



TEST REPORT

Test item description: Stackable Unit
FCC ID: 2BVIG-CSAP04008
Trademark(s): N/A
Model/Type reference: CSAP04008
Applicant's name: Inforich (Guangzhou) Technology Company Limited
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Guangzhou, Guangdong Province, China
Manufacturer: Inforich (Guangzhou) Technology Company Limited
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Sample Received Date: Nov. 20, 2025
Sample tested Date: Nov. 20, 2025 to Mar. 17, 2026
Issue Date: Mar. 17, 2026
Report No.: CTB25112005011RF05
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

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

TABLE OF CONTENT

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

(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB25112005011RF05	Mar. 17, 2026	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

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

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model/Type reference:	CSAP04008
Model Description:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 2: 1850-1910MHz FDD-LTE BAND 4: 1710-1755MHz FDD-LTE BAND 5: 824-849MHz FDD-LTE BAND 12: 699-716MHz FDD-LTE BAND 13: 777-787MHz
Max. RF output power:	FDD-LTE BAND 2: 22.76dBm FDD-LTE BAND 4: 22.64dBm FDD-LTE BAND 5: 23.25dBm FDD-LTE BAND 12: 22.88dBm FDD-LTE BAND 13: 22.65dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	FPC antenna
Antenna Gain:	FDD-LTE BAND 2: 2.3dBi FDD-LTE BAND 4: 1.3dBi FDD-LTE BAND 5: 1.9dBi FDD-LTE BAND 12: 2.6dBi FDD-LTE BAND 13: 0.3dBi
Ratings:	Input: 12V=6A Each charging slot output: 5V=2A Charging slots total output: 5V=8A

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note

Notes:

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

4.4 Test Mode

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE BAND 2	Low, Middle, High Channels
TM2	FDD-LTE BAND 4	Low, Middle, High Channels
TM3	FDD-LTE BAND 5	Low, Middle, High Channels
TM4	FDD-LTE BAND 12	Low, Middle, High Channels
TM5	FDD-LTE BAND 13	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(AC):	120V
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	40

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

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

FCC Test Firm Registration Number: CN1276

5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated Date	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2025/5/23	2026/5/22
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2025/5/23	2026/5/22
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2025/5/23	2026/5/22
4	Communication test set	R&S	CMW500	108058	V3.5.80	2025/5/23	2026/5/22
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/5/23	2026/5/22
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2025/5/22	2026/5/21
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2025/5/22	2026/5/21
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2025/5/22	2026/5/21
9	2.4 GHz Filter	Shenxiang	MSF2400-2483. 5MS-1154	20181015001	/	2025/6/18	2026/6/17
10	5 GHz Filter	Shenxiang	MSF5150-5850 MS-1155	20181015001	/	2025/6/18	2026/6/17
11	Filter	Xingbo	XBLBQ-DZA120	190821-1-1	/	2025/5/24	2026/5/23
12	BT&WI-FI Automatic test software	Microwave	MTS8310	Ver. 2.0.0.0	/	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2025/10/20	2026/10/19
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/5/22	2026/5/21
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/	/	/
16	966 chamber	C.R.T.	966	/	/	2024/6/23	2027/6/22
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/5/23	2026/5/22
18	Amplifier	HP	8447E	2945A02747	/	2025/5/23	2026/5/22

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

6. RF EXPOSURE

6.1 Standard Applicable

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

6.2 Test Result

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

7. RF OUTPUT POWER

7.1 Standard Applicable

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

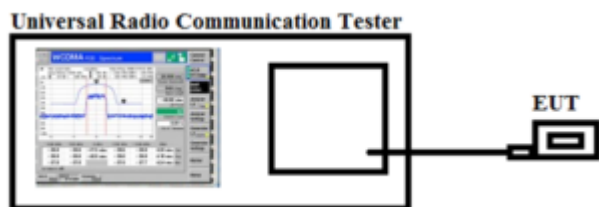
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

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

7.2 Test Procedure

Conducted output power test method:



Radiated power test method:

1. The setup of EUT is according with per ANSI/TIA Standard 603E and ANSI C63.26 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

7.3 Summary of Test Results/Plots

Please refer to Appendix 1: Conducted output power

Test result: Pass

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

8.1 Standard Applicable

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

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

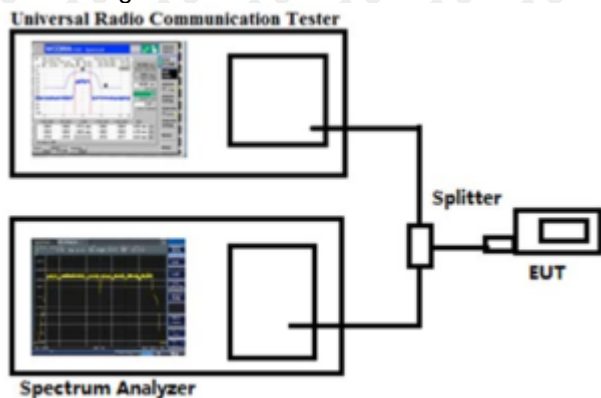
corresponding to the highest PAPR expected during periods of continuous transmission.

8.2 Test Procedure

According with KDB 971168

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

Test Configuration for the emission bandwidth testing:



8.3 Summary of Test Results

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

Test result: Pass

9. EMISSION BANDWIDTH

9.1 Standard Applicable

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

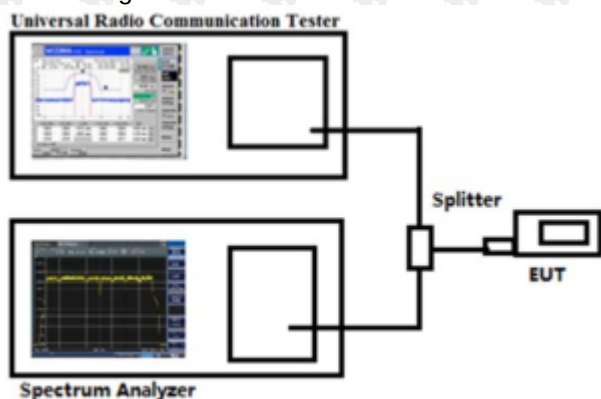
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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

9.2 Test Procedure

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

Test Configuration for the emission bandwidth testing:



9.3 Summary of Test Results/Plots

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

Test result: Pass

10. OUT OF BAND EMISSIONS AT ANTENNA TERMINAL

10.1 Standard Applicable

According to §22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

According to §27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

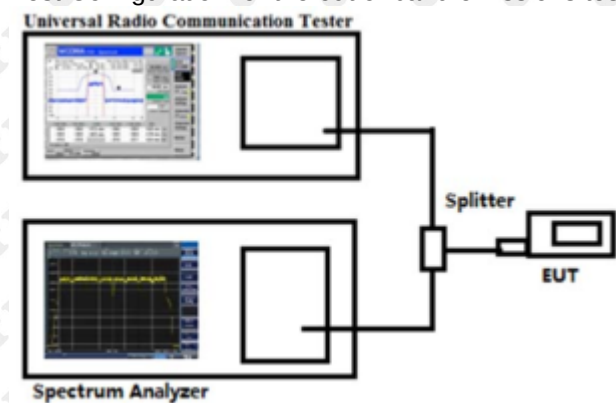
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$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

According to §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.

10.2 Test Procedure

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

Test Configuration for the out of band emissions testing:



10.3 Summary of Test Results/Plots

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

Test result: Pass

11. SPURIOUS RADIATED EMISSIONS

11.1 Standard Applicable

According to §22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

According to §27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

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

11.2 Test Procedure

1. The setup of EUT is according with per ANSI/TIA-603-E and ANSI C63.4-2014 measurement procedure.
 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
 3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
 4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.
- Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

11.3 Summary of Test Results/Plots

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

Test Data:
QPSK

Band 2 18607 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1275.01	155	154	-56.31	-13	-43.31	Pass	H
1739.52	146	140	-48.15	-13	-35.15	Pass	H
3929.90	151	220	-47.24	-13	-34.24	Pass	H
5980.54	144	111	-46.08	-13	-33.08	Pass	H
6490.45	156	308	-44.82	-13	-31.82	Pass	H
8046.02	154	265	-44.40	-13	-31.40	Pass	H
1300.15	149	341	-57.04	-13	-44.04	Pass	V
1497.14	150	81	-57.84	-13	-44.84	Pass	V
3462.74	141	118	-50.86	-13	-37.86	Pass	V
3763.27	157	26	-53.37	-13	-40.37	Pass	V
5795.38	153	123	-50.68	-13	-37.68	Pass	V
6556.58	154	327	-45.74	-13	-32.74	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.
1364.85	150	94	-56.25	-13	-43.25	Pass	H
1752.02	146	149	-49.43	-13	-36.43	Pass	H
3798.01	150	123	-51.60	-13	-38.60	Pass	H
5843.36	146	218	-47.79	-13	-34.79	Pass	H
6421.76	149	116	-48.63	-13	-35.63	Pass	H
8082.07	151	158	-49.37	-13	-36.37	Pass	H
1267.95	149	149	-52.85	-13	-39.85	Pass	V
1492.09	148	125	-56.70	-13	-43.70	Pass	V
3687.92	147	297	-51.65	-13	-38.65	Pass	V
3981.28	148	9	-53.57	-13	-40.57	Pass	V
5793.38	150	43	-50.36	-13	-37.36	Pass	V
6476.38	150	125	-46.21	-13	-33.21	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.
1282.80	152	121	-58.45	-13	-45.45	Pass	H
1663.39	152	97	-54.05	-13	-41.05	Pass	H
3880.24	145	34	-44.29	-13	-31.29	Pass	H
5843.59	152	352	-41.70	-13	-28.70	Pass	H
6472.51	155	0	-42.07	-13	-29.07	Pass	H
7986.25	150	29	-45.39	-13	-32.39	Pass	H
1197.65	145	313	-54.96	-13	-41.96	Pass	V
1424.31	153	168	-54.00	-13	-41.00	Pass	V
3578.55	149	16	-53.35	-13	-40.35	Pass	V
3908.43	147	348	-48.62	-13	-35.62	Pass	V
5816.61	154	345	-44.70	-13	-31.70	Pass	V
6500.87	155	35	-47.31	-13	-34.31	Pass	V

16QAM

Band 2 18607 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1397.24	152	18	-57.09	-13	-44.09	Pass	H
1676.26	154	273	-46.32	-13	-33.32	Pass	H
3850.17	148	292	-49.10	-13	-36.10	Pass	H
5884.81	147	36	-47.62	-13	-34.62	Pass	H
6573.95	153	21	-46.17	-13	-33.17	Pass	H
8081.40	150	23	-39.71	-13	-26.71	Pass	H
1267.15	151	163	-52.70	-13	-39.70	Pass	V
1495.47	146	118	-58.40	-13	-45.40	Pass	V
3627.55	147	48	-53.69	-13	-40.69	Pass	V
3877.17	150	0	-49.27	-13	-36.27	Pass	V
5819.17	155	337	-45.46	-13	-32.46	Pass	V
6566.00	149	9	-50.70	-13	-37.70	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.
1310.64	148	2	-53.42	-13	-41.45	Pass	H
1748.26	147	45	-50.02	-13	-37.85	Pass	H
3948.94	146	339	-48.29	-13	-35.2	Pass	H
5913.19	149	320	-46.19	-13	-30.39	Pass	H
6431.60	149	257	-44.74	-13	-32.24	Pass	H
7960.62	145	15	-42.74	-13	-30.22	Pass	H
1099.93	154	152	-54.65	-13	-44.9	Pass	V
1311.02	152	281	-55.53	-13	-43.63	Pass	V
3540.38	151	326	-47.53	-13	-35.94	Pass	V
3803.10	154	260	-48.81	-13	-36.01	Pass	V
5766.09	152	100	-43.72	-13	-33.75	Pass	V
6461.09	154	48	-47.62	-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.
1380.31	151	236	-53.13	-13	-40.13	Pass	H
1663.85	154	264	-48.58	-13	-35.58	Pass	H
3814.55	155	195	-44.29	-13	-31.29	Pass	H
5873.60	149	218	-43.64	-13	-30.64	Pass	H
6530.52	154	284	-42.85	-13	-29.85	Pass	H
8055.17	155	149	-44.31	-13	-31.31	Pass	H
1145.76	149	66	-54.48	-13	-41.48	Pass	V
1396.32	149	348	-60.99	-13	-47.99	Pass	V
3535.00	147	114	-52.21	-13	-39.21	Pass	V
3810.27	155	181	-53.92	-13	-40.92	Pass	V
5852.74	146	161	-51.11	-13	-38.11	Pass	V
6495.69	147	108	-45.04	-13	-32.04	Pass	V

Note:

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

QPSK

Band 4 19957 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1370.47	146	95	-58.11	-13	-45.11	Pass	H
1763.85	153	258	-44.17	-13	-31.17	Pass	H
3923.63	150	206	-52.02	-13	-39.02	Pass	H
5846.07	148	342	-48.54	-13	-35.54	Pass	H
6557.15	152	65	-44.84	-13	-31.84	Pass	H
7954.00	154	68	-43.89	-13	-30.89	Pass	H
1250.86	154	11	-52.56	-13	-39.56	Pass	V
1362.69	148	199	-55.36	-13	-42.36	Pass	V
3672.66	151	144	-50.88	-13	-37.88	Pass	V
3877.59	145	152	-54.45	-13	-41.45	Pass	V
5877.72	146	28	-42.95	-13	-29.95	Pass	V
6614.68	150	133	-49.65	-13	-36.65	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.
1354.24	149	147	-54.94	-13	-41.94	Pass	H
1774.93	146	285	-45.41	-13	-32.41	Pass	H
3859.05	151	37	-47.62	-13	-34.62	Pass	H
5941.88	147	248	-38.42	-13	-25.42	Pass	H
6468.97	153	81	-40.64	-13	-27.64	Pass	H
8037.69	152	50	-48.43	-13	-35.43	Pass	H
1150.22	146	65	-55.88	-13	-42.88	Pass	V
1458.52	152	93	-59.01	-13	-46.01	Pass	V
3499.74	147	112	-48.31	-13	-35.31	Pass	V
3775.68	147	230	-45.18	-13	-32.18	Pass	V
5915.24	155	251	-42.06	-13	-29.06	Pass	V
6459.64	152	120	-44.19	-13	-31.19	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.
1289.01	148	194	-49.79	-13	-36.79	Pass	H
1624.74	148	247	-46.45	-13	-33.45	Pass	H
3827.31	147	29	-41.89	-13	-28.89	Pass	H
5962.61	149	334	-41.50	-13	-28.50	Pass	H
6435.46	152	314	-41.18	-13	-28.18	Pass	H
8172.92	151	255	-40.67	-13	-27.67	Pass	H
1278.32	150	296	-55.17	-13	-42.17	Pass	V
1430.47	153	151	-54.65	-13	-41.65	Pass	V
3625.69	145	191	-47.92	-13	-34.92	Pass	V
3868.63	151	238	-44.62	-13	-31.62	Pass	V
5838.98	148	206	-46.26	-13	-33.26	Pass	V
6594.12	149	41	-48.84	-13	-35.84	Pass	V

16QAM

Band 4 19957 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1424.05	153	50	-56.30	-13	-43.30	Pass	H
1753.52	150	135	-54.14	-13	-41.14	Pass	H
3923.27	153	191	-53.38	-13	-40.38	Pass	H
5759.38	151	320	-47.90	-13	-34.90	Pass	H
6471.68	154	48	-45.60	-13	-32.60	Pass	H
7923.84	147	84	-46.15	-13	-33.15	Pass	H
1300.76	150	280	-56.65	-13	-43.65	Pass	V
1500.33	152	15	-57.03	-13	-44.03	Pass	V
3498.84	150	210	-47.39	-13	-34.39	Pass	V
3835.69	148	152	-45.97	-13	-32.97	Pass	V
5796.52	148	303	-45.31	-13	-32.31	Pass	V
6545.12	147	106	-49.45	-13	-36.45	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.
1251.60	151	195	-55.56	-13	-42.56	Pass	H
1731.45	150	6	-51.03	-13	-38.03	Pass	H
3961.37	153	229	-51.54	-13	-38.54	Pass	H
5814.87	155	199	-47.54	-13	-34.54	Pass	H
6408.86	146	331	-51.40	-13	-38.40	Pass	H
7928.27	149	152	-45.94	-13	-32.94	Pass	H
1142.48	154	86	-54.52	-13	-41.52	Pass	V
1347.73	146	117	-59.33	-13	-46.33	Pass	V
3690.01	147	26	-54.09	-13	-41.09	Pass	V
3906.82	145	225	-54.71	-13	-41.71	Pass	V
5865.22	149	18	-52.82	-13	-39.82	Pass	V
6428.33	152	79	-44.99	-13	-31.99	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.
1315.52	146	166	-58.18	-13	-45.18	Pass	H
1569.18	151	2	-52.63	-13	-39.63	Pass	H
3830.12	149	6	-44.06	-13	-31.06	Pass	H
5819.47	153	129	-42.98	-13	-29.98	Pass	H
6432.61	154	326	-39.80	-13	-26.80	Pass	H
7957.39	148	309	-44.88	-13	-31.88	Pass	H
1218.68	146	16	-55.44	-13	-42.44	Pass	V
1384.22	153	5	-54.16	-13	-41.16	Pass	V
3488.72	149	111	-53.17	-13	-40.17	Pass	V
3824.83	146	204	-48.63	-13	-35.63	Pass	V
5730.88	150	122	-47.88	-13	-34.88	Pass	V
6541.41	147	313	-47.32	-13	-34.32	Pass	V

Note:

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

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

QPSK

Band 5 20407 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1259.60	148	102	-55.73	-13	-42.73	Pass	H
1610.22	159	98	-50.34	-13	-37.34	Pass	H
3892.35	145	222	-45.05	-13	-32.05	Pass	H
5848.43	156	278	-43.44	-13	-30.44	Pass	H
6534.35	141	49	-44.18	-13	-31.18	Pass	H
8120.05	150	97	-42.26	-13	-29.26	Pass	H
1173.09	150	348	-55.66	-13	-42.66	Pass	V
1476.05	140	285	-59.90	-13	-46.90	Pass	V
3486.96	140	196	-49.41	-13	-36.41	Pass	V
3819.58	146	266	-49.27	-13	-36.27	Pass	V
5791.94	142	306	-50.64	-13	-37.64	Pass	V
6469.94	155	215	-49.07	-13	-36.07	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.
1359.57	150	344	-56.76	-13	-43.76	Pass	H
1775.33	146	47	-52.86	-13	-39.86	Pass	H
3803.62	150	246	-48.93	-13	-35.93	Pass	H
5787.60	146	182	-43.72	-13	-30.72	Pass	H
6491.78	149	256	-48.56	-13	-35.56	Pass	H
8102.69	151	54	-47.08	-13	-34.08	Pass	H
1162.60	149	15	-52.41	-13	-39.41	Pass	V
1417.57	148	79	-58.03	-13	-45.03	Pass	V
3539.79	147	182	-52.33	-13	-39.33	Pass	V
3922.63	148	12	-53.59	-13	-40.59	Pass	V
5921.38	150	57	-51.09	-13	-38.09	Pass	V
6602.06	150	74	-47.19	-13	-34.19	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.
1333.08	153	10	-58.43	-13	-45.43	Pass	H
1761.26	146	305	-52.00	-13	-39.00	Pass	H
3809.32	145	15	-43.96	-13	-30.96	Pass	H
5942.45	153	216	-43.69	-13	-30.69	Pass	H
6543.84	150	121	-41.38	-13	-28.38	Pass	H
7960.84	151	334	-45.15	-13	-32.15	Pass	H
1231.87	152	309	-54.80	-13	-41.80	Pass	V
1497.06	154	311	-59.04	-13	-46.04	Pass	V
3472.79	146	346	-52.85	-13	-39.85	Pass	V
3947.51	152	290	-51.31	-13	-38.31	Pass	V
5722.86	147	292	-40.74	-13	-27.74	Pass	V
6636.64	153	12	-49.08	-13	-36.08	Pass	V

16QAM

Band 5 20407 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1410.24	145	285	-57.29	-13	-44.29	Pass	H
1736.84	154	351	-46.23	-13	-33.23	Pass	H
3825.52	154	257	-48.12	-13	-35.12	Pass	H
5977.32	150	157	-45.67	-13	-32.67	Pass	H
6461.31	147	79	-43.09	-13	-30.09	Pass	H
7952.68	147	285	-40.11	-13	-27.11	Pass	H
1106.87	146	251	-55.15	-13	-42.15	Pass	V
1338.82	146	277	-55.57	-13	-42.57	Pass	V
3684.22	150	37	-53.65	-13	-40.65	Pass	V
3827.07	154	273	-53.14	-13	-40.14	Pass	V
5913.22	154	47	-43.42	-13	-30.42	Pass	V
6658.42	147	322	-51.63	-13	-38.63	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.
1367.63	152	5	-54.17	-13	-41.45	Pass	H
1693.18	153	310	-52.15	-13	-37.85	Pass	H
3885.39	145	6	-49.05	-13	-35.2	Pass	H
5832.24	152	339	-45.51	-13	-30.39	Pass	H
6409.95	147	202	-43.52	-13	-32.24	Pass	H
8104.17	150	112	-41.78	-13	-30.22	Pass	H
1098.54	154	232	-60.61	-13	-44.9	Pass	V
1412.11	145	206	-57.43	-13	-43.63	Pass	V
3483.01	146	198	-49.78	-13	-35.94	Pass	V
3848.30	151	310	-49.58	-13	-36.01	Pass	V
5912.53	146	59	-47.44	-13	-33.75	Pass	V
6603.46	154	88	-43.65	-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.
1366.46	146	214	-55.64	-13	-42.64	Pass	H
1741.65	145	303	-49.44	-13	-36.44	Pass	H
3881.89	147	32	-40.35	-13	-27.35	Pass	H
5891.86	152	200	-43.56	-13	-30.56	Pass	H
6585.53	150	18	-43.92	-13	-30.92	Pass	H
8043.43	148	177	-46.02	-13	-33.02	Pass	H
1206.11	146	62	-57.55	-13	-44.55	Pass	V
1434.75	154	137	-55.85	-13	-42.85	Pass	V
3588.77	147	105	-48.41	-13	-35.41	Pass	V
3927.85	153	237	-49.59	-13	-36.59	Pass	V
5723.41	149	117	-46.45	-13	-33.45	Pass	V
6592.70	146	134	-48.72	-13	-35.72	Pass	V

Note:

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

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

QPSK

Band 12 23017 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1281.56	147	190	-56.24	-13	-43.24	Pass	H
1707.18	154	275	-50.31	-13	-37.31	Pass	H
3856.60	147	205	-48.81	-13	-35.81	Pass	H
6012.04	147	282	-44.48	-13	-31.48	Pass	H
6513.10	150	305	-42.45	-13	-29.45	Pass	H
8051.51	149	329	-39.27	-13	-26.27	Pass	H
1227.31	154	163	-54.93	-13	-41.93	Pass	V
1330.25	148	21	-57.50	-13	-44.50	Pass	V
3685.71	146	155	-52.42	-13	-39.42	Pass	V
3896.32	152	197	-52.17	-13	-39.17	Pass	V
5887.01	148	75	-43.95	-13	-30.95	Pass	V
6494.58	151	84	-47.05	-13	-34.05	Pass	V
Band 12 23095 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1234.34	150	28	-57.14	-13	-44.14	Pass	H
1754.03	154	298	-47.55	-13	-34.55	Pass	H
3857.28	148	35	-47.82	-13	-34.82	Pass	H
5894.83	147	15	-38.18	-13	-25.18	Pass	H
6520.77	145	62	-46.32	-13	-33.32	Pass	H
8139.18	147	35	-41.82	-13	-28.82	Pass	H
1258.63	147	66	-57.55	-13	-44.55	Pass	V
1425.13	151	160	-61.22	-13	-48.22	Pass	V
3543.90	153	126	-45.52	-13	-32.52	Pass	V
3915.96	147	137	-44.04	-13	-31.04	Pass	V
5762.69	145	234	-40.96	-13	-27.96	Pass	V
6580.43	148	291	-48.74	-13	-35.74	Pass	V

Band 12 23173 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1305.07	147	166	-53.30	-13	-40.30	Pass	H
1652.03	151	154	-46.96	-13	-33.96	Pass	H
3805.17	150	347	-46.79	-13	-33.79	Pass	H
5955.14	152	138	-38.84	-13	-25.84	Pass	H
6536.90	150	148	-46.67	-13	-33.67	Pass	H
8129.38	154	55	-39.19	-13	-26.19	Pass	H
1131.69	153	250	-50.62	-13	-37.62	Pass	V
1366.87	149	243	-53.25	-13	-40.25	Pass	V
3488.07	148	175	-51.64	-13	-38.64	Pass	V
3820.21	150	107	-44.44	-13	-31.44	Pass	V
5767.13	151	242	-47.94	-13	-34.94	Pass	V
6646.66	151	300	-51.01	-13	-38.01	Pass	V

16QAM

Band 12 23017 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1288.55	152	120	-55.67	-13	-42.67	Pass	H
1779.29	148	136	-51.86	-13	-38.86	Pass	H
3822.94	150	308	-52.28	-13	-39.28	Pass	H
5888.29	154	104	-48.08	-13	-35.08	Pass	H
6424.51	151	103	-49.90	-13	-36.90	Pass	H
7957.45	153	327	-49.93	-13	-36.93	Pass	H
1273.27	153	134	-54.83	-13	-41.83	Pass	V
1471.05	150	20	-58.18	-13	-45.18	Pass	V
3580.54	152	173	-50.05	-13	-37.05	Pass	V
3879.13	152	73	-46.95	-13	-33.95	Pass	V
5794.05	147	117	-49.43	-13	-36.43	Pass	V
6513.18	151	205	-44.70	-13	-31.70	Pass	V

Band 12 23095 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1280.97	147	166	-59.92	-13	-46.92	Pass	H
1648.42	149	217	-52.08	-13	-39.08	Pass	H
3819.91	148	56	-51.32	-13	-38.32	Pass	H
5808.19	153	221	-40.93	-13	-27.93	Pass	H
6385.00	148	199	-50.13	-13	-37.13	Pass	H
7992.75	154	6	-45.12	-13	-32.12	Pass	H
1196.43	147	153	-54.83	-13	-41.83	Pass	V
1368.79	148	254	-59.91	-13	-46.91	Pass	V
3587.54	155	160	-53.74	-13	-40.74	Pass	V
3998.19	149	168	-55.94	-13	-42.94	Pass	V
5735.50	145	109	-53.23	-13	-40.23	Pass	V
6595.08	151	127	-45.09	-13	-32.09	Pass	V
Band 12 23173 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1309.81	155	25	-53.83	-13	-40.83	Pass	H
1660.27	155	68	-53.80	-13	-40.80	Pass	H
3804.55	148	251	-48.06	-13	-35.06	Pass	H
5858.62	150	230	-43.19	-13	-30.19	Pass	H
6438.88	147	322	-44.50	-13	-31.50	Pass	H
7939.57	153	101	-42.87	-13	-29.87	Pass	H
1256.14	145	326	-51.20	-13	-38.20	Pass	V
1402.13	148	113	-52.63	-13	-39.63	Pass	V
3433.97	149	75	-53.97	-13	-40.97	Pass	V
3899.80	150	196	-45.62	-13	-32.62	Pass	V
5738.95	149	238	-48.15	-13	-35.15	Pass	V
6564.78	154	154	-43.87	-13	-30.87	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 13 23025 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1402.27	152	126	-53.35	-25	-28.35	Pass	H
1739.45	145	144	-47.06	-25	-22.06	Pass	H
3987.16	150	92	-47.68	-25	-22.68	Pass	H
5878.55	152	57	-42.34	-25	-17.34	Pass	H
6463.33	147	187	-43.51	-25	-18.51	Pass	H
8046.12	153	183	-47.71	-25	-22.71	Pass	H
1134.23	146	47	-50.17	-25	-25.17	Pass	V
1505.36	146	84	-62.66	-25	-37.66	Pass	V
3624.74	146	223	-54.11	-25	-29.11	Pass	V
3849.98	148	131	-49.53	-25	-24.53	Pass	V
5708.37	154	27	-43.42	-25	-18.42	Pass	V
6656.36	150	154	-48.22	-25	-23.22	Pass	V
Band 13 23230 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1372.79	155	135	-54.90	-25	-29.90	Pass	H
1605.40	148	16	-45.89	-25	-20.89	Pass	H
3954.00	146	177	-46.26	-25	-21.26	Pass	H
5821.11	154	355	-40.77	-25	-15.77	Pass	H
6490.80	150	204	-38.93	-25	-13.93	Pass	H
8054.31	148	23	-43.12	-25	-18.12	Pass	H
1120.85	154	151	-53.96	-25	-28.96	Pass	V
1439.84	154	87	-56.69	-25	-31.69	Pass	V
3496.35	155	63	-48.52	-25	-23.52	Pass	V
3830.01	150	175	-51.95	-25	-26.95	Pass	V
5842.91	148	166	-47.92	-25	-22.92	Pass	V
6476.97	153	236	-43.48	-25	-18.48	Pass	V

Band 13 23255 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1333.28	147	316	-56.06	-25	-31.06	Pass	H
1722.28	152	351	-47.27	-25	-22.27	Pass	H
3885.33	152	1	-47.15	-25	-22.15	Pass	H
5950.64	154	204	-44.78	-25	-19.78	Pass	H
6473.72	149	71	-44.42	-25	-19.42	Pass	H
8120.21	148	31	-46.98	-25	-21.98	Pass	H
1169.91	148	309	-52.90	-25	-27.90	Pass	V
1423.90	147	138	-59.34	-25	-34.34	Pass	V
3585.70	148	37	-50.43	-25	-25.43	Pass	V
3898.81	146	52	-52.22	-25	-27.22	Pass	V
5832.24	151	348	-44.97	-25	-19.97	Pass	V
6572.51	148	263	-45.49	-25	-20.49	Pass	V

16QAM

Band 13 23025 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1386.03	146	339	-55.97	-25	-30.97	Pass	H
1720.94	151	181	-49.16	-25	-24.16	Pass	H
3962.63	148	100	-49.74	-25	-24.74	Pass	H
5840.46	149	139	-42.21	-25	-17.21	Pass	H
6608.45	152	225	-41.60	-25	-16.60	Pass	H
8134.78	148	261	-45.93	-25	-20.93	Pass	H
1136.36	152	351	-52.03	-25	-27.03	Pass	V
1398.50	149	54	-59.04	-25	-34.04	Pass	V
3530.43	150	224	-55.80	-25	-30.80	Pass	V
3770.02	150	328	-53.99	-25	-28.99	Pass	V
5846.90	152	281	-46.72	-25	-21.72	Pass	V
6598.64	145	197	-44.40	-25	-19.40	Pass	V

Band 13 23230 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1372.82	148	277	-53.57	-25	-28.57	Pass	H
1690.11	150	59	-49.08	-25	-24.08	Pass	H
3999.19	149	39	-45.24	-25	-20.24	Pass	H
5810.97	146	343	-42.79	-25	-17.79	Pass	H
6512.14	151	16	-43.96	-25	-18.96	Pass	H
8089.24	155	78	-40.51	-25	-15.51	Pass	H
1281.57	148	341	-55.36	-25	-30.36	Pass	V
1368.83	145	240	-62.12	-25	-37.12	Pass	V
3578.68	150	72	-51.84	-25	-26.84	Pass	V
3746.72	147	276	-50.69	-25	-25.69	Pass	V
5749.03	146	95	-46.45	-25	-21.45	Pass	V
6490.56	148	184	-45.41	-25	-20.41	Pass	V
Band 13 23255 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1281.24	154	19	-57.71	-25	-32.71	Pass	H
1650.51	149	262	-48.39	-25	-23.39	Pass	H
3845.00	149	309	-44.02	-25	-19.02	Pass	H
5952.22	153	259	-39.87	-25	-14.87	Pass	H
6527.00	153	23	-41.18	-25	-16.18	Pass	H
7989.24	154	230	-42.72	-25	-17.72	Pass	H
1174.26	147	210	-53.67	-25	-28.67	Pass	V
1494.55	154	185	-56.09	-25	-31.09	Pass	V
3536.15	155	279	-53.03	-25	-28.03	Pass	V
3852.44	148	36	-49.70	-25	-24.70	Pass	V
5724.38	145	300	-44.41	-25	-19.41	Pass	V
6467.49	148	238	-43.63	-25	-18.63	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=AC 120V; Low Voltage LV=AC 108V; High Voltage HV=AC 132V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

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