



TEST REPORT

Product Name: Smartphone
FCC ID: 2BLI5-A35PRO
Trademark: PAGRAER
Model Number: A35 Pro, Note 50 Pro, P60 Pro, P50 Pro, Note30 Ultra, N20 Pro, GT3 Pro, Note 40 Pro, Note 12s, S24 Pro, S30 Pro, S35 Pro, M2 Pro, M3 Pro, A45 Pro, A60 Pro, A65 Pro, Hot 45 Pro, Hot 50 Pro, P65 Pro, A8 Pro, C50 Pro, C55 Pro, Note 55 Pro, Navo 7, Navo 8, Navo X, Pavo 40, Pavo 50
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Sample Received Date: Aug. 06, 2024
Sample tested Date: Aug. 06, 2024 to Sep. 21, 2024
Issue Date: Sep. 21, 2024
Report No.: CTB240820063RFX
Test Standards: FCC Part 2, 22, 24E, 27
Test Results: PASS
Remark: This is LTE radio test report.

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Approved by:



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

Test Report Declaration	Page
1. VERSION	3
2. TEST SUMMARY	4
3. MEASUREMENT UNCERTAINTY	5
4. PRODUCT INFORMATION AND TEST SETUP	6
4.1 Product Information	6
4.2 Test Setup Configuration	7
4.3 Support Equipment	7
4.4 Test Mode	7
4.5 Test Environment	7
5. TEST FACILITY AND TEST INSTRUMENT USED	8
5.1 Test Facility	8
5.2 Test Instrument Used	8
6. RF EXPOSURE	10
6.1 Standard Applicable	10
6.2 Test Result	10
7. RF OUTPUT POWER	11
7.1 Standard Applicable	11
7.2 Test Procedure	11
7.3 Summary of Test Results/Plots	11
8. PEAK-TO-AVERAGE RATIO (PAR) OF TRANSMITTER	12
8.1 Standard Applicable	12
8.2 Test Procedure	12
8.3 Summary of Test Results	12
9. EMISSION BANDWIDTH	13
9.1 Standard Applicable	13
9.2 Test Procedure	13
9.3 Summary of Test Results/Plots	13
10. OUT OF BAND EMISSIONS AT ANTENNA TERMINAL	14
10.1 Standard Applicable	14
10.2 Test Procedure	14
10.3 Summary of Test Results/Plots	15
11. SPURIOUS RADIATED EMISSIONS	16
11.1 Standard Applicable	16
11.2 Test Procedure	17
11.3 Summary of Test Results/Plots	17
12. FREQUENCY STABILITY	33
12.1 Standard Applicable	33
12.2 Test Procedure	33
12.3 Summary of Test Results/Plots	33

(Note: N/A means not applicable)

1. **VERSION**

Report No.	Issue Date	Description	Approved
CTB240820063RFX	Sep. 21, 2024	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Test Item	Test Requirement	Test method	Result
Conducted output power	Part 2.1046(a)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 22.913(a)(5)/Part27.50(h)(2)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 22.917(a)/Part 27.53(m) (4)	KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 22.917(a)/Part 27.53(m) (4)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 22.917(a)/Part 27.53(m) (4)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS

3. MEASUREMENT UNCERTAINTY

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

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

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model(s):	A35 Pro, Note 50 Pro, P60 Pro, P50 Pro, Note30 Ultra, N20 Pro, GT3 Pro, Note 40 Pro, Note 12s, S24 Pro, S30 Pro, S35 Pro, M2 Pro, M3 Pro, A45 Pro, A60 Pro, A65 Pro, Hot 45 Pro, Hot 50 Pro, P65 Pro, A8 Pro, C50 Pro, C55 Pro, Note 55 Pro, Navo 7, Navo 8, Navo X, Pavo 40, Pavo 50
Model Description:	All the model are the same circuit and RF module, only the model names are different. Test sample model: A35 Pro
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	FDD-LTE BAND 4: 1710-1755MHz FDD-LTE BAND 5: 824-849MHz TDD-LTE BAND 38: 2570-2620MHz TDD-LTE BAND 40B: 2350-2360MHz TDD-LTE BAND 41: 2555-2655MHz
Max. RF output power:	FDD-LTE BAND 4: 22.17dBm FDD-LTE BAND 5: 23.55dBm TDD-LTE BAND 38: 22.93dBm TDD-LTE BAND 40B: 22.01dBm TDD-LTE BAND 41: 22.95dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Internal antenna
Antenna Gain:	FDD-LTE BAND 4: -0.04dBi FDD-LTE BAND 5: -0.98dBi TDD-LTE BAND 38: 0.54dBi TDD-LTE BAND 40B: 0.24dBi TDD-LTE BAND 41: 0.86dBi
Ratings:	ADAPTER: INPUT: 100-240V AC 50-60Hz 300mA OUTPUT: DC 5.0V=2.0A DC 3.85V by battery

4.2 Test Setup Configuration

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

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	ADAPTER	/	/	/	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 4	Low, Middle, High Channels
TM2	FDD-LTE BAND 5	Low, Middle, High Channels
TM3	TDD-LTE BAND 38	Low, Middle, High Channels
TM4	TDD-LTE BAND 40B	Low, Middle, High Channels
TM5	TDD-LTE BAND 41	Low, Middle, High Channels

4.5 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):NV	3.85V
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	40

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at 1&2F., Building A, No. 26, Xinh 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.

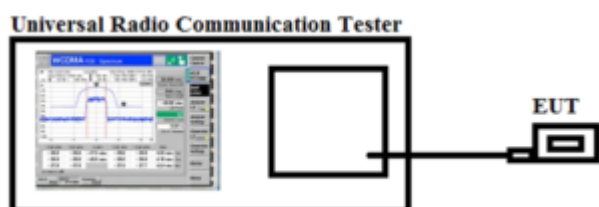
According to §24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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.

7.2 Test Procedure

Conducted output power test method:



Radiated power test method:

1. The setup of EUT is according with per ANSI/TIA Standard 603E and ANSI C63.26 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

7.3 Summary of Test Results/Plots

Please refer to Appendix 1: Conducted output power

Test result: Pass

8. PEAK-TO-AVERAGE RATIO (PAR) OF TRANSMITTER

8.1 Standard Applicable

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51, in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to §27.50(B), the peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal

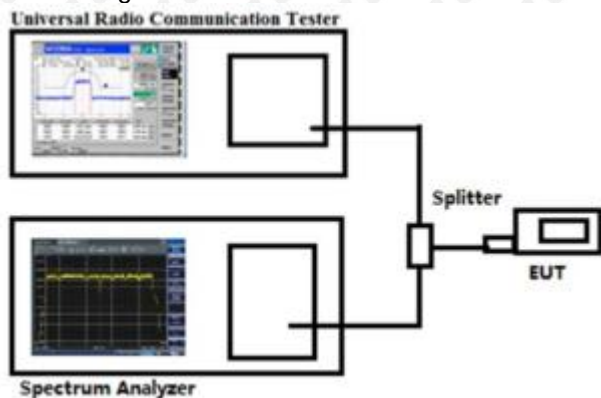
corresponding to the highest PAPR expected during periods of continuous transmission.

8.2 Test Procedure

According with KDB 971168

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Configuration for the emission bandwidth testing:



8.3 Summary of Test Results

Please refer to Appendix 3: Peak-to-Average Ratio

Test result: Pass

9. EMISSION BANDWIDTH

9.1 Standard Applicable

According to §22.917(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

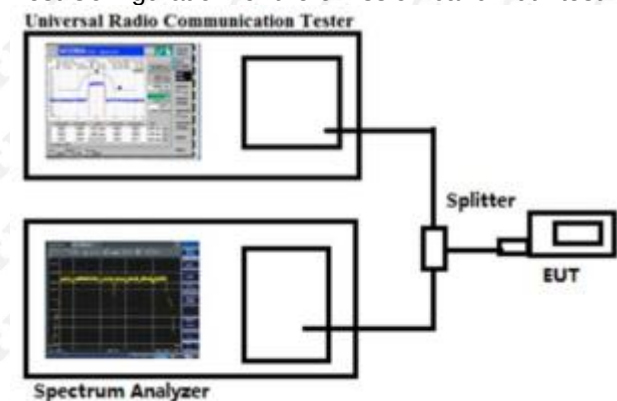
According to §24.238(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

According to §27.53, the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

9.2 Test Procedure

According to §22.917(b), the emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test Configuration for the emission bandwidth testing:



9.3 Summary of Test Results/Plots

Please refer to Appendix 4: 26dB Bandwidth and Occupied Bandwidth
Test result: Pass

10. OUT OF BAND EMISSIONS AT ANTENNA TERMINAL

10.1 Standard Applicable

According to §22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

According to §27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

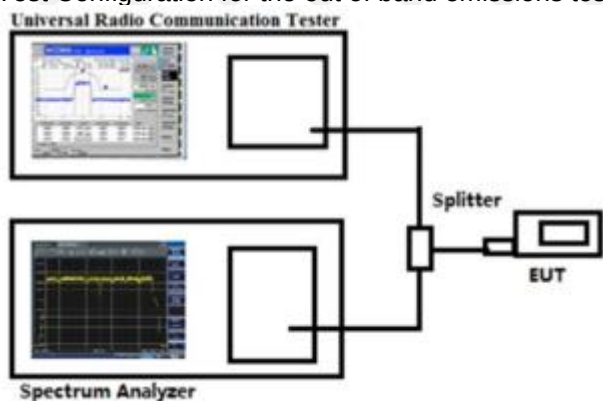
According to §27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

According to §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.

10.2 Test Procedure

The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 100kHz and 1MHz for the scan frequency from 30MHz to 1GHz and the scan frequency from 1GHz to up to 10 th harmonic.

Test Configuration for the out of band emissions testing:



10.3 Summary of Test Results/Plots

Please refer to Appendix 5 & 6: Band Edge & Conducted Spurious Emission

Test result: Pass

11. SPURIOUS RADIATED EMISSIONS

11.1 Standard Applicable

According to §22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

According to §27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

According to §27.53(g) the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

11.2 Test Procedure

1. The setup of EUT is according with per ANSI/TIA-603-E and ANSI C63.4-2014 measurement procedure.
 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
 3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
 4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.
- Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

11.3 Summary of Test Results/Plots

- Note: 1. this EUT was tested in 3 orthogonal positions and the worst case position data was reported.
2. All test modes (different bandwidth and different modulation) are performed, but only the worst case is recorded in this report.

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.
1361.73	147	90	-58.52	-13	-45.52	Pass	H
1736.52	142	81	-48.60	-13	-35.60	Pass	H
3970.02	152	299	-48.97	-13	-35.97	Pass	H
5933.09	145	48	-45.46	-13	-32.46	Pass	H
6600.20	154	340	-45.84	-13	-32.84	Pass	H
8067.03	142	295	-44.98	-13	-31.98	Pass	H
1168.51	148	324	-55.21	-13	-42.21	Pass	V
1391.64	141	118	-55.99	-13	-42.99	Pass	V
3598.83	143	178	-52.42	-13	-39.42	Pass	V
3796.66	158	66	-53.25	-13	-40.25	Pass	V
5731.05	159	227	-48.39	-13	-35.39	Pass	V
6619.00	156	357	-45.93	-13	-32.93	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.
1331.55	150	312	-53.98	-13	-40.98	Pass	H
1691.32	146	214	-53.11	-13	-40.11	Pass	H
3789.69	150	104	-49.43	-13	-36.43	Pass	H
5841.07	146	193	-47.33	-13	-34.33	Pass	H
6505.61	149	172	-48.34	-13	-35.34	Pass	H
7923.93	151	297	-48.77	-13	-35.77	Pass	H
1159.17	149	80	-54.02	-13	-41.02	Pass	V
1302.12	148	184	-58.73	-13	-45.73	Pass	V
3554.47	147	83	-56.87	-13	-43.87	Pass	V
3931.37	148	250	-49.70	-13	-36.70	Pass	V
5778.48	150	333	-45.72	-13	-32.72	Pass	V
6558.33	150	107	-51.19	-13	-38.19	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.
1351.84	149	112	-55.65	-13	-42.65	Pass	H
1592.05	152	256	-51.16	-13	-38.16	Pass	H
3912.01	154	53	-47.06	-13	-34.06	Pass	H
5983.61	148	129	-38.78	-13	-25.78	Pass	H
6619.41	152	195	-44.45	-13	-31.45	Pass	H
7919.72	146	213	-46.94	-13	-33.94	Pass	H
1299.06	152	314	-54.52	-13	-41.52	Pass	V
1304.12	148	299	-54.86	-13	-41.86	Pass	V
3568.11	154	97	-51.88	-13	-38.88	Pass	V
3841.36	148	266	-47.12	-13	-34.12	Pass	V
5860.68	155	160	-40.26	-13	-27.26	Pass	V
6630.47	148	162	-45.85	-13	-32.85	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.
1282.25	149	151	-57.26	-13	-44.26	Pass	H
1594.87	155	351	-48.76	-13	-35.76	Pass	H
3868.90	148	152	-49.91	-13	-36.91	Pass	H
5950.69	145	85	-45.49	-13	-32.49	Pass	H
6491.52	153	290	-43.29	-13	-30.29	Pass	H
8008.48	149	281	-45.27	-13	-32.27	Pass	H
1131.91	150	23	-51.34	-13	-38.34	Pass	V
1339.25	148	11	-55.89	-13	-42.89	Pass	V
3667.01	151	108	-53.64	-13	-40.64	Pass	V
3891.15	153	197	-50.65	-13	-37.65	Pass	V
5898.74	151	167	-46.56	-13	-33.56	Pass	V
6630.13	150	24	-51.33	-13	-38.33	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.
1380.26	152	201	-54.18	-13	-41.45	Pass	H
1808.10	152	355	-52.93	-13	-37.85	Pass	H
3777.34	150	254	-51.10	-13	-35.2	Pass	H
5971.82	150	142	-45.22	-13	-30.39	Pass	H
6496.06	149	167	-41.52	-13	-32.24	Pass	H
8029.91	152	187	-43.36	-13	-30.22	Pass	H
1241.59	150	80	-57.40	-13	-44.9	Pass	V
1454.50	151	270	-55.43	-13	-43.63	Pass	V
3588.91	146	276	-45.50	-13	-35.94	Pass	V
3779.95	152	95	-47.71	-13	-36.01	Pass	V
5872.08	147	169	-44.57	-13	-33.75	Pass	V
6462.91	153	249	-47.36	-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.
1321.98	155	226	-58.50	-13	-45.50	Pass	H
1672.22	147	129	-51.91	-13	-38.91	Pass	H
3889.83	150	253	-43.06	-13	-30.06	Pass	H
5976.61	154	136	-42.59	-13	-29.59	Pass	H
6523.59	148	215	-39.02	-13	-26.02	Pass	H
8046.31	153	58	-44.77	-13	-31.77	Pass	H
1281.06	146	162	-54.16	-13	-41.16	Pass	V
1426.04	153	39	-59.36	-13	-46.36	Pass	V
3493.17	149	227	-48.18	-13	-35.18	Pass	V
3895.61	153	125	-52.30	-13	-39.30	Pass	V
5874.49	146	172	-46.82	-13	-33.82	Pass	V
6569.39	154	234	-44.63	-13	-31.63	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 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.
1327.16	149	121	-58.69	-13	-45.69	Pass	H
1706.92	143	104	-50.30	-13	-37.30	Pass	H
3912.68	151	160	-46.93	-13	-33.93	Pass	H
5839.29	149	0	-42.73	-13	-29.73	Pass	H
6584.92	141	181	-45.58	-13	-32.58	Pass	H
8145.39	144	198	-43.83	-13	-30.83	Pass	H
1175.30	140	105	-56.60	-13	-43.60	Pass	V
1365.31	141	168	-56.91	-13	-43.91	Pass	V
3446.54	157	212	-50.96	-13	-37.96	Pass	V
3819.43	156	272	-53.13	-13	-40.13	Pass	V
5895.61	142	229	-48.15	-13	-35.15	Pass	V
6590.15	145	339	-45.82	-13	-32.82	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.
1386.60	150	142	-58.00	-13	-45.00	Pass	H
1617.18	146	299	-52.58	-13	-39.58	Pass	H
3970.19	150	250	-49.19	-13	-36.19	Pass	H
5794.74	146	119	-42.43	-13	-29.43	Pass	H
6361.94	149	69	-46.78	-13	-33.78	Pass	H
8120.59	151	266	-47.72	-13	-34.72	Pass	H
1186.33	149	61	-51.63	-13	-38.63	Pass	V
1481.68	148	257	-56.10	-13	-43.10	Pass	V
3498.21	147	88	-56.10	-13	-43.10	Pass	V
3850.86	148	166	-53.36	-13	-40.36	Pass	V
5752.88	150	89	-49.52	-13	-36.52	Pass	V
6543.81	150	349	-50.10	-13	-37.10	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.
1291.00	152	315	-53.88	-13	-40.88	Pass	H
1652.26	146	118	-53.39	-13	-40.39	Pass	H
3818.81	152	83	-46.83	-13	-33.83	Pass	H
5825.02	149	105	-43.11	-13	-30.11	Pass	H
6497.57	155	43	-44.98	-13	-31.98	Pass	H
7967.46	153	48	-43.39	-13	-30.39	Pass	H
1355.48	150	269	-57.57	-13	-44.57	Pass	V
1415.83	149	64	-58.91	-13	-45.91	Pass	V
3433.94	149	254	-51.11	-13	-38.11	Pass	V
3837.41	148	311	-46.00	-13	-33.00	Pass	V
5812.89	150	299	-45.52	-13	-32.52	Pass	V
6652.34	145	153	-46.37	-13	-33.37	Pass	V

16QAM

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.
1369.68	149	19	-56.39	-13	-43.39	Pass	H
1641.73	151	69	-49.79	-13	-36.79	Pass	H
3804.94	148	56	-50.73	-13	-37.73	Pass	H
5824.20	155	30	-46.76	-13	-33.76	Pass	H
6596.93	147	346	-43.34	-13	-30.34	Pass	H
8015.20	150	304	-44.45	-13	-31.45	Pass	H
1240.76	147	335	-50.36	-13	-37.36	Pass	V
1347.52	149	347	-57.97	-13	-44.97	Pass	V
3529.75	146	171	-52.49	-13	-39.49	Pass	V
3885.99	155	100	-51.19	-13	-38.19	Pass	V
5807.17	153	60	-42.78	-13	-29.78	Pass	V
6572.54	147	63	-48.80	-13	-35.80	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.
1326.24	151	325	-51.02	-13	-41.45	Pass	H
1752.09	148	178	-52.46	-13	-37.85	Pass	H
3842.63	151	224	-47.64	-13	-35.2	Pass	H
6020.81	151	161	-45.31	-13	-30.39	Pass	H
6512.05	147	357	-46.71	-13	-32.24	Pass	H
8110.22	148	18	-39.64	-13	-30.22	Pass	H
1112.09	151	193	-60.72	-13	-44.9	Pass	V
1392.43	154	222	-57.37	-13	-43.63	Pass	V
3498.55	152	54	-45.68	-13	-35.94	Pass	V
3938.97	152	279	-51.51	-13	-36.01	Pass	V
5828.69	147	295	-44.00	-13	-33.75	Pass	V
6435.82	153	198	-46.54	-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.
1353.60	149	272	-55.10	-13	-42.10	Pass	H
1671.84	152	301	-45.90	-13	-32.90	Pass	H
3892.80	154	141	-43.70	-13	-30.70	Pass	H
5983.67	155	338	-39.10	-13	-26.10	Pass	H
6516.41	154	283	-43.29	-13	-30.29	Pass	H
8153.22	149	259	-44.95	-13	-31.95	Pass	H
1177.40	146	198	-56.10	-13	-43.10	Pass	V
1366.70	149	149	-61.32	-13	-48.32	Pass	V
3519.61	152	273	-48.05	-13	-35.05	Pass	V
3788.79	153	295	-48.44	-13	-35.44	Pass	V
5804.14	149	247	-51.58	-13	-38.58	Pass	V
6575.93	147	95	-46.23	-13	-33.23	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 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.
1435.77	150	167	-52.91	-25	-27.91	Pass	H
1814.25	148	60	-50.29	-25	-25.29	Pass	H
3974.21	146	220	-52.90	-25	-27.90	Pass	H
5861.56	148	81	-44.42	-25	-19.42	Pass	H
6462.22	155	64	-51.32	-25	-26.32	Pass	H
8068.12	147	191	-44.70	-25	-19.70	Pass	H
1154.09	153	34	-56.57	-25	-31.57	Pass	V
1506.92	153	218	-54.93	-25	-29.93	Pass	V
3503.03	152	286	-47.03	-25	-22.03	Pass	V
3911.26	152	321	-53.07	-25	-28.07	Pass	V
5729.48	147	233	-42.29	-25	-17.29	Pass	V
6513.52	146	6	-49.33	-25	-24.33	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.
1235.25	155	201	-57.57	-25	-32.57	Pass	H
1626.60	154	292	-48.22	-25	-23.22	Pass	H
3801.83	153	116	-49.67	-25	-24.67	Pass	H
5758.85	150	331	-47.05	-25	-22.05	Pass	H
6398.52	146	332	-45.75	-25	-20.75	Pass	H
7897.75	145	102	-48.84	-25	-23.84	Pass	H
1121.29	155	322	-57.03	-25	-32.03	Pass	V
1340.17	152	158	-57.16	-25	-32.16	Pass	V
3470.62	151	155	-47.01	-25	-22.01	Pass	V
3738.35	148	334	-52.85	-25	-27.85	Pass	V
5703.51	154	69	-47.98	-25	-22.98	Pass	V
6454.30	150	200	-49.62	-25	-24.62	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.
1282.08	152	57	-56.45	-25	-31.45	Pass	H
1696.40	151	133	-50.23	-25	-25.23	Pass	H
3887.56	146	194	-49.07	-25	-24.07	Pass	H
5911.76	148	31	-41.97	-25	-16.97	Pass	H
6471.15	149	108	-40.40	-25	-15.40	Pass	H
8060.98	154	355	-47.17	-25	-22.17	Pass	H
1162.04	148	305	-60.97	-25	-35.97	Pass	V
1382.60	146	216	-60.72	-25	-35.72	Pass	V
3629.33	151	35	-54.89	-25	-29.89	Pass	V
3831.93	153	150	-48.33	-25	-23.33	Pass	V
5740.71	154	124	-41.89	-25	-16.89	Pass	V
6632.73	148	42	-51.98	-25	-26.98	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.
1330.47	153	178	-56.06	-25	-31.06	Pass	H
1674.80	150	146	-52.56	-25	-27.56	Pass	H
3974.88	154	357	-45.41	-25	-20.41	Pass	H
5907.84	154	60	-44.38	-25	-19.38	Pass	H
6403.57	150	26	-41.07	-25	-16.07	Pass	H
7927.04	151	291	-42.02	-25	-17.02	Pass	H
1174.33	147	186	-61.54	-25	-36.54	Pass	V
1390.79	155	217	-57.16	-25	-32.16	Pass	V
3548.24	152	123	-46.92	-25	-21.92	Pass	V
3788.51	151	264	-46.06	-25	-21.06	Pass	V
5814.32	154	206	-49.08	-25	-24.08	Pass	V
6640.23	154	118	-50.97	-25	-25.97	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.
1425.55	154	327	-53.97	-25	-28.97	Pass	H
1785.87	150	18	-50.23	-25	-25.23	Pass	H
3892.70	151	29	-50.74	-25	-25.74	Pass	H
5804.23	148	50	-46.50	-25	-21.50	Pass	H
6564.23	149	197	-48.62	-25	-23.62	Pass	H
7947.28	149	141	-39.05	-25	-14.05	Pass	H
1200.15	150	224	-59.61	-25	-34.61	Pass	V
1489.48	150	298	-61.56	-25	-36.56	Pass	V
3573.69	148	233	-55.43	-25	-30.43	Pass	V
3826.98	145	158	-49.01	-25	-24.01	Pass	V
5783.75	145	355	-45.86	-25	-20.86	Pass	V
6621.04	148	316	-47.61	-25	-22.61	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.
1298.12	149	64	-54.46	-25	-29.46	Pass	H
1797.20	152	170	-46.30	-25	-21.30	Pass	H
3960.74	148	109	-50.86	-25	-25.86	Pass	H
5932.35	146	63	-47.93	-25	-22.93	Pass	H
6419.00	154	100	-47.29	-25	-22.29	Pass	H
8009.65	154	151	-48.55	-25	-23.55	Pass	H
1318.83	150	316	-61.32	-25	-36.32	Pass	V
1482.19	148	300	-59.47	-25	-34.47	Pass	V
3532.85	145	72	-46.10	-25	-21.10	Pass	V
3794.25	150	52	-55.03	-25	-30.03	Pass	V
5890.78	147	152	-48.98	-25	-23.98	Pass	V
6529.90	149	208	-51.20	-25	-26.20	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.

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.
1345.00	150	307	-52.80	-40	-12.80	Pass	H
1644.80	145	30	-51.07	-40	-11.07	Pass	H
3754.98	149	267	-48.51	-40	-8.51	Pass	H
5837.65	151	227	-45.01	-40	-5.01	Pass	H
6453.70	154	13	-48.05	-40	-8.05	Pass	H
8137.22	151	10	-45.15	-40	-5.15	Pass	H
1162.68	147	65	-55.85	-40	-15.85	Pass	V
1378.07	151	161	-60.08	-40	-20.08	Pass	V
3505.73	148	230	-48.71	-40	-8.71	Pass	V
3763.90	153	165	-50.82	-40	-10.82	Pass	V
5889.23	150	168	-46.24	-40	-6.24	Pass	V
6456.64	147	337	-44.65	-40	-4.65	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.
1312.67	145	315	-57.87	-40	-17.87	Pass	H
1776.36	152	63	-48.92	-40	-8.92	Pass	H
3785.59	153	164	-50.43	-40	-10.43	Pass	H
5963.53	146	27	-45.63	-40	-5.63	Pass	H
6464.05	150	119	-46.96	-40	-6.96	Pass	H
8095.56	154	52	-45.34	-40	-5.34	Pass	H
1130.49	149	234	-56.14	-40	-16.14	Pass	V
1416.90	146	64	-60.47	-40	-20.47	Pass	V
3485.55	152	215	-50.83	-40	-10.83	Pass	V
3871.33	146	284	-51.45	-40	-11.45	Pass	V
5782.22	146	74	-48.64	-40	-8.64	Pass	V
6499.38	151	336	-44.75	-40	-4.75	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.
1424.88	147	164	-58.82	-40	-18.82	Pass	H
1707.29	145	66	-52.54	-40	-12.54	Pass	H
3875.60	147	189	-50.55	-40	-10.55	Pass	H
5838.12	155	194	-45.81	-40	-5.81	Pass	H
6544.58	150	124	-47.19	-40	-7.19	Pass	H
8076.76	146	137	-44.43	-40	-4.43	Pass	H
1258.39	152	192	-57.25	-40	-17.25	Pass	V
1302.95	154	135	-59.35	-40	-19.35	Pass	V
3484.75	148	15	-51.23	-40	-11.23	Pass	V
3945.03	147	111	-50.90	-40	-10.90	Pass	V
5899.32	152	187	-48.08	-40	-8.08	Pass	V
6558.84	146	95	-43.07	-40	-3.07	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.
1341.80	149	62	-52.89	-40	-12.89	Pass	H
1822.95	148	41	-48.64	-40	-8.64	Pass	H
3766.49	147	300	-48.85	-40	-8.85	Pass	H
5963.17	148	114	-46.54	-40	-6.54	Pass	H
6500.16	151	248	-49.26	-40	-9.26	Pass	H
8154.70	149	5	-44.79	-40	-4.79	Pass	H
1251.31	151	28	-57.31	-40	-17.31	Pass	V
1332.84	148	239	-60.13	-40	-20.13	Pass	V
3527.21	153	222	-51.26	-40	-11.26	Pass	V
3890.22	150	224	-49.33	-40	-9.33	Pass	V
5720.18	153	41	-49.12	-40	-9.12	Pass	V
6609.92	154	346	-46.78	-40	-6.78	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.
1322.21	145	155	-54.46	-40	-14.46	Pass	H
1707.03	146	40	-48.65	-40	-8.65	Pass	H
3902.10	145	292	-47.38	-40	-7.38	Pass	H
5964.11	146	145	-45.26	-40	-5.26	Pass	H
6451.62	146	305	-46.61	-40	-6.61	Pass	H
8103.54	145	305	-46.65	-40	-6.65	Pass	H
1117.46	145	124	-60.82	-40	-20.82	Pass	V
1310.06	145	332	-57.97	-40	-17.97	Pass	V
3615.38	146	76	-51.30	-40	-11.30	Pass	V
3913.47	145	165	-50.33	-40	-10.33	Pass	V
5861.53	146	16	-50.84	-40	-10.84	Pass	V
6498.36	146	246	-47.65	-40	-7.65	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.
1404.47	150	331	-52.59	-40	-12.59	Pass	H
1725.39	150	169	-49.29	-40	-9.29	Pass	H
3935.07	148	97	-48.07	-40	-8.07	Pass	H
5897.53	147	334	-48.86	-40	-8.86	Pass	H
6559.94	152	260	-47.05	-40	-7.05	Pass	H
7998.06	154	295	-46.83	-40	-6.83	Pass	H
1243.74	149	80	-56.34	-40	-16.34	Pass	V
1302.71	148	93	-59.50	-40	-19.50	Pass	V
3607.83	155	280	-49.88	-40	-9.88	Pass	V
3795.17	146	276	-49.24	-40	-9.24	Pass	V
5777.42	145	203	-50.96	-40	-10.96	Pass	V
6437.06	149	308	-45.93	-40	-5.93	Pass	V

Note:

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

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

QPSK-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.
1422.87	149	165	-55.61	-25	-30.61	Pass	H
1712.71	146	208	-47.22	-25	-22.22	Pass	H
3865.17	146	4	-49.44	-25	-24.44	Pass	H
5866.51	150	198	-40.69	-25	-15.69	Pass	H
6534.19	146	341	-45.70	-25	-20.70	Pass	H
8169.79	150	235	-43.60	-25	-18.60	Pass	H
1174.61	146	292	-55.50	-25	-30.50	Pass	V
1544.98	150	158	-56.23	-25	-31.23	Pass	V
3582.22	149	55	-54.58	-25	-29.58	Pass	V
3876.79	150	319	-46.57	-25	-21.57	Pass	V
5789.26	146	118	-43.12	-25	-18.12	Pass	V
6512.24	150	155	-48.26	-25	-23.26	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.
1361.84	149	165	-54.70	-25	-29.70	Pass	H
1742.23	146	208	-48.13	-25	-23.13	Pass	H
3916.99	146	4	-45.25	-25	-20.25	Pass	H
5796.59	150	198	-42.67	-25	-17.67	Pass	H
6481.80	146	341	-44.21	-25	-19.21	Pass	H
8150.23	150	235	-45.97	-25	-20.97	Pass	H
1115.51	146	292	-52.86	-25	-27.86	Pass	V
1426.54	150	158	-53.35	-25	-28.35	Pass	V
3612.64	149	55	-50.89	-25	-25.89	Pass	V
3771.85	150	319	-50.57	-25	-25.57	Pass	V
5891.29	146	118	-46.37	-25	-21.37	Pass	V
6490.34	150	155	-46.70	-25	-21.70	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.
1339.16	149	165	-54.10	-25	-29.10	Pass	H
1653.03	146	208	-52.35	-25	-27.35	Pass	H
3932.56	146	4	-46.91	-25	-21.91	Pass	H
5800.32	150	198	-40.30	-25	-15.30	Pass	H
6423.91	146	341	-47.19	-25	-22.19	Pass	H
8019.78	150	235	-45.61	-25	-20.61	Pass	H
1274.57	146	292	-56.09	-25	-31.09	Pass	V
1397.03	150	158	-56.07	-25	-31.07	Pass	V
3563.98	149	55	-52.36	-25	-27.36	Pass	V
3844.24	150	319	-52.25	-25	-27.25	Pass	V
5818.30	146	118	-47.98	-25	-22.98	Pass	V
6598.71	150	155	-45.75	-25	-20.75	Pass	V

16QAM

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.
1275.08	149	165	-54.20	-25	-29.20	Pass	H
1738.95	146	208	-48.68	-25	-23.68	Pass	H
3957.89	146	4	-47.37	-25	-22.37	Pass	H
5989.06	150	198	-40.89	-25	-15.89	Pass	H
6417.78	146	341	-40.54	-25	-15.54	Pass	H
8135.31	150	235	-42.87	-25	-17.87	Pass	H
1210.92	146	292	-52.13	-25	-27.13	Pass	V
1550.63	150	158	-58.46	-25	-33.46	Pass	V
3599.82	149	55	-52.14	-25	-27.14	Pass	V
3800.30	150	319	-52.99	-25	-27.99	Pass	V
5867.20	146	118	-46.16	-25	-21.16	Pass	V
6522.66	150	155	-49.39	-25	-24.39	Pass	V

and 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.
1322.40	153	169	-52.98	-25	-27.98	Pass	H
1721.32	148	251	-46.63	-25	-21.63	Pass	H
3858.32	154	26	-44.85	-25	-19.85	Pass	H
5873.91	146	325	-40.50	-25	-15.50	Pass	H
6562.87	152	328	-39.82	-25	-14.82	Pass	H
8032.33	151	68	-41.86	-25	-16.86	Pass	H
1276.29	152	336	-55.47	-25	-30.47	Pass	V
1506.76	154	114	-58.75	-25	-33.75	Pass	V
3547.07	152	75	-48.87	-25	-23.87	Pass	V
3860.70	155	187	-47.95	-25	-22.95	Pass	V
5713.54	151	248	-50.46	-25	-25.46	Pass	V
6533.62	152	98	-48.76	-25	-23.76	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.
1252.49	149	165	-54.00	-25	-29.00	Pass	H
1786.39	146	208	-47.66	-25	-22.66	Pass	H
3844.67	146	4	-41.34	-25	-16.34	Pass	H
5830.90	150	198	-38.36	-25	-13.36	Pass	H
6540.30	146	341	-42.94	-25	-17.94	Pass	H
8067.73	150	235	-45.32	-25	-20.32	Pass	H
1133.84	146	292	-54.70	-25	-29.70	Pass	V
1449.12	150	158	-55.28	-25	-30.28	Pass	V
3605.09	149	55	-54.88	-25	-29.88	Pass	V
3913.34	150	319	-47.79	-25	-22.79	Pass	V
5802.79	146	118	-43.46	-25	-18.46	Pass	V
6649.05	150	155	-48.44	-25	-23.44	Pass	V

Note:

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

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

12. FREQUENCY STABILITY

12.1 Standard Applicable

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

12.2 Test Procedure

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

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

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

12.3 Summary of Test Results/Plots

Note: 1.Normal Voltage NV=DC 3.85V; Low Voltage LV=DC 3.47V; High Voltage HV=DC 4.24V

Please refer to Appendix 2: Frequency Stability

Test result: Pass

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