



TEST REPORT

Test item description: Advertising Player-TAP20
FCC ID: 2BVIG-CSAP07005
Trademark(s): N/A
Model/Type reference: CSAP07005
Applicant's name: Inforich (Guangzhou) Technology Company Limited
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Sample Received Date: Nov. 20, 2025
Sample tested Date: Nov. 20, 2025 to Mar. 13, 2026
Issue Date: Mar. 13, 2026
Report No.: CTB25112005007RF03
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

Compiled by:

Reviewed by:

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(Note: N/A means not applicable)



1. **VERSION**

Report No.	Issue Date	Description	Approved
CTB25112005007RF03	Mar. 13, 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 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:	CSAP07005
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: 22.95dBm FDD-LTE BAND 4: 24.15dBm FDD-LTE BAND 5: 23.80dBm FDD-LTE BAND 12: 23.62dBm FDD-LTE BAND 13: 23.5dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Glue stick antenna
Antenna Gain:	FDD-LTE BAND 2: -0.4dBi FDD-LTE BAND 4: -1.73dBi FDD-LTE BAND 5: -0.69dBi FDD-LTE BAND 12: 0.31dBi FDD-LTE BAND 13: -1.13dBi
Ratings:	Input Voltage: 100-120V, 50/60Hz Rated Power: 255W Each charging slot output: 5V=2A Charging slots total output: 5V=32A

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.

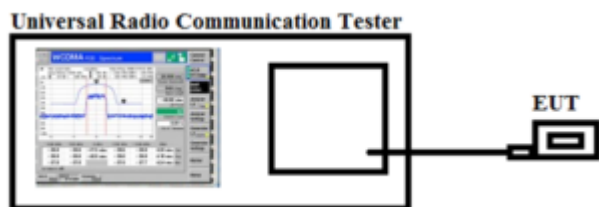
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

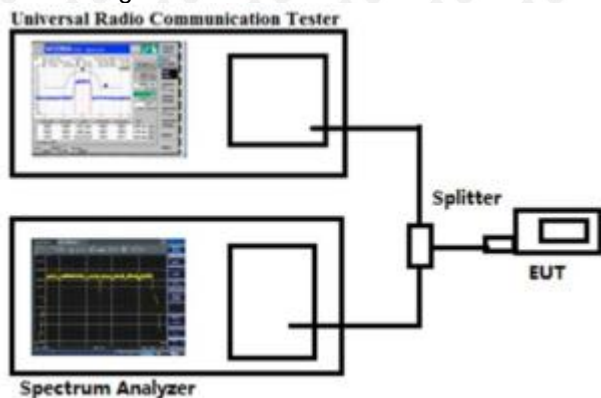
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

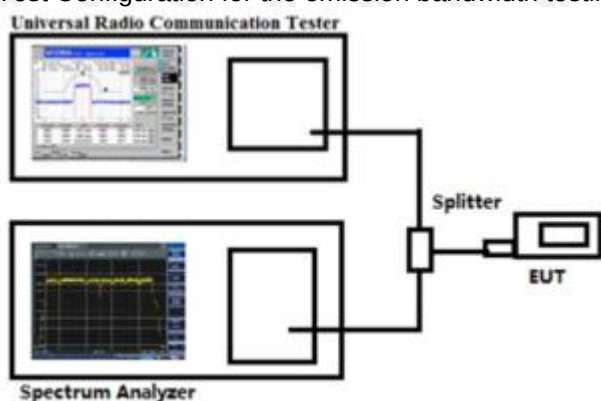
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

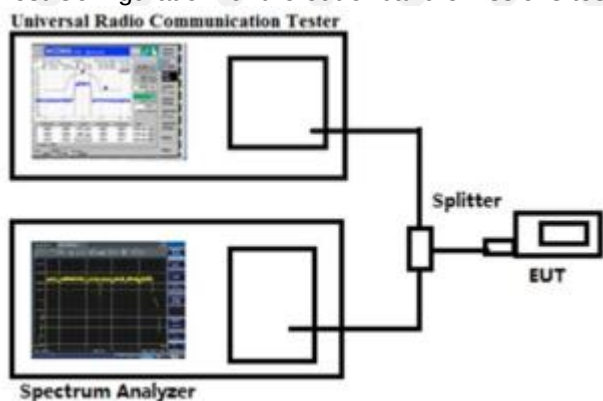
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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.
1378.71	146	87	-56.42	-13	-43.42	Pass	H
1664.48	155	94	-49.55	-13	-36.55	Pass	H
3816.26	159	2	-48.82	-13	-35.82	Pass	H
5805.08	157	15	-45.79	-13	-32.79	Pass	H
6475.83	142	39	-41.92	-13	-28.92	Pass	H
8133.53	158	127	-41.11	-13	-28.11	Pass	H
1166.49	156	316	-56.92	-13	-43.92	Pass	V
1409.44	147	254	-56.59	-13	-43.59	Pass	V
3453.13	143	116	-49.81	-13	-36.81	Pass	V
3916.14	145	219	-53.15	-13	-40.15	Pass	V
5733.76	141	28	-47.00	-13	-34.00	Pass	V
6481.14	148	244	-47.97	-13	-34.97	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.
1386.25	150	66	-58.98	-13	-45.98	Pass	H
1666.16	146	323	-54.12	-13	-41.12	Pass	H
3811.32	150	222	-52.29	-13	-39.29	Pass	H
5797.40	146	290	-46.56	-13	-33.56	Pass	H
6500.75	149	238	-46.71	-13	-33.71	Pass	H
7963.26	151	76	-50.36	-13	-37.36	Pass	H
1241.50	149	10	-56.31	-13	-43.31	Pass	V
1462.62	148	29	-59.53	-13	-46.53	Pass	V
3561.48	147	356	-55.00	-13	-42.00	Pass	V
3934.86	148	115	-52.21	-13	-39.21	Pass	V
5920.09	150	71	-48.13	-13	-35.13	Pass	V
6468.79	150	9	-51.06	-13	-38.06	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.
1439.88	147	357	-57.32	-13	-44.32	Pass	H
1672.90	155	339	-53.04	-13	-40.04	Pass	H
3783.28	155	32	-47.20	-13	-34.20	Pass	H
5808.19	145	124	-40.25	-13	-27.25	Pass	H
6542.55	145	359	-44.76	-13	-31.76	Pass	H
7973.64	151	97	-47.18	-13	-34.18	Pass	H
1210.80	146	345	-57.86	-13	-44.86	Pass	V
1406.70	150	297	-58.42	-13	-45.42	Pass	V
3495.78	145	115	-55.36	-13	-42.36	Pass	V
3945.81	153	117	-51.33	-13	-38.33	Pass	V
5740.45	153	152	-44.13	-13	-31.13	Pass	V
6528.61	152	175	-49.61	-13	-36.61	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.
1400.05	152	186	-59.02	-13	-46.02	Pass	H
1765.37	146	331	-48.56	-13	-35.56	Pass	H
3939.92	146	112	-49.79	-13	-36.79	Pass	H
5876.50	151	344	-46.15	-13	-33.15	Pass	H
6544.03	148	185	-41.65	-13	-28.65	Pass	H
7964.54	151	81	-45.12	-13	-32.12	Pass	H
1214.42	153	354	-54.44	-13	-41.44	Pass	V
1339.43	155	157	-55.42	-13	-42.42	Pass	V
3575.32	145	267	-49.28	-13	-36.28	Pass	V
3871.74	145	346	-52.14	-13	-39.14	Pass	V
5770.28	155	109	-48.24	-13	-35.24	Pass	V
6501.34	154	241	-51.71	-13	-38.71	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.
1302.70	151	328	-51.38	-13	-41.45	Pass	H
1821.88	150	164	-51.53	-13	-37.85	Pass	H
3897.97	148	115	-50.55	-13	-35.2	Pass	H
6006.17	151	18	-46.06	-13	-30.39	Pass	H
6535.49	150	96	-47.62	-13	-32.24	Pass	H
8104.29	150	342	-45.83	-13	-30.22	Pass	H
1285.95	150	320	-56.39	-13	-44.9	Pass	V
1331.83	151	251	-54.35	-13	-43.63	Pass	V
3447.65	148	156	-47.32	-13	-35.94	Pass	V
3816.16	154	169	-50.60	-13	-36.01	Pass	V
5805.85	146	299	-48.68	-13	-33.75	Pass	V
6531.21	145	39	-42.52	-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.
1415.47	153	150	-56.71	-13	-43.71	Pass	H
1744.34	150	106	-50.87	-13	-37.87	Pass	H
3947.37	152	214	-42.41	-13	-29.41	Pass	H
5875.84	148	107	-39.96	-13	-26.96	Pass	H
6597.33	149	64	-38.53	-13	-25.53	Pass	H
8078.81	153	359	-45.61	-13	-32.61	Pass	H
1150.85	150	132	-54.03	-13	-41.03	Pass	V
1424.77	153	101	-56.46	-13	-43.46	Pass	V
3583.25	150	312	-52.93	-13	-39.93	Pass	V
3922.06	152	59	-47.75	-13	-34.75	Pass	V
5790.68	151	25	-48.63	-13	-35.63	Pass	V
6476.93	150	3	-45.68	-13	-32.68	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.
1381.22	154	330	-58.55	-13	-45.55	Pass	H
1769.61	150	252	-44.76	-13	-31.76	Pass	H
3947.66	149	183	-47.26	-13	-34.26	Pass	H
5912.21	152	158	-44.74	-13	-31.74	Pass	H
6546.01	153	166	-42.78	-13	-29.78	Pass	H
8001.56	151	251	-40.00	-13	-27.00	Pass	H
1275.75	152	230	-54.50	-13	-41.50	Pass	V
1370.46	153	75	-54.46	-13	-41.46	Pass	V
3664.21	154	353	-51.05	-13	-38.05	Pass	V
3940.80	155	47	-47.88	-13	-34.88	Pass	V
5838.02	151	95	-45.84	-13	-32.84	Pass	V
6545.96	147	258	-44.99	-13	-31.99	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.
1234.55	154	71	-51.32	-13	-38.32	Pass	H
1660.06	150	230	-47.82	-13	-34.82	Pass	H
3861.61	152	14	-45.60	-13	-32.60	Pass	H
5922.69	150	12	-44.91	-13	-31.91	Pass	H
6599.79	147	166	-40.00	-13	-27.00	Pass	H
8087.20	151	219	-47.55	-13	-34.55	Pass	H
1244.80	148	8	-59.83	-13	-46.83	Pass	V
1402.55	154	297	-57.97	-13	-44.97	Pass	V
3514.71	148	221	-51.66	-13	-38.66	Pass	V
3760.22	149	126	-45.07	-13	-32.07	Pass	V
5746.11	149	281	-46.62	-13	-33.62	Pass	V
6443.44	151	279	-42.56	-13	-29.56	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.
1287.55	150	310	-51.83	-13	-38.83	Pass	H
1686.34	153	106	-47.80	-13	-34.80	Pass	H
3989.93	147	204	-43.94	-13	-30.94	Pass	H
5874.95	153	253	-39.36	-13	-26.36	Pass	H
6558.56	150	230	-45.39	-13	-32.39	Pass	H
7990.70	151	29	-41.42	-13	-28.42	Pass	H
1251.89	154	63	-53.28	-13	-40.28	Pass	V
1507.50	151	98	-57.38	-13	-44.38	Pass	V
3548.64	151	267	-48.24	-13	-35.24	Pass	V
3741.52	154	140	-47.25	-13	-34.25	Pass	V
5873.11	148	109	-47.37	-13	-34.37	Pass	V
6546.62	153	301	-46.96	-13	-33.96	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.
1275.64	154	2	-53.10	-13	-40.10	Pass	H
1754.44	145	206	-51.28	-13	-38.28	Pass	H
3821.95	151	56	-52.36	-13	-39.36	Pass	H
5913.46	149	262	-46.85	-13	-33.85	Pass	H
6480.06	147	91	-45.71	-13	-32.71	Pass	H
8051.11	147	132	-49.09	-13	-36.09	Pass	H
1142.38	148	100	-56.08	-13	-43.08	Pass	V
1480.05	147	100	-57.31	-13	-44.31	Pass	V
3563.59	147	111	-51.82	-13	-38.82	Pass	V
3755.62	154	48	-49.11	-13	-36.11	Pass	V
5784.82	147	286	-45.50	-13	-32.50	Pass	V
6500.35	151	115	-46.86	-13	-33.86	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.
1355.83	149	109	-56.45	-13	-43.45	Pass	H
1640.67	146	206	-53.97	-13	-40.97	Pass	H
3949.87	150	194	-49.89	-13	-36.89	Pass	H
5792.55	148	336	-42.04	-13	-29.04	Pass	H
6481.16	153	197	-53.35	-13	-40.35	Pass	H
7984.56	154	214	-43.82	-13	-30.82	Pass	H
1315.45	150	126	-56.33	-13	-43.33	Pass	V
1312.83	152	254	-61.62	-13	-48.62	Pass	V
3663.99	152	175	-49.57	-13	-36.57	Pass	V
3880.54	145	273	-55.79	-13	-42.79	Pass	V
5842.39	153	13	-50.94	-13	-37.94	Pass	V
6433.59	153	85	-50.58	-13	-37.58	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.
1287.26	149	141	-59.16	-13	-46.16	Pass	H
1646.23	154	116	-53.12	-13	-40.12	Pass	H
3796.32	154	88	-43.88	-13	-30.88	Pass	H
5814.88	153	58	-42.85	-13	-29.85	Pass	H
6525.55	153	263	-44.61	-13	-31.61	Pass	H
7991.61	146	117	-43.31	-13	-30.31	Pass	H
1245.31	148	349	-51.98	-13	-38.98	Pass	V
1321.00	153	100	-50.95	-13	-37.95	Pass	V
3454.26	152	259	-50.05	-13	-37.05	Pass	V
3868.23	145	81	-47.97	-13	-34.97	Pass	V
5691.19	146	39	-41.74	-13	-28.74	Pass	V
6494.03	146	52	-48.70	-13	-35.70	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.
1286.05	152	283	-54.88	-13	-41.88	Pass	H
1624.44	146	121	-48.76	-13	-35.76	Pass	H
3892.06	155	327	-48.74	-13	-35.74	Pass	H
5945.15	154	76	-43.48	-13	-30.48	Pass	H
6419.22	151	23	-44.73	-13	-31.73	Pass	H
8035.04	155	17	-41.94	-13	-28.94	Pass	H
1256.83	157	140	-57.08	-13	-44.08	Pass	V
1373.15	145	252	-55.84	-13	-42.84	Pass	V
3536.55	143	202	-50.24	-13	-37.24	Pass	V
3901.02	147	170	-49.33	-13	-36.33	Pass	V
5763.23	151	317	-49.66	-13	-36.66	Pass	V
6561.87	152	106	-47.22	-13	-34.22	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.
1294.19	150	74	-56.27	-13	-43.27	Pass	H
1706.90	146	66	-49.43	-13	-36.43	Pass	H
3909.11	150	199	-52.15	-13	-39.15	Pass	H
5938.77	146	41	-46.11	-13	-33.11	Pass	H
6544.57	149	232	-46.94	-13	-33.94	Pass	H
8020.59	151	232	-46.79	-13	-33.79	Pass	H
1327.58	149	91	-56.72	-13	-43.72	Pass	V
1454.46	148	270	-56.32	-13	-43.32	Pass	V
3564.37	147	151	-56.05	-13	-43.05	Pass	V
3879.24	148	68	-52.01	-13	-39.01	Pass	V
5850.41	150	277	-51.26	-13	-38.26	Pass	V
6480.13	150	160	-48.29	-13	-35.29	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.
1399.65	152	270	-55.62	-13	-42.62	Pass	H
1649.47	152	154	-49.96	-13	-36.96	Pass	H
3811.58	145	273	-46.41	-13	-33.41	Pass	H
5990.42	153	115	-43.18	-13	-30.18	Pass	H
6626.56	154	249	-40.94	-13	-27.94	Pass	H
7906.64	152	75	-42.15	-13	-29.15	Pass	H
1285.84	155	281	-55.74	-13	-42.74	Pass	V
1384.37	155	79	-57.44	-13	-44.44	Pass	V
3615.55	150	346	-52.86	-13	-39.86	Pass	V
3839.99	148	7	-48.30	-13	-35.30	Pass	V
5860.88	150	334	-41.04	-13	-28.04	Pass	V
6629.54	151	62	-47.22	-13	-34.22	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.
1346.17	153	172	-58.85	-13	-45.85	Pass	H
1674.12	149	38	-49.09	-13	-36.09	Pass	H
3912.80	146	245	-49.33	-13	-36.33	Pass	H
5838.95	147	170	-43.28	-13	-30.28	Pass	H
6518.97	151	153	-42.98	-13	-29.98	Pass	H
8004.58	153	316	-44.66	-13	-31.66	Pass	H
1203.79	149	156	-54.17	-13	-41.17	Pass	V
1402.14	149	293	-54.64	-13	-41.64	Pass	V
3554.09	153	146	-52.99	-13	-39.99	Pass	V
3954.50	153	273	-53.76	-13	-40.76	Pass	V
5771.42	145	87	-44.68	-13	-31.68	Pass	V
6603.74	149	135	-49.61	-13	-36.61	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.
1362.33	150	2	-53.76	-13	-41.45	Pass	H
1706.08	151	341	-49.95	-13	-37.85	Pass	H
3866.57	149	99	-47.04	-13	-35.2	Pass	H
5921.19	145	100	-44.93	-13	-30.39	Pass	H
6515.84	146	21	-41.28	-13	-32.24	Pass	H
8089.35	146	73	-44.08	-13	-30.22	Pass	H
1274.79	153	211	-58.28	-13	-44.9	Pass	V
1447.48	145	331	-55.91	-13	-43.63	Pass	V
3591.39	146	25	-46.16	-13	-35.94	Pass	V
3875.77	145	63	-46.55	-13	-36.01	Pass	V
5798.06	146	320	-49.70	-13	-33.75	Pass	V
6574.45	147	114	-47.08	-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.
1331.73	152	44	-53.43	-13	-40.43	Pass	H
1797.71	147	242	-47.39	-13	-34.39	Pass	H
3963.65	151	175	-41.85	-13	-28.85	Pass	H
5822.56	150	342	-40.45	-13	-27.45	Pass	H
6602.54	154	225	-40.11	-13	-27.11	Pass	H
8070.30	153	266	-46.78	-13	-33.78	Pass	H
1260.78	153	286	-56.81	-13	-43.81	Pass	V
1399.15	153	140	-60.68	-13	-47.68	Pass	V
3606.49	145	165	-49.65	-13	-36.65	Pass	V
3732.35	147	224	-47.41	-13	-34.41	Pass	V
5901.60	154	35	-50.14	-13	-37.14	Pass	V
6567.66	154	140	-45.76	-13	-32.76	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 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.
1409.52	153	24	-58.26	-13	-45.26	Pass	H
1642.96	153	204	-49.32	-13	-36.32	Pass	H
3946.12	151	120	-51.58	-13	-38.58	Pass	H
5880.68	148	129	-47.03	-13	-34.03	Pass	H
6534.05	152	282	-44.98	-13	-31.98	Pass	H
8078.24	147	270	-44.66	-13	-31.66	Pass	H
1158.73	146	202	-52.62	-13	-39.62	Pass	V
1420.78	149	57	-57.40	-13	-44.40	Pass	V
3589.70	154	151	-50.15	-13	-37.15	Pass	V
3965.20	149	197	-53.49	-13	-40.49	Pass	V
5895.47	152	267	-42.11	-13	-29.11	Pass	V
6640.70	154	230	-44.52	-13	-31.52	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.
1284.47	146	262	-55.70	-13	-42.70	Pass	H
1643.50	150	137	-50.66	-13	-37.66	Pass	H
3872.55	146	270	-47.69	-13	-34.69	Pass	H
5832.13	154	132	-41.05	-13	-28.05	Pass	H
6566.94	148	110	-40.97	-13	-27.97	Pass	H
8075.45	153	311	-43.38	-13	-30.38	Pass	H
1226.76	148	151	-60.04	-13	-47.04	Pass	V
1338.60	148	308	-58.34	-13	-45.34	Pass	V
3554.05	146	210	-49.40	-13	-36.40	Pass	V
3876.56	150	92	-45.73	-13	-32.73	Pass	V
5725.26	155	192	-40.67	-13	-27.67	Pass	V
6553.99	146	131	-46.79	-13	-33.79	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.
1295.65	150	217	-51.23	-13	-38.23	Pass	H
1748.38	147	306	-46.67	-13	-33.67	Pass	H
3996.82	151	254	-44.20	-13	-31.20	Pass	H
5863.43	150	61	-38.50	-13	-25.50	Pass	H
6545.99	152	196	-42.79	-13	-29.79	Pass	H
8138.22	146	250	-45.70	-13	-32.70	Pass	H
1155.09	155	252	-54.48	-13	-41.48	Pass	V
1455.34	146	108	-52.81	-13	-39.81	Pass	V
3525.23	154	193	-47.31	-13	-34.31	Pass	V
3794.07	153	224	-44.68	-13	-31.68	Pass	V
5781.87	150	87	-47.88	-13	-34.88	Pass	V
6470.90	152	72	-49.01	-13	-36.01	Pass	V

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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.
1410.60	152	287	-57.32	-13	-44.32	Pass	H
1741.92	148	164	-52.08	-13	-39.08	Pass	H
3842.99	155	63	-48.01	-13	-35.01	Pass	H
5877.62	146	120	-45.36	-13	-32.36	Pass	H
6535.54	147	106	-46.81	-13	-33.81	Pass	H
7963.00	145	230	-48.16	-13	-35.16	Pass	H
1248.95	147	358	-57.50	-13	-44.50	Pass	V
1397.20	153	172	-55.47	-13	-42.47	Pass	V
3536.57	154	203	-48.56	-13	-35.56	Pass	V
3887.05	151	42	-49.70	-13	-36.70	Pass	V
5766.59	151	276	-49.36	-13	-36.36	Pass	V
6477.97	152	172	-46.74	-13	-33.74	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.
1204.42	153	160	-54.50	-13	-41.50	Pass	H
1624.07	147	222	-52.76	-13	-39.76	Pass	H
3919.26	150	302	-45.36	-13	-32.36	Pass	H
5875.46	155	30	-45.25	-13	-32.25	Pass	H
6400.45	150	36	-53.13	-13	-40.13	Pass	H
8092.35	150	162	-42.46	-13	-29.46	Pass	H
1252.70	152	126	-52.10	-13	-39.10	Pass	V
1304.89	146	289	-59.29	-13	-46.29	Pass	V
3584.04	152	331	-49.04	-13	-36.04	Pass	V
3832.00	150	295	-50.30	-13	-37.30	Pass	V
5735.72	146	221	-50.97	-13	-37.97	Pass	V
6519.86	151	269	-46.25	-13	-33.25	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.
1286.73	149	27	-55.74	-13	-42.74	Pass	H
1660.62	148	14	-48.47	-13	-35.47	Pass	H
3743.16	152	202	-46.24	-13	-33.24	Pass	H
5867.82	148	347	-40.50	-13	-27.50	Pass	H
6507.33	155	5	-44.00	-13	-31.00	Pass	H
7980.99	153	34	-46.54	-13	-33.54	Pass	H
1191.59	146	267	-54.72	-13	-41.72	Pass	V
1333.39	151	3	-51.48	-13	-38.48	Pass	V
3438.30	149	302	-53.11	-13	-40.11	Pass	V
3851.18	152	329	-43.65	-13	-30.65	Pass	V
5790.23	151	33	-41.43	-13	-28.43	Pass	V
6508.56	146	222	-47.60	-13	-34.60	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.
1262.40	151	157	-53.59	-25	-28.59	Pass	H
1789.96	149	265	-52.08	-25	-27.08	Pass	H
3944.77	150	202	-43.67	-25	-18.67	Pass	H
5823.14	152	349	-43.01	-25	-18.01	Pass	H
6414.18	153	234	-45.10	-25	-20.10	Pass	H
8120.61	151	227	-48.18	-25	-23.18	Pass	H
1193.38	146	262	-55.74	-25	-30.74	Pass	V
1380.79	152	279	-57.66	-25	-32.66	Pass	V
3636.59	153	74	-53.38	-25	-28.38	Pass	V
3888.95	145	158	-48.24	-25	-23.24	Pass	V
5725.41	150	266	-48.62	-25	-23.62	Pass	V
6482.92	147	329	-44.93	-25	-19.93	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.
1245.93	153	75	-56.67	-25	-31.67	Pass	H
1711.22	152	110	-48.25	-25	-23.25	Pass	H
3990.98	149	98	-48.43	-25	-23.43	Pass	H
5804.07	150	350	-42.34	-25	-17.34	Pass	H
6597.22	154	114	-41.97	-25	-16.97	Pass	H
8067.57	149	130	-46.92	-25	-21.92	Pass	H
1302.69	150	41	-57.66	-25	-32.66	Pass	V
1471.99	148	248	-54.51	-25	-29.51	Pass	V
3509.07	150	250	-51.92	-25	-26.92	Pass	V
3925.88	152	266	-53.05	-25	-28.05	Pass	V
5833.30	146	168	-43.62	-25	-18.62	Pass	V
6622.58	150	124	-46.22	-25	-21.22	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.
1374.72	151	17	-57.10	-25	-32.10	Pass	H
1785.53	147	91	-50.09	-25	-25.09	Pass	H
3870.76	147	187	-45.82	-25	-20.82	Pass	H
5932.84	146	227	-40.18	-25	-15.18	Pass	H
6602.83	150	218	-41.26	-25	-16.26	Pass	H
8165.67	150	169	-44.46	-25	-19.46	Pass	H
1143.79	150	265	-56.30	-25	-31.30	Pass	V
1421.58	150	171	-56.25	-25	-31.25	Pass	V
3632.67	155	128	-46.68	-25	-21.68	Pass	V
3837.56	148	226	-53.84	-25	-28.84	Pass	V
5873.31	152	262	-48.10	-25	-23.10	Pass	V
6626.81	149	227	-47.83	-25	-22.83	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.
1418.97	147	97	-50.48	-25	-25.48	Pass	H
1675.84	149	348	-45.30	-25	-20.30	Pass	H
3944.70	151	187	-50.03	-25	-25.03	Pass	H
5838.01	146	171	-45.12	-25	-20.12	Pass	H
6456.62	152	33	-44.73	-25	-19.73	Pass	H
8120.37	145	214	-46.92	-25	-21.92	Pass	H
1303.86	153	231	-50.85	-25	-25.85	Pass	V
1395.24	146	42	-61.04	-25	-36.04	Pass	V
3610.24	148	254	-54.12	-25	-29.12	Pass	V
3925.92	146	90	-51.13	-25	-26.13	Pass	V
5783.84	150	187	-43.64	-25	-18.64	Pass	V
6532.04	147	5	-46.93	-25	-21.93	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.
1297.68	152	110	-56.10	-25	-31.10	Pass	H
1767.69	147	167	-45.40	-25	-20.40	Pass	H
3892.10	146	325	-41.69	-25	-16.69	Pass	H
5808.72	151	239	-42.49	-25	-17.49	Pass	H
6470.66	152	128	-44.63	-25	-19.63	Pass	H
8106.58	147	169	-44.63	-25	-19.63	Pass	H
1292.31	148	91	-53.58	-25	-28.58	Pass	V
1461.38	154	113	-55.37	-25	-30.37	Pass	V
3599.02	153	193	-47.52	-25	-22.52	Pass	V
3803.92	154	87	-49.11	-25	-24.11	Pass	V
5734.40	146	223	-43.92	-25	-18.92	Pass	V
6460.65	146	204	-48.04	-25	-23.04	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.
1259.97	151	216	-53.44	-25	-28.44	Pass	H
1728.50	153	306	-46.83	-25	-21.83	Pass	H
3890.76	153	132	-43.32	-25	-18.32	Pass	H
5796.37	154	51	-38.66	-25	-13.66	Pass	H
6537.55	153	133	-43.56	-25	-18.56	Pass	H
8062.40	155	66	-41.99	-25	-16.99	Pass	H
1161.63	149	226	-54.62	-25	-29.62	Pass	V
1543.20	151	292	-53.55	-25	-28.55	Pass	V
3574.50	146	131	-55.30	-25	-30.30	Pass	V
3771.04	151	172	-53.56	-25	-28.56	Pass	V
5827.95	148	2	-47.29	-25	-22.29	Pass	V
6600.97	151	329	-45.42	-25	-20.42	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

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