TEST REPORT

Product Name:	Car Multi-media Player
FCC ID:	2A5C5-ZYC-9403
Trademark:	N/A
Model Number:	ZYC-9403, ZYC-9220, ZYC-9389, ZYC-7334, ZYC-7332, ZYC-7337, ZYC-9171, ZYC-9170, ZYC-8130, ZYC-9213, ZYC-9410, ZYC-7298B, ZYC-8131, ZYC-8174, ZYC-9188, ZYC-7115, ZYC-7365, ZYC-9266, ZYC-9405, ZYC-9402, TK-9011, TK-9040, ZYC-1207C, ZYC-9412, ZYC-9242, ZYC-1252, ZYC-7282, ZYC-7283, ZYC-7284, ZYC-6218, ZYC-7298, ZYC-8008, ZYC-7237, ZYC-7233, ZYC-8124, ZYC-7349, ZYC-7362, ZYC-7359, ZYC-7361, ZYC-7360, ZYC-6224, ZYC-6227, ZYC-7379
Prepared For:	Shenzhen zhongyuechuang Automotive Electronics Co., Ltd
Address:	801, Building 3, NO.74, 1:Industrial Zone, Lisonglang Community, Gongming, Guangming District, Shenzhen
Manufacturer:	Shenzhen zhongyuechuang Automotive Electronics Co., Ltd
Address:	801, Building 3, NO.74, 1:Industrial Zone, Lisonglang Community, Gongming, Guangming District, Shenzhen
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
Address:	1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	Aug. 08, 2025
Sample tested Date:	Aug. 08, 2025 to Sep. 02, 2025
Issue Date:	Sep. 02, 2025
Report No.:	CTB25080803501RF04
Test Standards	FCC Part 2, 22, 24E, 27
Test Results	PASS
Remark:	This is LTE radio test report.

Compiled by:	Reviewed by:	Approved by:
Zhou Kui	Arron Liu	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.

TABLE OF CONTENT

(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
CTB25080803501RF04	Sep. 02, 2025	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

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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℃
frequency	1×10-7

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model(s):	ZYC-9403, ZYC-9220, ZYC-9389, ZYC-7334, ZYC-7332, ZYC-7337, ZYC-9171, ZYC-9170, ZYC-8130, ZYC-9213, ZYC-9410, ZYC-7298B, ZYC-8131, ZYC-8174, ZYC-9188, ZYC-7115, ZYC-7365, ZYC-9266, ZYC-9405, ZYC-9402, TK-9011, TK-9040, ZYC-1207C, ZYC-9412, ZYC-9242, ZYC-1252, ZYC-7282, ZYC-7283, ZYC-7284, ZYC-6218, ZYC-7298, ZYC-8008, ZYC-7237, ZYC-7233, ZYC-8124, ZYC-7349, ZYC-7362, ZYC-7359, ZYC-7361, ZYC-7360, ZYC-6224, ZYC-6227, ZYC-7379
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: ZYC-9403
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 17: 704-716MHz TDD-LTE BAND 38: 2570-2620MHz TDD-LTE BAND 40a: 2305-2315MHz TDD-LTE BAND 40b: 2350-2360MHz TDD-LTE BAND 41:2496-2690 MHz
Max. RF output power:	FDD-LTE BAND 2: 20.52dBm FDD-LTE BAND 4: 21.87dBm FDD-LTE BAND 5: 21.92dBm FDD-LTE BAND 7: 20.84dBm FDD-LTE BAND 12: 22.76dBm FDD-LTE BAND 17: 22.45dBm TDD-LTE BAND 38: 22.73dBm TDD-LTE BAND 40a: 20.05dBm TDD-LTE BAND 40b: 19.59dBm TDD-LTE BAND 41: 21.3dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	External antenna
Antenna Gain:	FDD-LTE BAND 2: 5.04dBi FDD-LTE BAND 4: 4.12dBi FDD-LTE BAND 5: 4.46dBi FDD-LTE BAND 7: 0.89dBi FDD-LTE BAND 12: 5.09dBi FDD-LTE BAND 17: 5.09dBi TDD-LTE BAND 38: 0.87dBi TDD-LTE BAND 40a: 2.38dBi

TDD-LTE BAND 40b: 2.66dBi
TDD-LTE BAND 41: 0.89dBi

Ratings: Input: DC 12V

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	DC power	LONGWEI	TPR-12002D	N/A	AE

Notes:

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

4.4 Test Mode

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE BAND 2	Low, Middle, High Channels
TM2	FDD-LTE BAND 4	Low, Middle, High Channels
TM3	FDD-LTE BAND 5	Low, Middle, High Channels
TM4	FDD-LTE BAND 7	Low, Middle, High Channels
TM5	FDD-LTE BAND 12	Low, Middle, High Channels
TM6	FDD-LTE BAND 17	Low, Middle, High Channels
TM7	TDD-LTE BAND 38	Low, Middle, High Channels
TM8	TDD-LTE BAND 40a	Low, Middle, High Channels
TM9	TDD-LTE BAND 40b	Low, Middle, High Channels
TM10	TDD-LTE BAND 41	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 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

LTE BAND 38

Test Mode	Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
TDD band 38 TX/RX 2570– 2620 MHz	Low Range	5	37775	2572.5
		10	37800	2575
		15	37825	2577.5
		20	37850	2580
	Mid Range	5/10/15/20	38000	2595
	High Range	5	38225	2617.5
		10	38200	2615
		15	38175	2612.5
		20	38150	2610

LTE BAND 40 a

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 40a	Low Range	5	38725	2307.5
	Mid Range	5/10	38750	2310
	High Range	5	38775	2312.5

LTE BAND 40 b

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 40b	Low Range	5	39175	2352.5
	Mid Range	5/10	39200	2355
	High Range	5	39200	2357.5

LTE BAND 41

Test Mode	Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency of Uplink(MHz)
TDD band 41 TX/RX 2495– 2690 MHz	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Mid Range	5/10/15/20	40620	2593
	High Range	5	41656	2687.5

		10	41540	2685
		15	41515	2682.5
		20	41490	2680

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):	12V
Normal Temperature(℃)	23
Low Temperature(℃)	0
High Temperature(℃)	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, Xinhe 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 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	Micowave	MTS8310	Ver. 2.0.0.0	/	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2024/10/31	2025/10/30
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/5/22	2026/5/21
15	234G Automatic test software	Micowave	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 Meter	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.

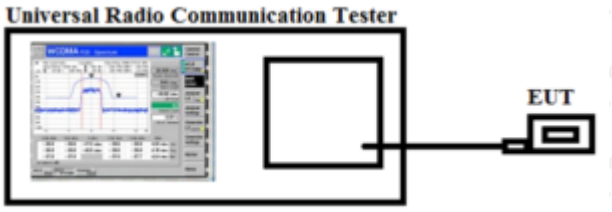
According to §27.50(h)(2), Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

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

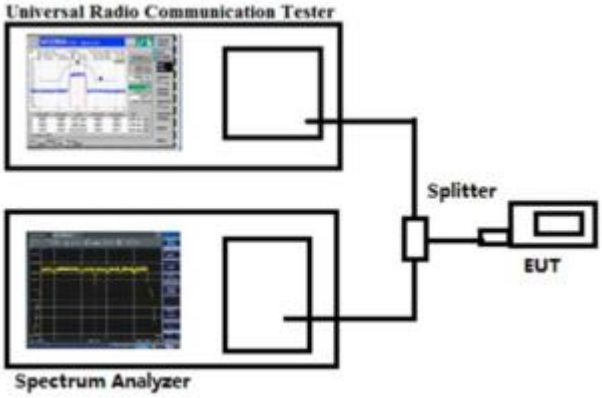
8.1 Standard Applicable

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.

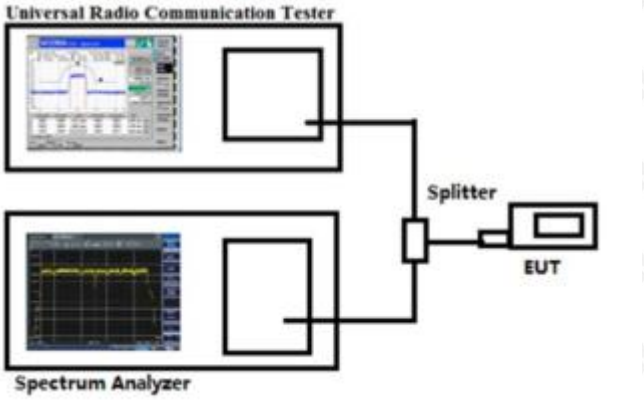
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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 log10 (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 that 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;

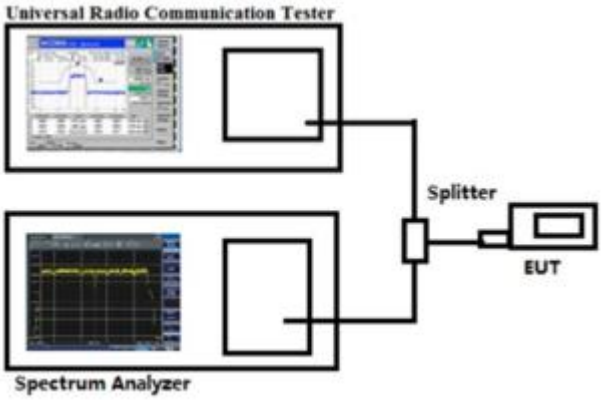
(2) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 70 + 10 log (P) dB on all frequencies between 2287.5 and 2300 MHz, 72 + 10 log (P) dB on all frequencies between 2285 and 2287.5 MHz, and 75 + 10 log (P) dB below 2285 MHz;

(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 log10 (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 that 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.
1346.08	148	116	-57.06	-13	-44.06	Pass	H
1702.74	147	156	-46.47	-13	-33.47	Pass	H
3941.75	149	175	-45.24	-13	-32.24	Pass	H
5891.59	160	174	-43.06	-13	-30.06	Pass	H
6565.11	144	232	-43.74	-13	-30.74	Pass	H
8136.27	142	52	-44.77	-13	-31.77	Pass	H
1282.20	157	188	-55.66	-13	-42.66	Pass	V
1492.20	155	313	-58.60	-13	-45.60	Pass	V
3481.25	141	99	-51.62	-13	-38.62	Pass	V
3776.65	148	348	-51.25	-13	-38.25	Pass	V
5778.36	154	39	-49.04	-13	-36.04	Pass	V
6545.94	152	69	-46.12	-13	-33.12	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.
1242.47	150	333	-53.77	-13	-40.77	Pass	H
1622.10	146	195	-50.17	-13	-37.17	Pass	H
3909.98	150	8	-48.69	-13	-35.69	Pass	H
5883.34	146	342	-47.40	-13	-34.40	Pass	H
6386.13	149	242	-49.38	-13	-36.38	Pass	H
8092.47	151	359	-46.59	-13	-33.59	Pass	H
1139.03	149	14	-54.76	-13	-41.76	Pass	V
1343.31	148	201	-58.73	-13	-45.73	Pass	V
3652.81	147	340	-52.25	-13	-39.25	Pass	V
3856.26	148	259	-48.35	-13	-35.35	Pass	V
5785.98	150	338	-50.22	-13	-37.22	Pass	V
6612.09	150	4	-50.33	-13	-37.33	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.
1307.62	151	239	-59.02	-13	-46.02	Pass	H
1761.64	151	103	-52.42	-13	-39.42	Pass	H
3772.40	155	145	-48.60	-13	-35.60	Pass	H
5849.20	147	284	-42.08	-13	-29.08	Pass	H
6604.94	149	64	-44.43	-13	-31.43	Pass	H
7973.60	148	339	-46.40	-13	-33.40	Pass	H
1270.77	149	224	-58.69	-13	-45.69	Pass	V
1382.58	152	7	-58.38	-13	-45.38	Pass	V
3558.45	148	88	-52.97	-13	-39.97	Pass	V
3844.34	152	131	-48.92	-13	-35.92	Pass	V
5720.14	154	213	-40.29	-13	-27.29	Pass	V
6659.45	151	109	-48.50	-13	-35.50	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.
1311.99	147	338	-57.91	-13	-44.91	Pass	H
1778.91	150	335	-44.66	-13	-31.66	Pass	H
3929.08	148	273	-46.04	-13	-33.04	Pass	H
6009.82	149	232	-47.29	-13	-34.29	Pass	H
6577.90	148	14	-41.89	-13	-28.89	Pass	H
8006.29	153	224	-39.89	-13	-26.89	Pass	H
1132.24	151	31	-51.17	-13	-38.17	Pass	V
1521.57	154	219	-56.96	-13	-43.96	Pass	V
3573.12	151	359	-52.46	-13	-39.46	Pass	V
3908.68	148	156	-53.65	-13	-40.65	Pass	V
5821.12	151	26	-46.02	-13	-33.02	Pass	V
6488.94	147	123	-47.05	-13	-34.05	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.
1241.04	149	175	-57.44	-13	-41.45	Pass	H
1718.68	146	346	-46.91	-13	-37.85	Pass	H
3881.86	154	139	-47.94	-13	-35.2	Pass	H
6012.00	154	197	-41.00	-13	-30.39	Pass	H
6536.96	150	112	-41.90	-13	-32.24	Pass	H
8037.54	145	329	-40.04	-13	-30.22	Pass	H
1228.63	146	133	-55.50	-13	-44.9	Pass	V
1382.14	153	72	-58.54	-13	-43.63	Pass	V
3472.76	152	102	-50.07	-13	-35.94	Pass	V
3760.19	152	111	-45.38	-13	-36.01	Pass	V
5762.05	148	265	-48.35	-13	-33.75	Pass	V
6514.02	150	306	-43.00	-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.
1405.69	153	186	-52.50	-13	-39.50	Pass	H
1658.15	149	295	-50.69	-13	-37.69	Pass	H
3945.99	153	164	-40.73	-13	-27.73	Pass	H
5830.21	153	70	-39.31	-13	-26.31	Pass	H
6451.21	153	356	-43.00	-13	-30.00	Pass	H
7985.01	148	98	-45.52	-13	-32.52	Pass	H
1230.89	151	228	-54.23	-13	-41.23	Pass	V
1378.92	146	305	-61.03	-13	-48.03	Pass	V
3521.19	151	172	-46.71	-13	-33.71	Pass	V
3864.64	150	89	-53.27	-13	-40.27	Pass	V
5775.92	155	304	-51.18	-13	-38.18	Pass	V
6598.60	153	271	-47.98	-13	-34.98	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.
1274.83	146	210	-58.57	-13	-45.57	Pass	H
1726.29	155	187	-49.69	-13	-36.69	Pass	H
3807.03	146	325	-46.79	-13	-33.79	Pass	H
5806.32	148	171	-42.38	-13	-29.38	Pass	H
6452.93	152	320	-44.32	-13	-31.32	Pass	H
7981.58	155	199	-40.57	-13	-27.57	Pass	H
1238.48	144	121	-56.96	-13	-43.96	Pass	V
1427.79	145	209	-57.72	-13	-44.72	Pass	V
3621.92	141	28	-49.12	-13	-36.12	Pass	V
3736.32	148	123	-53.56	-13	-40.56	Pass	V
5858.21	149	39	-50.54	-13	-37.54	Pass	V
6483.42	151	353	-44.57	-13	-31.57	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.
1304.05	150	114	-54.22	-13	-41.22	Pass	H
1714.90	146	223	-53.10	-13	-40.10	Pass	H
3780.05	150	35	-50.77	-13	-37.77	Pass	H
5856.46	146	221	-45.75	-13	-32.75	Pass	H
6494.77	149	330	-50.12	-13	-37.12	Pass	H
8109.26	151	88	-46.81	-13	-33.81	Pass	H
1184.61	149	79	-56.76	-13	-43.76	Pass	V
1439.03	148	27	-61.09	-13	-48.09	Pass	V
3680.73	147	48	-54.66	-13	-41.66	Pass	V
3997.88	148	336	-53.78	-13	-40.78	Pass	V
5887.16	150	204	-46.12	-13	-33.12	Pass	V
6434.51	150	110	-49.47	-13	-36.47	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.
1417.79	150	305	-55.34	-13	-42.34	Pass	H
1698.38	152	63	-53.45	-13	-40.45	Pass	H
3892.96	150	73	-47.41	-13	-34.41	Pass	H
5875.15	146	208	-39.37	-13	-26.37	Pass	H
6470.85	151	149	-42.46	-13	-29.46	Pass	H
8081.26	153	171	-45.81	-13	-32.81	Pass	H
1352.42	152	99	-56.19	-13	-43.19	Pass	V
1459.26	150	143	-55.28	-13	-42.28	Pass	V
3563.49	152	237	-53.51	-13	-40.51	Pass	V
4009.42	147	99	-46.84	-13	-33.84	Pass	V
5701.81	146	315	-40.31	-13	-27.31	Pass	V
6647.49	148	240	-48.90	-13	-35.90	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.
1388.72	150	49	-60.87	-13	-47.87	Pass	H
1750.07	149	317	-47.52	-13	-34.52	Pass	H
3894.31	153	338	-49.17	-13	-36.17	Pass	H
5923.23	154	226	-44.81	-13	-31.81	Pass	H
6613.11	154	345	-45.01	-13	-32.01	Pass	H
8061.40	147	141	-39.84	-13	-26.84	Pass	H
1204.92	153	93	-50.22	-13	-37.22	Pass	V
1520.34	151	73	-58.04	-13	-45.04	Pass	V
3586.07	154	174	-50.43	-13	-37.43	Pass	V
3879.46	155	124	-53.34	-13	-40.34	Pass	V
5818.74	152	9	-43.28	-13	-30.28	Pass	V
6582.20	147	193	-50.86	-13	-37.86	Pass	V

Band 4 20175 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1294.19	151	78	-54.83	-13	-41.45	Pass	H
1735.11	145	226	-51.11	-13	-37.85	Pass	H
3777.74	147	135	-46.84	-13	-35.2	Pass	H
5953.36	147	309	-43.59	-13	-30.39	Pass	H
6590.02	149	77	-42.24	-13	-32.24	Pass	H
7984.88	155	38	-43.04	-13	-30.22	Pass	H
1101.96	145	172	-59.82	-13	-44.9	Pass	V
1472.67	151	341	-58.73	-13	-43.63	Pass	V
3470.62	153	281	-45.96	-13	-35.94	Pass	V
3861.22	146	317	-50.34	-13	-36.01	Pass	V
5755.05	151	138	-43.72	-13	-33.75	Pass	V
6548.91	154	340	-44.57	-13	-32.41	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.
1309.46	154	257	-57.41	-13	-44.41	Pass	H
1695.67	146	154	-51.34	-13	-38.34	Pass	H
3927.14	149	55	-46.84	-13	-33.84	Pass	H
5856.51	149	54	-44.54	-13	-31.54	Pass	H
6442.54	155	73	-41.67	-13	-28.67	Pass	H
8079.76	153	10	-45.17	-13	-32.17	Pass	H
1288.59	154	283	-57.52	-13	-44.52	Pass	V
1458.47	155	221	-60.28	-13	-47.28	Pass	V
3588.71	148	277	-51.33	-13	-38.33	Pass	V
3792.40	147	69	-48.50	-13	-35.50	Pass	V
5711.33	149	42	-45.19	-13	-32.19	Pass	V
6466.22	152	312	-46.75	-13	-33.75	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.
1250.93	158	6	-55.95	-13	-42.95	Pass	H
1640.13	150	85	-48.91	-13	-35.91	Pass	H
3929.03	148	276	-46.73	-13	-33.73	Pass	H
5809.06	147	156	-43.73	-13	-30.73	Pass	H
6446.55	147	193	-41.46	-13	-28.46	Pass	H
7980.33	158	241	-41.86	-13	-28.86	Pass	H
1126.39	149	291	-56.57	-13	-43.57	Pass	V
1372.64	149	21	-56.62	-13	-43.62	Pass	V
3630.50	153	180	-50.35	-13	-37.35	Pass	V
3774.08	143	271	-52.87	-13	-39.87	Pass	V
5846.75	160	33	-50.43	-13	-37.43	Pass	V
6467.93	158	350	-47.30	-13	-34.30	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.
1279.28	150	123	-59.27	-13	-46.27	Pass	H
1774.26	146	299	-49.46	-13	-36.46	Pass	H
3882.86	150	220	-47.52	-13	-34.52	Pass	H
5824.22	146	159	-43.65	-13	-30.65	Pass	H
6518.10	149	14	-50.15	-13	-37.15	Pass	H
7988.95	151	80	-46.64	-13	-33.64	Pass	H
1263.33	149	177	-52.30	-13	-39.30	Pass	V
1464.06	148	42	-61.03	-13	-48.03	Pass	V
3504.15	147	134	-51.70	-13	-38.70	Pass	V
4002.78	148	201	-48.97	-13	-35.97	Pass	V
5882.87	150	53	-47.35	-13	-34.35	Pass	V
6571.16	150	295	-49.48	-13	-36.48	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.
1274.32	147	234	-55.02	-13	-42.02	Pass	H
1705.26	150	193	-49.58	-13	-36.58	Pass	H
3752.85	152	22	-43.95	-13	-30.95	Pass	H
5913.69	145	190	-40.33	-13	-27.33	Pass	H
6611.53	149	168	-43.54	-13	-30.54	Pass	H
8006.33	149	37	-42.84	-13	-29.84	Pass	H
1234.57	151	1	-55.54	-13	-42.54	Pass	V
1452.46	154	125	-56.98	-13	-43.98	Pass	V
3470.27	154	304	-51.58	-13	-38.58	Pass	V
3857.54	154	42	-49.82	-13	-36.82	Pass	V
5788.14	154	351	-44.72	-13	-31.72	Pass	V
6530.76	154	139	-46.56	-13	-33.56	Pass	V

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Band 5 20407 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1292.28	146	324	-58.37	-13	-45.37	Pass	H
1693.67	150	6	-45.29	-13	-32.29	Pass	H
3837.75	150	253	-48.60	-13	-35.60	Pass	H
5945.96	148	340	-43.72	-13	-30.72	Pass	H
6655.09	146	278	-46.19	-13	-33.19	Pass	H
8094.52	155	22	-40.84	-13	-27.84	Pass	H
1246.89	146	125	-54.23	-13	-41.23	Pass	V
1351.77	146	108	-52.86	-13	-39.86	Pass	V
3495.63	149	165	-53.85	-13	-40.85	Pass	V
3821.58	150	86	-50.17	-13	-37.17	Pass	V
5947.02	149	79	-43.50	-13	-30.50	Pass	V
6570.17	146	30	-47.90	-13	-34.90	Pass	V

Band 5 20525 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1264.66	148	38	-56.96	-13	-41.45	Pass	H
1691.55	151	244	-50.60	-13	-37.85	Pass	H
3754.01	153	260	-50.33	-13	-35.2	Pass	H
5889.81	146	176	-45.74	-13	-30.39	Pass	H
6452.88	145	255	-46.89	-13	-32.24	Pass	H
7966.27	155	152	-40.27	-13	-30.22	Pass	H
1237.71	149	254	-54.08	-13	-44.9	Pass	V
1418.25	150	41	-58.18	-13	-43.63	Pass	V
3535.62	154	330	-45.76	-13	-35.94	Pass	V
3807.40	154	109	-48.56	-13	-36.01	Pass	V
5734.17	153	130	-44.91	-13	-33.75	Pass	V
6443.90	151	253	-47.29	-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.
1431.44	146	215	-55.03	-13	-42.03	Pass	H
1768.57	151	141	-47.09	-13	-34.09	Pass	H
3973.12	146	178	-43.25	-13	-30.25	Pass	H
5945.06	155	319	-45.12	-13	-32.12	Pass	H
6457.16	151	25	-43.99	-13	-30.99	Pass	H
8164.77	150	297	-48.43	-13	-35.43	Pass	H
1157.86	154	360	-54.79	-13	-41.79	Pass	V
1454.63	150	263	-59.95	-13	-46.95	Pass	V
3590.06	146	221	-49.30	-13	-36.30	Pass	V
3781.78	151	173	-51.86	-13	-38.86	Pass	V
5784.70	152	73	-49.41	-13	-36.41	Pass	V
6469.68	150	338	-42.36	-13	-29.36	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.
1293.61	149	134	-55.71	-13	-42.71	Pass	H
1747.71	147	171	-50.40	-13	-37.40	Pass	H
3927.13	148	27	-51.98	-13	-38.98	Pass	H
5936.55	155	84	-48.94	-13	-35.94	Pass	H
6626.21	153	194	-45.12	-13	-32.12	Pass	H
7925.85	153	232	-42.27	-13	-29.27	Pass	H
1200.43	153	314	-53.82	-13	-40.82	Pass	V
1472.60	146	355	-56.03	-13	-43.03	Pass	V
3574.56	147	58	-50.32	-13	-37.32	Pass	V
3904.60	149	252	-53.22	-13	-40.22	Pass	V
5822.63	149	170	-46.52	-13	-33.52	Pass	V
6500.52	148	205	-47.53	-13	-34.53	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.
1330.69	146	117	-53.03	-13	-40.03	Pass	H
1645.52	147	182	-46.26	-13	-33.26	Pass	H
3904.76	146	250	-43.74	-13	-30.74	Pass	H
5854.16	152	272	-43.80	-13	-30.80	Pass	H
6438.08	148	70	-45.94	-13	-32.94	Pass	H
8091.92	147	26	-47.81	-13	-34.81	Pass	H
1167.86	151	58	-55.94	-13	-42.94	Pass	V
1465.78	148	317	-56.78	-13	-43.78	Pass	V
3474.01	151	202	-46.90	-13	-33.90	Pass	V
3826.11	155	38	-47.01	-13	-34.01	Pass	V
5824.95	153	259	-44.13	-13	-31.13	Pass	V
6438.25	152	334	-42.58	-13	-29.58	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.
1379.28	149	165	-51.03	-13	-38.03	Pass	H
1637.40	146	208	-47.01	-13	-34.01	Pass	H
3993.05	146	4	-46.02	-13	-33.02	Pass	H
5837.55	150	198	-37.80	-13	-24.80	Pass	H
6512.30	146	341	-45.82	-13	-32.82	Pass	H
8055.55	150	235	-42.17	-13	-29.17	Pass	H
1248.64	146	292	-52.57	-13	-39.57	Pass	V
1453.10	150	158	-57.42	-13	-44.42	Pass	V
3540.23	149	55	-52.45	-13	-39.45	Pass	V
3819.91	150	319	-48.86	-13	-35.86	Pass	V
5876.94	146	118	-48.91	-13	-35.91	Pass	V
6553.07	150	155	-49.78	-13	-36.78	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.
1306.01	150	78	-55.03	-13	-42.03	Pass	H
1665.25	149	291	-50.61	-13	-37.61	Pass	H
3919.18	151	213	-47.58	-13	-34.58	Pass	H
5831.74	150	89	-46.54	-13	-33.54	Pass	H
6421.70	151	329	-50.13	-13	-37.13	Pass	H
7956.87	148	138	-49.02	-13	-36.02	Pass	H
1261.45	149	99	-56.85	-13	-43.85	Pass	V
1531.51	148	217	-55.13	-13	-42.13	Pass	V
3609.99	150	12	-47.41	-13	-34.41	Pass	V
3789.07	150	137	-50.40	-13	-37.40	Pass	V
5876.92	146	356	-43.03	-13	-30.03	Pass	V
6568.91	146	95	-48.62	-13	-35.62	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.
1261.01	150	142	-57.81	-13	-44.81	Pass	H
1742.09	146	280	-55.21	-13	-42.21	Pass	H
3908.95	150	330	-46.08	-13	-33.08	Pass	H
5965.80	146	194	-41.95	-13	-28.95	Pass	H
6538.78	149	260	-52.26	-13	-39.26	Pass	H
8097.62	151	31	-45.91	-13	-32.91	Pass	H
1186.24	149	4	-52.93	-13	-39.93	Pass	V
1434.36	148	257	-59.61	-13	-46.61	Pass	V
3577.01	147	55	-52.52	-13	-39.52	Pass	V
3821.33	148	273	-53.18	-13	-40.18	Pass	V
5901.62	150	136	-51.32	-13	-38.32	Pass	V
6449.56	150	16	-45.08	-13	-32.08	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.
1284.67	149	156	-58.12	-13	-45.12	Pass	H
1614.01	149	170	-54.60	-13	-41.60	Pass	H
3796.50	149	127	-43.37	-13	-30.37	Pass	H
5825.34	146	42	-42.23	-13	-29.23	Pass	H
6456.97	147	69	-41.91	-13	-28.91	Pass	H
7921.78	151	110	-47.17	-13	-34.17	Pass	H
1159.54	148	61	-52.00	-13	-39.00	Pass	V
1355.59	147	266	-52.94	-13	-39.94	Pass	V
3476.32	148	303	-49.98	-13	-36.98	Pass	V
3829.96	149	195	-48.89	-13	-35.89	Pass	V
5751.08	147	323	-41.59	-13	-28.59	Pass	V
6514.13	146	325	-47.79	-13	-34.79	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.
1432.68	143	199	-56.92	-13	-43.92	Pass	H
1752.15	153	165	-48.21	-13	-35.21	Pass	H
3864.34	142	64	-45.92	-13	-32.92	Pass	H
5923.01	159	286	-44.60	-13	-31.60	Pass	H
6543.01	148	331	-41.82	-13	-28.82	Pass	H
8078.57	143	337	-42.61	-13	-29.61	Pass	H
1187.72	158	86	-52.73	-13	-39.73	Pass	V
1406.84	140	1	-58.17	-13	-45.17	Pass	V
3615.53	155	229	-52.48	-13	-39.48	Pass	V
3871.26	158	307	-53.19	-13	-40.19	Pass	V
5768.74	150	187	-49.60	-13	-36.60	Pass	V
6652.16	155	70	-44.65	-13	-31.65	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.
1271.49	150	349	-56.22	-13	-43.22	Pass	H
1766.52	146	347	-51.62	-13	-38.62	Pass	H
3944.90	150	133	-52.13	-13	-39.13	Pass	H
5906.12	146	327	-43.30	-13	-30.30	Pass	H
6383.56	149	56	-47.43	-13	-34.43	Pass	H
8064.94	151	147	-47.54	-13	-34.54	Pass	H
1209.42	149	203	-55.16	-13	-42.16	Pass	V
1362.26	148	28	-59.61	-13	-46.61	Pass	V
3623.96	147	155	-52.51	-13	-39.51	Pass	V
3915.19	148	270	-50.55	-13	-37.55	Pass	V
5787.39	150	164	-45.76	-13	-32.76	Pass	V
6610.58	150	75	-46.39	-13	-33.39	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.
1325.92	153	21	-55.37	-13	-42.37	Pass	H
1573.55	155	329	-51.51	-13	-38.51	Pass	H
3894.54	152	218	-48.59	-13	-35.59	Pass	H
5877.25	149	142	-38.32	-13	-25.32	Pass	H
6482.68	147	338	-43.22	-13	-30.22	Pass	H
7912.57	153	30	-42.45	-13	-29.45	Pass	H
1183.80	152	286	-56.19	-13	-43.19	Pass	V
1390.75	145	322	-55.71	-13	-42.71	Pass	V
3515.08	145	119	-49.91	-13	-36.91	Pass	V
3893.64	155	256	-50.96	-13	-37.96	Pass	V
5825.54	148	58	-40.31	-13	-27.31	Pass	V
6492.96	153	320	-47.16	-13	-34.16	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.
1327.40	146	219	-57.86	-13	-44.86	Pass	H
1677.84	150	288	-49.42	-13	-36.42	Pass	H
3842.72	149	72	-50.41	-13	-37.41	Pass	H
5924.62	150	320	-42.86	-13	-29.86	Pass	H
6624.48	148	195	-45.66	-13	-32.66	Pass	H
8008.09	153	306	-43.64	-13	-30.64	Pass	H
1138.08	150	307	-52.72	-13	-39.72	Pass	V
1473.24	155	157	-53.02	-13	-40.02	Pass	V
3675.81	148	357	-53.88	-13	-40.88	Pass	V
3832.19	152	2	-53.91	-13	-40.91	Pass	V
5908.50	146	54	-42.51	-13	-29.51	Pass	V
6652.90	152	172	-50.08	-13	-37.08	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.
1428.97	145	329	-53.53	-13	-41.45	Pass	H
1705.08	150	111	-48.32	-13	-37.85	Pass	H
3802.91	151	157	-48.19	-13	-35.2	Pass	H
5929.07	150	277	-44.09	-13	-30.39	Pass	H
6543.39	151	75	-47.26	-13	-32.24	Pass	H
7974.67	155	243	-44.56	-13	-30.22	Pass	H
1138.34	147	354	-58.55	-13	-44.9	Pass	V
1344.06	147	102	-53.73	-13	-43.63	Pass	V
3535.27	145	73	-45.94	-13	-35.94	Pass	V
3771.48	146	39	-49.89	-13	-36.01	Pass	V
5767.53	154	328	-48.69	-13	-33.75	Pass	V
6436.02	147	95	-47.58	-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.
1264.72	147	332	-55.23	-13	-42.23	Pass	H
1672.60	153	300	-46.09	-13	-33.09	Pass	H
3988.73	153	207	-41.50	-13	-28.50	Pass	H
5938.25	152	192	-45.48	-13	-32.48	Pass	H
6580.08	147	305	-43.81	-13	-30.81	Pass	H
8100.44	150	139	-44.64	-13	-31.64	Pass	H
1269.83	153	170	-54.14	-13	-41.14	Pass	V
1403.17	145	147	-56.88	-13	-43.88	Pass	V
3598.65	155	233	-49.95	-13	-36.95	Pass	V
3869.34	155	182	-47.45	-13	-34.45	Pass	V
5781.87	147	275	-48.80	-13	-35.80	Pass	V
6528.81	151	91	-47.74	-13	-34.74	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 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.
1331.73	151	267	-54.12	-13	-41.12	Pass	H
1742.04	150	239	-43.88	-13	-30.88	Pass	H
3934.95	147	345	-47.51	-13	-34.51	Pass	H
6023.94	151	243	-47.00	-13	-34.00	Pass	H
6584.03	151	212	-42.85	-13	-29.85	Pass	H
7928.22	148	74	-37.86	-13	-24.86	Pass	H
1148.91	146	11	-51.90	-13	-38.90	Pass	V
1409.01	150	358	-56.63	-13	-43.63	Pass	V
3637.07	145	85	-53.42	-13	-40.42	Pass	V
3882.60	146	54	-51.90	-13	-38.90	Pass	V
5767.73	149	157	-45.38	-13	-32.38	Pass	V
6629.87	152	67	-49.19	-13	-36.19	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.
1418.61	149	8	-57.28	-13	-44.28	Pass	H
1724.68	150	151	-51.37	-13	-38.37	Pass	H
3777.96	150	57	-48.57	-13	-35.57	Pass	H
6018.68	153	198	-44.54	-13	-31.54	Pass	H
6531.27	152	234	-39.92	-13	-26.92	Pass	H
7985.47	149	133	-46.24	-13	-33.24	Pass	H
1094.21	153	84	-58.68	-13	-45.68	Pass	V
1341.71	149	152	-58.52	-13	-45.52	Pass	V
3573.11	148	72	-51.43	-13	-38.43	Pass	V
3918.17	152	20	-45.44	-13	-32.44	Pass	V
5734.86	151	121	-42.48	-13	-29.48	Pass	V
6618.68	148	102	-46.21	-13	-33.21	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.
1403.25	149	165	-53.07	-13	-40.07	Pass	H
1697.85	146	208	-45.71	-13	-32.71	Pass	H
3900.14	146	4	-46.61	-13	-33.61	Pass	H
5931.39	150	198	-43.88	-13	-30.88	Pass	H
6448.93	146	341	-40.70	-13	-27.70	Pass	H
8025.69	150	235	-45.15	-13	-32.15	Pass	H
1121.67	146	292	-56.26	-13	-43.26	Pass	V
1439.04	150	158	-57.98	-13	-44.98	Pass	V
3566.82	149	55	-51.40	-13	-38.40	Pass	V
3918.37	150	319	-50.19	-13	-37.19	Pass	V
5757.51	146	118	-47.45	-13	-34.45	Pass	V
6496.11	150	155	-46.83	-13	-33.83	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.
1322.03	150	78	-54.23	-13	-41.23	Pass	H
1781.82	149	291	-54.10	-13	-41.10	Pass	H
3969.55	151	213	-49.47	-13	-36.47	Pass	H
5802.83	150	89	-43.65	-13	-30.65	Pass	H
6415.24	151	329	-48.07	-13	-35.07	Pass	H
7957.36	148	138	-43.95	-13	-30.95	Pass	H
1202.69	149	99	-57.02	-13	-44.02	Pass	V
1405.03	148	217	-56.76	-13	-43.76	Pass	V
3509.42	150	12	-52.23	-13	-39.23	Pass	V
3844.84	150	137	-47.10	-13	-34.10	Pass	V
5821.55	146	356	-47.99	-13	-34.99	Pass	V
6538.60	146	95	-49.59	-13	-36.59	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.
1237.97	150	142	-58.37	-13	-45.37	Pass	H
1776.14	146	280	-55.39	-13	-42.39	Pass	H
3882.55	150	330	-47.29	-13	-34.29	Pass	H
5895.36	146	194	-44.23	-13	-31.23	Pass	H
6410.24	149	260	-46.64	-13	-33.64	Pass	H
8105.55	151	31	-47.74	-13	-34.74	Pass	H
1226.54	149	4	-52.44	-13	-39.44	Pass	V
1480.42	148	257	-62.58	-13	-49.58	Pass	V
3679.59	147	55	-54.92	-13	-41.92	Pass	V
3839.20	148	273	-52.19	-13	-39.19	Pass	V
5821.11	150	136	-49.39	-13	-36.39	Pass	V
6601.17	150	16	-46.30	-13	-33.30	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.
1304.83	149	156	-55.25	-13	-42.25	Pass	H
1640.69	149	170	-50.83	-13	-37.83	Pass	H
3758.80	149	127	-49.74	-13	-36.74	Pass	H
5858.37	146	42	-44.19	-13	-31.19	Pass	H
6488.51	147	69	-39.58	-13	-26.58	Pass	H
7963.89	151	110	-45.70	-13	-32.70	Pass	H
1241.33	148	61	-54.08	-13	-41.08	Pass	V
1319.91	147	266	-52.95	-13	-39.95	Pass	V
3463.50	148	303	-52.18	-13	-39.18	Pass	V
3885.42	149	195	-49.29	-13	-36.29	Pass	V
5695.42	147	323	-46.51	-13	-33.51	Pass	V
6542.09	146	325	-49.27	-13	-36.27	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.

QPSK							
Band 38 37775 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1402.31	153	149	-57.72	-25	-32.72	Pass	H
1648.54	150	109	-49.51	-25	-24.51	Pass	H
3884.53	145	66	-46.74	-25	-21.74	Pass	H
5928.19	155	116	-43.65	-25	-18.65	Pass	H
6550.00	151	312	-52.13	-25	-27.13	Pass	H
8010.19	147	148	-48.62	-25	-23.62	Pass	H
1298.81	147	285	-56.97	-25	-31.97	Pass	V
1511.83	149	286	-56.26	-25	-31.26	Pass	V
3581.11	146	120	-48.82	-25	-23.82	Pass	V
3919.87	146	171	-49.45	-25	-24.45	Pass	V
5822.16	147	18	-45.25	-25	-20.25	Pass	V
6527.51	145	355	-45.21	-25	-20.21	Pass	V
Band 38 38000 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1235.52	152	53	-57.87	-25	-32.87	Pass	H
1626.15	151	182	-51.00	-25	-26.00	Pass	H
3801.59	150	281	-52.44	-25	-27.44	Pass	H
5758.84	152	245	-50.06	-25	-25.06	Pass	H
6398.00	146	9	-45.11	-25	-20.11	Pass	H
7897.22	151	206	-44.46	-25	-19.46	Pass	H
1121.03	149	164	-56.17	-25	-31.17	Pass	V
1339.96	149	79	-62.01	-25	-37.01	Pass	V
3470.03	155	304	-45.21	-25	-20.21	Pass	V
3738.16	151	20	-49.75	-25	-24.75	Pass	V
5703.74	145	157	-44.78	-25	-19.78	Pass	V
6454.41	151	263	-48.90	-25	-23.90	Pass	V

Band 38 38225 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1425.62	148	98	-52.00	-25	-27.00	Pass	H
1716.28	155	182	-50.31	-25	-25.31	Pass	H
3892.64	151	267	-48.39	-25	-23.39	Pass	H
5946.52	154	301	-44.95	-25	-19.95	Pass	H
6507.64	147	203	-46.33	-25	-21.33	Pass	H
8095.56	146	251	-46.26	-25	-21.26	Pass	H
1128.37	150	239	-60.88	-25	-35.88	Pass	V
1443.46	155	88	-57.15	-25	-32.15	Pass	V
3543.85	152	210	-50.33	-25	-25.33	Pass	V
3828.41	150	318	-51.41	-25	-26.41	Pass	V
5903.37	152	346	-44.47	-25	-19.47	Pass	V
6497.52	154	113	-50.96	-25	-25.96	Pass	V
16QAM							
Band 38 37775 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1434.84	145	327	-56.52	-25	-31.52	Pass	H
1694.89	150	296	-54.34	-25	-29.34	Pass	H
3825.73	146	119	-47.02	-25	-22.02	Pass	H
5822.10	154	10	-47.34	-25	-22.34	Pass	H
6526.74	154	12	-41.14	-25	-16.14	Pass	H
8073.74	149	166	-41.39	-25	-16.39	Pass	H
1200.00	145	137	-56.73	-25	-31.73	Pass	V
1458.38	154	252	-51.79	-25	-26.79	Pass	V
3602.45	145	302	-51.75	-25	-26.75	Pass	V
3868.09	147	274	-49.49	-25	-24.49	Pass	V
5754.45	146	120	-49.54	-25	-24.54	Pass	V
6598.40	151	8	-51.49	-25	-26.49	Pass	V

Band 38 38000 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1363.51	150	182	-52.87	-25	-27.87	Pass	H
1778.96	153	353	-51.98	-25	-26.98	Pass	H
3859.80	149	145	-51.14	-25	-26.14	Pass	H
5916.93	153	238	-44.86	-25	-19.86	Pass	H
6510.16	155	306	-51.08	-25	-26.08	Pass	H
8088.50	153	7	-40.86	-25	-15.86	Pass	H
1264.30	149	265	-58.82	-25	-33.82	Pass	V
1388.38	149	346	-61.30	-25	-36.30	Pass	V
3517.58	146	281	-53.71	-25	-28.71	Pass	V
3864.50	152	145	-50.77	-25	-25.77	Pass	V
5880.83	152	33	-47.01	-25	-22.01	Pass	V
6632.67	148	29	-51.98	-25	-26.98	Pass	V
Band 38 38225 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1337.31	147	34	-53.12	-25	-28.12	Pass	H
1753.86	148	177	-51.20	-25	-26.20	Pass	H
3936.83	152	36	-45.30	-25	-20.30	Pass	H
5790.96	147	256	-50.89	-25	-25.89	Pass	H
6554.27	148	158	-49.36	-25	-24.36	Pass	H
7948.33	146	87	-47.37	-25	-22.37	Pass	H
1258.44	145	244	-61.93	-25	-36.93	Pass	V
1425.18	147	4	-57.92	-25	-32.92	Pass	V
3619.25	150	155	-47.37	-25	-22.37	Pass	V
3902.72	149	192	-55.45	-25	-30.45	Pass	V
5869.79	155	223	-44.77	-25	-19.77	Pass	V
6548.90	154	179	-53.16	-25	-28.16	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.

QPSK-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1273.35	149	165	-52.47	-25	-27.47	Pass	H
1691.87	146	208	-48.00	-25	-23.00	Pass	H
3946.31	146	4	-48.09	-25	-23.09	Pass	H
5888.18	150	198	-43.93	-25	-18.93	Pass	H
6488.30	146	341	-43.21	-25	-18.21	Pass	H
8157.01	150	235	-45.60	-25	-20.60	Pass	H
1159.11	146	292	-55.90	-25	-30.90	Pass	V
1557.20	150	158	-59.15	-25	-34.15	Pass	V
3571.25	149	55	-54.28	-25	-29.28	Pass	V
3753.70	150	319	-53.05	-25	-28.05	Pass	V
5842.05	146	118	-45.09	-25	-20.09	Pass	V
6537.42	150	155	-50.41	-25	-25.41	Pass	V
Band 41 40740 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1238.11	152	326	-52.51	-25	-27.51	Pass	H
1741.54	150	74	-48.02	-25	-23.02	Pass	H
3930.64	148	14	-43.20	-25	-18.20	Pass	H
5958.88	154	341	-42.20	-25	-17.20	Pass	H
6570.60	155	69	-43.16	-25	-18.16	Pass	H
8064.26	147	211	-40.06	-25	-15.06	Pass	H
1206.65	149	202	-50.41	-25	-25.41	Pass	V
1491.05	152	136	-57.64	-25	-32.64	Pass	V
3483.32	155	312	-50.84	-25	-25.84	Pass	V
3877.44	150	111	-48.47	-25	-23.47	Pass	V
5848.86	148	107	-46.48	-25	-21.48	Pass	V
6578.61	148	326	-42.29	-25	-17.29	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1300.31	149	165	-58.96	-25	-33.96	Pass	H
1703.58	146	208	-45.96	-25	-20.96	Pass	H
3821.81	146	4	-43.46	-25	-18.46	Pass	H
5852.59	150	198	-40.50	-25	-15.50	Pass	H
6487.67	146	341	-43.82	-25	-18.82	Pass	H
8010.68	150	235	-45.24	-25	-20.24	Pass	H
1305.13	146	292	-53.91	-25	-28.91	Pass	V
1495.49	150	158	-58.43	-25	-33.43	Pass	V
3582.06	149	55	-52.60	-25	-27.60	Pass	V
3829.95	150	319	-53.53	-25	-28.53	Pass	V
5851.01	146	118	-45.27	-25	-20.27	Pass	V
6531.99	150	155	-47.10	-25	-22.10	Pass	V

16QAM-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1376.74	150	311	-53.46	-25	-28.46	Pass	H
1782.96	152	83	-44.44	-25	-19.44	Pass	H
3810.11	148	12	-47.29	-25	-22.29	Pass	H
5821.47	149	329	-46.04	-25	-21.04	Pass	H
6408.95	150	202	-51.43	-25	-26.43	Pass	H
8065.56	145	96	-45.94	-25	-20.94	Pass	H
1139.06	152	25	-62.76	-25	-37.76	Pass	V
1491.02	150	60	-59.35	-25	-34.35	Pass	V
3551.80	148	36	-45.65	-25	-20.65	Pass	V
3929.76	150	329	-53.50	-25	-28.50	Pass	V
5763.36	151	259	-44.23	-25	-19.23	Pass	V
6494.10	146	248	-43.78	-25	-18.78	Pass	V

Band 41 40740 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1234.78	153	322	-55.28	-25	-30.28	Pass	H
1626.50	152	125	-49.05	-25	-24.05	Pass	H
3802.41	148	119	-51.27	-25	-26.27	Pass	H
5758.30	148	233	-49.61	-25	-24.61	Pass	H
6398.55	152	345	-40.98	-25	-15.98	Pass	H
7897.56	151	223	-48.26	-25	-23.26	Pass	H
1121.26	150	356	-59.95	-25	-34.95	Pass	V
1339.98	149	329	-60.15	-25	-35.15	Pass	V
3470.53	146	20	-47.61	-25	-22.61	Pass	V
3738.35	145	65	-53.88	-25	-28.88	Pass	V
5703.50	148	6	-45.76	-25	-20.76	Pass	V
6454.03	153	332	-47.52	-25	-22.52	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1234.84	150	171	-56.13	-25	-31.13	Pass	H
1626.19	145	57	-49.35	-25	-24.35	Pass	H
3801.86	145	283	-50.14	-25	-25.14	Pass	H
5758.37	150	44	-48.93	-25	-23.93	Pass	H
6398.37	149	156	-44.49	-25	-19.49	Pass	H
7897.39	147	349	-44.45	-25	-19.45	Pass	H
1121.49	148	15	-56.95	-25	-31.95	Pass	V
1340.23	152	213	-59.29	-25	-34.29	Pass	V
3470.00	151	77	-45.11	-25	-20.11	Pass	V
3738.00	146	257	-53.59	-25	-28.59	Pass	V
5703.12	148	320	-45.64	-25	-20.64	Pass	V
6454.13	154	198	-50.52	-25	-25.52	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.

QPSK							
Band 40A 38725 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1262.26	149	12	-52.67	-40	-12.67	Pass	H
1685.64	151	294	-48.20	-40	-8.20	Pass	H
3754.36	151	349	-49.02	-40	-9.02	Pass	H
5959.15	155	165	-44.15	-40	-4.15	Pass	H
6586.71	154	274	-47.61	-40	-7.61	Pass	H
8004.36	155	98	-43.74	-40	-3.74	Pass	H
1125.60	150	255	-51.44	-40	-11.44	Pass	V
1297.27	148	93	-56.89	-40	-16.89	Pass	V
3607.42	150	25	-48.62	-40	-8.62	Pass	V
3840.93	152	132	-43.89	-40	-3.89	Pass	V
5893.51	153	221	-43.24	-40	-3.24	Pass	V
6482.68	154	79	-42.97	-40	-2.97	Pass	V
Band 40A 38750 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1262.85	154	319	-58.84	-40	-18.84	Pass	H
1789.86	152	265	-53.56	-40	-13.56	Pass	H
3923.19	145	272	-50.43	-40	-10.43	Pass	H
5840.54	154	341	-46.18	-40	-6.18	Pass	H
6521.34	146	156	-49.64	-40	-9.64	Pass	H
7979.44	150	39	-44.85	-40	-4.85	Pass	H
1258.16	151	120	-58.60	-40	-18.60	Pass	V
1386.81	148	36	-58.17	-40	-18.17	Pass	V
3451.70	153	328	-51.93	-40	-11.93	Pass	V
3774.70	146	15	-47.72	-40	-7.72	Pass	V
5858.15	147	77	-48.38	-40	-8.38	Pass	V
6442.84	150	44	-44.11	-40	-4.11	Pass	V

Band 40A 38775 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1402.99	149	4	-54.30	-40	-14.30	Pass	H
1821.16	147	181	-48.95	-40	-8.95	Pass	H
3852.02	150	324	-51.01	-40	-11.01	Pass	H
5927.68	151	186	-44.69	-40	-4.69	Pass	H
6524.25	149	151	-44.12	-40	-4.12	Pass	H
8054.75	153	183	-46.68	-40	-6.68	Pass	H
1282.64	154	217	-59.53	-40	-19.53	Pass	V
1430.06	149	236	-62.21	-40	-22.21	Pass	V
3578.20	151	67	-49.97	-40	-9.97	Pass	V
3925.81	155	245	-52.54	-40	-12.54	Pass	V
5898.17	155	8	-48.77	-40	-8.77	Pass	V
6572.87	147	133	-46.75	-40	-5.68	Pass	V
16QAM							
Band 40A 38725 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1397.63	152	18	-54.60	-40	-14.60	Pass	H
1721.81	146	333	-49.28	-40	-9.28	Pass	H
3893.04	148	166	-49.03	-40	-9.03	Pass	H
5940.97	145	163	-47.64	-40	-7.64	Pass	H
6582.81	153	195	-46.99	-40	-6.99	Pass	H
8066.20	155	350	-43.21	-40	-3.21	Pass	H
1266.98	153	227	-59.50	-40	-19.50	Pass	V
1355.54	150	215	-58.49	-40	-18.49	Pass	V
3566.86	153	267	-52.60	-40	-12.60	Pass	V
3869.45	149	81	-50.20	-40	-10.20	Pass	V
5819.86	154	138	-48.34	-40	-8.34	Pass	V
6476.73	145.92	186.51	-44.84	-40	-4.84	Pass	V

Band 40A 38750channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1248.18	151	265	-56.53	-40	-16.53	Pass	H
1759.75	150	306	-49.89	-40	-9.89	Pass	H
3839.02	154	279	-49.97	-40	-9.97	Pass	H
6007.05	153	271	-44.42	-40	-4.42	Pass	H
6591.80	152	108	-47.33	-40	-7.33	Pass	H
8125.50	151	225	-44.48	-40	-4.48	Pass	H
1114.46	147	91	-57.94	-40	-17.94	Pass	V
1380.78	150	32	-63.17	-40	-23.17	Pass	V
3462.40	147	0	-52.02	-40	-12.02	Pass	V
3836.96	152	142	-50.97	-40	-10.97	Pass	V
5743.03	150	90	-46.19	-40	-6.19	Pass	V
6514.59	155	233	-46.90	-40	-6.90	Pass	V
Band 40A 38875 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1336.06	154	290	-58.04	-40	-18.04	Pass	H
1683.43	149	283	-49.81	-40	-9.81	Pass	H
3948.06	146	174	-47.55	-40	-7.55	Pass	H
5874.83	145	201	-45.70	-40	-5.70	Pass	H
6413.19	151	341	-48.09	-40	-8.09	Pass	H
7976.34	151	167	-44.51	-40	-4.51	Pass	H
1253.24	150	147	-55.72	-40	-15.72	Pass	V
1370.34	154	288	-58.58	-40	-18.58	Pass	V
3454.46	152	317	-50.22	-40	-10.22	Pass	V
3769.51	149	46	-47.02	-40	-7.02	Pass	V
5865.38	154	13	-46.83	-40	-6.83	Pass	V
6567.91	152	18	-48.15	-40	-8.15	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.

QPSK							
Band 40B 39175channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1284.78	154	106	-55.01	-40	-15.01	Pass	H
1625.21	151	67	-48.54	-40	-8.54	Pass	H
3784.47	154	50	-50.72	-40	-10.72	Pass	H
5939.77	150	21	-43.98	-40	-3.98	Pass	H
6602.39	154	92	-47.48	-40	-7.48	Pass	H
8152.66	155	76	-45.61	-40	-5.61	Pass	H
1140.69	155	91	-56.11	-40	-16.11	Pass	V
1437.57	147	333	-61.51	-40	-21.51	Pass	V
3487.16	147	215	-46.71	-40	-6.71	Pass	V
3878.51	146	114	-50.51	-40	-10.51	Pass	V
5864.99	147	16	-45.21	-40	-5.21	Pass	V
6516.62	153	337	-46.03	-40	-6.03	Pass	V
Band 40B 39200 channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1431.30	147	104	-54.81	-40	-14.81	Pass	H
1676.00	146	194	-49.63	-40	-9.63	Pass	H
3843.97	146	2	-51.22	-40	-11.22	Pass	H
5962.67	155	171	-46.71	-40	-6.71	Pass	H
6511.59	154	212	-46.26	-40	-6.26	Pass	H
8052.73	154	115	-45.98	-40	-5.98	Pass	H
1184.01	154	128	-57.58	-40	-17.58	Pass	V
1378.25	150	215	-59.28	-40	-19.28	Pass	V
3477.43	155	295	-50.75	-40	-10.75	Pass	V
3785.91	155	184	-50.85	-40	-10.85	Pass	V
5764.49	150	179	-46.76	-40	-6.76	Pass	V
6609.70	155	276	-48.56	-40	-8.56	Pass	V

Band 40B 39225 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1379.44	153	40	-57.97	-40	-17.97	Pass	H
1818.37	154	355	-52.01	-40	-12.01	Pass	H
3875.17	146	309	-49.99	-40	-9.99	Pass	H
5879.04	152	157	-43.09	-40	-3.09	Pass	H
6571.71	151	274	-48.66	-40	-8.66	Pass	H
8016.58	145	278	-45.89	-40	-5.89	Pass	H
1207.01	148	32	-58.58	-40	-18.58	Pass	V
1346.61	153	283	-60.12	-40	-20.12	Pass	V
3517.29	153	161	-53.43	-40	-13.43	Pass	V
3925.26	149	203	-49.83	-40	-9.83	Pass	V
5738.85	146	262	-46.39	-40	-6.39	Pass	V
6576.98	152	348	-44.88	-40	-4.88	Pass	V
16QAM							
Band 40B 39175 channel/BW 5(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1312.85	147	199	-53.92	-40	-13.92	Pass	H
1635.45	146	256	-49.03	-40	-9.03	Pass	H
3777.59	146	199	-48.16	-40	-8.16	Pass	H
6019.90	151	220	-44.68	-40	-4.68	Pass	H
6543.40	149	42	-47.04	-40	-7.04	Pass	H
7971.02	152	327	-47.13	-40	-7.13	Pass	H
1165.45	146	333	-58.21	-40	-18.21	Pass	V
1325.14	154	288	-61.37	-40	-21.37	Pass	V
3523.59	149	263	-52.51	-40	-12.51	Pass	V
3843.76	146	299	-49.23	-40	-9.23	Pass	V
5801.34	151	107	-47.61	-40	-7.61	Pass	V
6536.11	152	165	-46.54	-40	-6.54	Pass	V

Band 40B 39200channel/BW 5(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1357.75	145	6	-55.23	-40	-15.23	Pass	H
1633.11	146	237	-49.53	-40	-9.53	Pass	H
3900.01	146	179	-48.41	-40	-8.41	Pass	H
5912.24	146	318	-47.12	-40	-7.12	Pass	H
6596.37	145	267	-43.97	-40	-3.97	Pass	H
7964.76	146	179	-45.71	-40	-5.71	Pass	H
1142.96	146	160	-58.20	-40	-18.20	Pass	V
1450.17	146	33	-60.39	-40	-20.39	Pass	V
3461.33	145	125	-51.70	-40	-11.70	Pass	V
3829.07	145	102	-51.05	-40	-11.05	Pass	V
5769.79	145	297	-48.03	-40	-8.03	Pass	V
6515.26	146	76	-45.89	-40	-5.89	Pass	V
Band 40B 39225 channel/BW 5(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1267.01	153	328	-54.55	-40	-14.55	Pass	H
1667.71	154	110	-49.67	-40	-9.67	Pass	H
3832.04	148	142	-47.73	-40	-7.73	Pass	H
5978.47	150	335	-46.36	-40	-6.36	Pass	H
6418.73	152	29	-47.87	-40	-7.87	Pass	H
8157.54	147	143	-44.29	-40	-4.29	Pass	H
1244.28	150	338	-55.67	-40	-15.67	Pass	V
1336.93	152	84	-61.04	-40	-21.04	Pass	V
3570.20	146	36	-48.57	-40	-8.57	Pass	V
3833.84	148	139	-51.86	-40	-11.86	Pass	V
5791.09	148	115	-50.19	-40	-10.19	Pass	V
6599.23	155	253	-46.83	-40	-6.83	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.

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 12V; Low Voltage LV=DC 10.8V; High Voltage HV=DC 13.2V
Please refer to Appendix 2: Frequency Stability
Test result: Pass

※※※※※ END OF REPORT ※※※※※