



TEST REPORT

Product Name: Rugged Tablet PC
FCC ID: 2ASDX-S917V18

Trademark: **SENDER** 信通

Model Number: S917V18, PAD 6000M14, S917V17, S917V19, S917V20, S917
Prepared For: Shandong Senter Electronic Co., Ltd.
Address: No. 18 Liuyishan Rd, New & Hi-Tech Area Zibo, Shandong, China
Manufacturer: Shandong Senter Electronic Co., Ltd.
Address: No. 18 Liuyishan Rd, New & Hi-Tech Area Zibo, Shandong, China
Prepared By: Shenzhen CTB Testing Technology Co., Ltd.
Address: 1&2/F., Building A, No.26, Xinghe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
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Sample tested Date: Mar. 21, 2025 to Apr. 15, 2025
Issue Date: Apr. 15, 2025
Report No.: CTB25032103101RF08
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

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.

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(Note: N/A means not applicable)



1. **VERSION**

Report No.	Issue Date	Description	Approved
CTB25032103101RF08	Apr. 15, 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

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):	S917V18, PAD 6000M14, S917V17, S917V19, S917V20, S917
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: S917V18
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 25: 1850-1915MHz FDD-LTE BAND 26: 824-849MHz TDD-LTE BAND 41: 2496-2690 MHz
Max. RF output power:	FDD-LTE BAND 2: 23.17dBm FDD-LTE BAND 4: 23.16dBm FDD-LTE BAND 5: 23.90dBm FDD-LTE BAND 7: 22.21dBm FDD-LTE BAND 12: 23.18dBm FDD-LTE BAND 13: 22.92dBm FDD-LTE BAND 17: 23.2dBm FDD-LTE BAND 25: 23.08dBm FDD-LTE BAND 26: 24.39dBm TDD-LTE BAND 41: 24.98dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	FPC antenna
Antenna Gain:	FDD-LTE BAND 2: 0.9dBi FDD-LTE BAND 4: -0.71dBi FDD-LTE BAND 5: -1.48dBi FDD-LTE BAND 7: 0.84dBi FDD-LTE BAND 12: -5.41dBi FDD-LTE BAND 13: -4.1dBi FDD-LTE BAND 17: -5.45dBi FDD-LTE BAND 25: 0.9dBi FDD-LTE BAND 26: -1.48dBi TDD-LTE BAND 41: 0.84dBi
Ratings:	ADAPTER: INPUT: 100-240V~ 50/60Hz 0.5A Max OUTPUT: 5.0V=3.0A 15.0W/ 9.0V=2.0A 18.W/ 12.0V=1.5A 18.0W DC 3.8V by battery

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	Power Supply	ABP	QC0181GA	/	EUT

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 25	Low, Middle, High Channels
TM9	FDD-LTE BAND26	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 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

LTE band 25

Test Mode	Test Frequency	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
FDD band 25 TX 1850– 1915 MHz RX 1930–1995 MHz	Low Range	1.4	26047	1850.7	8047	1930.7
		3	26055	1851.5	8055	1931.5
		5	26065	1852.5	8065	1932.5
		10	26090	1855	8090	1935
		15	26115	1857.5	8115	1937.5
		20	26140	1860	8140	1940
	Mid Range	1.4/3/5/10/15/20	26365	1882.5	8365	1962.5
	High Range	1.4	26683	1914.3	8683	1994.3
		3	26675	1913.5	8675	1993.5
		5	26665	1912.5	8665	1992.5
		10	26640	1910	8640	1990
		15	26615	1907.5	8615	1987.5
		20	26590	1905	8590	1985

LTE band 26

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 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):	3.8V
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	40

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

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

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	2025/6/28
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2025/6/28
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2025/6/28
4	Communication test set	R&S	CMW500	108058	V3.5.80	2025/6/28
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/6/28
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2025/6/28
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2025/6/28
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2025/6/28
9	2.4 GHz Filter	Shenxiang	MSF2400-24 83.5MS-1154	20181015001	/	2025/6/30
10	5 GHz Filter	Shenxiang	MSF5150-58 50MS-1155	20181015001	/	2025/6/30
11	Filter	Xingbo	XBLBQ-DZA 120	190821-1-1	/	2025/6/30
12	BT&WI-FI Automatic test software	Microwave	MTS8310	Ver. 2.0.0.0	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2025/6/28
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/6/28
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/	/
16	966 chamber	C.R.T.	966	/	/	2027/6/21
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/6/28
18	Amplifier	HP	8447E	2945A02747	/	2025/6/28
19	Amplifier	Agilent	8449B	3008A01838	/	2025/6/28
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2025/6/28
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2025/6/28

22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/28
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2025/6/28
26	Amplifier	AEROFLEX	Aeroflex	097	/	2025/6/28
27	Power Metter	KEYSIGHT	N1912AP	N/A	A.05.00	2025/6/28

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.

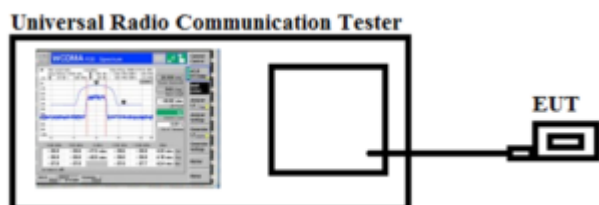
According to §27.50(h)(2), Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

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.

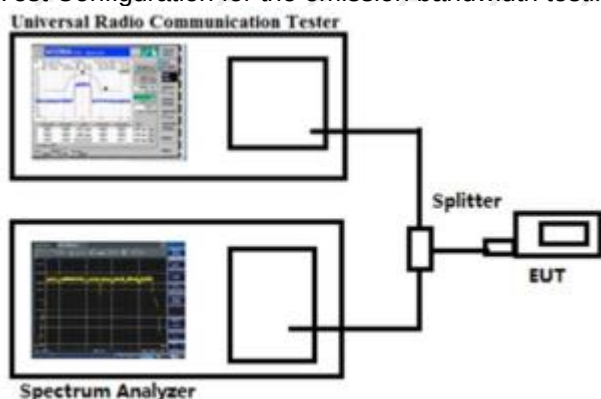
corresponding to the highest PAPR expected during periods of continuous transmission.

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.

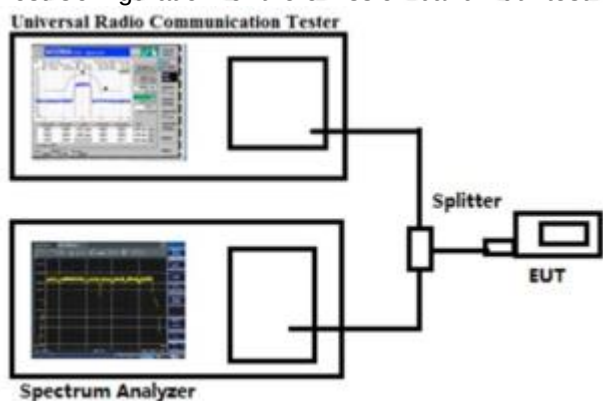
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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;

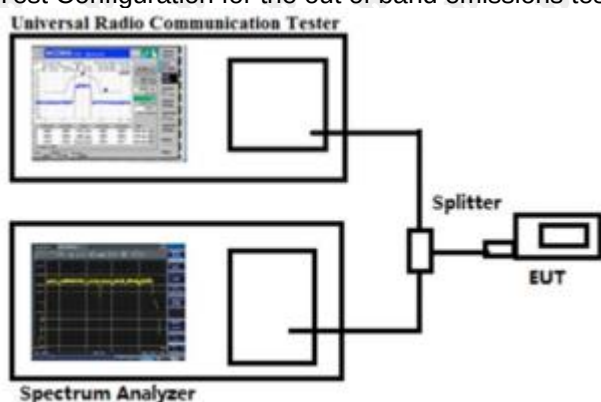
(2) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 70 + 10 log (P) dB on all frequencies between 2287.5 and 2300 MHz, 72 + 10 log (P) dB on all frequencies between 2285 and 2287.5 MHz, and 75 + 10 log (P) dB below 2285 MHz;

(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 = $43 + 10 \log_{10}(\text{power out in Watts})$

11.3 Summary of Test Results/Plots

Note: 1. this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

2. All test modes (different bandwidth and different modulation) are performed, but only the worst case is recorded in this report.

Test Data:
QPSK

Band 2 18607 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1303.96	143	133	-57.40	-13	-44.40	Pass	H
1735.97	146	59	-49.00	-13	-36.00	Pass	H
3912.57	154	4	-45.99	-13	-32.99	Pass	H
5804.95	156	167	-44.18	-13	-31.18	Pass	H
6471.74	152	359	-43.03	-13	-30.03	Pass	H
7994.39	141	203	-43.36	-13	-30.36	Pass	H
1166.80	155	32	-54.65	-13	-41.65	Pass	V
1454.62	157	45	-59.89	-13	-46.89	Pass	V
3514.54	150	203	-49.43	-13	-36.43	Pass	V
3833.07	152	302	-52.57	-13	-39.57	Pass	V
5768.15	141	43	-49.93	-13	-36.93	Pass	V
6644.17	147	215	-49.31	-13	-36.31	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.
1268.86	150	94	-57.64	-13	-44.64	Pass	H
1632.44	146	303	-52.99	-13	-39.99	Pass	H
3965.20	150	324	-53.18	-13	-40.18	Pass	H
5844.12	146	124	-43.75	-13	-30.75	Pass	H
6476.76	149	91	-50.55	-13	-37.55	Pass	H
8033.31	151	207	-45.77	-13	-32.77	Pass	H
1261.35	149	34	-54.31	-13	-41.31	Pass	V
1464.75	148	62	-60.46	-13	-47.46	Pass	V
3577.10	147	68	-52.99	-13	-39.99	Pass	V
3850.33	148	114	-52.76	-13	-39.76	Pass	V
5888.85	150	71	-48.57	-13	-35.57	Pass	V
6428.26	150	309	-47.18	-13	-34.18	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.
1436.09	150	231	-56.50	-13	-43.50	Pass	H
1599.57	146	353	-51.38	-13	-38.38	Pass	H
3779.04	147	61	-42.88	-13	-29.88	Pass	H
5847.51	151	132	-42.22	-13	-29.22	Pass	H
6560.35	149	119	-41.79	-13	-28.79	Pass	H
7958.80	151	144	-44.62	-13	-31.62	Pass	H
1203.16	155	200	-54.70	-13	-41.70	Pass	V
1423.43	153	330	-55.61	-13	-42.61	Pass	V
3503.04	150	191	-50.14	-13	-37.14	Pass	V
3900.29	150	178	-46.78	-13	-33.78	Pass	V
5833.30	153	251	-45.40	-13	-32.40	Pass	V
6567.37	146	212	-46.40	-13	-33.40	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.
1349.15	154	354	-56.14	-13	-43.14	Pass	H
1698.28	154	286	-50.45	-13	-37.45	Pass	H
3929.83	147	279	-48.12	-13	-35.12	Pass	H
5986.85	151	52	-45.96	-13	-32.96	Pass	H
6488.45	154	275	-41.52	-13	-28.52	Pass	H
7967.39	151	294	-42.23	-13	-29.23	Pass	H
1241.19	153	195	-54.11	-13	-41.11	Pass	V
1398.73	146	218	-55.14	-13	-42.14	Pass	V
3529.42	147	142	-50.82	-13	-37.82	Pass	V
3971.00	152	312	-50.25	-13	-37.25	Pass	V
5777.78	149	129	-45.10	-13	-32.10	Pass	V
6574.45	146	278	-48.20	-13	-35.20	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.
1328.35	147	200	-51.99	-13	-41.45	Pass	H
1803.54	155	36	-47.82	-13	-37.85	Pass	H
3933.62	150	159	-44.76	-13	-35.2	Pass	H
5955.18	147	129	-43.88	-13	-30.39	Pass	H
6434.50	151	223	-41.31	-13	-32.24	Pass	H
8072.17	151	78	-41.33	-13	-30.22	Pass	H
1245.76	154	76	-58.33	-13	-44.9	Pass	V
1303.75	154	217	-58.81	-13	-43.63	Pass	V
3463.44	152	320	-45.96	-13	-35.94	Pass	V
3867.41	155	342	-46.53	-13	-36.01	Pass	V
5729.30	146	178	-45.67	-13	-33.75	Pass	V
6603.51	149	256	-43.25	-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.
1303.81	152	51	-56.68	-13	-43.68	Pass	H
1638.32	152	15	-52.14	-13	-39.14	Pass	H
3897.66	148	98	-40.36	-13	-27.36	Pass	H
5987.29	148	305	-44.87	-13	-31.87	Pass	H
6529.00	150	350	-38.02	-13	-25.02	Pass	H
8018.00	152	352	-46.56	-13	-33.56	Pass	H
1130.46	155	152	-52.03	-13	-39.03	Pass	V
1542.48	153	21	-60.54	-13	-47.54	Pass	V
3606.21	152	230	-51.11	-13	-38.11	Pass	V
3857.50	148	357	-49.16	-13	-36.16	Pass	V
5773.60	148	359	-50.03	-13	-37.03	Pass	V
6531.12	152	283	-44.59	-13	-31.59	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.
1401.69	149	337	-54.80	-13	-41.80	Pass	H
1781.47	153	102	-45.16	-13	-32.16	Pass	H
3881.35	151	324	-49.05	-13	-36.05	Pass	H
5875.66	146	265	-49.00	-13	-36.00	Pass	H
6515.06	149	225	-43.48	-13	-30.48	Pass	H
7976.03	150	102	-42.13	-13	-29.13	Pass	H
1170.75	153	276	-51.57	-13	-38.57	Pass	V
1507.40	153	31	-58.63	-13	-45.63	Pass	V
3571.28	152	240	-49.08	-13	-36.08	Pass	V
3863.19	146	330	-50.40	-13	-37.40	Pass	V
5854.78	155	321	-42.73	-13	-29.73	Pass	V
6488.92	147	359	-49.43	-13	-36.43	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.
1414.75	148	162	-56.52	-13	-43.52	Pass	H
1769.32	155	10	-51.80	-13	-38.80	Pass	H
3782.50	151	293	-45.28	-13	-32.28	Pass	H
6001.90	150	280	-39.81	-13	-26.81	Pass	H
6516.32	152	228	-42.80	-13	-29.80	Pass	H
8015.60	149	297	-46.05	-13	-33.05	Pass	H
1105.74	153	208	-58.79	-13	-45.79	Pass	V
1433.16	153	149	-55.76	-13	-42.76	Pass	V
3486.82	153	343	-50.25	-13	-37.25	Pass	V
3866.69	153	57	-48.66	-13	-35.66	Pass	V
5835.21	145	174	-46.44	-13	-33.44	Pass	V
6580.90	153	87	-48.71	-13	-35.71	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.
1308.54	149	275	-51.61	-13	-38.61	Pass	H
1762.16	152	209	-50.82	-13	-37.82	Pass	H
3825.51	153	156	-46.16	-13	-33.16	Pass	H
5932.36	147	32	-38.32	-13	-25.32	Pass	H
6496.77	154	277	-40.43	-13	-27.43	Pass	H
8033.25	150	212	-39.55	-13	-26.55	Pass	H
1122.61	150	219	-55.44	-13	-42.44	Pass	V
1445.24	149	52	-54.69	-13	-41.69	Pass	V
3463.92	146	143	-50.93	-13	-37.93	Pass	V
3781.51	151	314	-47.59	-13	-34.59	Pass	V
5729.33	145	256	-45.03	-13	-32.03	Pass	V
6528.12	146	142	-45.91	-13	-32.91	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.
1311.38	148	33	-57.70	-13	-44.70	Pass	H
1676.58	147	25	-53.59	-13	-40.59	Pass	H
3906.17	153	223	-47.46	-13	-34.46	Pass	H
5762.09	152	273	-49.39	-13	-36.39	Pass	H
6593.97	146	9	-45.98	-13	-32.98	Pass	H
8039.14	147	172	-47.35	-13	-34.35	Pass	H
1288.14	153	35	-55.93	-13	-42.93	Pass	V
1371.13	151	165	-53.14	-13	-40.14	Pass	V
3656.22	154	330	-49.54	-13	-36.54	Pass	V
3839.55	149	32	-51.06	-13	-38.06	Pass	V
5845.91	154	273	-47.27	-13	-34.27	Pass	V
6549.26	151	40	-49.10	-13	-36.10	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.
1258.23	154	185	-55.67	-13	-42.67	Pass	H
1786.69	149	225	-53.83	-13	-40.83	Pass	H
3932.95	148	307	-45.64	-13	-32.64	Pass	H
5807.04	152	247	-43.58	-13	-30.58	Pass	H
6432.41	148	261	-51.39	-13	-38.39	Pass	H
7944.00	148	17	-43.90	-13	-30.90	Pass	H
1230.66	154	108	-56.38	-13	-43.38	Pass	V
1462.10	153	117	-64.62	-13	-51.62	Pass	V
3513.28	153	3	-52.57	-13	-39.57	Pass	V
3989.43	147	117	-56.49	-13	-43.49	Pass	V
5735.82	148	138	-54.43	-13	-41.43	Pass	V
6603.82	151	226	-47.59	-13	-34.59	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.
1300.28	146	85	-58.50	-13	-45.50	Pass	H
1626.04	148	185	-53.39	-13	-40.39	Pass	H
3834.16	152	174	-47.20	-13	-34.20	Pass	H
5907.34	152	35	-39.12	-13	-26.12	Pass	H
6480.80	145	256	-44.05	-13	-31.05	Pass	H
8000.38	150	340	-46.26	-13	-33.26	Pass	H
1195.19	148	322	-54.15	-13	-41.15	Pass	V
1313.09	151	31	-54.41	-13	-41.41	Pass	V
3449.42	148	123	-49.21	-13	-36.21	Pass	V
3830.86	151	280	-43.44	-13	-30.44	Pass	V
5699.59	148	96	-45.68	-13	-32.68	Pass	V
6495.06	152	65	-48.02	-13	-35.02	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.
1310.67	148	287	-55.53	-13	-42.53	Pass	H
1607.48	147	333	-49.64	-13	-36.64	Pass	H
3882.47	146	166	-45.14	-13	-32.14	Pass	H
5953.00	150	141	-46.55	-13	-33.55	Pass	H
6428.26	150	290	-41.66	-13	-28.66	Pass	H
8060.68	152	270	-44.36	-13	-31.36	Pass	H
1123.84	155	28	-52.19	-13	-39.19	Pass	V
1556.12	141	266	-60.34	-13	-47.34	Pass	V
3502.05	147	111	-49.05	-13	-36.05	Pass	V
3865.22	152	204	-53.72	-13	-40.72	Pass	V
5772.60	159	92	-50.88	-13	-37.88	Pass	V
6590.05	160	227	-46.63	-13	-33.63	Pass	V
Band 5 20525 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1317.88	150	176	-55.04	-13	-42.04	Pass	H
1646.50	146	13	-53.48	-13	-40.48	Pass	H
3912.90	150	199	-50.70	-13	-37.70	Pass	H
5937.21	146	347	-43.65	-13	-30.65	Pass	H
6463.53	149	165	-50.53	-13	-37.53	Pass	H
8039.26	151	233	-46.42	-13	-33.42	Pass	H
1214.30	149	201	-53.04	-13	-40.04	Pass	V
1295.31	148	255	-58.93	-13	-45.93	Pass	V
3595.73	147	182	-51.03	-13	-38.03	Pass	V
3930.27	148	356	-50.78	-13	-37.78	Pass	V
5897.14	150	265	-47.81	-13	-34.81	Pass	V
6546.17	150	248	-48.08	-13	-35.08	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.
1247.11	151	167	-55.21	-13	-42.21	Pass	H
1626.71	152	160	-51.85	-13	-38.85	Pass	H
3909.78	152	167	-46.83	-13	-33.83	Pass	H
5931.31	151	357	-41.38	-13	-28.38	Pass	H
6567.56	154	246	-44.00	-13	-31.00	Pass	H
8017.33	146	121	-42.24	-13	-29.24	Pass	H
1337.68	151	358	-59.47	-13	-46.47	Pass	V
1389.46	147	221	-58.35	-13	-45.35	Pass	V
3532.44	145	311	-50.47	-13	-37.47	Pass	V
3983.06	147	223	-46.33	-13	-33.33	Pass	V
5818.90	154	161	-40.91	-13	-27.91	Pass	V
6658.35	147	321	-46.47	-13	-33.47	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.
1351.56	153	142	-56.65	-13	-43.65	Pass	H
1672.24	147	4	-47.79	-13	-34.79	Pass	H
3833.16	155	202	-47.19	-13	-34.19	Pass	H
5930.42	145	304	-44.76	-13	-31.76	Pass	H
6624.71	153	7	-46.06	-13	-33.06	Pass	H
8017.18	149	315	-39.83	-13	-26.83	Pass	H
1150.37	148	127	-55.05	-13	-42.05	Pass	V
1489.45	145	194	-57.03	-13	-44.03	Pass	V
3623.06	145	293	-49.06	-13	-36.06	Pass	V
3882.98	154	140	-51.47	-13	-38.47	Pass	V
5802.39	151	97	-46.15	-13	-33.15	Pass	V
6495.84	153	118	-47.31	-13	-34.31	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.
1306.77	150	97	-51.43	-13	-41.45	Pass	H
1780.88	148	157	-49.22	-13	-37.85	Pass	H
3949.35	151	100	-46.21	-13	-35.2	Pass	H
5898.77	153	220	-40.13	-13	-30.39	Pass	H
6431.93	154	286	-46.98	-13	-32.24	Pass	H
7992.26	150	280	-40.69	-13	-30.22	Pass	H
1097.99	153	193	-54.98	-13	-44.9	Pass	V
1443.97	150	282	-55.69	-13	-43.63	Pass	V
3632.79	149	160	-50.65	-13	-35.94	Pass	V
3856.38	152	163	-49.21	-13	-36.01	Pass	V
5825.95	154	31	-47.93	-13	-33.75	Pass	V
6434.22	146	89	-41.91	-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.
1234.43	145	212	-58.92	-13	-45.92	Pass	H
1682.86	149	58	-49.70	-13	-36.70	Pass	H
3971.62	148	285	-44.69	-13	-31.69	Pass	H
5857.00	149	322	-41.29	-13	-28.29	Pass	H
6423.62	154	23	-41.18	-13	-28.18	Pass	H
8047.27	148	116	-43.11	-13	-30.11	Pass	H
1235.28	153	77	-57.27	-13	-44.27	Pass	V
1450.54	151	94	-55.34	-13	-42.34	Pass	V
3579.10	150	197	-51.96	-13	-38.96	Pass	V
3745.91	151	106	-53.19	-13	-40.19	Pass	V
5758.17	154	279	-47.87	-13	-34.87	Pass	V
6567.86	153	268	-43.19	-13	-30.19	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.
1421.70	154	188	-59.20	-13	-46.20	Pass	H
1635.89	154	127	-44.14	-13	-31.14	Pass	H
3907.35	153	188	-48.25	-13	-35.25	Pass	H
5931.57	151	210	-46.91	-13	-33.91	Pass	H
6502.98	148	192	-42.69	-13	-29.69	Pass	H
8035.02	148	49	-40.08	-13	-27.08	Pass	H
1128.45	148	356	-55.05	-13	-42.05	Pass	V
1409.01	149	299	-58.34	-13	-45.34	Pass	V
3616.17	148	269	-53.76	-13	-40.76	Pass	V
3958.37	150	358	-53.38	-13	-40.38	Pass	V
5882.12	149	230	-44.75	-13	-31.75	Pass	V
6609.97	150	128	-49.71	-13	-36.71	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.
1398.19	145	326	-53.44	-13	-40.44	Pass	H
1700.77	151	56	-48.83	-13	-35.83	Pass	H
3878.68	149	187	-46.48	-13	-33.48	Pass	H
5954.66	151	24	-38.62	-13	-25.62	Pass	H
6550.96	146	125	-44.48	-13	-31.48	Pass	H
8105.15	154	158	-48.12	-13	-35.12	Pass	H
1278.62	147	298	-56.35	-13	-43.35	Pass	V
1361.03	153	212	-55.88	-13	-42.88	Pass	V
3492.97	148	187	-51.43	-13	-38.43	Pass	V
3790.40	147	204	-47.47	-13	-34.47	Pass	V
5834.29	146	307	-40.49	-13	-27.49	Pass	V
6608.11	148	89	-45.48	-13	-32.48	Pass	V

Band 7 21425 channel/BW 5 (highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1400.27	146	170	-52.04	-13	-39.04	Pass	H
1694.82	151	58	-49.59	-13	-36.59	Pass	H
3812.80	151	11	-44.77	-13	-31.77	Pass	H
5896.12	153	136	-42.02	-13	-29.02	Pass	H
6538.80	153	218	-46.88	-13	-33.88	Pass	H
7998.28	151	267	-38.81	-13	-25.81	Pass	H
1236.12	149	48	-53.67	-13	-40.67	Pass	V
1387.60	150	65	-56.81	-13	-43.81	Pass	V
3611.57	151	352	-47.45	-13	-34.45	Pass	V
3901.66	146	24	-48.43	-13	-35.43	Pass	V
5787.24	153	54	-50.16	-13	-37.16	Pass	V
6555.62	148	135	-49.81	-13	-36.81	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.
1248.46	145	229	-52.96	-13	-39.96	Pass	H
1787.50	155	79	-53.16	-13	-40.16	Pass	H
3965.32	153	12	-51.48	-13	-38.48	Pass	H
5947.26	153	9	-47.41	-13	-34.41	Pass	H
6465.58	145	171	-44.23	-13	-31.23	Pass	H
8005.44	154	148	-47.72	-13	-34.72	Pass	H
1241.43	145	37	-55.16	-13	-42.16	Pass	V
1458.52	152	343	-52.22	-13	-39.22	Pass	V
3561.71	155	208	-50.73	-13	-37.73	Pass	V
3758.51	149	67	-48.83	-13	-35.83	Pass	V
5732.76	153	32	-44.04	-13	-31.04	Pass	V
6513.15	151	260	-49.65	-13	-36.65	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.
1295.95	147	290	-54.96	-13	-41.96	Pass	H
1650.56	148	294	-51.51	-13	-38.51	Pass	H
3841.61	151	97	-45.49	-13	-32.49	Pass	H
5846.12	151	160	-45.26	-13	-32.26	Pass	H
6479.36	151	42	-46.73	-13	-33.73	Pass	H
8055.66	154	61	-44.00	-13	-31.00	Pass	H
1274.84	153	81	-52.87	-13	-39.87	Pass	V
1418.65	154	290	-65.54	-13	-52.54	Pass	V
3554.78	151	72	-54.29	-13	-41.29	Pass	V
3821.56	146	303	-56.13	-13	-43.13	Pass	V
5815.27	153	135	-54.78	-13	-41.78	Pass	V
6462.38	147	171	-44.91	-13	-31.91	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.
1243.94	149	194	-56.28	-13	-43.28	Pass	H
1589.56	154	243	-52.70	-13	-39.70	Pass	H
3768.21	148	103	-47.30	-13	-34.30	Pass	H
5865.11	146	85	-40.39	-13	-27.39	Pass	H
6435.89	150	202	-44.22	-13	-31.22	Pass	H
7927.01	150	257	-48.44	-13	-35.44	Pass	H
1165.70	146	59	-56.55	-13	-43.55	Pass	V
1330.68	148	211	-52.33	-13	-39.33	Pass	V
3511.67	150	305	-54.06	-13	-41.06	Pass	V
3856.26	151	115	-49.69	-13	-36.69	Pass	V
5721.62	146	312	-47.08	-13	-34.08	Pass	V
6511.71	147	113	-44.01	-13	-31.01	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.
1329.21	143	97	-55.38	-13	-42.38	Pass	H
1774.83	143	18	-47.31	-13	-34.31	Pass	H
3988.89	156	350	-45.00	-13	-32.00	Pass	H
5860.02	145	200	-43.07	-13	-30.07	Pass	H
6435.90	159	101	-44.83	-13	-31.83	Pass	H
8125.08	153	194	-41.94	-13	-28.94	Pass	H
1288.74	159	201	-55.05	-13	-42.05	Pass	V
1374.60	158	157	-58.85	-13	-45.85	Pass	V
3571.84	157	224	-51.07	-13	-38.07	Pass	V
3763.87	153	349	-51.06	-13	-38.06	Pass	V
5754.87	157	98	-50.45	-13	-37.45	Pass	V
6614.84	145	21	-49.35	-13	-36.35	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.
1372.67	150	48	-56.51	-13	-43.51	Pass	H
1740.57	146	140	-50.73	-13	-37.73	Pass	H
3974.04	150	10	-53.03	-13	-40.03	Pass	H
5847.74	146	296	-43.79	-13	-30.79	Pass	H
6397.85	149	233	-48.60	-13	-35.60	Pass	H
8084.24	151	260	-49.49	-13	-36.49	Pass	H
1181.48	149	145	-53.51	-13	-40.51	Pass	V
1465.43	148	166	-59.05	-13	-46.05	Pass	V
3550.98	147	96	-55.36	-13	-42.36	Pass	V
3872.90	148	243	-52.62	-13	-39.62	Pass	V
5742.47	150	216	-46.32	-13	-33.32	Pass	V
6453.31	150	251	-49.39	-13	-36.39	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.
1304.31	154	238	-57.59	-13	-44.59	Pass	H
1586.21	151	118	-54.82	-13	-41.82	Pass	H
3888.87	148	6	-48.55	-13	-35.55	Pass	H
5841.59	149	137	-42.99	-13	-29.99	Pass	H
6555.24	150	8	-39.86	-13	-26.86	Pass	H
7923.91	155	38	-46.00	-13	-33.00	Pass	H
1330.95	146	356	-57.60	-13	-44.60	Pass	V
1366.42	151	78	-54.73	-13	-41.73	Pass	V
3477.72	147	54	-50.27	-13	-37.27	Pass	V
3849.84	150	92	-45.78	-13	-32.78	Pass	V
5829.86	152	219	-40.64	-13	-27.64	Pass	V
6504.22	154	8	-50.42	-13	-37.42	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.
1432.54	145	232	-60.92	-13	-47.92	Pass	H
1702.24	153	187	-47.76	-13	-34.76	Pass	H
3786.58	153	103	-48.12	-13	-35.12	Pass	H
5893.61	146	76	-45.93	-13	-32.93	Pass	H
6630.66	147	87	-46.33	-13	-33.33	Pass	H
7911.03	150	99	-41.90	-13	-28.90	Pass	H
1255.96	151	129	-52.59	-13	-39.59	Pass	V
1501.39	154	335	-56.51	-13	-43.51	Pass	V
3576.36	152	353	-54.27	-13	-41.27	Pass	V
3856.78	147	104	-51.92	-13	-38.92	Pass	V
5931.64	148	147	-46.52	-13	-33.52	Pass	V
6509.19	155	4	-49.92	-13	-36.92	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.
1336.92	146	304	-52.38	-13	-41.45	Pass	H
1701.98	151	327	-47.39	-13	-37.85	Pass	H
3760.07	147	108	-45.48	-13	-35.2	Pass	H
5886.93	151	165	-41.59	-13	-30.39	Pass	H
6530.19	155	44	-45.25	-13	-32.24	Pass	H
7997.73	151	250	-40.90	-13	-30.22	Pass	H
1116.09	148	291	-55.71	-13	-44.9	Pass	V
1340.87	153	306	-58.61	-13	-43.63	Pass	V
3538.48	146	202	-51.58	-13	-35.94	Pass	V
3867.64	148	318	-47.80	-13	-36.01	Pass	V
5796.01	155	332	-46.24	-13	-33.75	Pass	V
6441.23	151	169	-46.05	-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.
1321.53	145	302	-54.40	-13	-41.40	Pass	H
1611.19	145	349	-46.20	-13	-33.20	Pass	H
3934.45	146	137	-41.34	-13	-28.34	Pass	H
5896.09	150	67	-42.49	-13	-29.49	Pass	H
6550.57	155	95	-37.44	-13	-24.44	Pass	H
8050.75	150	181	-47.21	-13	-34.21	Pass	H
1191.61	151	178	-57.01	-13	-44.01	Pass	V
1469.06	153	267	-60.36	-13	-47.36	Pass	V
3511.07	147	0	-47.64	-13	-34.64	Pass	V
3861.32	154	322	-50.68	-13	-37.68	Pass	V
5881.46	155	206	-45.14	-13	-32.14	Pass	V
6533.42	151	71	-46.68	-13	-33.68	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.
1399.22	153	207	-53.72	-25	-28.72	Pass	H
1663.32	146	347	-52.68	-25	-27.68	Pass	H
3845.32	150	187	-44.18	-25	-19.18	Pass	H
5866.33	148	341	-41.88	-25	-16.88	Pass	H
6462.17	153	333	-40.22	-25	-15.22	Pass	H
7998.93	152	91	-46.05	-25	-21.05	Pass	H
1179.47	155	51	-54.93	-25	-29.93	Pass	V
1399.70	150	233	-57.90	-25	-32.90	Pass	V
3566.65	152	186	-48.36	-25	-23.36	Pass	V
3881.82	146	214	-47.25	-25	-22.25	Pass	V
5726.92	152	251	-48.01	-25	-23.01	Pass	V
6471.69	147	227	-48.92	-25	-23.92	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.
1395.82	151	214	-58.47	-25	-33.47	Pass	H
1710.92	147	227	-44.96	-25	-19.96	Pass	H
3952.12	146	28	-48.93	-25	-23.93	Pass	H
5914.75	154	336	-39.42	-25	-14.42	Pass	H
6564.94	145	5	-39.77	-25	-14.77	Pass	H
8070.56	151	121	-41.55	-25	-16.55	Pass	H
1246.32	153	190	-54.21	-25	-29.21	Pass	V
1405.58	146	109	-58.25	-25	-33.25	Pass	V
3502.01	151	78	-50.82	-25	-25.82	Pass	V
3771.53	147	76	-47.13	-25	-22.13	Pass	V
5819.19	154	286	-50.13	-25	-25.13	Pass	V
6552.97	149	2	-48.12	-25	-23.12	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.
1298.55	150	175	-53.23	-25	-28.23	Pass	H
1711.63	146	26	-52.57	-25	-27.57	Pass	H
3888.71	150	101	-47.22	-25	-22.22	Pass	H
5821.02	155	136	-46.79	-25	-21.79	Pass	H
6540.04	154	225	-41.09	-25	-16.09	Pass	H
8139.83	150	307	-46.30	-25	-21.30	Pass	H
1254.86	152	327	-57.42	-25	-32.42	Pass	V
1432.77	152	104	-55.38	-25	-30.38	Pass	V
3526.73	151	70	-46.99	-25	-21.99	Pass	V
3749.75	154	261	-50.92	-25	-25.92	Pass	V
5897.26	154	87	-44.41	-25	-19.41	Pass	V
6626.19	147	147	-49.84	-25	-24.84	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.
1422.93	154	282	-54.36	-25	-29.36	Pass	H
1775.60	147	186	-46.30	-25	-21.30	Pass	H
3835.12	153	311	-45.79	-25	-20.79	Pass	H
5938.58	147	332	-41.96	-25	-16.96	Pass	H
6462.69	152	117	-45.80	-25	-20.80	Pass	H
7991.94	153	127	-44.82	-25	-19.82	Pass	H
1135.13	148	359	-52.65	-25	-27.65	Pass	V
1524.76	147	5	-55.65	-25	-30.65	Pass	V
3541.09	149	147	-54.91	-25	-29.91	Pass	V
3785.93	148	288	-52.37	-25	-27.37	Pass	V
5703.20	153	292	-43.60	-25	-18.60	Pass	V
6505.22	152	50	-44.53	-25	-19.53	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.
1270.38	155	41	-55.13	-25	-30.13	Pass	H
1685.21	147	328	-43.65	-25	-18.65	Pass	H
3984.02	154	173	-40.23	-25	-15.23	Pass	H
5922.89	152	139	-43.05	-25	-18.05	Pass	H
6542.00	149	214	-45.58	-25	-20.58	Pass	H
8048.96	148	91	-41.48	-25	-16.48	Pass	H
1106.05	154	47	-54.02	-25	-29.02	Pass	V
1530.91	146	10	-55.90	-25	-30.90	Pass	V
3488.66	151	92	-47.22	-25	-22.22	Pass	V
3760.39	145	30	-46.56	-25	-21.56	Pass	V
5708.42	151	242	-49.76	-25	-24.76	Pass	V
6475.28	151	310	-41.90	-25	-16.90	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.
1325.47	149	186	-59.44	-25	-34.44	Pass	H
1705.95	146	326	-48.80	-25	-23.80	Pass	H
3976.26	146	315	-43.26	-25	-18.26	Pass	H
5847.76	153	302	-43.41	-25	-18.41	Pass	H
6560.00	154	345	-40.31	-25	-15.31	Pass	H
8064.92	154	331	-45.70	-25	-20.70	Pass	H
1113.46	149	288	-56.30	-25	-31.30	Pass	V
1537.72	148	360	-54.38	-25	-29.38	Pass	V
3516.60	146	26	-52.58	-25	-27.58	Pass	V
3751.48	145	314	-52.22	-25	-27.22	Pass	V
5858.40	147	252	-43.17	-25	-18.17	Pass	V
6631.11	146	143	-49.60	-25	-24.60	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.
1235.91	142	349	-58.30	-13	-45.30	Pass	H
1668.94	156	70	-49.69	-13	-36.69	Pass	H
3859.36	145	175	-46.39	-13	-33.39	Pass	H
5848.47	140	162	-45.54	-13	-32.54	Pass	H
6451.67	154	322	-44.64	-13	-31.64	Pass	H
8067.13	150	309	-44.61	-13	-31.61	Pass	H
1109.90	140	236	-54.14	-13	-41.14	Pass	V
1559.72	151	31	-59.47	-13	-46.47	Pass	V
3544.97	141	255	-48.77	-13	-35.77	Pass	V
3883.68	158	317	-51.96	-13	-38.96	Pass	V
5876.48	144	108	-50.67	-13	-37.67	Pass	V
6596.18	142	46	-46.87	-13	-33.87	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.
1334.41	150	16	-57.04	-13	-44.04	Pass	H
1620.08	146	171	-51.07	-13	-38.07	Pass	H
3804.14	150	120	-50.67	-13	-37.67	Pass	H
5864.08	146	232	-46.63	-13	-33.63	Pass	H
6513.65	149	46	-49.92	-13	-36.92	Pass	H
7979.09	151	201	-46.47	-13	-33.47	Pass	H
1321.22	149	179	-55.70	-13	-42.70	Pass	V
1457.43	148	153	-57.29	-13	-44.29	Pass	V
3583.12	147	93	-53.99	-13	-40.99	Pass	V
3933.91	148	191	-50.57	-13	-37.57	Pass	V
5804.39	150	43	-50.69	-13	-37.69	Pass	V
6538.88	150	46	-46.64	-13	-33.64	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.
1286.07	152	56	-59.47	-13	-46.47	Pass	H
1627.15	154	254	-53.05	-13	-40.05	Pass	H
3849.25	149	158	-48.07	-13	-35.07	Pass	H
5883.58	150	35	-42.03	-13	-29.03	Pass	H
6443.40	146	2	-44.60	-13	-31.60	Pass	H
8068.12	154	94	-43.62	-13	-30.62	Pass	H
1326.45	149	158	-53.51	-13	-40.51	Pass	V
1418.51	152	96	-53.96	-13	-40.96	Pass	V
3466.23	150	118	-50.72	-13	-37.72	Pass	V
3997.57	155	35	-48.00	-13	-35.00	Pass	V
5861.50	147	170	-42.85	-13	-29.85	Pass	V
6632.23	145	78	-48.05	-13	-35.05	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.
1292.21	150	167	-61.58	-13	-48.58	Pass	H
1757.29	145	70	-46.37	-13	-33.37	Pass	H
3773.69	151	121	-46.79	-13	-33.79	Pass	H
5957.36	148	156	-43.69	-13	-30.69	Pass	H
6478.59	146	145	-44.40	-13	-31.40	Pass	H
7989.46	145	183	-44.48	-13	-31.48	Pass	H
1083.47	150	121	-52.11	-13	-39.11	Pass	V
1430.17	153	253	-57.38	-13	-44.38	Pass	V
3532.96	147	252	-51.34	-13	-38.34	Pass	V
3830.80	145	7	-50.98	-13	-37.98	Pass	V
5847.08	155	99	-44.71	-13	-31.71	Pass	V
6564.07	153	101	-49.81	-13	-36.81	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.
1412.37	145	171	-50.77	-13	-41.45	Pass	H
1686.80	154	142	-47.16	-13	-37.85	Pass	H
3881.29	150	289	-46.19	-13	-35.2	Pass	H
5923.74	149	341	-39.97	-13	-30.39	Pass	H
6514.11	147	222	-47.14	-13	-32.24	Pass	H
8109.40	151	45	-40.32	-13	-30.22	Pass	H
1167.27	153	342	-59.11	-13	-44.9	Pass	V
1387.51	155	279	-54.39	-13	-43.63	Pass	V
3456.98	149	264	-48.69	-13	-35.94	Pass	V
3901.75	154	306	-50.42	-13	-36.01	Pass	V
5742.72	147	320	-47.81	-13	-33.75	Pass	V
6540.95	153	49	-42.10	-13	-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.
1391.77	150	38	-54.97	-13	-41.97	Pass	H
1675.57	148	189	-50.71	-13	-37.71	Pass	H
3878.54	148	35	-45.68	-13	-32.68	Pass	H
5885.53	151	52	-44.95	-13	-31.95	Pass	H
6444.28	148	79	-39.73	-13	-26.73	Pass	H
8160.81	153	135	-46.45	-13	-33.45	Pass	H
1228.20	150	312	-52.95	-13	-39.95	Pass	V
1449.50	148	43	-59.71	-13	-46.71	Pass	V
3487.85	155	316	-48.93	-13	-35.93	Pass	V
3909.31	146	350	-47.77	-13	-34.77	Pass	V
5724.25	147	16	-47.56	-13	-34.56	Pass	V
6638.17	148	316	-48.06	-13	-35.06	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 25 26047 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1334.26	143	289	-58.10	-13	-45.10	Pass	H
1716.75	150	288	-50.66	-13	-37.66	Pass	H
3881.37	149	159	-46.77	-13	-33.77	Pass	H
5969.50	153	310	-43.19	-13	-30.19	Pass	H
6570.44	148	237	-43.38	-13	-30.38	Pass	H
8054.46	153	359	-42.67	-13	-29.67	Pass	H
1133.67	149	329	-53.12	-13	-40.12	Pass	V
1458.64	158	159	-58.16	-13	-45.16	Pass	V
3508.22	149	359	-52.75	-13	-39.75	Pass	V
3886.97	141	89	-50.44	-13	-37.44	Pass	V
5726.60	149	199	-49.78	-13	-36.78	Pass	V
6592.60	146	304	-48.81	-13	-35.81	Pass	V
Band 25 26365 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1243.09	150	33	-53.41	-13	-40.41	Pass	H
1775.64	146	316	-49.35	-13	-36.35	Pass	H
3884.92	150	181	-49.45	-13	-36.45	Pass	H
5930.96	146	103	-43.40	-13	-30.40	Pass	H
6424.13	149	269	-49.20	-13	-36.20	Pass	H
7986.06	151	228	-49.92	-13	-36.92	Pass	H
1231.34	149	215	-54.67	-13	-41.67	Pass	V
1448.97	148	28	-61.54	-13	-48.54	Pass	V
3596.80	147	257	-53.87	-13	-40.87	Pass	V
3972.91	148	34	-51.83	-13	-38.83	Pass	V
5743.76	150	337	-46.32	-13	-33.32	Pass	V
6516.83	150	108	-48.16	-13	-35.16	Pass	V

Band 25 26683 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1385.55	152	166	-56.92	-13	-43.92	Pass	H
1752.70	146	139	-49.24	-13	-36.24	Pass	H
3746.24	153	251	-44.32	-13	-31.32	Pass	H
5844.55	147	310	-40.33	-13	-27.33	Pass	H
6598.59	154	199	-43.96	-13	-30.96	Pass	H
7949.13	149	351	-46.88	-13	-33.88	Pass	H
1179.87	145	218	-56.56	-13	-43.56	Pass	V
1396.94	154	34	-57.33	-13	-44.33	Pass	V
3506.81	147	66	-55.03	-13	-42.03	Pass	V
3842.64	153	225	-45.66	-13	-32.66	Pass	V
5733.41	149	246	-41.42	-13	-28.42	Pass	V
6618.14	150	178	-45.29	-13	-32.29	Pass	V

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Band 25 26047 channel/BW1.4(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1419.65	148	202	-59.06	-13	-46.06	Pass	H
1646.79	153	202	-49.03	-13	-36.03	Pass	H
3864.29	147	317	-47.70	-13	-34.70	Pass	H
5981.80	149	212	-47.28	-13	-34.28	Pass	H
6590.63	148	355	-44.16	-13	-31.16	Pass	H
8018.83	149	243	-44.10	-13	-31.10	Pass	H
1277.19	155	45	-55.13	-13	-42.13	Pass	V
1359.98	154	326	-54.91	-13	-41.91	Pass	V
3525.13	154	360	-49.34	-13	-36.34	Pass	V
3936.14	148	280	-52.86	-13	-39.86	Pass	V
5795.25	147	250	-43.01	-13	-30.01	Pass	V
6556.16	153	166	-49.79	-13	-36.79	Pass	V

Band 25 26365 channel/BW1.4(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1292.47	155	90	-53.11	-13	-41.45	Pass	H
1745.28	149	208	-49.95	-13	-37.85	Pass	H
3779.55	145	244	-50.46	-13	-35.2	Pass	H
5892.75	155	95	-45.68	-13	-30.39	Pass	H
6568.75	146	358	-43.86	-13	-32.24	Pass	H
8038.60	152	43	-39.45	-13	-30.22	Pass	H
1225.41	151	109	-59.50	-13	-44.9	Pass	V
1318.40	147	23	-55.49	-13	-43.63	Pass	V
3464.31	151	178	-45.53	-13	-35.94	Pass	V
3804.53	149	130	-45.07	-13	-36.01	Pass	V
5781.52	147	82	-45.09	-13	-33.75	Pass	V
6498.21	149	162	-43.39	-13	-32.41	Pass	V

Band 25 26683 channel/BW1.4(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1366.27	146	334	-55.44	-13	-42.44	Pass	H
1643.30	151	256	-51.51	-13	-38.51	Pass	H
3830.19	154	125	-47.12	-13	-34.12	Pass	H
5985.37	147	182	-40.39	-13	-27.39	Pass	H
6445.68	153	323	-43.28	-13	-30.28	Pass	H
8144.03	146	206	-44.38	-13	-31.38	Pass	H
1296.39	155	346	-54.61	-13	-41.61	Pass	V
1390.10	148	250	-55.42	-13	-42.42	Pass	V
3494.31	154	294	-51.47	-13	-38.47	Pass	V
3816.80	147	71	-51.16	-13	-38.16	Pass	V
5882.67	148	183	-49.54	-13	-36.54	Pass	V
6635.13	150	151	-43.78	-13	-30.78	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 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.
1379.32	151	342	-57.52	-13	-44.52	Pass	H
1675.58	146	304	-44.74	-13	-31.74	Pass	H
3779.52	146	312	-50.96	-13	-37.96	Pass	H
5828.33	148	178	-43.83	-13	-30.83	Pass	H
6548.02	145	286	-45.67	-13	-32.67	Pass	H
8089.12	149	320	-42.58	-13	-29.58	Pass	H
1259.39	146	8	-52.17	-13	-39.17	Pass	V
1419.73	152	298	-58.48	-13	-45.48	Pass	V
3599.90	153	12	-49.47	-13	-36.47	Pass	V
3940.72	155	158	-48.93	-13	-35.93	Pass	V
5836.24	146	241	-45.01	-13	-32.01	Pass	V
6610.47	155	272	-50.08	-13	-37.08	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.
1355.45	151	111	-56.53	-13	-43.53	Pass	H
1792.25	147	16	-48.40	-13	-35.40	Pass	H
3910.18	146	199	-49.90	-13	-36.90	Pass	H
5846.18	147	7	-38.40	-13	-25.40	Pass	H
6455.99	146	55	-41.27	-13	-28.27	Pass	H
8092.08	153	339	-47.39	-13	-34.39	Pass	H
1179.03	152	145	-59.73	-13	-46.73	Pass	V
1337.67	153	85	-60.68	-13	-47.68	Pass	V
3543.31	153	105	-47.77	-13	-34.77	Pass	V
3875.74	148	148	-46.00	-13	-33.00	Pass	V
5722.90	151	26	-42.70	-13	-29.70	Pass	V
6450.09	155	50	-46.81	-13	-33.81	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.
1363.86	155	92	-54.06	-13	-41.06	Pass	H
1761.88	154	252	-48.95	-13	-35.95	Pass	H
3877.58	147	188	-40.67	-13	-27.67	Pass	H
5949.35	151	101	-41.65	-13	-28.65	Pass	H
6590.47	147	200	-41.40	-13	-28.40	Pass	H
8017.33	150	146	-41.99	-13	-28.99	Pass	H
1170.58	151	152	-53.92	-13	-40.92	Pass	V
1502.15	153	100	-52.81	-13	-39.81	Pass	V
3485.02	149	2	-53.15	-13	-40.15	Pass	V
3911.55	145	22	-46.09	-13	-33.09	Pass	V
5777.79	153	80	-48.76	-13	-35.76	Pass	V
6652.56	146	64	-48.07	-13	-35.07	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.
1370.63	147	221	-55.91	-13	-42.91	Pass	H
1733.68	146	198	-54.78	-13	-41.78	Pass	H
3927.35	148	188	-50.35	-13	-37.35	Pass	H
5850.45	147	353	-46.06	-13	-33.06	Pass	H
6476.41	148	207	-45.09	-13	-32.09	Pass	H
8063.88	146	96	-46.08	-13	-33.08	Pass	H
1205.28	149	110	-59.15	-13	-46.15	Pass	V
1382.13	155	343	-52.74	-13	-39.74	Pass	V
3671.16	151	4	-50.77	-13	-37.77	Pass	V
3900.68	147	194	-45.80	-13	-32.80	Pass	V
5841.19	148	201	-42.56	-13	-29.56	Pass	V
6615.20	145	262	-47.90	-13	-34.90	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.
1342.85	150	319	-58.80	-13	-45.80	Pass	H
1731.53	146	123	-56.70	-13	-43.70	Pass	H
3915.31	149	326	-49.92	-13	-36.92	Pass	H
5867.45	148	204	-44.94	-13	-31.94	Pass	H
6390.25	154	19	-50.44	-13	-37.44	Pass	H
7961.87	150	261	-46.98	-13	-33.98	Pass	H
1329.00	148	329	-51.22	-13	-38.22	Pass	V
1448.05	151	107	-59.79	-13	-46.79	Pass	V
3553.80	154	143	-50.46	-13	-37.46	Pass	V
3920.47	150	220	-53.18	-13	-40.18	Pass	V
5769.43	149	332	-50.16	-13	-37.16	Pass	V
6558.42	149	176	-51.64	-13	-38.64	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.
1276.96	150	308	-58.51	-13	-45.51	Pass	H
1589.16	148	193	-52.90	-13	-39.90	Pass	H
3789.33	148	48	-43.26	-13	-30.26	Pass	H
5883.79	145	146	-41.00	-13	-28.00	Pass	H
6470.51	150	75	-41.07	-13	-28.07	Pass	H
7918.38	149	191	-45.55	-13	-32.55	Pass	H
1171.73	154	65	-55.17	-13	-42.17	Pass	V
1322.31	147	105	-54.27	-13	-41.27	Pass	V
3468.78	152	114	-50.58	-13	-37.58	Pass	V
3818.46	155	119	-43.40	-13	-30.40	Pass	V
5718.13	154	219	-46.54	-13	-33.54	Pass	V
6509.31	145	210	-47.65	-13	-34.65	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-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1421.71	149	111	-57.62	-25	-32.62	Pass	H
1727.68	145	162	-48.63	-25	-23.63	Pass	H
3851.70	146	184	-43.40	-25	-18.40	Pass	H
5816.87	146	321	-38.98	-25	-13.98	Pass	H
6483.54	148	74	-40.73	-25	-15.73	Pass	H
7996.63	148	250	-46.18	-25	-21.18	Pass	H
1162.43	147	262	-53.70	-25	-28.70	Pass	V
1556.88	149	350	-60.66	-25	-35.66	Pass	V
3532.08	150	146	-49.77	-25	-24.77	Pass	V
3882.77	151	167	-50.97	-25	-25.97	Pass	V
5785.93	150	39	-44.30	-25	-19.30	Pass	V
6542.11	148	123	-49.14	-25	-24.14	Pass	V
Band 41 40740 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level (dBm)	Limit	Over Limit (dB)	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)		(dBm)			
1292.77	154	350	-58.27	-25	-33.27	Pass	H
1789.50	154	171	-46.72	-25	-21.72	Pass	H
3805.24	147	115	-43.95	-25	-18.95	Pass	H
5878.58	152	321	-43.49	-25	-18.49	Pass	H
6592.00	148	150	-43.83	-25	-18.83	Pass	H
8053.36	152	245	-41.72	-25	-16.72	Pass	H
1224.91	145	130	-53.44	-25	-28.44	Pass	V
1389.77	146	295	-58.51	-25	-33.51	Pass	V
3488.30	154	114	-49.67	-25	-24.67	Pass	V
3892.60	147	102	-49.60	-25	-24.60	Pass	V
5726.81	146	310	-44.65	-25	-19.65	Pass	V
6546.68	147	321	-45.15	-25	-20.15	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1313.92	153	195	-52.15	-25	-27.15	Pass	H
1699.12	150	31	-47.61	-25	-22.61	Pass	H
3898.78	149	257	-42.73	-25	-17.73	Pass	H
5809.71	152	319	-45.14	-25	-20.14	Pass	H
6436.84	148	173	-45.76	-25	-20.76	Pass	H
8015.97	150	331	-45.94	-25	-20.94	Pass	H
1219.58	148	168	-55.16	-25	-30.16	Pass	V
1537.25	152	291	-58.71	-25	-33.71	Pass	V
3484.31	152	28	-47.46	-25	-22.46	Pass	V
3755.10	151	93	-52.88	-25	-27.88	Pass	V
5804.59	154	88	-48.76	-25	-23.76	Pass	V
6582.61	152	9	-45.28	-25	-20.28	Pass	V
16QAM-B41							
Band 41 40265 channel/BW 5(lowest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1296.05	151	102	-56.19	-25	-31.19	Pass	H
1777.14	153	87	-49.05	-25	-24.05	Pass	H
3878.56	145	127	-44.90	-25	-19.90	Pass	H
5951.34	153	136	-45.69	-25	-20.69	Pass	H
6584.84	149	80	-43.44	-25	-18.44	Pass	H
8049.45	145	108	-45.46	-25	-20.46	Pass	H
1251.84	152	223	-54.30	-25	-29.30	Pass	V
1474.98	152	148	-55.61	-25	-30.61	Pass	V
3632.43	153	256	-52.47	-25	-27.47	Pass	V
3899.31	151	56	-53.90	-25	-28.90	Pass	V
5883.38	153	120	-46.71	-25	-21.71	Pass	V
6513.32	155	299	-50.58	-25	-25.58	Pass	V

Band 41 40740 channel/BW 5(middle channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1421.56	155	95	-52.13	-25	-27.13	Pass	H
1650.77	148	330	-43.45	-25	-18.45	Pass	H
3835.48	150	254	-43.50	-25	-18.50	Pass	H
5963.25	150	12	-40.96	-25	-15.96	Pass	H
6508.56	147	256	-41.92	-25	-16.92	Pass	H
8023.47	151	130	-45.93	-25	-20.93	Pass	H
1212.88	146	84	-51.47	-25	-26.47	Pass	V
1471.45	154	357	-55.34	-25	-30.34	Pass	V
3466.66	151	123	-52.81	-25	-27.81	Pass	V
3853.78	151	31	-48.83	-25	-23.83	Pass	V
5819.46	152	160	-44.07	-25	-19.07	Pass	V
6498.64	147	249	-45.15	-25	-20.15	Pass	V

Band 41 41215 channel/BW 5(highest channel)							
Frequency	Height	Azimuth	Spurious Emission Level	Limit	Over Limit	Result	Antenna Polaxis.
(MHz)	(cm)	(deg)	(dBm)	(dBm)	(dB)		
1418.31	148	227	-54.17	-25	-29.17	Pass	H
1670.57	148	118	-44.32	-25	-19.32	Pass	H
3836.84	151	177	-44.06	-25	-19.06	Pass	H
5870.75	150	203	-43.98	-25	-18.98	Pass	H
6548.04	154	220	-42.83	-25	-17.83	Pass	H
8052.00	154	209	-39.89	-25	-14.89	Pass	H
1213.11	148	135	-52.57	-25	-27.57	Pass	V
1536.72	155	353	-59.27	-25	-34.27	Pass	V
3468.15	148	346	-54.46	-25	-29.46	Pass	V
3829.37	148	150	-50.68	-25	-25.68	Pass	V
5880.04	149	206	-48.99	-25	-23.99	Pass	V
6573.72	147	302	-44.33	-25	-19.33	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 3.8V; Low Voltage LV=DC 3.42V; High Voltage HV=DC 4.18V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

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