



TEST REPORT

Test item description: GPS Tracker
FCC ID: 2BV4I-HW01
Trademark(s): FleetBold
Model/Type reference: HW01, HW02, HW03
Applicant's name: FleetBold LLC
Address: 6216 Dunn Ave Jacksonville, FL 32218, United States
Manufacturer: Shenzhen Daovay Technology Co.,Ltd
Address: Room 518, Building C, Yijietong New Retail Digital Industrial Park, Baoan District, Shenzhen, China
Prepared By: Shenzhen CTB Testing Technology Co., Ltd.
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Sample Received Date: Apr. 01, 2026
Sample tested Date: Apr. 01, 2026 to May. 06, 2026
Issue Date: May. 06, 2026
Report No.: CTB26040101501RF01
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. The tested sample(s) and the sample information are provided by the applicant. The authenticity, accuracy, and completeness of the provided information are the sole responsibility of the applicant. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The result decision rules of our laboratory are based solely on the direct comparison between the actual measured values of test results and the standard limits, without considering the measurement uncertainty. "★" 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
CTB26040101501RF01	May. 06, 2026	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

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

. Remark:

Test according to ANSI C63.10-2020

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:	HW01, HW02, HW03
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: HW01
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: 23.99dBm FDD-LTE BAND 4: 24.55dBm FDD-LTE BAND 5: 24.04dBm FDD-LTE BAND 7: 23.84dBm FDD-LTE BAND 66: 24.28dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	External antenna
Antenna Gain:	FDD-LTE BAND 2: 0.36dBi FDD-LTE BAND 4: 0.37dBi FDD-LTE BAND 5: -1.94dBi FDD-LTE BAND 7: 1.06dBi FDD-LTE BAND 66: 0.32dBi
Ratings:	DC12V

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	DC power	LONGWEI	TPR-12002D	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	FDD-LTE BAND 66	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	12V
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.

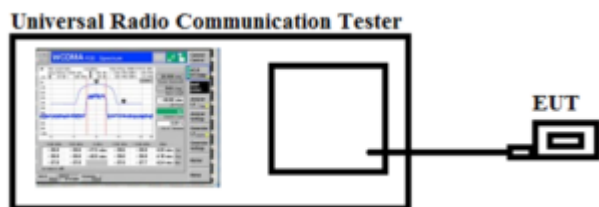
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

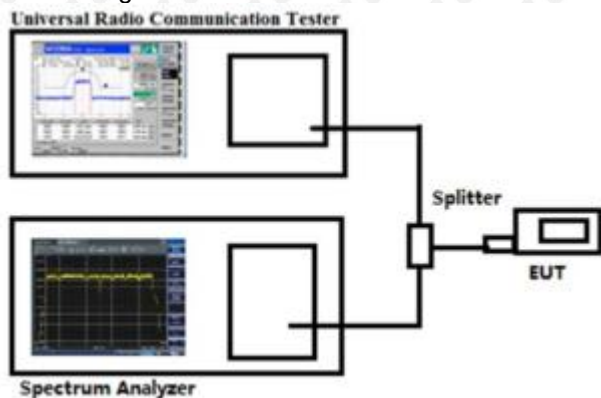
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

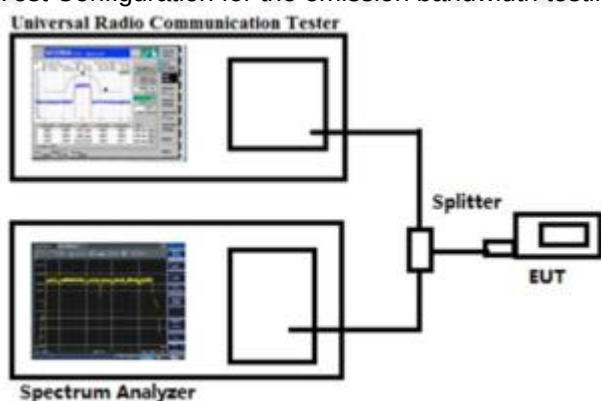
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

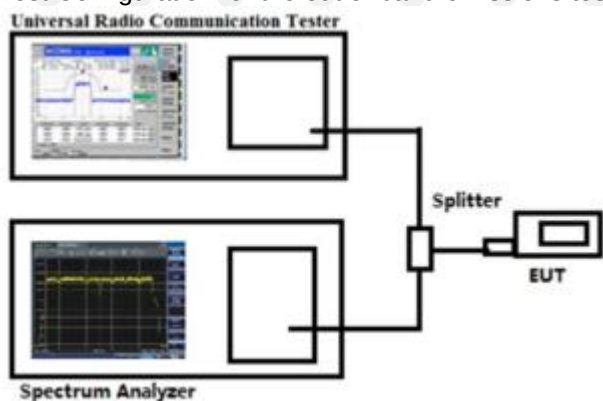
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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 $43 + 10 \log(P)$ 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.
1252.77	143	225	-56.56	-13	-43.56	Pass	H
1719.45	159	109	-50.34	-13	-37.34	Pass	H
3985.68	155	355	-44.78	-13	-31.78	Pass	H
5837.75	158	43	-46.69	-13	-33.69	Pass	H
6442.45	154	93	-44.87	-13	-31.87	Pass	H
8151.62	157	4	-42.90	-13	-29.90	Pass	H
1219.11	144	281	-52.93	-13	-39.93	Pass	V
1556.74	143	184	-57.38	-13	-44.38	Pass	V
3561.50	156	172	-51.14	-13	-38.14	Pass	V
3793.62	149	86	-51.00	-13	-38.00	Pass	V
5790.81	158	189	-50.06	-13	-37.06	Pass	V
6578.54	146	126	-48.94	-13	-35.94	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.
1269.93	150	310	-58.07	-13	-45.07	Pass	H
1748.67	146	204	-50.09	-13	-37.09	Pass	H
3903.65	150	337	-51.92	-13	-38.92	Pass	H
5873.66	146	323	-44.82	-13	-31.82	Pass	H
6373.78	149	151	-51.14	-13	-38.14	Pass	H
7943.97	151	290	-48.81	-13	-35.81	Pass	H
1277.16	149	270	-55.31	-13	-42.31	Pass	V
1409.49	148	252	-56.75	-13	-43.75	Pass	V
3596.41	147	17	-50.90	-13	-37.90	Pass	V
3899.44	148	32	-51.90	-13	-38.90	Pass	V
5812.53	150	56	-48.12	-13	-35.12	Pass	V
6458.23	150	56	-46.79	-13	-33.79	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.
1286.17	145	223	-55.11	-13	-42.11	Pass	H
1681.68	153	149	-50.23	-13	-37.23	Pass	H
3812.60	151	60	-46.92	-13	-33.92	Pass	H
5973.19	151	73	-42.65	-13	-29.65	Pass	H
6515.57	150	115	-42.96	-13	-29.96	Pass	H
7945.28	153	53	-44.37	-13	-31.37	Pass	H
1320.56	148	158	-54.12	-13	-41.12	Pass	V
1423.16	155	10	-55.26	-13	-42.26	Pass	V
3495.61	151	304	-50.74	-13	-37.74	Pass	V
3825.25	146	45	-49.41	-13	-36.41	Pass	V
5798.44	148	73	-44.45	-13	-31.45	Pass	V
6485.75	150	215	-47.06	-13	-34.06	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.
1277.57	147	5	-60.59	-13	-47.59	Pass	H
1681.32	152	204	-45.95	-13	-32.95	Pass	H
3931.54	151	161	-49.78	-13	-36.78	Pass	H
5839.21	154	193	-46.07	-13	-33.07	Pass	H
6485.30	147	343	-45.46	-13	-32.46	Pass	H
8013.50	151	339	-42.22	-13	-29.22	Pass	H
1138.52	153	345	-50.13	-13	-37.13	Pass	V
1380.55	148	201	-53.65	-13	-40.65	Pass	V
3552.99	149	39	-53.04	-13	-40.04	Pass	V
3986.21	148	9	-51.55	-13	-38.55	Pass	V
5774.04	146	114	-44.30	-13	-31.30	Pass	V
6656.51	148	168	-46.71	-13	-33.71	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.
1275.10	148	179	-56.71	-13	-41.45	Pass	H
1782.20	154	16	-47.81	-13	-37.85	Pass	H
3808.55	151	224	-45.26	-13	-35.2	Pass	H
5838.58	145	342	-44.45	-13	-30.39	Pass	H
6541.93	149	110	-44.70	-13	-32.24	Pass	H
8057.09	149	6	-44.51	-13	-30.22	Pass	H
1242.84	145	352	-54.90	-13	-44.9	Pass	V
1300.13	150	57	-55.99	-13	-43.63	Pass	V
3492.22	146	308	-49.84	-13	-35.94	Pass	V
3883.82	153	157	-51.47	-13	-36.01	Pass	V
5760.53	145	354	-42.99	-13	-33.75	Pass	V
6601.28	154	264	-46.48	-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.
1357.85	151	122	-52.93	-13	-39.93	Pass	H
1681.22	154	337	-46.16	-13	-33.16	Pass	H
3948.11	151	122	-40.98	-13	-27.98	Pass	H
5983.48	150	216	-44.53	-13	-31.53	Pass	H
6510.95	148	356	-37.73	-13	-24.73	Pass	H
7989.96	153	232	-45.84	-13	-32.84	Pass	H
1157.88	150	171	-52.32	-13	-39.32	Pass	V
1508.88	145	76	-61.17	-13	-48.17	Pass	V
3556.04	151	242	-49.28	-13	-36.28	Pass	V
3786.14	153	213	-48.49	-13	-35.49	Pass	V
5707.08	152	228	-45.39	-13	-32.39	Pass	V
6461.43	154	19	-44.96	-13	-31.96	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.
1339.12	146	31	-55.04	-13	-42.04	Pass	H
1688.67	147	56	-50.05	-13	-37.05	Pass	H
3920.95	152	201	-52.40	-13	-39.40	Pass	H
5935.60	151	40	-44.75	-13	-31.75	Pass	H
6551.33	149	16	-44.28	-13	-31.28	Pass	H
7985.77	147	171	-44.80	-13	-31.80	Pass	H
1117.32	148	318	-53.31	-13	-40.31	Pass	V
1437.04	154	264	-54.99	-13	-41.99	Pass	V
3685.62	152	47	-51.64	-13	-38.64	Pass	V
3832.36	152	265	-48.58	-13	-35.58	Pass	V
5783.48	149	53	-42.26	-13	-29.26	Pass	V
6580.10	155	350	-45.10	-13	-32.10	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.
1295.46	154	202	-51.01	-13	-38.01	Pass	H
1699.22	153	123	-50.28	-13	-37.28	Pass	H
3937.58	151	263	-46.67	-13	-33.67	Pass	H
5916.08	153	227	-38.60	-13	-25.60	Pass	H
6467.20	149	255	-42.63	-13	-29.63	Pass	H
7968.45	146	135	-43.56	-13	-30.56	Pass	H
1103.40	152	144	-54.02	-13	-41.02	Pass	V
1476.96	153	169	-57.76	-13	-44.76	Pass	V
3610.58	152	254	-48.05	-13	-35.05	Pass	V
3812.87	146	293	-46.00	-13	-33.00	Pass	V
5774.48	153	256	-46.78	-13	-33.78	Pass	V
6575.53	150	238	-43.92	-13	-30.92	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.
1245.53	153	153	-56.60	-13	-43.60	Pass	H
1651.24	154	131	-45.14	-13	-32.14	Pass	H
3855.62	150	72	-41.13	-13	-28.13	Pass	H
5813.17	153	2	-44.33	-13	-31.33	Pass	H
6606.01	155	291	-44.28	-13	-31.28	Pass	H
8002.22	149	67	-44.55	-13	-31.55	Pass	H
1228.36	149	164	-56.04	-13	-43.04	Pass	V
1503.31	148	178	-55.57	-13	-42.57	Pass	V
3606.79	154	27	-46.80	-13	-33.80	Pass	V
3738.50	148	317	-48.11	-13	-35.11	Pass	V
5869.57	149	189	-49.39	-13	-36.39	Pass	V
6565.19	152	344	-45.24	-13	-32.24	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.
1249.40	148	242	-54.44	-13	-41.44	Pass	H
1772.86	153	10	-49.07	-13	-36.07	Pass	H
3919.84	155	79	-49.84	-13	-36.84	Pass	H
5898.62	154	156	-48.80	-13	-35.80	Pass	H
6584.73	147	13	-46.74	-13	-33.74	Pass	H
7955.80	151	323	-46.82	-13	-33.82	Pass	H
1313.56	150	165	-58.29	-13	-45.29	Pass	V
1534.73	145	52	-55.72	-13	-42.72	Pass	V
3664.76	148	46	-52.16	-13	-39.16	Pass	V
3862.79	147	119	-47.56	-13	-34.56	Pass	V
5870.81	152	156	-44.20	-13	-31.20	Pass	V
6499.72	153	359	-47.53	-13	-34.53	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.
1282.71	155	91	-54.10	-13	-41.10	Pass	H
1713.88	150	170	-50.33	-13	-37.33	Pass	H
3875.43	151	303	-51.12	-13	-38.12	Pass	H
5790.72	154	59	-44.18	-13	-31.18	Pass	H
6497.14	154	141	-53.07	-13	-40.07	Pass	H
8097.98	150	28	-42.11	-13	-29.11	Pass	H
1134.08	146	230	-56.92	-13	-43.92	Pass	V
1489.39	152	107	-62.99	-13	-49.99	Pass	V
3627.87	151	254	-54.44	-13	-41.44	Pass	V
3937.51	152	49	-50.51	-13	-37.51	Pass	V
5776.82	155	69	-47.95	-13	-34.95	Pass	V
6588.58	155	63	-50.93	-13	-37.93	Pass	V
Band 4 20393 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1323.89	145	109	-55.32	-13	-42.32	Pass	H
1580.78	148	170	-48.12	-13	-35.12	Pass	H
3819.27	152	278	-47.81	-13	-34.81	Pass	H
5900.41	154	328	-39.48	-13	-26.48	Pass	H
6502.43	152	146	-43.43	-13	-30.43	Pass	H
7982.27	153	119	-46.13	-13	-33.13	Pass	H
1239.92	146	347	-56.83	-13	-43.83	Pass	V
1390.23	152	83	-55.51	-13	-42.51	Pass	V
3426.91	150	125	-53.04	-13	-40.04	Pass	V
3886.82	147	8	-46.25	-13	-33.25	Pass	V
5733.89	146	39	-42.85	-13	-29.85	Pass	V
6529.29	154	230	-48.10	-13	-35.10	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.
1253.81	142	115	-57.09	-13	-44.09	Pass	H
1706.62	159	171	-50.92	-13	-37.92	Pass	H
3933.56	149	126	-46.35	-13	-33.35	Pass	H
5958.82	141	148	-42.03	-13	-29.03	Pass	H
6559.31	152	223	-43.20	-13	-30.20	Pass	H
8162.11	142	112	-44.62	-13	-31.62	Pass	H
1247.91	153	283	-55.47	-13	-42.47	Pass	V
1464.73	157	223	-58.16	-13	-45.16	Pass	V
3541.07	156	298	-48.07	-13	-35.07	Pass	V
3731.85	149	236	-49.25	-13	-36.25	Pass	V
5824.17	159	280	-46.33	-13	-33.33	Pass	V
6620.88	156	90	-45.15	-13	-32.15	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.
1264.24	150	52	-55.54	-13	-42.54	Pass	H
1796.77	146	90	-51.24	-13	-38.24	Pass	H
3874.04	150	104	-53.40	-13	-40.40	Pass	H
5802.60	146	317	-42.90	-13	-29.90	Pass	H
6483.60	149	15	-46.40	-13	-33.40	Pass	H
8118.87	151	272	-48.24	-13	-35.24	Pass	H
1254.33	149	325	-55.83	-13	-42.83	Pass	V
1456.38	148	53	-60.67	-13	-47.67	Pass	V
3590.79	147	222	-52.14	-13	-39.14	Pass	V
3896.68	148	211	-52.74	-13	-39.74	Pass	V
5762.00	150	87	-49.87	-13	-36.87	Pass	V
6505.71	150	31	-47.78	-13	-34.78	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.
1289.76	154	283	-56.33	-13	-43.33	Pass	H
1768.69	149	77	-53.09	-13	-40.09	Pass	H
3925.04	147	76	-47.94	-13	-34.94	Pass	H
5996.06	151	80	-42.06	-13	-29.06	Pass	H
6606.49	147	287	-44.16	-13	-31.16	Pass	H
8086.89	145	57	-42.51	-13	-29.51	Pass	H
1224.60	152	196	-57.50	-13	-44.50	Pass	V
1344.13	150	90	-55.90	-13	-42.90	Pass	V
3592.54	154	343	-54.45	-13	-41.45	Pass	V
4009.20	153	88	-51.48	-13	-38.48	Pass	V
5719.53	153	216	-45.53	-13	-32.53	Pass	V
6508.09	152	60	-49.56	-13	-36.56	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.
1315.96	151	103	-60.68	-13	-47.68	Pass	H
1737.94	149	351	-45.90	-13	-32.90	Pass	H
3891.64	152	106	-46.40	-13	-33.40	Pass	H
5888.84	145	359	-47.78	-13	-34.78	Pass	H
6544.98	151	302	-45.45	-13	-32.45	Pass	H
8033.34	152	175	-45.30	-13	-32.30	Pass	H
1237.37	146	26	-53.32	-13	-40.32	Pass	V
1366.12	150	55	-57.85	-13	-44.85	Pass	V
3663.19	145	257	-54.06	-13	-41.06	Pass	V
3905.97	151	37	-52.01	-13	-39.01	Pass	V
5857.96	153	45	-43.97	-13	-30.97	Pass	V
6581.98	151	301	-52.28	-13	-39.28	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.
1400.00	151	178	-53.24	-13	-41.45	Pass	H
1674.47	146	54	-46.99	-13	-37.85	Pass	H
3947.18	148	295	-48.29	-13	-35.2	Pass	H
5828.52	148	161	-41.85	-13	-30.39	Pass	H
6440.77	148	231	-48.11	-13	-32.24	Pass	H
8055.30	152	159	-41.01	-13	-30.22	Pass	H
1191.04	151	107	-58.74	-13	-44.9	Pass	V
1397.37	154	103	-54.82	-13	-43.63	Pass	V
3586.49	150	241	-46.77	-13	-35.94	Pass	V
3769.15	148	192	-48.54	-13	-36.01	Pass	V
5866.73	146	75	-46.93	-13	-33.75	Pass	V
6501.03	152	113	-47.05	-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.
1264.22	150	125	-53.40	-13	-40.40	Pass	H
1785.29	153	103	-49.74	-13	-36.74	Pass	H
3925.08	151	14	-41.54	-13	-28.54	Pass	H
5981.13	154	95	-42.07	-13	-29.07	Pass	H
6466.83	151	354	-41.04	-13	-28.04	Pass	H
8173.94	150	95	-45.93	-13	-32.93	Pass	H
1158.20	153	132	-54.75	-13	-41.75	Pass	V
1551.03	147	44	-55.75	-13	-42.75	Pass	V
3549.94	152	173	-49.51	-13	-36.51	Pass	V
3889.21	146	24	-47.13	-13	-34.13	Pass	V
5752.53	153	215	-47.15	-13	-34.15	Pass	V
6504.32	147	255	-45.16	-13	-32.16	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.
1309.90	148	320	-53.98	-13	-40.98	Pass	H
1670.74	151	211	-43.62	-13	-30.62	Pass	H
3921.91	150	87	-48.34	-13	-35.34	Pass	H
5874.73	149	102	-44.30	-13	-31.30	Pass	H
6488.39	154	133	-41.79	-13	-28.79	Pass	H
8090.51	145	158	-38.08	-13	-25.08	Pass	H
1191.13	155	170	-56.42	-13	-43.42	Pass	V
1419.13	152	295	-59.55	-13	-46.55	Pass	V
3503.08	147	320	-51.83	-13	-38.83	Pass	V
3909.98	148	236	-52.25	-13	-39.25	Pass	V
5814.79	147	193	-45.01	-13	-32.01	Pass	V
6627.59	150	99	-50.09	-13	-37.09	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.
1304.62	146	122	-55.38	-13	-42.38	Pass	H
1676.22	146	245	-49.71	-13	-36.71	Pass	H
3952.47	145	193	-43.75	-13	-30.75	Pass	H
5834.13	149	189	-40.92	-13	-27.92	Pass	H
6578.77	153	269	-39.50	-13	-26.50	Pass	H
8015.33	153	256	-47.59	-13	-34.59	Pass	H
1283.84	148	71	-59.43	-13	-46.43	Pass	V
1336.95	146	273	-59.71	-13	-46.71	Pass	V
3616.20	154	96	-47.68	-13	-34.68	Pass	V
3791.98	148	278	-48.80	-13	-35.80	Pass	V
5775.15	152	346	-45.52	-13	-32.52	Pass	V
6446.32	145	250	-46.26	-13	-33.26	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.
1290.20	154	87	-52.73	-13	-39.73	Pass	H
1611.05	152	277	-45.11	-13	-32.11	Pass	H
3985.32	152	40	-47.06	-13	-34.06	Pass	H
5928.82	153	224	-42.98	-13	-29.98	Pass	H
6530.04	153	116	-41.51	-13	-28.51	Pass	H
8071.15	154	98	-42.30	-13	-29.30	Pass	H
1128.04	147	33	-57.11	-13	-44.11	Pass	V
1552.19	146	317	-54.57	-13	-41.57	Pass	V
3514.32	148	29	-46.81	-13	-33.81	Pass	V
3866.23	151	219	-51.03	-13	-38.03	Pass	V
5719.59	149	92	-48.54	-13	-35.54	Pass	V
6626.12	149	274	-51.02	-13	-38.02	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.
1259.87	149	244	-57.03	-13	-44.03	Pass	H
1823.92	145	337	-55.67	-13	-42.67	Pass	H
3889.82	147	141	-51.55	-13	-38.55	Pass	H
5805.95	146	140	-46.91	-13	-33.91	Pass	H
6577.38	149	204	-47.18	-13	-34.18	Pass	H
7933.46	152	189	-50.79	-13	-37.79	Pass	H
1317.93	155	79	-57.64	-13	-44.64	Pass	V
1485.70	153	90	-58.23	-13	-45.23	Pass	V
3544.01	145	217	-46.76	-13	-33.76	Pass	V
3742.92	148	158	-46.08	-13	-33.08	Pass	V
5890.67	146	333	-43.13	-13	-30.13	Pass	V
6471.13	146	194	-45.57	-13	-32.57	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.
1288.98	146	89	-54.61	-13	-41.61	Pass	H
1787.89	149	74	-54.69	-13	-41.69	Pass	H
3944.72	145	72	-46.02	-13	-33.02	Pass	H
5839.49	148	72	-41.08	-13	-28.08	Pass	H
6525.29	153	36	-53.15	-13	-40.15	Pass	H
7920.11	146	175	-45.47	-13	-32.47	Pass	H
1300.60	150	271	-54.67	-13	-41.67	Pass	V
1349.66	148	299	-65.74	-13	-52.74	Pass	V
3665.42	150	227	-53.59	-13	-40.59	Pass	V
3857.18	152	231	-50.58	-13	-37.58	Pass	V
5897.34	155	321	-54.19	-13	-41.19	Pass	V
6474.19	149	94	-46.77	-13	-33.77	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.
1290.81	150	352	-59.40	-13	-46.40	Pass	H
1609.98	151	143	-51.15	-13	-38.15	Pass	H
3757.88	150	129	-46.98	-13	-33.98	Pass	H
5881.94	146	29	-43.91	-13	-30.91	Pass	H
6514.78	148	38	-43.11	-13	-30.11	Pass	H
7917.08	149	303	-44.15	-13	-31.15	Pass	H
1171.58	146	33	-54.43	-13	-41.43	Pass	V
1322.60	153	341	-53.37	-13	-40.37	Pass	V
3485.71	149	101	-51.29	-13	-38.29	Pass	V
3848.21	153	333	-43.22	-13	-30.22	Pass	V
5730.40	149	259	-45.49	-13	-32.49	Pass	V
6545.97	149	101	-50.26	-13	-37.26	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.
1285.03	158	356	-56.75	-13	-43.75	Pass	H
1643.96	150	140	-46.75	-13	-33.75	Pass	H
3804.43	146	8	-46.93	-13	-33.93	Pass	H
5805.90	155	114	-44.04	-13	-31.04	Pass	H
6562.92	141	279	-42.27	-13	-29.27	Pass	H
8114.89	153	242	-41.61	-13	-28.61	Pass	H
1125.90	157	199	-53.71	-13	-40.71	Pass	V
1486.91	148	204	-59.83	-13	-46.83	Pass	V
3482.47	150	171	-50.00	-13	-37.00	Pass	V
3766.08	156	324	-53.68	-13	-40.68	Pass	V
5790.05	148	181	-49.98	-13	-36.98	Pass	V
6457.99	155	170	-44.60	-13	-31.60	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.
1389.83	150	205	-54.32	-13	-41.32	Pass	H
1633.30	146	331	-53.08	-13	-40.08	Pass	H
3901.62	150	5	-49.62	-13	-36.62	Pass	H
5920.95	146	228	-46.93	-13	-33.93	Pass	H
6507.54	149	136	-46.83	-13	-33.83	Pass	H
8101.49	151	190	-46.12	-13	-33.12	Pass	H
1152.53	149	192	-55.23	-13	-42.23	Pass	V
1382.30	148	21	-57.27	-13	-44.27	Pass	V
3492.95	147	57	-51.99	-13	-38.99	Pass	V
3863.54	148	269	-49.75	-13	-36.75	Pass	V
5900.75	150	206	-45.68	-13	-32.68	Pass	V
6558.25	150	148	-47.22	-13	-34.22	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.
1393.62	150	56	-58.26	-13	-45.26	Pass	H
1750.79	148	89	-50.29	-13	-37.29	Pass	H
3894.85	152	153	-43.85	-13	-30.85	Pass	H
5998.46	145	339	-38.29	-13	-25.29	Pass	H
6574.27	151	154	-43.17	-13	-30.17	Pass	H
7989.21	154	58	-43.09	-13	-30.09	Pass	H
1187.39	154	228	-56.57	-13	-43.57	Pass	V
1388.91	146	271	-57.61	-13	-44.61	Pass	V
3520.32	149	44	-50.41	-13	-37.41	Pass	V
4005.92	150	233	-50.79	-13	-37.79	Pass	V
5814.22	155	85	-42.35	-13	-29.35	Pass	V
6613.52	153	173	-46.41	-13	-33.41	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.
1398.91	149	238	-59.29	-13	-46.29	Pass	H
1717.23	151	152	-49.20	-13	-36.20	Pass	H
3815.60	153	156	-46.21	-13	-33.21	Pass	H
5963.94	150	134	-42.83	-13	-29.83	Pass	H
6524.34	149	177	-44.00	-13	-31.00	Pass	H
7994.69	153	301	-44.46	-13	-31.46	Pass	H
1105.47	153	131	-52.87	-13	-39.87	Pass	V
1359.99	152	264	-57.43	-13	-44.43	Pass	V
3520.59	148	290	-49.76	-13	-36.76	Pass	V
3999.12	154	13	-53.09	-13	-40.09	Pass	V
5941.67	150	147	-46.35	-13	-33.35	Pass	V
6482.02	152	108	-48.46	-13	-35.46	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.
1286.86	147	218	-51.24	-13	-41.45	Pass	H
1681.47	148	134	-52.62	-13	-37.85	Pass	H
3773.35	150	346	-50.80	-13	-35.2	Pass	H
5828.95	149	251	-39.78	-13	-30.39	Pass	H
6601.65	151	84	-44.84	-13	-32.24	Pass	H
8113.07	150	113	-43.54	-13	-30.22	Pass	H
1097.24	148	310	-56.52	-13	-44.9	Pass	V
1428.37	154	263	-57.12	-13	-43.63	Pass	V
3473.31	149	333	-46.68	-13	-35.94	Pass	V
3839.78	153	344	-46.98	-13	-36.01	Pass	V
5859.87	154	285	-48.76	-13	-33.75	Pass	V
6578.88	149	237	-42.75	-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.
1412.27	150	185	-55.51	-13	-42.51	Pass	H
1677.51	148	321	-47.04	-13	-34.04	Pass	H
3942.51	152	27	-42.81	-13	-29.81	Pass	H
5806.24	150	125	-45.22	-13	-32.22	Pass	H
6549.14	146	282	-38.67	-13	-25.67	Pass	H
8092.70	150	243	-46.72	-13	-33.72	Pass	H
1167.29	153	302	-52.00	-13	-39.00	Pass	V
1499.82	152	309	-58.27	-13	-45.27	Pass	V
3492.24	148	148	-48.09	-13	-35.09	Pass	V
3741.64	153	199	-47.24	-13	-34.24	Pass	V
5711.81	146	179	-45.59	-13	-32.59	Pass	V
6649.49	149	333	-48.45	-13	-35.45	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 12.0V; Low Voltage LV=DC 10.8V; High Voltage HV=DC 13.2V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

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