



TEST REPORT

Product Name: 4G LTE UFO WiFi Mobile Hotspot
FCC ID: 2BHVO-MF201
Trademark: TALKSIM
Model Number: MF201
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Sample Received Date: Jul. 07, 2025
Sample tested Date: Jul. 07, 2025 to Jul. 23, 2025
Issue Date: Jul. 23, 2025
Report No.: CTB25070704901RF03
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

Compiled by:

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(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB25070704901RF03	Jul. 23, 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):	MF201
Model Description:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 2: 1850-1910MHz FDD-LTE BAND 4: 1710-1755MHz FDD-LTE BAND 5: 824-849MHz FDD-LTE BAND 7: 2500-2570MHz 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 FDD-LTE BAND 66: 1710-1780MHz
Max. RF output power:	FDD-LTE BAND 2: 23.93dBm FDD-LTE BAND 4: 23.57dBm FDD-LTE BAND 5: 23.61dBm FDD-LTE BAND 7: 24.06dBm TDD-LTE BAND 38: 22.86dBm TDD-LTE BAND 40a: 25.55dBm TDD-LTE BAND 40b: 24.22dBm TDD-LTE BAND 41: 23.75dBm FDD-LTE BAND 66: 23.54dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Internal antenna
Antenna Gain:	FDD-LTE BAND 2: 1.67dBi FDD-LTE BAND 4: 1.88dBi FDD-LTE BAND 5: -3.43dBi FDD-LTE BAND 7: 4.33dBi TDD-LTE BAND 38: 1.07dBi TDD-LTE BAND 40a: 2.62dBi TDD-LTE BAND 40b: 3.04dBi TDD-LTE BAND 41: 6.29dBi FDD-LTE BAND 66: 1.88dBi
Ratings:	DC 5V charging from adapter or DC 5V by notebook 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
	Adapter	JIYIN	JY-05100C	/	AE
	Laptop	DELL	Vostro 5490	N/A	AE

Notes:

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

4.4 Test Mode

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE BAND 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	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
TM9	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	/	2024/10/31	2025/10/30
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.

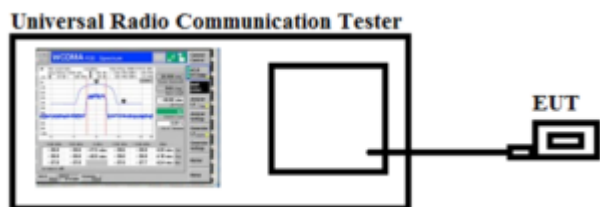
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

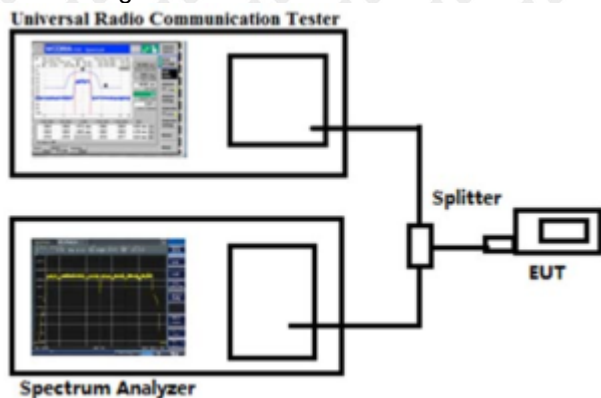
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

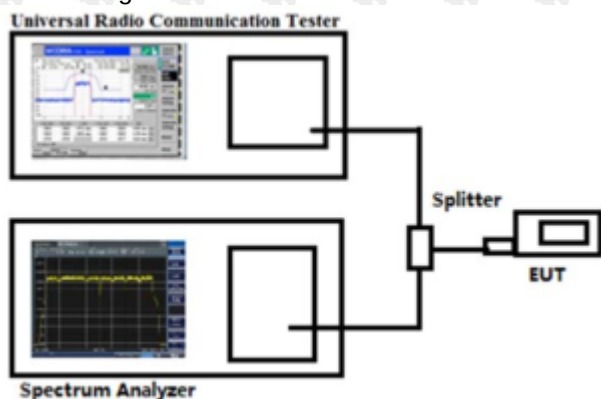
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

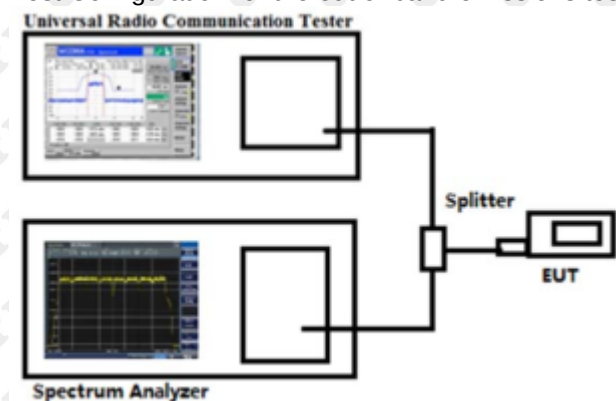
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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.
1380.17	144	74	-57.39	-13	-44.39	Pass	H
1701.52	159	213	-46.89	-13	-33.89	Pass	H
3917.67	151	254	-45.80	-13	-32.80	Pass	H
5908.35	142	291	-42.78	-13	-29.78	Pass	H
6562.29	155	117	-44.10	-13	-31.10	Pass	H
8114.20	148	266	-44.03	-13	-31.03	Pass	H
1173.69	149	2	-55.45	-13	-42.45	Pass	V
1505.06	142	168	-60.26	-13	-47.26	Pass	V
3553.04	144	250	-48.51	-13	-35.51	Pass	V
3885.40	151	209	-52.98	-13	-39.98	Pass	V
5801.27	160	221	-46.55	-13	-33.55	Pass	V
6613.60	154	59	-47.75	-13	-34.75	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.
1293.17	150	56	-54.19	-13	-41.19	Pass	H
1788.31	146	38	-52.81	-13	-39.81	Pass	H
3823.39	150	277	-48.85	-13	-35.85	Pass	H
5794.37	146	273	-44.65	-13	-31.65	Pass	H
6550.22	149	338	-46.51	-13	-33.51	Pass	H
7975.02	151	80	-48.65	-13	-35.65	Pass	H
1264.95	149	298	-52.87	-13	-39.87	Pass	V
1298.94	148	205	-56.86	-13	-43.86	Pass	V
3571.40	147	55	-54.65	-13	-41.65	Pass	V
3829.46	148	51	-49.89	-13	-36.89	Pass	V
5922.81	150	51	-48.45	-13	-35.45	Pass	V
6427.11	150	184	-49.64	-13	-36.64	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.
1402.91	148	293	-57.23	-13	-44.23	Pass	H
1706.44	149	112	-54.24	-13	-41.24	Pass	H
3795.76	155	211	-43.98	-13	-30.98	Pass	H
5807.63	150	83	-41.92	-13	-28.92	Pass	H
6469.25	145	119	-42.22	-13	-29.22	Pass	H
8060.23	146	221	-47.45	-13	-34.45	Pass	H
1259.96	148	276	-57.40	-13	-44.40	Pass	V
1464.89	151	207	-54.66	-13	-41.66	Pass	V
3620.30	153	30	-52.90	-13	-39.90	Pass	V
4001.47	150	212	-48.37	-13	-35.37	Pass	V
5713.34	148	63	-40.20	-13	-27.20	Pass	V
6630.29	153	260	-47.49	-13	-34.49	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.
1323.25	152	293	-55.88	-13	-42.88	Pass	H
1765.26	148	54	-45.34	-13	-32.34	Pass	H
3909.09	148	270	-46.46	-13	-33.46	Pass	H
5953.90	152	262	-46.09	-13	-33.09	Pass	H
6568.36	145	289	-46.59	-13	-33.59	Pass	H
8005.05	147	54	-39.61	-13	-26.61	Pass	H
1178.36	152	27	-51.96	-13	-38.96	Pass	V
1390.28	153	167	-55.00	-13	-42.00	Pass	V
3619.64	154	214	-53.09	-13	-40.09	Pass	V
3835.55	155	285	-51.80	-13	-38.80	Pass	V
5955.09	153	279	-45.40	-13	-32.40	Pass	V
6636.21	147	27	-49.54	-13	-36.54	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.
1260.90	150	85	-51.58	-13	-41.45	Pass	H
1629.84	151	356	-49.61	-13	-37.85	Pass	H
3759.38	152	231	-46.30	-13	-35.2	Pass	H
5914.70	155	73	-44.15	-13	-30.39	Pass	H
6509.27	153	244	-45.62	-13	-32.24	Pass	H
8126.68	154	99	-40.01	-13	-30.22	Pass	H
1145.75	146	144	-58.39	-13	-44.9	Pass	V
1355.40	155	135	-52.84	-13	-43.63	Pass	V
3502.93	150	117	-45.34	-13	-35.94	Pass	V
3780.93	146	220	-49.48	-13	-36.01	Pass	V
5735.87	154	307	-49.59	-13	-33.75	Pass	V
6525.01	146	329	-42.89	-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.
1351.62	147	285	-56.33	-13	-43.33	Pass	H
1607.37	150	36	-52.00	-13	-39.00	Pass	H
3946.58	154	28	-43.84	-13	-30.84	Pass	H
5967.61	149	150	-44.03	-13	-31.03	Pass	H
6519.17	152	174	-38.88	-13	-25.88	Pass	H
8032.77	149	261	-42.67	-13	-29.67	Pass	H
1269.96	146	354	-52.28	-13	-39.28	Pass	V
1496.31	153	277	-56.46	-13	-43.46	Pass	V
3568.24	153	157	-50.99	-13	-37.99	Pass	V
3815.14	145	339	-47.72	-13	-34.72	Pass	V
5855.51	154	77	-50.82	-13	-37.82	Pass	V
6652.26	154	59	-47.70	-13	-34.70	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.
1376.35	147	16	-59.45	-13	-46.45	Pass	H
1788.96	153	158	-51.40	-13	-38.40	Pass	H
3806.51	156	83	-49.08	-13	-36.08	Pass	H
5927.11	142	289	-46.67	-13	-33.67	Pass	H
6411.82	150	197	-43.71	-13	-30.71	Pass	H
7981.97	158	268	-40.72	-13	-27.72	Pass	H
1177.26	143	11	-54.29	-13	-41.29	Pass	V
1507.46	148	122	-60.09	-13	-47.09	Pass	V
3518.73	155	21	-48.54	-13	-35.54	Pass	V
3839.36	157	34	-49.72	-13	-36.72	Pass	V
5869.17	141	13	-47.48	-13	-34.48	Pass	V
6606.32	141	294	-45.35	-13	-32.35	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.
1292.35	150	214	-59.13	-13	-46.13	Pass	H
1736.63	146	82	-51.74	-13	-38.74	Pass	H
3850.91	150	298	-50.09	-13	-37.09	Pass	H
5954.74	146	14	-43.90	-13	-30.90	Pass	H
6470.29	149	137	-49.80	-13	-36.80	Pass	H
8000.52	151	16	-48.63	-13	-35.63	Pass	H
1193.31	149	42	-52.87	-13	-39.87	Pass	V
1449.08	148	235	-61.39	-13	-48.39	Pass	V
3661.33	147	49	-54.74	-13	-41.74	Pass	V
3864.61	148	114	-49.42	-13	-36.42	Pass	V
5747.19	150	125	-50.44	-13	-37.44	Pass	V
6450.13	150	358	-49.30	-13	-36.30	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.
1355.92	154	72	-54.62	-13	-41.62	Pass	H
1735.94	145	170	-53.93	-13	-40.93	Pass	H
3810.77	147	22	-43.56	-13	-30.56	Pass	H
5863.14	148	159	-38.56	-13	-25.56	Pass	H
6512.47	154	329	-41.71	-13	-28.71	Pass	H
7980.71	148	326	-44.02	-13	-31.02	Pass	H
1347.91	146	121	-58.86	-13	-45.86	Pass	V
1442.01	152	56	-59.21	-13	-46.21	Pass	V
3434.22	149	212	-55.61	-13	-42.61	Pass	V
3955.13	146	56	-50.73	-13	-37.73	Pass	V
5735.24	146	348	-40.55	-13	-27.55	Pass	V
6490.40	148	206	-47.86	-13	-34.86	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.
1278.71	153	151	-56.27	-13	-43.27	Pass	H
1738.56	151	83	-48.44	-13	-35.44	Pass	H
3966.81	154	23	-49.45	-13	-36.45	Pass	H
5989.76	147	268	-43.95	-13	-30.95	Pass	H
6536.29	152	307	-44.42	-13	-31.42	Pass	H
8052.46	150	3	-43.86	-13	-30.86	Pass	H
1110.59	153	21	-53.29	-13	-40.29	Pass	V
1417.19	154	271	-56.48	-13	-43.48	Pass	V
3663.33	148	267	-54.25	-13	-41.25	Pass	V
3851.62	152	305	-49.66	-13	-36.66	Pass	V
5808.08	146	175	-44.26	-13	-31.26	Pass	V
6566.65	155	345	-51.73	-13	-38.73	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.
1393.12	154	83	-50.52	-13	-41.45	Pass	H
1642.69	155	198	-51.02	-13	-37.85	Pass	H
3805.68	146	146	-45.75	-13	-35.2	Pass	H
5904.59	154	198	-45.52	-13	-30.39	Pass	H
6583.14	146	98	-47.53	-13	-32.24	Pass	H
7986.26	155	282	-40.93	-13	-30.22	Pass	H
1111.85	148	270	-59.79	-13	-44.9	Pass	V
1441.66	150	163	-55.80	-13	-43.63	Pass	V
3482.88	146	326	-48.07	-13	-35.94	Pass	V
3768.47	154	255	-49.84	-13	-36.01	Pass	V
5738.01	146	180	-48.98	-13	-33.75	Pass	V
6567.77	154	321	-45.10	-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.
1316.51	154	23	-52.95	-13	-39.95	Pass	H
1803.35	151	320	-47.32	-13	-34.32	Pass	H
3976.31	149	286	-44.05	-13	-31.05	Pass	H
5911.95	151	106	-38.80	-13	-25.80	Pass	H
6572.25	149	68	-40.60	-13	-27.60	Pass	H
8108.17	148	240	-44.57	-13	-31.57	Pass	H
1188.87	148	291	-55.26	-13	-42.26	Pass	V
1415.14	153	134	-55.65	-13	-42.65	Pass	V
3624.70	149	80	-50.62	-13	-37.62	Pass	V
3886.36	155	14	-50.83	-13	-37.83	Pass	V
5710.29	151	156	-46.05	-13	-33.05	Pass	V
6488.95	154	82	-44.85	-13	-31.85	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.
1359.70	142	13	-56.59	-13	-43.59	Pass	H
1749.72	157	221	-50.10	-13	-37.10	Pass	H
3883.36	147	214	-44.78	-13	-31.78	Pass	H
5868.37	155	338	-42.26	-13	-29.26	Pass	H
6536.96	153	322	-43.43	-13	-30.43	Pass	H
8077.62	143	292	-43.14	-13	-30.14	Pass	H
1125.85	159	207	-55.70	-13	-42.70	Pass	V
1364.47	153	259	-55.95	-13	-42.95	Pass	V
3588.82	148	132	-49.07	-13	-36.07	Pass	V
3844.64	150	265	-51.95	-13	-38.95	Pass	V
5870.29	149	298	-49.48	-13	-36.48	Pass	V
6563.30	152	202	-48.85	-13	-35.85	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.
1198.88	150	322	-58.72	-13	-45.72	Pass	H
1666.76	146	167	-52.86	-13	-39.86	Pass	H
3862.80	150	265	-50.09	-13	-37.09	Pass	H
5937.77	146	54	-47.12	-13	-34.12	Pass	H
6405.69	149	275	-49.50	-13	-36.50	Pass	H
8101.77	151	106	-48.86	-13	-35.86	Pass	H
1300.72	149	301	-50.83	-13	-37.83	Pass	V
1365.82	148	116	-60.66	-13	-47.66	Pass	V
3618.00	147	188	-54.12	-13	-41.12	Pass	V
3967.45	148	122	-53.61	-13	-40.61	Pass	V
5729.10	150	213	-46.08	-13	-33.08	Pass	V
6604.00	150	59	-47.55	-13	-34.55	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.
1313.73	154	229	-59.25	-13	-46.25	Pass	H
1700.55	150	204	-49.90	-13	-36.90	Pass	H
3823.65	154	210	-45.36	-13	-32.36	Pass	H
5884.77	145	86	-40.68	-13	-27.68	Pass	H
6553.56	151	101	-44.03	-13	-31.03	Pass	H
8099.98	152	293	-45.58	-13	-32.58	Pass	H
1267.43	150	129	-58.70	-13	-45.70	Pass	V
1388.94	154	11	-54.72	-13	-41.72	Pass	V
3509.91	154	177	-53.95	-13	-40.95	Pass	V
3819.63	146	94	-51.50	-13	-38.50	Pass	V
5711.43	149	241	-44.73	-13	-31.73	Pass	V
6618.66	155	120	-48.63	-13	-35.63	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.
1344.65	150	273	-60.05	-13	-47.05	Pass	H
1591.75	145	253	-47.04	-13	-34.04	Pass	H
3820.15	150	39	-49.99	-13	-36.99	Pass	H
5835.29	151	208	-42.78	-13	-29.78	Pass	H
6597.81	150	9	-41.52	-13	-28.52	Pass	H
8035.23	148	272	-41.41	-13	-28.41	Pass	H
1263.53	152	283	-54.82	-13	-41.82	Pass	V
1346.52	146	79	-58.11	-13	-45.11	Pass	V
3597.65	150	277	-52.52	-13	-39.52	Pass	V
3913.88	152	112	-51.63	-13	-38.63	Pass	V
5821.19	148	126	-45.80	-13	-32.80	Pass	V
6505.44	148	253	-51.51	-13	-38.51	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.
1336.59	151	106	-52.32	-13	-41.45	Pass	H
1685.67	152	14	-52.66	-13	-37.85	Pass	H
3775.48	145	114	-48.21	-13	-35.2	Pass	H
5911.75	152	305	-44.09	-13	-30.39	Pass	H
6545.81	151	188	-46.96	-13	-32.24	Pass	H
8146.02	150	253	-41.60	-13	-30.22	Pass	H
1117.45	155	192	-59.34	-13	-44.9	Pass	V
1481.45	146	357	-54.81	-13	-43.63	Pass	V
3481.44	150	5	-46.32	-13	-35.94	Pass	V
3823.43	146	133	-49.52	-13	-36.01	Pass	V
5912.40	153	83	-43.98	-13	-33.75	Pass	V
6455.97	148	327	-43.82	-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.
1319.45	152	35	-58.71	-13	-45.71	Pass	H
1705.65	155	65	-48.99	-13	-35.99	Pass	H
3963.62	151	199	-41.19	-13	-28.19	Pass	H
5987.51	153	2	-41.16	-13	-28.16	Pass	H
6419.55	151	122	-39.75	-13	-26.75	Pass	H
8018.09	152	35	-46.61	-13	-33.61	Pass	H
1277.48	145	67	-58.32	-13	-45.32	Pass	V
1430.97	147	40	-61.10	-13	-48.10	Pass	V
3592.49	154	173	-51.00	-13	-38.00	Pass	V
3770.66	145	146	-52.35	-13	-39.35	Pass	V
5762.45	150	108	-48.64	-13	-35.64	Pass	V
6531.83	154	59	-42.57	-13	-29.57	Pass	V

Note:

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

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

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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.
1389.58	146	37	-55.04	-13	-42.04	Pass	H
1734.96	153	224	-44.61	-13	-31.61	Pass	H
3783.98	149	303	-49.52	-13	-36.52	Pass	H
5936.66	153	8	-46.04	-13	-33.04	Pass	H
6531.52	150	154	-45.73	-13	-32.73	Pass	H
7935.80	147	198	-43.26	-13	-30.26	Pass	H
1121.04	149	290	-56.28	-13	-43.28	Pass	V
1386.35	152	232	-55.20	-13	-42.20	Pass	V
3588.09	152	213	-46.98	-13	-33.98	Pass	V
3827.41	154	310	-48.49	-13	-35.49	Pass	V
5839.92	148	183	-41.93	-13	-28.93	Pass	V
6492.70	154	106	-50.21	-13	-37.21	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.
1269.79	152	188	-56.07	-13	-43.07	Pass	H
1642.44	146	213	-49.69	-13	-36.69	Pass	H
3949.65	149	205	-47.09	-13	-34.09	Pass	H
5875.96	146	114	-39.41	-13	-26.41	Pass	H
6414.36	151	211	-44.55	-13	-31.55	Pass	H
7969.31	146	28	-45.76	-13	-32.76	Pass	H
1135.69	151	65	-59.65	-13	-46.65	Pass	V
1474.60	147	68	-59.94	-13	-46.94	Pass	V
3509.02	145	320	-45.25	-13	-32.25	Pass	V
3827.95	146	141	-48.08	-13	-35.08	Pass	V
5732.67	147	226	-45.88	-13	-32.88	Pass	V
6479.34	145	61	-48.00	-13	-35.00	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.
1372.45	150	128	-50.48	-13	-37.48	Pass	H
1792.74	154	174	-49.85	-13	-36.85	Pass	H
3999.74	153	40	-42.53	-13	-29.53	Pass	H
5898.24	149	196	-39.23	-13	-26.23	Pass	H
6412.91	149	47	-46.30	-13	-33.30	Pass	H
8163.25	149	264	-45.68	-13	-32.68	Pass	H
1292.91	147	333	-51.00	-13	-38.00	Pass	V
1557.23	146	63	-53.14	-13	-40.14	Pass	V
3569.16	149	318	-53.08	-13	-40.08	Pass	V
3882.94	151	61	-44.88	-13	-31.88	Pass	V
5793.29	147	19	-44.81	-13	-31.81	Pass	V
6464.38	149	1	-44.73	-13	-31.73	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.
1315.44	147	317	-56.43	-13	-43.43	Pass	H
1798.49	146	268	-55.30	-13	-42.30	Pass	H
3899.66	149	187	-47.18	-13	-34.18	Pass	H
5925.19	145	252	-48.21	-13	-35.21	Pass	H
6422.92	155	201	-45.57	-13	-32.57	Pass	H
7899.10	151	121	-50.01	-13	-37.01	Pass	H
1308.50	152	35	-57.90	-13	-44.90	Pass	V
1530.98	146	196	-54.32	-13	-41.32	Pass	V
3480.05	152	216	-51.01	-13	-38.01	Pass	V
3922.64	154	104	-46.90	-13	-33.90	Pass	V
5759.08	152	38	-45.49	-13	-32.49	Pass	V
6624.17	146	147	-44.75	-13	-31.75	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.
1360.69	148	286	-56.58	-13	-43.58	Pass	H
1642.96	152	149	-49.79	-13	-36.79	Pass	H
3914.13	151	290	-50.39	-13	-37.39	Pass	H
5787.05	145	169	-44.10	-13	-31.10	Pass	H
6415.18	152	333	-50.59	-13	-37.59	Pass	H
8017.54	149	356	-46.77	-13	-33.77	Pass	H
1266.48	155	202	-52.94	-13	-39.94	Pass	V
1305.02	147	35	-59.95	-13	-46.95	Pass	V
3535.39	146	131	-49.07	-13	-36.07	Pass	V
3837.64	146	118	-51.25	-13	-38.25	Pass	V
5824.54	148	1	-50.96	-13	-37.96	Pass	V
6533.43	146	118	-49.83	-13	-36.83	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.
1312.76	154	60	-58.02	-13	-45.02	Pass	H
1619.17	153	76	-52.61	-13	-39.61	Pass	H
3820.38	149	229	-46.01	-13	-33.01	Pass	H
5871.59	148	288	-43.18	-13	-30.18	Pass	H
6499.90	154	99	-40.07	-13	-27.07	Pass	H
7942.31	151	227	-43.18	-13	-30.18	Pass	H
1204.37	148	60	-51.28	-13	-38.28	Pass	V
1382.38	151	57	-52.18	-13	-39.18	Pass	V
3493.45	151	96	-48.16	-13	-35.16	Pass	V
3898.96	150	253	-45.90	-13	-32.90	Pass	V
5770.89	149	253	-47.75	-13	-34.75	Pass	V
6488.84	149	292	-49.58	-13	-36.58	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.

9)

QPSK							
Band 38 37775 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1282.44	149	148	-56.62	-25	-31.62	Pass	H
1805.63	147	292	-47.02	-25	-22.02	Pass	H
3852.26	151	358	-52.61	-25	-27.61	Pass	H
5793.99	153	264	-44.69	-25	-19.69	Pass	H
6480.99	150	26	-46.76	-25	-21.76	Pass	H
7907.89	148	29	-47.95	-25	-22.95	Pass	H
1243.19	146	176	-62.92	-25	-37.92	Pass	V
1397.87	149	236	-53.44	-25	-28.44	Pass	V
3639.49	150	319	-47.90	-25	-22.90	Pass	V
3790.53	152	105	-48.09	-25	-23.09	Pass	V
5746.05	155	285	-46.59	-25	-21.59	Pass	V
6627.44	153	352	-44.52	-25	-19.52	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)		
1235.29	152	128	-55.56	-25	-30.56	Pass	H
1625.88	153	304	-51.14	-25	-26.14	Pass	H
3802.16	145	347	-52.61	-25	-27.61	Pass	H
5759.04	153	27	-45.75	-25	-20.75	Pass	H
6398.01	147	268	-44.24	-25	-19.24	Pass	H
7897.97	146	146	-46.82	-25	-21.82	Pass	H
1121.08	149	105	-56.60	-25	-31.60	Pass	V
1340.71	151	205	-57.00	-25	-32.00	Pass	V
3470.54	147	311	-48.05	-25	-23.05	Pass	V
3738.46	152	186	-49.82	-25	-24.82	Pass	V
5703.55	147	349	-43.92	-25	-18.92	Pass	V
6454.45	145	340	-49.92	-25	-24.92	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)			
1382.59	152	260	-57.44	-25	-32.44	Pass	H
1801.45	154	46	-52.09	-25	-27.09	Pass	H
3846.96	152	106	-47.64	-25	-22.64	Pass	H
5805.02	149	8	-41.21	-25	-16.21	Pass	H
6449.09	150	320	-45.15	-25	-20.15	Pass	H
8015.08	145	327	-49.18	-25	-24.18	Pass	H
1259.53	148	49	-55.61	-25	-30.61	Pass	V
1411.48	153	209	-56.93	-25	-31.93	Pass	V
3575.49	148	336	-53.77	-25	-28.77	Pass	V
3913.48	147	325	-53.74	-25	-28.74	Pass	V
5742.02	147	348	-44.12	-25	-19.12	Pass	V
6619.48	150	203	-47.48	-25	-22.48	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)			
1291.18	152	75	-51.97	-25	-26.97	Pass	H
1673.28	153	298	-47.70	-25	-22.70	Pass	H
3830.73	151	180	-50.82	-25	-25.82	Pass	H
5797.52	147	79	-44.66	-25	-19.66	Pass	H
6593.16	145	96	-41.74	-25	-16.74	Pass	H
7952.86	154	126	-40.70	-25	-15.70	Pass	H
1197.83	154	229	-59.33	-25	-34.33	Pass	V
1481.56	149	311	-53.63	-25	-28.63	Pass	V
3474.22	150	255	-49.97	-25	-24.97	Pass	V
3792.38	149	125	-48.20	-25	-23.20	Pass	V
5796.84	151	229	-44.88	-25	-19.88	Pass	V
6466.02	152	294	-49.78	-25	-24.78	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)		
1373.78	149	337	-51.42	-25	-26.42	Pass	H
1717.17	147	315	-55.10	-25	-30.10	Pass	H
3889.02	145	335	-50.64	-25	-25.64	Pass	H
5952.78	149	162	-45.57	-25	-20.57	Pass	H
6543.69	153	358	-52.07	-25	-27.07	Pass	H
7963.81	147	63	-42.44	-25	-17.44	Pass	H
1222.73	151	242	-60.50	-25	-35.50	Pass	V
1376.75	149	130	-59.19	-25	-34.19	Pass	V
3563.69	151	211	-50.07	-25	-25.07	Pass	V
3780.27	150	28	-48.56	-25	-23.56	Pass	V
5780.11	149	70	-44.17	-25	-19.17	Pass	V
6526.33	148	279	-52.68	-25	-27.68	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)		
1239.35	148	246	-53.51	-25	-28.51	Pass	H
1679.11	153	181	-49.54	-25	-24.54	Pass	H
3819.43	148	97	-47.38	-25	-22.38	Pass	H
5791.03	151	59	-50.69	-25	-25.69	Pass	H
6404.08	147	124	-49.63	-25	-24.63	Pass	H
7958.03	151	188	-43.40	-25	-18.40	Pass	H
1311.44	149	336	-61.82	-25	-36.82	Pass	V
1400.91	149	122	-53.70	-25	-28.70	Pass	V
3486.70	148	87	-47.42	-25	-22.42	Pass	V
3772.37	148	163	-50.57	-25	-25.57	Pass	V
5707.54	154	348	-47.69	-25	-22.69	Pass	V
6594.78	148	134	-46.86	-25	-21.86	Pass	V

Note:

10) 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.

11) 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)			
1292.55	151	125	-52.16	-25	-27.16	Pass	H
1608.48	145	193	-46.15	-25	-21.15	Pass	H
3924.24	145	329	-44.30	-25	-19.30	Pass	H
5967.37	153	45	-41.21	-25	-16.21	Pass	H
6448.66	151	277	-45.54	-25	-20.54	Pass	H
8072.22	154	149	-46.84	-25	-21.84	Pass	H
1275.65	146	183	-55.00	-25	-30.00	Pass	V
1537.17	154	248	-58.10	-25	-33.10	Pass	V
3636.81	152	58	-50.72	-25	-25.72	Pass	V
3875.46	153	267	-51.16	-25	-26.16	Pass	V
5840.67	151	282	-43.00	-25	-18.00	Pass	V
6512.28	148	218	-48.27	-25	-23.27	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)			
1290.49	150	231	-59.04	-25	-34.04	Pass	H
1684.53	145	324	-46.77	-25	-21.77	Pass	H
3945.06	150	288	-46.14	-25	-21.14	Pass	H
5933.32	151	249	-39.81	-25	-14.81	Pass	H
6561.35	145	182	-40.98	-25	-15.98	Pass	H
8083.20	150	262	-43.07	-25	-18.07	Pass	H
1126.03	145	104	-55.84	-25	-30.84	Pass	V
1388.45	145	101	-57.92	-25	-32.92	Pass	V
3641.54	147	57	-49.98	-25	-24.98	Pass	V
3775.91	146	328	-50.74	-25	-25.74	Pass	V
5822.39	155	169	-47.25	-25	-22.25	Pass	V
6513.68	146	99	-43.38	-25	-18.38	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1259.83	153	292	-53.86	-25	-28.86	Pass	H
1738.41	152	353	-50.62	-25	-25.62	Pass	H
3912.62	155	69	-47.48	-25	-22.48	Pass	H
5879.92	146	303	-45.82	-25	-20.82	Pass	H
6480.72	147	128	-43.71	-25	-18.71	Pass	H
8160.47	150	225	-43.00	-25	-18.00	Pass	H
1215.50	154	64	-52.19	-25	-27.19	Pass	V
1501.72	149	118	-58.95	-25	-33.95	Pass	V
3524.04	149	280	-50.92	-25	-25.92	Pass	V
3791.69	146	206	-53.86	-25	-28.86	Pass	V
5861.26	154	218	-42.54	-25	-17.54	Pass	V
6498.24	150	356	-45.10	-25	-20.10	Pass	V

16QAM-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)			
1316.60	145	91	-50.35	-25	-25.35	Pass	H
1638.74	153	249	-49.66	-25	-24.66	Pass	H
3893.18	154	49	-43.88	-25	-18.88	Pass	H
5968.08	151	204	-40.74	-25	-15.74	Pass	H
6458.80	155	267	-41.22	-25	-16.22	Pass	H
8115.03	155	273	-43.50	-25	-18.50	Pass	H
1167.67	154	93	-55.71	-25	-30.71	Pass	V
1505.82	155	335	-61.70	-25	-36.70	Pass	V
3632.75	146	345	-52.31	-25	-27.31	Pass	V
3748.56	145	182	-54.16	-25	-29.16	Pass	V
5799.39	149	280	-49.64	-25	-24.64	Pass	V
6645.09	146	101	-46.79	-25	-21.79	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)		
1332.04	152	278	-53.98	-25	-28.98	Pass	H
1690.64	146	162	-48.08	-25	-23.08	Pass	H
3907.52	148	102	-45.20	-25	-20.20	Pass	H
5881.38	151	240	-42.60	-25	-17.60	Pass	H
6555.00	153	61	-46.17	-25	-21.17	Pass	H
8142.68	147	351	-44.95	-25	-19.95	Pass	H
1223.86	145	233	-55.85	-25	-30.85	Pass	V
1388.44	149	341	-58.71	-25	-33.71	Pass	V
3509.82	148	339	-50.83	-25	-25.83	Pass	V
3916.24	151	78	-51.14	-25	-26.14	Pass	V
5728.09	146	201	-49.05	-25	-24.05	Pass	V
6657.18	155	58	-44.87	-25	-19.87	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)		
1307.90	145	312	-58.32	-25	-33.32	Pass	H
1728.09	147	156	-49.85	-25	-24.85	Pass	H
3969.13	153	186	-45.19	-25	-20.19	Pass	H
5843.69	149	282	-43.81	-25	-18.81	Pass	H
6458.48	149	318	-43.63	-25	-18.63	Pass	H
8176.15	153	196	-39.59	-25	-14.59	Pass	H
1228.76	146	254	-54.99	-25	-29.99	Pass	V
1393.74	145	244	-58.59	-25	-33.59	Pass	V
3525.39	146	296	-54.68	-25	-29.68	Pass	V
3738.13	155	304	-46.94	-25	-21.94	Pass	V
5798.74	148	254	-44.86	-25	-19.86	Pass	V
6552.52	154	229	-49.63	-25	-24.63	Pass	V

Note:

12) 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.

13) 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)			
1427.61	153	203	-58.27	-40	-18.27	Pass	H
1785.44	154	142	-48.92	-40	-8.92	Pass	H
3873.82	153	215	-50.55	-40	-10.55	Pass	H
5951.56	154	243	-48.25	-40	-8.25	Pass	H
6412.34	146	131	-47.84	-40	-7.84	Pass	H
8064.38	150	133	-45.36	-40	-5.36	Pass	H
1141.93	147	285	-56.72	-40	-16.72	Pass	V
1347.51	150	90	-56.97	-40	-16.97	Pass	V
3604.24	153	229	-49.95	-40	-9.95	Pass	V
3863.90	148	116	-44.19	-40	-4.19	Pass	V
5782.38	152	307	-46.29	-40	-6.29	Pass	V
6529.77	146	42	-45.28	-40	-5.28	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)			
1278.25	148	67	-59.62	-40	-19.62	Pass	H
1800.76	146	12	-52.89	-40	-12.89	Pass	H
3822.67	153	349	-49.05	-40	-9.05	Pass	H
5940.94	153	141	-46.00	-40	-6.00	Pass	H
6416.05	145	118	-47.22	-40	-7.22	Pass	H
8068.35	151	57	-42.41	-40	-2.41	Pass	H
1255.65	147	109	-59.61	-40	-19.61	Pass	V
1450.57	146	236	-57.54	-40	-17.54	Pass	V
3474.03	147	124	-49.24	-40	-9.24	Pass	V
3936.67	146	132	-47.78	-40	-7.78	Pass	V
5868.21	148	0	-49.02	-40	-9.02	Pass	V
6552.43	147	114	-44.93	-40	-4.93	Pass	V

Band 40A 38775 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1234.65	155	279	-53.94	-40	-13.94	Pass	H
1634.84	153	225	-49.98	-40	-9.98	Pass	H
3773.17	149	68	-50.36	-40	-10.36	Pass	H
6005.77	146	246	-45.91	-40	-5.91	Pass	H
6573.92	148	67	-44.09	-40	-4.09	Pass	H
8088.36	148	267	-46.79	-40	-6.79	Pass	H
1190.54	150	122	-60.89	-40	-20.89	Pass	V
1424.51	151	252	-62.55	-40	-22.55	Pass	V
3620.45	146	34	-51.88	-40	-11.88	Pass	V
3831.23	150	37	-50.76	-40	-10.76	Pass	V
5862.56	152	101	-48.25	-40	-8.25	Pass	V
6476.97	147	16	-47.98	-40	-5.68	Pass	V
16QAM							
Band 40A 38725 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1425.38	147	241	-55.06	-40	-15.06	Pass	H
1769.75	145	297	-48.78	-40	-8.78	Pass	H
3795.03	154	179	-49.04	-40	-9.04	Pass	H
5955.68	153	213	-47.35	-40	-7.35	Pass	H
6485.61	154	231	-48.33	-40	-8.33	Pass	H
8105.29	151	184	-43.21	-40	-3.21	Pass	H
1109.94	147	165	-59.55	-40	-19.55	Pass	V
1311.13	151	42	-58.42	-40	-18.42	Pass	V
3452.72	151	190	-54.18	-40	-14.18	Pass	V
3882.30	150	11	-50.97	-40	-10.97	Pass	V
5851.46	145	76	-47.49	-40	-7.49	Pass	V
6502.62	148.82	97.54	-44.90	-40	-4.90	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)		
1359.87	150	269	-57.28	-40	-17.28	Pass	H
1772.34	150	16	-51.21	-40	-11.21	Pass	H
3801.06	147	358	-50.34	-40	-10.34	Pass	H
6003.90	148	291	-44.05	-40	-4.05	Pass	H
6551.01	145	153	-47.96	-40	-7.96	Pass	H
7990.60	146	50	-44.57	-40	-4.57	Pass	H
1171.77	149	150	-54.44	-40	-14.44	Pass	V
1405.30	149	131	-61.61	-40	-21.61	Pass	V
3448.22	153	90	-49.57	-40	-9.57	Pass	V
3948.80	155	232	-50.15	-40	-10.15	Pass	V
5864.47	145	151	-44.33	-40	-4.33	Pass	V
6589.28	147	352	-45.14	-40	-5.14	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)		
1234.85	152	152	-58.19	-40	-18.19	Pass	H
1756.85	146	346	-49.08	-40	-9.08	Pass	H
3826.43	147	333	-48.18	-40	-8.18	Pass	H
6026.24	146	338	-46.31	-40	-6.31	Pass	H
6465.57	153	73	-48.03	-40	-8.03	Pass	H
8132.94	153	222	-44.59	-40	-4.59	Pass	H
1118.26	148	315	-56.89	-40	-16.89	Pass	V
1432.13	145	196	-61.68	-40	-21.68	Pass	V
3583.25	148	46	-48.93	-40	-8.93	Pass	V
3859.53	146	62	-46.85	-40	-6.85	Pass	V
5845.46	151	294	-43.61	-40	-3.61	Pass	V
6503.33	151	66	-45.55	-40	-5.55	Pass	V

Note:

14) 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.

15) 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 (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)					
1422.87	147	141	-55.41	-40	-15.41	Pass	H
1753.35	150	116	-48.89	-40	-8.89	Pass	H
3900.27	148	335	-47.34	-40	-7.34	Pass	H
5983.36	147	213	-44.26	-40	-4.26	Pass	H
6410.73	149	181	-45.96	-40	-5.96	Pass	H
8129.15	154	33	-45.88	-40	-5.88	Pass	H
1278.69	152	133	-57.72	-40	-17.72	Pass	V
1405.83	151	199	-60.50	-40	-20.50	Pass	V
3464.46	153	55	-49.98	-40	-9.98	Pass	V
3780.19	152	180	-49.94	-40	-9.94	Pass	V
5897.37	148	152	-48.20	-40	-8.20	Pass	V
6420.75	148	55	-45.66	-40	-5.66	Pass	V
Band 40B 39200 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)					
1419.82	147	239	-54.34	-40	-14.34	Pass	H
1799.89	153	43	-49.08	-40	-9.08	Pass	H
3769.45	149	344	-48.66	-40	-8.66	Pass	H
5919.32	151	150	-43.89	-40	-3.89	Pass	H
6439.56	147	74	-47.15	-40	-7.15	Pass	H
8153.35	154	204	-46.24	-40	-6.24	Pass	H
1118.46	152	223	-55.96	-40	-15.96	Pass	V
1421.38	146	40	-56.91	-40	-16.91	Pass	V
3615.64	154	138	-49.82	-40	-9.82	Pass	V
3938.08	147	7	-50.43	-40	-10.43	Pass	V
5917.40	147	318	-46.56	-40	-6.56	Pass	V
6612.30	145	184	-45.68	-40	-5.68	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)		
1299.33	147	236	-56.96	-40	-16.96	Pass	H
1741.35	151	293	-51.40	-40	-11.40	Pass	H
3932.54	147	108	-50.78	-40	-10.78	Pass	H
5899.43	152	233	-45.69	-40	-5.69	Pass	H
6494.35	154	300	-48.81	-40	-8.81	Pass	H
8088.43	146	127	-45.39	-40	-5.39	Pass	H
1251.63	154	311	-56.13	-40	-16.13	Pass	V
1440.76	154	244	-58.81	-40	-18.81	Pass	V
3589.52	148	24	-52.62	-40	-12.62	Pass	V
3869.02	150	91	-51.14	-40	-11.14	Pass	V
5735.99	155	158	-47.25	-40	-7.25	Pass	V
6580.40	153	92	-44.40	-40	-4.40	Pass	V
16QAM							
Band 40B 39175 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1254.66	149	217	-53.84	-40	-13.84	Pass	H
1822.01	150	155	-47.78	-40	-7.78	Pass	H
3813.27	151	16	-49.58	-40	-9.58	Pass	H
5887.88	153	170	-46.61	-40	-6.61	Pass	H
6593.08	152	336	-48.96	-40	-8.96	Pass	H
8109.32	148	317	-44.63	-40	-4.63	Pass	H
1110.30	146	146	-60.05	-40	-20.05	Pass	V
1363.04	147	80	-60.17	-40	-20.17	Pass	V
3491.40	150	310	-51.50	-40	-11.50	Pass	V
3889.40	146	245	-48.36	-40	-8.36	Pass	V
5748.07	146	294	-46.65	-40	-6.65	Pass	V
6576.73	152	275	-48.85	-40	-8.85	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)		
1416.18	145	177	-55.14	-40	-15.14	Pass	H
1722.63	146	341	-45.85	-40	-5.85	Pass	H
3785.25	146	352	-48.10	-40	-8.10	Pass	H
5863.77	145	336	-44.25	-40	-4.25	Pass	H
6596.06	146	280	-44.04	-40	-4.04	Pass	H
8079.21	146	336	-47.37	-40	-7.37	Pass	H
1276.16	145	97	-59.02	-40	-19.02	Pass	V
1284.75	146	338	-60.87	-40	-20.87	Pass	V
3514.75	145	124	-52.38	-40	-12.38	Pass	V
3856.03	146	158	-51.07	-40	-11.07	Pass	V
5799.25	145	342	-47.14	-40	-7.14	Pass	V
6560.15	146	311	-46.56	-40	-6.56	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)		
1319.38	148	90	-52.12	-40	-12.12	Pass	H
1799.71	150	346	-49.00	-40	-9.00	Pass	H
3875.97	152	167	-46.37	-40	-6.37	Pass	H
5972.19	147	78	-46.53	-40	-6.53	Pass	H
6471.53	153	163	-48.80	-40	-8.80	Pass	H
8118.58	147	233	-44.35	-40	-4.35	Pass	H
1164.33	146	163	-57.44	-40	-17.44	Pass	V
1434.32	148	337	-58.14	-40	-18.14	Pass	V
3591.69	152	163	-48.90	-40	-8.90	Pass	V
3818.68	152	341	-51.86	-40	-11.86	Pass	V
5821.61	145	54	-49.18	-40	-9.18	Pass	V
6453.95	151	40	-44.25	-40	-4.25	Pass	V

Note:

16) 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.

17) 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.
1327.61	153	196	-55.64	-13	-42.64	Pass	H
1760.20	159	75	-47.24	-13	-34.24	Pass	H
3876.84	149	121	-45.32	-13	-32.32	Pass	H
5833.19	151	316	-46.26	-13	-33.26	Pass	H
6471.97	142	12	-41.66	-13	-28.66	Pass	H
7986.41	149	195	-44.99	-13	-31.99	Pass	H
1301.60	149	158	-54.94	-13	-41.94	Pass	V
1388.23	150	311	-55.98	-13	-42.98	Pass	V
3567.05	158	237	-52.25	-13	-39.25	Pass	V
3737.88	157	243	-49.29	-13	-36.29	Pass	V
5808.06	149	81	-47.64	-13	-34.64	Pass	V
6557.70	157	84	-47.72	-13	-34.72	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.
1324.38	150	24	-53.41	-13	-40.41	Pass	H
1782.13	146	300	-50.66	-13	-37.66	Pass	H
3961.61	150	0	-48.95	-13	-35.95	Pass	H
5816.10	146	338	-45.51	-13	-32.51	Pass	H
6426.35	149	175	-46.55	-13	-33.55	Pass	H
8103.54	151	16	-46.79	-13	-33.79	Pass	H
1311.62	149	266	-51.48	-13	-38.48	Pass	V
1402.04	148	2	-57.17	-13	-44.17	Pass	V
3657.27	147	315	-52.73	-13	-39.73	Pass	V
3850.78	148	317	-53.60	-13	-40.60	Pass	V
5773.71	150	168	-47.81	-13	-34.81	Pass	V
6460.29	150	138	-47.14	-13	-34.14	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.
1351.25	153	203	-57.22	-13	-44.22	Pass	H
1755.68	155	268	-51.13	-13	-38.13	Pass	H
3857.85	145	148	-48.31	-13	-35.31	Pass	H
5872.43	152	265	-42.24	-13	-29.24	Pass	H
6546.43	151	301	-41.74	-13	-28.74	Pass	H
7903.48	147	293	-44.78	-13	-31.78	Pass	H
1324.41	150	99	-58.28	-13	-45.28	Pass	V
1392.72	153	331	-57.62	-13	-44.62	Pass	V
3497.12	152	28	-53.22	-13	-40.22	Pass	V
4001.05	148	210	-49.86	-13	-36.86	Pass	V
5720.15	146	296	-43.85	-13	-30.85	Pass	V
6630.10	145	29	-47.21	-13	-34.21	Pass	V

16QAM

Band 66 131979 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1410.56	146	81	-56.11	-13	-43.11	Pass	H
1695.67	145	2	-50.43	-13	-37.43	Pass	H
3842.92	150	204	-45.92	-13	-32.92	Pass	H
5999.37	146	137	-47.60	-13	-34.60	Pass	H
6641.88	151	310	-43.22	-13	-30.22	Pass	H
8072.16	147	188	-40.17	-13	-27.17	Pass	H
1124.96	147	32	-53.59	-13	-40.59	Pass	V
1461.95	149	12	-55.27	-13	-42.27	Pass	V
3645.08	151	322	-50.07	-13	-37.07	Pass	V
3958.70	147	317	-53.08	-13	-40.08	Pass	V
5947.99	149	320	-46.08	-13	-33.08	Pass	V
6604.66	150	172	-47.99	-13	-34.99	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.
1384.43	146	21	-55.60	-13	-41.45	Pass	H
1673.72	148	308	-47.19	-13	-37.85	Pass	H
3892.02	151	267	-45.35	-13	-35.2	Pass	H
5984.58	148	89	-45.35	-13	-30.39	Pass	H
6416.41	146	344	-41.79	-13	-32.24	Pass	H
8037.44	152	326	-42.33	-13	-30.22	Pass	H
1101.09	147	279	-57.12	-13	-44.9	Pass	V
1389.85	149	235	-57.36	-13	-43.63	Pass	V
3583.05	150	104	-47.04	-13	-35.94	Pass	V
3936.46	155	203	-50.61	-13	-36.01	Pass	V
5822.50	154	48	-47.73	-13	-33.75	Pass	V
6464.67	151	134	-46.49	-13	-32.41	Pass	V
Band 66 132665 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1432.08	145	318	-56.76	-13	-43.76	Pass	H
1717.60	150	179	-49.44	-13	-36.44	Pass	H
3846.80	150	254	-41.09	-13	-28.09	Pass	H
5802.94	153	183	-42.28	-13	-29.28	Pass	H
6451.99	155	199	-43.04	-13	-30.04	Pass	H
8123.74	154	176	-44.53	-13	-31.53	Pass	H
1288.64	148	358	-57.08	-13	-44.08	Pass	V
1406.59	145	1	-60.44	-13	-47.44	Pass	V
3611.15	152	347	-46.93	-13	-33.93	Pass	V
3811.35	146	299	-53.53	-13	-40.53	Pass	V
5868.30	150	59	-48.74	-13	-35.74	Pass	V
6548.25	152	205	-45.81	-13	-32.81	Pass	V

Note:

18) 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.

19) 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

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