



TEST REPORT

Test item description: Kids Smartwatch
FCC ID: 2BRO4-DF98PRO
Trademark(s): Kipy
Model/Type reference: DF98PRO, DF98, DF98KEEP, KIPY360, Kipy Chat, Connect, Ultra, HelloKipy, Link, Next
Applicant's name: KIDI COMMUNICATION LTD
Address: Menachem Begin 1stKiryat Malachi, 8306204 Israel
Manufacturer: KIDI COMMUNICATION LTD
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Sample Received Date: Mar. 26, 2026
Sample tested Date: Mar. 26, 2026 to Apr. 10, 2026
Issue Date: Apr. 10, 2026
Report No.: CTB26032606101RF05
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
CTB26032606101RF05	Apr. 10, 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:	DF98PRO, DF98, DF98KEEP, KIPY360, Kipy Chat, Connect, Ultra, HelloKipy, Link, Next
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: DF98PRO
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 2: 1850-1910MHz FDD-LTE BAND 5: 824-849MHz FDD-LTE BAND 7: 2500-2570MHz FDD-LTE BAND 12: 699-716MHz FDD-LTE BAND 17: 704-716MHz
Max. RF output power:	FDD-LTE BAND 2: 20.37dBm FDD-LTE BAND 5: 21.91dBm FDD-LTE BAND 7: 22.19dBm FDD-LTE BAND 12: 22.69dBm FDD-LTE BAND 17: 22.2dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Internal antenna
Antenna Gain:	FDD-LTE BAND 2: -1.14dBi FDD-LTE BAND 5: -15.16dBi FDD-LTE BAND 7: -3.81dBi FDD-LTE BAND 12: -14dBi FDD-LTE BAND 17: -14.59dBi
Ratings:	DC 5V charging from adapter DC 3.8V by battery

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	Adapter	JIYIN	JY-05100C	/	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	TDD-LTE BAND 5	Low, Middle, High Channels
TM3	TDD-LTE BAND 7	Low, Middle, High Channels
TM4	TDD-LTE BAND 12	Low, Middle, High Channels
TM5	TDD-LTE BAND 17	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	3.8V
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.

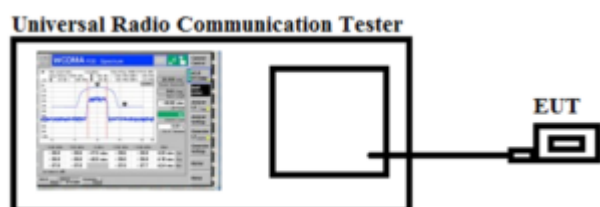
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

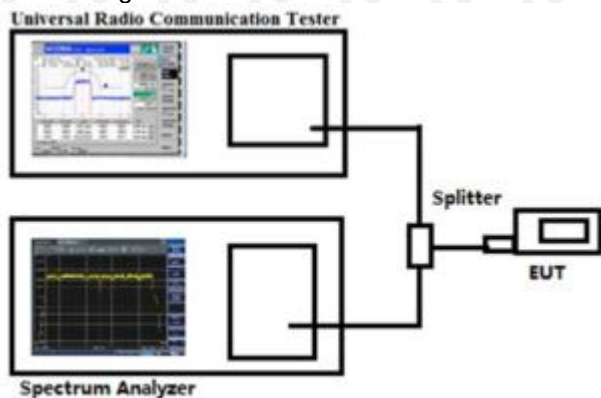
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

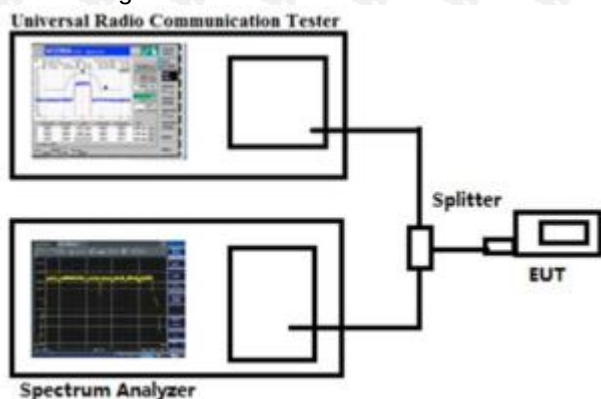
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

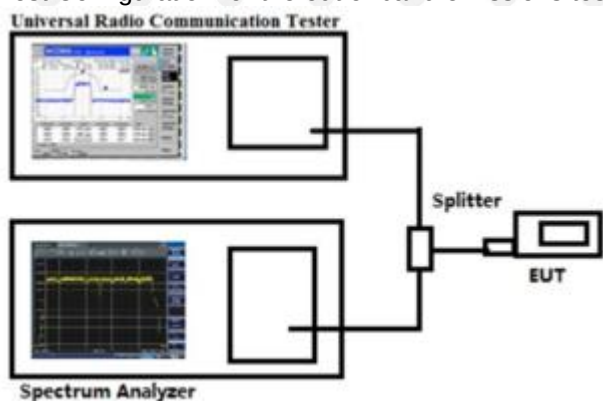
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ 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.
1386.56	159	281	-55.89	-13	-42.89	Pass	H
1675.89	149	171	-48.04	-13	-35.04	Pass	H
3956.08	156	2	-48.61	-13	-35.61	Pass	H
5922.04	158	250	-46.13	-13	-33.13	Pass	H
6460.79	156	323	-41.88	-13	-28.88	Pass	H
8026.72	143	303	-40.54	-13	-27.54	Pass	H
1293.86	155	243	-55.38	-13	-42.38	Pass	V
1375.40	157	180	-59.57	-13	-46.57	Pass	V
3609.58	157	339	-52.08	-13	-39.08	Pass	V
3754.84	155	20	-51.63	-13	-38.63	Pass	V
5781.67	159	255	-47.29	-13	-34.29	Pass	V
6506.40	157	130	-47.18	-13	-34.18	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.
1282.83	150	261	-54.49	-13	-41.49	Pass	H
1751.46	146	327	-51.94	-13	-38.94	Pass	H
3853.03	150	119	-48.18	-13	-35.18	Pass	H
5779.42	146	147	-47.30	-13	-34.30	Pass	H
6358.89	149	91	-46.62	-13	-33.62	Pass	H
7998.46	151	68	-50.38	-13	-37.38	Pass	H
1318.69	149	300	-51.36	-13	-38.36	Pass	V
1321.88	148	80	-61.48	-13	-48.48	Pass	V
3634.44	147	189	-52.45	-13	-39.45	Pass	V
3975.29	148	254	-52.53	-13	-39.53	Pass	V
5828.88	150	146	-50.51	-13	-37.51	Pass	V
6547.23	150	43	-45.97	-13	-32.97	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.
1279.70	154	168	-58.21	-13	-45.21	Pass	H
1659.79	153	59	-52.81	-13	-39.81	Pass	H
3859.50	153	297	-47.94	-13	-34.94	Pass	H
5937.49	153	40	-42.47	-13	-29.47	Pass	H
6620.76	149	177	-41.84	-13	-28.84	Pass	H
7922.88	146	208	-46.13	-13	-33.13	Pass	H
1350.22	149	300	-54.12	-13	-41.12	Pass	V
1462.97	153	105	-54.31	-13	-41.31	Pass	V
3454.90	150	34	-49.93	-13	-36.93	Pass	V
3925.21	145	91	-48.91	-13	-35.91	Pass	V
5824.01	149	225	-45.47	-13	-32.47	Pass	V
6580.73	153	170	-49.24	-13	-36.24	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.
1398.79	154	119	-60.69	-13	-47.69	Pass	H
1736.43	152	43	-46.27	-13	-33.27	Pass	H
3944.63	146	346	-48.84	-13	-35.84	Pass	H
6004.05	149	216	-45.46	-13	-32.46	Pass	H
6580.18	154	293	-41.58	-13	-28.58	Pass	H
7924.96	148	218	-42.09	-13	-29.09	Pass	H
1115.90	147	10	-53.45	-13	-40.45	Pass	V
1364.70	149	24	-54.13	-13	-41.13	Pass	V
3570.31	150	166	-52.71	-13	-39.71	Pass	V
3988.42	148	54	-51.74	-13	-38.74	Pass	V
5853.92	146	207	-45.54	-13	-32.54	Pass	V
6515.34	147	198	-49.79	-13	-36.79	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.
1353.04	149	245	-54.73	-13	-41.45	Pass	H
1728.17	149	358	-52.63	-13	-37.85	Pass	H
3856.98	151	92	-48.16	-13	-35.2	Pass	H
5992.82	151	296	-43.81	-13	-30.39	Pass	H
6537.16	149	114	-46.62	-13	-32.24	Pass	H
7987.08	151	250	-41.32	-13	-30.22	Pass	H
1231.71	150	127	-58.15	-13	-44.9	Pass	V
1412.84	153	308	-57.24	-13	-43.63	Pass	V
3538.71	146	79	-50.46	-13	-35.94	Pass	V
3836.52	149	277	-45.61	-13	-36.01	Pass	V
5819.32	151	14	-47.43	-13	-33.75	Pass	V
6606.70	154	290	-47.48	-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.
1368.27	149	320	-55.86	-13	-42.86	Pass	H
1747.79	148	179	-51.88	-13	-38.88	Pass	H
3880.58	148	327	-42.81	-13	-29.81	Pass	H
5857.94	150	73	-41.01	-13	-28.01	Pass	H
6510.05	153	212	-39.53	-13	-26.53	Pass	H
8031.39	153	117	-44.62	-13	-31.62	Pass	H
1120.80	152	41	-56.25	-13	-43.25	Pass	V
1401.71	152	294	-56.21	-13	-43.21	Pass	V
3520.28	148	358	-47.72	-13	-34.72	Pass	V
3850.27	146	131	-53.09	-13	-40.09	Pass	V
5830.46	153	21	-47.61	-13	-34.61	Pass	V
6582.52	151	330	-42.01	-13	-29.01	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 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.
1414.96	155	175	-60.32	-13	-47.32	Pass	H
1637.22	149	110	-44.82	-13	-31.82	Pass	H
3772.75	146	27	-52.53	-13	-39.53	Pass	H
5986.22	153	247	-47.98	-13	-34.98	Pass	H
6534.72	152	220	-41.06	-13	-28.06	Pass	H
8086.48	148	280	-42.63	-13	-29.63	Pass	H
1150.24	154	164	-53.94	-13	-40.94	Pass	V
1524.26	155	156	-54.31	-13	-41.31	Pass	V
3534.32	150	219	-49.39	-13	-36.39	Pass	V
3950.51	150	10	-53.48	-13	-40.48	Pass	V
5933.83	154	186	-43.34	-13	-30.34	Pass	V
6562.61	153	209	-50.48	-13	-37.48	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.
1251.44	153	180	-54.33	-13	-41.33	Pass	H
1697.67	155	19	-45.43	-13	-32.43	Pass	H
3930.61	150	117	-47.02	-13	-34.02	Pass	H
5999.32	153	333	-39.45	-13	-26.45	Pass	H
6507.28	151	156	-41.82	-13	-28.82	Pass	H
8055.32	151	310	-42.11	-13	-29.11	Pass	H
1093.80	147	309	-54.85	-13	-41.85	Pass	V
1378.66	147	332	-55.72	-13	-42.72	Pass	V
3499.34	153	215	-45.75	-13	-32.75	Pass	V
3766.70	147	137	-45.06	-13	-32.06	Pass	V
5858.90	153	25	-45.12	-13	-32.12	Pass	V
6563.98	146	83	-42.21	-13	-29.21	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.
1384.88	150	13	-55.01	-13	-42.01	Pass	H
1775.73	152	92	-46.51	-13	-33.51	Pass	H
3927.06	146	335	-41.24	-13	-28.24	Pass	H
5891.12	149	61	-39.66	-13	-26.66	Pass	H
6601.68	153	283	-44.40	-13	-31.40	Pass	H
8066.31	152	5	-39.57	-13	-26.57	Pass	H
1133.16	151	47	-52.09	-13	-39.09	Pass	V
1541.83	152	185	-56.25	-13	-43.25	Pass	V
3561.50	154	230	-49.55	-13	-36.55	Pass	V
3920.21	152	259	-46.85	-13	-33.85	Pass	V
5770.33	150	92	-45.72	-13	-32.72	Pass	V
6585.48	152	211	-51.39	-13	-38.39	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.
1295.23	149	208	-57.72	-13	-44.72	Pass	H
1743.77	150	296	-52.96	-13	-39.96	Pass	H
3822.13	146	250	-53.35	-13	-40.35	Pass	H
5836.75	146	271	-45.65	-13	-32.65	Pass	H
6597.59	150	161	-46.84	-13	-33.84	Pass	H
8039.23	146	287	-47.25	-13	-34.25	Pass	H
1137.10	149	166	-56.38	-13	-43.38	Pass	V
1403.83	152	212	-51.77	-13	-38.77	Pass	V
3595.27	154	326	-49.21	-13	-36.21	Pass	V
3773.38	146	308	-48.39	-13	-35.39	Pass	V
5815.85	148	50	-49.26	-13	-36.26	Pass	V
6554.82	152	122	-44.76	-13	-31.76	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.
1358.85	153	356	-53.07	-13	-40.07	Pass	H
1621.81	147	233	-53.81	-13	-40.81	Pass	H
3871.54	151	110	-52.16	-13	-39.16	Pass	H
5950.22	145	168	-41.56	-13	-28.56	Pass	H
6368.87	150	79	-51.80	-13	-38.80	Pass	H
8083.89	149	245	-47.76	-13	-34.76	Pass	H
1143.06	148	186	-51.37	-13	-38.37	Pass	V
1348.27	147	210	-60.79	-13	-47.79	Pass	V
3549.59	147	266	-50.04	-13	-37.04	Pass	V
3858.24	150	119	-50.20	-13	-37.20	Pass	V
5766.85	146	303	-54.22	-13	-41.22	Pass	V
6487.10	145	171	-48.32	-13	-35.32	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.
1320.04	147	130	-54.29	-13	-41.29	Pass	H
1577.19	152	235	-54.66	-13	-41.66	Pass	H
3785.92	153	251	-48.05	-13	-35.05	Pass	H
5863.97	146	126	-39.46	-13	-26.46	Pass	H
6507.46	148	97	-45.16	-13	-32.16	Pass	H
7973.25	150	15	-42.91	-13	-29.91	Pass	H
1198.82	151	149	-55.85	-13	-42.85	Pass	V
1350.14	149	108	-56.17	-13	-43.17	Pass	V
3439.82	153	94	-51.65	-13	-38.65	Pass	V
3817.95	146	82	-45.90	-13	-32.90	Pass	V
5778.42	152	208	-45.96	-13	-32.96	Pass	V
6539.57	149	81	-49.42	-13	-36.42	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 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.
1242.85	151	224	-54.15	-13	-41.15	Pass	H
1772.50	150	256	-43.43	-13	-30.43	Pass	H
3789.15	146	73	-52.38	-13	-39.38	Pass	H
5874.69	149	26	-43.22	-13	-30.22	Pass	H
6524.89	148	103	-43.16	-13	-30.16	Pass	H
7923.26	146	189	-43.07	-13	-30.07	Pass	H
1084.30	145	114	-53.81	-13	-40.81	Pass	V
1367.33	151	274	-54.91	-13	-41.91	Pass	V
3562.71	149	29	-47.63	-13	-34.63	Pass	V
3874.66	155	331	-53.91	-13	-40.91	Pass	V
5927.82	151	77	-46.08	-13	-33.08	Pass	V
6532.02	147	168	-44.97	-13	-31.97	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.
1367.55	149	227	-51.27	-13	-38.27	Pass	H
1751.06	149	203	-44.81	-13	-31.81	Pass	H
3757.31	155	239	-44.08	-13	-31.08	Pass	H
6009.59	147	10	-42.26	-13	-29.26	Pass	H
6585.52	152	16	-42.02	-13	-29.02	Pass	H
8061.60	148	226	-44.76	-13	-31.76	Pass	H
1215.09	151	193	-59.08	-13	-46.08	Pass	V
1334.45	145	332	-61.62	-13	-48.62	Pass	V
3454.03	145	20	-51.66	-13	-38.66	Pass	V
3885.07	151	27	-47.94	-13	-34.94	Pass	V
5864.27	147	199	-41.58	-13	-28.58	Pass	V
6433.05	146	168	-46.48	-13	-33.48	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.
1276.60	147	14	-51.72	-13	-38.72	Pass	H
1612.72	147	168	-50.32	-13	-37.32	Pass	H
3921.89	145	289	-43.43	-13	-30.43	Pass	H
5905.52	151	77	-42.88	-13	-29.88	Pass	H
6544.07	155	223	-42.52	-13	-29.52	Pass	H
8097.27	149	237	-41.56	-13	-28.56	Pass	H
1126.56	155	58	-52.06	-13	-39.06	Pass	V
1454.25	146	163	-58.88	-13	-45.88	Pass	V
3616.74	149	35	-49.22	-13	-36.22	Pass	V
3832.22	151	81	-46.30	-13	-33.30	Pass	V
5900.90	148	254	-44.39	-13	-31.39	Pass	V
6623.88	151	128	-50.79	-13	-37.79	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.
1310.07	153	152	-53.49	-13	-40.49	Pass	H
1751.01	154	312	-50.24	-13	-37.24	Pass	H
3864.88	148	116	-52.63	-13	-39.63	Pass	H
5926.90	150	31	-45.99	-13	-32.99	Pass	H
6580.50	151	158	-48.94	-13	-35.94	Pass	H
8032.20	147	319	-50.56	-13	-37.56	Pass	H
1238.99	146	277	-56.38	-13	-43.38	Pass	V
1382.24	148	124	-52.86	-13	-39.86	Pass	V
3505.15	154	57	-47.38	-13	-34.38	Pass	V
3886.86	149	113	-50.03	-13	-37.03	Pass	V
5763.40	146	169	-49.02	-13	-36.02	Pass	V
6477.34	148	54	-49.44	-13	-36.44	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.
1310.89	153	51	-56.86	-13	-43.86	Pass	H
1761.95	146	221	-50.63	-13	-37.63	Pass	H
3885.68	147	8	-51.59	-13	-38.59	Pass	H
5894.92	148	213	-45.56	-13	-32.56	Pass	H
6444.51	154	254	-52.60	-13	-39.60	Pass	H
8101.16	151	246	-45.42	-13	-32.42	Pass	H
1187.94	150	297	-54.79	-13	-41.79	Pass	V
1350.10	152	217	-65.67	-13	-52.67	Pass	V
3520.46	147	164	-48.67	-13	-35.67	Pass	V
3987.09	153	178	-51.04	-13	-38.04	Pass	V
5883.09	149	168	-54.13	-13	-41.13	Pass	V
6419.15	148	236	-47.69	-13	-34.69	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.
1242.47	148	170	-60.02	-13	-47.02	Pass	H
1615.80	152	325	-48.93	-13	-35.93	Pass	H
3776.95	148	11	-46.14	-13	-33.14	Pass	H
5861.46	149	256	-44.22	-13	-31.22	Pass	H
6488.23	153	111	-39.92	-13	-26.92	Pass	H
7942.34	147	180	-48.10	-13	-35.10	Pass	H
1172.43	150	321	-53.07	-13	-40.07	Pass	V
1352.92	154	16	-50.44	-13	-37.44	Pass	V
3522.76	145	355	-52.52	-13	-39.52	Pass	V
3838.46	153	76	-43.24	-13	-30.24	Pass	V
5758.52	155	342	-45.06	-13	-32.06	Pass	V
6507.60	148	192	-49.84	-13	-36.84	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.
1358.85	151	93	-58.27	-13	-45.27	Pass	H
1720.35	159	179	-48.80	-13	-35.80	Pass	H
3953.21	145	87	-49.69	-13	-36.69	Pass	H
5922.87	148	235	-45.56	-13	-32.56	Pass	H
6588.04	159	181	-43.39	-13	-30.39	Pass	H
8029.87	148	159	-43.55	-13	-30.55	Pass	H
1115.11	152	193	-55.93	-13	-42.93	Pass	V
1541.56	153	99	-59.28	-13	-46.28	Pass	V
3626.08	146	25	-52.20	-13	-39.20	Pass	V
3789.09	148	338	-52.62	-13	-39.62	Pass	V
5848.42	149	14	-48.32	-13	-35.32	Pass	V
6646.84	156	17	-46.89	-13	-33.89	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.
1303.87	150	89	-59.15	-13	-46.15	Pass	H
1679.77	146	297	-49.35	-13	-36.35	Pass	H
3830.19	150	272	-53.34	-13	-40.34	Pass	H
5875.31	146	254	-45.31	-13	-32.31	Pass	H
6419.91	149	150	-46.73	-13	-33.73	Pass	H
8079.20	151	242	-48.74	-13	-35.74	Pass	H
1244.64	149	113	-55.00	-13	-42.00	Pass	V
1416.35	148	295	-58.44	-13	-45.44	Pass	V
3673.60	147	166	-53.01	-13	-40.01	Pass	V
3949.39	148	235	-52.27	-13	-39.27	Pass	V
5774.26	150	314	-49.95	-13	-36.95	Pass	V
6512.79	150	206	-45.68	-13	-32.68	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.
1372.54	146	207	-56.41	-13	-43.41	Pass	H
1678.14	147	290	-53.96	-13	-40.96	Pass	H
3762.50	151	231	-46.49	-13	-33.49	Pass	H
5890.34	146	268	-38.53	-13	-25.53	Pass	H
6477.78	147	204	-42.14	-13	-29.14	Pass	H
7900.39	150	34	-47.19	-13	-34.19	Pass	H
1235.35	153	330	-55.48	-13	-42.48	Pass	V
1483.75	153	265	-55.43	-13	-42.43	Pass	V
3509.35	146	136	-50.68	-13	-37.68	Pass	V
3997.93	148	125	-46.56	-13	-33.56	Pass	V
5839.68	152	157	-43.13	-13	-30.13	Pass	V
6597.33	151	334	-49.68	-13	-36.68	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.
1428.66	151	100	-55.74	-13	-42.74	Pass	H
1677.99	149	110	-50.26	-13	-37.26	Pass	H
3870.15	147	187	-46.21	-13	-33.21	Pass	H
5914.63	148	229	-43.26	-13	-30.26	Pass	H
6472.89	147	62	-41.33	-13	-28.33	Pass	H
7923.16	149	121	-44.13	-13	-31.13	Pass	H
1101.26	155	103	-52.57	-13	-39.57	Pass	V
1341.51	154	99	-56.55	-13	-43.55	Pass	V
3537.62	152	63	-48.92	-13	-35.92	Pass	V
3921.59	152	347	-49.83	-13	-36.83	Pass	V
5857.94	151	26	-42.74	-13	-29.74	Pass	V
6651.39	146	79	-50.02	-13	-37.02	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.
1358.65	150	64	-55.88	-13	-41.45	Pass	H
1687.57	150	109	-51.80	-13	-37.85	Pass	H
3868.32	152	237	-51.06	-13	-35.2	Pass	H
5900.19	155	224	-41.88	-13	-30.39	Pass	H
6491.56	148	356	-45.15	-13	-32.24	Pass	H
8142.74	151	179	-41.46	-13	-30.22	Pass	H
1169.53	149	135	-55.44	-13	-44.9	Pass	V
1363.69	150	226	-56.52	-13	-43.63	Pass	V
3626.19	148	327	-46.59	-13	-35.94	Pass	V
3868.69	148	193	-46.28	-13	-36.01	Pass	V
5868.00	151	187	-47.13	-13	-33.75	Pass	V
6457.42	148	54	-42.21	-13	-32.41	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.
1327.96	150	66	-57.26	-13	-44.26	Pass	H
1725.82	146	6	-46.25	-13	-33.25	Pass	H
3845.05	149	172	-44.64	-13	-31.64	Pass	H
5845.77	152	41	-39.71	-13	-26.71	Pass	H
6524.95	146	26	-42.35	-13	-29.35	Pass	H
8071.29	153	202	-48.36	-13	-35.36	Pass	H
1116.38	152	269	-55.37	-13	-42.37	Pass	V
1466.18	153	203	-59.53	-13	-46.53	Pass	V
3628.14	147	351	-46.97	-13	-33.97	Pass	V
3881.79	153	236	-50.71	-13	-37.71	Pass	V
5879.53	153	27	-50.19	-13	-37.19	Pass	V
6501.69	153	266	-43.24	-13	-30.24	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 17 23755 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1345.00	152	7	-54.22	-13	-41.22	Pass	H
1639.91	154	169	-45.95	-13	-32.95	Pass	H
3802.55	148	144	-47.35	-13	-34.35	Pass	H
5964.11	153	42	-44.69	-13	-31.69	Pass	H
6624.56	150	131	-42.92	-13	-29.92	Pass	H
8054.96	151	220	-38.48	-13	-25.48	Pass	H
1085.94	148	350	-56.34	-13	-43.34	Pass	V
1422.87	155	211	-54.41	-13	-41.41	Pass	V
3515.61	152	144	-52.79	-13	-39.79	Pass	V
3957.26	152	34	-54.20	-13	-41.20	Pass	V
5809.08	147	284	-45.64	-13	-32.64	Pass	V
6633.31	153	189	-49.44	-13	-36.44	Pass	V

Band 17 23790 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1336.85	150	31	-53.67	-13	-40.67	Pass	H
1757.27	154	170	-50.45	-13	-37.45	Pass	H
3766.61	148	200	-49.41	-13	-36.41	Pass	H
5928.62	148	311	-39.79	-13	-26.79	Pass	H
6564.56	150	167	-43.12	-13	-30.12	Pass	H
8059.28	149	297	-42.54	-13	-29.54	Pass	H
1236.12	152	247	-57.52	-13	-44.52	Pass	V
1297.36	148	12	-61.18	-13	-48.18	Pass	V
3467.68	151	149	-51.23	-13	-38.23	Pass	V
3876.23	154	345	-48.00	-13	-35.00	Pass	V
5914.88	147	289	-40.68	-13	-27.68	Pass	V
6611.94	154	257	-42.26	-13	-29.26	Pass	V

Band 17 23825 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1364.18	145	323	-53.68	-13	-40.68	Pass	H
1771.11	147	112	-46.71	-13	-33.71	Pass	H
3953.22	151	68	-45.89	-13	-32.89	Pass	H
5951.22	145	0	-40.86	-13	-27.86	Pass	H
6579.06	153	37	-44.58	-13	-31.58	Pass	H
8017.18	147	19	-45.11	-13	-32.11	Pass	H
1161.31	150	69	-54.51	-13	-41.51	Pass	V
1439.67	148	181	-53.80	-13	-40.80	Pass	V
3618.98	149	169	-51.36	-13	-38.36	Pass	V
3799.25	147	315	-46.13	-13	-33.13	Pass	V
5804.33	152	281	-50.31	-13	-37.31	Pass	V
6579.88	152	218	-50.68	-13	-37.68	Pass	V

16QAM

Band 17 23755 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1259.49	150	266	-58.26	-13	-45.26	Pass	H
1728.23	153	89	-50.78	-13	-37.78	Pass	H
3825.77	145	95	-50.57	-13	-37.57	Pass	H
5794.33	151	314	-48.15	-13	-35.15	Pass	H
6568.33	152	278	-46.74	-13	-33.74	Pass	H
8000.33	150	350	-44.05	-13	-31.05	Pass	H
1185.44	147	267	-59.09	-13	-46.09	Pass	V
1513.33	154	37	-55.37	-13	-42.37	Pass	V
3568.00	146	228	-51.43	-13	-38.43	Pass	V
3784.27	152	282	-50.46	-13	-37.46	Pass	V
5794.18	153	235	-43.07	-13	-30.07	Pass	V
6627.40	154	21	-49.69	-13	-36.69	Pass	V

Band 17 23790 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1389.84	151	320	-56.99	-13	-43.99	Pass	H
1793.09	155	204	-56.40	-13	-43.40	Pass	H
3951.80	154	270	-45.23	-13	-32.23	Pass	H
5945.90	145	266	-47.30	-13	-34.30	Pass	H
6479.18	150	95	-48.19	-13	-35.19	Pass	H
7983.17	153	318	-44.05	-13	-31.05	Pass	H
1209.24	149	101	-56.88	-13	-43.88	Pass	V
1413.98	151	280	-63.07	-13	-50.07	Pass	V
3680.62	154	119	-55.00	-13	-42.00	Pass	V
3944.72	153	101	-52.29	-13	-39.29	Pass	V
5874.68	152	170	-49.92	-13	-36.92	Pass	V
6499.41	149	240	-45.12	-13	-32.12	Pass	V

Band 17 23825 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1285.13	153	44	-57.83	-13	-44.83	Pass	H
1661.80	146	26	-53.18	-13	-40.18	Pass	H
3836.53	146	237	-46.50	-13	-33.50	Pass	H
5864.78	146	6	-39.75	-13	-26.75	Pass	H
6518.40	147	338	-42.87	-13	-29.87	Pass	H
7901.66	155	223	-44.62	-13	-31.62	Pass	H
1177.00	154	164	-51.62	-13	-38.62	Pass	V
1340.73	147	7	-55.65	-13	-42.65	Pass	V
3473.00	152	100	-52.78	-13	-39.78	Pass	V
3880.30	148	357	-46.67	-13	-33.67	Pass	V
5772.99	145	1	-47.39	-13	-34.39	Pass	V
6483.51	147	50	-49.50	-13	-36.50	Pass	V

Note:

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

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

12. FREQUENCY STABILITY

12.1 Standard Applicable

According to §22.355, §24.235, §27.54 the limit is 2.5ppm.

12.2 Test Procedure

According to §2.1055, the following test procedure was performed.

The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.

The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode

12.3 Summary of Test Results/Plots

Note: 1.Normal Voltage NV=DC 3.8V; Low Voltage LV=DC 3.42V; High Voltage HV=DC 4.18V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

※※※※※ END OF REPORT ※※※※※