	150	298	-47.86	-13	-34.86	Pass	H
5812.15	146	92	-47.69	-13	-34.69	Pass	H
6474.70	149	200	-51.39	-13	-38.39	Pass	H
8118.49	151	325	-48.41	-13	-35.41	Pass	H
1291.28	149	218	-56.71	-13	-43.71	Pass	V
1404.66	148	120	-56.34	-13	-43.34	Pass	V
3662.85	147	152	-53.35	-13	-40.35	Pass	V
3908.56	148	319	-53.31	-13	-40.31	Pass	V
5809.66	150	140	-46.11	-13	-33.11	Pass	V
6543.68	150	133	-47.01	-13	-34.01	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.
1363.70	147	48	-58.89	-13	-45.89	Pass	H
1586.37	149	169	-54.54	-13	-41.54	Pass	H
3872.69	149	353	-47.49	-13	-34.49	Pass	H
5813.19	150	200	-42.33	-13	-29.33	Pass	H
6454.16	150	354	-43.21	-13	-30.21	Pass	H
7980.58	149	3	-45.36	-13	-32.36	Pass	H
1333.07	155	142	-54.90	-13	-41.90	Pass	V
1332.77	152	354	-55.63	-13	-42.63	Pass	V
3571.23	147	350	-54.84	-13	-41.84	Pass	V
3989.70	146	238	-48.81	-13	-35.81	Pass	V
5716.05	148	181	-42.51	-13	-29.51	Pass	V
6583.73	147	266	-48.22	-13	-35.22	Pass	V

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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.
1246.22	152	27	-59.06	-13	-46.06	Pass	H
1689.13	155	28	-45.66	-13	-32.66	Pass	H
3785.84	154	306	-46.77	-13	-33.77	Pass	H
5853.46	146	265	-43.03	-13	-30.03	Pass	H
6497.38	149	311	-45.14	-13	-32.14	Pass	H
8011.70	152	37	-41.42	-13	-28.42	Pass	H
1162.98	147	61	-49.92	-13	-36.92	Pass	V
1341.30	151	319	-53.59	-13	-40.59	Pass	V
3558.62	154	285	-53.92	-13	-40.92	Pass	V
3964.54	146	231	-51.27	-13	-38.27	Pass	V
5909.20	147	101	-44.23	-13	-31.23	Pass	V
6512.04	148	10	-51.48	-13	-38.48	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.
1281.66	149	143	-54.09	-13	-41.45	Pass	H
1712.58	149	118	-51.36	-13	-37.85	Pass	H
3789.64	151	169	-45.60	-13	-35.2	Pass	H
5926.96	147	15	-39.64	-13	-30.39	Pass	H
6429.75	145	55	-41.96	-13	-32.24	Pass	H
8097.81	154	307	-45.95	-13	-30.22	Pass	H
1125.06	149	136	-55.84	-13	-44.9	Pass	V
1314.06	146	175	-57.07	-13	-43.63	Pass	V
3620.60	153	159	-47.52	-13	-35.94	Pass	V
3780.59	152	74	-46.06	-13	-36.01	Pass	V
5810.02	145	7	-43.38	-13	-33.75	Pass	V
6611.64	146	7	-43.72	-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.
1420.83	151	153	-55.97	-13	-42.97	Pass	H
1698.33	152	152	-50.16	-13	-37.16	Pass	H
3895.72	146	245	-41.84	-13	-28.84	Pass	H
5946.57	147	239	-42.41	-13	-29.41	Pass	H
6470.99	151	38	-42.91	-13	-29.91	Pass	H
8083.60	148	148	-43.16	-13	-30.16	Pass	H
1145.57	147	65	-58.59	-13	-45.59	Pass	V
1517.00	148	81	-57.18	-13	-44.18	Pass	V
3608.59	152	123	-49.00	-13	-36.00	Pass	V
3928.88	148	295	-53.15	-13	-40.15	Pass	V
5809.09	150	277	-46.94	-13	-33.94	Pass	V
6650.63	149	78	-42.99	-13	-29.99	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.

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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.
1260.44	151	59	-57.81	-13	-44.81	Pass	H
1655.34	150	203	-49.09	-13	-36.09	Pass	H
3881.40	149	266	-47.53	-13	-34.53	Pass	H
5905.49	159	197	-42.64	-13	-29.64	Pass	H
6457.21	157	234	-41.17	-13	-28.17	Pass	H
8143.08	146	317	-44.77	-13	-31.77	Pass	H
1224.44	141	302	-53.85	-13	-40.85	Pass	V
1419.54	145	134	-55.65	-13	-42.65	Pass	V
3615.01	157	105	-48.68	-13	-35.68	Pass	V
3816.05	156	211	-49.53	-13	-36.53	Pass	V
5745.18	143	255	-50.36	-13	-37.36	Pass	V
6501.04	151	330	-49.13	-13	-36.13	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.
1385.70	150	122	-53.48	-13	-40.48	Pass	H
1632.94	146	104	-54.30	-13	-41.30	Pass	H
3815.37	150	112	-53.31	-13	-40.31	Pass	H
5836.84	146	53	-44.92	-13	-31.92	Pass	H
6377.95	149	302	-52.07	-13	-39.07	Pass	H
8003.66	151	51	-46.79	-13	-33.79	Pass	H
1165.83	149	201	-54.71	-13	-41.71	Pass	V
1301.33	148	155	-58.04	-13	-45.04	Pass	V
3577.59	147	287	-55.21	-13	-42.21	Pass	V
3864.55	148	130	-49.08	-13	-36.08	Pass	V
5792.82	150	63	-51.22	-13	-38.22	Pass	V
6593.82	150	149	-48.98	-13	-35.98	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.
1336.43	152	96	-55.14	-13	-42.14	Pass	H
1603.20	147	97	-53.18	-13	-40.18	Pass	H
3928.48	145	10	-44.97	-13	-31.97	Pass	H
5922.25	153	42	-42.59	-13	-29.59	Pass	H
6539.55	148	290	-40.11	-13	-27.11	Pass	H
8055.04	155	334	-43.40	-13	-30.40	Pass	H
1213.77	152	302	-56.71	-13	-43.71	Pass	V
1341.59	154	123	-55.18	-13	-42.18	Pass	V
3586.30	151	89	-52.36	-13	-39.36	Pass	V
3999.91	147	18	-49.72	-13	-36.72	Pass	V
5705.62	154	235	-41.62	-13	-28.62	Pass	V
6501.20	153	43	-49.34	-13	-36.34	Pass	V

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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.
1306.21	149	318	-58.74	-13	-45.74	Pass	H
1694.11	152	200	-48.01	-13	-35.01	Pass	H
3775.55	154	76	-47.38	-13	-34.38	Pass	H
5943.86	147	356	-42.86	-13	-29.86	Pass	H
6460.23	150	358	-45.37	-13	-32.37	Pass	H
7903.78	153	163	-41.79	-13	-28.79	Pass	H
1085.94	154	107	-51.58	-13	-38.58	Pass	V
1340.83	151	113	-56.28	-13	-43.28	Pass	V
3589.24	152	289	-49.42	-13	-36.42	Pass	V
3859.73	148	264	-49.42	-13	-36.42	Pass	V
5772.77	154	338	-45.17	-13	-32.17	Pass	V
6579.49	146	84	-48.76	-13	-35.76	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.
1337.09	149	327	-56.91	-13	-41.45	Pass	H
1665.46	153	179	-52.78	-13	-37.85	Pass	H
3822.67	146	62	-49.34	-13	-35.2	Pass	H
5900.01	154	193	-41.75	-13	-30.39	Pass	H
6463.95	151	176	-44.77	-13	-32.24	Pass	H
8085.29	154	155	-43.97	-13	-30.22	Pass	H
1272.18	151	199	-55.40	-13	-44.9	Pass	V
1306.01	150	125	-57.64	-13	-43.63	Pass	V
3610.03	151	191	-51.04	-13	-35.94	Pass	V
3809.53	145	21	-50.83	-13	-36.01	Pass	V
5784.01	145	161	-48.00	-13	-33.75	Pass	V
6496.49	151	96	-44.80	-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.
1247.52	148	332	-57.44	-13	-44.44	Pass	H
1624.33	146	60	-46.69	-13	-33.69	Pass	H
3853.21	155	311	-42.20	-13	-29.20	Pass	H
5867.23	153	318	-40.76	-13	-27.76	Pass	H
6431.35	154	135	-40.42	-13	-27.42	Pass	H
7997.74	150	131	-43.85	-13	-30.85	Pass	H
1172.71	152	342	-58.31	-13	-45.31	Pass	V
1465.68	146	299	-60.68	-13	-47.68	Pass	V
3498.15	152	51	-50.01	-13	-37.01	Pass	V
3912.23	150	326	-53.07	-13	-40.07	Pass	V
5830.39	150	313	-47.91	-13	-34.91	Pass	V
6610.52	151	273	-44.62	-13	-31.62	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.

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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.
1270.79	154	184	-55.67	-13	-42.67	Pass	H
1784.05	146	130	-50.84	-13	-37.84	Pass	H
3827.10	150	93	-48.51	-13	-35.51	Pass	H
5805.51	154	310	-46.72	-13	-33.72	Pass	H
6431.10	145	284	-44.27	-13	-31.27	Pass	H
8155.16	145	219	-43.37	-13	-30.37	Pass	H
1110.73	158	219	-54.60	-13	-41.60	Pass	V
1361.51	155	109	-56.90	-13	-43.90	Pass	V
3585.83	154	51	-51.68	-13	-38.68	Pass	V
3923.52	153	31	-51.33	-13	-38.33	Pass	V
5835.88	151	14	-50.20	-13	-37.20	Pass	V
6608.73	151	144	-48.50	-13	-35.50	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.
1310.34	150	95	-53.32	-13	-40.32	Pass	H
1720.34	146	180	-50.42	-13	-37.42	Pass	H
3858.51	150	15	-49.57	-13	-36.57	Pass	H
5807.40	146	256	-42.84	-13	-29.84	Pass	H
6362.60	149	70	-51.08	-13	-38.08	Pass	H
8067.83	151	246	-49.35	-13	-36.35	Pass	H
1313.19	149	9	-52.30	-13	-39.30	Pass	V
1319.55	148	302	-60.24	-13	-47.24	Pass	V
3515.03	147	352	-52.55	-13	-39.55	Pass	V
3924.16	148	275	-53.37	-13	-40.37	Pass	V
5786.22	150	141	-46.65	-13	-33.65	Pass	V
6522.16	150	294	-48.76	-13	-35.76	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.
1393.03	152	357	-56.09	-13	-43.09	Pass	H
1702.33	145	244	-54.43	-13	-41.43	Pass	H
3944.81	149	3	-43.92	-13	-30.92	Pass	H
5958.72	148	314	-43.31	-13	-30.31	Pass	H
6629.24	148	193	-44.03	-13	-31.03	Pass	H
8003.91	152	25	-43.03	-13	-30.03	Pass	H
1309.76	146	68	-57.77	-13	-44.77	Pass	V
1348.36	146	321	-57.93	-13	-44.93	Pass	V
3475.67	151	225	-51.95	-13	-38.95	Pass	V
4005.23	148	112	-50.06	-13	-37.06	Pass	V
5737.88	152	31	-43.15	-13	-30.15	Pass	V
6589.60	147	311	-50.67	-13	-37.67	Pass	V

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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.
1399.67	150	297	-59.19	-13	-46.19	Pass	H
1709.48	149	27	-48.95	-13	-35.95	Pass	H
3796.97	146	24	-47.08	-13	-34.08	Pass	H
5887.05	148	259	-46.36	-13	-33.36	Pass	H
6610.10	148	83	-43.34	-13	-30.34	Pass	H
7970.79	145	331	-43.06	-13	-30.06	Pass	H
1251.24	149	226	-52.04	-13	-39.04	Pass	V
1475.97	148	336	-56.98	-13	-43.98	Pass	V
3643.48	151	207	-49.90	-13	-36.90	Pass	V
3905.15	151	291	-50.18	-13	-37.18	Pass	V
5946.42	150	324	-46.46	-13	-33.46	Pass	V
6514.40	147	54	-48.01	-13	-35.01	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.
1241.15	152	56	-52.09	-13	-41.45	Pass	H
1748.31	152	77	-51.81	-13	-37.85	Pass	H
3754.83	153	63	-44.66	-13	-35.2	Pass	H
5844.07	145	153	-44.68	-13	-30.39	Pass	H
6405.93	146	243	-45.90	-13	-32.24	Pass	H
8013.41	148	77	-46.20	-13	-30.22	Pass	H
1099.34	151	266	-56.43	-13	-44.9	Pass	V
1440.57	150	145	-56.29	-13	-43.63	Pass	V
3515.10	154	280	-51.43	-13	-35.94	Pass	V
3903.19	147	347	-49.03	-13	-36.01	Pass	V
5740.84	149	346	-49.64	-13	-33.75	Pass	V
6551.45	151	319	-42.89	-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.
1419.00	149	216	-56.40	-13	-43.40	Pass	H
1607.55	153	107	-46.24	-13	-33.24	Pass	H
3817.46	149	44	-42.79	-13	-29.79	Pass	H
5856.70	146	140	-40.20	-13	-27.20	Pass	H
6560.18	146	302	-44.23	-13	-31.23	Pass	H
8095.79	153	155	-48.59	-13	-35.59	Pass	H
1116.87	154	153	-55.13	-13	-42.13	Pass	V
1391.14	152	89	-56.38	-13	-43.38	Pass	V
3455.99	150	149	-46.57	-13	-33.57	Pass	V
3737.13	150	236	-49.14	-13	-36.14	Pass	V
5865.43	147	208	-48.57	-13	-35.57	Pass	V
6585.81	154	311	-43.61	-13	-30.61	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.

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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.
1351.41	151	230	-55.13	-13	-42.13	Pass	H
1590.68	152	166	-45.29	-13	-32.29	Pass	H
3870.51	154	41	-49.62	-13	-36.62	Pass	H
5908.41	145	293	-47.65	-13	-34.65	Pass	H
6531.68	146	102	-43.71	-13	-30.71	Pass	H
7949.29	149	178	-43.47	-13	-30.47	Pass	H
1255.97	146	80	-54.88	-13	-41.88	Pass	V
1342.07	147	104	-58.04	-13	-45.04	Pass	V
3651.48	149	296	-51.98	-13	-38.98	Pass	V
3860.46	153	3	-53.72	-13	-40.72	Pass	V
5837.65	149	43	-45.81	-13	-32.81	Pass	V
6619.20	152	26	-47.27	-13	-34.27	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.
1252.42	149	29	-54.74	-13	-41.74	Pass	H
1807.25	152	244	-46.03	-13	-33.03	Pass	H
3892.99	150	52	-43.69	-13	-30.69	Pass	H
5960.89	152	321	-42.04	-13	-29.04	Pass	H
6572.11	149	111	-43.08	-13	-30.08	Pass	H
8062.80	154	220	-42.61	-13	-29.61	Pass	H
1204.06	154	53	-56.38	-13	-43.38	Pass	V
1294.71	148	272	-61.62	-13	-48.62	Pass	V
3511.77	149	32	-45.35	-13	-32.35	Pass	V
3755.85	153	306	-48.84	-13	-35.84	Pass	V
5805.39	150	126	-46.93	-13	-33.93	Pass	V
6579.10	147	308	-44.53	-13	-31.53	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.
1246.73	145	322	-53.71	-13	-40.71	Pass	H
1769.08	147	20	-45.39	-13	-32.39	Pass	H
3980.46	154	303	-41.61	-13	-28.61	Pass	H
5856.58	153	23	-42.83	-13	-29.83	Pass	H
6503.46	154	290	-46.11	-13	-33.11	Pass	H
8083.34	148	34	-41.17	-13	-28.17	Pass	H
1236.22	147	258	-55.91	-13	-42.91	Pass	V
1426.19	150	44	-57.62	-13	-44.62	Pass	V
3510.53	148	162	-51.27	-13	-38.27	Pass	V
3766.20	152	219	-48.17	-13	-35.17	Pass	V
5860.00	146	333	-44.05	-13	-31.05	Pass	V
6636.77	153	193	-46.43	-13	-33.43	Pass	V

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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.
1374.72	148	56	-58.68	-13	-45.68	Pass	H
1643.78	147	266	-52.53	-13	-39.53	Pass	H
3911.10	150	140	-51.93	-13	-38.93	Pass	H
5868.02	152	336	-44.22	-13	-31.22	Pass	H
6555.69	146	57	-47.16	-13	-34.16	Pass	H
8081.19	151	151	-44.95	-13	-31.95	Pass	H
1266.75	153	211	-56.75	-13	-43.75	Pass	V
1363.97	152	160	-52.50	-13	-39.50	Pass	V
3577.02	154	123	-46.81	-13	-33.81	Pass	V
3774.04	145	84	-45.98	-13	-32.98	Pass	V
5783.04	152	234	-48.25	-13	-35.25	Pass	V
6499.04	148	213	-49.17	-13	-36.17	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.
1383.66	146	141	-53.21	-13	-40.21	Pass	H
1686.43	155	92	-51.77	-13	-38.77	Pass	H
3817.86	154	308	-51.87	-13	-38.87	Pass	H
5802.94	145	16	-40.94	-13	-27.94	Pass	H
6509.74	154	153	-48.69	-13	-35.69	Pass	H
8071.40	145	143	-48.32	-13	-35.32	Pass	H
1283.13	152	323	-57.34	-13	-44.34	Pass	V
1467.75	148	121	-65.17	-13	-52.17	Pass	V
3521.98	148	197	-51.84	-13	-38.84	Pass	V
3862.96	147	263	-50.25	-13	-37.25	Pass	V
5776.72	146	287	-48.89	-13	-35.89	Pass	V
6426.81	153	345	-45.92	-13	-32.92	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.
1317.65	154	324	-55.67	-13	-42.67	Pass	H
1652.87	149	334	-54.47	-13	-41.47	Pass	H
3746.03	152	134	-47.51	-13	-34.51	Pass	H
5885.59	155	333	-44.61	-13	-31.61	Pass	H
6431.05	153	134	-42.72	-13	-29.72	Pass	H
7916.26	154	134	-46.07	-13	-33.07	Pass	H
1204.70	150	57	-51.78	-13	-38.78	Pass	V
1375.42	150	141	-54.22	-13	-41.22	Pass	V
3470.43	148	151	-52.50	-13	-39.50	Pass	V
3865.94	154	194	-49.49	-13	-36.49	Pass	V
5756.82	155	170	-45.84	-13	-32.84	Pass	V
6566.65	152	94	-47.18	-13	-34.18	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.
1327.63	147	161	-55.31	-13	-42.31	Pass	H
1771.67	150	282	-45.35	-13	-32.35	Pass	H
3808.46	152	91	-49.00	-13	-36.00	Pass	H
5913.37	151	111	-43.38	-13	-30.38	Pass	H
6488.10	153	316	-43.21	-13	-30.21	Pass	H
8043.07	148	97	-38.41	-13	-25.41	Pass	H
1158.49	148	29	-55.32	-13	-42.32	Pass	V
1347.59	150	262	-58.98	-13	-45.98	Pass	V
3611.53	145	195	-48.90	-13	-35.90	Pass	V
3971.50	149	243	-52.08	-13	-39.08	Pass	V
5755.57	149	63	-44.53	-13	-31.53	Pass	V
6627.91	154	73	-44.71	-13	-31.71	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.
1404.06	150	101	-53.84	-13	-40.84	Pass	H
1718.56	149	232	-50.13	-13	-37.13	Pass	H
3874.68	154	305	-45.04	-13	-32.04	Pass	H
6003.72	145	50	-39.05	-13	-26.05	Pass	H
6486.77	151	260	-42.91	-13	-29.91	Pass	H
8122.10	152	188	-42.57	-13	-29.57	Pass	H
1112.86	149	171	-55.07	-13	-42.07	Pass	V
1432.64	148	178	-60.56	-13	-47.56	Pass	V
3567.22	148	244	-50.28	-13	-37.28	Pass	V
3866.82	149	318	-44.65	-13	-31.65	Pass	V
5841.65	152	171	-46.17	-13	-33.17	Pass	V
6505.67	149	134	-47.94	-13	-34.94	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.
1310.67	153	3	-52.48	-13	-39.48	Pass	H
1658.01	146	214	-46.91	-13	-33.91	Pass	H
3855.20	148	318	-41.92	-13	-28.92	Pass	H
5879.66	154	299	-44.45	-13	-31.45	Pass	H
6586.92	147	78	-40.20	-13	-27.20	Pass	H
7980.56	148	196	-40.05	-13	-27.05	Pass	H
1195.50	154	235	-56.93	-13	-43.93	Pass	V
1378.13	149	248	-53.31	-13	-40.31	Pass	V
3473.06	152	89	-50.35	-13	-37.35	Pass	V
3766.99	146	19	-51.29	-13	-38.29	Pass	V
5886.90	147	94	-47.46	-13	-34.46	Pass	V
6628.78	151	197	-45.70	-13	-32.70	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.
1326.95	152	225	-59.24	-13	-46.24	Pass	H
1686.07	153	306	-51.49	-13	-38.49	Pass	H
3923.96	153	161	-48.76	-13	-35.76	Pass	H
5921.97	149	240	-48.33	-13	-35.33	Pass	H
6472.84	150	67	-44.26	-13	-31.26	Pass	H
7973.78	146	187	-48.50	-13	-35.50	Pass	H
1267.51	148	300	-60.34	-13	-47.34	Pass	V
1518.22	154	333	-51.44	-13	-38.44	Pass	V
3606.74	147	190	-46.93	-13	-33.93	Pass	V
3873.53	153	242	-45.46	-13	-32.46	Pass	V
5882.91	150	205	-46.95	-13	-33.95	Pass	V
6462.77	147	78	-49.65	-13	-36.65	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.
1316.76	149	287	-53.65	-13	-40.65	Pass	H
1657.39	154	10	-51.62	-13	-38.62	Pass	H
3848.03	150	19	-49.45	-13	-36.45	Pass	H
5886.55	149	318	-46.37	-13	-33.37	Pass	H
6421.26	145	16	-49.30	-13	-36.30	Pass	H
8075.67	154	335	-43.02	-13	-30.02	Pass	H
1270.14	153	139	-55.81	-13	-42.81	Pass	V
1350.28	151	223	-64.69	-13	-51.69	Pass	V
3641.55	149	85	-49.92	-13	-36.92	Pass	V
4008.72	148	180	-51.98	-13	-38.98	Pass	V
5774.59	154	360	-53.95	-13	-40.95	Pass	V
6470.50	146	142	-50.42	-13	-37.42	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.
1324.11	154	169	-53.60	-13	-40.60	Pass	H
1645.31	149	320	-49.16	-13	-36.16	Pass	H
3793.96	153	274	-47.10	-13	-34.10	Pass	H
5824.46	147	332	-40.51	-13	-27.51	Pass	H
6494.33	151	238	-41.16	-13	-28.16	Pass	H
7937.96	149	89	-47.58	-13	-34.58	Pass	H
1215.21	152	169	-54.30	-13	-41.30	Pass	V
1338.21	149	278	-50.15	-13	-37.15	Pass	V
3506.29	152	41	-55.14	-13	-42.14	Pass	V
3835.91	149	29	-46.36	-13	-33.36	Pass	V
5750.74	148	0	-41.69	-13	-28.69	Pass	V
6542.00	146	22	-47.26	-13	-34.26	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 3.7V; Low Voltage LV=DC 3.33V; High Voltage HV=DC 4.07V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

13. PHOTOGRAPHS

EUT photo 1



EUT photo 2



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