



TEST REPORT

Product Name: Kids Smart Watch
FCC ID: 2BHYW-LT49
Trademark: N/A
Model Number: LT49, LT30, LT46, LT47, LT48, LT50, LT51, LT53, LT55, A20, A22, A23, A25, X30, X38, X50, X53, X60, X61, X62, X63, X65, X66, X67, X68, T41, T41-PINK, LT31, LT41, G41, LT52, LT56, 4G S07, 4G 2021, 4G S02
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Sample Received Date: Jun. 05, 2024
Sample tested Date: Jun. 05, 2024 to Jun. 28, 2024
Issue Date: Jun. 28, 2024
Report No.: CTB240628057RFX
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

Compiled by:

Reviewed by:

Approved by:

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Bin 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. 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.

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(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB240628057RFX	Jun. 28, 2024	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)(2)/ Part 24.232(c)/Part27.50(h)(2)/ Part27.50(d)(4)/ Part27.50(c)(10)/ Part27.50(b)(10)/ Part27.50(a)(3)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 22.913(d)/Part 27.50(d) /Part 27.50(a) (1)	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 24.238(a)/Part 27.53(g) (1) Part 22.917(a)/Part 27.53(i) (4)/ Part 27.53(c) /Part 27.253(f)/Part 27.53(a) (2)	KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 24.238(a)/Part 27.53(g) (1) Part 22.917(a)/Part 27.53(i) (4)/ Part 27.53(c) /Part 27.253(f)/Part 27.53(a) (2)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1051/ Part 24.238(a)/Part 27.53(g) (1) Part 22.917(a)/Part 27.53(i) (4)/ Part 27.53(c) /Part 27.253(f)/Part 27.53(a) (2)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54/ Part 22.355	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS

3. MEASUREMENT UNCERTAINTY

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

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

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model(s):	LT49, LT30, LT46, LT47, LT48, LT50, LT51, LT53, LT55, A20, A22, A23, A25, X30, X38, X50, X53, X60, X61, X62, X63, X65, X66, X67, X68, T41, T41-PINK, LT31, LT41, G41, LT52, LT56, 4G S07, 4G 2021, 4G S02
Model Description:	All models only have different names and appearances, everything else is the same. Test model: LT49
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 2: 1850-1910MHz FDD-LTE BAND 4: 1710-1755MHz FDD-LTE BAND 5: 824-849MHz FDD-LTE BAND 7: 2500-2570MHz FDD-LTE BAND 12: 699-716MHz FDD-LTE BAND 13: 777-787MHz FDD-LTE BAND 17: 704-716MHz FDD-LTE BAND 18: 824-830MHz FDD-LTE BAND 19: 830-845MHz FDD-LTE BAND 26: 824-849MHz FDD-LTE BAND 66: 1710-1780MHz
Max. RF output power:	FDD-LTE BAND 2: 21.89dBm FDD-LTE BAND 4: 21.77dBm FDD-LTE BAND 5: 24.56dBm FDD-LTE BAND 7: 21.13dBm FDD-LTE BAND 12: 22.85dBm FDD-LTE BAND 13: 22.91dBm FDD-LTE BAND 17: 22.86dBm FDD-LTE BAND 18: 23.08dBm FDD-LTE BAND 19: 22.84dBm FDD-LTE BAND 26: 23.52dBm FDD-LTE BAND 66: 23.27dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Internal antenna
Antenna Gain:	FDD-LTE BAND 2: -3.54dBi FDD-LTE BAND 4: 6.72dBi FDD-LTE BAND 5: -17.07dBi FDD-LTE BAND 7: -2.39dBi FDD-LTE BAND 12: -6.79dBi FDD-LTE BAND 13: -9.4dBi FDD-LTE BAND 17: -13.76dBi FDD-LTE BAND 18: -17.07dBi FDD-LTE BAND 19: -17.07dBi

FDD-LTE BAND 26: -17.07dBi

FDD-LTE BAND 66: -6.01dBi

Ratings:

DC 5V charging from adapter

DC 3.85V 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/TypeNo.	SeriesNo.	Note
1.	Adapter	JIYIN	JY-05100C	/	/

Notes:

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

4.4 Test Mode

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE BAND 2	Low, Middle, High Channels
TM2	FDD-LTE BAND 4	Low, Middle, High Channels
TM3	FDD-LTE BAND 5	Low, Middle, High Channels
TM4	FDD-LTE BAND 7	Low, Middle, High Channels
TM5	FDD-LTE BAND 12	Low, Middle, High Channels
TM6	FDD-LTE BAND 13	Low, Middle, High Channels
TM7	FDD-LTE BAND 17	Low, Middle, High Channels
TM8	FDD-LTE BAND 18	Low, Middle, High Channels
TM9	FDD-LTE BAND 19	Low, Middle, High Channels
TM10	FDD-LTE BAND26	Low, Middle, High Channels
TM11	FDD-LTE BAND 66	Low, Middle, High Channels

LTE BAND 2

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 2	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Mid Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900

LTE BAND 4

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 4	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Mid Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745

LTE BAND 5

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 5	Low Range	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Mid Range	1.4/3/5/10	20525	836.5
	High Range	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844

LTE BAND 7

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 7	Low Range	5	20775	2502.5
		10	20800	2505
		15	20825	2507.5
		20	20850	2510
	Mid Range	5/10/15/20	21100	2535
	High Range	5	21425	2567.5
		10	21400	2565
		15	21375	2562.5
		20	21350	2560

LTE BAND 12

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 12	Low Range	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Mid Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711

LTE BAND 13

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 13	Low Range	5	23025	779.5
		10	23230	782
	Mid Range	5/10	23230	782
	High Range	5	23255	784.5
		10	23230	782

LTE BAND 17

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 17	Low Range	5	23755	706.5
		10	23780	709
	Mid Range	5/10	23790	710
	High Range	5	23825	713.5
		10	23800	711

Test Mode	Test Frequency	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
FDD band 18 TX 824-830MHz RX 869-875MHz	Low Range	1.4	23947	824.7	5947	869.7
		3	23955	825.5	5955	870.5
		5	23965	826.5	5965	871.5
	Mid Range	1.4/3/5	23970	827	5970	872
	High Range	1.4	23993	829.3	5993	874.3
		3	23985	828.3	5985	873.3
		5	23975	827.5	5975	872.5

Test Mode	Test Frequency	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
FDD band 19 TX 830-845MHz RX 875-890MHz	Low Range	5	24025	832.5	6025	877.5
		10	24050	835	6050	880
		15	24075	837.5	6075	882.5
	Mid Range	5/10/15	24075	837.5	6075	882.5
	High Range	5	24125	842.5	6125	887.5
		10	24100	840	6100	885
		15	24075	837.5	6075	882.5

Test Mode	Test Frequency	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
FDD band 26 TX 814-849MHz RX 859-894 MHz	Low Range	1.4	26697	814.7	8697	859.7
		3	26705	815.5	8705	860.5
		5	26715	816.5	8715	861.5
		10	26740	819	8740	864
		15	26765	821.5	8765	866.5
	Mid Range	1.4/3/5/10/15	26865	831.5	8865	876.5
	High Range	1.4	27033	848.3	9033	893.3
		3	27025	847.5	9025	892.5
		5	27015	846.5	9015	891.5
		10	26990	844	8990	889
		15	26960	841.5	8965	886.5

LTE BAND 66

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 66	Low Range	1.4	66443	2110.7
		3	66451	2111.5
		5	66461	2112.5
		10	66486	2115
		15	66511	2117.5
		20	66536	2120
	Mid Range TX ¹	1.4/3/5/10/15/20	66786	2145
	Mid Range	1.4/3/5/10/15/20	66886	2155
	Paired High Range ²	1.4	67129	2179.3
		3	67121	2178.5
		5	67111	2177.5
		10	67086	2175
		15	67061	2172.5
		20	67036	2170
	High Range ³	1.4	67329	2199.3
		3	67321	2198.5
		5	67311	2197.5
		10	67286	2195
		15	67261	2192.5
		20	67236	2190

Note: EUT is UE category 1, 16QAM Modulation of 10MHz/15MHz/20MHz for all bands FULL RB size is not supported.

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	3.85V
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.

5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2024.07.05
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2024.07.05
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2024.07.05
4	Communication test set	R&S	CMW500	108058	V3.5.80	2024.07.05
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2024.07.05
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2024.07.05
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2024.07.05
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2024.07.06
9	2.4 GHz Filter	Shenxiang	MSF2400-24 83.5MS-1154	20181015001	/	2024.07.05
10	5 GHz Filter	Shenxiang	MSF5150-58 50MS-1155	20181015001	/	2024.07.06
11	Filter	Xingbo	XBLBQ-DZA 120	190821-1-1	/	2024.07.06
12	BT&WI-FI Automatic test software	Microwave	MTS8000	Ver. 2.0.0.0	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2024.10.30
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2024.07.05
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/	/
16	966 chamber	C.R.T.	966	/	/	2024.08.11
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2024.07.05
18	Amplifier	HP	8447E	2945A02747	/	2024.07.05
19	Amplifier	Agilent	8449B	3008A01838	/	2024.07.05
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2024.07.08
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2024.07.08

22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2024.07.08
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2024.10.30
26	Amplifier	AEROFLEX	Aeroflex	097	/	2024.07.05

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.

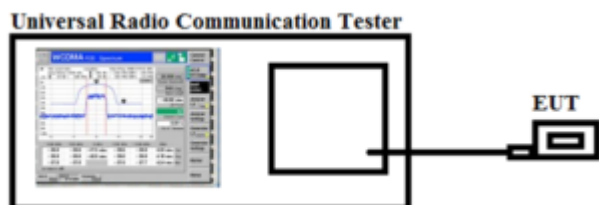
According to §27.50(h)(2), Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to §27.50(b)(10), Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

According to §27.50(a)(3), For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, *except that* for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

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 §22.913(d), Power measurement. Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

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(d), 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.

According to §27.50(a) (1), For base and fixed stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, 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.

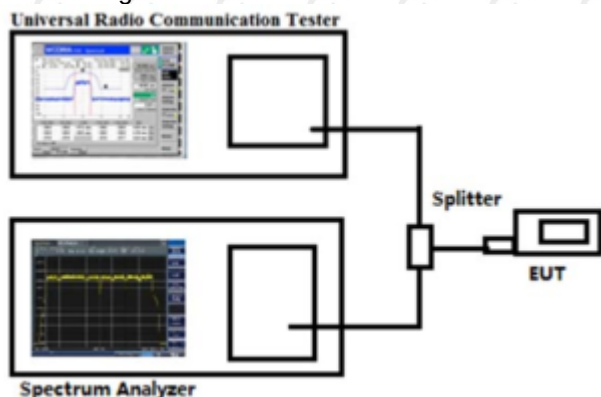
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

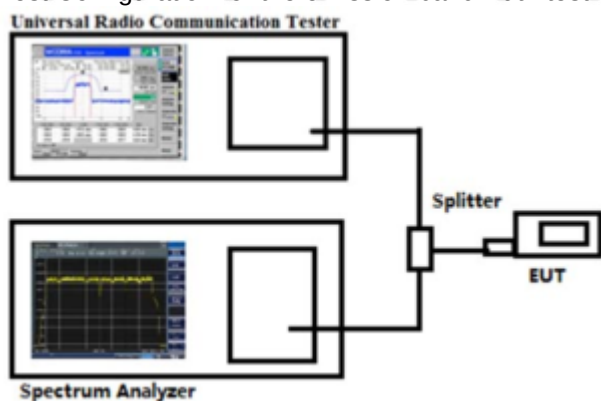
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

According to §27.53(a)(2), For base and fixed stations' operations in the 2305-2320 MHz band and the 2345-2360 MHz band:

(1) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, and not less than

75 + 10 log (P) dB on all frequencies between 2320 and 2345 MHz;

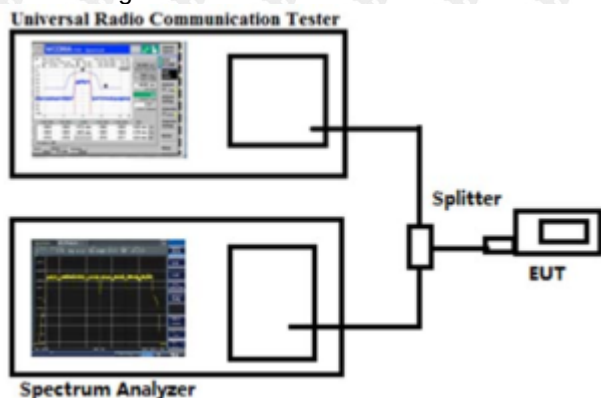
(2) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 70 + 10 log (P) dB on all frequencies between 2287.5 and 2300 MHz, 72 + 10 log (P) dB on all frequencies between 2285 and 2287.5 MHz, and 75 + 10 log (P) dB below 2285 MHz;

(3) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2362.5 MHz, 55 + 10 log (P) dB on all frequencies between 2362.5 and 2365 MHz, 70 + 10 log (P) dB on all frequencies between 2365 and 2367.5 MHz, 72 + 10 log (P) dB on all frequencies between 2367.5 and 2370 MHz, and 75 + 10 log (P) dB above 2370 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:

(6) 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;

(7) 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;

(8) 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;

(9) 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;

(10) 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.

According to §27.53(a)(2), For base and fixed stations' operations in the 2305-2320 MHz band and the 2345-2360 MHz band:

(1) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, and not less than $75 + 10 \log (P)$ dB on all frequencies between 2320 and 2345 MHz;

(2) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $70 + 10 \log (P)$ dB on all frequencies between 2287.5 and 2300 MHz, $72 + 10 \log (P)$ dB on all frequencies between 2285 and 2287.5 MHz, and $75 + 10 \log (P)$ dB below 2285 MHz;

(3) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2362.5 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2362.5 and 2365 MHz, $70 + 10 \log (P)$ dB on all frequencies between 2365 and 2367.5 MHz, $72 + 10 \log (P)$ dB on all frequencies between 2367.5 and 2370 MHz, and $75 + 10 \log (P)$ dB above 2370 MHz.

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 = $43 + 10 \log 10$ (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.
1270.98	142	243	-56.73	-13	-43.73	Pass	H
1733.70	144	255	-46.44	-13	-33.44	Pass	H
3866.83	149	41	-49.23	-13	-36.23	Pass	H
5861.87	150	249	-42.95	-13	-29.95	Pass	H
6547.36	159	178	-44.35	-13	-31.35	Pass	H
8075.57	140	259	-42.86	-13	-29.86	Pass	H
1304.23	147	351	-54.00	-13	-41.00	Pass	V
1530.17	160	156	-58.51	-13	-45.51	Pass	V
3525.99	150	273	-48.94	-13	-35.94	Pass	V
3906.32	151	299	-49.01	-13	-36.01	Pass	V
5855.15	151	36	-46.06	-13	-33.06	Pass	V
6632.79	155	253	-49.50	-13	-36.50	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.
1334.50	150	327	-57.33	-13	-44.33	Pass	H
1731.68	146	167	-54.78	-13	-41.78	Pass	H
3912.14	150	82	-50.17	-13	-37.17	Pass	H
5780.91	146	245	-42.95	-13	-29.95	Pass	H
6526.04	149	134	-46.97	-13	-33.97	Pass	H
7932.60	151	222	-50.13	-13	-37.13	Pass	H
1178.29	149	140	-53.51	-13	-40.51	Pass	V
1327.54	148	38	-61.81	-13	-48.81	Pass	V
3667.22	147	173	-51.95	-13	-38.95	Pass	V
3823.94	148	187	-51.54	-13	-38.54	Pass	V
5805.87	150	318	-49.83	-13	-36.83	Pass	V
6579.95	150	205	-47.66	-13	-34.66	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.
1359.10	150	248	-55.44	-13	-42.44	Pass	H
1683.90	151	227	-51.07	-13	-38.07	Pass	H
3801.42	152	134	-44.22	-13	-31.22	Pass	H
5924.91	150	282	-42.90	-13	-29.90	Pass	H
6615.05	146	31	-43.78	-13	-30.78	Pass	H
7903.56	153	290	-44.94	-13	-31.94	Pass	H
1306.30	146	338	-55.85	-13	-42.85	Pass	V
1471.37	148	136	-57.72	-13	-44.72	Pass	V
3444.63	147	178	-55.76	-13	-42.76	Pass	V
3996.65	145	38	-51.28	-13	-38.28	Pass	V
5740.32	150	34	-42.10	-13	-29.10	Pass	V
6602.43	152	347	-46.37	-13	-33.37	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.
1241.41	152	100	-56.32	-13	-43.32	Pass	H
1777.45	147	357	-48.93	-13	-35.93	Pass	H
3873.23	149	60	-48.48	-13	-35.48	Pass	H
5967.50	146	288	-47.81	-13	-34.81	Pass	H
6573.13	151	275	-45.92	-13	-32.92	Pass	H
7998.61	150	301	-43.07	-13	-30.07	Pass	H
1087.37	154	268	-51.11	-13	-38.11	Pass	V
1465.05	153	125	-58.52	-13	-45.52	Pass	V
3560.58	154	194	-53.00	-13	-40.00	Pass	V
3937.27	145	146	-50.67	-13	-37.67	Pass	V
5759.47	146	130	-46.38	-13	-33.38	Pass	V
6498.66	147	259	-47.99	-13	-34.99	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.
1290.18	149	285	-52.94	-13	-41.45	Pass	H
1638.42	148	259	-49.61	-13	-37.85	Pass	H
3786.35	146	250	-46.50	-13	-35.2	Pass	H
6014.28	149	100	-44.34	-13	-30.39	Pass	H
6419.19	153	56	-45.00	-13	-32.24	Pass	H
8005.83	154	241	-41.64	-13	-30.22	Pass	H
1249.97	153	34	-60.08	-13	-44.9	Pass	V
1300.21	149	336	-56.43	-13	-43.63	Pass	V
3552.77	154	305	-46.70	-13	-35.94	Pass	V
3773.57	153	139	-51.36	-13	-36.01	Pass	V
5770.35	151	318	-43.90	-13	-33.75	Pass	V
6464.18	148	54	-46.50	-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.
1295.11	152	209	-57.87	-13	-44.87	Pass	H
1619.36	147	287	-50.02	-13	-37.02	Pass	H
3927.39	152	23	-40.66	-13	-27.66	Pass	H
5938.88	148	324	-44.76	-13	-31.76	Pass	H
6438.01	154	90	-42.19	-13	-29.19	Pass	H
8128.64	153	350	-42.26	-13	-29.26	Pass	H
1213.83	151	248	-52.06	-13	-39.06	Pass	V
1507.79	152	121	-61.10	-13	-48.10	Pass	V
3541.09	154	222	-51.23	-13	-38.23	Pass	V
3761.66	150	156	-50.10	-13	-37.10	Pass	V
5803.62	148	305	-47.54	-13	-34.54	Pass	V
6609.54	153	174	-42.23	-13	-29.23	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.
1290.76	151	179	-57.52	-13	-44.52	Pass	H
1648.26	145	45	-45.84	-13	-32.84	Pass	H
3919.59	153	163	-47.78	-13	-34.78	Pass	H
5833.83	145	93	-44.97	-13	-31.97	Pass	H
6499.55	150	159	-45.43	-13	-32.43	Pass	H
7912.09	154	55	-40.95	-13	-27.95	Pass	H
1081.90	150	108	-56.70	-13	-43.70	Pass	V
1367.92	150	236	-54.80	-13	-41.80	Pass	V
3674.93	151	225	-50.27	-13	-37.27	Pass	V
3814.22	150	157	-53.71	-13	-40.71	Pass	V
5788.70	148	274	-45.88	-13	-32.88	Pass	V
6589.72	150	224	-50.31	-13	-37.31	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.
1307.70	151	17	-54.14	-13	-41.14	Pass	H
1687.79	149	252	-45.47	-13	-32.47	Pass	H
3935.66	149	24	-44.88	-13	-31.88	Pass	H
6013.22	148	118	-40.65	-13	-27.65	Pass	H
6417.67	147	10	-45.47	-13	-32.47	Pass	H
8117.12	147	280	-48.39	-13	-35.39	Pass	H
1245.49	153	329	-53.83	-13	-40.83	Pass	V
1432.76	151	34	-58.24	-13	-45.24	Pass	V
3556.07	150	66	-45.27	-13	-32.27	Pass	V
3784.87	149	104	-48.84	-13	-35.84	Pass	V
5914.99	150	331	-42.03	-13	-29.03	Pass	V
6531.71	154	138	-43.23	-13	-30.23	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.
1432.05	149	165	-55.34	-13	-42.34	Pass	H
1755.75	146	208	-45.03	-13	-32.03	Pass	H
3992.76	146	4	-41.71	-13	-28.71	Pass	H
5952.29	150	198	-44.07	-13	-31.07	Pass	H
6474.83	146	341	-44.57	-13	-31.57	Pass	H
8067.17	150	235	-44.67	-13	-31.67	Pass	H
1167.08	146	292	-52.33	-13	-39.33	Pass	V
1395.87	150	158	-56.92	-13	-43.92	Pass	V
3594.99	149	55	-52.51	-13	-39.51	Pass	V
3924.98	150	319	-45.49	-13	-32.49	Pass	V
5790.47	146	118	-49.50	-13	-36.50	Pass	V
6476.74	150	155	-45.96	-13	-32.96	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.
1287.67	150	78	-55.94	-13	-42.94	Pass	H
1651.09	149	291	-50.08	-13	-37.08	Pass	H
3803.40	151	213	-51.14	-13	-38.14	Pass	H
5807.39	150	89	-47.72	-13	-34.72	Pass	H
6425.21	151	329	-44.93	-13	-31.93	Pass	H
8004.65	148	138	-50.03	-13	-37.03	Pass	H
1261.35	149	99	-53.67	-13	-40.67	Pass	V
1505.97	148	217	-55.25	-13	-42.25	Pass	V
3515.30	150	12	-48.80	-13	-35.80	Pass	V
3802.48	150	137	-48.35	-13	-35.35	Pass	V
5830.58	146	356	-45.69	-13	-32.69	Pass	V
6571.50	146	95	-47.21	-13	-34.21	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.
1259.67	150	142	-59.88	-13	-46.88	Pass	H
1778.65	146	280	-52.32	-13	-39.32	Pass	H
3810.63	150	330	-51.41	-13	-38.41	Pass	H
5769.92	146	194	-47.05	-13	-34.05	Pass	H
6502.40	149	260	-51.09	-13	-38.09	Pass	H
8000.51	151	31	-43.31	-13	-30.31	Pass	H
1289.33	149	4	-53.44	-13	-40.44	Pass	V
1383.01	148	257	-63.23	-13	-50.23	Pass	V
3521.06	147	55	-48.79	-13	-35.79	Pass	V
3815.11	148	273	-54.58	-13	-41.58	Pass	V
5765.31	150	136	-48.10	-13	-35.10	Pass	V
6443.51	150	16	-51.32	-13	-38.32	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.
1253.68	149	156	-58.38	-13	-45.38	Pass	H
1570.50	149	170	-52.00	-13	-39.00	Pass	H
3792.35	149	127	-43.23	-13	-30.23	Pass	H
5864.57	146	42	-45.64	-13	-32.64	Pass	H
6462.25	147	69	-44.64	-13	-31.64	Pass	H
7956.82	151	110	-47.28	-13	-34.28	Pass	H
1206.10	148	61	-53.97	-13	-40.97	Pass	V
1306.37	147	266	-53.69	-13	-40.69	Pass	V
3480.38	148	303	-50.80	-13	-37.80	Pass	V
3809.92	149	195	-49.01	-13	-36.01	Pass	V
5714.67	147	323	-47.88	-13	-34.88	Pass	V
6553.23	146	325	-48.93	-13	-35.93	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.
1418.37	156	345	-57.25	-13	-44.25	Pass	H
1607.80	159	216	-46.54	-13	-33.54	Pass	H
3850.50	156	279	-45.52	-13	-32.52	Pass	H
5983.60	153	162	-43.77	-13	-30.77	Pass	H
6411.07	148	150	-43.64	-13	-30.64	Pass	H
8160.08	142	248	-41.08	-13	-28.08	Pass	H
1246.05	153	204	-55.81	-13	-42.81	Pass	V
1481.25	147	220	-56.42	-13	-43.42	Pass	V
3595.76	144	197	-51.16	-13	-38.16	Pass	V
3927.83	150	115	-50.19	-13	-37.19	Pass	V
5773.18	152	312	-47.08	-13	-34.08	Pass	V
6593.03	143	157	-46.68	-13	-33.68	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.
1303.17	150	111	-56.99	-13	-43.99	Pass	H
1632.48	146	69	-52.66	-13	-39.66	Pass	H
3787.54	150	345	-50.61	-13	-37.61	Pass	H
5934.59	146	315	-44.46	-13	-31.46	Pass	H
6377.75	149	12	-51.13	-13	-38.13	Pass	H
8033.51	151	347	-46.97	-13	-33.97	Pass	H
1280.25	149	289	-50.89	-13	-37.89	Pass	V
1343.82	148	152	-60.39	-13	-47.39	Pass	V
3536.32	147	356	-54.18	-13	-41.18	Pass	V
3940.39	148	62	-51.80	-13	-38.80	Pass	V
5835.85	150	188	-46.19	-13	-33.19	Pass	V
6602.01	150	360	-47.27	-13	-34.27	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.
1278.41	151	137	-57.70	-13	-44.70	Pass	H
1700.51	152	144	-54.80	-13	-41.80	Pass	H
3926.92	149	59	-46.85	-13	-33.85	Pass	H
5810.19	153	59	-43.14	-13	-30.14	Pass	H
6620.99	151	123	-41.24	-13	-28.24	Pass	H
7953.18	145	20	-43.56	-13	-30.56	Pass	H
1319.57	151	70	-56.27	-13	-43.27	Pass	V
1412.12	150	21	-55.85	-13	-42.85	Pass	V
3591.29	147	22	-52.89	-13	-39.89	Pass	V
3933.75	151	180	-49.06	-13	-36.06	Pass	V
5832.55	147	252	-43.83	-13	-30.83	Pass	V
6576.63	151	316	-47.54	-13	-34.54	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.
1416.52	147	141	-56.02	-13	-43.02	Pass	H
1757.24	154	315	-46.96	-13	-33.96	Pass	H
3951.57	149	55	-47.15	-13	-34.15	Pass	H
5894.43	153	351	-45.08	-13	-32.08	Pass	H
6465.18	151	50	-43.96	-13	-30.96	Pass	H
7955.45	151	152	-44.28	-13	-31.28	Pass	H
1170.86	151	31	-49.78	-13	-36.78	Pass	V
1476.87	153	359	-57.06	-13	-44.06	Pass	V
3523.28	155	313	-51.42	-13	-38.42	Pass	V
3975.65	152	103	-52.70	-13	-39.70	Pass	V
5783.76	146	118	-43.43	-13	-30.43	Pass	V
6551.51	154	44	-50.52	-13	-37.52	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.
1377.14	146	328	-53.74	-13	-41.45	Pass	H
1820.13	155	236	-48.52	-13	-37.85	Pass	H
3771.34	150	115	-49.36	-13	-35.2	Pass	H
5900.40	153	0	-46.05	-13	-30.39	Pass	H
6578.96	148	206	-47.93	-13	-32.24	Pass	H
8079.42	151	75	-43.12	-13	-30.22	Pass	H
1092.25	152	310	-55.12	-13	-44.9	Pass	V
1382.52	147	134	-57.80	-13	-43.63	Pass	V
3508.12	148	109	-50.49	-13	-35.94	Pass	V
3782.25	152	103	-45.32	-13	-36.01	Pass	V
5853.40	151	166	-44.42	-13	-33.75	Pass	V
6606.67	153	216	-45.79	-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.
1354.71	153	199	-57.88	-13	-44.88	Pass	H
1699.28	148	274	-47.46	-13	-34.46	Pass	H
3884.38	150	61	-46.30	-13	-33.30	Pass	H
5941.14	155	167	-43.11	-13	-30.11	Pass	H
6592.32	154	309	-43.06	-13	-30.06	Pass	H
8061.29	152	249	-46.49	-13	-33.49	Pass	H
1166.55	153	271	-55.29	-13	-42.29	Pass	V
1390.87	154	316	-56.35	-13	-43.35	Pass	V
3541.54	147	158	-52.85	-13	-39.85	Pass	V
3829.62	149	266	-49.26	-13	-36.26	Pass	V
5718.06	148	147	-48.44	-13	-35.44	Pass	V
6638.78	148	296	-47.83	-13	-34.83	Pass	V

Note:

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

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

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Band 7 20775 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1406.10	153	273	-57.80	-13	-44.80	Pass	H
1723.49	153	211	-48.83	-13	-35.83	Pass	H
3799.79	152	33	-49.04	-13	-36.04	Pass	H
5967.12	151	221	-47.59	-13	-34.59	Pass	H
6625.28	150	24	-44.05	-13	-31.05	Pass	H
8039.64	154	106	-42.91	-13	-29.91	Pass	H
1160.28	149	54	-54.92	-13	-41.92	Pass	V
1438.83	154	333	-52.91	-13	-39.91	Pass	V
3630.09	145	77	-52.58	-13	-39.58	Pass	V
3970.18	146	238	-54.11	-13	-41.11	Pass	V
5761.99	150	96	-44.79	-13	-31.79	Pass	V
6656.10	150	144	-48.93	-13	-35.93	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.
1325.13	155	180	-52.07	-13	-39.07	Pass	H
1658.23	145	172	-48.11	-13	-35.11	Pass	H
3789.06	149	248	-47.80	-13	-34.80	Pass	H
5989.29	154	61	-41.74	-13	-28.74	Pass	H
6539.77	152	115	-42.78	-13	-29.78	Pass	H
7989.22	148	105	-42.74	-13	-29.74	Pass	H
1118.38	146	68	-53.73	-13	-40.73	Pass	V
1337.13	153	237	-59.13	-13	-46.13	Pass	V
3453.46	149	78	-47.41	-13	-34.41	Pass	V
3805.96	154	94	-49.23	-13	-36.23	Pass	V
5727.46	147	135	-43.01	-13	-30.01	Pass	V
6576.18	153	164	-44.78	-13	-31.78	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.
1414.19	149	165	-51.04	-13	-38.04	Pass	H
1645.04	146	208	-48.88	-13	-35.88	Pass	H
3806.68	146	4	-45.99	-13	-32.99	Pass	H
5871.53	150	198	-42.73	-13	-29.73	Pass	H
6530.20	146	341	-46.73	-13	-33.73	Pass	H
8058.62	150	235	-44.41	-13	-31.41	Pass	H
1191.43	146	292	-52.80	-13	-39.80	Pass	V
1520.17	150	158	-53.91	-13	-40.91	Pass	V
3576.13	149	55	-50.60	-13	-37.60	Pass	V
3770.98	150	319	-48.77	-13	-35.77	Pass	V
5799.79	146	118	-48.06	-13	-35.06	Pass	V
6549.89	150	155	-50.38	-13	-37.38	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.
1418.34	150	78	-54.01	-13	-41.01	Pass	H
1709.20	149	291	-53.53	-13	-40.53	Pass	H
3940.53	151	213	-47.85	-13	-34.85	Pass	H
5917.69	150	89	-43.36	-13	-30.36	Pass	H
6455.39	151	329	-47.97	-13	-34.97	Pass	H
8077.32	148	138	-45.79	-13	-32.79	Pass	H
1282.54	149	99	-55.71	-13	-42.71	Pass	V
1408.40	148	217	-56.57	-13	-43.57	Pass	V
3506.37	150	12	-53.13	-13	-40.13	Pass	V
3768.16	150	137	-50.70	-13	-37.70	Pass	V
5743.49	146	356	-44.20	-13	-31.20	Pass	V
6512.97	146	95	-48.57	-13	-35.57	Pass	V

Band 7 21100 channel/BW 5 (middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1266.57	150	142	-54.84	-13	-41.84	Pass	H
1749.41	146	280	-52.75	-13	-39.75	Pass	H
3845.55	150	330	-48.53	-13	-35.53	Pass	H
5809.99	146	194	-42.94	-13	-29.94	Pass	H
6502.78	149	260	-47.83	-13	-34.83	Pass	H
8101.35	151	31	-47.93	-13	-34.93	Pass	H
1181.68	149	4	-57.21	-13	-44.21	Pass	V
1378.90	148	257	-65.93	-13	-52.93	Pass	V
3567.17	147	55	-48.74	-13	-35.74	Pass	V
3990.38	148	273	-50.10	-13	-37.10	Pass	V
5770.16	150	136	-54.16	-13	-41.16	Pass	V
6549.08	150	16	-46.08	-13	-33.08	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.
1238.09	149	156	-59.14	-13	-46.14	Pass	H
1656.36	149	170	-53.95	-13	-40.95	Pass	H
3785.35	149	127	-44.12	-13	-31.12	Pass	H
5829.60	146	42	-42.83	-13	-29.83	Pass	H
6463.07	147	69	-41.67	-13	-28.67	Pass	H
7949.48	151	110	-48.60	-13	-35.60	Pass	H
1215.80	148	61	-53.86	-13	-40.86	Pass	V
1353.80	147	266	-52.91	-13	-39.91	Pass	V
3460.99	148	303	-54.00	-13	-41.00	Pass	V
3834.30	149	195	-48.45	-13	-35.45	Pass	V
5752.18	147	323	-46.61	-13	-33.61	Pass	V
6518.91	146	325	-46.99	-13	-33.99	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.

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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.
1283.89	152	7	-52.89	-13	-39.89	Pass	H
1809.69	149	203	-49.73	-13	-36.73	Pass	H
3896.90	151	31	-45.27	-13	-32.27	Pass	H
5907.33	146	62	-42.85	-13	-29.85	Pass	H
6551.15	150	40	-45.11	-13	-32.11	Pass	H
8037.23	150	49	-47.68	-13	-34.68	Pass	H
1239.27	150	125	-60.44	-13	-47.44	Pass	V
1401.17	146	7	-58.75	-13	-45.75	Pass	V
3574.94	153	8	-51.04	-13	-38.04	Pass	V
3759.59	151	68	-49.19	-13	-36.19	Pass	V
5761.44	154	323	-44.09	-13	-31.09	Pass	V
6541.76	149	264	-41.91	-13	-28.91	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.
1333.54	154	149	-56.28	-13	-43.28	Pass	H
1648.76	153	165	-45.00	-13	-32.00	Pass	H
3927.44	148	190	-44.86	-13	-31.86	Pass	H
5940.99	147	249	-38.44	-13	-25.44	Pass	H
6526.87	153	235	-44.16	-13	-31.16	Pass	H
8122.92	147	24	-43.91	-13	-30.91	Pass	H
1215.58	154	18	-59.14	-13	-46.14	Pass	V
1388.43	151	240	-61.04	-13	-48.04	Pass	V
3523.79	146	49	-50.76	-13	-37.76	Pass	V
3891.27	148	49	-45.62	-13	-32.62	Pass	V
5876.38	154	219	-46.43	-13	-33.43	Pass	V
6599.32	155	316	-43.38	-13	-30.38	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.
1272.25	150	92	-55.67	-13	-42.67	Pass	H
1706.41	146	98	-54.25	-13	-41.25	Pass	H
3881.75	150	276	-49.48	-13	-36.48	Pass	H
5778.98	146	347	-47.90	-13	-34.90	Pass	H
6367.52	149	237	-46.65	-13	-33.65	Pass	H
7950.29	151	262	-46.78	-13	-33.78	Pass	H
1252.95	149	234	-56.67	-13	-43.67	Pass	V
1434.31	148	53	-58.27	-13	-45.27	Pass	V
3676.39	147	91	-54.41	-13	-41.41	Pass	V
3876.32	148	217	-52.18	-13	-39.18	Pass	V
5844.35	150	326	-49.03	-13	-36.03	Pass	V
6544.68	150	146	-48.03	-13	-35.03	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.
1387.70	150	36	-56.77	-13	-43.77	Pass	H
1712.17	146	144	-49.69	-13	-36.69	Pass	H
3907.83	150	134	-51.96	-13	-38.96	Pass	H
5910.45	146	142	-48.23	-13	-35.23	Pass	H
6517.99	149	344	-47.70	-13	-34.70	Pass	H
7991.78	151	230	-46.51	-13	-33.51	Pass	H
1191.88	149	141	-53.75	-13	-40.75	Pass	V
1402.52	148	158	-57.05	-13	-44.05	Pass	V
3681.69	147	231	-52.70	-13	-39.70	Pass	V
3943.91	148	61	-51.59	-13	-38.59	Pass	V
5750.24	150	324	-51.40	-13	-38.40	Pass	V
6427.87	150	29	-45.82	-13	-32.82	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.
1396.45	155	102	-53.76	-13	-40.76	Pass	H
1710.58	154	163	-54.44	-13	-41.44	Pass	H
3866.01	154	334	-45.45	-13	-32.45	Pass	H
5891.24	154	332	-43.93	-13	-30.93	Pass	H
6501.69	153	27	-39.98	-13	-26.98	Pass	H
7916.69	151	191	-45.44	-13	-32.44	Pass	H
1192.43	149	11	-55.87	-13	-42.87	Pass	V
1423.99	153	206	-59.01	-13	-46.01	Pass	V
3489.00	147	73	-50.70	-13	-37.70	Pass	V
3839.70	146	247	-46.80	-13	-33.80	Pass	V
5870.92	154	283	-43.07	-13	-30.07	Pass	V
6615.42	154	338	-46.48	-13	-33.48	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.
1297.04	155	303	-59.97	-13	-46.97	Pass	H
1719.23	149	46	-46.10	-13	-33.10	Pass	H
3771.74	147	233	-45.94	-13	-32.94	Pass	H
5822.29	146	19	-44.54	-13	-31.54	Pass	H
6651.93	145	296	-45.17	-13	-32.17	Pass	H
7972.26	152	169	-44.82	-13	-31.82	Pass	H
1214.69	147	285	-50.00	-13	-37.00	Pass	V
1492.33	150	324	-54.45	-13	-41.45	Pass	V
3693.10	149	316	-51.75	-13	-38.75	Pass	V
3969.69	152	190	-51.20	-13	-38.20	Pass	V
5796.24	154	75	-46.94	-13	-33.94	Pass	V
6526.16	148	329	-50.06	-13	-37.06	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.

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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.
1246.72	145	173	-55.20	-25	-30.20	Pass	H
1649.82	143	345	-48.46	-25	-23.46	Pass	H
3966.90	148	181	-49.22	-25	-24.22	Pass	H
5850.57	156	269	-44.02	-25	-19.02	Pass	H
6557.79	145	184	-41.75	-25	-16.75	Pass	H
8153.35	160	157	-42.59	-25	-17.59	Pass	H
1105.35	150	260	-56.13	-25	-31.13	Pass	V
1535.65	154	168	-58.64	-25	-33.64	Pass	V
3451.87	156	261	-48.00	-25	-23.00	Pass	V
3824.24	153	360	-50.75	-25	-25.75	Pass	V
5898.68	143	248	-47.54	-25	-22.54	Pass	V
6504.54	149	48	-46.02	-25	-21.02	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.
1367.25	149	150	-58.75	-25	-33.75	Pass	H
1699.48	157	273	-49.70	-25	-24.70	Pass	H
3993.27	150	304	-47.30	-25	-22.30	Pass	H
5895.54	157	151	-46.75	-25	-21.75	Pass	H
6536.11	149	284	-42.24	-25	-17.24	Pass	H
7993.56	149	318	-43.40	-25	-18.40	Pass	H
1125.73	152	147	-52.54	-25	-27.54	Pass	V
1527.34	149	159	-58.27	-25	-33.27	Pass	V
3542.10	150	338	-50.41	-25	-25.41	Pass	V
3754.35	147	244	-52.45	-25	-27.45	Pass	V
5831.37	142	169	-50.75	-25	-25.75	Pass	V
6605.68	152	90	-49.20	-25	-24.20	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.
1249.30	159	291	-57.90	-25	-32.90	Pass	H
1735.91	154	354	-49.18	-25	-24.18	Pass	H
3828.63	142	154	-46.69	-25	-21.69	Pass	H
5982.00	156	334	-42.39	-25	-17.39	Pass	H
6542.94	145	27	-42.22	-25	-17.22	Pass	H
8076.16	157	122	-41.47	-25	-16.47	Pass	H
1258.60	156	338	-57.01	-25	-32.01	Pass	V
1478.25	151	29	-59.95	-25	-34.95	Pass	V
3551.18	144	332	-52.28	-25	-27.28	Pass	V
3888.10	147	219	-48.88	-25	-23.88	Pass	V
5845.54	150	235	-46.40	-25	-21.40	Pass	V
6493.66	140	260	-49.08	-25	-24.08	Pass	V

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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.
1277.73	154	132	-58.48	-25	-33.48	Pass	H
1631.06	147	311	-48.37	-25	-23.37	Pass	H
3852.60	156	151	-45.32	-25	-20.32	Pass	H
5871.77	148	32	-46.36	-25	-21.36	Pass	H
6483.94	152	73	-44.57	-25	-19.57	Pass	H
8107.33	149	360	-44.09	-25	-19.09	Pass	H
1132.81	140	349	-52.38	-25	-27.38	Pass	V
1370.36	145	346	-55.46	-25	-30.46	Pass	V
3518.22	159	64	-49.27	-25	-24.27	Pass	V
3773.47	140	357	-50.06	-25	-25.06	Pass	V
5743.21	150	206	-49.56	-25	-24.56	Pass	V
6540.85	155	122	-46.52	-25	-21.52	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.
1280.43	154	339	-55.34	-25	-30.34	Pass	H
1699.51	156	351	-50.37	-25	-25.37	Pass	H
3813.36	155	51	-46.34	-25	-21.34	Pass	H
5807.62	152	123	-45.74	-25	-20.74	Pass	H
6512.67	154	14	-42.87	-25	-17.87	Pass	H
8031.98	147	75	-42.74	-25	-17.74	Pass	H
1229.04	153	238	-53.40	-25	-28.40	Pass	V
1482.32	150	360	-59.44	-25	-34.44	Pass	V
3587.10	155	262	-52.13	-25	-27.13	Pass	V
3786.44	152	88	-49.35	-25	-24.35	Pass	V
5783.16	141	59	-48.40	-25	-23.40	Pass	V
6643.29	158	275	-46.26	-25	-21.26	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.
1399.95	150	66	-55.47	-25	-30.47	Pass	H
1767.13	155	1	-46.72	-25	-21.72	Pass	H
3845.36	158	245	-46.34	-25	-21.34	Pass	H
5911.46	148	167	-43.33	-25	-18.33	Pass	H
6454.93	155	138	-41.40	-25	-16.40	Pass	H
8088.77	157	341	-41.22	-25	-16.22	Pass	H
1140.97	145	305	-55.06	-25	-30.06	Pass	V
1510.09	151	234	-57.05	-25	-32.05	Pass	V
3553.75	154	259	-48.60	-25	-23.60	Pass	V
3822.92	146	33	-52.60	-25	-27.60	Pass	V
5857.32	154	244	-50.74	-25	-25.74	Pass	V
6598.50	155	271	-45.52	-25	-20.52	Pass	V

Note:

11) 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.

12) 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 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.
1283.78	146	351	-58.70	-13	-45.70	Pass	H
1685.50	143	17	-47.62	-13	-34.62	Pass	H
3915.01	142	283	-47.22	-13	-34.22	Pass	H
5952.63	153	87	-46.75	-13	-33.75	Pass	H
6574.91	155	63	-44.54	-13	-31.54	Pass	H
8153.19	158	285	-40.50	-13	-27.50	Pass	H
1194.54	142	4	-56.45	-13	-43.45	Pass	V
1546.80	148	2	-56.06	-13	-43.06	Pass	V
3636.84	149	2	-48.26	-13	-35.26	Pass	V
3860.58	152	352	-51.86	-13	-38.86	Pass	V
5743.71	156	95	-47.16	-13	-34.16	Pass	V
6533.23	157	121	-46.34	-13	-33.34	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.
1355.16	150	346	-56.72	-13	-43.72	Pass	H
1754.90	146	101	-51.74	-13	-38.74	Pass	H
3862.34	150	50	-50.82	-13	-37.82	Pass	H
5838.15	146	170	-44.12	-13	-31.12	Pass	H
6527.13	149	252	-51.88	-13	-38.88	Pass	H
8057.11	151	19	-49.78	-13	-36.78	Pass	H
1187.68	149	64	-53.49	-13	-40.49	Pass	V
1335.28	148	250	-60.33	-13	-47.33	Pass	V
3655.23	147	137	-53.64	-13	-40.64	Pass	V
3895.68	148	257	-48.88	-13	-35.88	Pass	V
5915.22	150	260	-47.99	-13	-34.99	Pass	V
6446.64	150	348	-46.48	-13	-33.48	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.
1328.79	147	256	-58.16	-13	-45.16	Pass	H
1666.18	151	296	-51.93	-13	-38.93	Pass	H
3771.35	147	264	-44.88	-13	-31.88	Pass	H
5928.49	150	349	-42.59	-13	-29.59	Pass	H
6615.20	149	125	-43.63	-13	-30.63	Pass	H
7984.96	150	286	-41.93	-13	-28.93	Pass	H
1267.15	155	298	-56.12	-13	-43.12	Pass	V
1471.34	153	218	-54.87	-13	-41.87	Pass	V
3440.17	146	325	-53.14	-13	-40.14	Pass	V
4009.50	152	12	-46.92	-13	-33.92	Pass	V
5730.66	153	339	-42.75	-13	-29.75	Pass	V
6667.27	145	355	-50.35	-13	-37.35	Pass	V

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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.
1378.52	148	296	-60.03	-13	-47.03	Pass	H
1721.43	151	38	-49.77	-13	-36.77	Pass	H
3874.09	148	69	-50.08	-13	-37.08	Pass	H
5837.05	145	246	-47.53	-13	-34.53	Pass	H
6575.41	151	334	-45.95	-13	-32.95	Pass	H
8095.98	153	320	-40.13	-13	-27.13	Pass	H
1266.27	148	276	-52.13	-13	-39.13	Pass	V
1354.68	150	308	-55.41	-13	-42.41	Pass	V
3564.70	147	104	-53.11	-13	-40.11	Pass	V
3862.61	146	43	-52.34	-13	-39.34	Pass	V
5869.17	149	333	-43.43	-13	-30.43	Pass	V
6486.69	145	93	-51.88	-13	-38.88	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.
1319.17	154	196	-51.55	-25	-41.45	Pass	H
1784.39	153	254	-51.43	-25	-37.85	Pass	H
3821.29	151	331	-48.26	-25	-35.2	Pass	H
5879.20	146	130	-40.21	-25	-30.39	Pass	H
6583.59	152	190	-43.80	-25	-32.24	Pass	H
8061.65	145	77	-43.14	-25	-30.22	Pass	H
1283.16	146	224	-58.12	-25	-44.9	Pass	V
1284.59	152	79	-56.35	-25	-43.63	Pass	V
3574.43	147	292	-51.43	-25	-35.94	Pass	V
3880.16	152	101	-47.25	-25	-36.01	Pass	V
5800.03	153	173	-49.37	-25	-33.75	Pass	V
6590.55	147	192	-48.39	-25	-32.41	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.
1298.02	150	31	-58.79	-13	-45.79	Pass	H
1708.59	154	52	-48.39	-13	-35.39	Pass	H
3810.24	148	261	-45.85	-13	-32.85	Pass	H
5939.97	146	355	-45.06	-13	-32.06	Pass	H
6463.79	151	190	-40.39	-13	-27.39	Pass	H
8076.53	150	136	-44.78	-13	-31.78	Pass	H
1188.95	150	207	-53.78	-13	-40.78	Pass	V
1527.19	148	119	-58.09	-13	-45.09	Pass	V
3562.20	147	8	-46.41	-13	-33.41	Pass	V
3863.38	155	128	-51.43	-13	-38.43	Pass	V
5892.68	148	23	-49.51	-13	-36.51	Pass	V
6487.12	147	213	-46.95	-13	-33.95	Pass	V

Note:

13) 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.

14) 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 18 23965 channel/BW5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1339.28	153	69	-59.47	-13	-46.47	Pass	H
1628.21	142	293	-46.96	-13	-33.96	Pass	H
3923.36	157	328	-46.46	-13	-33.46	Pass	H
5964.32	147	170	-42.20	-13	-29.20	Pass	H
6540.36	149	214	-42.82	-13	-29.82	Pass	H
8143.80	154	117	-42.57	-13	-29.57	Pass	H
1258.11	151	322	-55.72	-13	-42.72	Pass	V
1556.72	153	298	-56.67	-13	-43.67	Pass	V
3606.00	150	103	-50.58	-13	-37.58	Pass	V
3836.69	149	19	-49.37	-13	-36.37	Pass	V
5832.55	159	74	-47.25	-13	-34.25	Pass	V
6628.43	158	124	-48.36	-13	-35.36	Pass	V
Band 18 23970 channel/BW5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1380.59	150	191	-53.43	-13	-40.43	Pass	H
1623.20	146	13	-49.81	-13	-36.81	Pass	H
3870.87	150	291	-48.72	-13	-35.72	Pass	H
5881.18	146	187	-44.89	-13	-31.89	Pass	H
6453.82	149	15	-47.65	-13	-34.65	Pass	H
8034.86	151	209	-46.82	-13	-33.82	Pass	H
1276.25	149	218	-55.50	-13	-42.50	Pass	V
1376.73	148	1	-57.00	-13	-44.00	Pass	V
3613.83	147	262	-50.90	-13	-37.90	Pass	V
3818.16	148	201	-52.02	-13	-39.02	Pass	V
5732.52	150	11	-47.02	-13	-34.02	Pass	V
6522.76	150	11	-48.34	-13	-35.34	Pass	V

Band 18 23975 channel/BW5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1412.01	152	221	-58.47	-13	-45.47	Pass	H
1624.65	149	80	-51.96	-13	-38.96	Pass	H
3927.09	150	334	-47.68	-13	-34.68	Pass	H
5900.08	145	110	-40.19	-13	-27.19	Pass	H
6601.16	151	59	-45.28	-13	-32.28	Pass	H
8052.27	153	337	-42.27	-13	-29.27	Pass	H
1321.27	151	139	-55.69	-13	-42.69	Pass	V
1372.73	155	344	-54.47	-13	-41.47	Pass	V
3500.54	147	23	-50.65	-13	-37.65	Pass	V
3879.49	155	50	-46.07	-13	-33.07	Pass	V
5781.71	146	198	-40.47	-13	-27.47	Pass	V
6639.57	149	346	-47.40	-13	-34.40	Pass	V

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Band 18 23965 channel/BW5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1258.47	153	338	-58.89	-13	-45.89	Pass	H
1732.48	155	113	-44.61	-13	-31.61	Pass	H
3899.11	149	187	-47.62	-13	-34.62	Pass	H
5861.48	153	69	-47.56	-13	-34.56	Pass	H
6626.65	147	134	-42.40	-13	-29.40	Pass	H
7942.34	152	13	-41.99	-13	-28.99	Pass	H
1153.47	151	135	-49.58	-13	-36.58	Pass	V
1376.42	155	14	-56.27	-13	-43.27	Pass	V
3614.39	150	269	-48.67	-13	-35.67	Pass	V
3866.15	151	216	-48.83	-13	-35.83	Pass	V
5930.33	151	28	-44.37	-13	-31.37	Pass	V
6568.85	154	308	-47.86	-13	-34.86	Pass	V

Band 18 23970 channel/BW5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1245.37	151	273	-54.62	-13	-41.45	Pass	H
1770.22	152	173	-48.05	-13	-37.85	Pass	H
3890.98	155	188	-47.58	-13	-35.2	Pass	H
5944.73	146	89	-45.34	-13	-30.39	Pass	H
6577.27	148	319	-42.37	-13	-32.24	Pass	H
8097.13	146	177	-42.43	-13	-30.22	Pass	H
1208.97	148	44	-56.61	-13	-44.9	Pass	V
1480.16	150	151	-54.66	-13	-43.63	Pass	V
3491.48	155	146	-48.90	-13	-35.94	Pass	V
3857.71	152	256	-47.81	-13	-36.01	Pass	V
5821.39	152	79	-48.16	-13	-33.75	Pass	V
6422.57	151	1	-47.61	-13	-32.41	Pass	V
Band 18 23975 channel/BW5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1295.06	154	343	-59.06	-13	-46.06	Pass	H
1770.97	145	53	-48.88	-13	-35.88	Pass	H
3904.32	148	287	-46.99	-13	-33.99	Pass	H
5812.00	150	234	-39.54	-13	-26.54	Pass	H
6512.04	146	135	-40.43	-13	-27.43	Pass	H
8114.52	148	214	-42.65	-13	-29.65	Pass	H
1162.43	153	330	-55.35	-13	-42.35	Pass	V
1470.07	146	187	-55.65	-13	-42.65	Pass	V
3517.34	155	352	-50.47	-13	-37.47	Pass	V
3764.43	153	178	-51.57	-13	-38.57	Pass	V
5888.10	149	318	-47.73	-13	-34.73	Pass	V
6515.91	146	279	-48.15	-13	-35.15	Pass	V

Note:

15) 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.

16) 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 19 24025 channel/BW5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1318.44	154	100	-55.69	-13	-42.69	Pass	H
1611.72	152	262	-49.70	-13	-36.70	Pass	H
3900.29	151	317	-52.15	-13	-39.15	Pass	H
5996.61	151	151	-48.88	-13	-35.88	Pass	H
6524.97	151	51	-41.87	-13	-28.87	Pass	H
8004.60	152	4	-42.66	-13	-29.66	Pass	H
1144.27	148	40	-55.71	-13	-42.71	Pass	V
1476.11	152	153	-55.71	-13	-42.71	Pass	V
3677.30	148	343	-49.64	-13	-36.64	Pass	V
3824.07	153	183	-52.35	-13	-39.35	Pass	V
5864.96	154	291	-42.52	-13	-29.52	Pass	V
6613.63	151	13	-45.73	-13	-32.73	Pass	V
Band 19 24075 channel/BW5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1263.33	149	22	-56.79	-13	-43.79	Pass	H
1668.21	146	147	-47.84	-13	-34.84	Pass	H
3864.70	152	4	-44.88	-13	-31.88	Pass	H
5833.51	146	142	-41.71	-13	-28.71	Pass	H
6410.74	147	37	-46.44	-13	-33.44	Pass	H
8103.46	151	293	-41.82	-13	-28.82	Pass	H
1196.06	154	91	-58.12	-13	-45.12	Pass	V
1296.00	147	6	-60.07	-13	-47.07	Pass	V
3506.38	149	206	-49.64	-13	-36.64	Pass	V
3844.21	146	131	-44.83	-13	-31.83	Pass	V
5816.57	152	106	-42.82	-13	-29.82	Pass	V
6576.39	151	34	-47.61	-13	-34.61	Pass	V

Band 19 24125 channel/BW5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1375.92	149	165	-53.01	-13	-40.01	Pass	H
1709.40	146	208	-48.45	-13	-35.45	Pass	H
3845.28	146	4	-46.70	-13	-33.70	Pass	H
5977.74	150	198	-37.67	-13	-24.67	Pass	H
6610.36	146	341	-43.51	-13	-30.51	Pass	H
8019.15	150	235	-42.43	-13	-29.43	Pass	H
1252.73	146	292	-57.20	-13	-44.20	Pass	V
1545.97	150	158	-53.37	-13	-40.37	Pass	V
3543.88	149	55	-51.14	-13	-38.14	Pass	V
3904.24	150	319	-48.90	-13	-35.90	Pass	V
5777.49	146	118	-49.58	-13	-36.58	Pass	V
6551.40	150	155	-48.13	-13	-35.13	Pass	V

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Band 19 24025 channel/BW5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1369.41	150	78	-57.77	-13	-44.77	Pass	H
1735.96	149	291	-49.63	-13	-36.63	Pass	H
3953.46	151	213	-52.03	-13	-39.03	Pass	H
5762.32	150	89	-46.86	-13	-33.86	Pass	H
6455.45	151	329	-43.98	-13	-30.98	Pass	H
8093.37	148	138	-48.41	-13	-35.41	Pass	H
1165.21	149	99	-54.69	-13	-41.69	Pass	V
1520.47	148	217	-51.70	-13	-38.70	Pass	V
3601.89	150	12	-51.36	-13	-38.36	Pass	V
3876.97	150	137	-45.44	-13	-32.44	Pass	V
5880.64	146	356	-47.84	-13	-34.84	Pass	V
6484.28	146	95	-49.91	-13	-36.91	Pass	V

Band 19 24075 channel/BW5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1267.58	150	142	-55.66	-13	-42.66	Pass	H
1675.31	146	280	-55.74	-13	-42.74	Pass	H
3951.12	150	330	-50.24	-13	-37.24	Pass	H
5809.26	146	194	-43.39	-13	-30.39	Pass	H
6425.49	149	260	-48.74	-13	-35.74	Pass	H
7965.16	151	31	-48.98	-13	-35.98	Pass	H
1185.59	149	4	-55.36	-13	-42.36	Pass	V
1298.29	148	257	-65.27	-13	-52.27	Pass	V
3515.26	147	55	-51.55	-13	-38.55	Pass	V
3891.63	148	273	-53.93	-13	-40.93	Pass	V
5732.50	150	136	-54.15	-13	-41.15	Pass	V
6569.30	150	16	-51.06	-13	-38.06	Pass	V
Band 19 24125 channel/BW5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1271.51	149	156	-56.81	-13	-43.81	Pass	H
1617.34	149	170	-49.09	-13	-36.09	Pass	H
3814.97	149	127	-49.17	-13	-36.17	Pass	H
5825.73	146	42	-39.91	-13	-26.91	Pass	H
6499.99	147	69	-45.53	-13	-32.53	Pass	H
7987.38	151	110	-46.07	-13	-33.07	Pass	H
1207.58	148	61	-54.61	-13	-41.61	Pass	V
1361.25	147	266	-53.75	-13	-40.75	Pass	V
3458.94	148	303	-48.58	-13	-35.58	Pass	V
3808.54	149	195	-42.77	-13	-29.77	Pass	V
5753.26	147	323	-41.50	-13	-28.50	Pass	V
6481.59	146	325	-48.48	-13	-35.48	Pass	V

Note:

17) 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.

18) 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 26 26697 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1268.54	150	209	-58.76	-13	-45.76	Pass	H
1759.85	158	23	-48.03	-13	-35.03	Pass	H
3936.59	153	316	-48.79	-13	-35.79	Pass	H
5952.73	149	130	-44.06	-13	-31.06	Pass	H
6516.08	148	320	-41.45	-13	-28.45	Pass	H
8129.47	149	312	-43.73	-13	-30.73	Pass	H
1253.46	148	263	-55.70	-13	-42.70	Pass	V
1558.99	141	319	-56.21	-13	-43.21	Pass	V
3617.50	151	191	-48.36	-13	-35.36	Pass	V
3838.24	148	108	-50.41	-13	-37.41	Pass	V
5849.80	145	286	-49.50	-13	-36.50	Pass	V
6601.53	140	273	-45.96	-13	-32.96	Pass	V
Band 26 26865 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1315.99	150	124	-58.77	-13	-45.77	Pass	H
1766.33	146	66	-51.72	-13	-38.72	Pass	H
3931.51	150	223	-48.37	-13	-35.37	Pass	H
5932.72	146	153	-43.22	-13	-30.22	Pass	H
6360.63	149	297	-48.89	-13	-35.89	Pass	H
8071.93	151	276	-46.87	-13	-33.87	Pass	H
1325.00	149	139	-54.99	-13	-41.99	Pass	V
1422.97	148	342	-60.52	-13	-47.52	Pass	V
3585.53	147	274	-52.13	-13	-39.13	Pass	V
4001.25	148	299	-53.04	-13	-40.04	Pass	V
5824.48	150	320	-46.44	-13	-33.44	Pass	V
6571.37	150	311	-47.84	-13	-34.84	Pass	V

Band 26 27033 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1397.86	147	251	-54.41	-13	-41.41	Pass	H
1667.49	148	297	-51.64	-13	-38.64	Pass	H
3823.46	154	248	-44.03	-13	-31.03	Pass	H
5955.08	146	260	-38.25	-13	-25.25	Pass	H
6503.59	148	265	-45.25	-13	-32.25	Pass	H
8073.29	145	256	-47.70	-13	-34.70	Pass	H
1306.07	154	156	-59.16	-13	-46.16	Pass	V
1315.32	154	242	-56.90	-13	-43.90	Pass	V
3607.76	155	130	-54.89	-13	-41.89	Pass	V
3985.70	148	9	-49.69	-13	-36.69	Pass	V
5727.45	150	184	-45.58	-13	-32.58	Pass	V
6557.54	151	58	-47.17	-13	-34.17	Pass	V

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Band 26 26697 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1395.85	150	76	-57.93	-13	-44.93	Pass	H
1763.36	150	26	-46.12	-13	-33.12	Pass	H
3810.51	146	334	-48.70	-13	-35.70	Pass	H
5984.52	152	266	-46.04	-13	-33.04	Pass	H
6612.90	151	357	-46.86	-13	-33.86	Pass	H
8049.36	153	179	-41.13	-13	-28.13	Pass	H
1090.96	152	89	-54.00	-13	-41.00	Pass	V
1418.46	146	262	-56.80	-13	-43.80	Pass	V
3548.83	152	322	-49.23	-13	-36.23	Pass	V
3914.86	145	150	-51.03	-13	-38.03	Pass	V
5897.92	151	213	-46.70	-13	-33.70	Pass	V
6623.46	147	144	-51.77	-13	-38.77	Pass	V

Band 26 26865 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1420.19	155	90	-56.65	-13	-41.45	Pass	H
1808.65	148	100	-48.13	-13	-37.85	Pass	H
3912.33	149	42	-50.15	-13	-35.2	Pass	H
5880.00	151	70	-42.70	-13	-30.39	Pass	H
6414.36	149	144	-46.90	-13	-32.24	Pass	H
8016.67	147	298	-44.15	-13	-30.22	Pass	H
1102.11	152	127	-57.07	-13	-44.9	Pass	V
1338.37	146	218	-53.16	-13	-43.63	Pass	V
3510.71	152	169	-48.12	-13	-35.94	Pass	V
3947.52	155	178	-48.52	-13	-36.01	Pass	V
5739.39	147	212	-44.02	-13	-33.75	Pass	V
6587.74	153	248	-47.39	-13	-32.41	Pass	V
Band 26 27033 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1248.13	153	63	-55.38	-13	-42.38	Pass	H
1795.00	145	300	-48.32	-13	-35.32	Pass	H
3865.64	147	229	-42.23	-13	-29.23	Pass	H
5922.63	147	347	-39.63	-13	-26.63	Pass	H
6417.42	150	291	-38.63	-13	-25.63	Pass	H
8023.34	154	197	-43.72	-13	-30.72	Pass	H
1175.40	154	213	-57.62	-13	-44.62	Pass	V
1393.81	153	339	-57.87	-13	-44.87	Pass	V
3558.57	152	15	-48.90	-13	-35.90	Pass	V
3741.51	146	223	-51.35	-13	-38.35	Pass	V
5864.55	145	13	-46.57	-13	-33.57	Pass	V
6570.54	151	199	-47.84	-13	-34.84	Pass	V

Note:

19) 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.

20) 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 66 131979 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1285.97	149	346	-59.44	-13	-46.44	Pass	H
1666.11	158	32	-48.82	-13	-35.82	Pass	H
3862.46	152	11	-45.60	-13	-32.60	Pass	H
5941.10	157	143	-43.14	-13	-30.14	Pass	H
6582.06	146	1	-41.62	-13	-28.62	Pass	H
7994.57	160	351	-44.42	-13	-31.42	Pass	H
1295.09	141	52	-54.51	-13	-41.51	Pass	V
1479.83	143	97	-57.79	-13	-44.79	Pass	V
3585.09	143	109	-49.40	-13	-36.40	Pass	V
3778.09	149	7	-49.91	-13	-36.91	Pass	V
5796.98	153	80	-48.41	-13	-35.41	Pass	V
6520.64	145	254	-48.81	-13	-35.81	Pass	V
Band 66 132322 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1372.47	150	297	-58.21	-13	-45.21	Pass	H
1813.96	146	268	-52.98	-13	-39.98	Pass	H
3955.97	150	170	-50.41	-13	-37.41	Pass	H
5910.19	146	277	-47.68	-13	-34.68	Pass	H
6439.51	149	36	-48.95	-13	-35.95	Pass	H
8018.62	151	171	-50.07	-13	-37.07	Pass	H
1273.98	149	318	-56.69	-13	-43.69	Pass	V
1493.11	148	123	-60.71	-13	-47.71	Pass	V
3534.17	147	240	-54.60	-13	-41.60	Pass	V
3816.20	148	50	-53.64	-13	-40.64	Pass	V
5804.74	150	137	-46.37	-13	-33.37	Pass	V
6615.18	150	235	-47.96	-13	-34.96	Pass	V

Band 66 132665 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1361.70	149	153	-56.66	-13	-43.66	Pass	H
1756.16	147	92	-53.04	-13	-40.04	Pass	H
3763.38	152	174	-47.05	-13	-34.05	Pass	H
5935.81	154	207	-38.42	-13	-25.42	Pass	H
6460.41	148	82	-42.48	-13	-29.48	Pass	H
7905.12	149	162	-44.31	-13	-31.31	Pass	H
1342.56	155	49	-57.52	-13	-44.52	Pass	V
1390.31	151	239	-54.61	-13	-41.61	Pass	V
3592.17	149	61	-51.10	-13	-38.10	Pass	V
3818.52	147	110	-48.26	-13	-35.26	Pass	V
5878.40	150	214	-45.06	-13	-32.06	Pass	V
6604.74	148	13	-47.20	-13	-34.20	Pass	V

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Band 66 131979 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1272.93	150	74	-59.65	-13	-46.65	Pass	H
1649.41	149	148	-50.31	-13	-37.31	Pass	H
3916.06	148	324	-51.13	-13	-38.13	Pass	H
5839.53	151	321	-46.38	-13	-33.38	Pass	H
6580.18	153	300	-44.90	-13	-31.90	Pass	H
8023.63	149	185	-41.79	-13	-28.79	Pass	H
1094.33	154	33	-54.82	-13	-41.82	Pass	V
1489.52	150	163	-54.88	-13	-41.88	Pass	V
3598.58	149	19	-51.10	-13	-38.10	Pass	V
3944.36	153	236	-49.87	-13	-36.87	Pass	V
5873.41	149	273	-43.23	-13	-30.23	Pass	V
6534.73	153	271	-50.23	-13	-37.23	Pass	V

Band 66 132322 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1350.68	150	84	-57.20	-13	-41.45	Pass	H
1812.35	154	24	-53.04	-13	-37.85	Pass	H
3852.87	148	60	-51.03	-13	-35.2	Pass	H
5873.78	148	266	-45.37	-13	-30.39	Pass	H
6432.07	151	259	-48.23	-13	-32.24	Pass	H
7996.52	152	352	-39.95	-13	-30.22	Pass	H
1260.84	153	148	-56.15	-13	-44.9	Pass	V
1304.25	152	74	-57.98	-13	-43.63	Pass	V
3539.01	154	278	-46.48	-13	-35.94	Pass	V
3892.13	151	357	-48.13	-13	-36.01	Pass	V
5917.96	148	357	-45.61	-13	-33.75	Pass	V
6571.05	153	352	-44.12	-13	-32.41	Pass	V
Band 66 132665 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1348.49	149	326	-55.97	-13	-42.97	Pass	H
1630.36	149	36	-50.42	-13	-37.42	Pass	H
3855.64	147	121	-42.56	-13	-29.56	Pass	H
5816.52	150	323	-40.14	-13	-27.14	Pass	H
6455.91	146	58	-41.04	-13	-28.04	Pass	H
8009.77	153	64	-44.13	-13	-31.13	Pass	H
1267.69	146	334	-54.99	-13	-41.99	Pass	V
1453.66	148	309	-61.99	-13	-48.99	Pass	V
3469.11	150	42	-49.19	-13	-36.19	Pass	V
3791.38	148	209	-47.11	-13	-34.11	Pass	V
5880.44	150	35	-50.03	-13	-37.03	Pass	V
6615.24	153	280	-44.77	-13	-31.77	Pass	V

Note:

21) 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.

22) 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=DC3.85V; Low Voltage LV=DC3.465; High Voltage HV=DC4.235V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

13. EUT PHOTOGRAPHS

EUT Photo 1



EUT Photo 2



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