

TEST REPORT

Report No.: SHATBL2412023W04

Applicant : Tersus GNSS Inc.

Product Name : GNSS Receiver

Brand Name : N/A

Model Name : LUKA

FCC ID : 2AMDJ-LUKA

Test Standard : 47 CFR Part 2,27

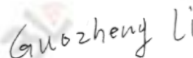
Date of Test : 2025.01.03-2025.04.25

Report Prepared by :



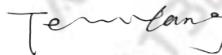
(Emily)

Report Approved by :



(Guozheng Li)

Authorized Signatory :



(Terry Yang)



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REVISION HISTORY

Rev.	Issue Date	Revisions	Revised by
00	2025.04.25	Initial Release	Guozheng Li

DECLARATION OF REPORT

1. The device has been tested by ATBL, and the test results show that the equipment under test (EUT) is in compliance with the requirements of 47 CFR Part 2,27. And it is applicable only to the tested sample identified in the report.

2. This report shall not be reproduced except in full, without the written approval of ATBL, this document only be altered or revised by ATBL, personal only, and shall be noted in the revision of the document.

3. The general information of EUT in this report is provided by the customer or manufacture, ATBL is only responsible for the test data but not for the information provided by the customer or manufacture.

4. The results in this report is only apply to the sample as tested under conditions. The customer or manufacturer is responsible for ensuring that the additional production units of this model have the same electrical and mechanical components.

SUMMARY OF TEST RESULT

Report Section	Standard Section	Test Item	Limit	Judgment	Remark
3.1	§2.1046	Conducted Output Power	EIRP < 2Watt	Report Only	--
3.2	§27.50(a)	Peak-to-Average Ratio	<13 dB	PASS	--
3.3	§2.1049	Occupied Bandwidth	-	Report Only	--
3.4	§27.53(m)(4)	Conducted Band Edge Measurement (Band 38) (Band 41)	§27.53(m)(4)	PASS	--
3.5	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 38) (Band 41)	< 55+10log10(P[Watts])	PASS	--
3.6	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	--
3.7	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 38) (Band 41)	< 55+10log10(P[Watts])	PASS	--

1. GENERAL DESCRIPTION

1.1. Applicant

Name : Tersus GNSS Inc.

Address : Rm 601, Bldg E2, No. 88, Jinjihu Ave, Suzhou, China

1.2. Manufacturer

Name : Tersus GNSS Inc.

Address : Rm 601, Bldg E2, No. 88, Jinjihu Ave, Suzhou, China

1.3. Factory

Name : Tersus GNSS Inc.

Address : Rm 601, Bldg E2, No. 88, Jinjihu Ave, Suzhou, China

1.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature	Normal Temperature(TN):	25°C
	High Temperature(TH):	70°C
	Low Temperature(TL):	-40°C
Voltage	Normal Voltage(VN):	AC 121 V
	High Voltage(VH):	AC 121 V
	Low Voltage(VL):	AC 104.5 V
Other	Relative Humidity:	52 %
	Air Pressure:	101 kPa
NTNV	Normal temperature & Normal Voltage	
LTLV	Low temperature & Low Voltage	
LTHV	Low temperature & High Voltage	
HTLV	High temperature & Low Voltage	
HTHV	High temperature & High Voltage	

1.5. General Information of EUT

General Information	
Equipment Name	GNSS Receiver
Brand Name	N/A
Model Name	LUKA
Series Model	N/A
Model Difference	N/A
Sample No.	202411200019003
Adapter	Model:QL015-0503100U1 Brand:/ Input:100-240V~50/60Hz 0.5A Output:5V DC 0.01-3.0A
Battery	Model:SNLB-958 Brand:/ Rated Voltage:7.4V DC Charge Limit Voltage:5V DC Capacity:7000mah
Hardware Version	V1.2
Software Version	2.0.90
Connecting I/O Port(s)	Refer to the remark below.

Remark:

The above information of EUT was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.6. Equipment Specification

Standards-related Product Specification		
Frequency		
Band	Tx Frequency Range	Rx Frequency Range
☒ Band 38	2570 MHz ~ 2620 MHz	2570 MHz ~ 2620 MHz
☒ Band 41	2535 MHz ~ 2655 MHz	2535 MHz ~ 2655 MHz
Bandwidth		
Band	Bandwidth	
☒ Band 38	5MHz / 10MHz / 15MHz / 20MHz	
☒ Band 41	5MHz / 10MHz / 15MHz / 20MHz	
Antenna Gain		
Band	Antenna Gain	
☒ Band 38	1.44 dBi	
☒ Band 41	1.44 dBi	
Maximum Output Power to Antenna		
Band	Maximum Output Power	
☒ Band 38	25.31 dBm(0.340 W)	
☒ Band 41	25.26 dBm(0.336 W)	
Type of Modulation		
☒ QPSK	☒ 16QAM	☒ 64QAM ☐ 256QAM
Antenna Type		Built-in

1.7. Emission Designator

Band	Bandwidth (MHz)	Low Freq. (MHz)	High Freq. (MHz)	Type (Antenna or ERP or EIRP)	Max power (dBm)	Max Power (mW)	Emission Designator
LTE Band 38	20	2580	2610	EIRP	24.17	261.22	17M9W7D
	20	2580	2610	EIRP	25.28	337.29	17M9G7D
	5	2572.5	2617.5	EIRP	25.31	339.63	4M52G7D
LTE Band 41	20	2535.19	2655.19	EIRP	23.87	243.78	17M9W7D
	20	2535.19	2655.19	EIRP	25.04	319.15	17M9G7D
	5	2542.69	2647.69	EIRP	25.26	335.74	4M49G7D

Note:

The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP is shown in the report.

1.8. Modification of EUT

No modifications are made to the EUT during all test items.

1.9. Laboratory Information

Company Name	:	Shanghai ATBL Technology Co., Ltd.
Address	:	Building 8, No.160 Basheng Road, Waigaoqiao Free Trade Zone, Pudong New Area, Shanghai
Telephone	:	+86(0)21-51298625
FCC Test Firm registration Number	:	485917
A2LA Number	:	6184.01
CNAS Number	:	CNAS L14531
CAB Identifier	:	CN0116

1.10. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR Part 2, 27

ANSI C63.26-2015

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST

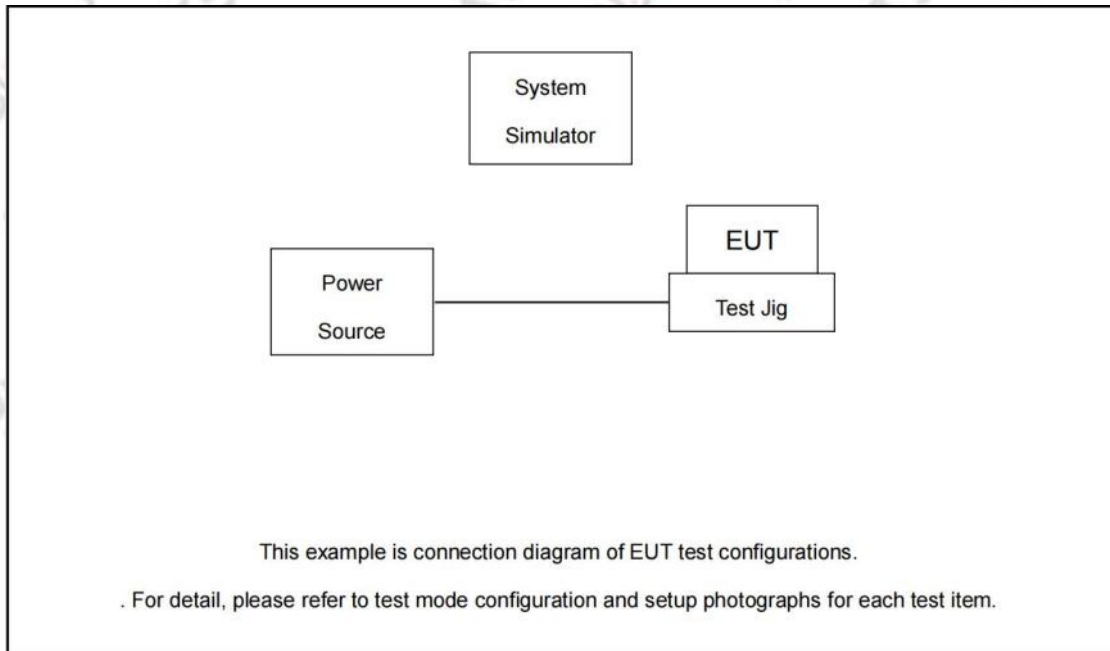
2.1. Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (X-Plane)

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel				
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H		
Max. Output Power	38			√	√	√	√	√	√			√		√	√	√	√		
	41			√	√	√	√	√	√			√		√	√	√	√		
Peak-to-Average Ratio	38			√	√	√	√	√	√			√				√			
	41			√	√	√	√	√	√			√				√			
26dB and 99% Bandwidth	38			√	√	√	√	√	√			√		√		√			
	41			√	√	√	√	√	√			√		√		√			
Conducted Band Edge	38			√	√	√	√	√	√					√	√		√		
	41			√	√	√	√	√	√					√	√		√		
Conducted Spurious Emission	38			√	√	√	√	√	√					√	√		√		
	41			√	√	√	√	√	√					√	√		√		
Frequency Stability	38						√	√	√				√			√			
	41						√	√	√				√			√			
E.R.P / E.I.R.P	38			√	√	√	√	√	√			√		√	√	√	√		
	41			√	√	√	√	√	√			√		√	√	√	√		
Radiated Spurious Emission	38	Worst Case															√	√	√
	41	Worst Case															√	√	√
Note	1. The mark “√” means that this configuration is chosen for testing 2. When a cell is empty, it means it is not supported or does not require testing. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																		

2.2. Connection Diagram of Test System



2.3. Support Unit used in test configuration and system

NO.	Unit	Brand	Model	SN	Description
1	Adapter	N/A	QL015-0503100U1	N/A	N/A
2	SIM Card	N/A	N/A	N/A	N/A

2.4. Frequency List of Low/Middle/High Channels

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41(2535MHz-2655MHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	40270	40740	41210
	Frequency	2535.19	2595.19	2655.19
15	Channel	40285	40740	41195
	Frequency	2537.69	2595.19	2652.69
10	Channel	40300	40740	41180
	Frequency	2540.19	2595.19	2650.19
5	Channel	40315	40740	41165
	Frequency	2542.69	2595.19	2647.69

2.5. Equipment List

2.5.1. For Conducted Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	equipment number	Calibrated until	Calibrated due until	Cal. Interval
Environmental Test Chamber	BST	BST-HZ-410	T1131	SHATBL-W041	2024.03.28	2025.03.27	1 year
Vector signal generator	Agilent	N5182A	MY50143555	SHATBL-W037	2024.07.18	2025.07.17	1 year
Analog signal generator	Keysight	N5173B	MY60403026	SHATBL-W038	2024.07.18	2025.07.17	1 year
Wideband radio communication tester	R&S	CMW500	101331	SHATBL-W044	2024.07.18	2025.07.17	1 year
Spectrum analyzer	R&S	FSV40-N	101761	SHATBL-W036	2024.07.18	2025.07.17	1 year
Switch Box	MaiWei	MW200-RFCB	MW220720ATBL	SHATBL-W039	N/A	NA	N/A
Thermometer	DeLi	N/A	N/A	SHATBL-W012	2024.07.18	2025.07.17	1 year
Test Software	MaiWei	MW-Test	N/A	N/A	N/A	N/A	N/A
band rejection filter	MaiWei	MW200-SFCB	MW220719ATBL	SHATBL-W040	2024.07.18	2025.07.17	1 year

2.5.2. For Radiated Spurious Emission

Kind of Equipment	Manufacturer	Type No.	Serial No.	equipment number	Calibrated until	Calibrated due until	Cal. Interval
Signal analyzer	Agilent	N9020A	MY50200811	SHATBL-E017	2024.03.28	2025.03.27	1 year
Amplifier	JPT	JPA0118-55-303A	1910001800055000	SHATBL-E006	2024.03.28	2025.03.27	1 year
Amplifier	JPT	JPA-10M1G32	21010100035001	SHATBL-E005	2024.03.28	2025.03.27	1 year
Antenna/Turn table Controller	Brilliant	N/A	N/A	SHATBL-E007	N/A	N/A	N/A
Loop Antenna(9kHz-30 MHz)	Daze	ZN30900C	20077	SHATBL-E042	2024.05.17	2025.05.16	1 year
Bilog Antenna	SCHWARZBECK	VULB 9168	01174	SHATBL-E008	2024.05.17	2025.05.16	1 year
Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120D	02334	SHATBL-E009	2024.05.17	2025.05.16	1 year
Horn Antenna	COM-POWER	AH-1840	10100008	SHATBL-E043	2024.07.28	2025.07.27	1 year
Thermometer	DeLi	N/A	N/A	SHATBL-E015	2024.07.18	2025.07.17	1 year
Test Software	FALA	EMC-RI(Ver.4A2)	N/A	N/A	N/A	N/A	N/A
Wideband radio communication tester	R&S	CMW500	101331	SHATBL-W044	2024.07.18	2025.07.17	1 year

2.6. Measurement Uncertainty

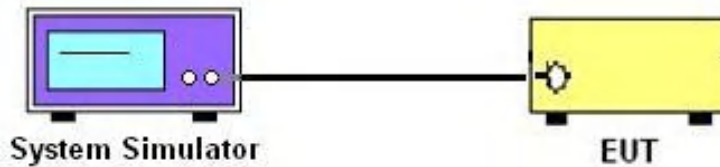
The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Output Power	1.27dB
2	Power spectral density	1.28dB
3	Conducted spurious emissions	1.73dB
4	Conducted Frequency Stability	10.14Hz
5	RF Cable Loss	1.22dB
6	Radiated Spurious Emission 9KHz-30MHz	2.35dB
7	Radiated Spurious Emission 30MHz-1GHz	2.59dB
8	Radiated Spurious Emission 1GHz-18GHz	2.62dB
9	Radiated Spurious Emission 18GHz - 40GHz	2.80dB

3. TEST RESULT

3.1. Conducted Output Power and ERP/EIRP

3.1.1. Test Setup



3.1.2. Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 38 and LTE Band 41.

According to KDB 412172 D01 Power Approach, $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where P_T = transmitter output power in dBm, G_T = gain of the transmitting antenna in dBi, L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB.

3.1.3. Test Procedures

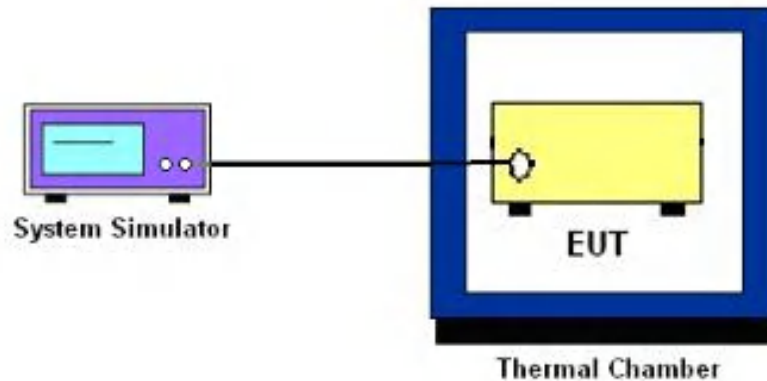
1. The testing follows ANSI C63.26 Section 5.2.
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.1.4. Test Result of Conducted Output Power and EIRP

Please refer to the Appendix A1.

3.2. Frequency Stability

3.2.1. Test Setup



3.2.2. Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.2.3. Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.2.4. Test Procedures for Voltage Variation

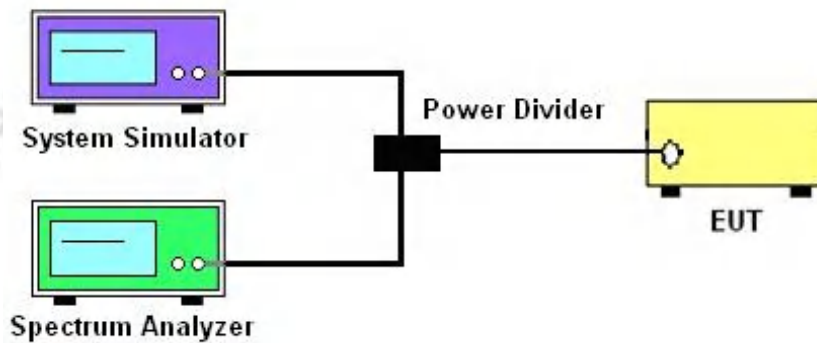
1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at $20 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

3.2.5. Test Result of Frequency Stability

Please refer to the Appendix A2.

3.3. Peak-to-Average Ratio

3.3.1. Test Setup



3.3.2. Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

3.3.3. Test Procedures

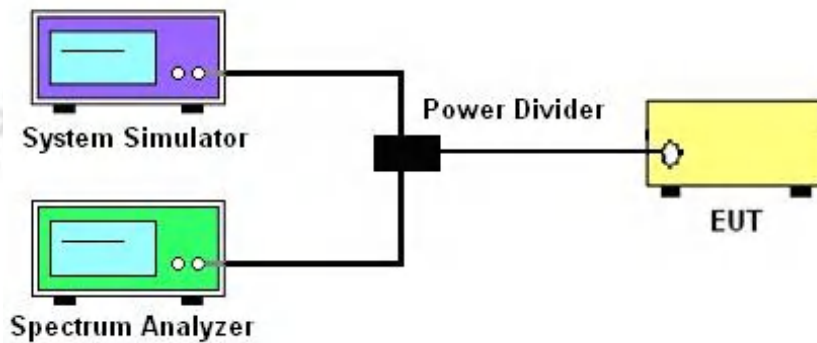
1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.3.4. Test Result of Peak-to-Average Ratio

Please refer to the Appendix A3.

3.4. Occupied Bandwidth

3.4.1. Test Setup



3.4.2. Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.3. Test Procedures

1. The testing follows ANSI C63.26 Section 5.4.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured

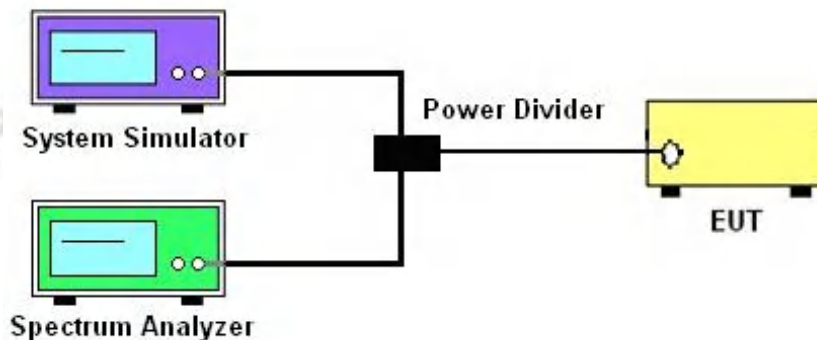
bandwidth.

3.4.4. Test Result of Occupied Bandwidth

Please refer to the Appendix A4.

3.5. Conducted Band Edge

3.5.1. Test Setup



3.5.2. Description of Conducted Band Edge Measurement

27.53 (c):

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. 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. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g):

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53(m)(4):

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.5.3. Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq$ 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used .
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}$$

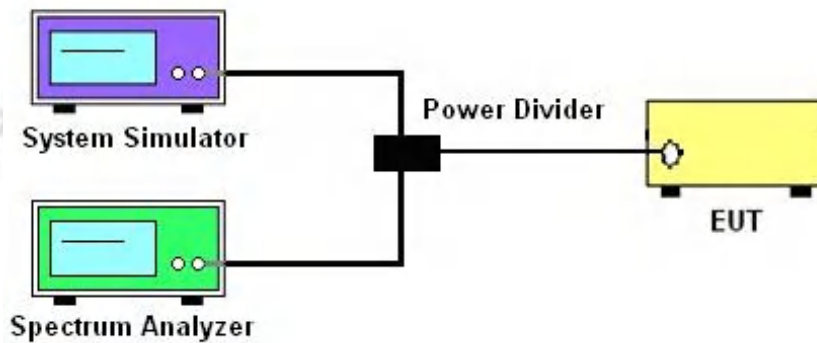
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.5.4. Test Result of Conducted Band Edge

Please refer to the Appendix A5.

3.6. Conducted Spurious Emission

3.6.1. Test Setup



3.6.2. Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 38,41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.3. Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$
11. For Band 38, 41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [55 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)} = -25\text{dBm}.$$

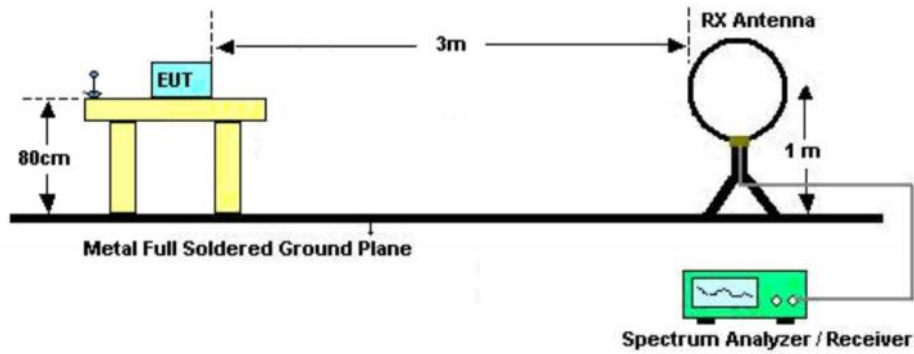
3.6.4. Test Result of Conducted Spurious Emission

Please refer to the Appendix A6.

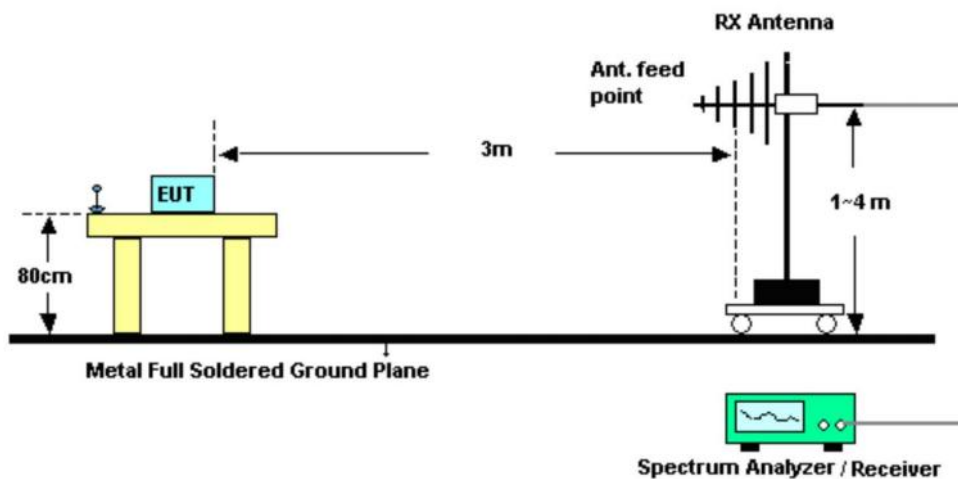
3.7. Radiated Spurious Emission

3.7.1. Test Setup

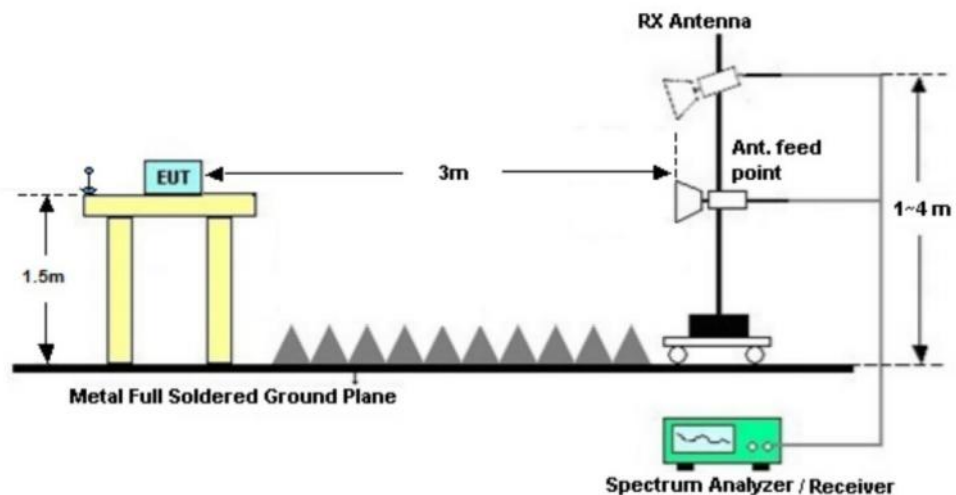
3.7.1.1. For radiated test below 30MHz



3.7.1.2. For radiated test from 30MHz to 1GHz



3.7.1.3. For radiated test above 1GHz



3.7.2. Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 38, 41:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.7.3. Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $55 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$
 $= P(\text{W}) - [55 + 10\log(P)] (\text{dB}) = [30 + 10\log(P)] (\text{dBm}) - [55 + 10\log(P)] (\text{dB}) = -25\text{dBm}.$

3.7.4. Test Result of Radiated Spurious Emission

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

The frequency which above 30 MHz, please refer to the Appendix B.

4. TEST SETUP PHOTOGRAPHS

Please refer to the Appendix C.

5. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

External Photos Please refer to the Appendix D.

Internal Photos Please refer to the Appendix E.

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

Appendix A _ Conducted Test Data

LTE Band 38

A1 - Conducted output power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band38	5	37775	1	#0	QAM16	23.90	1.44	25.34	33	PASS
Band38	5	37775	1	#Mid	QAM16	23.91	1.44	25.35	33	PASS
Band38	5	37775	1	#Max	QAM16	23.52	1.44	24.96	33	PASS
Band38	5	37775	12	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	5	37775	12	#Mid	QAM16	22.60	1.44	24.04	33	PASS
Band38	5	37775	12	#Max	QAM16	22.38	1.44	23.82	33	PASS
Band38	5	37775	25	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	5	38000	1	#0	QAM16	23.23	1.44	24.67	33	PASS
Band38	5	38000	1	#Mid	QAM16	23.47	1.44	24.91	33	PASS
Band38	5	38000	1	#Max	QAM16	23.40	1.44	24.84	33	PASS
Band38	5	38000	12	#0	QAM16	22.57	1.44	24.01	33	PASS
Band38	5	38000	12	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band38	5	38000	12	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band38	5	38000	25	#0	QAM16	22.55	1.44	23.99	33	PASS
Band38	5	38225	1	#0	QAM16	23.52	1.44	24.96	33	PASS
Band38	5	38225	1	#Mid	QAM16	23.74	1.44	25.18	33	PASS
Band38	5	38225	1	#Max	QAM16	23.57	1.44	25.01	33	PASS
Band38	5	38225	12	#0	QAM16	22.88	1.44	24.32	33	PASS
Band38	5	38225	12	#Mid	QAM16	22.97	1.44	24.41	33	PASS
Band38	5	38225	12	#Max	QAM16	23.15	1.44	24.59	33	PASS
Band38	5	38225	25	#0	QAM16	22.96	1.44	24.40	33	PASS
Band38	10	37800	1	#0	QAM16	24.60	1.44	26.04	33	PASS
Band38	10	37800	1	#Mid	QAM16	24.42	1.44	25.86	33	PASS
Band38	10	37800	1	#Max	QAM16	24.08	1.44	25.52	33	PASS
Band38	10	37800	25	#0	QAM16	22.85	1.44	24.29	33	PASS
Band38	10	37800	25	#Mid	QAM16	22.84	1.44	24.28	33	PASS
Band38	10	37800	25	#Max	QAM16	22.72	1.44	24.16	33	PASS
Band38	10	37800	50	#0	QAM16	22.63	1.44	24.07	33	PASS
Band38	10	38000	1	#0	QAM16	22.68	1.44	24.12	33	PASS
Band38	10	38000	1	#Mid	QAM16	22.71	1.44	24.15	33	PASS
Band38	10	38000	1	#Max	QAM16	22.77	1.44	24.21	33	PASS
Band38	10	38000	25	#0	QAM16	22.44	1.44	23.88	33	PASS
Band38	10	38000	25	#Mid	QAM16	22.47	1.44	23.91	33	PASS
Band38	10	38000	25	#Max	QAM16	22.58	1.44	24.02	33	PASS
Band38	10	38000	50	#0	QAM16	22.54	1.44	23.98	33	PASS
Band38	10	38200	1	#0	QAM16	23.76	1.44	25.20	33	PASS
Band38	10	38200	1	#Mid	QAM16	24.45	1.44	25.89	33	PASS

Band38	10	38200	1	#Max	QAM16	24.61	1.44	26.05	33	PASS
Band38	10	38200	25	#0	QAM16	22.99	1.44	24.43	33	PASS
Band38	10	38200	25	#Mid	QAM16	23.08	1.44	24.52	33	PASS
Band38	10	38200	25	#Max	QAM16	22.91	1.44	24.35	33	PASS
Band38	10	38200	50	#0	QAM16	22.93	1.44	24.37	33	PASS
Band38	15	37825	1	#0	QAM16	24.61	1.44	26.05	33	PASS
Band38	15	37825	1	#Mid	QAM16	24.34	1.44	25.78	33	PASS
Band38	15	37825	1	#Max	QAM16	24.18	1.44	25.62	33	PASS
Band38	15	37825	36	#0	QAM16	22.57	1.44	24.01	33	PASS
Band38	15	37825	36	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band38	15	37825	36	#Max	QAM16	22.65	1.44	24.09	33	PASS
Band38	15	37825	75	#0	QAM16	22.69	1.44	24.13	33	PASS
Band38	15	38000	1	#0	QAM16	22.74	1.44	24.18	33	PASS
Band38	15	38000	1	#Mid	QAM16	23.02	1.44	24.46	33	PASS
Band38	15	38000	1	#Max	QAM16	23.02	1.44	24.46	33	PASS
Band38	15	38000	36	#0	QAM16	22.65	1.44	24.09	33	PASS
Band38	15	38000	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band38	15	38000	36	#Max	QAM16	22.81	1.44	24.25	33	PASS
Band38	15	38000	75	#0	QAM16	22.69	1.44	24.13	33	PASS
Band38	15	38175	1	#0	QAM16	23.76	1.44	25.20	33	PASS
Band38	15	38175	1	#Mid	QAM16	23.96	1.44	25.40	33	PASS
Band38	15	38175	1	#Max	QAM16	24.04	1.44	25.48	33	PASS
Band38	15	38175	36	#0	QAM16	22.80	1.44	24.24	33	PASS
Band38	15	38175	36	#Mid	QAM16	22.90	1.44	24.34	33	PASS
Band38	15	38175	36	#Max	QAM16	22.87	1.44	24.31	33	PASS
Band38	15	38175	75	#0	QAM16	23.08	1.44	24.52	33	PASS
Band38	20	37850	1	#0	QAM16	23.82	1.44	25.26	33	PASS
Band38	20	37850	1	#Mid	QAM16	23.51	1.44	24.95	33	PASS
Band38	20	37850	1	#Max	QAM16	23.11	1.44	24.55	33	PASS
Band38	20	37850	50	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	20	37850	50	#Mid	QAM16	22.79	1.44	24.23	33	PASS
Band38	20	37850	50	#Max	QAM16	22.60	1.44	24.04	33	PASS
Band38	20	37850	100	#0	QAM16	22.66	1.44	24.10	33	PASS
Band38	20	38000	1	#0	QAM16	22.73	1.44	24.17	33	PASS
Band38	20	38000	1	#Mid	QAM16	22.80	1.44	24.24	33	PASS
Band38	20	38000	1	#Max	QAM16	23.09	1.44	24.53	33	PASS
Band38	20	38000	50	#0	QAM16	22.50	1.44	23.94	33	PASS
Band38	20	38000	50	#Mid	QAM16	22.74	1.44	24.18	33	PASS
Band38	20	38000	50	#Max	QAM16	22.74	1.44	24.18	33	PASS
Band38	20	38000	100	#0	QAM16	22.54	1.44	23.98	33	PASS
Band38	20	38150	1	#0	QAM16	23.74	1.44	25.18	33	PASS
Band38	20	38150	1	#Mid	QAM16	24.00	1.44	25.44	33	PASS
Band38	20	38150	1	#Max	QAM16	24.17	1.44	25.61	33	PASS
Band38	20	38150	50	#0	QAM16	22.82	1.44	24.26	33	PASS
Band38	20	38150	50	#Mid	QAM16	23.03	1.44	24.47	33	PASS

Band38	20	38150	50	#Max	QAM16	22.97	1.44	24.41	33	PASS
Band38	20	38150	100	#0	QAM16	22.87	1.44	24.31	33	PASS
Band38	5	37775	1	#0	QPSK	25.05	1.44	26.49	33	PASS
Band38	5	37775	1	#Mid	QPSK	25.31	1.44	26.75	33	PASS
Band38	5	37775	1	#Max	QPSK	24.63	1.44	26.07	33	PASS
Band38	5	37775	12	#0	QPSK	24.00	1.44	25.44	33	PASS
Band38	5	37775	12	#Mid	QPSK	23.87	1.44	25.31	33	PASS
Band38	5	37775	12	#Max	QPSK	23.75	1.44	25.19	33	PASS
Band38	5	37775	25	#0	QPSK	23.82	1.44	25.26	33	PASS
Band38	5	38000	1	#0	QPSK	24.30	1.44	25.74	33	PASS
Band38	5	38000	1	#Mid	QPSK	24.81	1.44	26.25	33	PASS
Band38	5	38000	1	#Max	QPSK	24.51	1.44	25.95	33	PASS
Band38	5	38000	12	#0	QPSK	23.69	1.44	25.13	33	PASS
Band38	5	38000	12	#Mid	QPSK	23.68	1.44	25.12	33	PASS
Band38	5	38000	12	#Max	QPSK	23.66	1.44	25.10	33	PASS
Band38	5	38000	25	#0	QPSK	23.64	1.44	25.08	33	PASS
Band38	5	38225	1	#0	QPSK	24.77	1.44	26.21	33	PASS
Band38	5	38225	1	#Mid	QPSK	25.26	1.44	26.70	33	PASS
Band38	5	38225	1	#Max	QPSK	24.97	1.44	26.41	33	PASS
Band38	5	38225	12	#0	QPSK	24.02	1.44	25.46	33	PASS
Band38	5	38225	12	#Mid	QPSK	24.02	1.44	25.46	33	PASS
Band38	5	38225	12	#Max	QPSK	24.10	1.44	25.54	33	PASS
Band38	5	38225	25	#0	QPSK	24.05	1.44	25.49	33	PASS
Band38	10	37800	1	#0	QPSK	24.99	1.44	26.43	33	PASS
Band38	10	37800	1	#Mid	QPSK	24.89	1.44	26.33	33	PASS
Band38	10	37800	1	#Max	QPSK	24.54	1.44	25.98	33	PASS
Band38	10	37800	25	#0	QPSK	23.92	1.44	25.36	33	PASS
Band38	10	37800	25	#Mid	QPSK	23.91	1.44	25.35	33	PASS
Band38	10	37800	25	#Max	QPSK	23.69	1.44	25.13	33	PASS
Band38	10	37800	50	#0	QPSK	23.75	1.44	25.19	33	PASS
Band38	10	38000	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band38	10	38000	1	#Mid	QPSK	24.86	1.44	26.30	33	PASS
Band38	10	38000	1	#Max	QPSK	24.86	1.44	26.30	33	PASS
Band38	10	38000	25	#0	QPSK	23.61	1.44	25.05	33	PASS
Band38	10	38000	25	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band38	10	38000	25	#Max	QPSK	23.74	1.44	25.18	33	PASS
Band38	10	38000	50	#0	QPSK	23.68	1.44	25.12	33	PASS
Band38	10	38200	1	#0	QPSK	24.78	1.44	26.22	33	PASS
Band38	10	38200	1	#Mid	QPSK	24.97	1.44	26.41	33	PASS
Band38	10	38200	1	#Max	QPSK	24.94	1.44	26.38	33	PASS
Band38	10	38200	25	#0	QPSK	23.98	1.44	25.42	33	PASS
Band38	10	38200	25	#Mid	QPSK	24.06	1.44	25.50	33	PASS
Band38	10	38200	25	#Max	QPSK	23.97	1.44	25.41	33	PASS
Band38	10	38200	50	#0	QPSK	24.04	1.44	25.48	33	PASS
Band38	15	37825	1	#0	QPSK	24.96	1.44	26.40	33	PASS

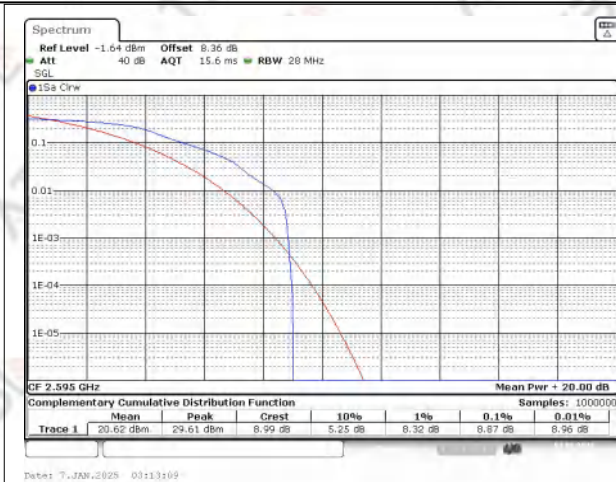
Band38	15	37825	1	#Mid	QPSK	24.72	1.44	26.16	33	PASS
Band38	15	37825	1	#Max	QPSK	24.65	1.44	26.09	33	PASS
Band38	15	37825	36	#0	QPSK	23.84	1.44	25.28	33	PASS
Band38	15	37825	36	#Mid	QPSK	23.82	1.44	25.26	33	PASS
Band38	15	37825	36	#Max	QPSK	23.70	1.44	25.14	33	PASS
Band38	15	37825	75	#0	QPSK	23.67	1.44	25.11	33	PASS
Band38	15	38000	1	#0	QPSK	24.63	1.44	26.07	33	PASS
Band38	15	38000	1	#Mid	QPSK	24.87	1.44	26.31	33	PASS
Band38	15	38000	1	#Max	QPSK	24.87	1.44	26.31	33	PASS
Band38	15	38000	36	#0	QPSK	23.67	1.44	25.11	33	PASS
Band38	15	38000	36	#Mid	QPSK	23.83	1.44	25.27	33	PASS
Band38	15	38000	36	#Max	QPSK	23.77	1.44	25.21	33	PASS
Band38	15	38000	75	#0	QPSK	23.66	1.44	25.10	33	PASS
Band38	15	38175	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band38	15	38175	1	#Mid	QPSK	25.18	1.44	26.62	33	PASS
Band38	15	38175	1	#Max	QPSK	25.08	1.44	26.52	33	PASS
Band38	15	38175	36	#0	QPSK	23.93	1.44	25.37	33	PASS
Band38	15	38175	36	#Mid	QPSK	24.12	1.44	25.56	33	PASS
Band38	15	38175	36	#Max	QPSK	24.09	1.44	25.53	33	PASS
Band38	15	38175	75	#0	QPSK	24.02	1.44	25.46	33	PASS
Band38	20	37850	1	#0	QPSK	24.75	1.44	26.19	33	PASS
Band38	20	37850	1	#Mid	QPSK	24.52	1.44	25.96	33	PASS
Band38	20	37850	1	#Max	QPSK	24.28	1.44	25.72	33	PASS
Band38	20	37850	50	#0	QPSK	23.81	1.44	25.25	33	PASS
Band38	20	37850	50	#Mid	QPSK	23.82	1.44	25.26	33	PASS
Band38	20	37850	50	#Max	QPSK	23.65	1.44	25.09	33	PASS
Band38	20	37850	100	#0	QPSK	23.73	1.44	25.17	33	PASS
Band38	20	38000	1	#0	QPSK	24.48	1.44	25.92	33	PASS
Band38	20	38000	1	#Mid	QPSK	24.77	1.44	26.21	33	PASS
Band38	20	38000	1	#Max	QPSK	24.71	1.44	26.15	33	PASS
Band38	20	38000	50	#0	QPSK	23.71	1.44	25.15	33	PASS
Band38	20	38000	50	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band38	20	38000	50	#Max	QPSK	23.84	1.44	25.28	33	PASS
Band38	20	38000	100	#0	QPSK	23.72	1.44	25.16	33	PASS
Band38	20	38150	1	#0	QPSK	24.94	1.44	26.38	33	PASS
Band38	20	38150	1	#Mid	QPSK	25.10	1.44	26.54	33	PASS
Band38	20	38150	1	#Max	QPSK	25.28	1.44	26.72	33	PASS
Band38	20	38150	50	#0	QPSK	23.95	1.44	25.39	33	PASS
Band38	20	38150	50	#Mid	QPSK	23.95	1.44	25.39	33	PASS
Band38	20	38150	50	#Max	QPSK	23.98	1.44	25.42	33	PASS
Band38	20	38150	100	#0	QPSK	23.92	1.44	25.36	33	PASS

A2 - Frequency stability

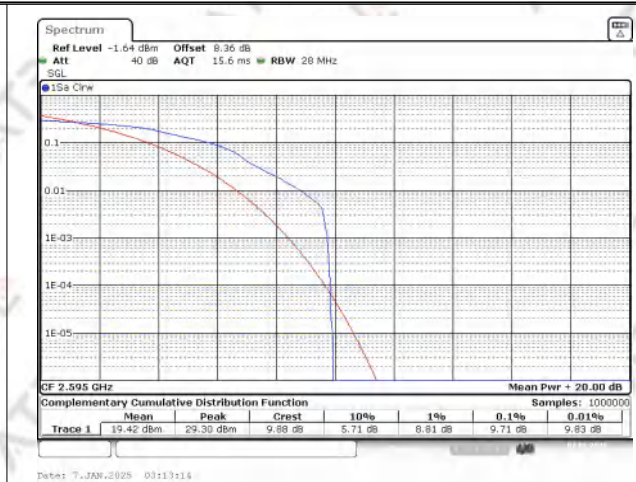
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band38	20	37850	100	#0	QAM16	0.7	0	-2.5	2.5	PASS
Band38	20	38000	100	#0	QAM16	2.11	0.001	-2.5	2.5	PASS
Band38	20	38150	100	#0	QAM16	-3.24	-0.001	-2.5	2.5	PASS
Band38	20	37850	100	#0	QPSK	-2.73	-0.001	-2.5	2.5	PASS
Band38	20	38000	100	#0	QPSK	-4.43	-0.002	-2.5	2.5	PASS
Band38	20	38150	100	#0	QPSK	-2.57	-0.001	-2.5	2.5	PASS

A3 - Peak-to-Average Ratio

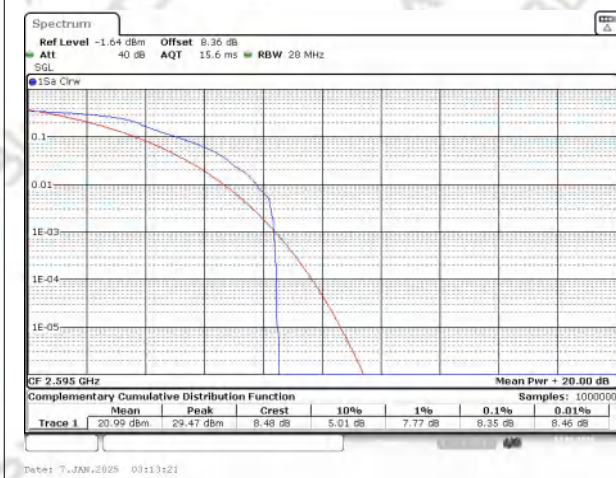
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	38000	1	#0	QAM16	9.71	13	PASS
Band38	10	38000	1	#0	QAM16	9.71	13	PASS
Band38	15	38000	1	#0	QAM16	9.3	13	PASS
Band38	20	38000	1	#0	QAM16	9.45	13	PASS
Band38	5	38000	1	#0	QPSK	8.87	13	PASS
Band38	10	38000	1	#0	QPSK	8.35	13	PASS
Band38	15	38000	1	#0	QPSK	8.75	13	PASS
Band38	20	38000	1	#0	QPSK	8.35	13	PASS



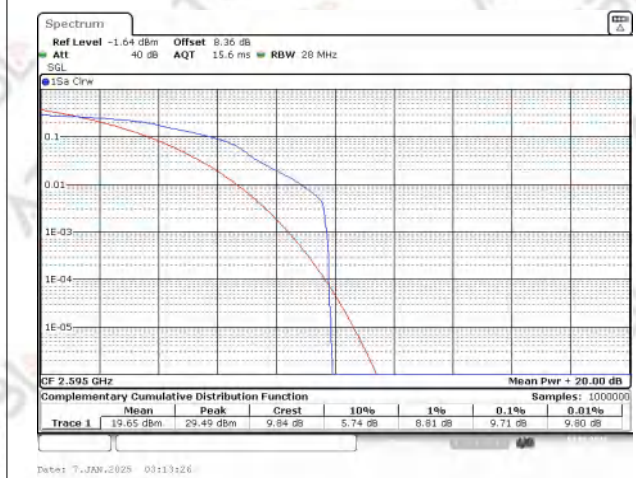
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=5MHz Channel=38000 RB Size=1 Position=#0



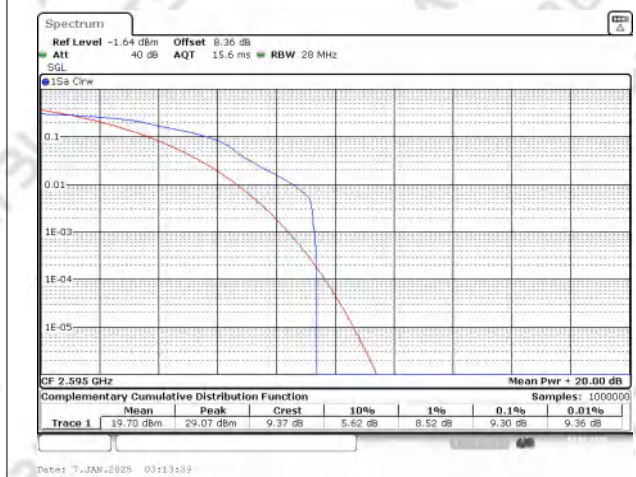
Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



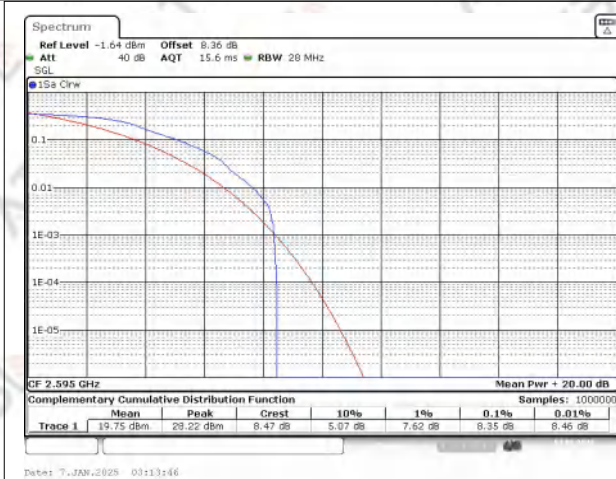
Band38 QAM16 BW=10MHz Channel=38000 RB Size=1 Position=#0



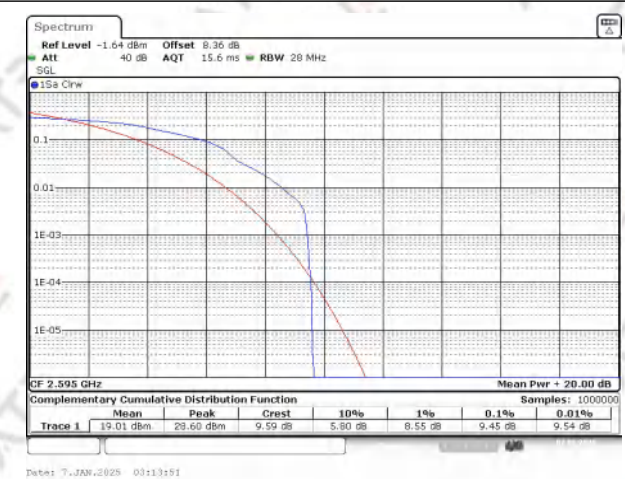
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=15MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=20MHz Channel=38000 RB Size=1 Position=#0

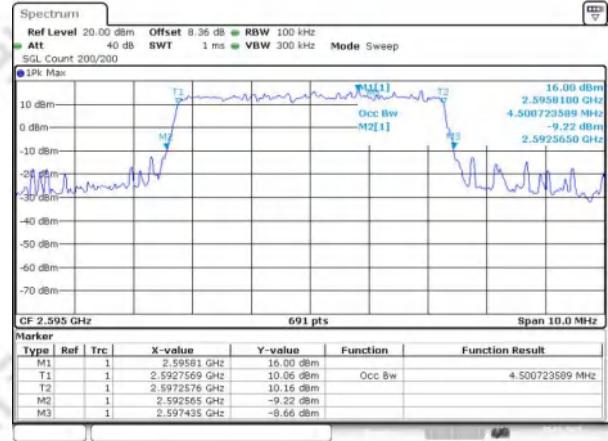
A4 - Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QAM16	4.486	4.913	PASS
Band38	5	38000	25	#0	QAM16	4.501	4.87	PASS
Band38	5	38225	25	#0	QAM16	4.501	5.116	PASS
Band38	10	37800	50	#0	QAM16	8.973	9.942	PASS
Band38	10	38000	50	#0	QAM16	8.973	9.594	PASS
Band38	10	38200	50	#0	QAM16	8.973	9.681	PASS
Band38	15	37825	75	#0	QAM16	13.415	17.565	PASS
Band38	15	38000	75	#0	QAM16	13.459	15.522	PASS
Band38	15	38175	75	#0	QAM16	13.502	15	PASS
Band38	20	37850	100	#0	QAM16	17.887	19.42	PASS
Band38	20	38000	100	#0	QAM16	18.003	19.304	PASS
Band38	20	38150	100	#0	QAM16	17.945	21.217	PASS
Band38	5	37775	25	#0	QPSK	4.515	4.942	PASS
Band38	5	38000	25	#0	QPSK	4.501	5.232	PASS
Band38	5	38225	25	#0	QPSK	4.53	4.928	PASS
Band38	10	37800	50	#0	QPSK	8.944	10.638	PASS
Band38	10	38000	50	#0	QPSK	8.973	9.652	PASS
Band38	10	38200	50	#0	QPSK	8.944	10.928	PASS
Band38	15	37825	75	#0	QPSK	13.459	14.783	PASS
Band38	15	38000	75	#0	QPSK	13.502	14.565	PASS
Band38	15	38175	75	#0	QPSK	13.415	15.348	PASS
Band38	20	37850	100	#0	QPSK	17.945	23.71	PASS
Band38	20	38000	100	#0	QPSK	17.887	19.362	PASS
Band38	20	38150	100	#0	QPSK	17.887	19.884	PASS



Date: 25.MAR.2025 22:58:53

Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



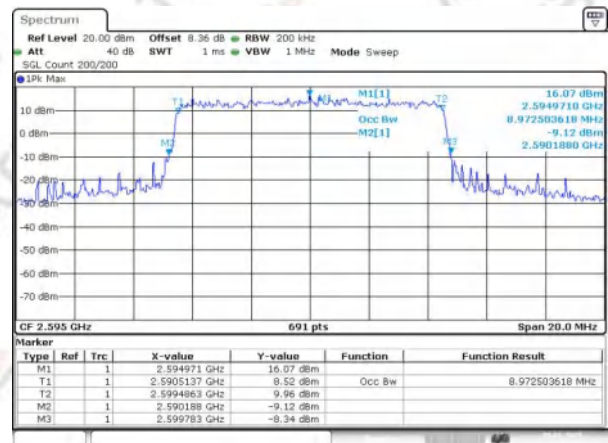
Date: 25.MAR.2025 22:58:58

Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0



Date: 25.MAR.2025 22:59:36

Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



Date: 25.MAR.2025 22:59:43

Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0



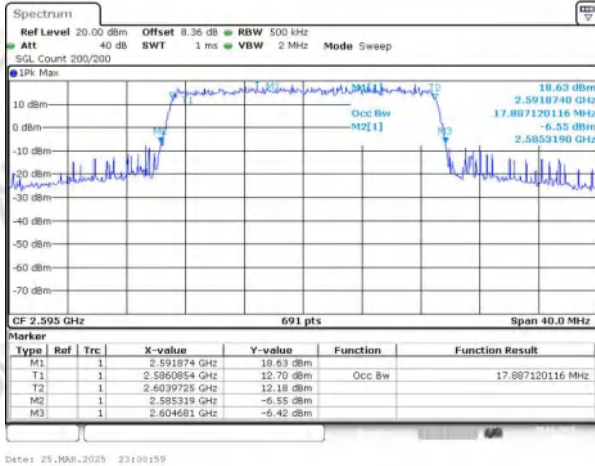
Date: 25.MAR.2025 23:00:20

Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0

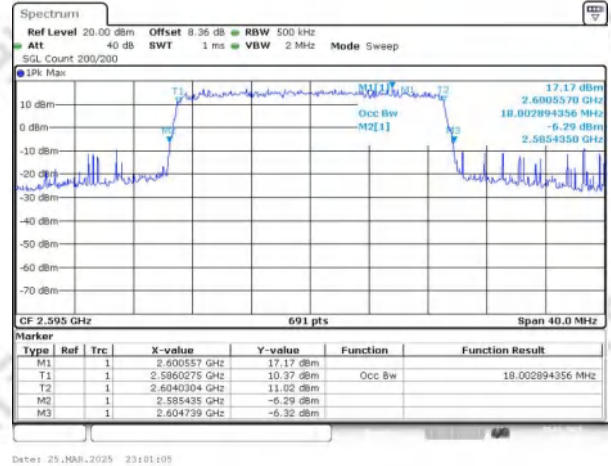


Date: 25.MAR.2025 23:00:26

Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0



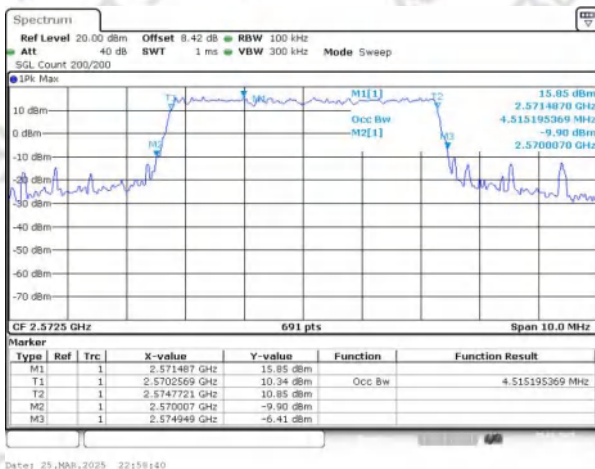
Date: 25.MAR.2025 23:00:59



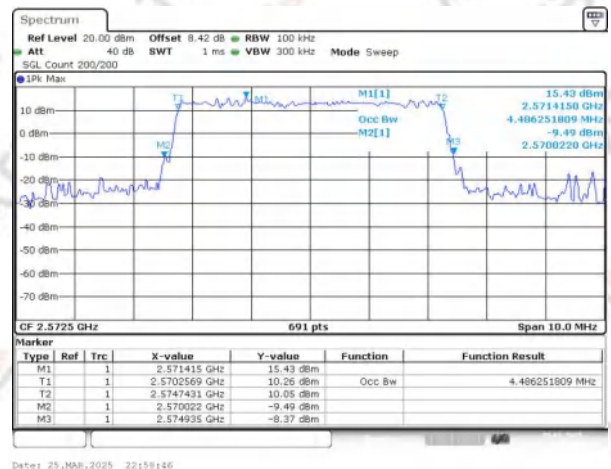
Date: 25.MAR.2025 23:01:05

Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0

Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0



Date: 25.MAR.2025 22:58:40



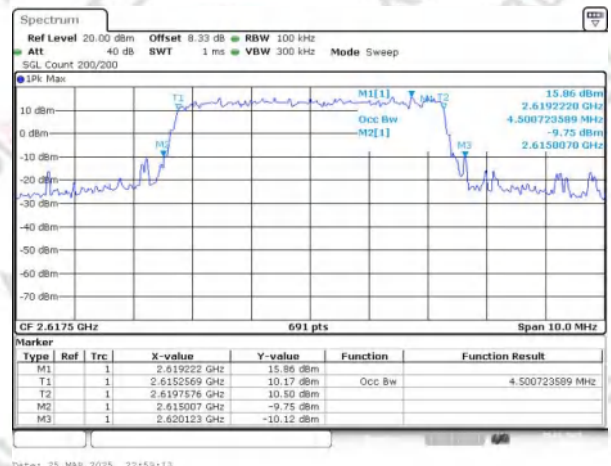
Date: 25.MAR.2025 22:58:46

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0

Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



Date: 25.MAR.2025 22:59:07



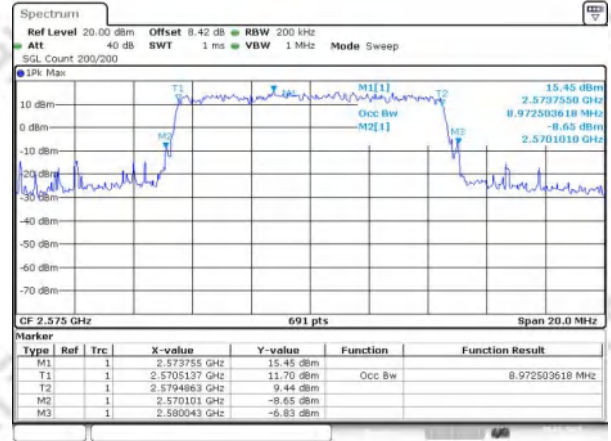
Date: 25.MAR.2025 22:59:13

Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



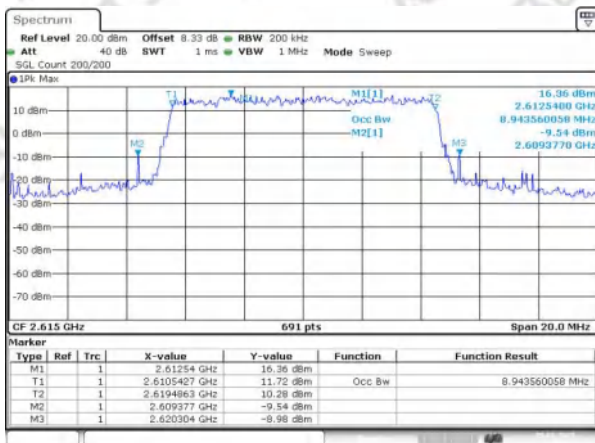
Date: 25.MAR.2025 22:59:23



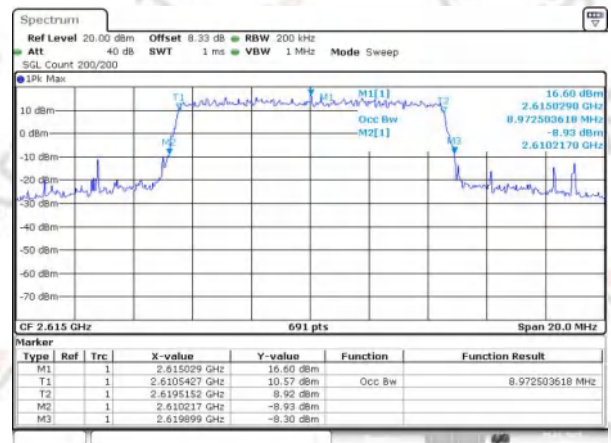
Date: 25.MAR.2025 22:59:29

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



Date: 25.MAR.2025 22:59:52



Date: 25.MAR.2025 22:59:59

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



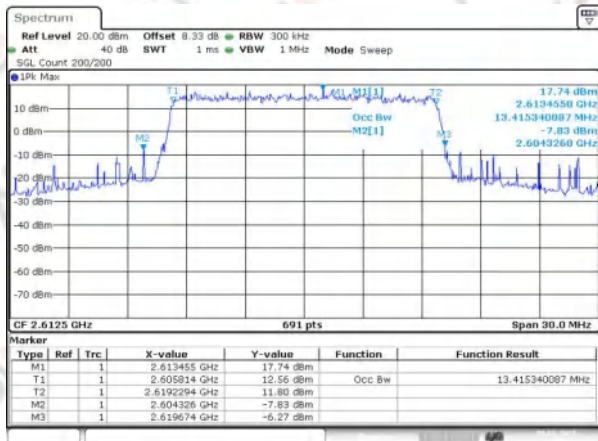
Date: 25.MAR.2025 23:00:08



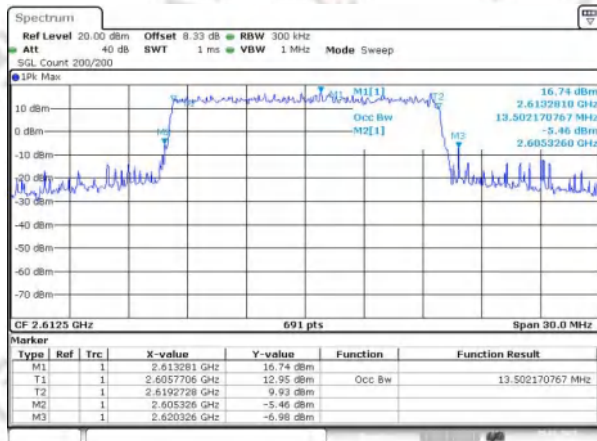
Date: 25.MAR.2025 23:00:14

Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



Date: 25.MAR.2025 23:00:32



Date: 25.MAR.2025 23:00:38

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



Date: 25.MAR.2025 23:00:47



Date: 25.MAR.2025 23:00:52

Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



Date: 25.MAR.2025 23:01:11



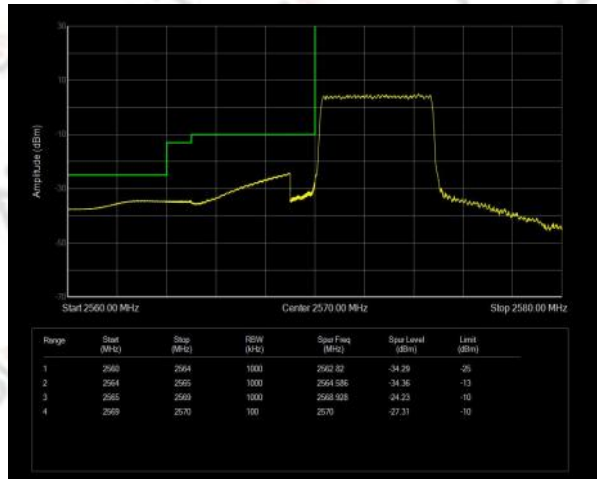
Date: 25.MAR.2025 23:01:17

Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

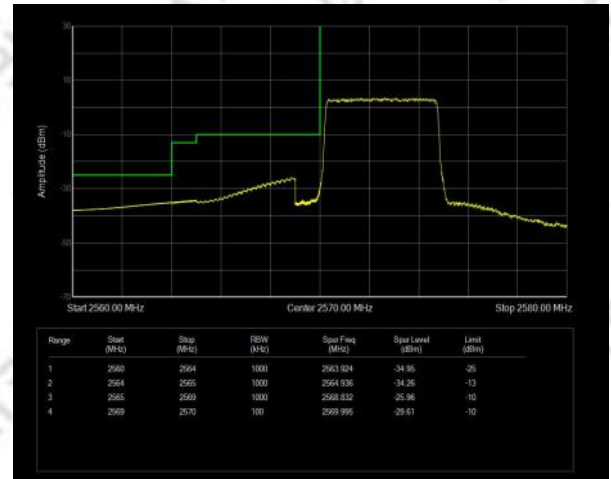
Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

A5 - Band edge

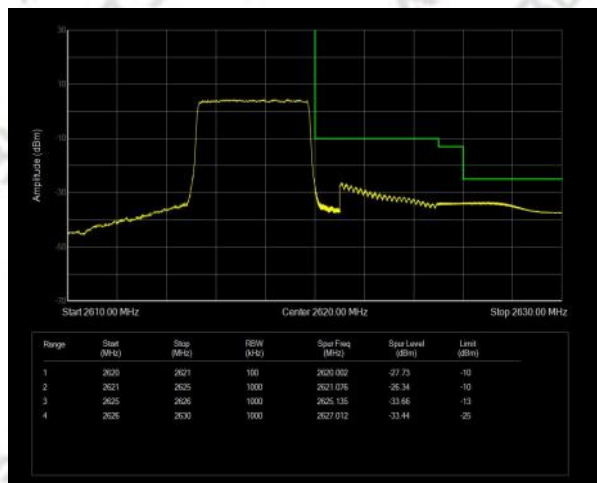
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	2563.92	-34.95	-25	PASS
Band38	5	38225	25	#0	QAM16	2626.1	-33.18	-25	PASS
Band38	10	37800	50	#0	QAM16	2559.53	-34.32	-25	PASS
Band38	10	38200	50	#0	QAM16	2632.25	-33.31	-25	PASS
Band38	15	37825	75	#0	QAM16	2554.88	-35.51	-25	PASS
Band38	15	38175	75	#0	QAM16	2636.02	-33.81	-25	PASS
Band38	20	37850	100	#0	QAM16	2549.68	-37.35	-25	PASS
Band38	20	38150	100	#0	QAM16	2640.42	-35.72	-25	PASS
Band38	5	37775	25	#0	QPSK	2562.82	-34.29	-25	PASS
Band38	5	38225	25	#0	QPSK	2627.01	-33.44	-25	PASS
Band38	10	37800	50	#0	QPSK	2558.61	-35.38	-25	PASS
Band38	10	38200	50	#0	QPSK	2631.22	-32.78	-25	PASS
Band38	15	37825	75	#0	QPSK	2554.6	-35.91	-25	PASS
Band38	15	38175	75	#0	QPSK	2635.68	-34.36	-25	PASS
Band38	20	37850	100	#0	QPSK	2545.54	-37.3	-25	PASS
Band38	20	38150	100	#0	QPSK	2644.52	-36	-25	PASS



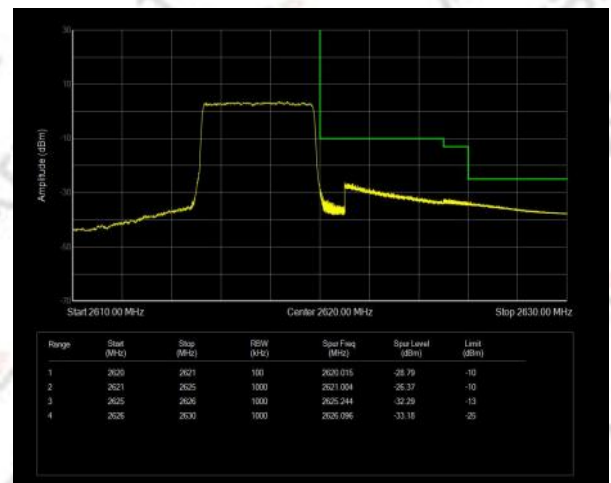
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



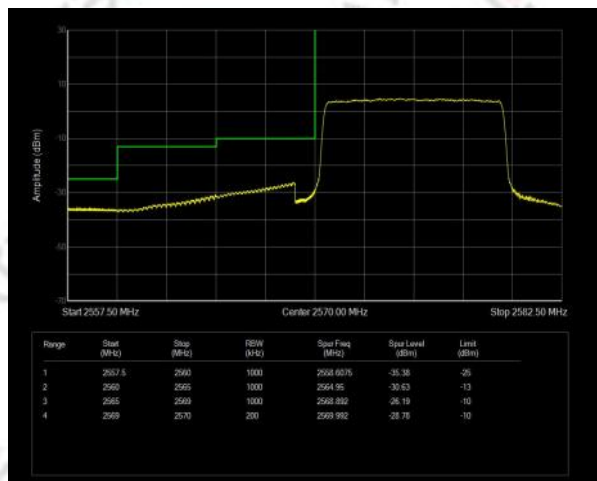
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



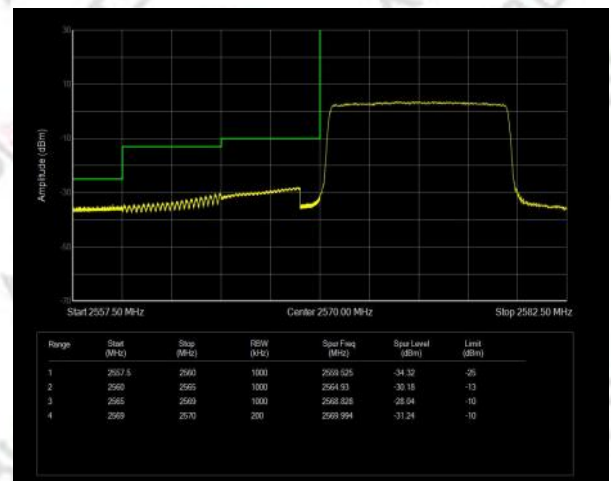
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



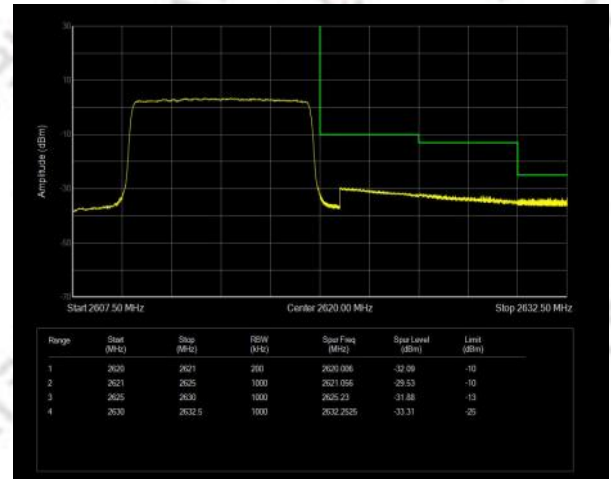
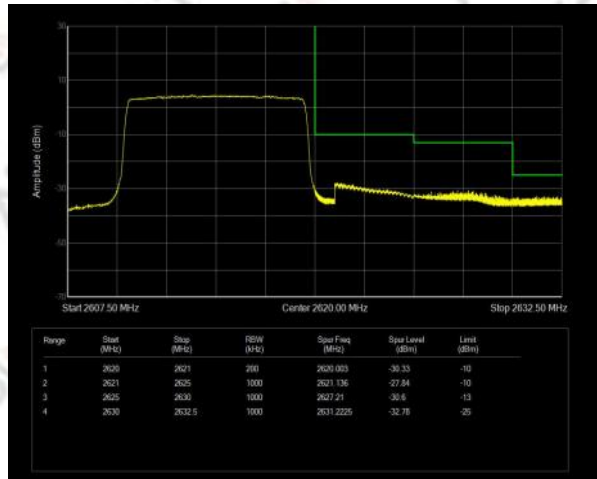
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

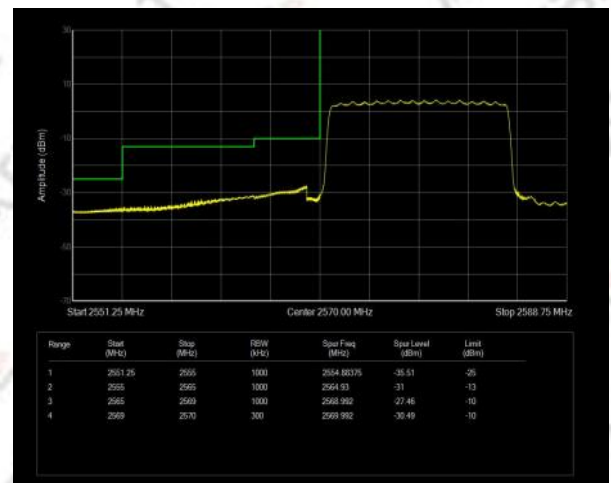
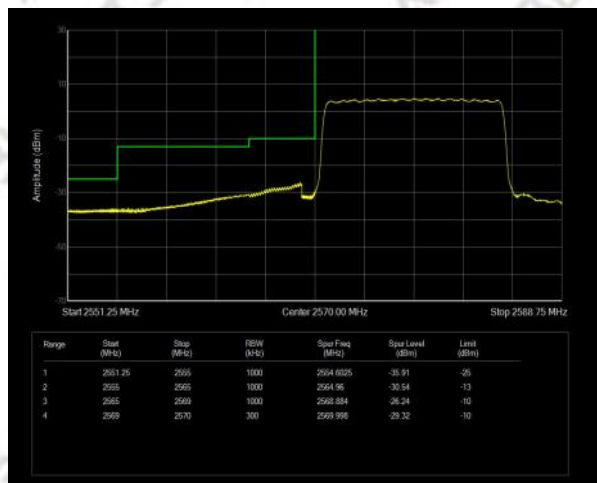


Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



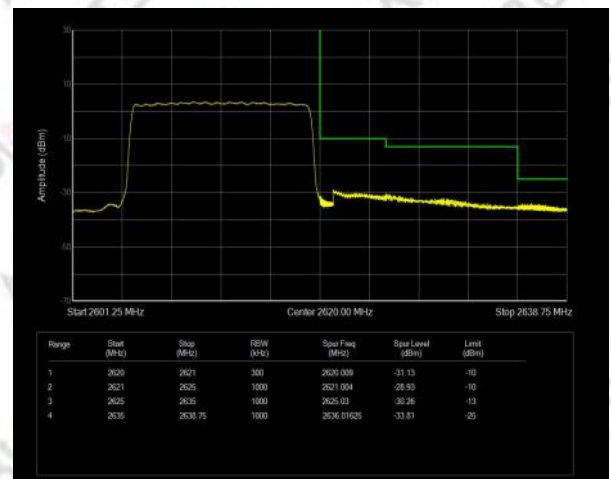
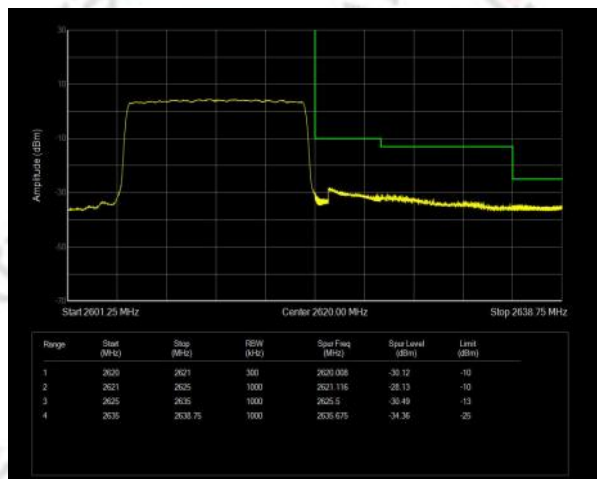
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



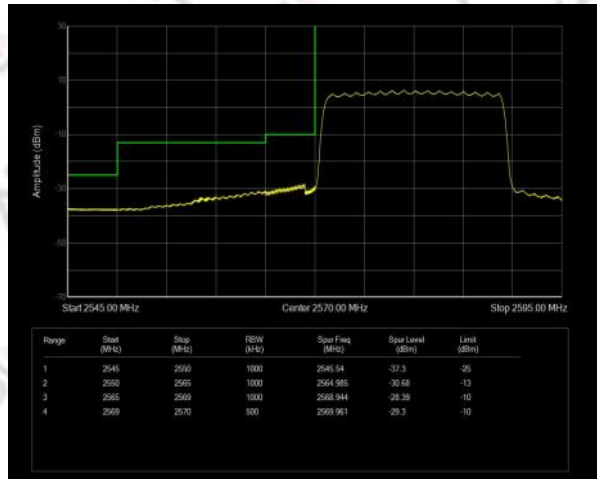
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0

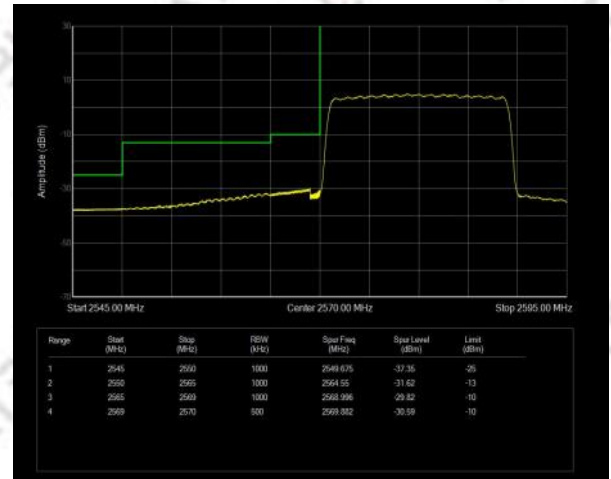


Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

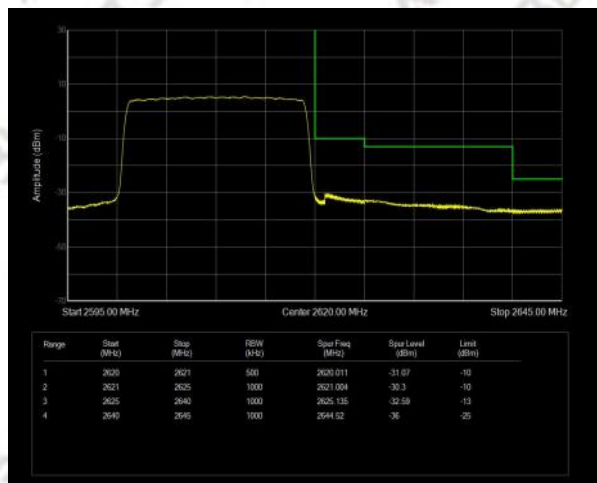
Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



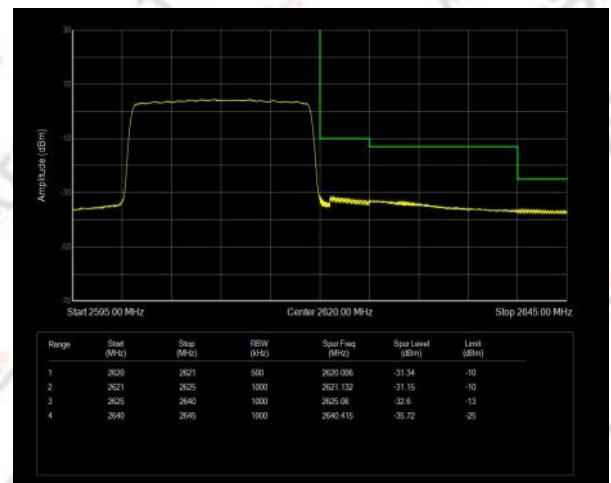
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



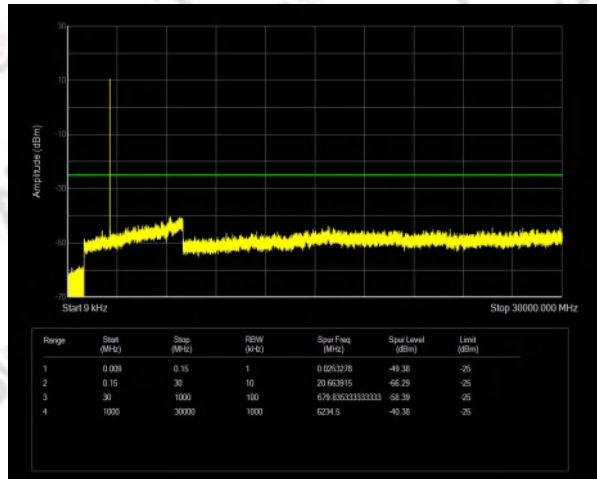
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



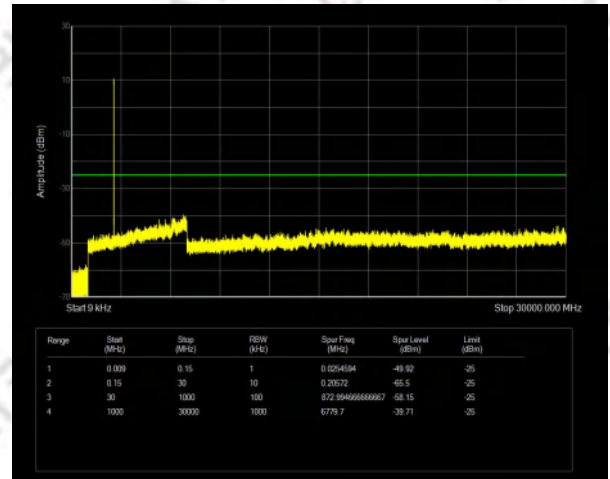
Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

A6 - Out-of-band emissions

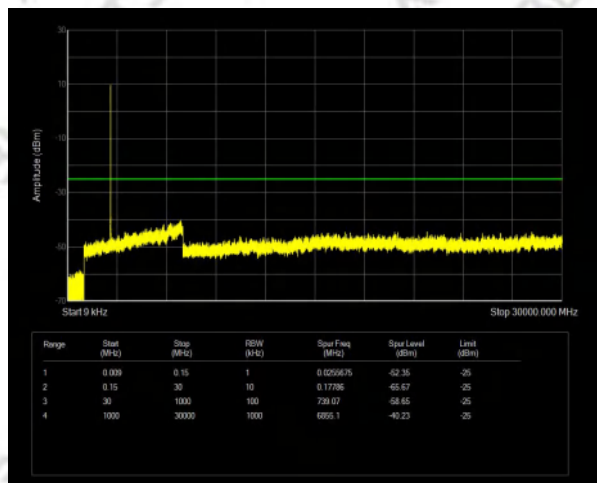
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	6779.7	-39.71	-25	PASS
Band38	5	38225	25	#0	QAM16	6810.63	-40.31	-25	PASS
Band38	10	37800	50	#0	QAM16	6885.07	-39.95	-25	PASS
Band38	10	38200	50	#0	QAM16	6826.1	-40.92	-25	PASS
Band38	15	37825	75	#0	QAM16	6763.27	-40.64	-25	PASS
Band38	15	38175	75	#0	QAM16	6859.93	-39.72	-25	PASS
Band38	20	37850	100	#0	QAM16	6663.7	-39.53	-25	PASS
Band38	20	38150	100	#0	QAM16	6193.9	-39.87	-25	PASS
Band38	5	37775	25	#0	QPSK	6234.5	-40.38	-25	PASS
Band38	5	38225	25	#0	QPSK	6855.1	-40.23	-25	PASS
Band38	10	37800	50	#0	QPSK	6911.17	-40.32	-25	PASS
Band38	10	38200	50	#0	QPSK	6714.93	-40.29	-25	PASS
Band38	15	37825	75	#0	QPSK	6745.87	-39.02	-25	PASS
Band38	15	38175	75	#0	QPSK	6736.2	-39.34	-25	PASS
Band38	20	37850	100	#0	QPSK	6826.1	-39.77	-25	PASS
Band38	20	38150	100	#0	QPSK	6679.17	-39.85	-25	PASS



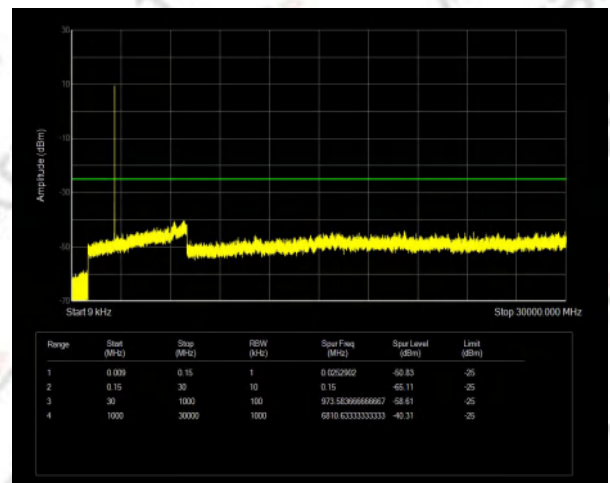
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



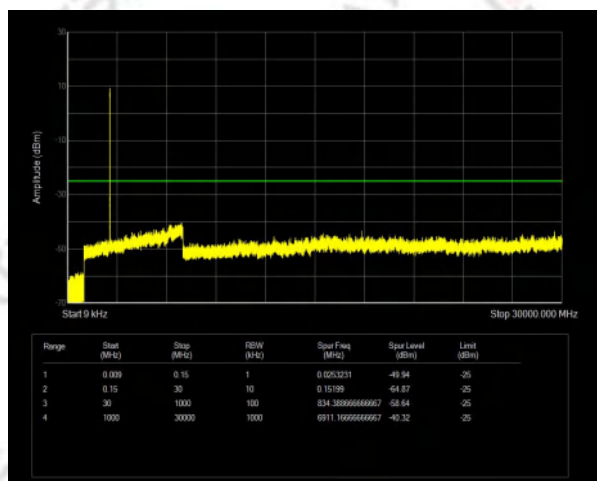
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



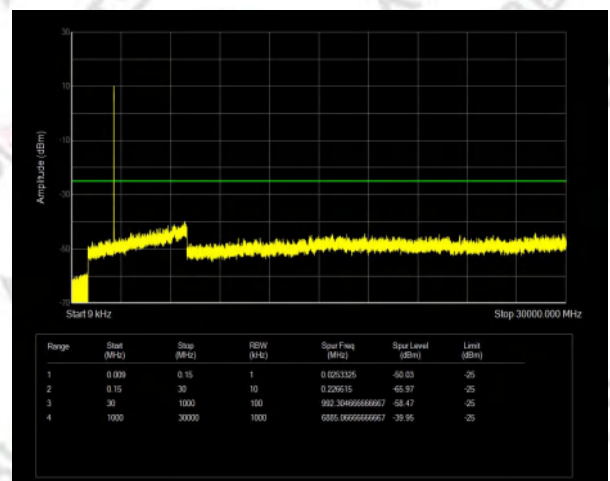
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



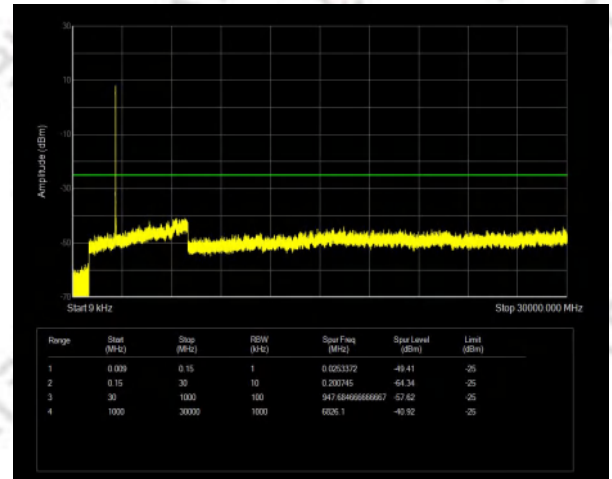
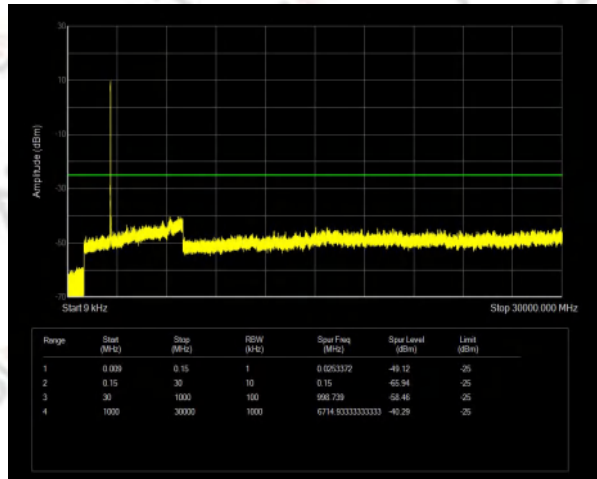
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

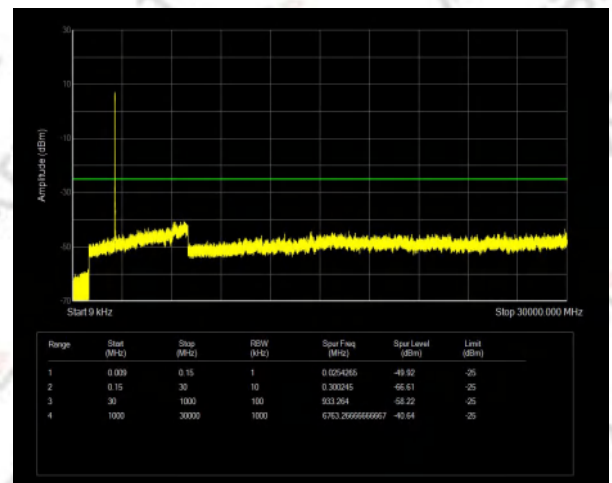
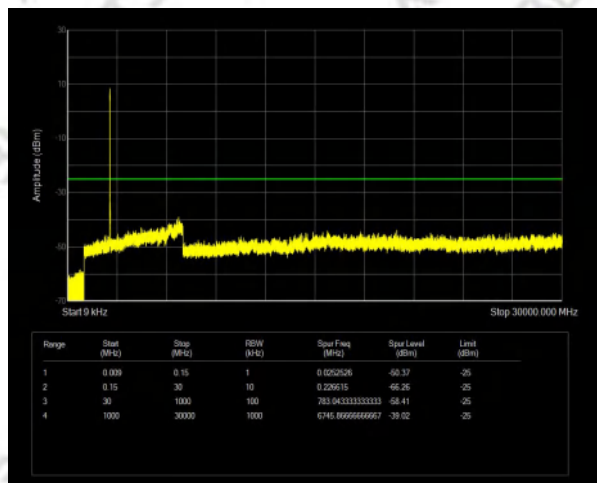


Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



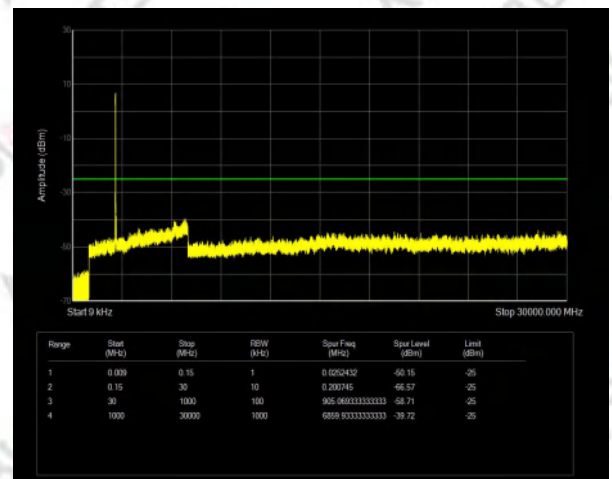
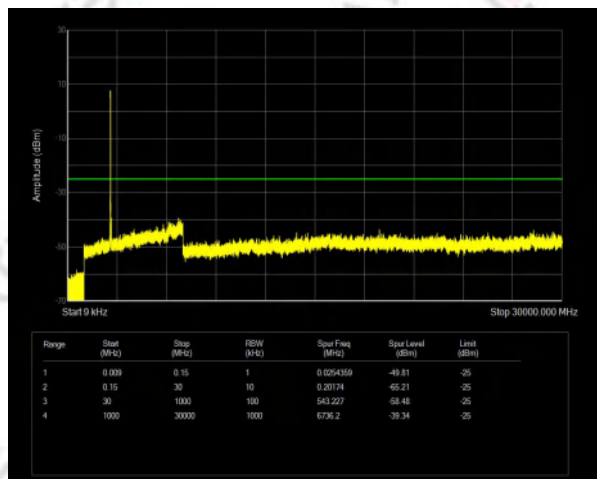
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



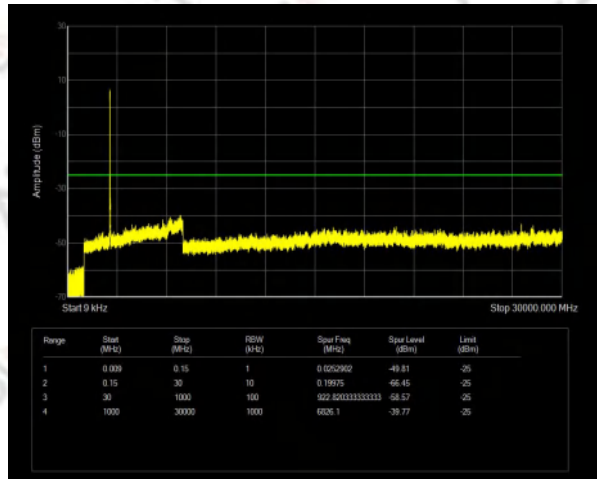
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0

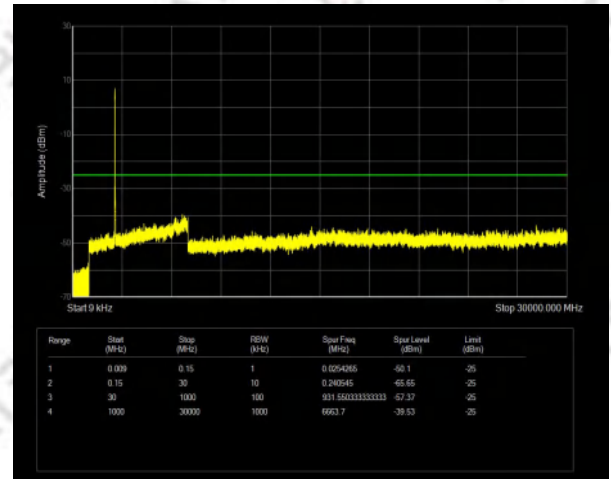


Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

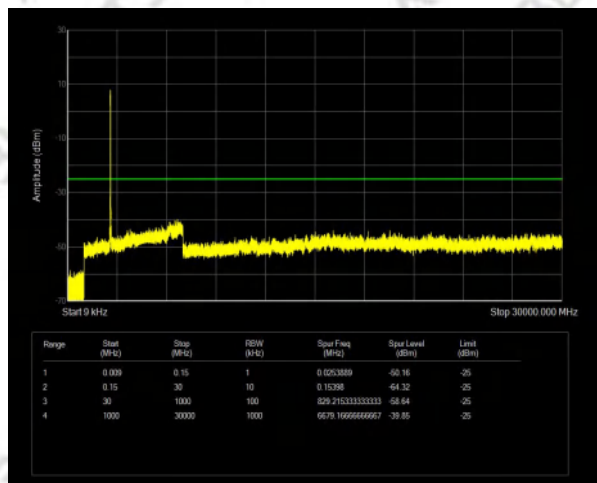
Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



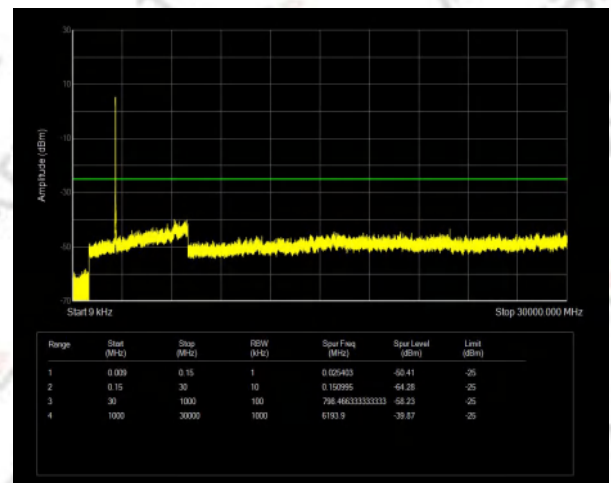
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

LTE Band 41

A1 - Conducted output power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	1	#0	QAM16	23.56	1.44	25.00	33	PASS
Band41(2535-2655)	5	40065	1	#Mid	QAM16	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	40065	1	#Max	QAM16	23.55	1.44	24.99	33	PASS
Band41(2535-2655)	5	40065	12	#0	QAM16	22.59	1.44	24.03	33	PASS
Band41(2535-2655)	5	40065	12	#Mid	QAM16	22.58	1.44	24.02	33	PASS
Band41(2535-2655)	5	40065	12	#Max	QAM16	22.54	1.44	23.98	33	PASS
Band41(2535-2655)	5	40065	25	#0	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	5	40640	1	#0	QAM16	23.47	1.44	24.91	33	PASS
Band41(2535-2655)	5	40640	1	#Mid	QAM16	23.17	1.44	24.61	33	PASS
Band41(2535-2655)	5	40640	1	#Max	QAM16	23.21	1.44	24.65	33	PASS
Band41(2535-2655)	5	40640	12	#0	QAM16	22.51	1.44	23.95	33	PASS
Band41(2535-2655)	5	40640	12	#Mid	QAM16	22.52	1.44	23.96	33	PASS
Band41(2535-2655)	5	40640	12	#Max	QAM16	22.49	1.44	23.93	33	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	22.60	1.44	24.04	33	PASS
Band41(2535-2655)	5	41215	1	#0	QAM16	23.39	1.44	24.83	33	PASS
Band41(2535-2655)	5	41215	1	#Mid	QAM16	23.53	1.44	24.97	33	PASS
Band41(2535-2655)	5	41215	1	#Max	QAM16	23.48	1.44	24.92	33	PASS
Band41(2535-2655)	5	41215	12	#0	QAM16	22.79	1.44	24.23	33	PASS
Band41(2535-2655)	5	41215	12	#Mid	QAM16	22.92	1.44	24.36	33	PASS
Band41(2535-2655)	5	41215	12	#Max	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	22.69	1.44	24.13	33	PASS
Band41(2535-2655)	10	40090	1	#0	QAM16	24.05	1.44	25.49	33	PASS
Band41(2535-2655)	10	40090	1	#Mid	QAM16	24.33	1.44	25.77	33	PASS
Band41(2535-2655)	10	40090	1	#Max	QAM16	24.25	1.44	25.69	33	PASS
Band41(2535-2655)	10	40090	25	#0	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	10	40090	25	#Mid	QAM16	22.85	1.44	24.29	33	PASS
Band41(2535-2655)	10	40090	25	#Max	QAM16	22.96	1.44	24.40	33	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	22.70	1.44	24.14	33	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	22.92	1.44	24.36	33	PASS
Band41(2535-2655)	10	40640	1	#Mid	QAM16	22.88	1.44	24.32	33	PASS
Band41(2535-2655)	10	40640	1	#Max	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	10	40640	25	#0	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	10	40640	25	#Mid	QAM16	22.65	1.44	24.09	33	PASS
Band41(2535-2655)	10	40640	25	#Max	QAM16	22.55	1.44	23.99	33	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	22.53	1.44	23.97	33	PASS
Band41(2535-2655)	10	41190	1	#0	QAM16	24.14	1.44	25.58	33	PASS
Band41(2535-2655)	10	41190	1	#Mid	QAM16	24.24	1.44	25.68	33	PASS
Band41(2535-2655)	10	41190	1	#Max	QAM16	24.26	1.44	25.70	33	PASS
Band41(2535-2655)	10	41190	25	#0	QAM16	22.62	1.44	24.06	33	PASS

Band41(2535-2655)	10	41190	25	#Mid	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	10	41190	25	#Max	QAM16	22.76	1.44	24.20	33	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	22.69	1.44	24.13	33	PASS
Band41(2535-2655)	15	40115	1	#0	QAM16	24.12	1.44	25.56	33	PASS
Band41(2535-2655)	15	40115	1	#Mid	QAM16	24.31	1.44	25.75	33	PASS
Band41(2535-2655)	15	40115	1	#Max	QAM16	24.42	1.44	25.86	33	PASS
Band41(2535-2655)	15	40115	36	#0	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	15	40115	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band41(2535-2655)	15	40115	36	#Max	QAM16	22.79	1.44	24.23	33	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	22.77	1.44	24.21	33	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	22.65	1.44	24.09	33	PASS
Band41(2535-2655)	15	40640	1	#Mid	QAM16	23.11	1.44	24.55	33	PASS
Band41(2535-2655)	15	40640	1	#Max	QAM16	22.85	1.44	24.29	33	PASS
Band41(2535-2655)	15	40640	36	#0	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	15	40640	36	#Mid	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	15	40640	36	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	15	41165	1	#0	QAM16	23.56	1.44	25.00	33	PASS
Band41(2535-2655)	15	41165	1	#Mid	QAM16	23.73	1.44	25.17	33	PASS
Band41(2535-2655)	15	41165	1	#Max	QAM16	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	15	41165	36	#0	QAM16	22.56	1.44	24.00	33	PASS
Band41(2535-2655)	15	41165	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band41(2535-2655)	15	41165	36	#Max	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	20	40140	1	#0	QAM16	23.36	1.44	24.80	33	PASS
Band41(2535-2655)	20	40140	1	#Mid	QAM16	23.48	1.44	24.92	33	PASS
Band41(2535-2655)	20	40140	1	#Max	QAM16	23.44	1.44	24.88	33	PASS
Band41(2535-2655)	20	40140	50	#0	QAM16	22.87	1.44	24.31	33	PASS
Band41(2535-2655)	20	40140	50	#Mid	QAM16	22.97	1.44	24.41	33	PASS
Band41(2535-2655)	20	40140	50	#Max	QAM16	22.91	1.44	24.35	33	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	22.86	1.44	24.30	33	PASS
Band41(2535-2655)	20	40640	1	#0	QAM16	22.41	1.44	23.85	33	PASS
Band41(2535-2655)	20	40640	1	#Mid	QAM16	22.84	1.44	24.28	33	PASS
Band41(2535-2655)	20	40640	1	#Max	QAM16	23.05	1.44	24.49	33	PASS
Band41(2535-2655)	20	40640	50	#0	QAM16	22.41	1.44	23.85	33	PASS
Band41(2535-2655)	20	40640	50	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	20	40640	50	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	22.45	1.44	23.89	33	PASS
Band41(2535-2655)	20	41140	1	#0	QAM16	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	20	41140	1	#Mid	QAM16	23.70	1.44	25.14	33	PASS
Band41(2535-2655)	20	41140	1	#Max	QAM16	23.87	1.44	25.31	33	PASS
Band41(2535-2655)	20	41140	50	#0	QAM16	22.70	1.44	24.14	33	PASS
Band41(2535-2655)	20	41140	50	#Mid	QAM16	22.77	1.44	24.21	33	PASS
Band41(2535-2655)	20	41140	50	#Max	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	22.70	1.44	24.14	33	PASS

Band41(2535-2655)	5	40065	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	5	40065	1	#Mid	QPSK	25.26	1.44	26.70	33	PASS
Band41(2535-2655)	5	40065	1	#Max	QPSK	24.72	1.44	26.16	33	PASS
Band41(2535-2655)	5	40065	12	#0	QPSK	23.76	1.44	25.20	33	PASS
Band41(2535-2655)	5	40065	12	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	5	40065	12	#Max	QPSK	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	24.49	1.44	25.93	33	PASS
Band41(2535-2655)	5	40640	1	#Mid	QPSK	24.73	1.44	26.17	33	PASS
Band41(2535-2655)	5	40640	1	#Max	QPSK	24.47	1.44	25.91	33	PASS
Band41(2535-2655)	5	40640	12	#0	QPSK	23.64	1.44	25.08	33	PASS
Band41(2535-2655)	5	40640	12	#Mid	QPSK	23.73	1.44	25.17	33	PASS
Band41(2535-2655)	5	40640	12	#Max	QPSK	23.70	1.44	25.14	33	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	41215	1	#0	QPSK	24.64	1.44	26.08	33	PASS
Band41(2535-2655)	5	41215	1	#Mid	QPSK	24.95	1.44	26.39	33	PASS
Band41(2535-2655)	5	41215	1	#Max	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	5	41215	12	#0	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	5	41215	12	#Mid	QPSK	23.94	1.44	25.38	33	PASS
Band41(2535-2655)	5	41215	12	#Max	QPSK	23.84	1.44	25.28	33	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	23.87	1.44	25.31	33	PASS
Band41(2535-2655)	10	40090	1	#0	QPSK	24.57	1.44	26.01	33	PASS
Band41(2535-2655)	10	40090	1	#Mid	QPSK	24.98	1.44	26.42	33	PASS
Band41(2535-2655)	10	40090	1	#Max	QPSK	24.69	1.44	26.13	33	PASS
Band41(2535-2655)	10	40090	25	#0	QPSK	23.74	1.44	25.18	33	PASS
Band41(2535-2655)	10	40090	25	#Mid	QPSK	23.81	1.44	25.25	33	PASS
Band41(2535-2655)	10	40090	25	#Max	QPSK	23.82	1.44	25.26	33	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	23.77	1.44	25.21	33	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	24.76	1.44	26.20	33	PASS
Band41(2535-2655)	10	40640	1	#Mid	QPSK	24.80	1.44	26.24	33	PASS
Band41(2535-2655)	10	40640	1	#Max	QPSK	24.82	1.44	26.26	33	PASS
Band41(2535-2655)	10	40640	25	#0	QPSK	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	10	40640	25	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	10	40640	25	#Max	QPSK	23.62	1.44	25.06	33	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	23.57	1.44	25.01	33	PASS
Band41(2535-2655)	10	41190	1	#0	QPSK	24.63	1.44	26.07	33	PASS
Band41(2535-2655)	10	41190	1	#Mid	QPSK	24.86	1.44	26.30	33	PASS
Band41(2535-2655)	10	41190	1	#Max	QPSK	24.63	1.44	26.07	33	PASS
Band41(2535-2655)	10	41190	25	#0	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	10	41190	25	#Mid	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	10	41190	25	#Max	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	23.85	1.44	25.29	33	PASS
Band41(2535-2655)	15	40115	1	#0	QPSK	24.70	1.44	26.14	33	PASS
Band41(2535-2655)	15	40115	1	#Mid	QPSK	24.88	1.44	26.32	33	PASS
Band41(2535-2655)	15	40115	1	#Max	QPSK	24.89	1.44	26.33	33	PASS

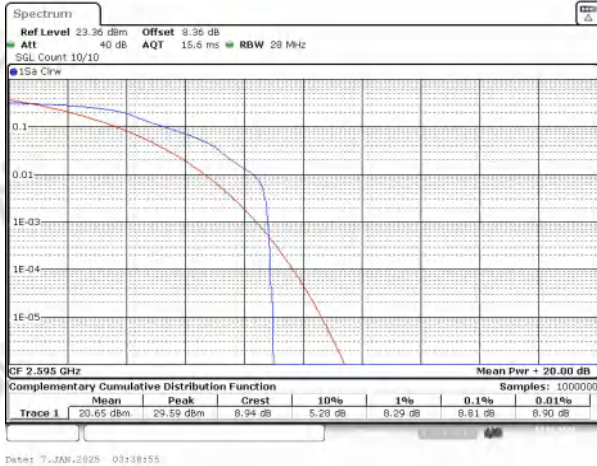
Band41(2535-2655)	15	40115	36	#0	QPSK	23.85	1.44	25.29	33	PASS
Band41(2535-2655)	15	40115	36	#Mid	QPSK	23.88	1.44	25.32	33	PASS
Band41(2535-2655)	15	40115	36	#Max	QPSK	23.82	1.44	25.26	33	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	23.85	1.44	25.29	33	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	15	40640	1	#Mid	QPSK	24.85	1.44	26.29	33	PASS
Band41(2535-2655)	15	40640	1	#Max	QPSK	24.88	1.44	26.32	33	PASS
Band41(2535-2655)	15	40640	36	#0	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	15	40640	36	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	15	40640	36	#Max	QPSK	23.63	1.44	25.07	33	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	23.53	1.44	24.97	33	PASS
Band41(2535-2655)	15	41165	1	#0	QPSK	24.66	1.44	26.10	33	PASS
Band41(2535-2655)	15	41165	1	#Mid	QPSK	24.85	1.44	26.29	33	PASS
Band41(2535-2655)	15	41165	1	#Max	QPSK	24.82	1.44	26.26	33	PASS
Band41(2535-2655)	15	41165	36	#0	QPSK	23.76	1.44	25.20	33	PASS
Band41(2535-2655)	15	41165	36	#Mid	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	15	41165	36	#Max	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	23.67	1.44	25.11	33	PASS
Band41(2535-2655)	20	40140	1	#0	QPSK	24.38	1.44	25.82	33	PASS
Band41(2535-2655)	20	40140	1	#Mid	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	20	40140	1	#Max	QPSK	24.61	1.44	26.05	33	PASS
Band41(2535-2655)	20	40140	50	#0	QPSK	23.79	1.44	25.23	33	PASS
Band41(2535-2655)	20	40140	50	#Mid	QPSK	23.89	1.44	25.33	33	PASS
Band41(2535-2655)	20	40140	50	#Max	QPSK	23.95	1.44	25.39	33	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	20	40640	1	#0	QPSK	24.49	1.44	25.93	33	PASS
Band41(2535-2655)	20	40640	1	#Mid	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	20	40640	1	#Max	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	20	40640	50	#0	QPSK	23.61	1.44	25.05	33	PASS
Band41(2535-2655)	20	40640	50	#Mid	QPSK	23.74	1.44	25.18	33	PASS
Band41(2535-2655)	20	40640	50	#Max	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	23.61	1.44	25.05	33	PASS
Band41(2535-2655)	20	41140	1	#0	QPSK	24.93	1.44	26.37	33	PASS
Band41(2535-2655)	20	41140	1	#Mid	QPSK	24.99	1.44	26.43	33	PASS
Band41(2535-2655)	20	41140	1	#Max	QPSK	25.04	1.44	26.48	33	PASS
Band41(2535-2655)	20	41140	50	#0	QPSK	23.80	1.44	25.24	33	PASS
Band41(2535-2655)	20	41140	50	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	20	41140	50	#Max	QPSK	23.77	1.44	25.21	33	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	23.65	1.44	25.09	33	PASS

A2 - Frequency stability

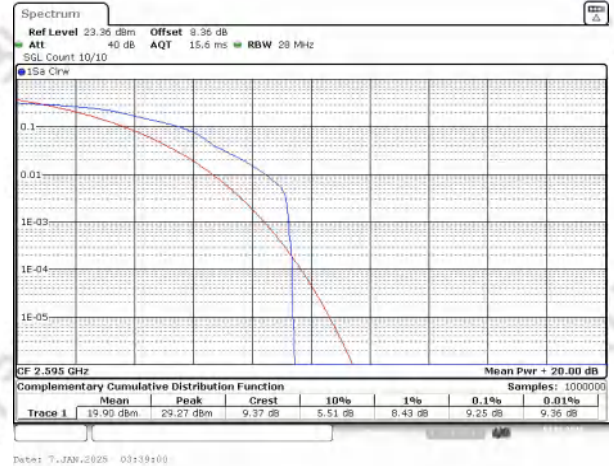
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band41(2535-2655)	20	40140	100	#0	QAM16	5.43	0.002	-2.5	2.5	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	-3.25	-0.001	-2.5	2.5	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	5	0.002	-2.5	2.5	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	-0.48	0	-2.5	2.5	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	-2.15	-0.001	-2.5	2.5	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	5.45	0.002	-2.5	2.5	PASS

A3 - Peak-to-Average Ratio

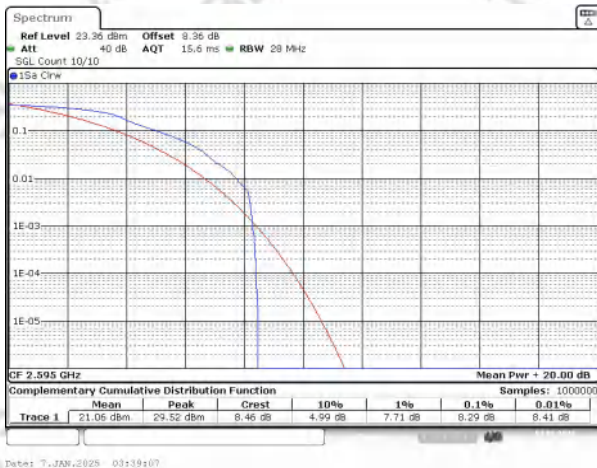
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41(2535-2655)	5	40640	1	#0	QAM16	9.25	13	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	9.62	13	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	9.65	13	PASS
Band41(2535-2655)	20	40640	1	#0	QAM16	9.22	13	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	8.81	13	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	8.29	13	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	8.29	13	PASS
Band41(2535-2655)	20	40640	1	#0	QPSK	8.32	13	PASS



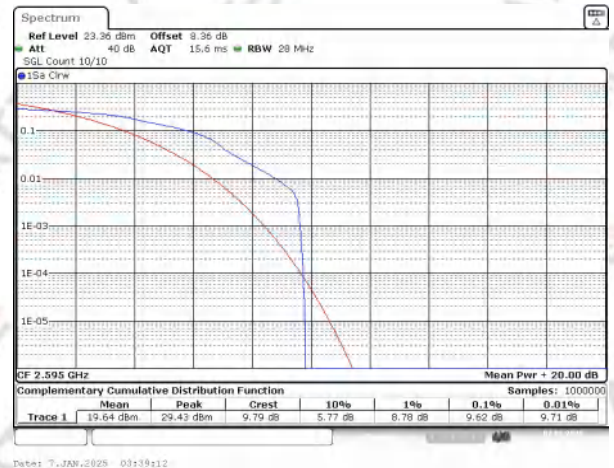
Band41(2535-2655) QPSK BW=5MHz Channel=40640 RB Size=1
Position=#0



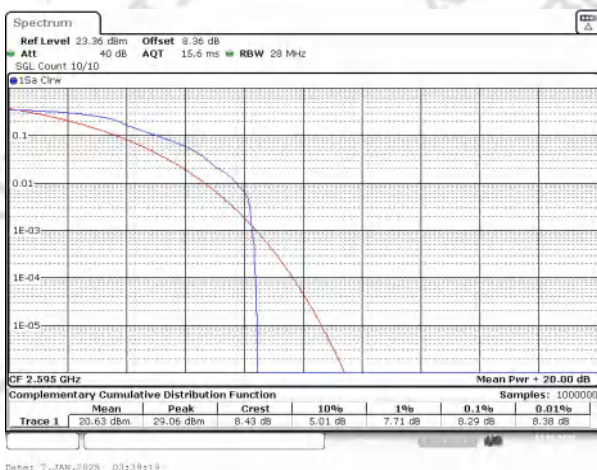
Band41(2535-2655) QAM16 BW=5MHz Channel=40640 RB Size=1
Position=#0



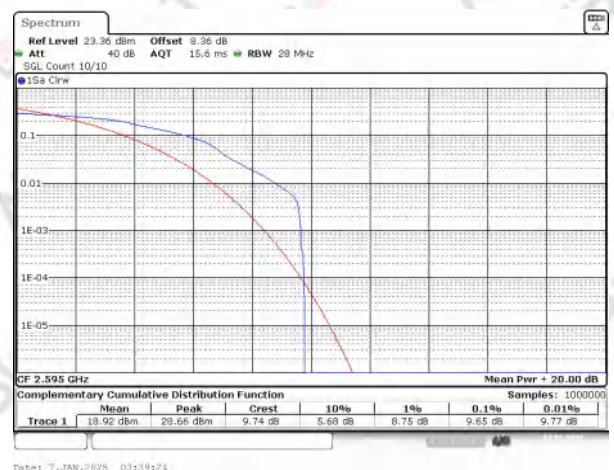
Band41(2535-2655) QPSK BW=10MHz Channel=40640 RB Size=1
Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=40640 RB Size=1
Position=#0



Band41(2535-2655) QPSK BW=15MHz Channel=40640 RB Size=1
Position=#0

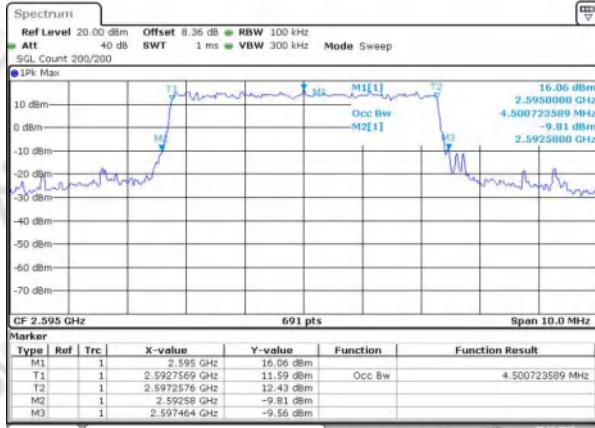


Band41(2535-2655) QAM16 BW=15MHz Channel=40640 RB Size=1
Position=#0



A4 - Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	4.501	4.884	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	4.515	5.13	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	4.501	4.87	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	8.973	10.232	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	8.944	10	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	8.973	9.681	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	13.415	15.391	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	13.459	14.913	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	13.546	14.609	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	17.945	19.594	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	17.887	20	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	17.887	19.594	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	4.486	4.971	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	4.501	4.884	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	4.501	5.087	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	8.944	10.551	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	8.973	9.768	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	8.944	9.739	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	13.415	15.522	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	13.415	14.522	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	13.415	14.652	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	17.945	24	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	17.945	19.42	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	17.887	20.058	PASS



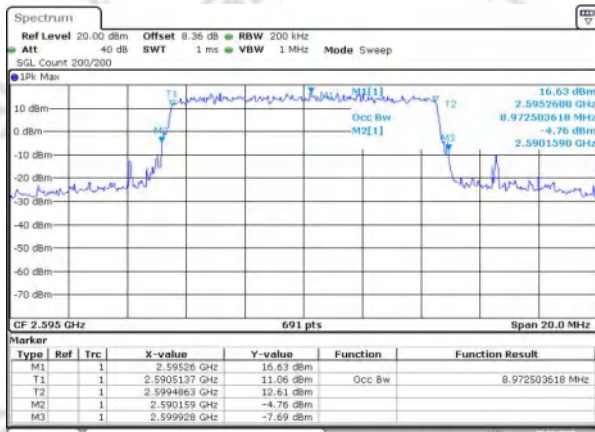
Date: 25.MAR.2025 23:06:24

Band41(2535-2655) QPSK BW=5MHz Channel=40640 RB Size=25
Position=#0



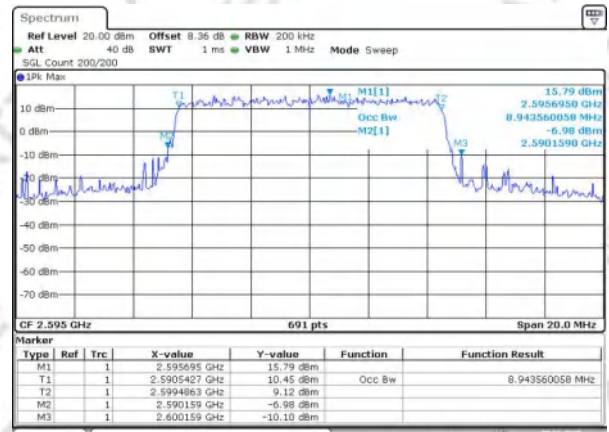
Date: 25.MAR.2025 23:06:30

Band41(2535-2655) QAM16 BW=5MHz Channel=40640 RB Size=25
Position=#0



Date: 25.MAR.2025 23:07:06

Band41(2535-2655) QPSK BW=10MHz Channel=40640 RB Size=50
Position=#0



Date: 25.MAR.2025 23:07:12

Band41(2535-2655) QAM16 BW=10MHz Channel=40640 RB Size=50
Position=#0



Date: 25.MAR.2025 23:07:50

Band41(2535-2655) QPSK BW=15MHz Channel=40640 RB Size=75
Position=#0

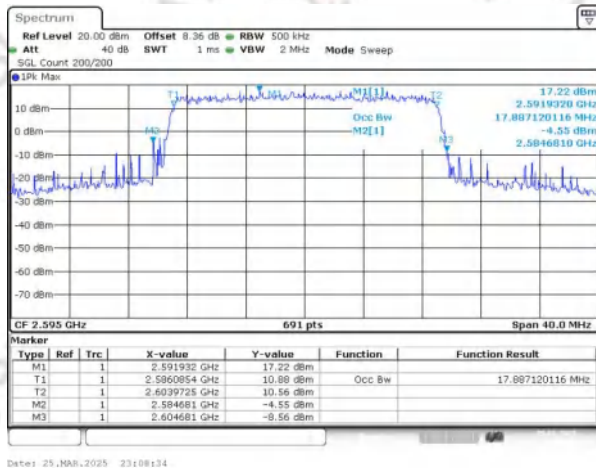


Date: 25.MAR.2025 23:07:55

Band41(2535-2655) QAM16 BW=15MHz Channel=40640 RB Size=75
Position=#0



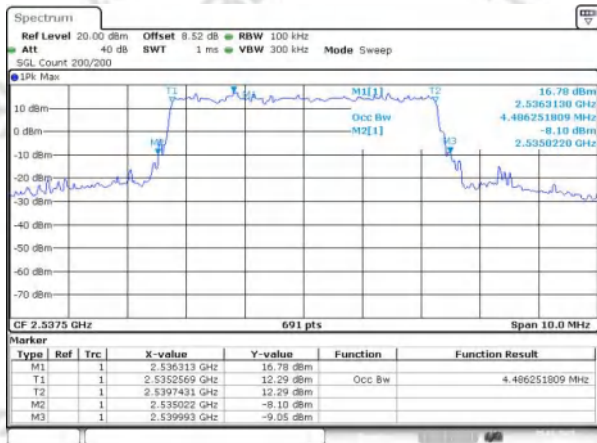
Date: 25.MAR.2025 23:08:29



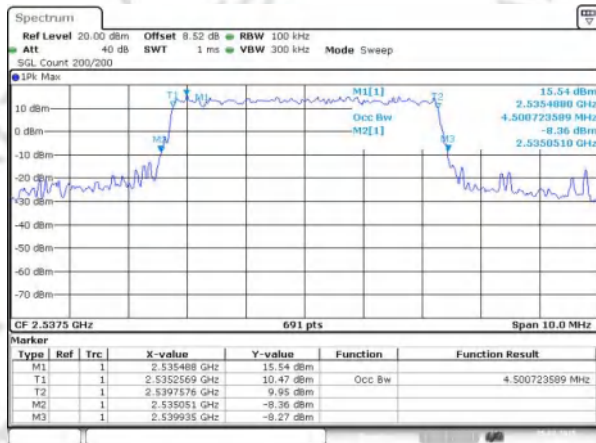
Date: 25.MAR.2025 23:08:34

Band41(2535-2655) QPSK BW=20MHz Channel=40640 RB Size=100
Position=#0

Band41(2535-2655) QAM16 BW=20MHz Channel=40640 RB Size=100
Position=#0



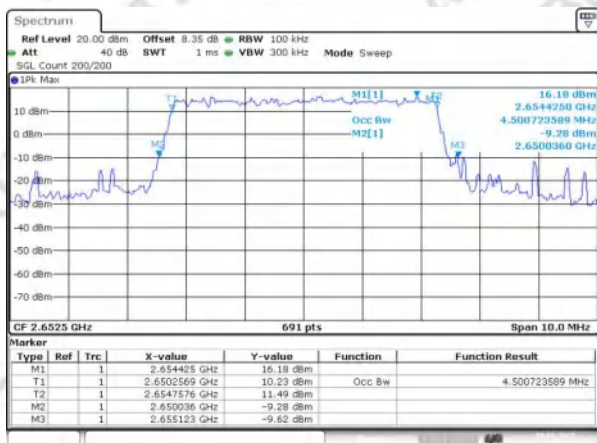
Date: 25.MAR.2025 23:06:12



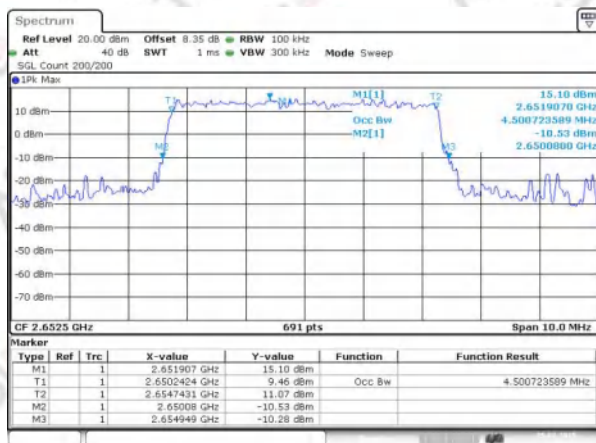
Date: 25.MAR.2025 23:06:17

Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25
Position=#0

Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25
Position=#0



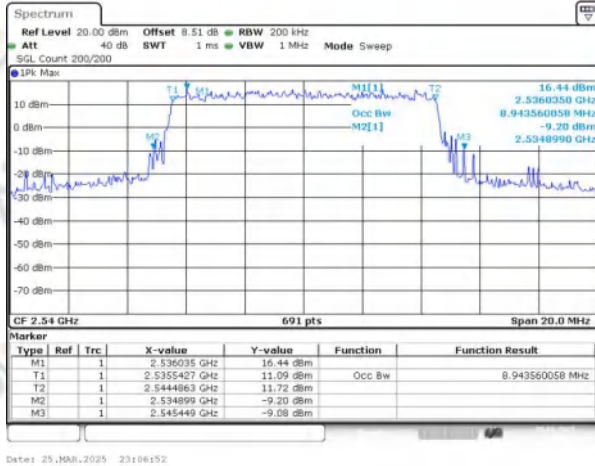
Date: 25.MAR.2025 23:06:37



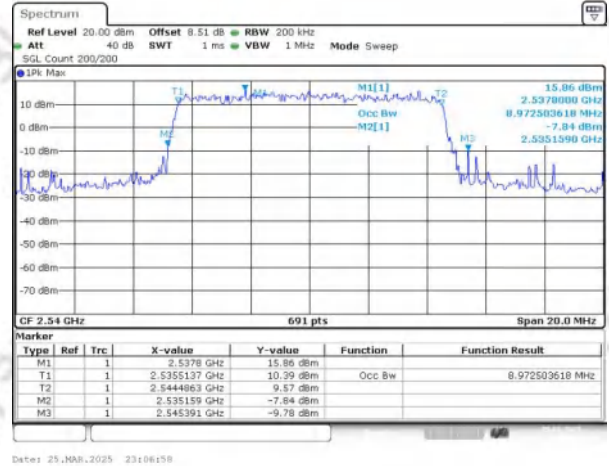
Date: 25.MAR.2025 23:06:42

Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25
Position=#0

Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25
Position=#0



Date: 25.MAR.2025 23:06:52



Date: 25.MAR.2025 23:06:58

Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50
Position=#0

Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50
Position=#0



Date: 25.MAR.2025 23:07:20



Date: 25.MAR.2025 23:07:26

Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50
Position=#0

Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50
Position=#0



Date: 25.MAR.2025 23:07:38



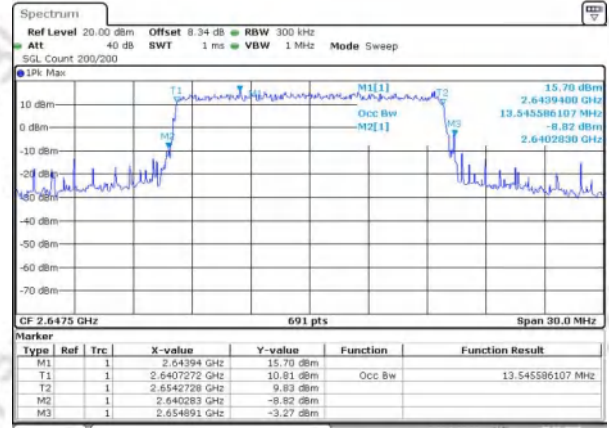
Date: 25.MAR.2025 23:07:43

Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75
Position=#0

Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75
Position=#0



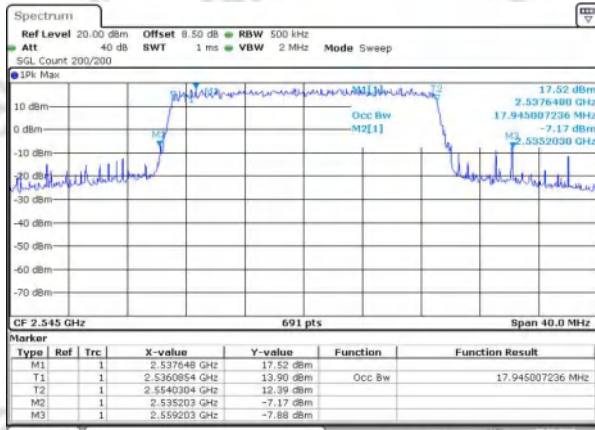
Date: 25.MAR.2025 23:08:02



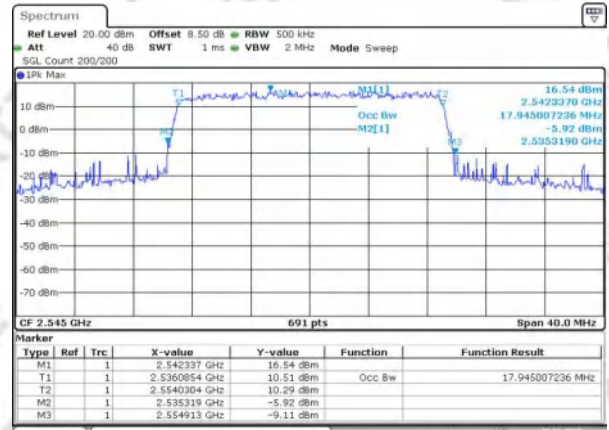
Date: 25.MAR.2025 23:08:07

Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75
Position=#0

Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75
Position=#0



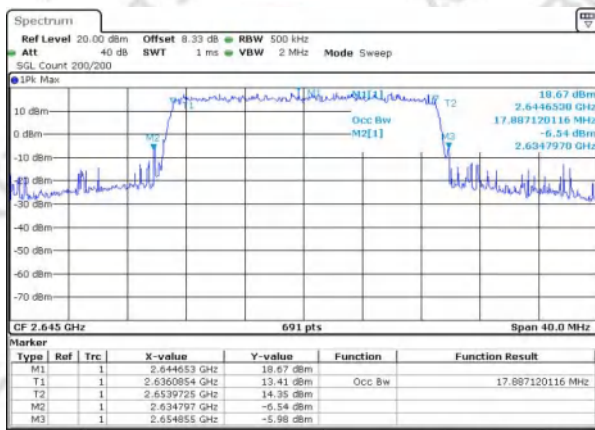
Date: 25.MAR.2025 23:08:17



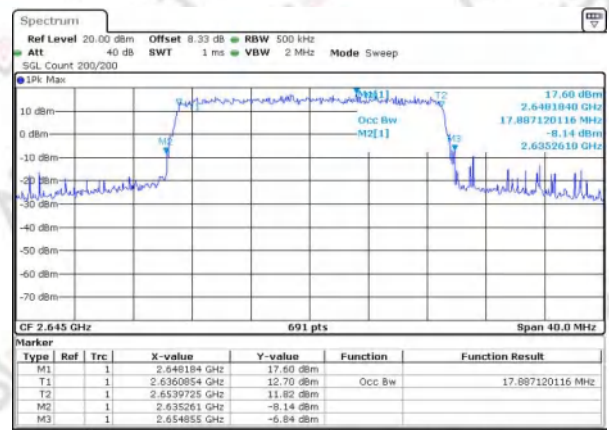
Date: 25.MAR.2025 23:08:22

Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100
Position=#0

Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100
Position=#0



Date: 25.MAR.2025 23:08:41



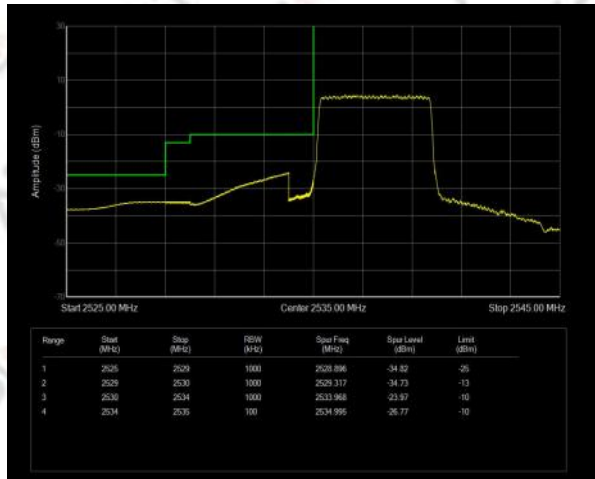
Date: 25.MAR.2025 23:08:47

Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100
Position=#0

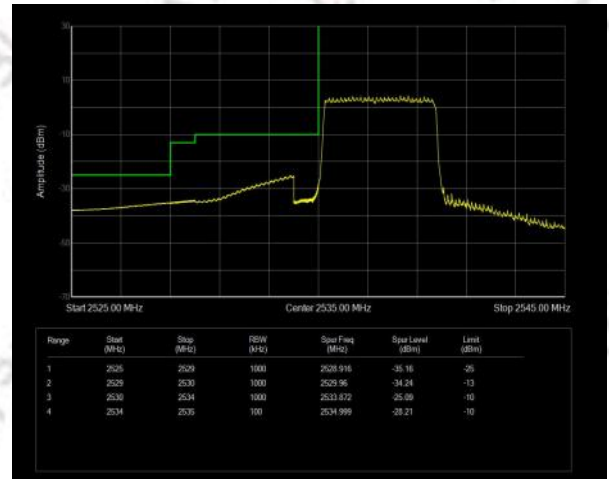
Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100
Position=#0

A5 - Band edge

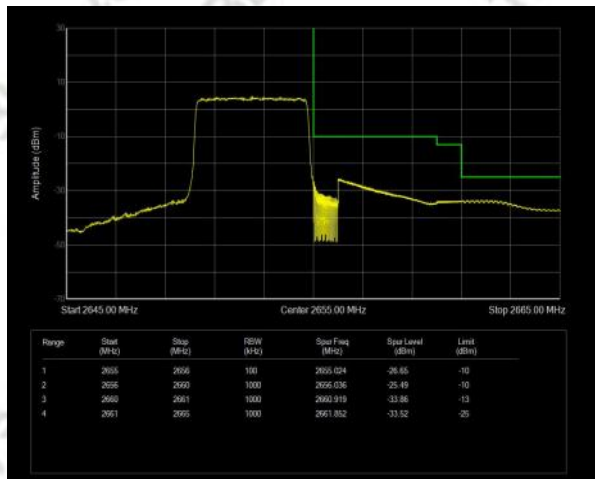
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	2528.92	-35.16	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	2661.15	-33.19	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	2524.15	-35.58	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	2666.73	-34.19	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	2519.54	-35.66	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	2671.33	-35.2	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	2514.9	-37.36	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	2675.02	-36.73	-25	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	2528.9	-34.82	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	2661.85	-33.52	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	2523.93	-35.99	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	2665.33	-34.6	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	2519.76	-36.25	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	2670.02	-35.19	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	2510.34	-37.32	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	2679.97	-36.6	-25	PASS



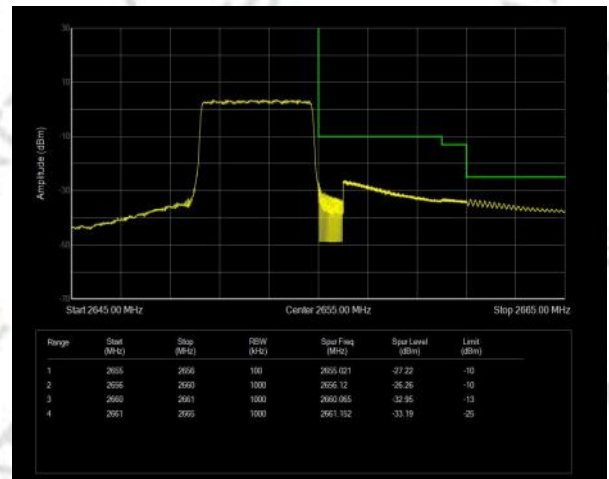
Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25
Position=#0



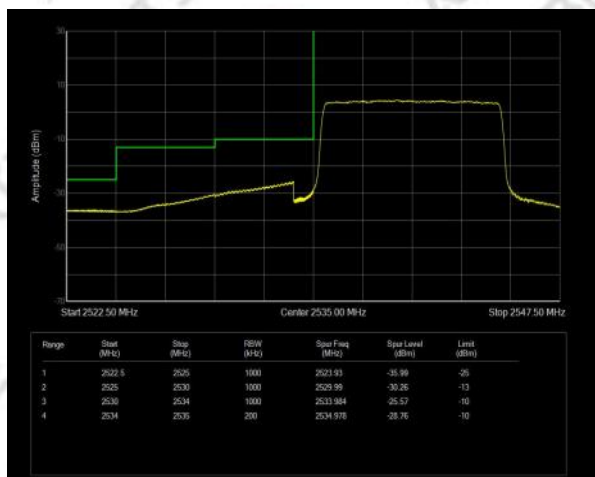
Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25
Position=#0



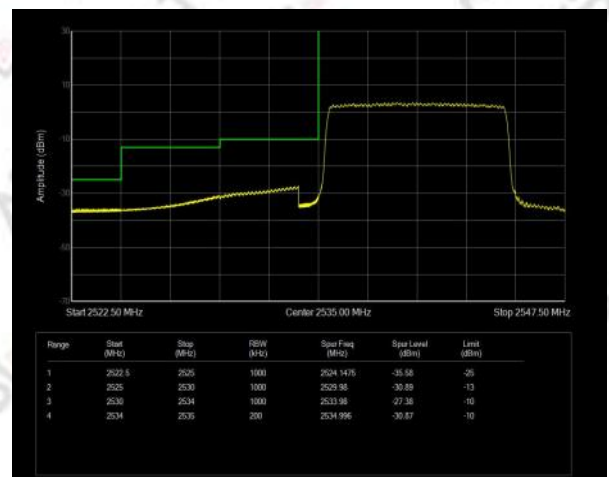
Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25
Position=#0



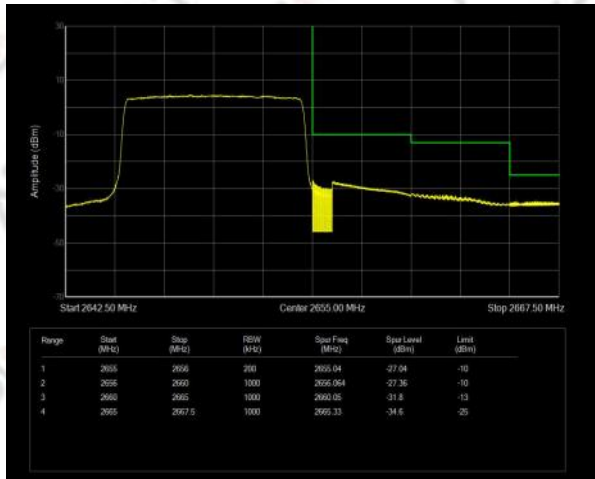
Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25
Position=#0



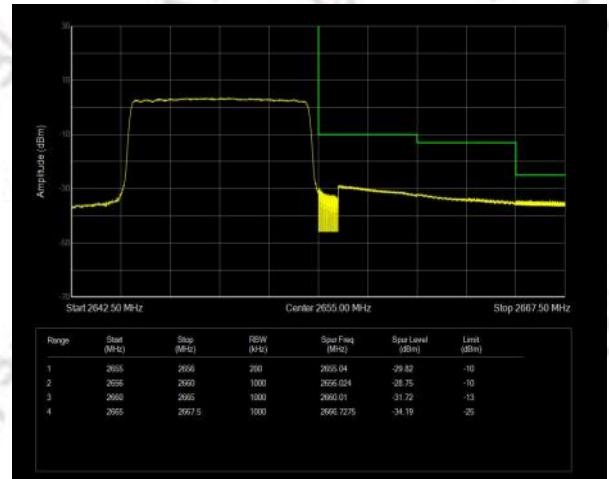
Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50
Position=#0



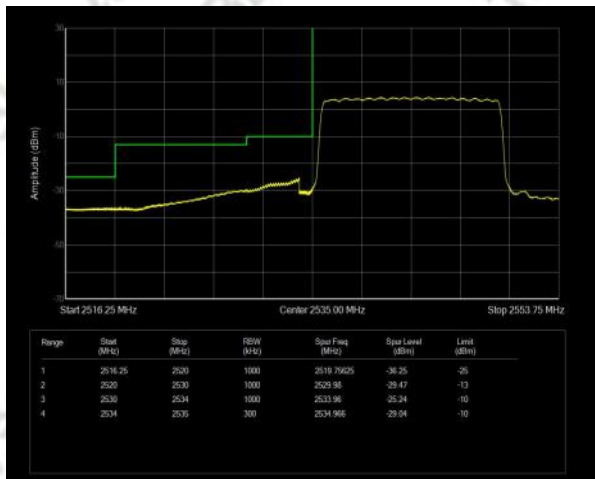
Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50
Position=#0



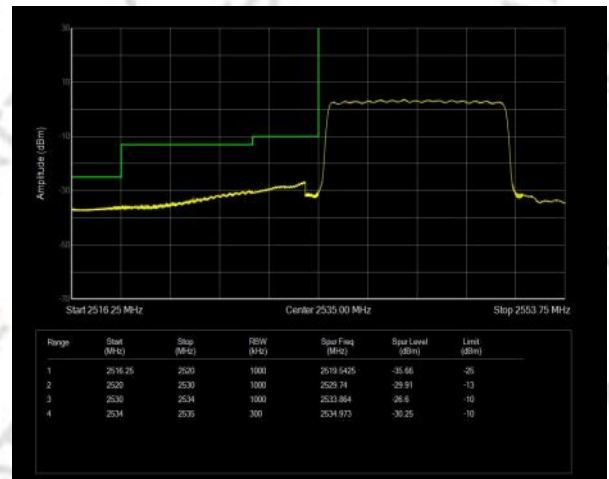
Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50
Position=#0



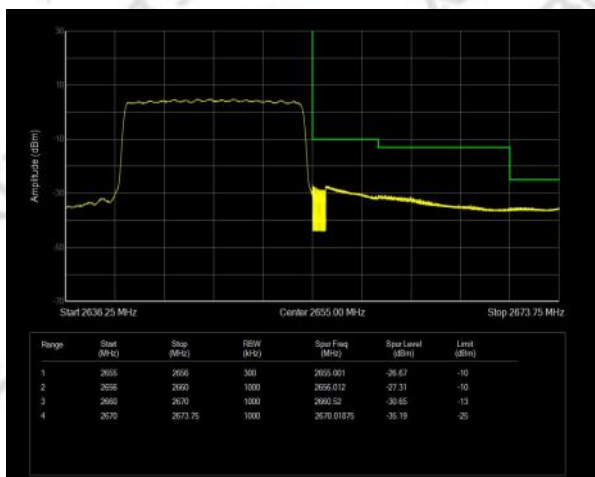
Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50
Position=#0



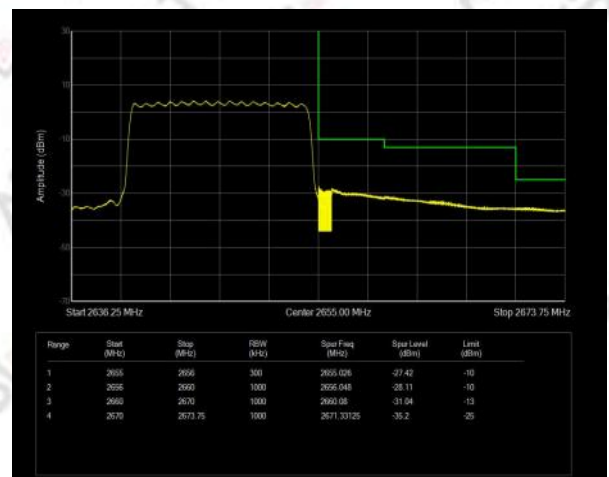
Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75
Position=#0



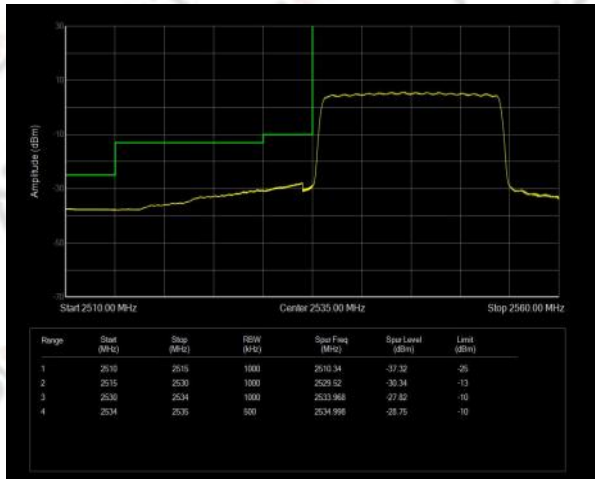
Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75
Position=#0



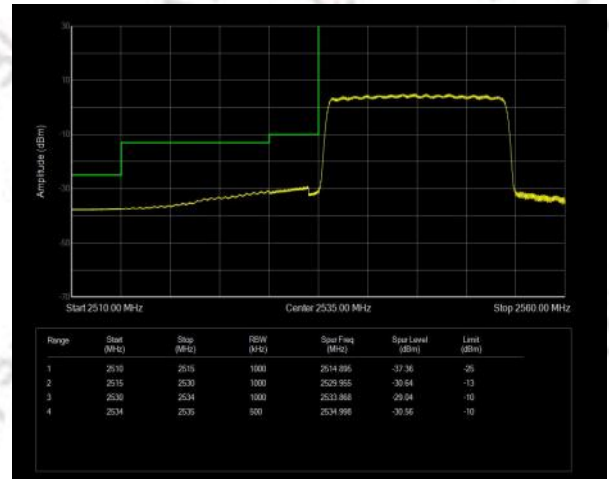
Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75
Position=#0



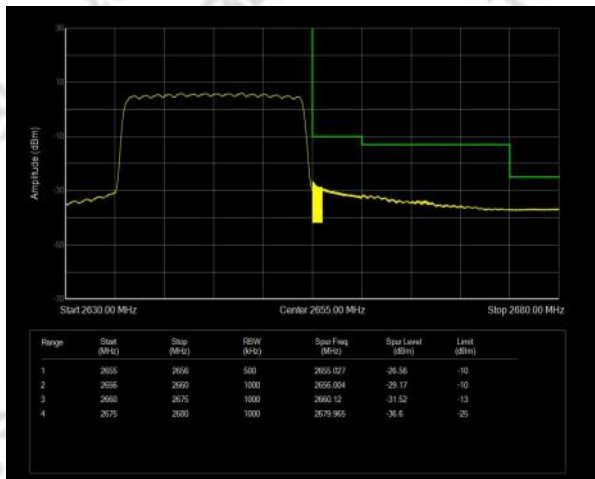
Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75
Position=#0



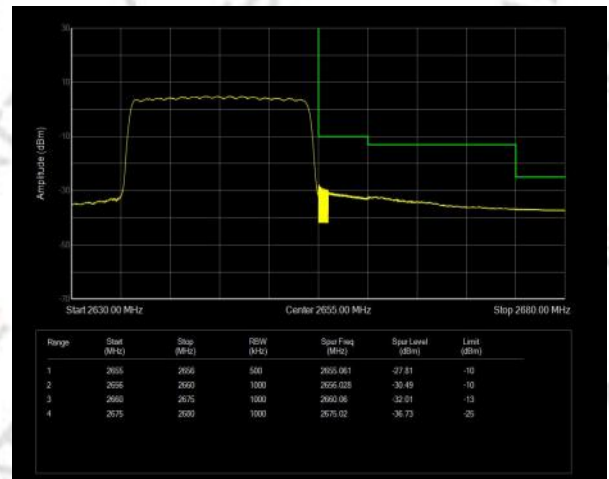
Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100
Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100
Position=#0



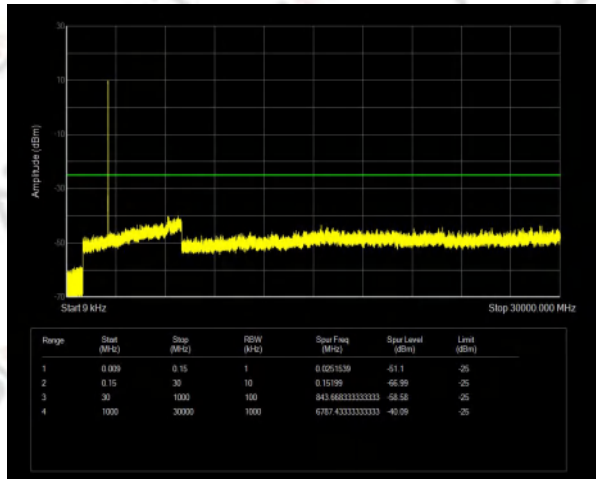
Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100
Position=#0



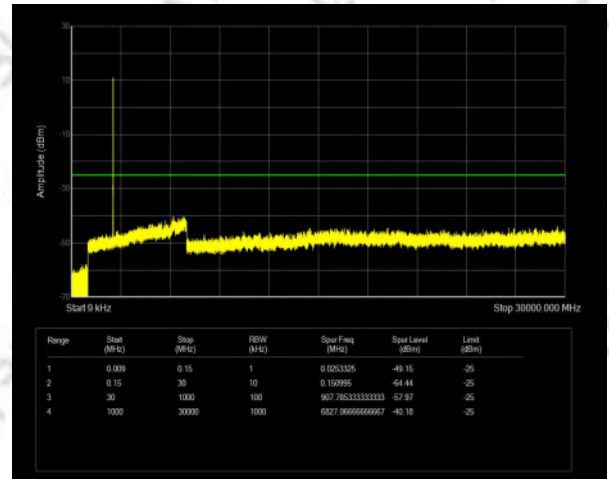
Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100
Position=#0

A6 - Out-of-band emissions

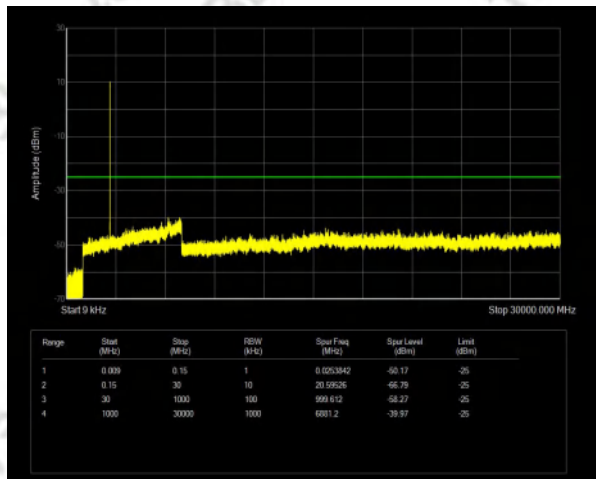
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	6827.07	-40.18	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	6778.73	-39.26	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	6825.13	-40.31	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	6927.6	-40.11	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	6851.23	-40.41	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	6803.87	-40.07	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	6737.17	-40.09	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	6806.77	-40.24	-25	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	6787.43	-40.09	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	6881.2	-39.97	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	6220.97	-40.13	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	6813.53	-39.24	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	6221.93	-39.24	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	6720.73	-39.72	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	6774.87	-39.56	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	6214.2	-40.1	-25	PASS



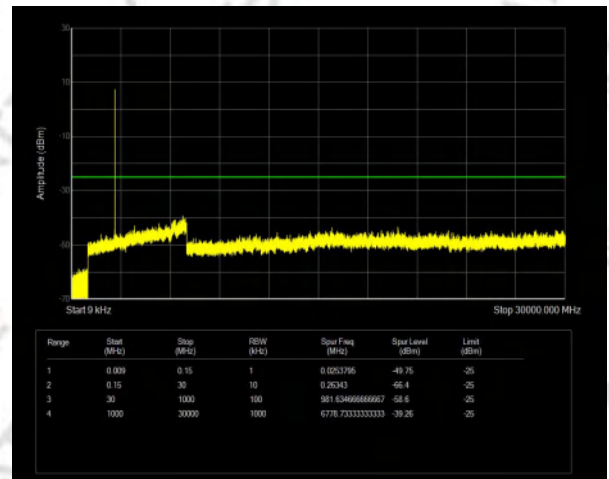
Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25
Position=#0



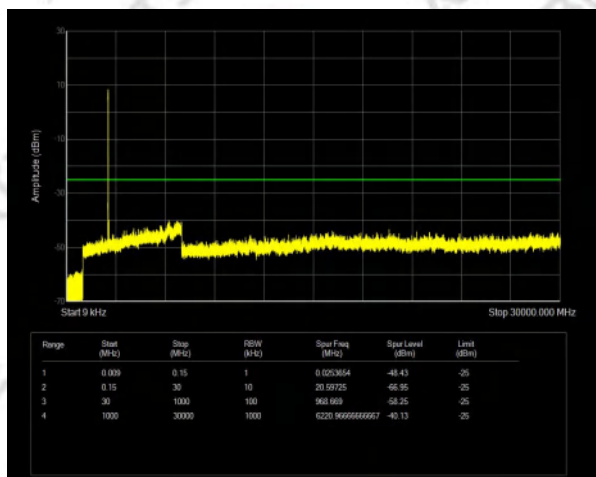
Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25
Position=#0



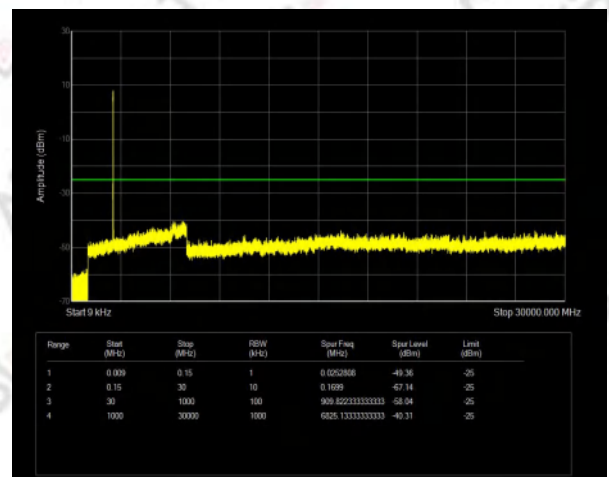
Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25
Position=#0



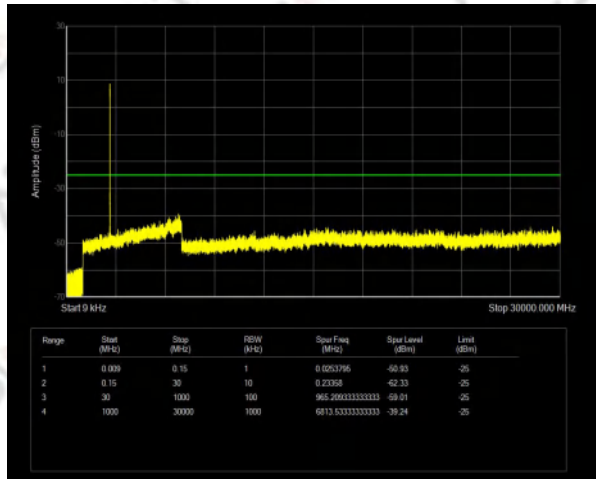
Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25
Position=#0



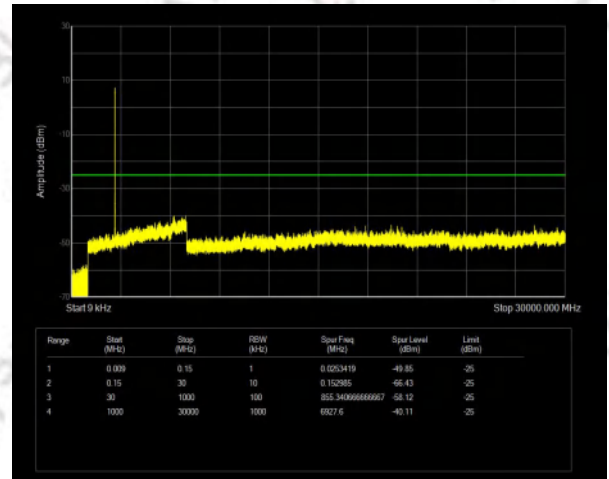
Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50
Position=#0



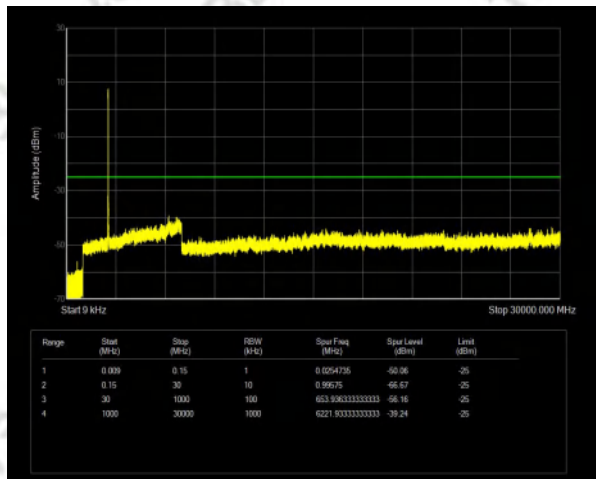
Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50
Position=#0



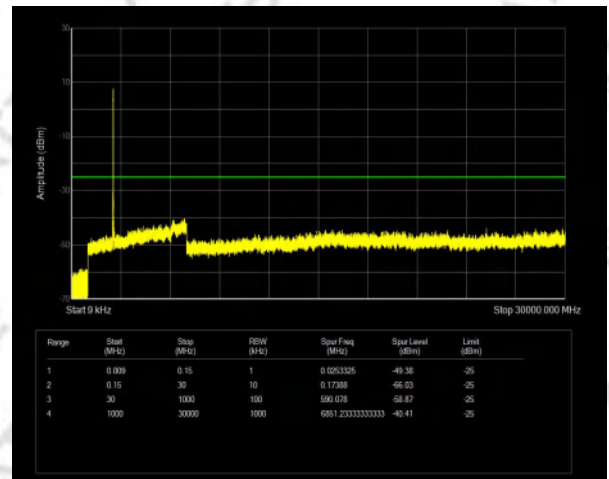
Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50
Position=#0



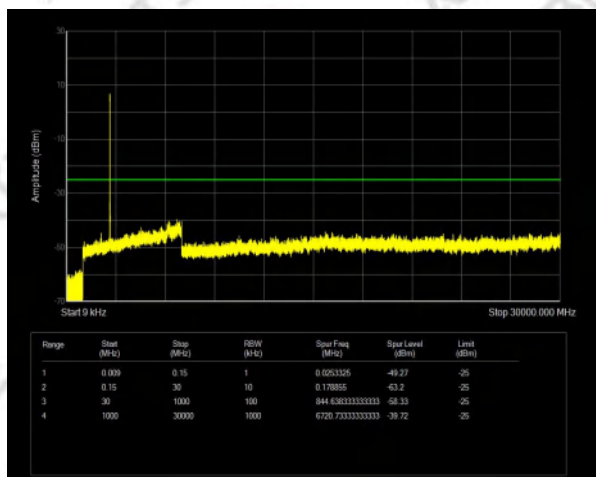
Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50
Position=#0



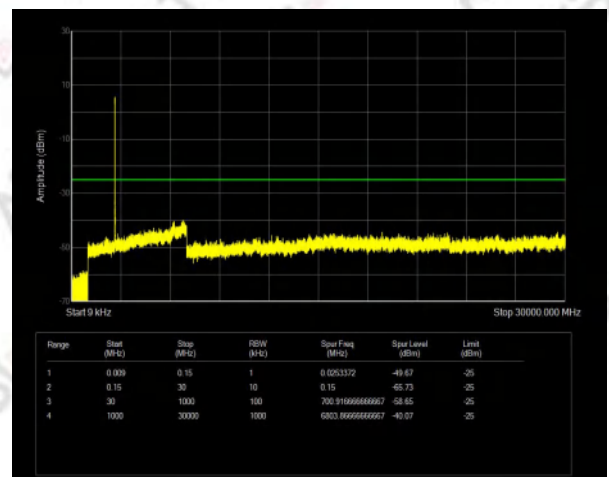
Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75
Position=#0



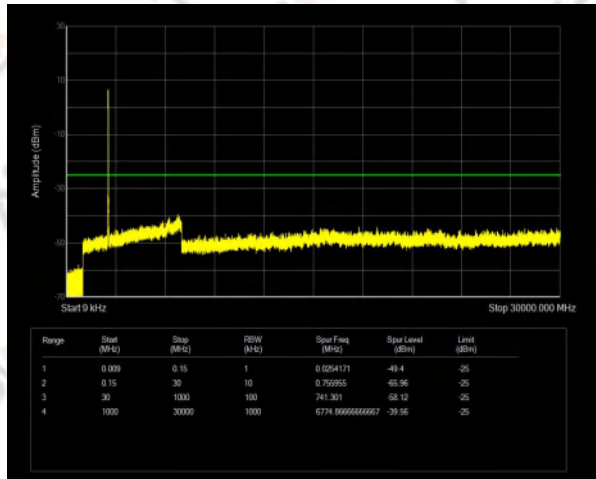
Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75
Position=#0



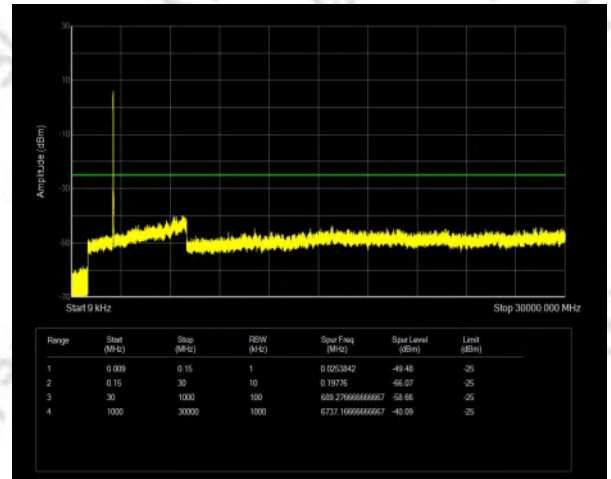
Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75
Position=#0



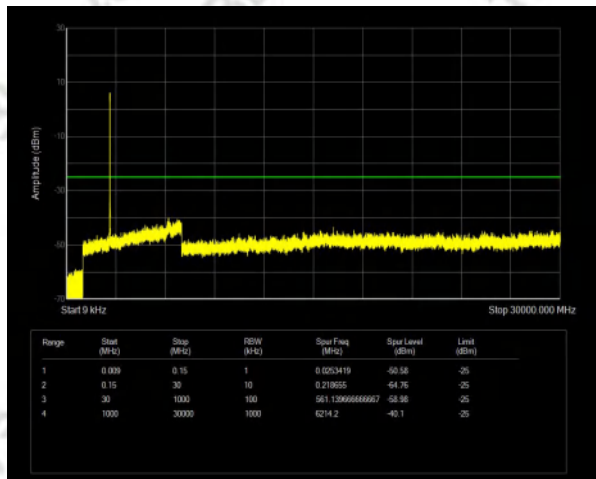
Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75
Position=#0



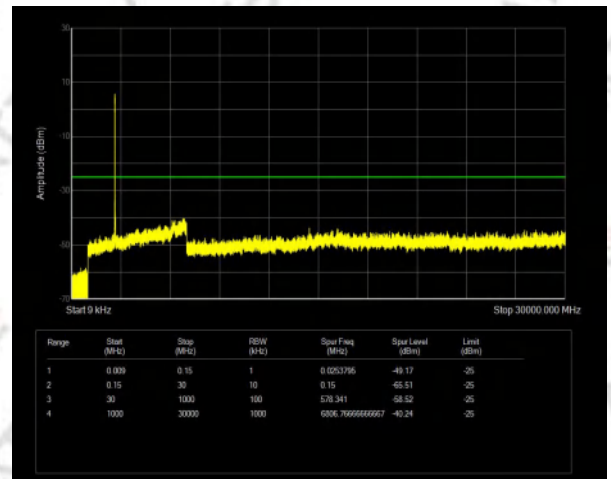
Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100
Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100
Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100
Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100
Position=#0

*****END OF APPENDIX A*****

Appendix B _ Radiated Test Data

For 30 MHz ~ 1 GHz

Note:All modes have been tested, only worst case mode was recorded in the test report if no any others.

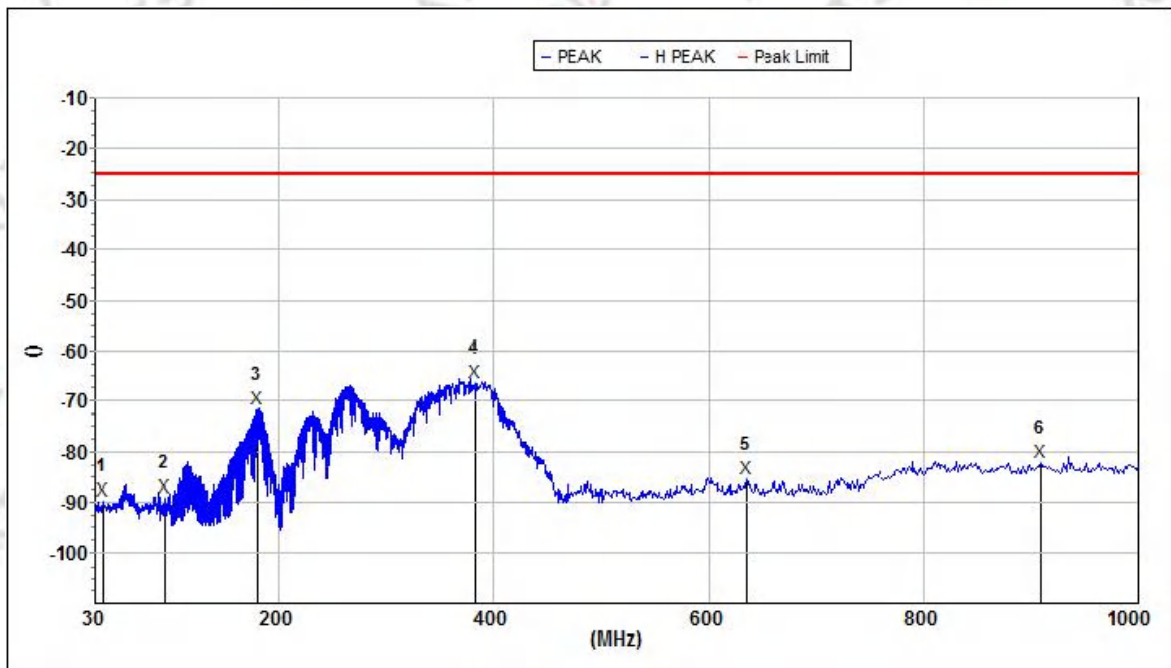
For above 1 GHz

Note:In frequency ranges above 18GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.

LTE Band 38

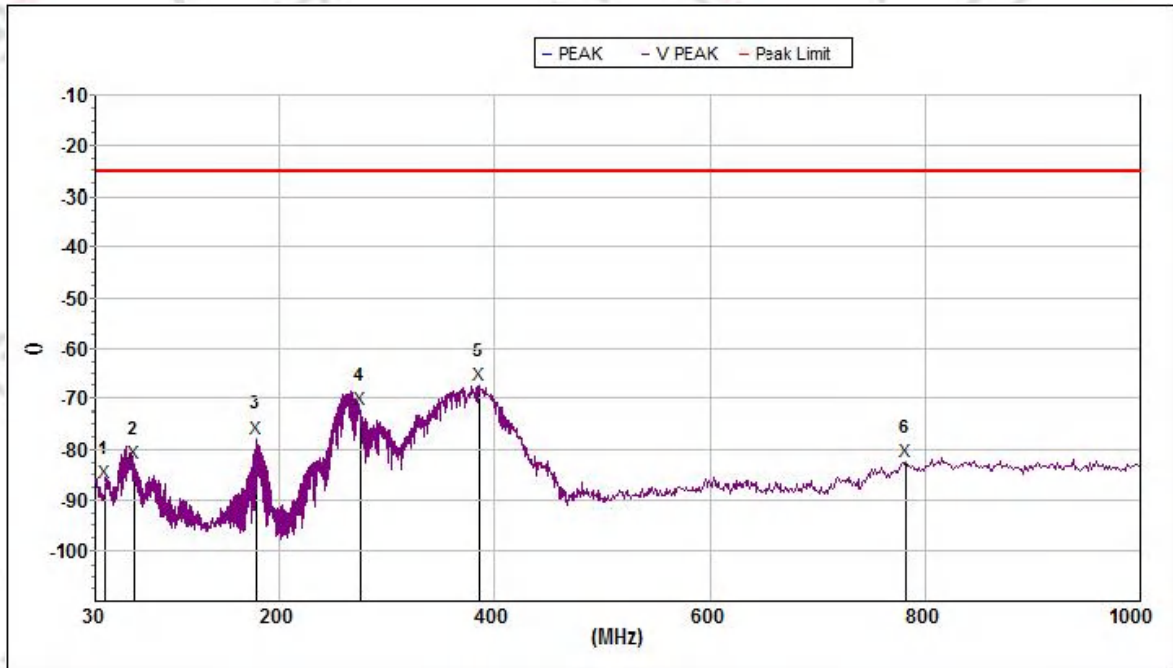
For 30 MHz ~ 1 GHz

Mode:5MHz / QPSK / Channel 37775 / Horizontal



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	37.220	-89.5	-25.0	64.5	100	18.8	29.5	H
2	93.933	-89.0	-25.0	64.0	300	14.8	30.6	H
3	180.649	-71.4	-25.0	46.4	200	17.1	33.4	H
4	382.588	-66.2	-25.0	41.2	100	21.0	32.2	H
5	635.020	-85.2	-25.0	60.2	300	26.2	32.9	H
6	909.667	-81.9	-25.0	56.9	200	29.1	32.9	H

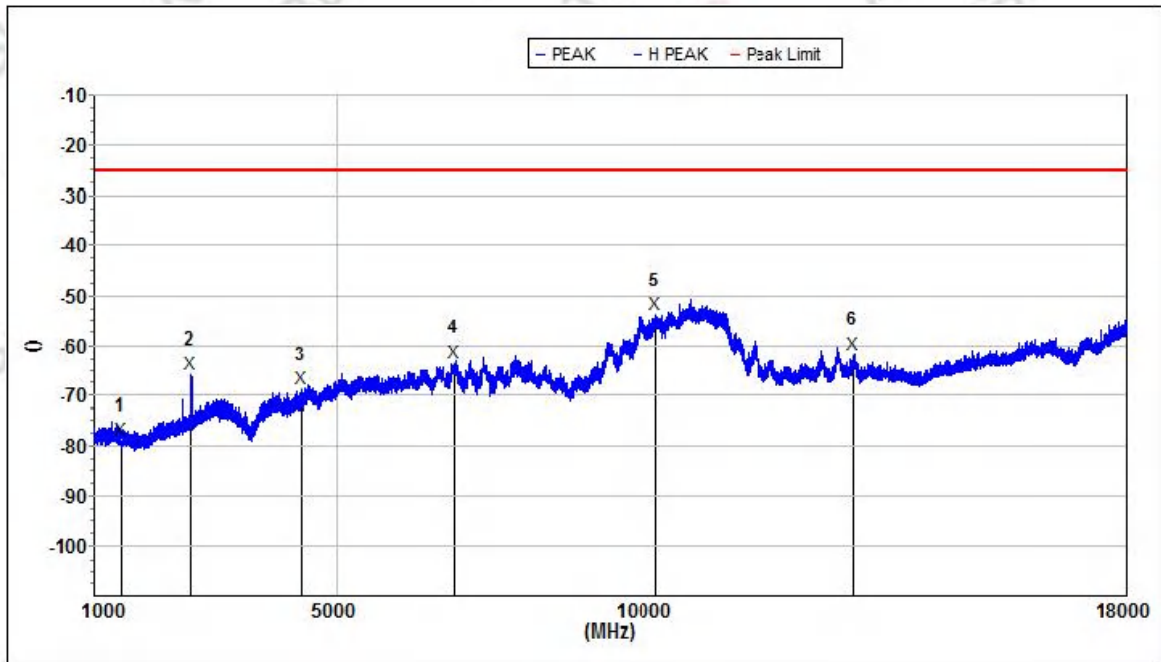
Mode:5MHz / QPSK / Channel 37775 / Vertical



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	39.368	-86.6	-25.0	61.6	100	19.0	29.6	V
2	65.343	-82.7	-25.0	57.7	300	17.1	29.4	V
3	179.072	-77.7	-25.0	52.7	200	17.2	33.4	V
4	276.124	-72.2	-25.0	47.2	100	18.4	32.1	V
5	385.957	-67.3	-25.0	42.3	300	21.1	32.1	V
6	782.345	-82.4	-25.0	57.4	200	28.2	31.9	V

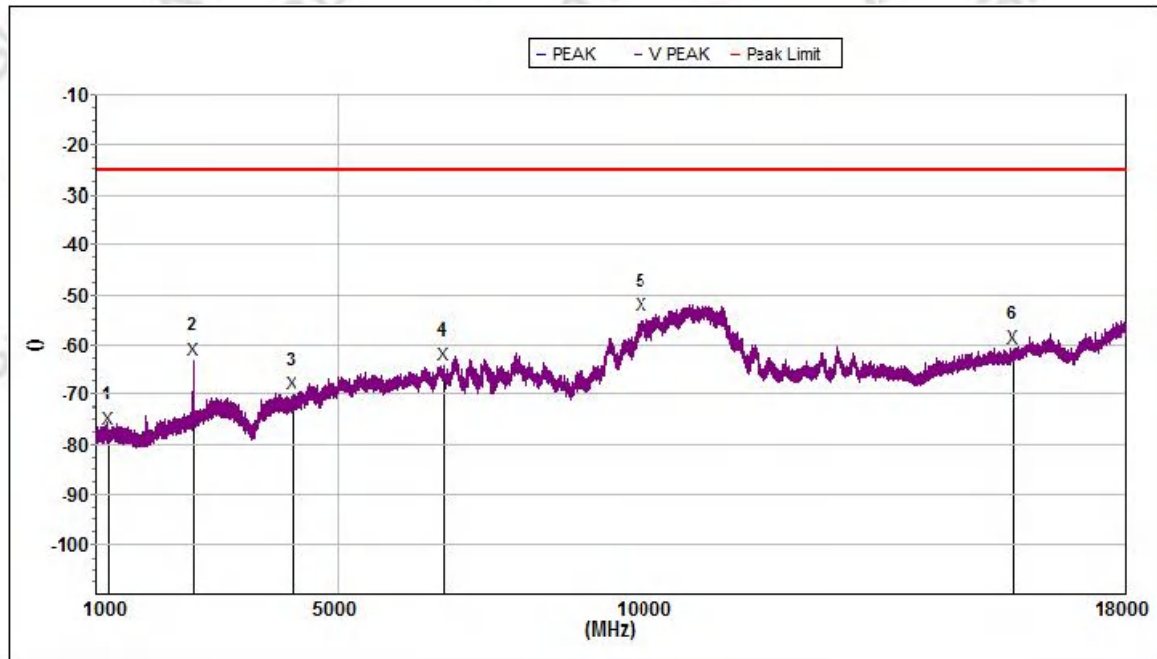
For 1 GHz ~ 18 GHz

Mode:5MHz / QPSK / Channel 37775 / Horizontal



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1452.695	-78.6	-25.0	53.6	100	25.4	44.0	H
2	2601.337	-65.5	-25.0	40.5	300	28.0	43.1	H
3	4418.927	-68.6	-25.0	43.6	200	31.5	42.4	H
4	6919.420	-63.4	-25.0	38.4	100	35.9	40.1	H
5	10241.837	-53.9	-25.0	28.9	300	38.4	33.8	H
6	13489.154	-61.8	-25.0	36.8	200	39.7	28.2	H

Mode:5MHz / QPSK / Channel 37775 / Vertical

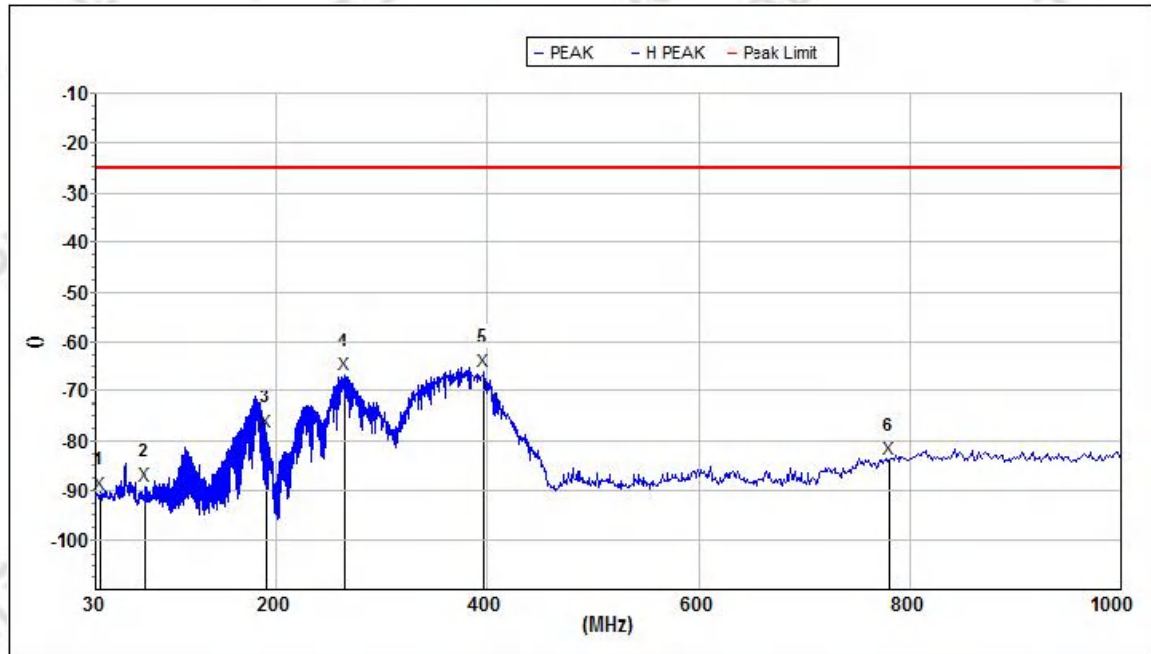


Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1218.365	-76.7	-25.0	51.7	100	25.7	44.1	V
2	2610.211	-62.9	-25.0	37.9	300	28.0	43.1	V
3	4235.393	-70.0	-25.0	45.0	200	31.2	42.6	V
4	6745.264	-64.1	-25.0	39.1	100	35.6	40.3	V
5	10003.316	-54.0	-25.0	29.0	300	38.4	35.0	V
6	16157.310	-60.5	-25.0	35.5	200	38.5	26.3	V

LTE Band 41

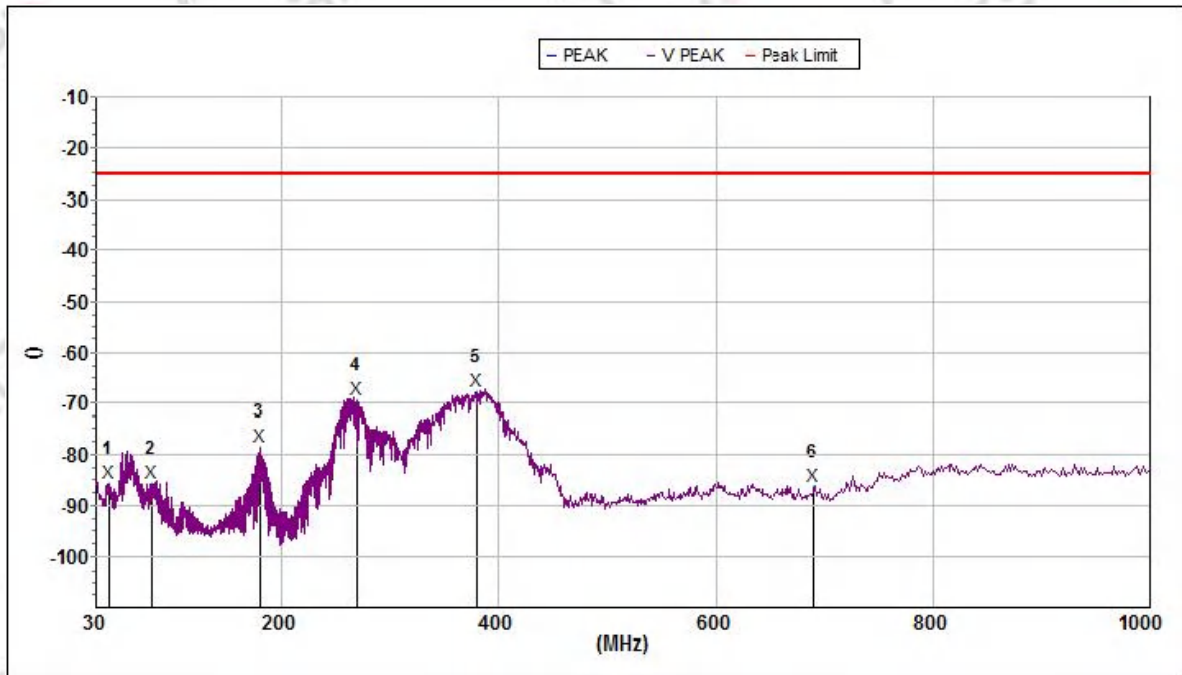
For 30 MHz ~ 1 GHz

Mode:5MHz / QPSK / Channel 40065 / Horizontal



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	34.760	-90.7	-25.0	65.7	100	18.7	29.5	H
2	76.512	-88.9	-25.0	63.9	300	15.4	29.2	H
3	191.409	-78.0	-25.0	53.0	200	16.3	33.4	H
4	265.676	-66.5	-25.0	41.5	100	18.1	32.2	H
5	396.937	-65.9	-25.0	40.9	300	21.3	32.0	H
6	780.975	-83.7	-25.0	58.7	200	28.2	32.0	H

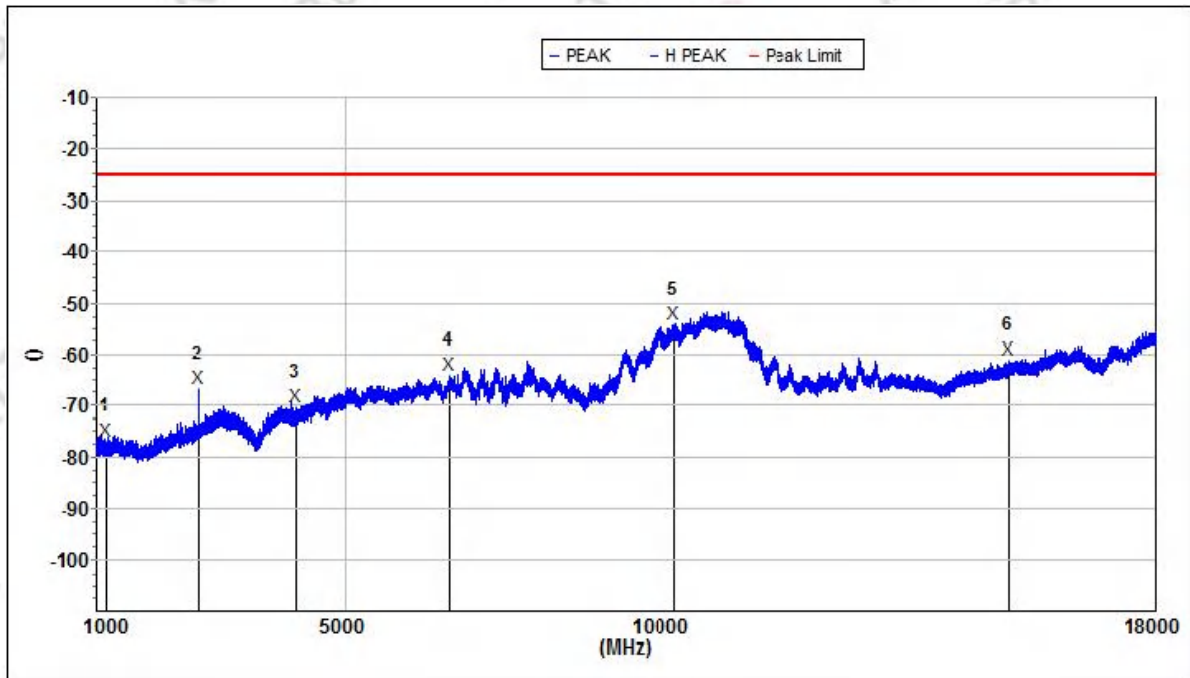
Mode:5MHz / QPSK / Channel 40065 / Vertical



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	42.080	-85.8	-25.0	60.8	100	19.1	29.6	V
2	80.362	-85.8	-25.0	60.8	300	14.8	29.1	V
3	180.649	-78.5	-25.0	53.5	200	17.1	33.4	V
4	270.375	-69.2	-25.0	44.2	100	18.3	32.1	V
5	380.581	-67.5	-25.0	42.5	300	20.9	32.2	V
6	690.774	-86.2	-25.0	61.2	200	26.6	33.8	V

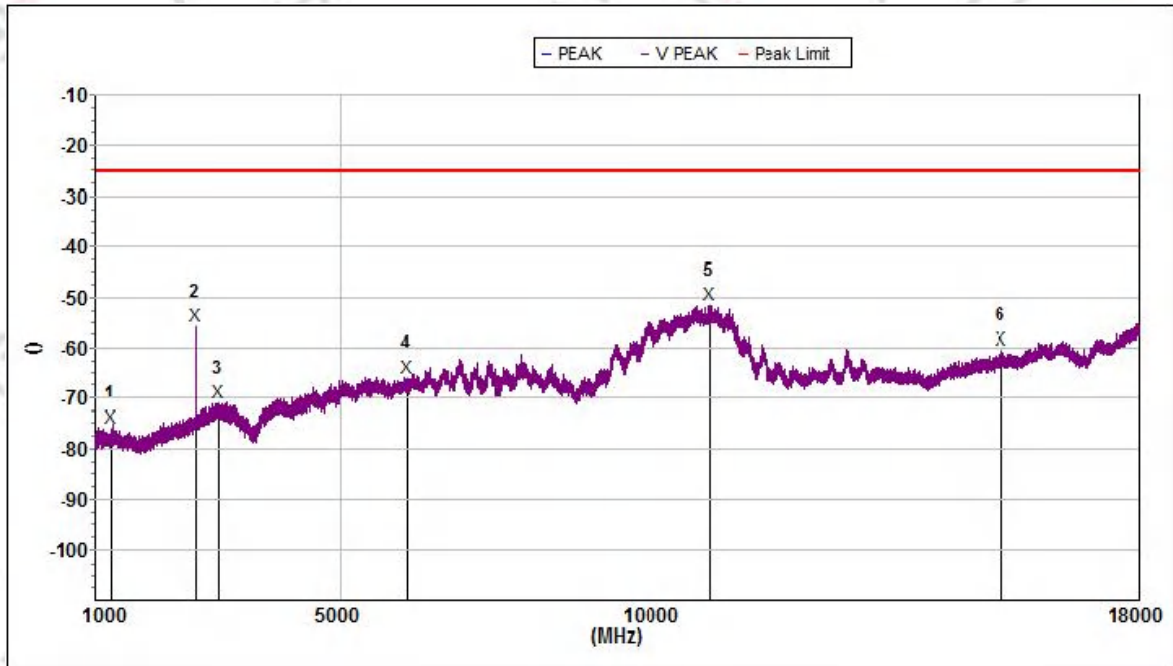
For 1 GHz ~ 18 GHz

Mode:5MHz / QPSK / Channel 40065 / Horizontal



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1168.216	-76.7	-25.0	51.7	100	25.6	44.1	H
2	2640.351	-66.6	-25.0	41.6	300	28.1	42.9	H
3	4198.876	-70.2	-25.0	45.2	200	31.2	42.6	H
4	6660.484	-64.0	-25.0	39.0	100	35.5	40.4	H
5	10268.472	-54.1	-25.0	29.1	300	38.5	33.7	H
6	15617.923	-61.0	-25.0	36.0	200	38.7	26.7	H

Mode:5MHz / QPSK / Channel 40065 / Vertical



Mk.	Freq. (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1250.795	-75.7	-25.0	50.7	100	25.6	44.1	V
2	2644.722	-55.7	-25.0	30.7	300	28.1	42.9	V
3	3008.330	-70.7	-25.0	45.7	200	29.4	41.5	V
4	6055.925	-65.9	-25.0	40.9	100	34.2	41.1	V
5	10996.221	-51.5	-25.0	26.5	300	38.6	30.0	V
6	15759.428	-60.4	-25.0	35.4	200	38.6	26.6	V

*****END OF APPENDIX B*****