



Test Report No.: RF260703B003



FCC TEST REPORT (PART 27)

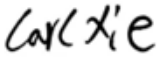
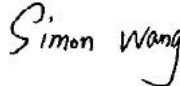
Applicant:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN

Manufacturer or Supplier:	SHARP CORPORATION
Address:	2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN
Product:	Smart Phone
Brand Name:	SHARP
FCC ID:	APYHRO00344
Date of tests:	Jul.1, 2026 ~ Aug.7, 2026

The tests have been carried out according to the requirements of the following standard:

☒ FCC Part 27 ☒ FCC Part 2 ☒ ANSI C63.26-2015

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
 Date: Aug.7, 2026	 Date: Aug.7, 2026

Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260703B003	Original release	Aug.7, 2026



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1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	TEST LAB*
§2.1046	Conducted Output Power	Compliance	A
§27.50(d)(4) §27.50(h)(2) §27.50(k)(3)	Equivalent Isotropically Radiated Power (Band 38) (Band 41)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Band Edge Measurements (Band 38) (Band 41)	Compliance	A
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Spurious Emissions (Band 38) (Band 41)	Compliance	A
§2.1053 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Radiated Spurious Emissions (Band 38) (Band 41)	Compliance	A
§27.50(k)(4)	Peak to average ratio	Compliance	A

*Test Lab Information Reference

Lab A:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang St
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

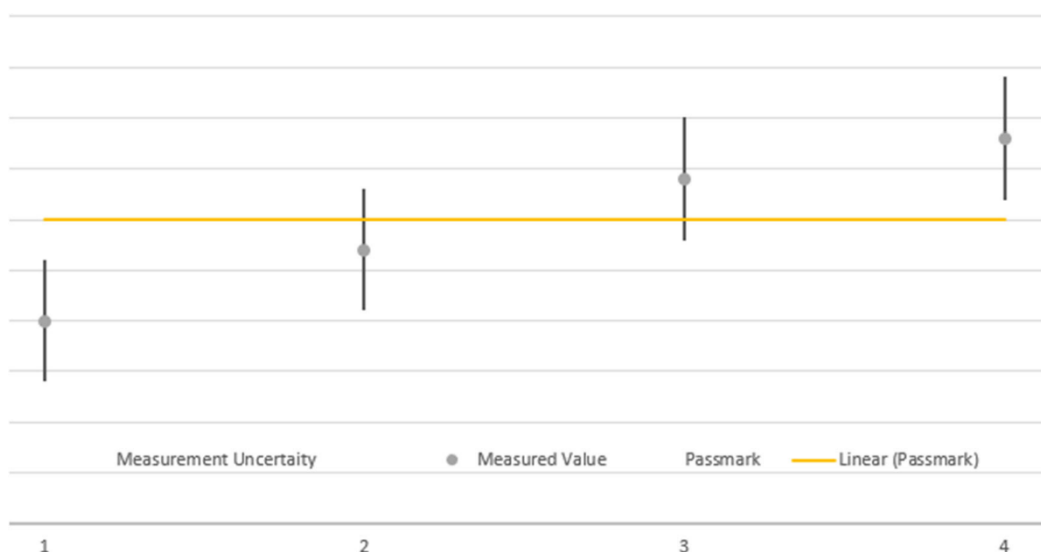
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



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1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2026/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2026/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2026/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2026/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2026/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2026/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2026/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2026/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2026/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2026/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2026/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2026/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2026/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2026/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2026/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2026/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2026/6/30	2027/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2026/6/30	2027/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2026/6/16	2027/6/15
DC Power Supply	AGILENT	HMP2020	100598	2026/7/1	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2026/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2026/6/30	2027/6/29
hygrothermograph	Anymetrers	----	TH101B	2026/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2026/7/1	2027/6/30
power divider	WOKEN	71688	204-003180-01	2026/6/30	2027/6/29



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NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Phone	
BRAND NAME	SHARP	
NOMINAL VOLTAGE	4.0Vdc(adapter or host equipment) 3.92Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	LTE Band 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	LTE Band 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
MAX. EIRP POWER	LTE Band 38 Channel Bandwidth: 5MHz	68.1mW
	LTE Band 38 Channel Bandwidth: 10MHz	67.5mW
	LTE Band 38 Channel Bandwidth: 15MHz	63.5mW
	LTE Band 38 Channel Bandwidth: 20MHz	65mW
	LTE Band 41 Channel Bandwidth: 5MHz	108.6mW
	LTE Band 41 Channel Bandwidth: 10MHz	109.4mW
	LTE Band 41 Channel Bandwidth: 15MHz	102.8mW
	LTE Band 41 Channel Bandwidth: 20MHz	104mW
EMISSION DESIGNATOR	LTE Band 38 Channel Bandwidth: 5MHz	QPSK:4M49G7D
		16QAM:4M49W7D



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EMISSION DESIGNATOR		64QAM:4M49W7D
	LTE Band 38 Channel Bandwidth: 10MHz	QPSK:8M98G7D
		16QAM:9M01W7D
		64QAM:9M01W7D
	LTE Band 38 Channel Bandwidth: 15MHz	QPSK:13M5G7D
		16QAM:13M5W7D
		64QAM:13M5W7D
	LTE Band 38 Channel Bandwidth: 20MHz	QPSK:179G7D
		16QAM:18M0W7D
		64QAM:18M0W7D
	LTE Band 41 Channel Bandwidth: 5MHz	QPSK:4M50G7D
		16QAM:4M49W7D
		64QAM:4M49W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK:8M98G7D
		16QAM:8M97W7D
		64QAM:8M97W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK:13M5G7D
		16QAM:13M5W7D
		64QAM:13M5W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK:17M9G7D
		16QAM:17M9W7D
		64QAM:17M9W7D
ANTENNA TYPE	PIFA Antenna with -4.6dBi gain for LTE B38 PIFA Antenna with -4.3dBi gain for LTE B41	
ANTENNA GAIN	☒ Provided by client -4.6dBi gain for LTE B38 -4.3dBi gain for LTE B41	
HW VERSION	DVT	
SW VERSION	A5290	
I/O PORTS	Refer to user's manual	
EXTREME TEMPERATURE	5~35°C	
EXTREME VOLTAGE	3.7V~4V	



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NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
LTE B38/41	1TX/4RX

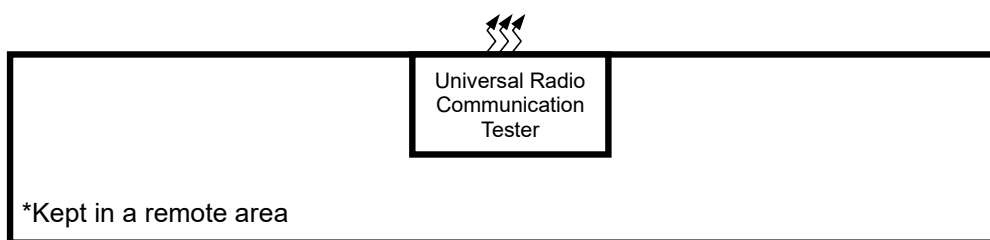
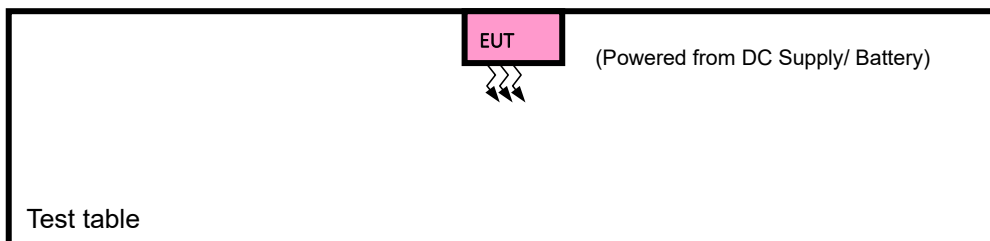
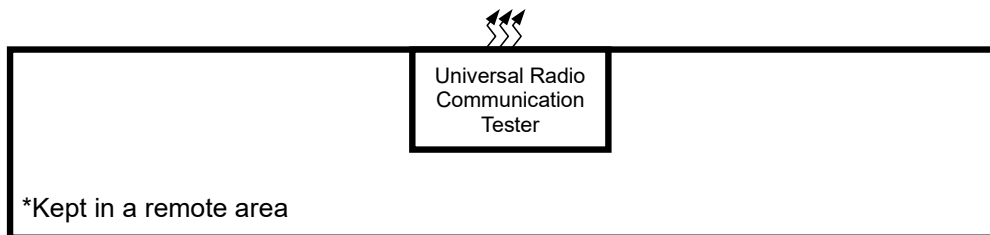
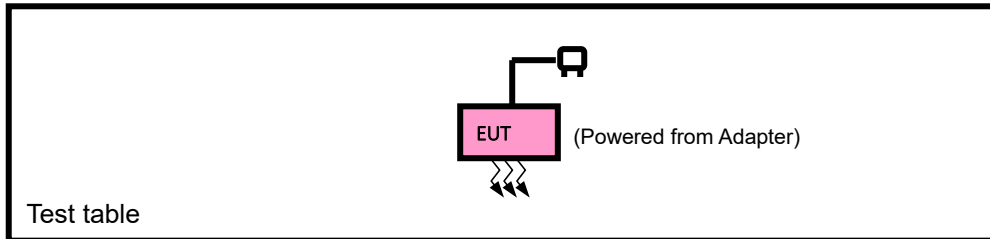
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.
5. List of Accessory:

Battery Information	Battery Type	Li-Lon
	Manufacturer	EVE ENERGY CO., LTD
	Model Number	UBATIA332AFN2
	Capacity	Typical capacity:5000 mAh Rated capacity:4900 mAh
	Nominal Voltage	3.92V

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2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





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2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC Source	HYELEC	HY3010B	551016	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.8m

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on Y-plane for EIRP and X-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter + USB Cable with WCDMA or LTE link
B	EUT + DC Supply with WCDMA or LTE link



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LTE BAND 38 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION
A	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM
B	FREQUENCY STABILITY	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM
A	OCCUPIED BANDWIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM
A	PEAK TO AVERAGE RATIO	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM
A	BAND EDGE	37775 to 38225	37775, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38150	20MHz	QPSK, 16QAM, 64QAM
A	CONDUCTED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM
A	RADIATED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.



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LTE BAND 41 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION
A	EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM
B	FREQUENCY STABILITY	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM
A	OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM
A	PEAK TO AVERAGE RATIO	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM
A	BAND EDGE	39675 to 41565	39675, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 41490	20MHz	QPSK, 16QAM, 64QAM
A	CONDUCTED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK
		39700 to 41540	40620	10MHz	QPSK
		39725 to 41515	40620	15MHz	QPSK
		39750 to 41490	40620	20MHz	QPSK

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.



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TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 70%RH	DC 4V By DC Supply	Carl Xie
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.7V/4V/4V By DC Supply	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC4V By DC Supply	Alan Yu
BAND EDGE	23deg. C, 70%RH	DC 4V By DC Supply	Alan Yu
CONDUCTED EMISSION	23deg. C, 70%RH	DC4V By DC Supply	Alan Yu
RADIATED EMISSION	23deg. C, 70%RH	DC4V By DC Supply	Carl Xie
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC4V By DC Supply	Alan Yu



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2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.



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3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

The radiated peak output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.”

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 the specific rule Part 27.50 (k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP, Mobile devices operating inl these bands must employ a means for limiting power to the minimum necessary for successful communications

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determing the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively
(expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_{T} = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

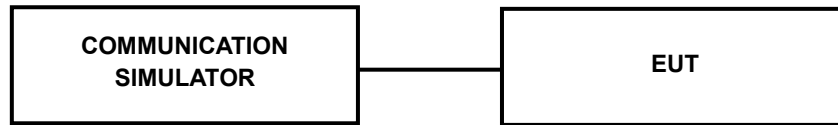
- The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



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3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).



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3.1.4 TEST RESULTS

LTE Band38
B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.69	-4.60	18.09	<=33.01	Pass
			13	22.70	-4.60	18.10	<=33.01	Pass
			24	22.71	-4.60	18.11	<=33.01	Pass
		12	0	21.79	-4.60	17.19	<=33.01	Pass
			6	21.85	-4.60	17.25	<=33.01	Pass
			13	21.81	-4.60	17.21	<=33.01	Pass
		25	0	21.79	-4.60	17.19	<=33.01	Pass
	2595	1	0	22.79	-4.60	18.19	<=33.01	Pass
			13	22.93	-4.60	18.33	<=33.01	Pass
			24	22.82	-4.60	18.22	<=33.01	Pass
		12	0	21.84	-4.60	17.24	<=33.01	Pass
			6	21.94	-4.60	17.34	<=33.01	Pass
			13	21.86	-4.60	17.26	<=33.01	Pass
		25	0	21.88	-4.60	17.28	<=33.01	Pass
	2617.5	1	0	22.42	-4.60	17.82	<=33.01	Pass
			13	22.63	-4.60	18.03	<=33.01	Pass
			24	22.63	-4.60	18.03	<=33.01	Pass
		12	0	21.47	-4.60	16.87	<=33.01	Pass
			6	21.59	-4.60	16.99	<=33.01	Pass
			13	21.62	-4.60	17.02	<=33.01	Pass
		25	0	21.57	-4.60	16.97	<=33.01	Pass
16QAM	2572.5	1	0	21.76	-4.60	17.16	<=33.01	Pass
			13	21.97	-4.60	17.37	<=33.01	Pass
			24	21.78	-4.60	17.18	<=33.01	Pass
		12	0	20.70	-4.60	16.10	<=33.01	Pass
			6	20.84	-4.60	16.24	<=33.01	Pass
			13	20.83	-4.60	16.23	<=33.01	Pass
		25	0	20.84	-4.60	16.24	<=33.01	Pass
	2595	1	0	21.60	-4.60	17.00	<=33.01	Pass
			13	21.92	-4.60	17.32	<=33.01	Pass
			24	21.86	-4.60	17.26	<=33.01	Pass
		12	0	20.88	-4.60	16.28	<=33.01	Pass
			6	20.87	-4.60	16.27	<=33.01	Pass
			13	20.93	-4.60	16.33	<=33.01	Pass
		25	0	20.84	-4.60	16.24	<=33.01	Pass
	2617.5	1	0	21.55	-4.60	16.95	<=33.01	Pass
			13	21.61	-4.60	17.01	<=33.01	Pass
			24	21.58	-4.60	16.98	<=33.01	Pass
		12	0	20.52	-4.60	15.92	<=33.01	Pass
			6	20.57	-4.60	15.97	<=33.01	Pass
			13	20.63	-4.60	16.03	<=33.01	Pass
		25	0	20.60	-4.60	16.00	<=33.01	Pass
64QAM	2572.5	1	0	21.75	-4.60	17.15	<=33.01	Pass

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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			13	21.76	-4.60	17.16	<=33.01	Pass
			24	21.76	-4.60	17.16	<=33.01	Pass
			0	20.60	-4.60	16.00	<=33.01	Pass
		12	6	20.84	-4.60	16.24	<=33.01	Pass
			13	20.81	-4.60	16.21	<=33.01	Pass
			25	20.83	-4.60	16.23	<=33.01	Pass
	2595	1	0	21.50	-4.60	16.90	<=33.01	Pass
			13	21.79	-4.60	17.19	<=33.01	Pass
			24	21.82	-4.60	17.22	<=33.01	Pass
		12	0	20.66	-4.60	16.06	<=33.01	Pass
			6	20.88	-4.60	16.28	<=33.01	Pass
			13	20.89	-4.60	16.29	<=33.01	Pass
		25	0	20.90	-4.60	16.30	<=33.01	Pass
	2617.5	1	0	21.37	-4.60	16.77	<=33.01	Pass
			13	21.44	-4.60	16.84	<=33.01	Pass
			24	21.65	-4.60	17.05	<=33.01	Pass
		12	0	20.49	-4.60	15.89	<=33.01	Pass
			6	20.60	-4.60	16.00	<=33.01	Pass
			13	20.66	-4.60	16.06	<=33.01	Pass
		25	0	20.58	-4.60	15.98	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	22.74	-4.60	18.14	<=33.01	Pass
			25	22.82	-4.60	18.22	<=33.01	Pass
			49	22.71	-4.60	18.11	<=33.01	Pass
		25	0	21.86	-4.60	17.26	<=33.01	Pass
			13	21.90	-4.60	17.30	<=33.01	Pass
			25	21.85	-4.60	17.25	<=33.01	Pass
		50	0	21.85	-4.60	17.25	<=33.01	Pass
	2595	1	0	22.55	-4.60	17.95	<=33.01	Pass
			25	22.89	-4.60	18.29	<=33.01	Pass
			49	22.89	-4.60	18.29	<=33.01	Pass
		25	0	21.63	-4.60	17.03	<=33.01	Pass
			13	21.69	-4.60	17.09	<=33.01	Pass
			25	21.69	-4.60	17.09	<=33.01	Pass
		50	0	21.92	-4.60	17.32	<=33.01	Pass
	2615	1	0	22.51	-4.60	17.91	<=33.01	Pass
			25	22.52	-4.60	17.92	<=33.01	Pass
			49	22.52	-4.60	17.92	<=33.01	Pass
		25	0	21.60	-4.60	17.00	<=33.01	Pass
			13	21.56	-4.60	16.96	<=33.01	Pass
			25	21.56	-4.60	16.96	<=33.01	Pass
		50	0	21.59	-4.60	16.99	<=33.01	Pass
16QAM	2575	1	0	21.75	-4.60	17.15	<=33.01	Pass
			25	21.78	-4.60	17.18	<=33.01	Pass
			49	21.72	-4.60	17.12	<=33.01	Pass
		25	0	20.85	-4.60	16.25	<=33.01	Pass
			13	20.93	-4.60	16.33	<=33.01	Pass



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			25	20.87	-4.60	16.27	<=33.01	Pass
		50	0	20.86	-4.60	16.26	<=33.01	Pass
	2595	1	0	21.74	-4.60	17.14	<=33.01	Pass
			25	21.80	-4.60	17.20	<=33.01	Pass
			49	21.83	-4.60	17.23	<=33.01	Pass
		25	0	20.78	-4.60	16.18	<=33.01	Pass
			13	20.89	-4.60	16.29	<=33.01	Pass
			25	20.92	-4.60	16.32	<=33.01	Pass
		50	0	20.92	-4.60	16.32	<=33.01	Pass
	2615	1	0	21.77	-4.60	17.17	<=33.01	Pass
			25	21.57	-4.60	16.97	<=33.01	Pass
			49	21.64	-4.60	17.04	<=33.01	Pass
		25	0	20.61	-4.60	16.01	<=33.01	Pass
			13	20.50	-4.60	15.90	<=33.01	Pass
			25	20.60	-4.60	16.00	<=33.01	Pass
		50	0	20.62	-4.60	16.02	<=33.01	Pass

64QAM	2575	1	0	21.73	-4.60	17.13	<=33.01	Pass
			25	21.72	-4.60	17.12	<=33.01	Pass
			49	21.56	-4.60	16.96	<=33.01	Pass
		25	0	20.85	-4.60	16.25	<=33.01	Pass
			13	20.91	-4.60	16.31	<=33.01	Pass
			25	20.80	-4.60	16.20	<=33.01	Pass
	50	0	20.85	-4.60	16.25	<=33.01	Pass	
	2595	1	0	21.62	-4.60	17.02	<=33.01	Pass
			25	21.84	-4.60	17.24	<=33.01	Pass
			49	21.83	-4.60	17.23	<=33.01	Pass
		25	0	20.87	-4.60	16.27	<=33.01	Pass
			13	20.87	-4.60	16.27	<=33.01	Pass
			25	20.93	-4.60	16.33	<=33.01	Pass
	50	0	20.91	-4.60	16.31	<=33.01	Pass	
	2615	1	0	21.41	-4.60	16.81	<=33.01	Pass
			25	21.39	-4.60	16.79	<=33.01	Pass
49			21.39	-4.60	16.79	<=33.01	Pass	
25		0	20.52	-4.60	15.92	<=33.01	Pass	
		13	20.56	-4.60	15.96	<=33.01	Pass	
		25	20.57	-4.60	15.97	<=33.01	Pass	
50	0	20.60	-4.60	16.00	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.60	-4.60	18.00	<=33.01	Pass
			38	22.57	-4.60	17.97	<=33.01	Pass
			74	22.41	-4.60	17.81	<=33.01	Pass
		36	0	21.71	-4.60	17.11	<=33.01	Pass
			18	21.71	-4.60	17.11	<=33.01	Pass
			39	21.66	-4.60	17.06	<=33.01	Pass
		75	0	21.70	-4.60	17.10	<=33.01	Pass
	2595	1	0	22.60	-4.60	18.00	<=33.01	Pass
			38	22.63	-4.60	18.03	<=33.01	Pass



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		36	74	22.57	-4.60	17.97	<=33.01	Pass
			0	21.64	-4.60	17.04	<=33.01	Pass
			18	21.71	-4.60	17.11	<=33.01	Pass
			39	21.72	-4.60	17.12	<=33.01	Pass
		75	0	21.68	-4.60	17.08	<=33.01	Pass
	2612.5	1	0	22.59	-4.60	17.99	<=33.01	Pass
			38	22.39	-4.60	17.79	<=33.01	Pass
			74	22.33	-4.60	17.73	<=33.01	Pass
		36	0	21.57	-4.60	16.97	<=33.01	Pass
			18	21.50	-4.60	16.90	<=33.01	Pass
			39	21.40	-4.60	16.80	<=33.01	Pass
		75	0	21.54	-4.60	16.94	<=33.01	Pass
16QAM	2577.5	1	0	21.51	-4.60	16.91	<=33.01	Pass
			38	21.58	-4.60	16.98	<=33.01	Pass
			74	21.37	-4.60	16.77	<=33.01	Pass
		36	0	20.55	-4.60	15.95	<=33.01	Pass
			18	20.72	-4.60	16.12	<=33.01	Pass
			39	20.63	-4.60	16.03	<=33.01	Pass
		75	0	20.72	-4.60	16.12	<=33.01	Pass
	2595	1	0	21.53	-4.60	16.93	<=33.01	Pass
			38	21.78	-4.60	17.18	<=33.01	Pass
			74	21.28	-4.60	16.68	<=33.01	Pass
		36	0	20.68	-4.60	16.08	<=33.01	Pass
			18	20.73	-4.60	16.13	<=33.01	Pass
			39	20.73	-4.60	16.13	<=33.01	Pass
		75	0	20.66	-4.60	16.06	<=33.01	Pass
	2612.5	1	0	21.53	-4.60	16.93	<=33.01	Pass
			38	21.45	-4.60	16.85	<=33.01	Pass
			74	21.33	-4.60	16.73	<=33.01	Pass
		36	0	20.54	-4.60	15.94	<=33.01	Pass
			18	20.51	-4.60	15.91	<=33.01	Pass
			39	20.41	-4.60	15.81	<=33.01	Pass
75		0	20.50	-4.60	15.90	<=33.01	Pass	
64QAM	2577.5	1	0	21.46	-4.60	16.86	<=33.01	Pass
			38	21.50	-4.60	16.90	<=33.01	Pass
			74	21.29	-4.60	16.69	<=33.01	Pass
		36	0	20.69	-4.60	16.09	<=33.01	Pass
			18	20.75	-4.60	16.15	<=33.01	Pass
			39	20.66	-4.60	16.06	<=33.01	Pass
		75	0	20.71	-4.60	16.11	<=33.01	Pass
	2595	1	0	21.42	-4.60	16.82	<=33.01	Pass
			38	21.61	-4.60	17.01	<=33.01	Pass
			74	21.56	-4.60	16.96	<=33.01	Pass
		36	0	20.46	-4.60	15.86	<=33.01	Pass
			18	20.68	-4.60	16.08	<=33.01	Pass
			39	20.73	-4.60	16.13	<=33.01	Pass
		75	0	20.72	-4.60	16.12	<=33.01	Pass
	2612.5	1	0	21.44	-4.60	16.84	<=33.01	Pass
			38	21.32	-4.60	16.72	<=33.01	Pass
			74	21.10	-4.60	16.50	<=33.01	Pass
		36	0	20.59	-4.60	15.99	<=33.01	Pass
18			20.50	-4.60	15.90	<=33.01	Pass	
39			20.43	-4.60	15.83	<=33.01	Pass	



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		75	0	20.53	-4.60	15.93	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.65	-4.60	18.05	<=33.01	Pass
			50	22.58	-4.60	17.98	<=33.01	Pass
			99	22.51	-4.60	17.91	<=33.01	Pass
		50	0	21.67	-4.60	17.07	<=33.01	Pass
			25	21.72	-4.60	17.12	<=33.01	Pass
			50	21.67	-4.60	17.07	<=33.01	Pass
		100	0	21.71	-4.60	17.11	<=33.01	Pass
	2595	1	0	22.65	-4.60	18.05	<=33.01	Pass
			50	22.57	-4.60	17.97	<=33.01	Pass
			99	22.32	-4.60	17.72	<=33.01	Pass
		50	0	21.64	-4.60	17.04	<=33.01	Pass
			25	21.72	-4.60	17.12	<=33.01	Pass
			50	21.72	-4.60	17.12	<=33.01	Pass
		100	0	21.67	-4.60	17.07	<=33.01	Pass
	2610	1	0	22.73	-4.60	18.13	<=33.01	Pass
			50	22.42	-4.60	17.82	<=33.01	Pass
			99	22.31	-4.60	17.71	<=33.01	Pass
		50	0	21.69	-4.60	17.09	<=33.01	Pass
			25	21.48	-4.60	16.88	<=33.01	Pass
			50	21.40	-4.60	16.80	<=33.01	Pass
		100	0	21.55	-4.60	16.95	<=33.01	Pass
16QAM	2580	1	0	21.87	-4.60	17.27	<=33.01	Pass
			50	21.58	-4.60	16.98	<=33.01	Pass
			99	21.49	-4.60	16.89	<=33.01	Pass
		50	0	20.54	-4.60	15.94	<=33.01	Pass
			25	20.73	-4.60	16.13	<=33.01	Pass
			50	20.63	-4.60	16.03	<=33.01	Pass
		100	0	20.70	-4.60	16.10	<=33.01	Pass
	2595	1	0	21.54	-4.60	16.94	<=33.01	Pass
			50	21.88	-4.60	17.28	<=33.01	Pass
			99	21.41	-4.60	16.81	<=33.01	Pass
		50	0	20.66	-4.60	16.06	<=33.01	Pass
			25	20.73	-4.60	16.13	<=33.01	Pass
			50	20.71	-4.60	16.11	<=33.01	Pass
		100	0	20.70	-4.60	16.10	<=33.01	Pass
	2610	1	0	21.65	-4.60	17.05	<=33.01	Pass
			50	21.52	-4.60	16.92	<=33.01	Pass
			99	21.39	-4.60	16.79	<=33.01	Pass
		50	0	20.68	-4.60	16.08	<=33.01	Pass
			25	20.49	-4.60	15.89	<=33.01	Pass
			50	20.42	-4.60	15.82	<=33.01	Pass
		100	0	20.53	-4.60	15.93	<=33.01	Pass
64QAM	2580	1	0	21.66	-4.60	17.06	<=33.01	Pass
			50	21.49	-4.60	16.89	<=33.01	Pass
			99	21.36	-4.60	16.76	<=33.01	Pass



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		50	0	20.70	-4.60	16.10	<=33.01	Pass
			25	20.68	-4.60	16.08	<=33.01	Pass
			50	20.62	-4.60	16.02	<=33.01	Pass
		100	0	20.72	-4.60	16.12	<=33.01	Pass
			0	21.62	-4.60	17.02	<=33.01	Pass
			50	21.59	-4.60	16.99	<=33.01	Pass
	2595	1	99	21.55	-4.60	16.95	<=33.01	Pass
			0	20.65	-4.60	16.05	<=33.01	Pass
			25	20.69	-4.60	16.09	<=33.01	Pass
		50	50	20.71	-4.60	16.11	<=33.01	Pass
			0	20.67	-4.60	16.07	<=33.01	Pass
			0	21.68	-4.60	17.08	<=33.01	Pass
	2610	1	50	21.44	-4.60	16.84	<=33.01	Pass
			99	21.36	-4.60	16.76	<=33.01	Pass
			0	20.69	-4.60	16.09	<=33.01	Pass
		50	25	20.60	-4.60	16.00	<=33.01	Pass
			50	20.41	-4.60	15.81	<=33.01	Pass
			0	20.55	-4.60	15.95	<=33.01	Pass
		100	0	20.55	-4.60	15.95	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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LTE Band41
B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	22.61	-4.30	18.31	<=33.01	Pass
			13	22.62	-4.30	18.32	<=33.01	Pass
			24	22.57	-4.30	18.27	<=33.01	Pass
		12	0	21.76	-4.30	17.46	<=33.01	Pass
			6	21.74	-4.30	17.44	<=33.01	Pass
			13	21.67	-4.30	17.37	<=33.01	Pass
		25	0	21.73	-4.30	17.43	<=33.01	Pass
	2593	1	0	24.47	-4.30	20.17	<=33.01	Pass
			13	24.66	-4.30	20.36	<=33.01	Pass
			24	24.53	-4.30	20.23	<=33.01	Pass
		12	0	23.52	-4.30	19.22	<=33.01	Pass
			6	23.71	-4.30	19.41	<=33.01	Pass
			13	23.72	-4.30	19.42	<=33.01	Pass
		25	0	23.64	-4.30	19.34	<=33.01	Pass
	2687.5	1	0	22.82	-4.30	18.52	<=33.01	Pass
			13	22.73	-4.30	18.43	<=33.01	Pass
			24	22.78	-4.30	18.48	<=33.01	Pass
		12	0	21.84	-4.30	17.54	<=33.01	Pass
			6	21.87	-4.30	17.57	<=33.01	Pass
			13	21.85	-4.30	17.55	<=33.01	Pass
		25	0	21.88	-4.30	17.58	<=33.01	Pass
16QAM	2498.5	1	0	21.49	-4.30	17.19	<=33.01	Pass
			13	21.65	-4.30	17.35	<=33.01	Pass
			24	21.67	-4.30	17.37	<=33.01	Pass
		12	0	20.76	-4.30	16.46	<=33.01	Pass
			6	20.82	-4.30	16.52	<=33.01	Pass
			13	20.70	-4.30	16.40	<=33.01	Pass
		25	0	20.72	-4.30	16.42	<=33.01	Pass
	2593	1	0	23.58	-4.30	19.28	<=33.01	Pass
			13	23.68	-4.30	19.38	<=33.01	Pass
			24	23.73	-4.30	19.43	<=33.01	Pass
		12	0	22.57	-4.30	18.27	<=33.01	Pass
			6	22.75	-4.30	18.45	<=33.01	Pass
			13	22.64	-4.30	18.34	<=33.01	Pass
		25	0	22.47	-4.30	18.17	<=33.01	Pass
	2687.5	1	0	21.84	-4.30	17.54	<=33.01	Pass
			13	21.79	-4.30	17.49	<=33.01	Pass
			24	21.72	-4.30	17.42	<=33.01	Pass
		12	0	20.91	-4.30	16.61	<=33.01	Pass
			6	20.86	-4.30	16.56	<=33.01	Pass
			13	20.82	-4.30	16.52	<=33.01	Pass
		25	0	20.84	-4.30	16.54	<=33.01	Pass
64QAM	2498.5	1	0	21.57	-4.30	17.27	<=33.01	Pass
			13	21.59	-4.30	17.29	<=33.01	Pass
			24	21.39	-4.30	17.09	<=33.01	Pass
		12	0	20.72	-4.30	16.42	<=33.01	Pass
			6	20.70	-4.30	16.40	<=33.01	Pass



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			13	20.65	-4.30	16.35	<=33.01	Pass
		25	0	20.72	-4.30	16.42	<=33.01	Pass
	2593	1	0	23.55	-4.30	19.25	<=33.01	Pass
			13	23.59	-4.30	19.29	<=33.01	Pass
			24	23.62	-4.30	19.32	<=33.01	Pass
		12	0	22.57	-4.30	18.27	<=33.01	Pass
			6	22.71	-4.30	18.41	<=33.01	Pass
			13	22.69	-4.30	18.39	<=33.01	Pass
			25	0	22.55	-4.30	18.25	<=33.01
		2687.5	1	0	21.45	-4.30	17.15	<=33.01
	13			21.82	-4.30	17.52	<=33.01	Pass
	24			21.77	-4.30	17.47	<=33.01	Pass
	12		0	20.88	-4.30	16.58	<=33.01	Pass
			6	20.79	-4.30	16.49	<=33.01	Pass
			13	20.89	-4.30	16.59	<=33.01	Pass
			25	0	20.88	-4.30	16.58	<=33.01

Note1: EIRP=Conducted Power+Antenna Gain

B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	22.61	-4.30	18.31	<=33.01	Pass
			25	22.54	-4.30	18.24	<=33.01	Pass
			49	22.64	-4.30	18.34	<=33.01	Pass
		25	0	21.70	-4.30	17.40	<=33.01	Pass
			13	21.71	-4.30	17.41	<=33.01	Pass
			25	21.71	-4.30	17.41	<=33.01	Pass
		50	0	21.71	-4.30	17.41	<=33.01	Pass
	2593	1	0	24.41	-4.30	20.11	<=33.01	Pass
			25	24.67	-4.30	20.37	<=33.01	Pass
			49	24.69	-4.30	20.39	<=33.01	Pass
		25	0	23.53	-4.30	19.23	<=33.01	Pass
			13	23.68	-4.30	19.38	<=33.01	Pass
			25	23.70	-4.30	19.40	<=33.01	Pass
		50	0	23.63	-4.30	19.33	<=33.01	Pass
	2685	1	0	22.85	-4.30	18.55	<=33.01	Pass
			25	22.87	-4.30	18.57	<=33.01	Pass
			49	22.78	-4.30	18.48	<=33.01	Pass
		25	0	21.85	-4.30	17.55	<=33.01	Pass
			13	21.92	-4.30	17.62	<=33.01	Pass
			25	21.89	-4.30	17.59	<=33.01	Pass
		50	0	21.64	-4.30	17.34	<=33.01	Pass
16QAM	2501	1	0	21.55	-4.30	17.25	<=33.01	Pass
			25	21.42	-4.30	17.12	<=33.01	Pass
			49	21.69	-4.30	17.39	<=33.01	Pass
		25	0	20.67	-4.30	16.37	<=33.01	Pass
			13	20.75	-4.30	16.45	<=33.01	Pass
			25	20.70	-4.30	16.40	<=33.01	Pass
		50	0	20.69	-4.30	16.39	<=33.01	Pass
	2593	1	0	23.54	-4.30	19.24	<=33.01	Pass
			25	23.75	-4.30	19.45	<=33.01	Pass



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64QAM	2685	25	49	23.57	-4.30	19.27	<=33.01	Pass
			0	22.60	-4.30	18.30	<=33.01	Pass
			13	22.64	-4.30	18.34	<=33.01	Pass
		50	25	22.74	-4.30	18.44	<=33.01	Pass
			0	22.64	-4.30	18.34	<=33.01	Pass
			0	21.78	-4.30	17.48	<=33.01	Pass
	2501	1	25	21.90	-4.30	17.60	<=33.01	Pass
			49	21.69	-4.30	17.39	<=33.01	Pass
			0	20.85	-4.30	16.55	<=33.01	Pass
		25	13	20.97	-4.30	16.67	<=33.01	Pass
			25	20.92	-4.30	16.62	<=33.01	Pass
			0	20.84	-4.30	16.54	<=33.01	Pass
		50	0	21.49	-4.30	17.19	<=33.01	Pass
			25	21.53	-4.30	17.23	<=33.01	Pass
			49	21.57	-4.30	17.27	<=33.01	Pass
64QAM	2593	1	0	20.66	-4.30	16.36	<=33.01	Pass
			13	20.67	-4.30	16.37	<=33.01	Pass
			25	20.71	-4.30	16.41	<=33.01	Pass
		25	0	20.69	-4.30	16.39	<=33.01	Pass
			0	23.46	-4.30	19.16	<=33.01	Pass
			25	23.60	-4.30	19.30	<=33.01	Pass
		50	49	23.53	-4.30	19.23	<=33.01	Pass
			0	22.58	-4.30	18.28	<=33.01	Pass
			13	22.64	-4.30	18.34	<=33.01	Pass
64QAM	2685	25	25	22.72	-4.30	18.42	<=33.01	Pass
			0	22.53	-4.30	18.23	<=33.01	Pass
		50	0	21.76	-4.30	17.46	<=33.01	Pass
			25	21.80	-4.30	17.50	<=33.01	Pass
			49	21.77	-4.30	17.47	<=33.01	Pass
		25	0	20.85	-4.30	16.55	<=33.01	Pass
			13	20.93	-4.30	16.63	<=33.01	Pass
			25	20.90	-4.30	16.60	<=33.01	Pass
		50	0	20.84	-4.30	16.54	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	22.33	-4.30	18.03	<=33.01	Pass
			38	22.38	-4.30	18.08	<=33.01	Pass
			74	22.59	-4.30	18.29	<=33.01	Pass
		36	0	21.51	-4.30	17.21	<=33.01	Pass
			18	21.52	-4.30	17.22	<=33.01	Pass
			39	21.63	-4.30	17.33	<=33.01	Pass
	2593	75	0	21.60	-4.30	17.30	<=33.01	Pass
		1	0	24.38	-4.30	20.08	<=33.01	Pass
			38	24.41	-4.30	20.11	<=33.01	Pass
			74	24.42	-4.30	20.12	<=33.01	Pass
		36	0	23.48	-4.30	19.18	<=33.01	Pass
			18	23.41	-4.30	19.11	<=33.01	Pass
			39	23.60	-4.30	19.30	<=33.01	Pass



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		75	0	23.48	-4.30	19.18	<=33.01	Pass
	2682.5	1	0	22.69	-4.30	18.39	<=33.01	Pass
			38	22.68	-4.30	18.38	<=33.01	Pass
			74	22.61	-4.30	18.31	<=33.01	Pass
		36	0	21.74	-4.30	17.44	<=33.01	Pass
			18	21.73	-4.30	17.43	<=33.01	Pass
			39	21.71	-4.30	17.41	<=33.01	Pass
		75	0	21.68	-4.30	17.38	<=33.01	Pass
16QAM	2503.5	1	0	21.42	-4.30	17.12	<=33.01	Pass
			38	21.34	-4.30	17.04	<=33.01	Pass
			74	21.55	-4.30	17.25	<=33.01	Pass
		36	0	20.55	-4.30	16.25	<=33.01	Pass
			18	20.47	-4.30	16.17	<=33.01	Pass
			39	20.64	-4.30	16.34	<=33.01	Pass
		75	0	20.59	-4.30	16.29	<=33.01	Pass
	2593	1	0	23.52	-4.30	19.22	<=33.01	Pass
			38	23.52	-4.30	19.22	<=33.01	Pass
			74	23.51	-4.30	19.21	<=33.01	Pass
		36	0	22.50	-4.30	18.20	<=33.01	Pass
			18	22.33	-4.30	18.03	<=33.01	Pass
			39	22.51	-4.30	18.21	<=33.01	Pass
		75	0	22.49	-4.30	18.19	<=33.01	Pass
	2682.5	1	0	21.55	-4.30	17.25	<=33.01	Pass
			38	21.63	-4.30	17.33	<=33.01	Pass
			74	21.55	-4.30	17.25	<=33.01	Pass
		36	0	20.76	-4.30	16.46	<=33.01	Pass
			18	20.71	-4.30	16.41	<=33.01	Pass
			39	20.74	-4.30	16.44	<=33.01	Pass
		75	0	20.73	-4.30	16.43	<=33.01	Pass
64QAM	2503.5	1	0	21.23	-4.30	16.93	<=33.01	Pass
			38	21.37	-4.30	17.07	<=33.01	Pass
			74	21.61	-4.30	17.31	<=33.01	Pass
		36	0	20.56	-4.30	16.26	<=33.01	Pass
			18	20.57	-4.30	16.27	<=33.01	Pass
			39	20.65	-4.30	16.35	<=33.01	Pass
		75	0	20.60	-4.30	16.30	<=33.01	Pass
	2593	1	0	23.24	-4.30	18.94	<=33.01	Pass
			38	23.18	-4.30	18.88	<=33.01	Pass
			74	23.43	-4.30	19.13	<=33.01	Pass
		36	0	22.44	-4.30	18.14	<=33.01	Pass
			18	22.41	-4.30	18.11	<=33.01	Pass
			39	22.55	-4.30	18.25	<=33.01	Pass
	75	0	22.53	-4.30	18.23	<=33.01	Pass	
	2682.5	1	0	21.48	-4.30	17.18	<=33.01	Pass
			38	21.56	-4.30	17.26	<=33.01	Pass
			74	21.68	-4.30	17.38	<=33.01	Pass
36		0	20.59	-4.30	16.29	<=33.01	Pass	
		18	20.69	-4.30	16.39	<=33.01	Pass	
		39	20.75	-4.30	16.45	<=33.01	Pass	
75		0	20.71	-4.30	16.41	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

B41_20MHz_EIRP

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No. 1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.41	-4.30	18.11	<=33.01	Pass
			50	22.45	-4.30	18.15	<=33.01	Pass
			99	22.68	-4.30	18.38	<=33.01	Pass
		50	0	21.51	-4.30	17.21	<=33.01	Pass
			25	21.69	-4.30	17.39	<=33.01	Pass
			50	21.77	-4.30	17.47	<=33.01	Pass
		100	0	21.68	-4.30	17.38	<=33.01	Pass
	2593	1	0	24.47	-4.30	20.17	<=33.01	Pass
			50	24.40	-4.30	20.10	<=33.01	Pass
			99	24.45	-4.30	20.15	<=33.01	Pass
		50	0	23.48	-4.30	19.18	<=33.01	Pass
			25	23.50	-4.30	19.20	<=33.01	Pass
			50	23.63	-4.30	19.33	<=33.01	Pass
		100	0	23.38	-4.30	19.08	<=33.01	Pass
	2680	1	0	22.75	-4.30	18.45	<=33.01	Pass
			50	22.69	-4.30	18.39	<=33.01	Pass
			99	22.64	-4.30	18.34	<=33.01	Pass
		50	0	21.82	-4.30	17.52	<=33.01	Pass
			25	21.82	-4.30	17.52	<=33.01	Pass
			50	21.75	-4.30	17.45	<=33.01	Pass
		100	0	21.81	-4.30	17.51	<=33.01	Pass
16QAM	2506	1	0	21.29	-4.30	16.99	<=33.01	Pass
			50	21.55	-4.30	17.25	<=33.01	Pass
			99	21.53	-4.30	17.23	<=33.01	Pass
		50	0	20.49	-4.30	16.19	<=33.01	Pass
			25	20.63	-4.30	16.33	<=33.01	Pass
			50	20.78	-4.30	16.48	<=33.01	Pass
		100	0	20.70	-4.30	16.40	<=33.01	Pass
	2593	1	0	23.32	-4.30	19.02	<=33.01	Pass
			50	23.35	-4.30	19.05	<=33.01	Pass
			99	23.46	-4.30	19.16	<=33.01	Pass
		50	0	22.48	-4.30	18.18	<=33.01	Pass
			25	22.52	-4.30	18.22	<=33.01	Pass
			50	22.54	-4.30	18.24	<=33.01	Pass
		100	0	22.45	-4.30	18.15	<=33.01	Pass
	2680	1	0	21.71	-4.30	17.41	<=33.01	Pass
			50	21.66	-4.30	17.36	<=33.01	Pass
			99	21.65	-4.30	17.35	<=33.01	Pass
		50	0	20.76	-4.30	16.46	<=33.01	Pass
			25	20.82	-4.30	16.52	<=33.01	Pass
			50	20.80	-4.30	16.50	<=33.01	Pass
		100	0	20.77	-4.30	16.47	<=33.01	Pass
64QAM	2506	1	0	21.27	-4.30	16.97	<=33.01	Pass
			50	21.53	-4.30	17.23	<=33.01	Pass
			99	21.69	-4.30	17.39	<=33.01	Pass
		50	0	20.49	-4.30	16.19	<=33.01	Pass
			25	20.62	-4.30	16.32	<=33.01	Pass
			50	20.81	-4.30	16.51	<=33.01	Pass
		100	0	20.65	-4.30	16.35	<=33.01	Pass

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	2593	1	0	23.51	-4.30	19.21	<=33.01	Pass
			50	23.38	-4.30	19.08	<=33.01	Pass
			99	23.46	-4.30	19.16	<=33.01	Pass
		50	0	22.49	-4.30	18.19	<=33.01	Pass
			25	22.44	-4.30	18.14	<=33.01	Pass
			50	22.63	-4.30	18.33	<=33.01	Pass
		100	0	22.51	-4.30	18.21	<=33.01	Pass
	2680	1	0	21.59	-4.30	17.29	<=33.01	Pass
			50	21.54	-4.30	17.24	<=33.01	Pass
			99	21.56	-4.30	17.26	<=33.01	Pass
		50	0	20.79	-4.30	16.49	<=33.01	Pass
			25	20.79	-4.30	16.49	<=33.01	Pass
			50	20.80	-4.30	16.50	<=33.01	Pass
		100	0	20.80	-4.30	16.50	<=33.01	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

3.2.2 TEST PROCEDURE

- NOTE:** The frequency error was recorded frequency error from the communication simulator.

The diagram illustrates the test setup for the oven room. It features a central vertical line representing the oven room boundary. To the left of this line, there are two rectangular blocks: 'COMMUNICATION SIMULATOR' at the top and 'DC POWER SUPPLY' at the bottom. To the right of the line, there are three components: 'OVEN ROOM' at the top, 'ANTENNA' in the middle, and 'EUT' (Equipment Under Test) at the bottom. The 'EUT' block is highlighted in pink. Connections are shown as follows: a horizontal line from the 'COMMUNICATION SIMULATOR' to the vertical line, and another horizontal line from the 'DC POWER SUPPLY' to the vertical line. Both horizontal lines cross the vertical line. From the top of the vertical line, a horizontal line extends to the right, connecting to the 'ANTENNA' block. From the bottom of the vertical line, a horizontal line extends to the right, connecting to the 'EUT' block. Additionally, there is a label 'EXTERNAL POWER SOURCE' to the right of the vertical line, positioned between the 'ANTENNA' and 'EUT' blocks, with a small vertical line segment connecting it to the main vertical line.

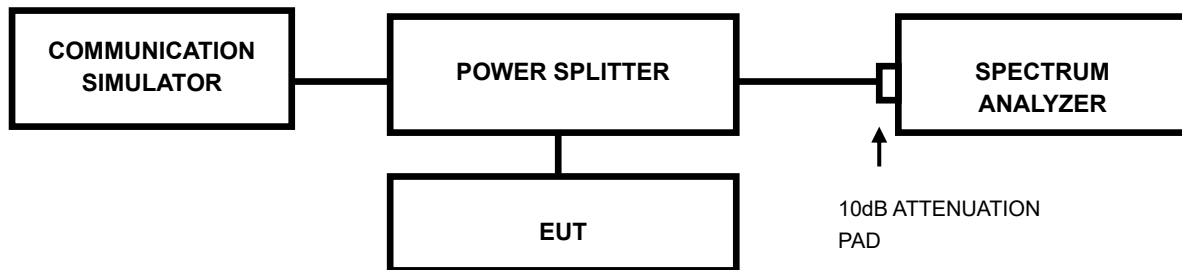
Please Refer to Appendix Of this test report.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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 power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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3.4 BAND EDGE MEASUREMENT

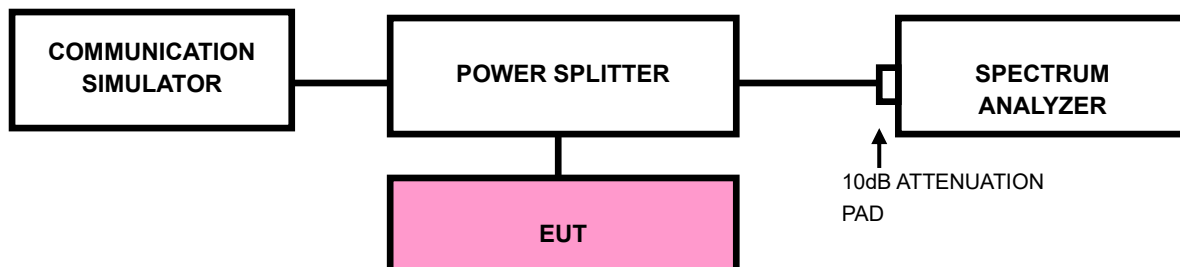
3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC Part 27.53(h) specified that For operations in the 1710-1755 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. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to FCC Part 27.53(m)(4) specified that 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. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.

According to FCC Part 27.53 (n)(2)For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph is based on the use of measurement instrumentation employing a lresolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.4.2 TEST SETUP





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3.4.3 TEST PROCEDURES

- a) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- b) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
- c) Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- e) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- f) Select the average power (RMS) display detector.
- g) Set the number of measurement points to ≥ 1001 .
- h) Use auto-coupled sweep time.
- i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- k) Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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. The emission limit equal to -13dBm .

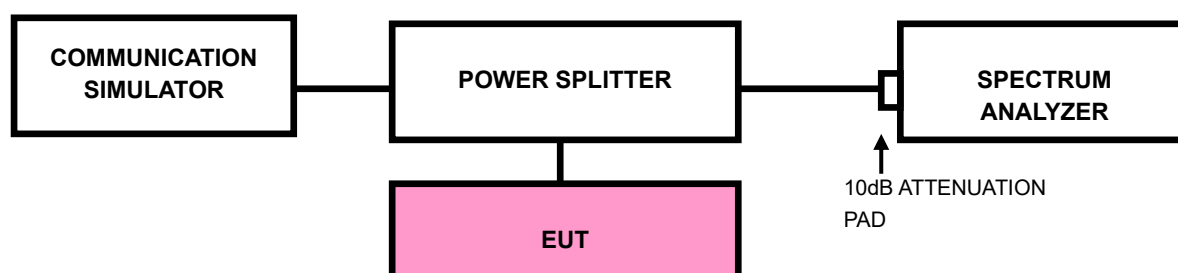
For: Band41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

3.5.2 TEST PROCEDURE

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to Appendix Of this test report.



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3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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. The emission limit equal to -13dBm .

For: Band41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G.
- c. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$.

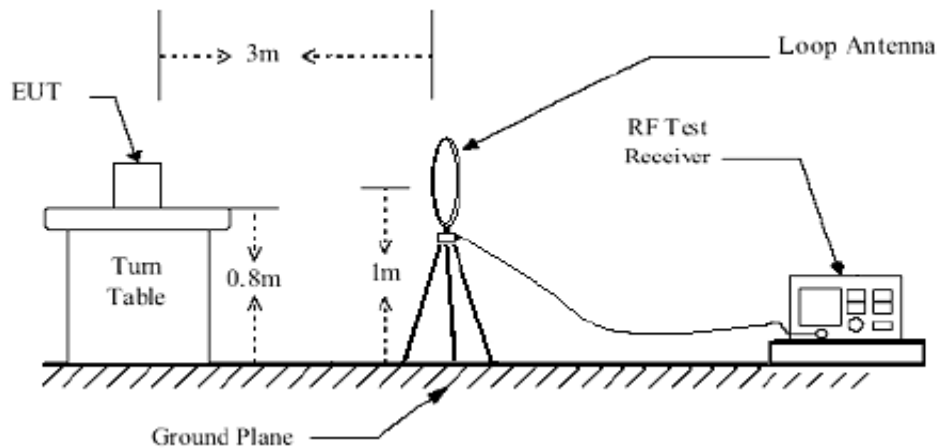
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

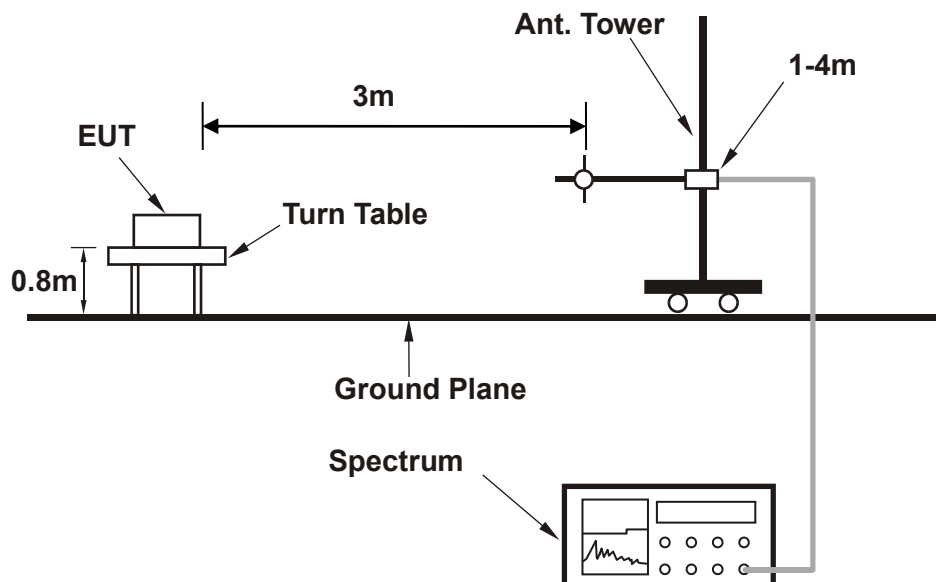
No deviation

3.6.4 TEST SETUP

< Frequency Range below 30MHz >

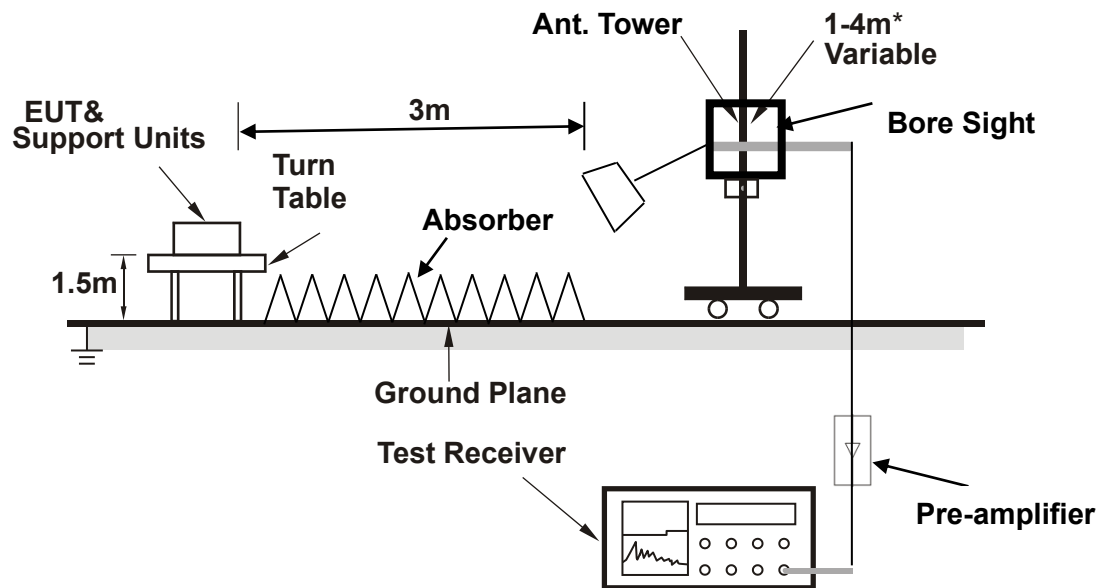


< Frequency Range 30MHz~1GHz >



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<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).



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3.6.5 TEST RESULTS

NOTE1 : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

NOTE2 : The measurement range is 30M to the tenth harmonic of the highest fundamental frequency, For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report

LTE band 38

Test result:

ANT1 Channel 38000

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
487.71	-100.07	-25	Vertical
879.47	-86.85	-25	Vertical
950.11	-90.82	-25	Vertical
1512.40	-84.23	-25	Vertical
3420	-79.52	-25	Vertical
8060	-77.22	-25	Vertical
12300	-72.50	-25	Vertical

LTE band 41

Test result:

ANT1 Channel 40620

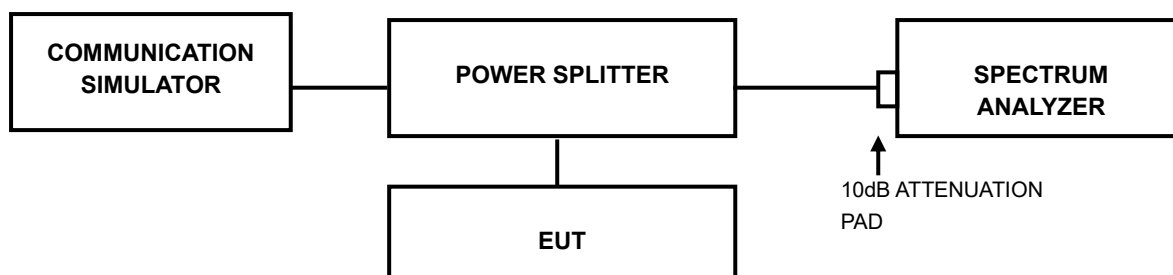
Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
762.58	-97.92	-25	Vertical
879.41	-86.16	-25	Vertical
950.11	-88.42	-25	Vertical
2422.29	-80.32	-25	Horizontal
4680	-81.71	-25	Vertical
8090	-77.11	-25	Vertical
11510	-71.49	-25	Vertical

3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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5 INFORMATION ON THE TESTING LABORATORIES

We, BOOMWAVE TEST (SHENZHEN) CO., LTD., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

Shenzhen EMC/RF Lab:

Mobile: +86 15118052731

Email: shimin.wang@boomwavelab.com



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6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



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7 APPENDIX

LTE BAND38 FREQUENCY STABILITY

Test Result

B38_5MHz

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.4	3.100	0.0012	-2.5 to 2.5	Pass
					4	7.700	0.0030	-2.5 to 2.5	Pass
					4.6	5.600	0.0022	-2.5 to 2.5	Pass
				5	4	3.000	0.0012	-2.5 to 2.5	Pass
				15	4	4.700	0.0018	-2.5 to 2.5	Pass
				25	4	1.900	0.0007	-2.5 to 2.5	Pass
				35	4	4.100	0.0016	-2.5 to 2.5	Pass
	2595	25	0	20	3.4	1.700	0.0007	-2.5 to 2.5	Pass
					4	-2.300	-0.0009	-2.5 to 2.5	Pass
					4.6	2.800	0.0011	-2.5 to 2.5	Pass
				5	4	-2.100	-0.0008	-2.5 to 2.5	Pass
				15	4	1.400	0.0005	-2.5 to 2.5	Pass
				25	4	0.900	0.0003	-2.5 to 2.5	Pass
				35	4	1.800	0.0007	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.4	2.800	0.0011	-2.5 to 2.5	Pass
					4	1.700	0.0006	-2.5 to 2.5	Pass
					4.6	4.000	0.0015	-2.5 to 2.5	Pass
				5	4	1.100	0.0004	-2.5 to 2.5	Pass
				15	4	0.200	0.0001	-2.5 to 2.5	Pass
				25	4	2.300	0.0009	-2.5 to 2.5	Pass
				35	4	-1.000	-0.0004	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.4	7.100	0.0028	-2.5 to 2.5	Pass
					4	3.600	0.0014	-2.5 to 2.5	Pass
					4.6	6.200	0.0024	-2.5 to 2.5	Pass
				5	4	4.500	0.0017	-2.5 to 2.5	Pass
				15	4	4.800	0.0019	-2.5 to 2.5	Pass
				25	4	3.700	0.0014	-2.5 to 2.5	Pass
				35	4	4.200	0.0016	-2.5 to 2.5	Pass
	2595	25	0	20	3.4	-2.000	-0.0008	-2.5 to 2.5	Pass
					4	3.600	0.0014	-2.5 to 2.5	Pass
					4.6	1.300	0.0005	-2.5 to 2.5	Pass
				5	4	0.100	0.0000	-2.5 to 2.5	Pass
				15	4	4.600	0.0018	-2.5 to 2.5	Pass
				25	4	3.100	0.0012	-2.5 to 2.5	Pass
				35	4	0.200	0.0001	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.4	3.800	0.0015	-2.5 to 2.5	Pass
4					1.000	0.0004	-2.5 to 2.5	Pass	
4.6					4.000	0.0015	-2.5 to 2.5	Pass	



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64QAM				5	4	2.300	0.0009	-2.5 to 2.5	Pass
				15	4	2.700	0.0010	-2.5 to 2.5	Pass
				25	4	5.600	0.0021	-2.5 to 2.5	Pass
				35	4	0.400	0.0002	-2.5 to 2.5	Pass
	2572.5	25	0	20	3.4	32.500	0.0126	-2.5 to 2.5	Pass
					4	-28.100	-0.0109	-2.5 to 2.5	Pass
					4.6	-42.200	-0.0164	-2.5 to 2.5	Pass
				5	4	6.300	0.0024	-2.5 to 2.5	Pass
				15	4	-19.300	-0.0075	-2.5 to 2.5	Pass
				25	4	-18.500	-0.0072	-2.5 to 2.5	Pass
				35	4	3.200	0.0012	-2.5 to 2.5	Pass
				20	3.4	-14.400	-0.0055	-2.5 to 2.5	Pass
					4	34.800	0.0134	-2.5 to 2.5	Pass
					4.6	43.500	0.0168	-2.5 to 2.5	Pass
	2595	25	0	5	4	45.100	0.0174	-2.5 to 2.5	Pass
				15	4	16.400	0.0063	-2.5 to 2.5	Pass
				25	4	15.800	0.0061	-2.5 to 2.5	Pass
				35	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				20	3.4	-5.500	-0.0021	-2.5 to 2.5	Pass
					4	-19.500	-0.0074	-2.5 to 2.5	Pass
					4.6	-30.600	-0.0117	-2.5 to 2.5	Pass
				5	4	6.500	0.0025	-2.5 to 2.5	Pass
	2617.5	25	0	15	4	-7.100	-0.0027	-2.5 to 2.5	Pass
				25	4	5.700	0.0022	-2.5 to 2.5	Pass
				35	4	-11.600	-0.0044	-2.5 to 2.5	Pass

B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.4	3.000	0.0012	-2.5 to 2.5	Pass
					4	4.600	0.0018	-2.5 to 2.5	Pass
					4.6	2.400	0.0009	-2.5 to 2.5	Pass
				5	4	-0.400	-0.0002	-2.5 to 2.5	Pass
				15	4	-1.400	-0.0005	-2.5 to 2.5	Pass
				25	4	2.000	0.0008	-2.5 to 2.5	Pass
				35	4	2.500	0.0010	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	2.600	0.0010	-2.5 to 2.5	Pass
					4	2.700	0.0010	-2.5 to 2.5	Pass
					4.6	1.900	0.0007	-2.5 to 2.5	Pass
				5	4	3.600	0.0014	-2.5 to 2.5	Pass
				15	4	1.300	0.0005	-2.5 to 2.5	Pass
				25	4	1.600	0.0006	-2.5 to 2.5	Pass
				35	4	2.700	0.0010	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	0.100	0.0000	-2.5 to 2.5	Pass
					4	-2.000	-0.0008	-2.5 to 2.5	Pass
					4.6	-2.700	-0.0010	-2.5 to 2.5	Pass
				5	4	-0.800	-0.0003	-2.5 to 2.5	Pass
				15	4	-4.100	-0.0016	-2.5 to 2.5	Pass
				25	4	-1.800	-0.0007	-2.5 to 2.5	Pass
				35	4	1.000	0.0004	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.4	2.500	0.0010	-2.5 to 2.5	Pass
					4	0.700	0.0003	-2.5 to 2.5	Pass



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					4.6	3.400	0.0013	-2.5 to 2.5	Pass
				5	4	-0.800	-0.0003	-2.5 to 2.5	Pass
				15	4	1.600	0.0006	-2.5 to 2.5	Pass
				25	4	-1.100	-0.0004	-2.5 to 2.5	Pass
				35	4	-2.400	-0.0009	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	2.900	0.0011	-2.5 to 2.5	Pass
					4	0.100	0.0000	-2.5 to 2.5	Pass
					4.6	1.100	0.0004	-2.5 to 2.5	Pass
				5	4	2.900	0.0011	-2.5 to 2.5	Pass
				15	4	-0.400	-0.0002	-2.5 to 2.5	Pass
				25	4	-0.300	-0.0001	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	3.000	0.0011	-2.5 to 2.5	Pass
					4	-5.100	-0.0020	-2.5 to 2.5	Pass
					4.6	1.000	0.0004	-2.5 to 2.5	Pass
				5	4	-2.000	-0.0008	-2.5 to 2.5	Pass
				15	4	-2.300	-0.0009	-2.5 to 2.5	Pass
				25	4	-1.900	-0.0007	-2.5 to 2.5	Pass
				35	4	1.300	0.0005	-2.5 to 2.5	Pass
64QAM	2575	50	0	20	3.4	-12.200	-0.0047	-2.5 to 2.5	Pass
					4	17.300	0.0067	-2.5 to 2.5	Pass
					4.6	-3.500	-0.0014	-2.5 to 2.5	Pass
				5	4	15.900	0.0062	-2.5 to 2.5	Pass
				15	4	-7.200	-0.0028	-2.5 to 2.5	Pass
				25	4	-4.300	-0.0017	-2.5 to 2.5	Pass
				35	4	12.200	0.0047	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	-5.600	-0.0022	-2.5 to 2.5	Pass
					4	12.100	0.0047	-2.5 to 2.5	Pass
					4.6	5.100	0.0020	-2.5 to 2.5	Pass
				5	4	-17.100	-0.0066	-2.5 to 2.5	Pass
				15	4	8.500	0.0033	-2.5 to 2.5	Pass
				25	4	31.600	0.0122	-2.5 to 2.5	Pass
				35	4	1.600	0.0006	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	3.600	0.0014	-2.5 to 2.5	Pass
					4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4.6	-27.400	-0.0105	-2.5 to 2.5	Pass
				5	4	-5.400	-0.0021	-2.5 to 2.5	Pass
				15	4	14.500	0.0055	-2.5 to 2.5	Pass
				25	4	4.700	0.0018	-2.5 to 2.5	Pass
				35	4	7.600	0.0029	-2.5 to 2.5	Pass

B38_15MHz

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.4	2.500	0.0010	-2.5 to 2.5	Pass
					4	4.200	0.0016	-2.5 to 2.5	Pass
					4.6	-1.000	-0.0004	-2.5 to 2.5	Pass
				5	4	3.300	0.0013	-2.5 to 2.5	Pass
				15	4	4.800	0.0019	-2.5 to 2.5	Pass
				25	4	1.400	0.0005	-2.5 to 2.5	Pass
				35	4	4.500	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	3.4	2.100	0.0008	-2.5 to 2.5	Pass

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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						4	2.000	0.0008	-2.5 to 2.5	Pass
						4.6	1.300	0.0005	-2.5 to 2.5	Pass
					5	4	3.500	0.0013	-2.5 to 2.5	Pass
					15	4	5.000	0.0019	-2.5 to 2.5	Pass
					25	4	3.700	0.0014	-2.5 to 2.5	Pass
					35	4	1.900	0.0007	-2.5 to 2.5	Pass
				2612.5	75	0	20	3.4	2.700	0.0010
	4	-1.500	-0.0006					-2.5 to 2.5	Pass	
	4.6	1.200	0.0005					-2.5 to 2.5	Pass	
	5	4	3.600				0.0014	-2.5 to 2.5	Pass	
	15	4	-1.600				-0.0006	-2.5 to 2.5	Pass	
	25	4	2.800				0.0011	-2.5 to 2.5	Pass	
	35	4	1.000				0.0004	-2.5 to 2.5	Pass	
	16QAM	2577.5	75	0	20	3.4	0.300	0.0001	-2.5 to 2.5	Pass
4						5.300	0.0021	-2.5 to 2.5	Pass	
4.6						1.600	0.0006	-2.5 to 2.5	Pass	
5					4	-0.800	-0.0003	-2.5 to 2.5	Pass	
15					4	2.100	0.0008	-2.5 to 2.5	Pass	
25					4	4.100	0.0016	-2.5 to 2.5	Pass	
35					4	3.100	0.0012	-2.5 to 2.5	Pass	
2595		75	0	20	3.4	1.500	0.0006	-2.5 to 2.5	Pass	
					4	2.900	0.0011	-2.5 to 2.5	Pass	
					4.6	3.700	0.0014	-2.5 to 2.5	Pass	
				5	4	1.600	0.0006	-2.5 to 2.5	Pass	
				15	4	1.500	0.0006	-2.5 to 2.5	Pass	
				25	4	2.000	0.0008	-2.5 to 2.5	Pass	
2612.5		75	0	20	3.4	3.000	0.0011	-2.5 to 2.5	Pass	
					4	-3.900	-0.0015	-2.5 to 2.5	Pass	
					4.6	0.200	0.0001	-2.5 to 2.5	Pass	
				5	4	5.800	0.0022	-2.5 to 2.5	Pass	
				15	4	1.600	0.0006	-2.5 to 2.5	Pass	
				25	4	-0.800	-0.0003	-2.5 to 2.5	Pass	
				35	4	0.200	0.0001	-2.5 to 2.5	Pass	
64QAM		2577.5	75	0	20	3.4	8.100	0.0031	-2.5 to 2.5	Pass
	4					-4.600	-0.0018	-2.5 to 2.5	Pass	
	4.6					3.600	0.0014	-2.5 to 2.5	Pass	
	5				4	19.000	0.0074	-2.5 to 2.5	Pass	
	15				4	1.500	0.0006	-2.5 to 2.5	Pass	
	25				4	-3.500	-0.0014	-2.5 to 2.5	Pass	
	35				4	5.000	0.0019	-2.5 to 2.5	Pass	
	2595	75	0	20	3.4	-2.900	-0.0011	-2.5 to 2.5	Pass	
					4	-9.300	-0.0036	-2.5 to 2.5	Pass	
					4.6	-2.000	-0.0008	-2.5 to 2.5	Pass	
				5	4	10.900	0.0042	-2.5 to 2.5	Pass	
				15	4	20.600	0.0079	-2.5 to 2.5	Pass	
				25	4	9.800	0.0038	-2.5 to 2.5	Pass	
				35	4	12.300	0.0047	-2.5 to 2.5	Pass	
2612.5	75	0	20	3.4	-11.500	-0.0044	-2.5 to 2.5	Pass		
				4	18.500	0.0071	-2.5 to 2.5	Pass		
				4.6	6.000	0.0023	-2.5 to 2.5	Pass		
			5	4	-17.300	-0.0066	-2.5 to 2.5	Pass		
			15	4	6.000	0.0023	-2.5 to 2.5	Pass		

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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				25	4	1.400	0.0005	-2.5 to 2.5	Pass
				35	4	-22.400	-0.0086	-2.5 to 2.5	Pass

B38_20MHz

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.4	5.000	0.0019	-2.5 to 2.5	Pass
					4	0.800	0.0003	-2.5 to 2.5	Pass
					4.6	4.400	0.0017	-2.5 to 2.5	Pass
				5	4	-0.100	0.0000	-2.5 to 2.5	Pass
				15	4	4.000	0.0016	-2.5 to 2.5	Pass
				25	4	2.900	0.0011	-2.5 to 2.5	Pass
				35	4	5.500	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	3.4	-0.700	-0.0003	-2.5 to 2.5	Pass
					4	0.600	0.0002	-2.5 to 2.5	Pass
					4.6	0.800	0.0003	-2.5 to 2.5	Pass
				5	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				15	4	-0.400	-0.0002	-2.5 to 2.5	Pass
				25	4	-2.000	-0.0008	-2.5 to 2.5	Pass
				35	4	-3.400	-0.0013	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	1.000	0.0004	-2.5 to 2.5	Pass
					4	0.600	0.0002	-2.5 to 2.5	Pass
					4.6	-2.700	-0.0010	-2.5 to 2.5	Pass
				5	4	-0.500	-0.0002	-2.5 to 2.5	Pass
				15	4	-1.000	-0.0004	-2.5 to 2.5	Pass
				25	4	4.000	0.0015	-2.5 to 2.5	Pass
				35	4	-0.900	-0.0003	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.4	3.600	0.0014	-2.5 to 2.5	Pass
					4	3.300	0.0013	-2.5 to 2.5	Pass
					4.6	3.100	0.0012	-2.5 to 2.5	Pass
				5	4	2.100	0.0008	-2.5 to 2.5	Pass
				15	4	4.900	0.0019	-2.5 to 2.5	Pass
				25	4	1.800	0.0007	-2.5 to 2.5	Pass
				35	4	-0.200	-0.0001	-2.5 to 2.5	Pass
	2595	100	0	20	3.4	1.200	0.0005	-2.5 to 2.5	Pass
					4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.6	1.200	0.0005	-2.5 to 2.5	Pass
				5	4	-0.400	-0.0002	-2.5 to 2.5	Pass
				15	4	0.400	0.0002	-2.5 to 2.5	Pass
				25	4	-0.500	-0.0002	-2.5 to 2.5	Pass
				35	4	0.300	0.0001	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	1.600	0.0006	-2.5 to 2.5	Pass
					4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.6	-1.300	-0.0005	-2.5 to 2.5	Pass
				5	4	0.000	0.0000	-2.5 to 2.5	Pass
				15	4	4.000	0.0015	-2.5 to 2.5	Pass
				25	4	2.400	0.0009	-2.5 to 2.5	Pass
				35	4	2.100	0.0008	-2.5 to 2.5	Pass
64QAM	2580	100	0	20	3.4	-2.100	-0.0008	-2.5 to 2.5	Pass
					4	5.500	0.0021	-2.5 to 2.5	Pass
					4.6	7.400	0.0029	-2.5 to 2.5	Pass
				5	4	1.200	0.0005	-2.5 to 2.5	Pass



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				15	4	13.700	0.0053	-2.5 to 2.5	Pass
				25	4	-4.300	-0.0017	-2.5 to 2.5	Pass
				35	4	-0.300	-0.0001	-2.5 to 2.5	Pass
	2595	100	0	20	3.4	-2.800	-0.0011	-2.5 to 2.5	Pass
					4	0.400	0.0002	-2.5 to 2.5	Pass
					4.6	4.600	0.0018	-2.5 to 2.5	Pass
				5	4	5.600	0.0022	-2.5 to 2.5	Pass
				15	4	-8.500	-0.0033	-2.5 to 2.5	Pass
				25	4	10.400	0.0040	-2.5 to 2.5	Pass
				35	4	3.100	0.0012	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	5.000	0.0019	-2.5 to 2.5	Pass
					4	-6.300	-0.0024	-2.5 to 2.5	Pass
					4.6	-8.500	-0.0033	-2.5 to 2.5	Pass
				5	4	6.800	0.0026	-2.5 to 2.5	Pass
				15	4	2.800	0.0011	-2.5 to 2.5	Pass
				25	4	16.900	0.0065	-2.5 to 2.5	Pass
				35	4	-7.500	-0.0029	-2.5 to 2.5	Pass



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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band38_OBW

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.477	/	Pass
		2595	25	0	4.486	/	Pass
		2617.5	25	0	4.480	/	Pass
	16QAM	2572.5	25	0	4.482	/	Pass
		2595	25	0	4.476	/	Pass
		2617.5	25	0	4.486	/	Pass
	64QAM	2572.5	25	0	4.487	/	Pass
		2595	25	0	4.484	/	Pass
		2617.5	25	0	4.480	/	Pass
10	QPSK	2575	50	0	8.960	/	Pass
		2595	50	0	8.965	/	Pass
		2615	50	0	8.977	/	Pass
	16QAM	2575	50	0	8.981	/	Pass
		2595	50	0	8.987	/	Pass
		2615	50	0	8.962	/	Pass
	64QAM	2575	50	0	9.009	/	Pass
		2595	50	0	8.958	/	Pass
		2615	50	0	8.981	/	Pass
15	QPSK	2577.5	75	0	13.471	/	Pass
		2595	75	0	13.448	/	Pass
		2612.5	75	0	13.476	/	Pass
	16QAM	2577.5	75	0	13.434	/	Pass
		2595	75	0	13.465	/	Pass
		2612.5	75	0	13.442	/	Pass
	64QAM	2577.5	75	0	13.448	/	Pass
		2595	75	0	13.479	/	Pass
		2612.5	75	0	13.435	/	Pass
20	QPSK	2580	100	0	17.925	/	Pass
		2595	100	0	17.878	/	Pass
		2610	100	0	17.894	/	Pass
	16QAM	2580	100	0	17.908	/	Pass
		2595	100	0	17.954	/	Pass
		2610	100	0	17.896	/	Pass
	64QAM	2580	100	0	17.926	/	Pass
		2595	100	0	17.893	/	Pass
		2610	100	0	17.919	/	Pass



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Band38_26DB

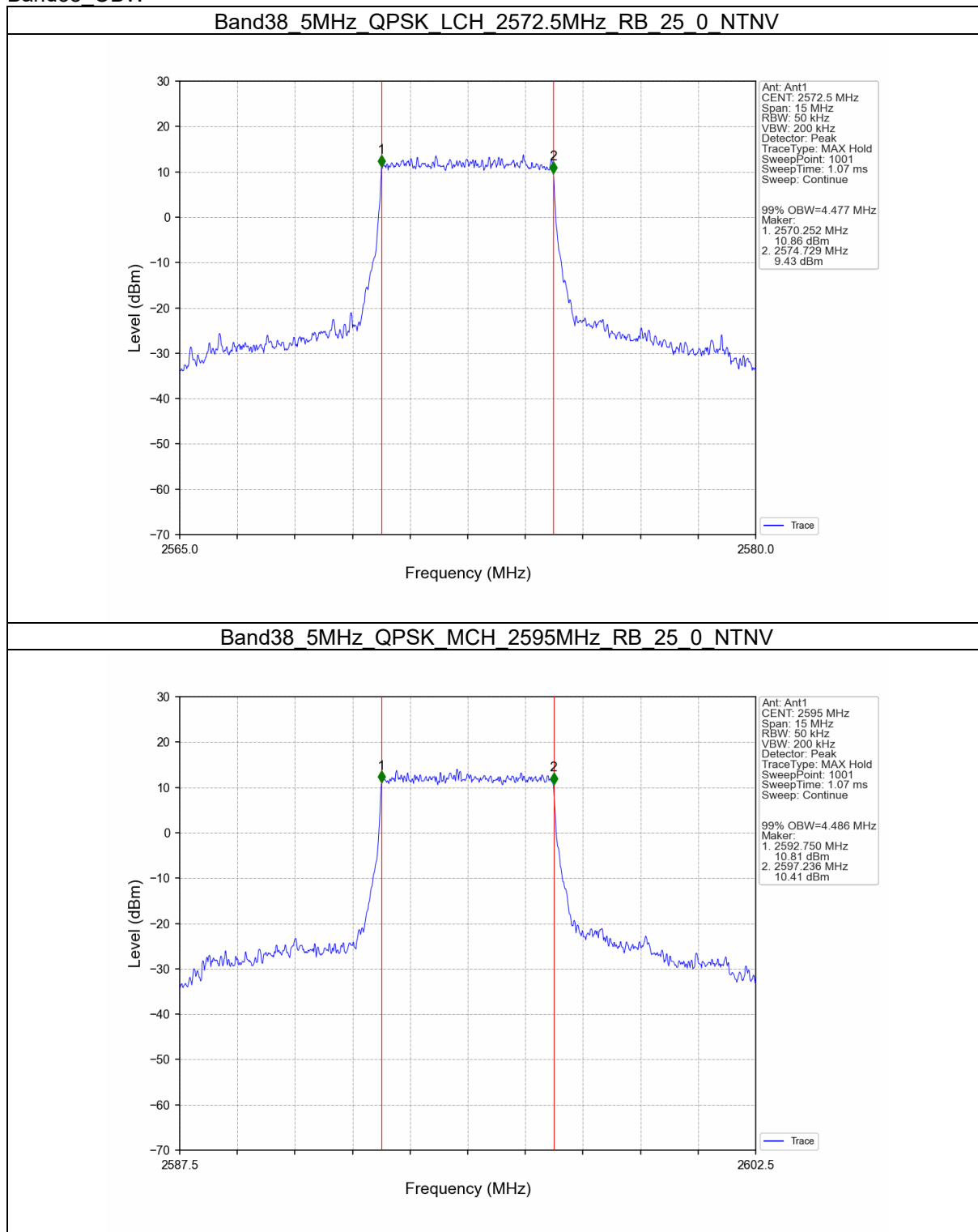
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.999	/	Pass
		2595	25	0	5.027	/	Pass
		2617.5	25	0	5.021	/	Pass
	16QAM	2572.5	25	0	5.012	/	Pass
		2595	25	0	4.971	/	Pass
		2617.5	25	0	4.993	/	Pass
	64QAM	2572.5	25	0	5.007	/	Pass
		2595	25	0	4.989	/	Pass
		2617.5	25	0	4.927	/	Pass
10	QPSK	2575	50	0	9.734	/	Pass
		2595	50	0	9.793	/	Pass
		2615	50	0	9.654	/	Pass
	16QAM	2575	50	0	9.736	/	Pass
		2595	50	0	9.673	/	Pass
		2615	50	0	9.778	/	Pass
	64QAM	2575	50	0	9.756	/	Pass
		2595	50	0	9.804	/	Pass
		2615	50	0	9.778	/	Pass
15	QPSK	2577.5	75	0	14.623	/	Pass
		2595	75	0	14.549	/	Pass
		2612.5	75	0	14.618	/	Pass
	16QAM	2577.5	75	0	14.524	/	Pass
		2595	75	0	14.785	/	Pass
		2612.5	75	0	14.602	/	Pass
	64QAM	2577.5	75	0	14.563	/	Pass
		2595	75	0	14.839	/	Pass
		2612.5	75	0	14.572	/	Pass
20	QPSK	2580	100	0	19.345	/	Pass
		2595	100	0	19.362	/	Pass
		2610	100	0	18.810	/	Pass
	16QAM	2580	100	0	18.933	/	Pass
		2595	100	0	19.397	/	Pass
		2610	100	0	18.896	/	Pass
	64QAM	2580	100	0	19.162	/	Pass
		2595	100	0	19.129	/	Pass
		2610	100	0	18.987	/	Pass



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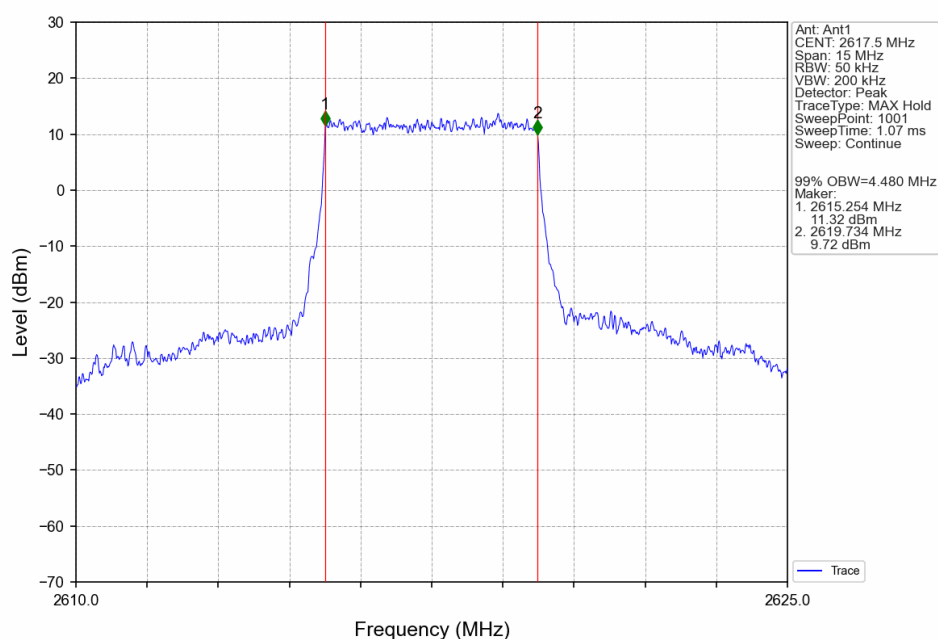
Test Graph

Band38_OBW

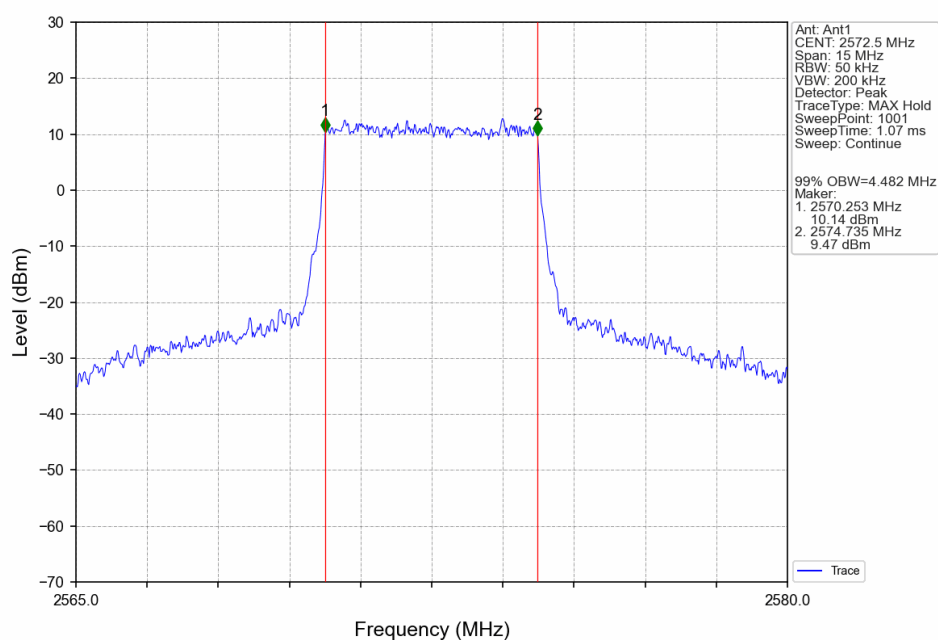


Test Report No.: RF260703B003

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

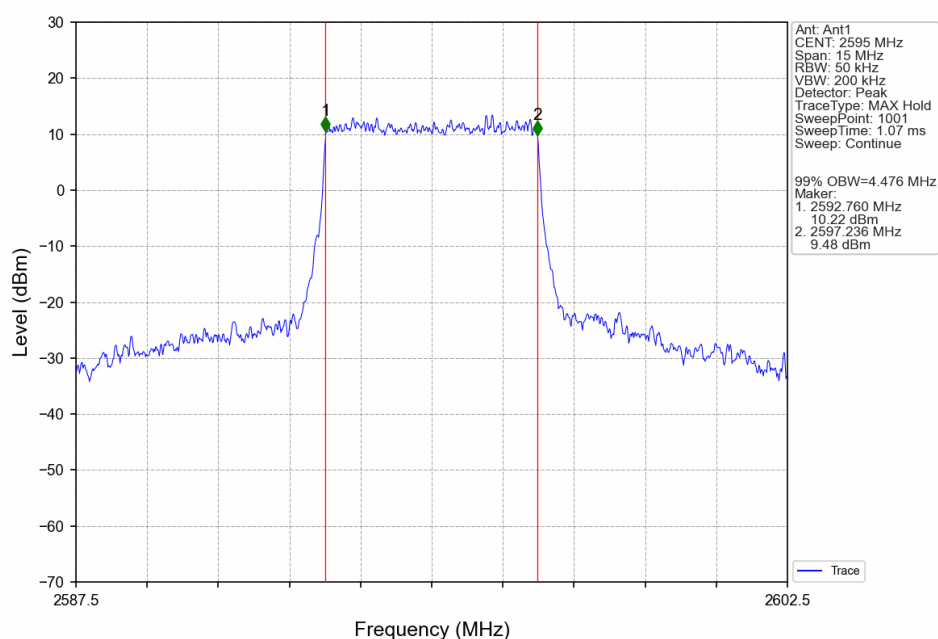


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV

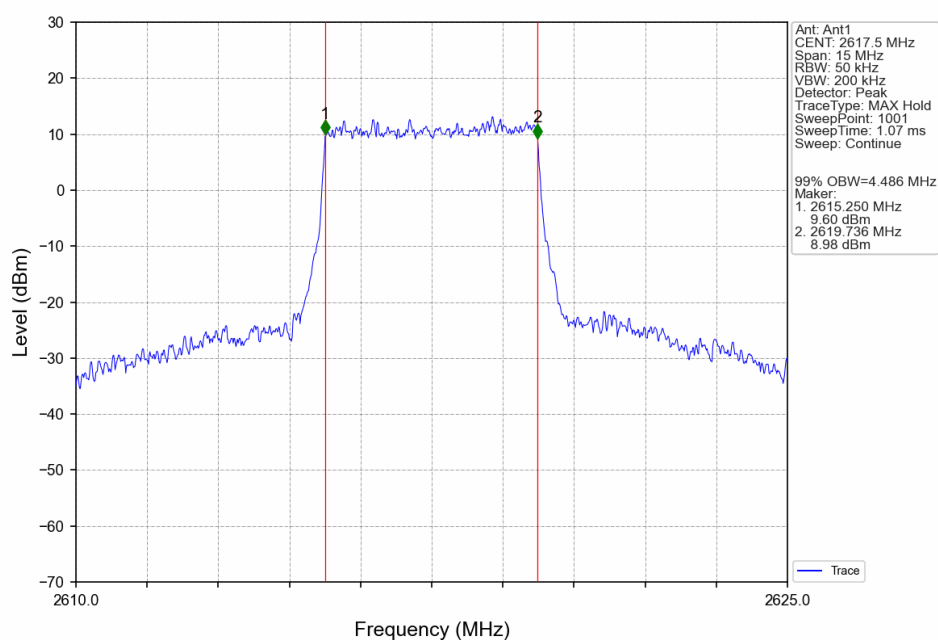


Test Report No.: RF260703B003

Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV

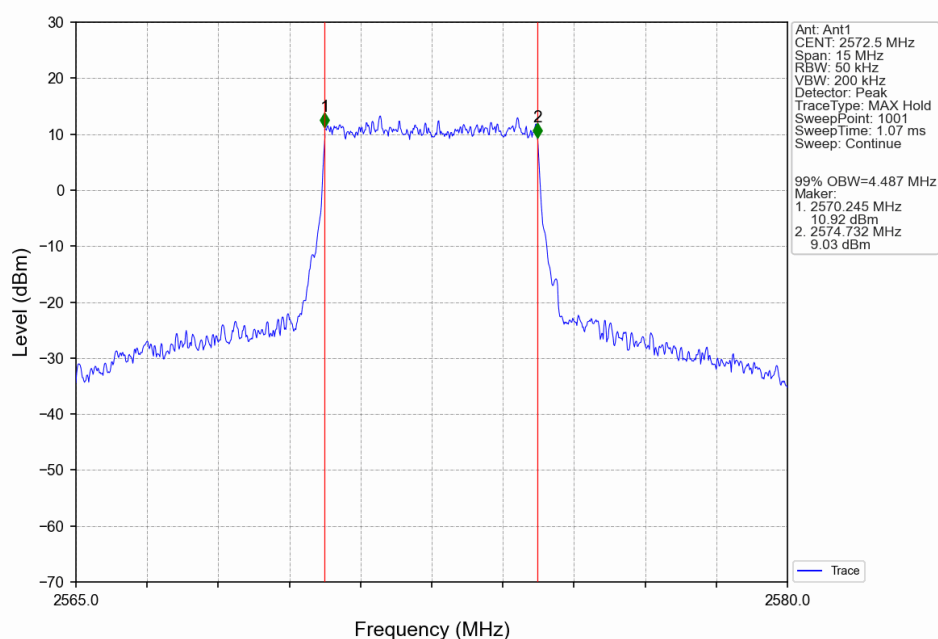


Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV

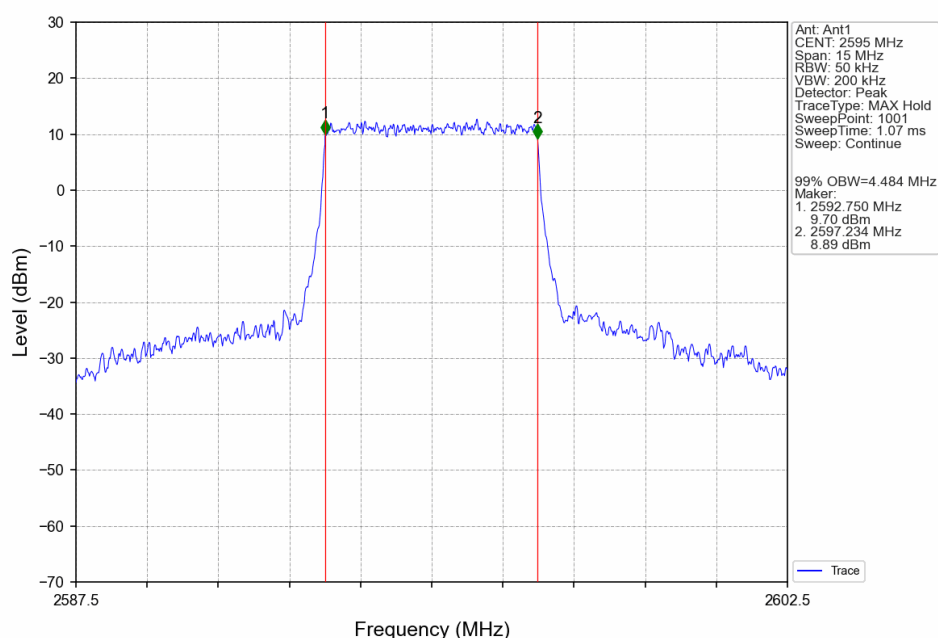


Test Report No.: RF260703B003

Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



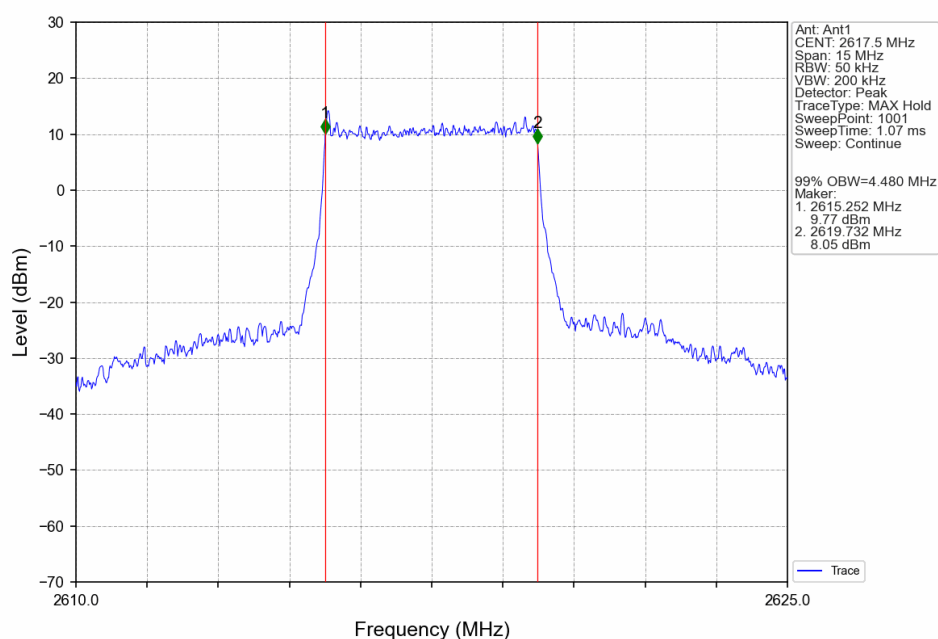
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



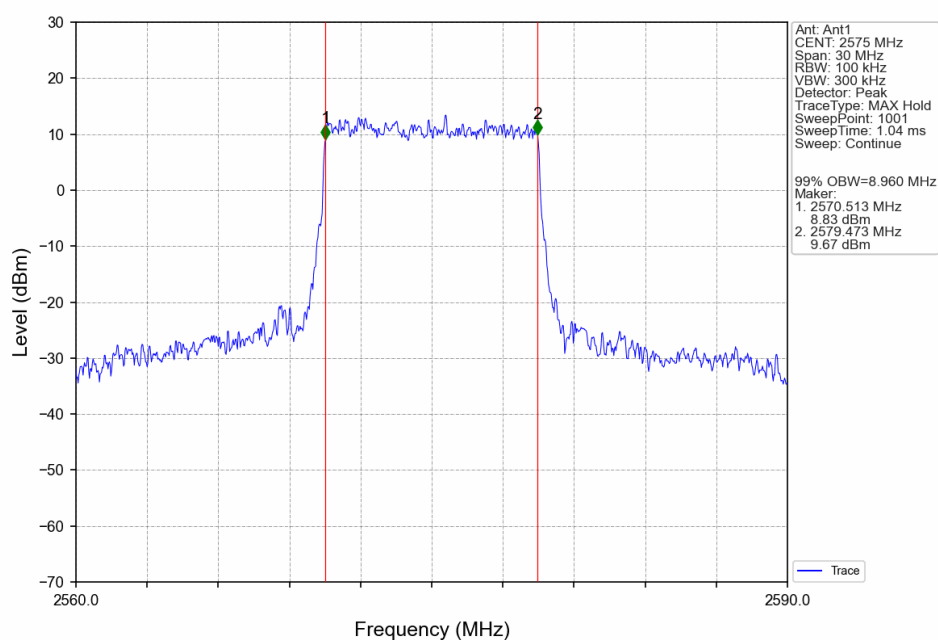


Test Report No.: RF260703B003

Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



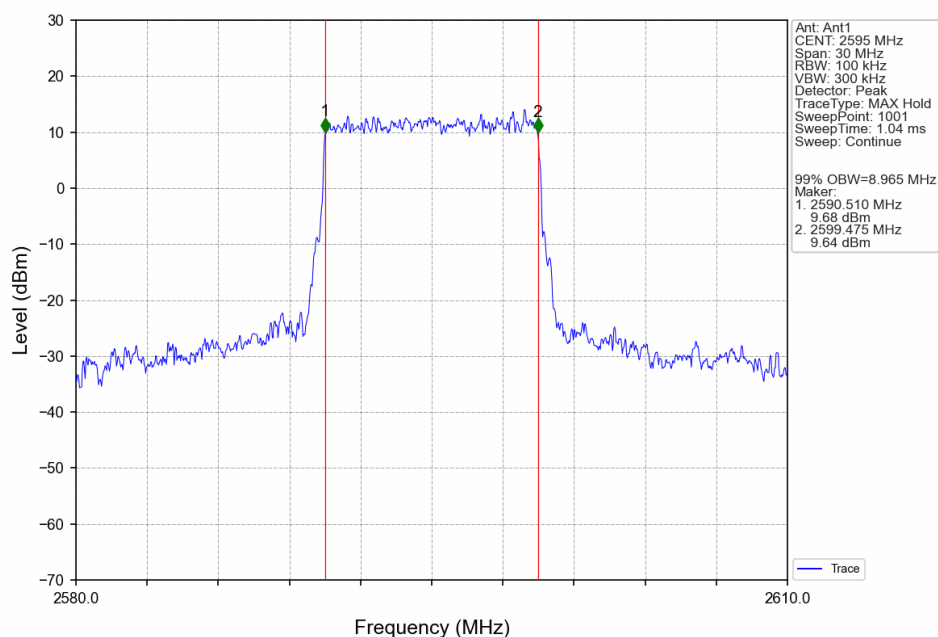
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



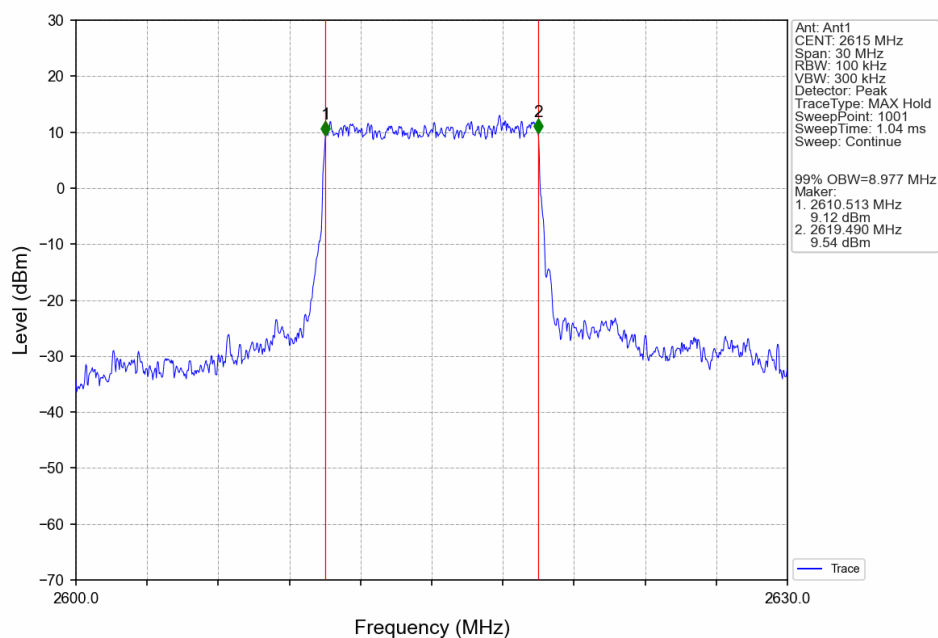


Test Report No.: RF260703B003

Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV

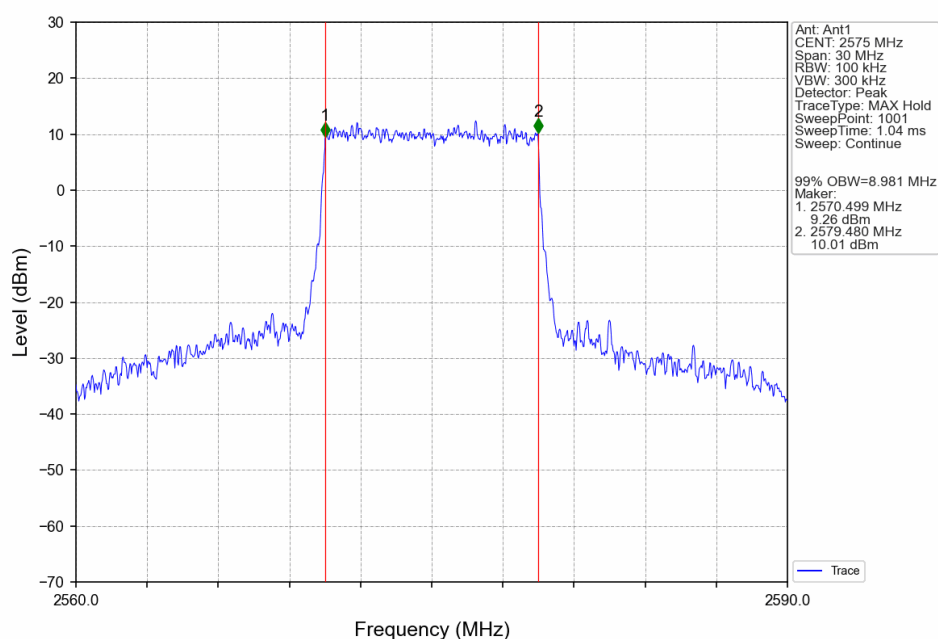


Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

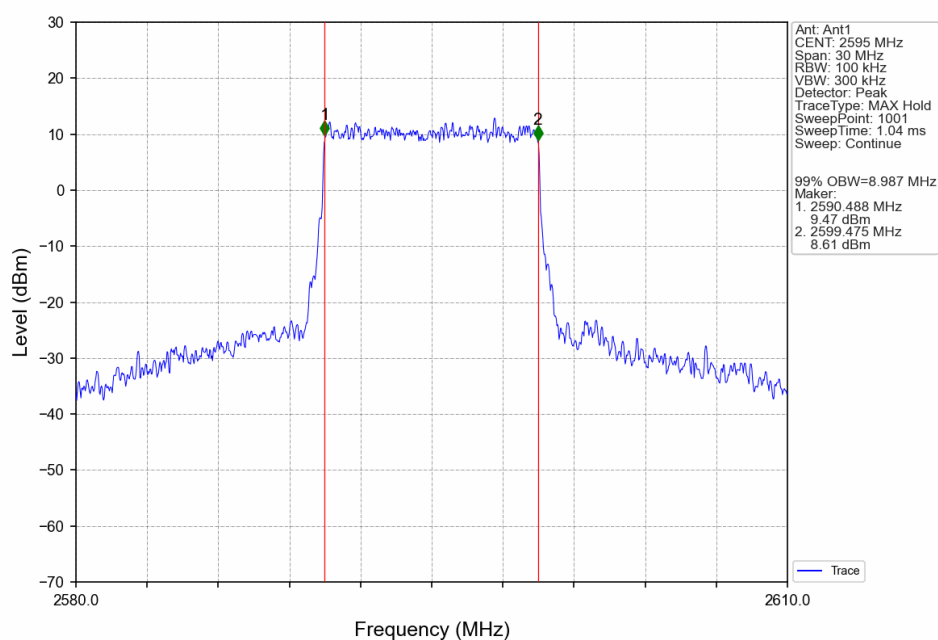


Test Report No.: RF260703B003

Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



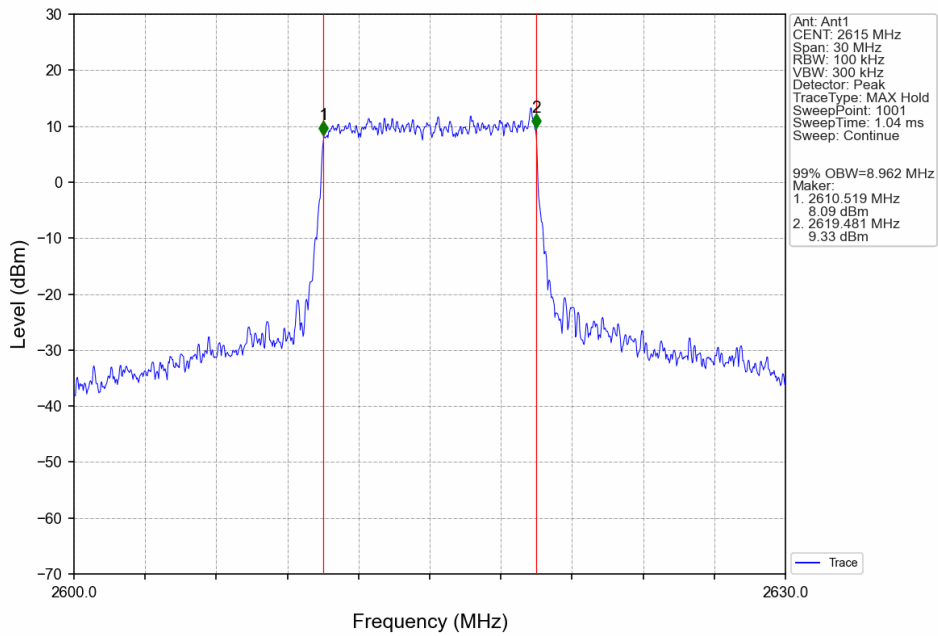
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



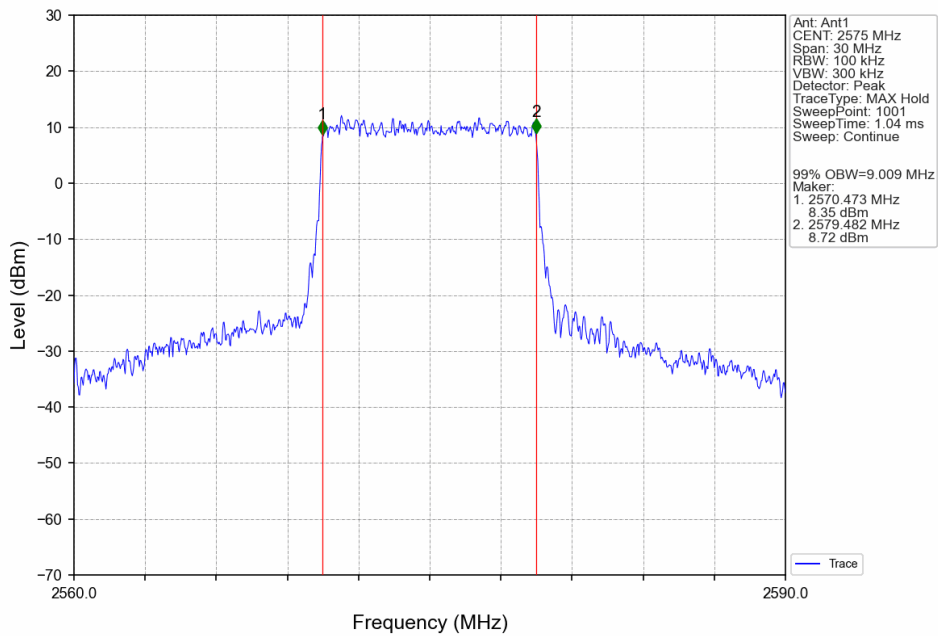


Test Report No.: RF260703B003

Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV

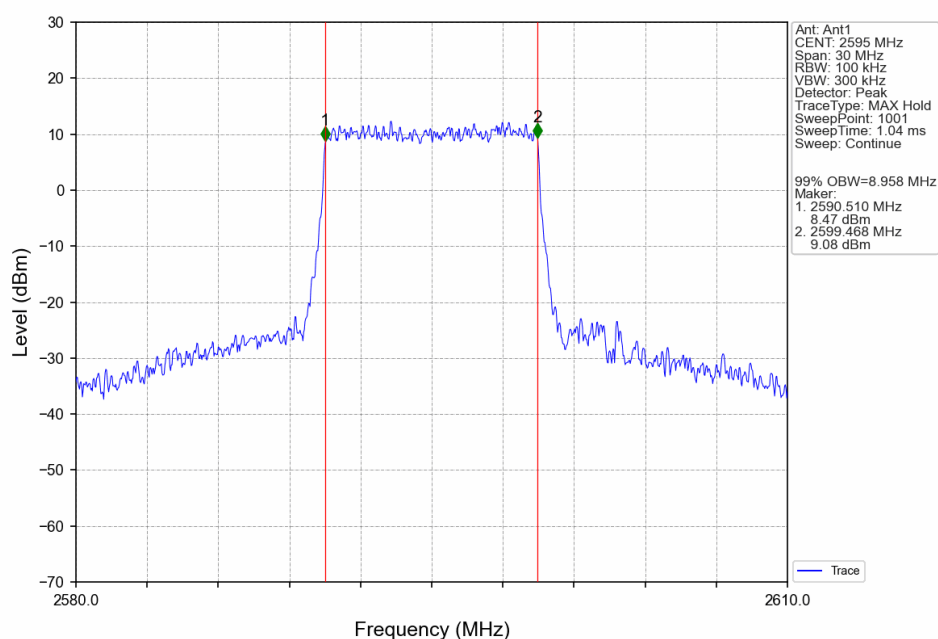


Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV

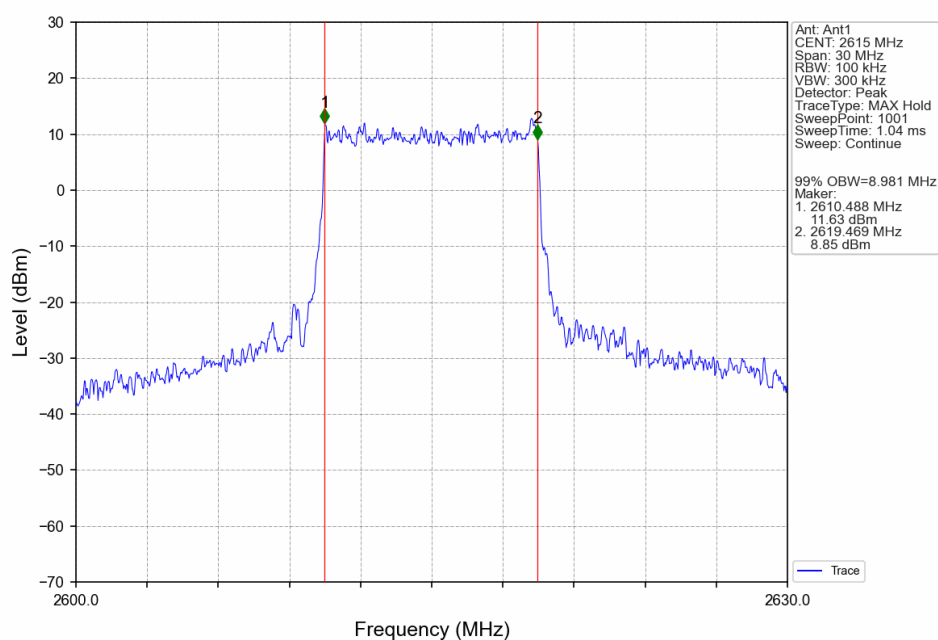


Test Report No.: RF260703B003

Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



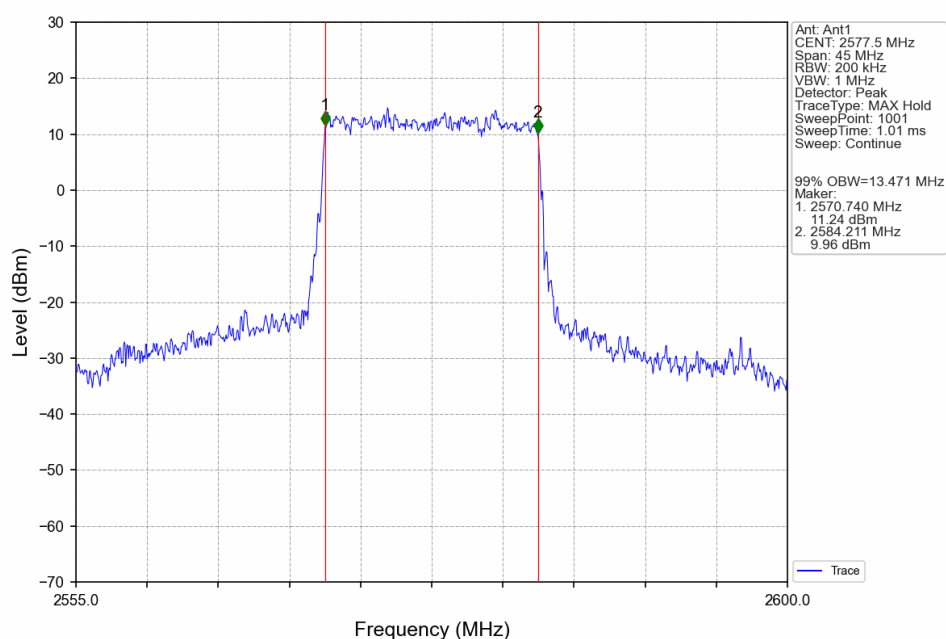
Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



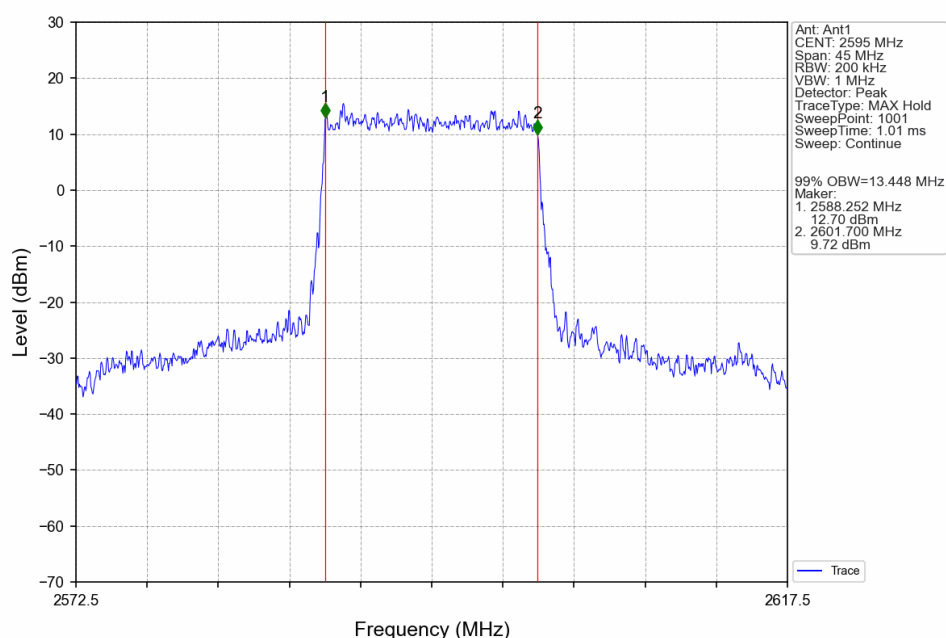


Test Report No.: RF260703B003

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

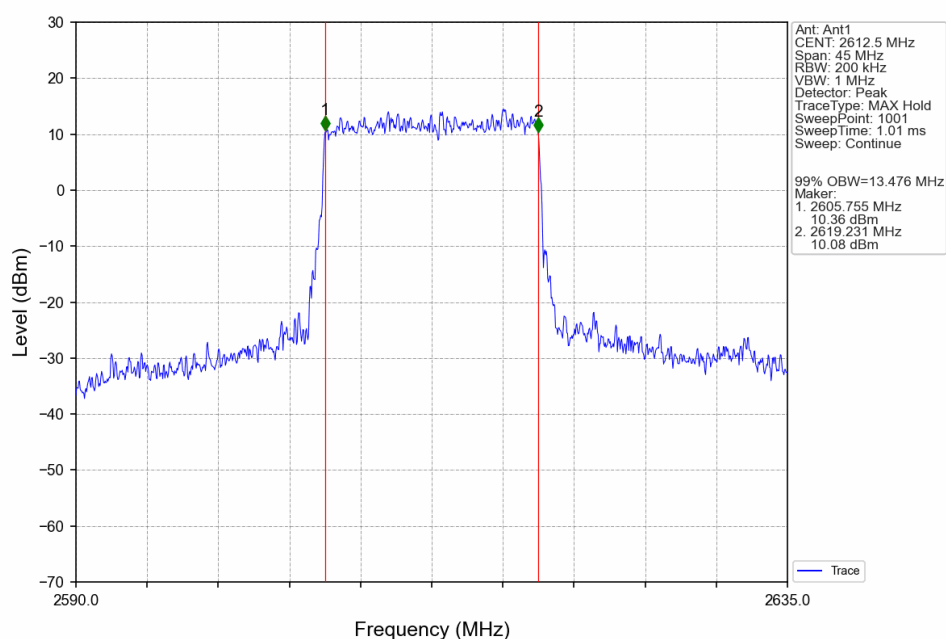


Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV

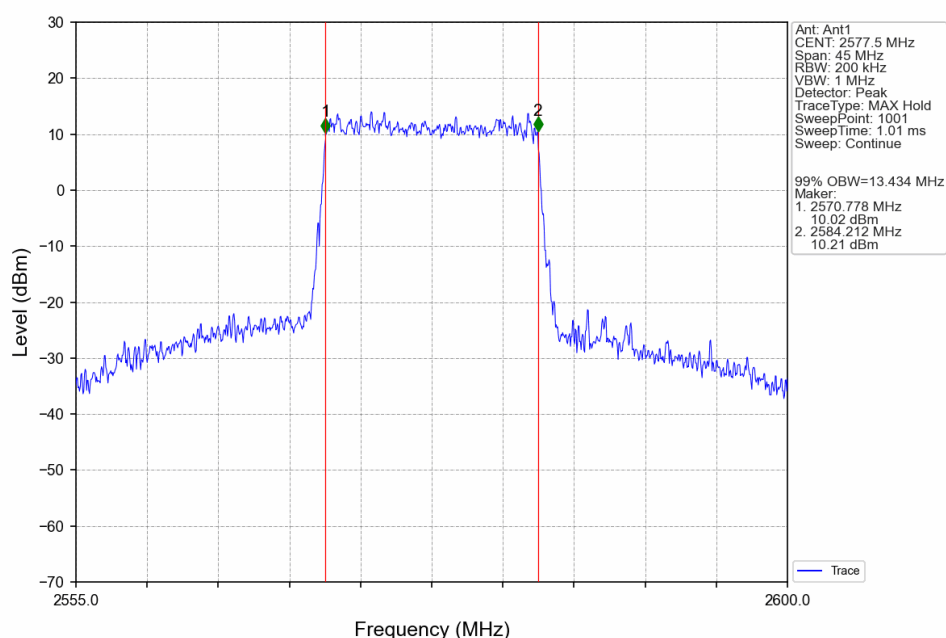


Test Report No.: RF260703B003

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



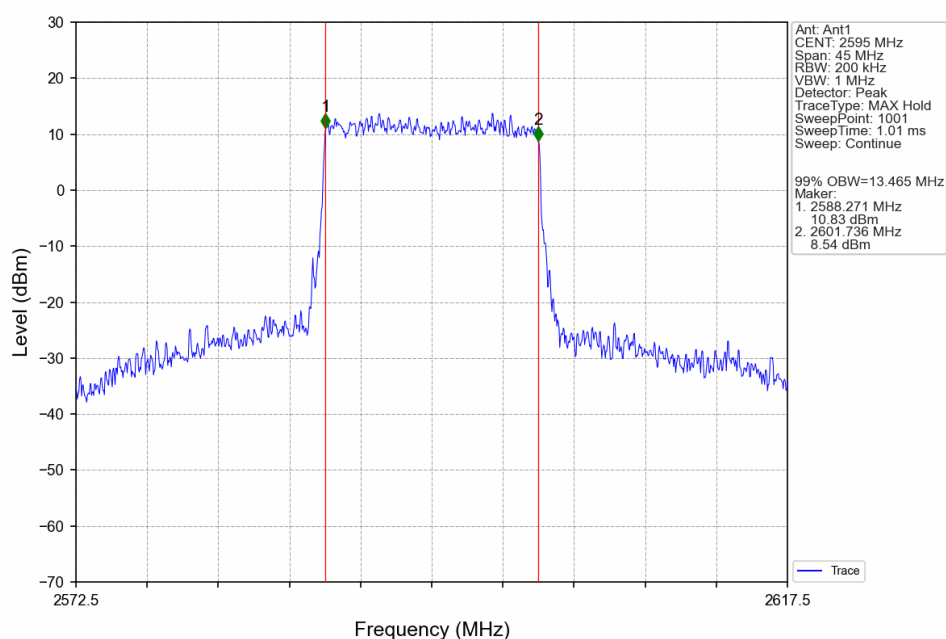
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



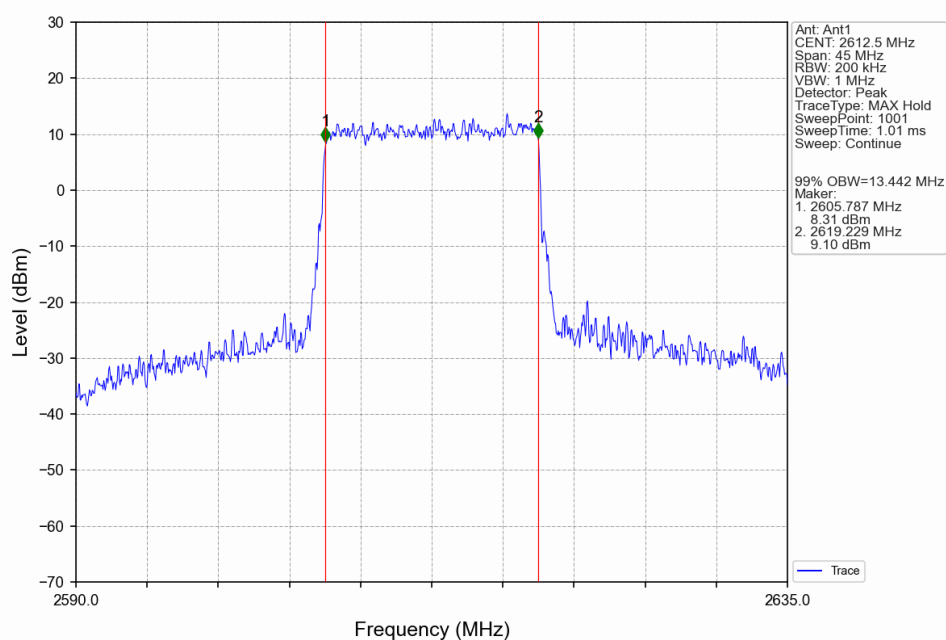


Test Report No.: RF260703B003

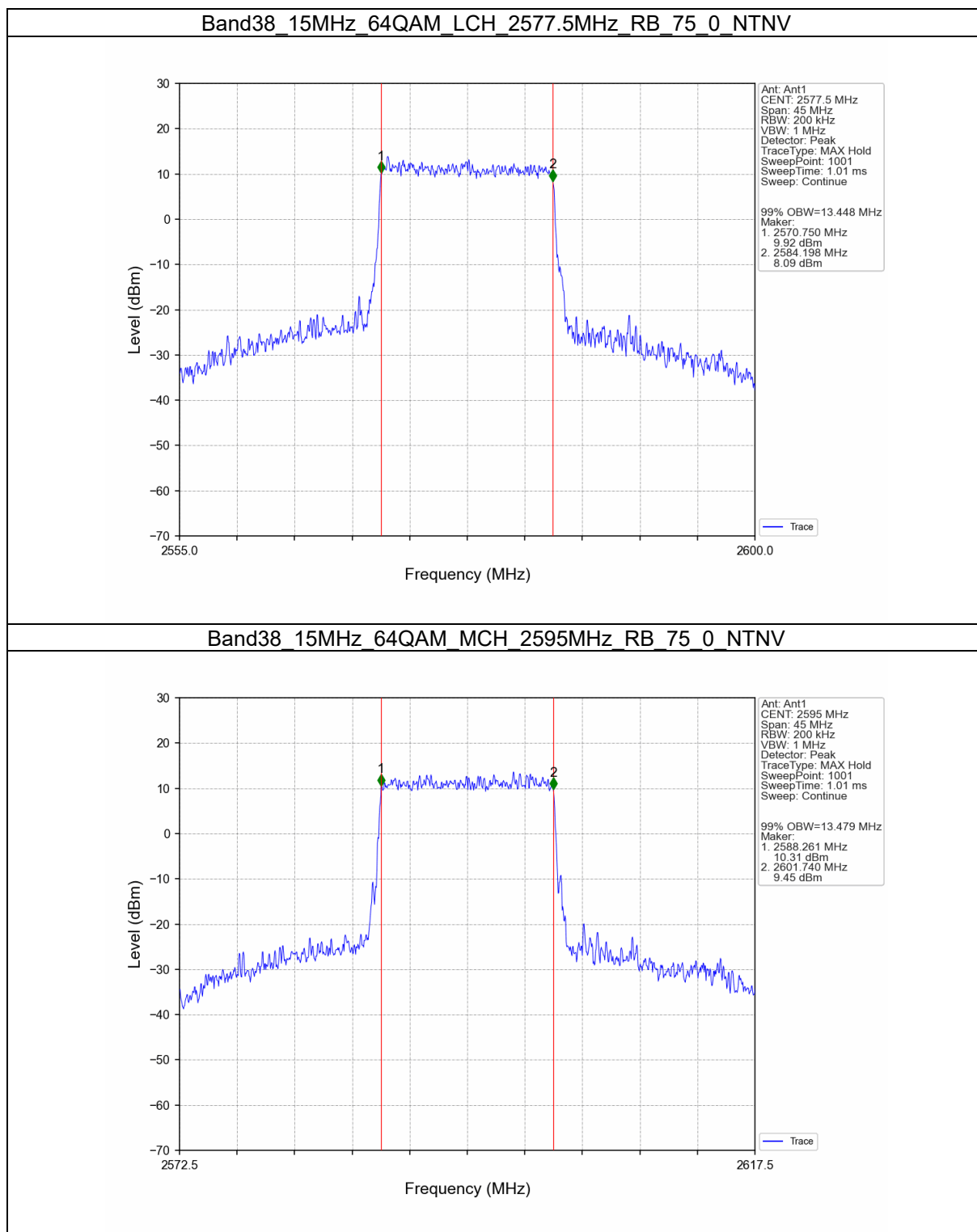
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV

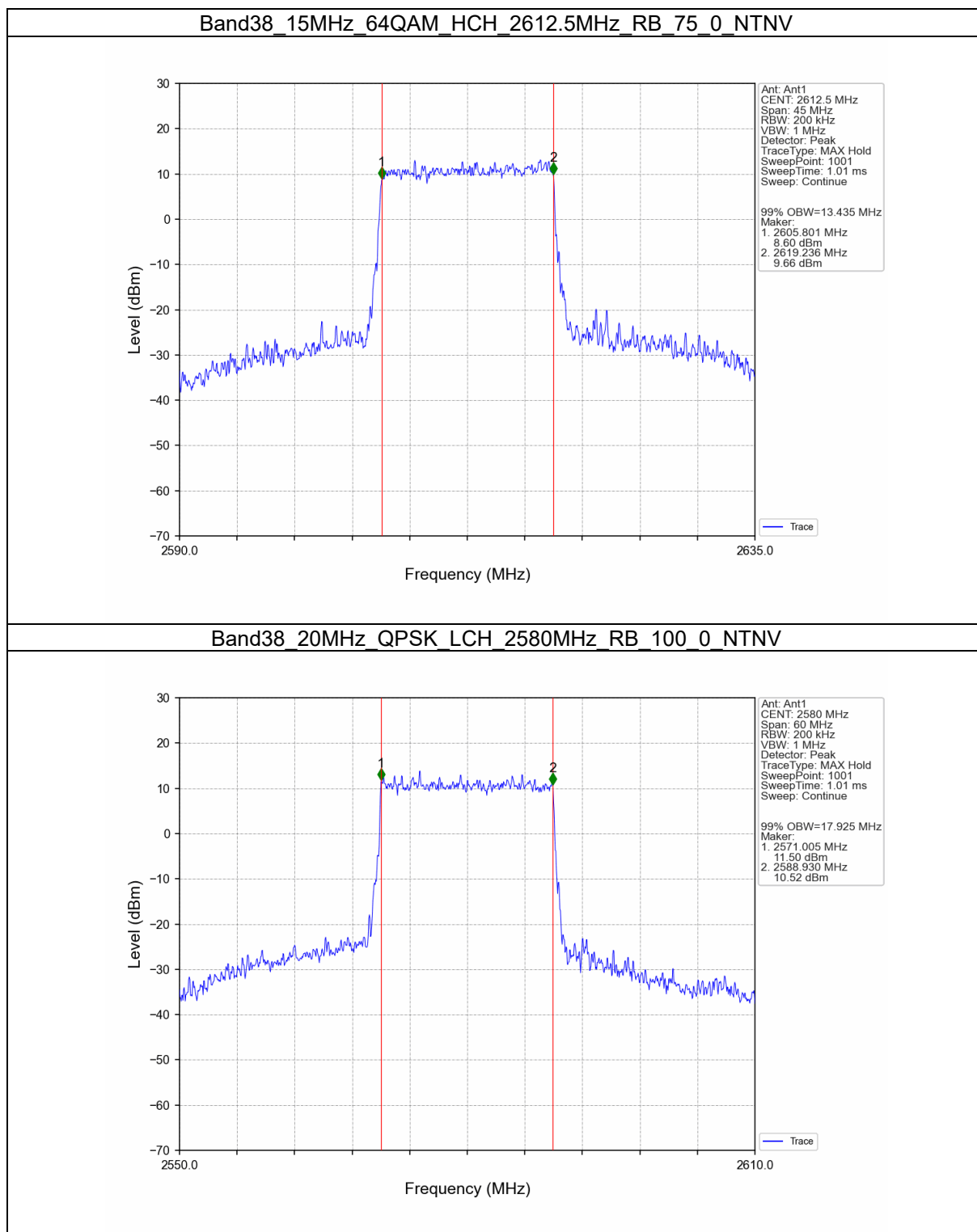


Test Report No.: RF260703B003



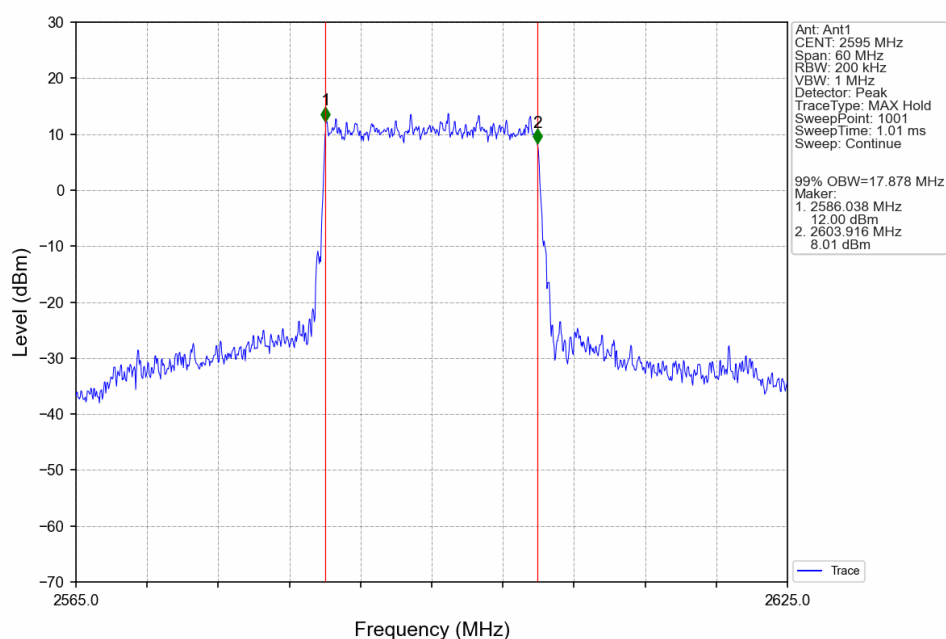


Test Report No.: RF260703B003

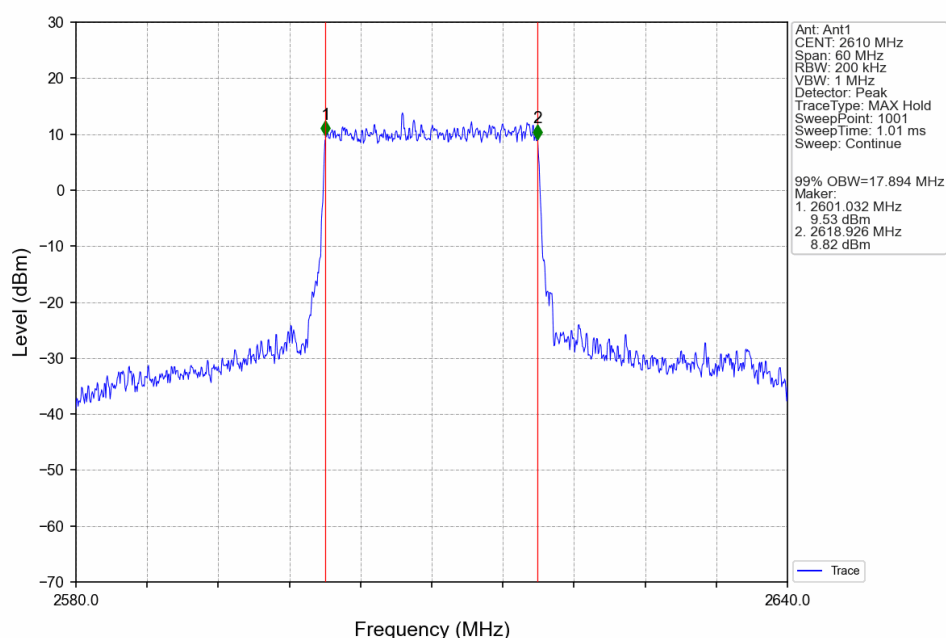


Test Report No.: RF260703B003

Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



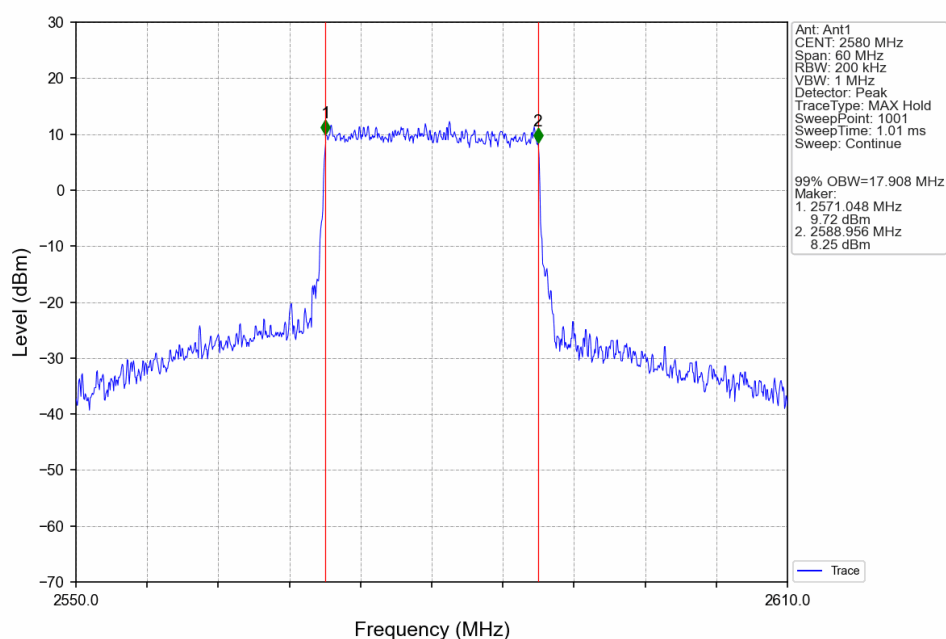
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



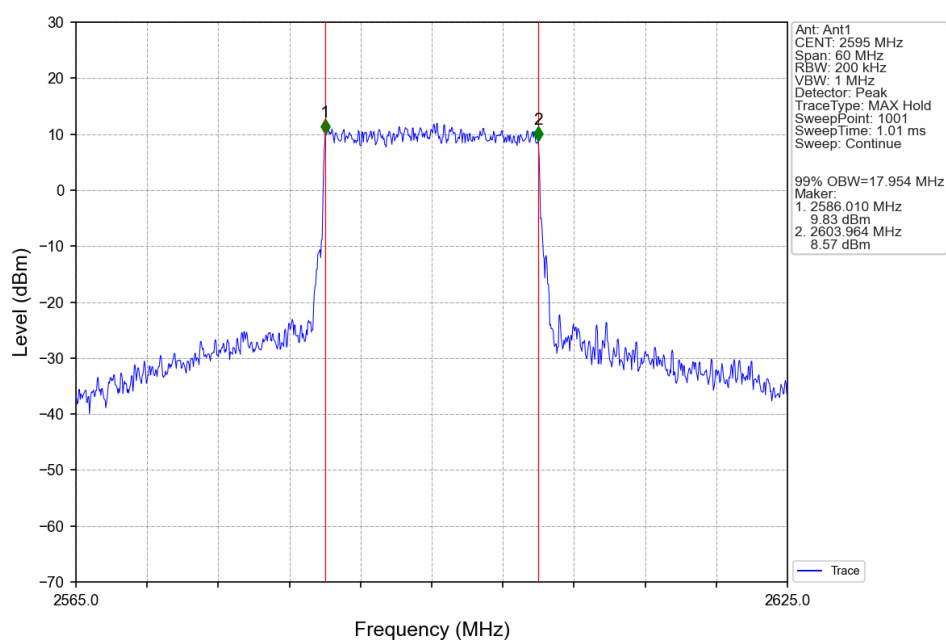


Test Report No.: RF260703B003

Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



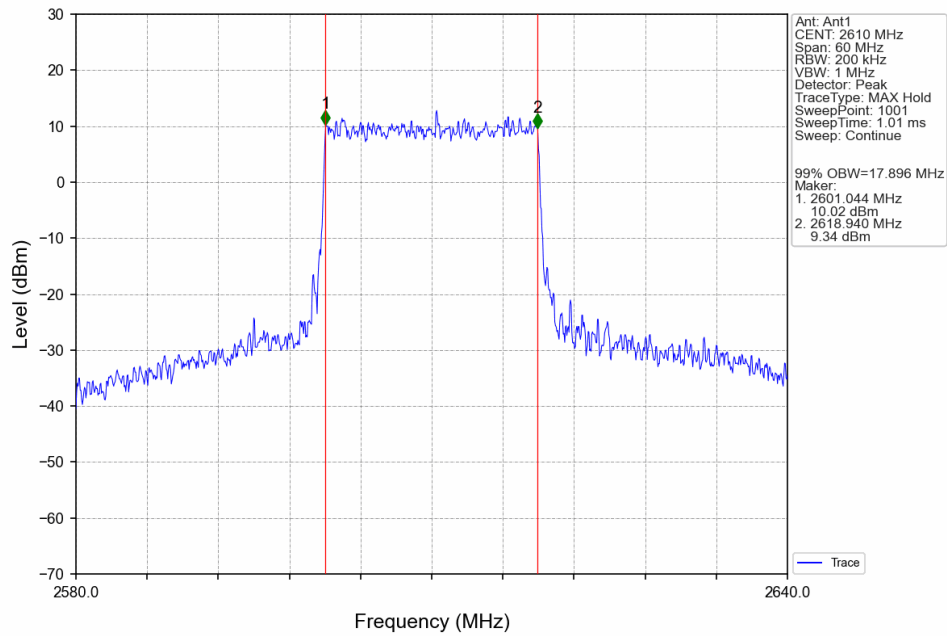
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



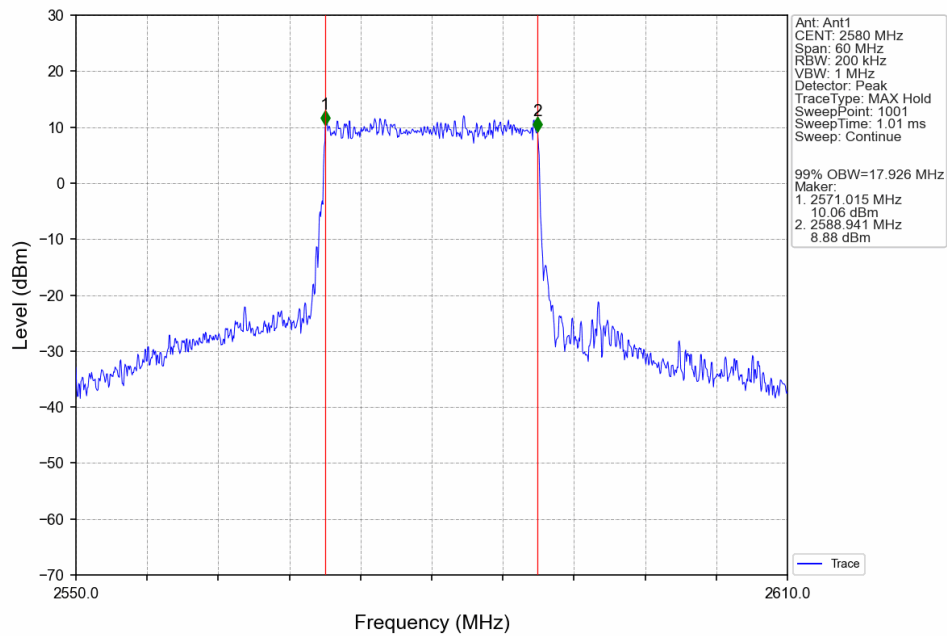


Test Report No.: RF260703B003

Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV

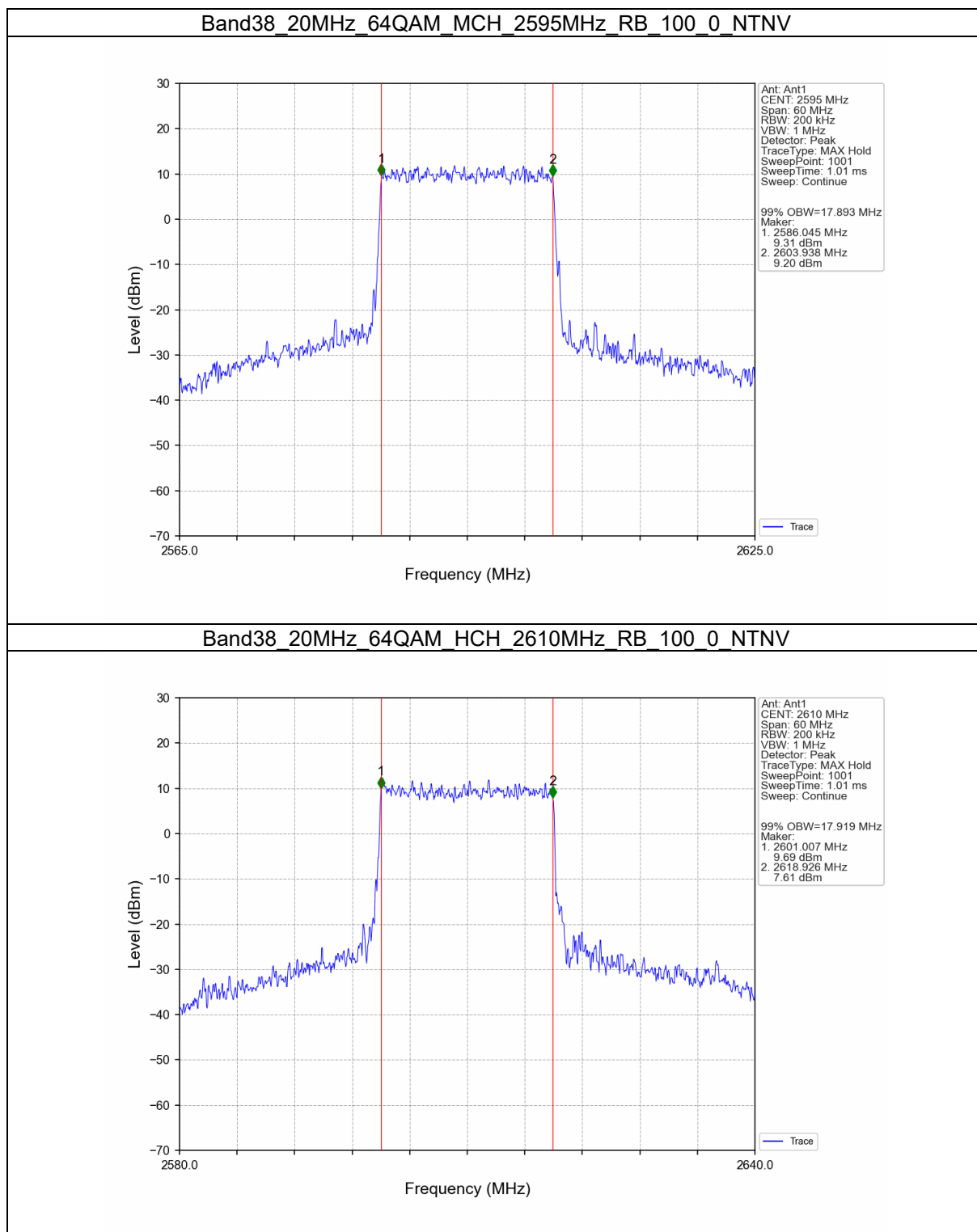


Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV





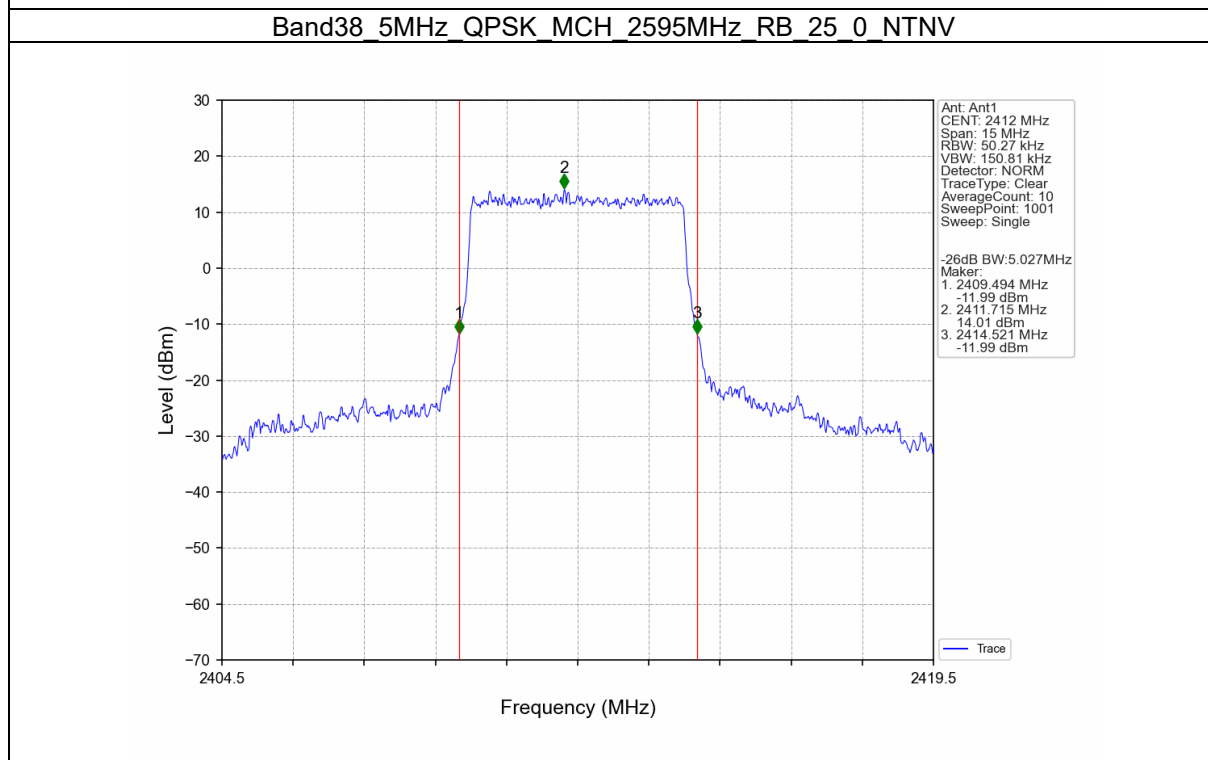
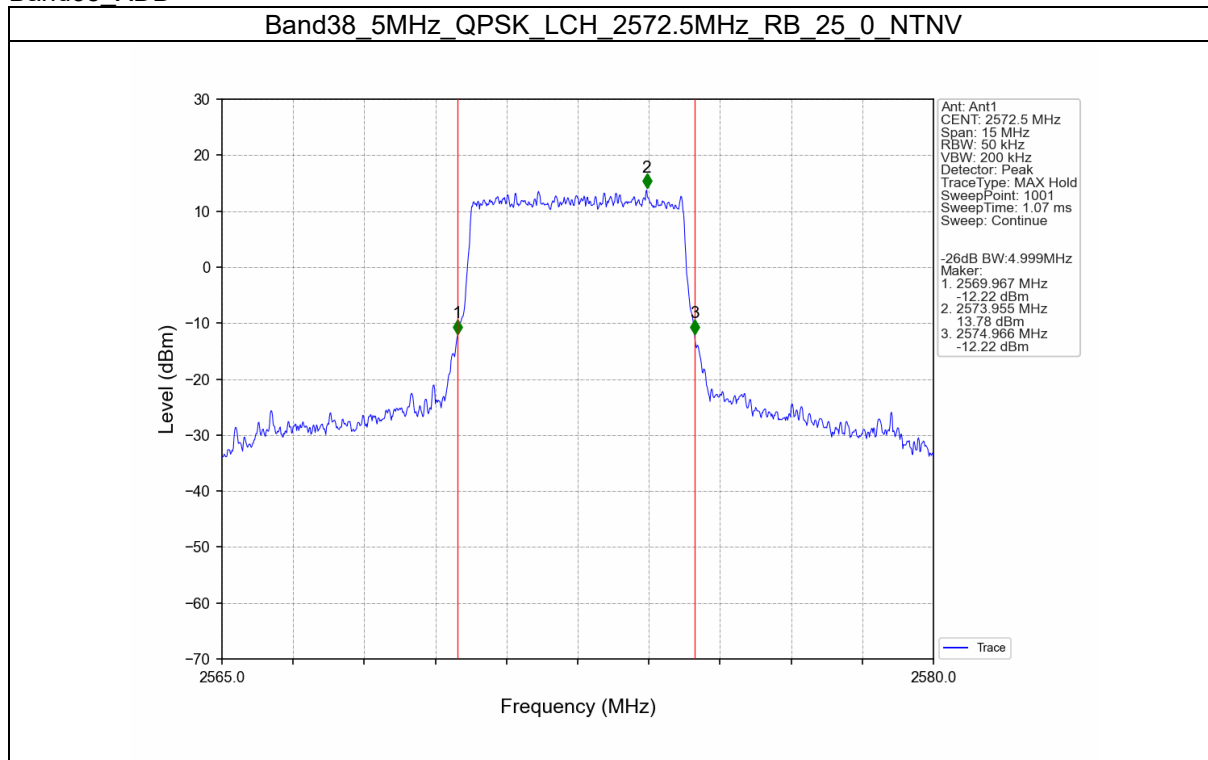
Test Report No.: RF260703B003





Test Report No.: RF260703B003

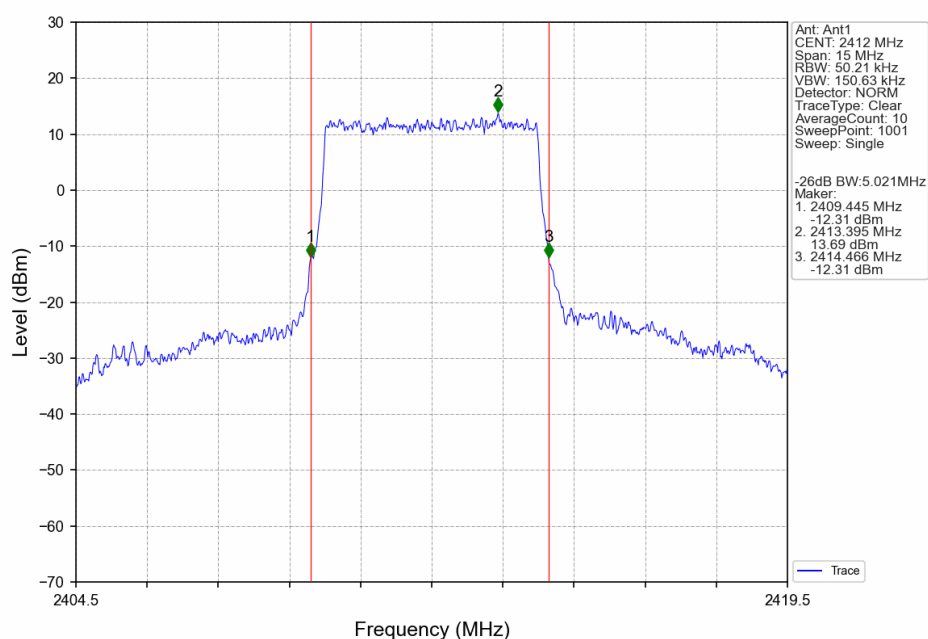
Band38_XDB



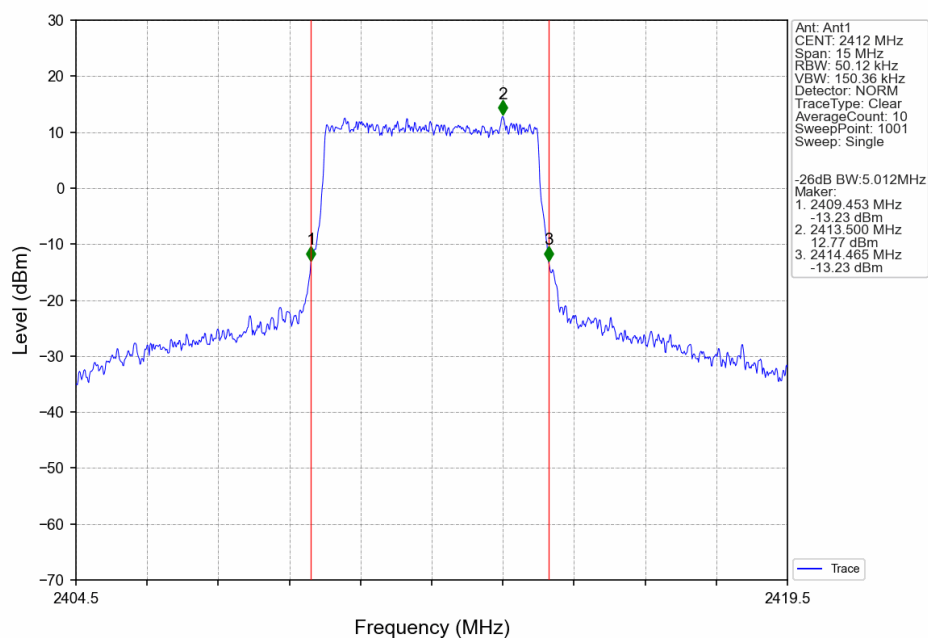


Test Report No.: RF260703B003

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



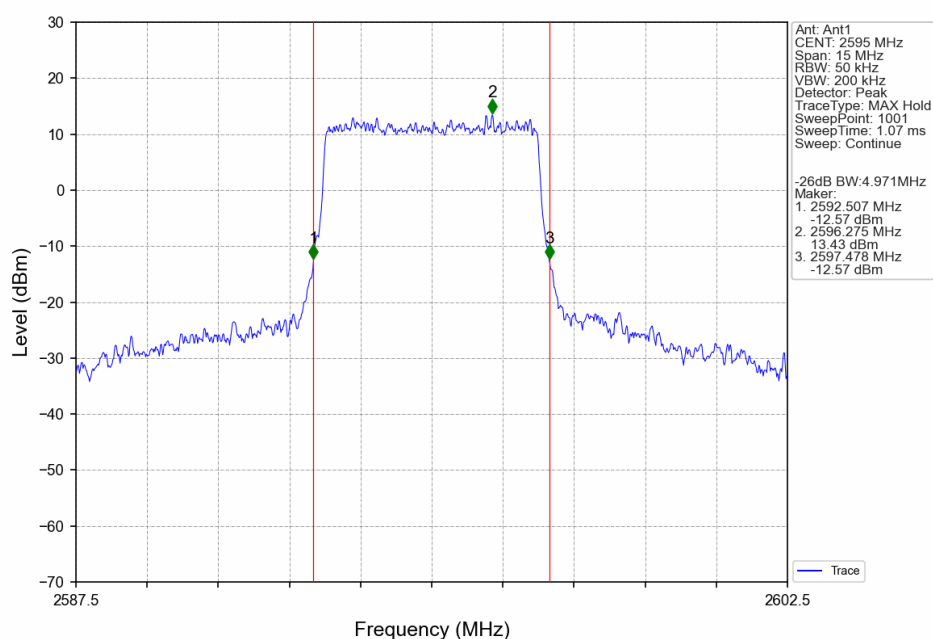
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



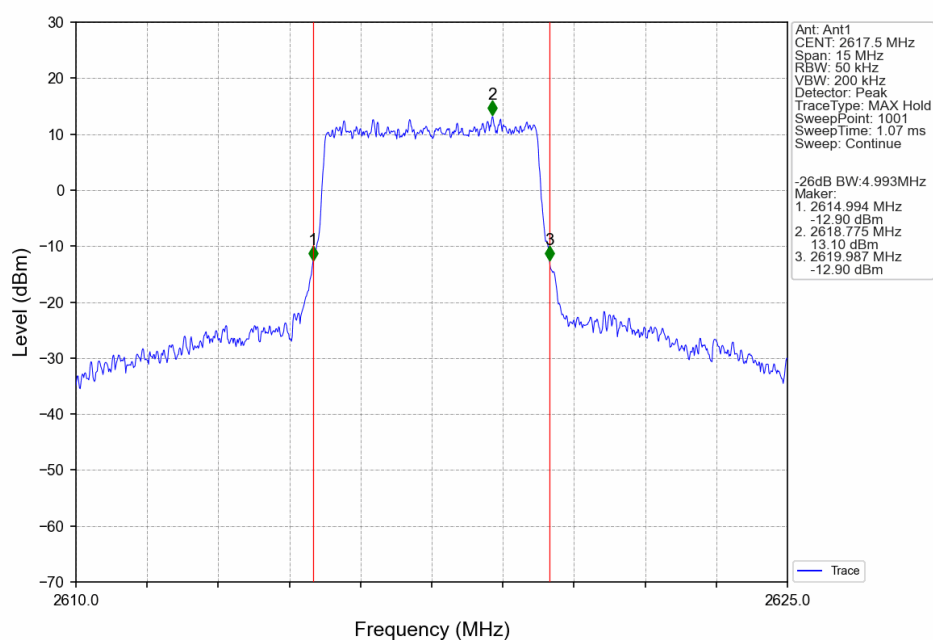


Test Report No.: RF260703B003

Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



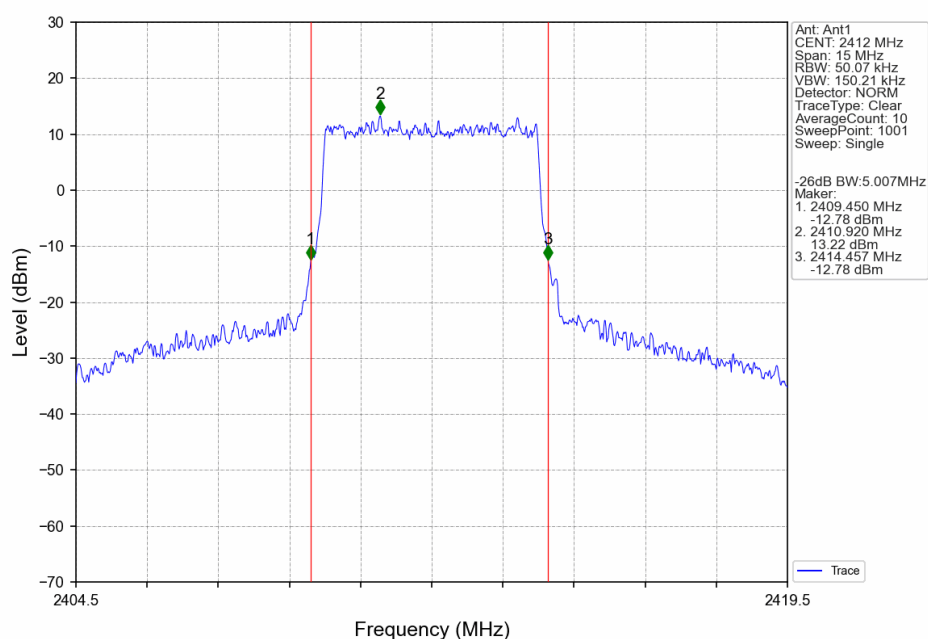
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



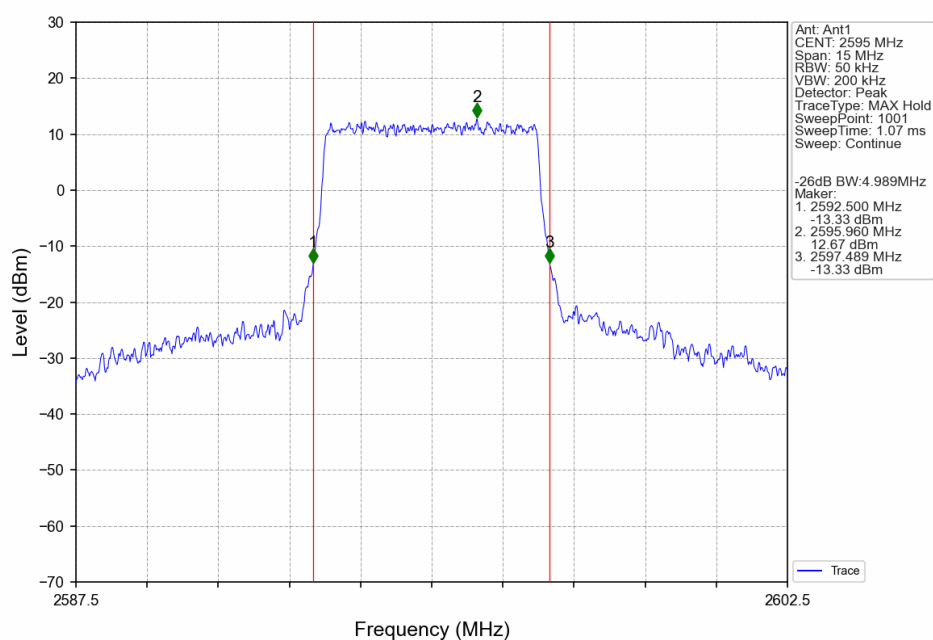


Test Report No.: RF260703B003

Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV

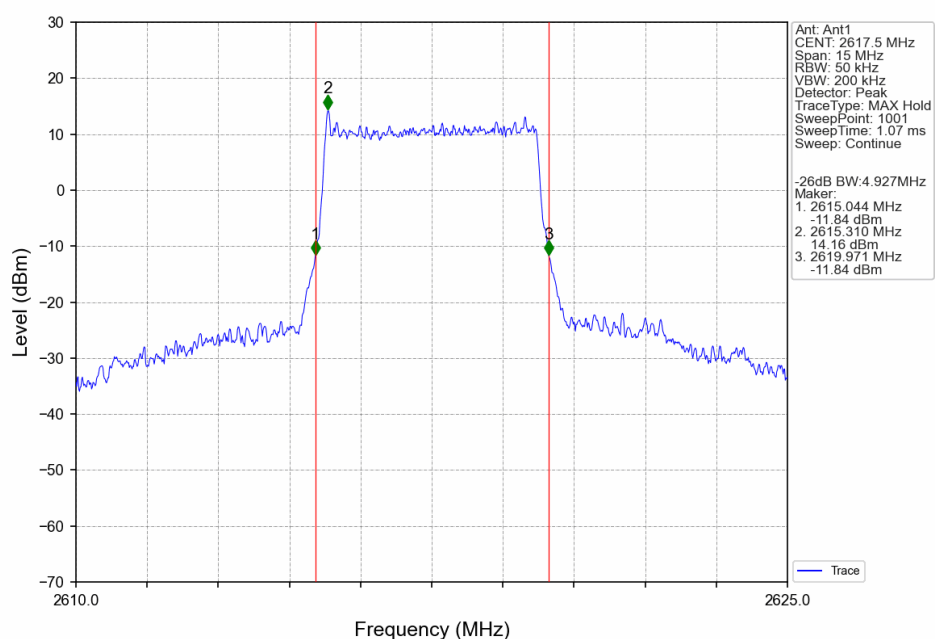


Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV

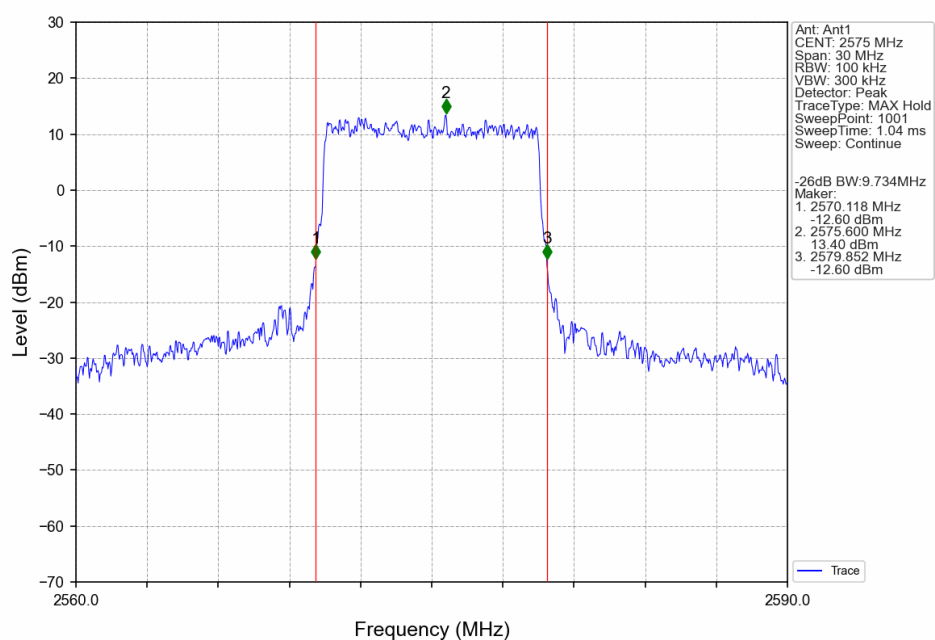


Test Report No.: RF260703B003

Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV

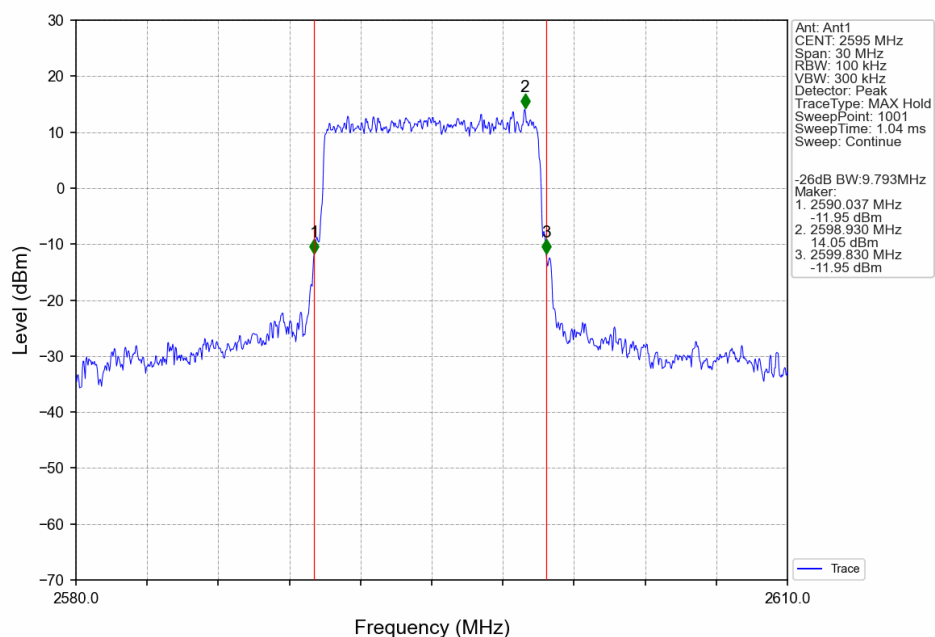


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

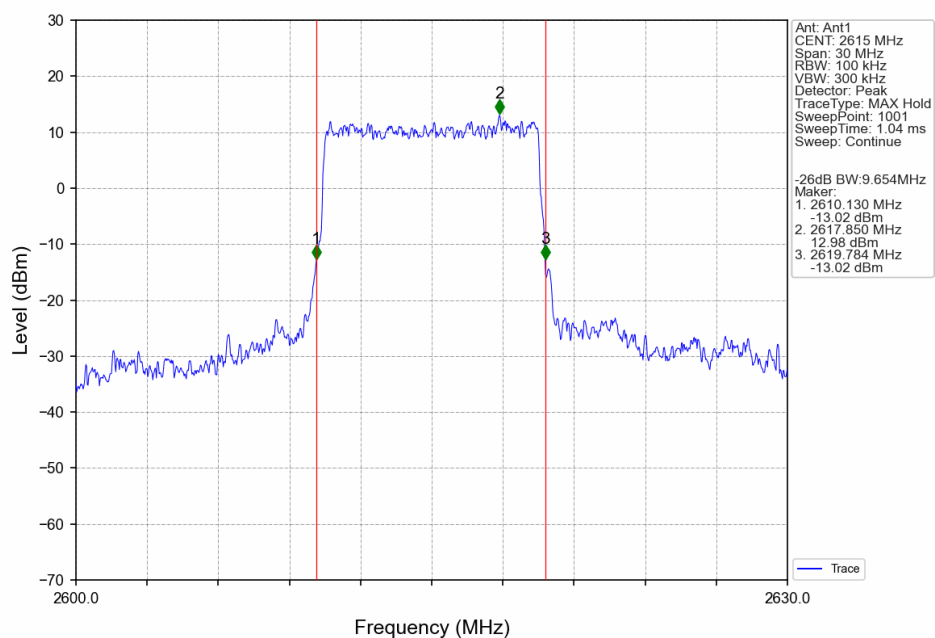


Test Report No.: RF260703B003

Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



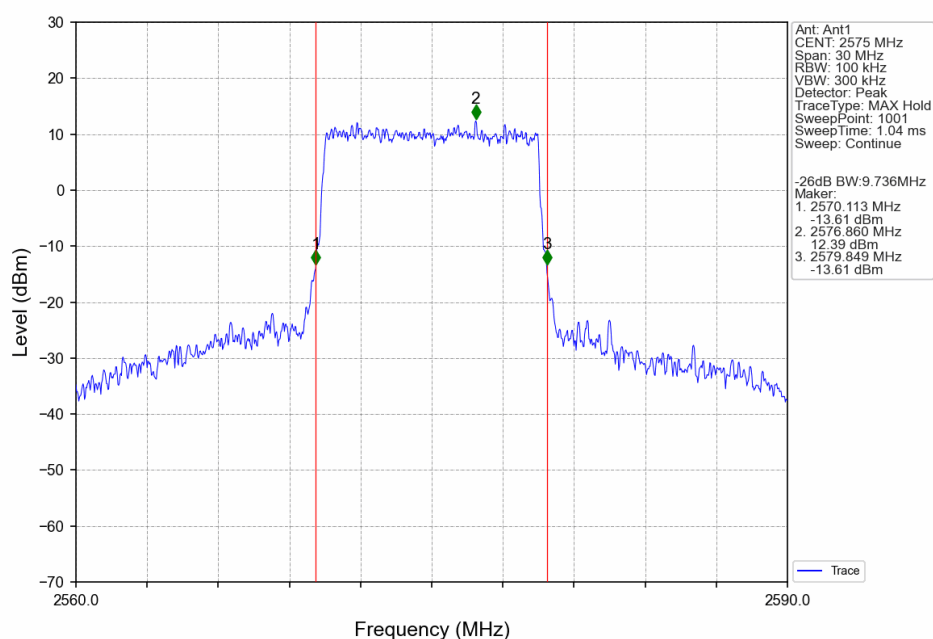
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



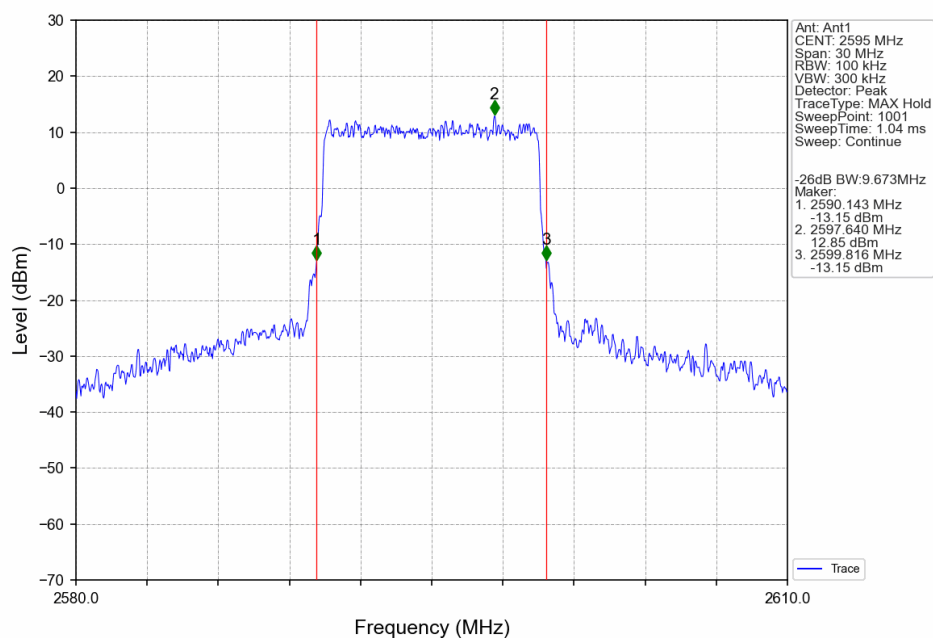


Test Report No.: RF260703B003

Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV

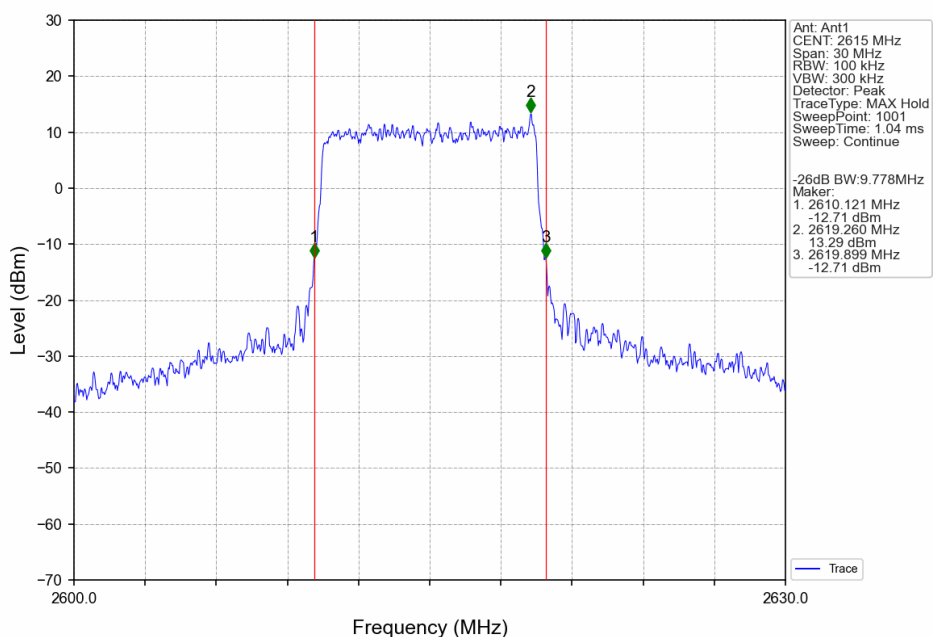


Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV

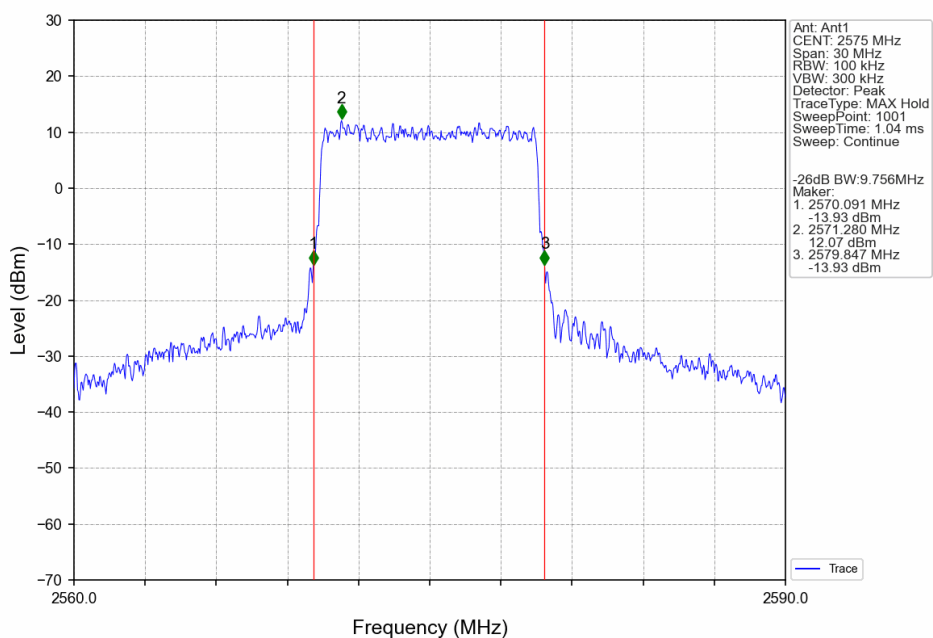


Test Report No.: RF260703B003

Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV

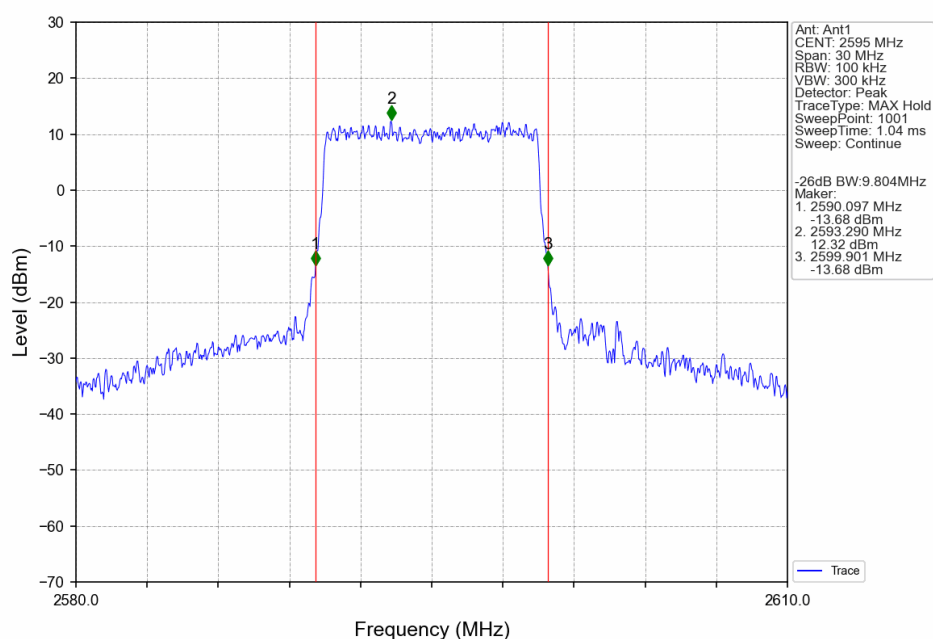


Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV

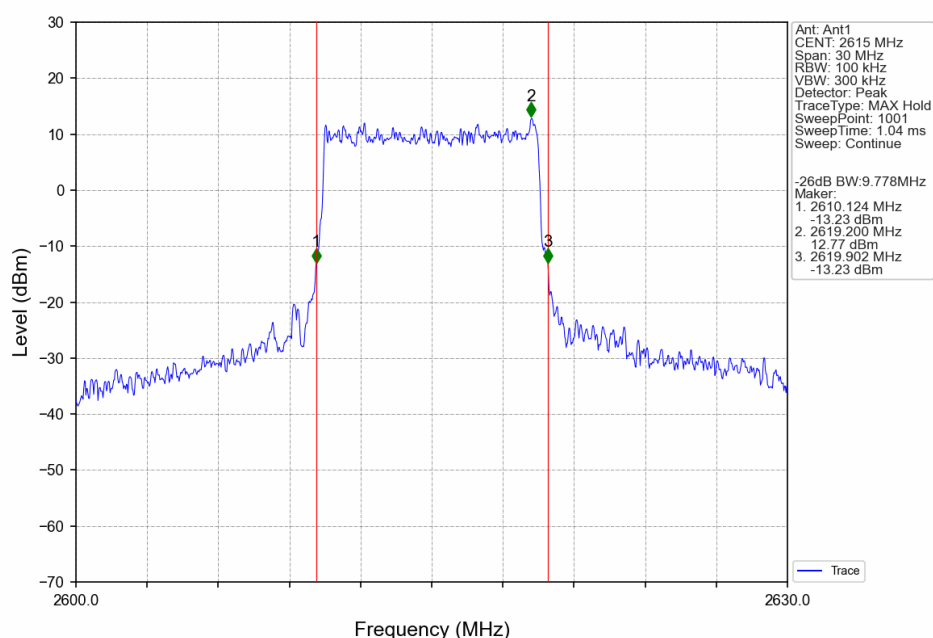


Test Report No.: RF260703B003

Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



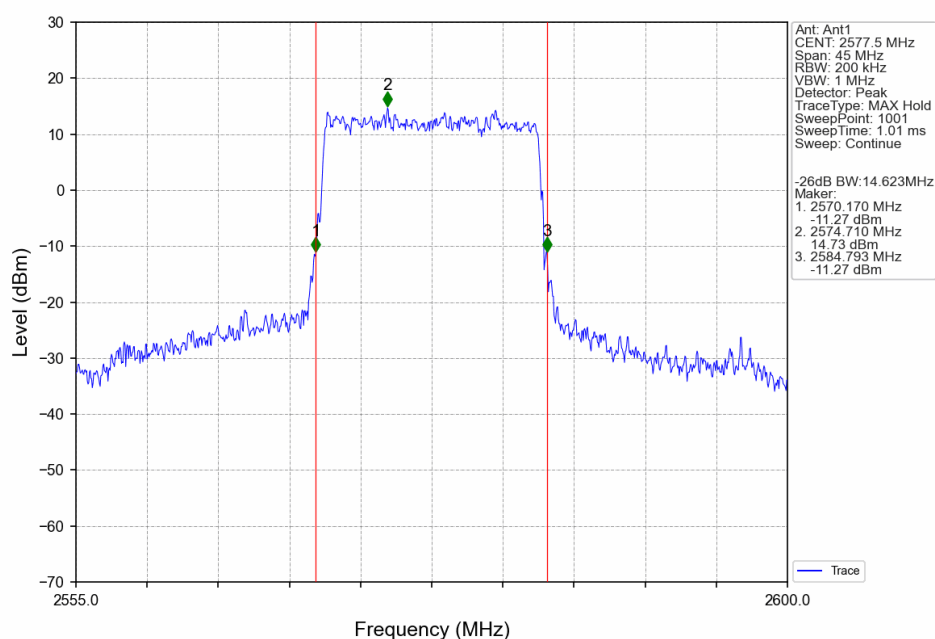
Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



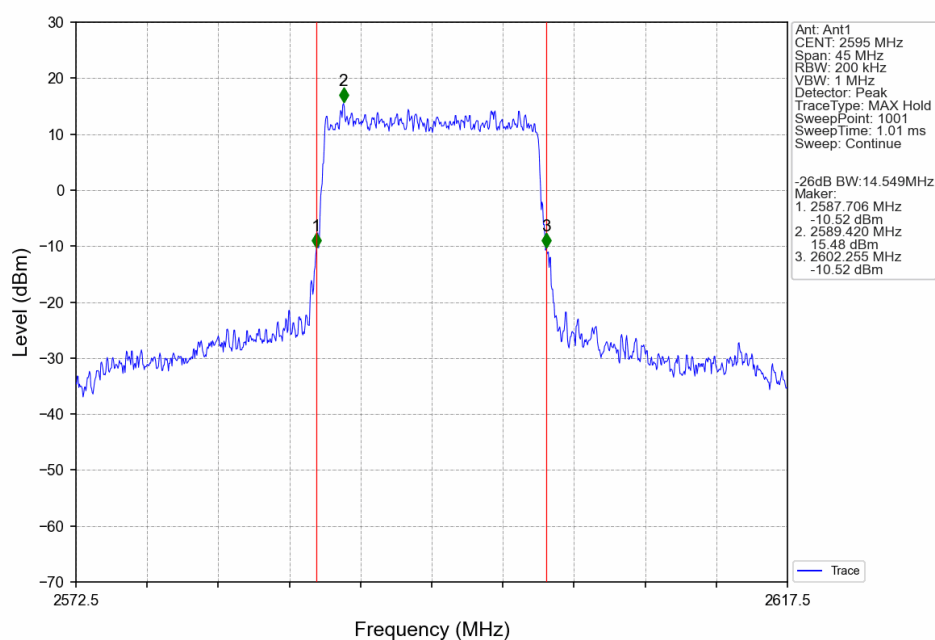


Test Report No.: RF260703B003

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

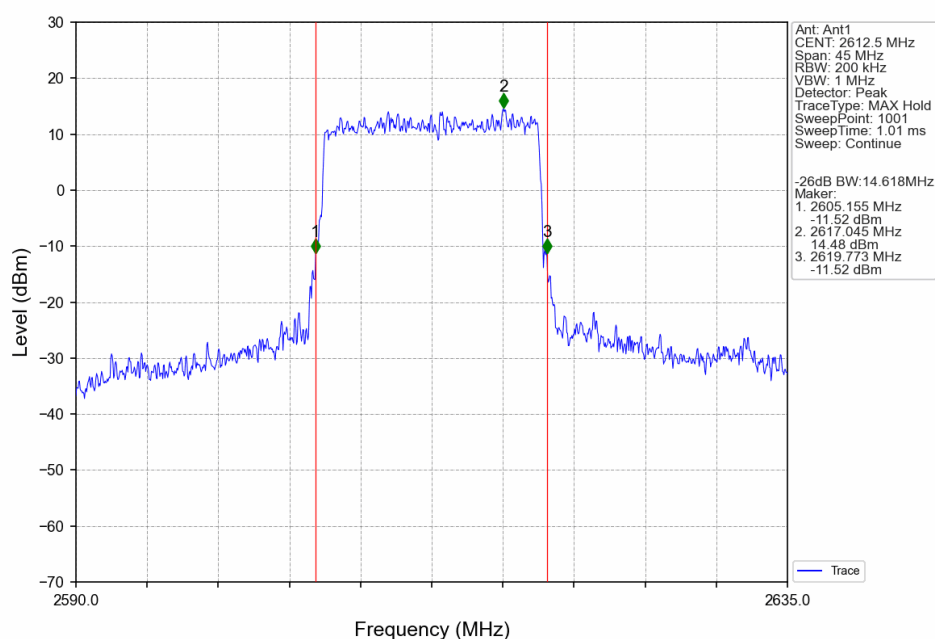


Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV

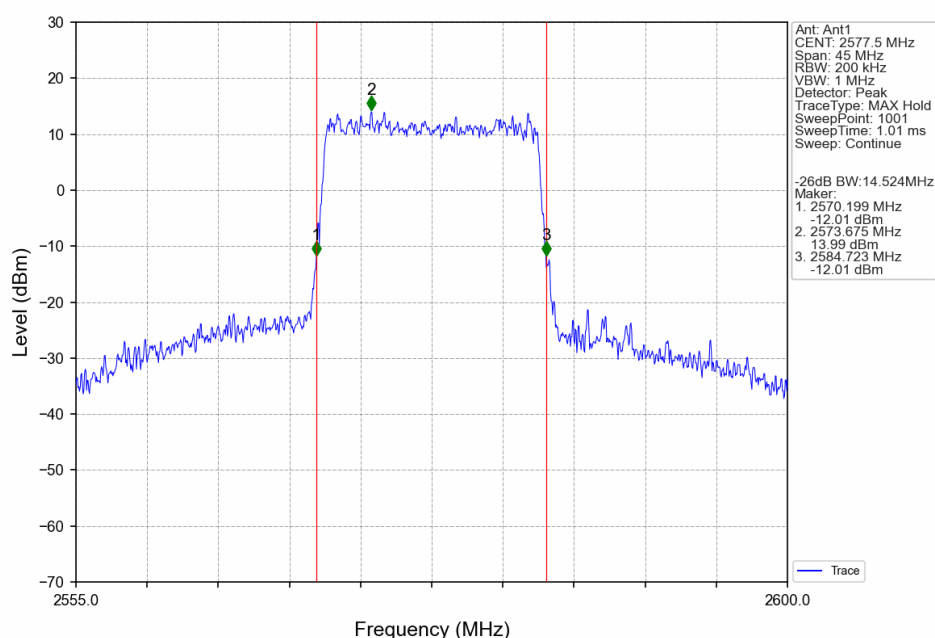


Test Report No.: RF260703B003

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



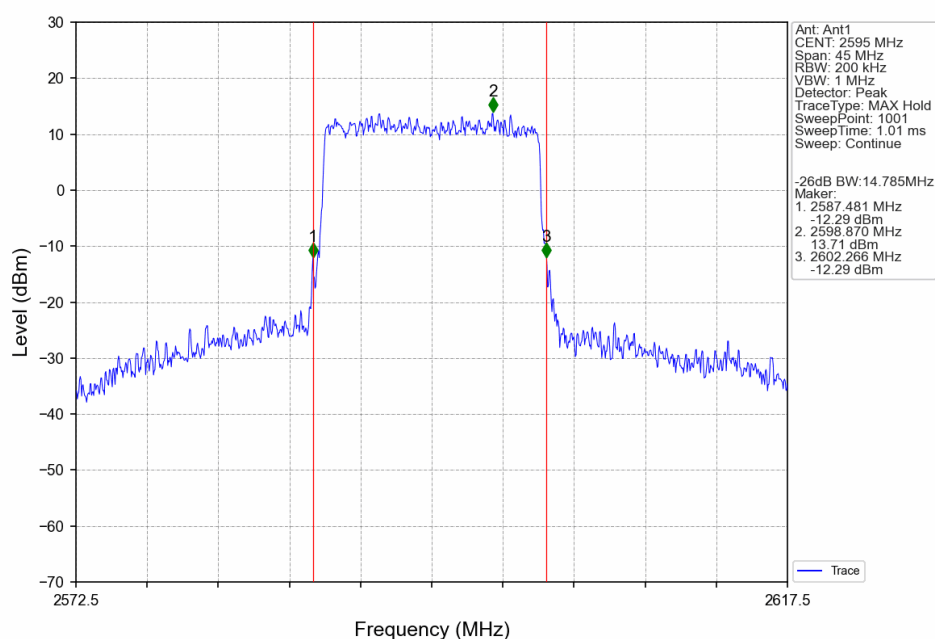
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



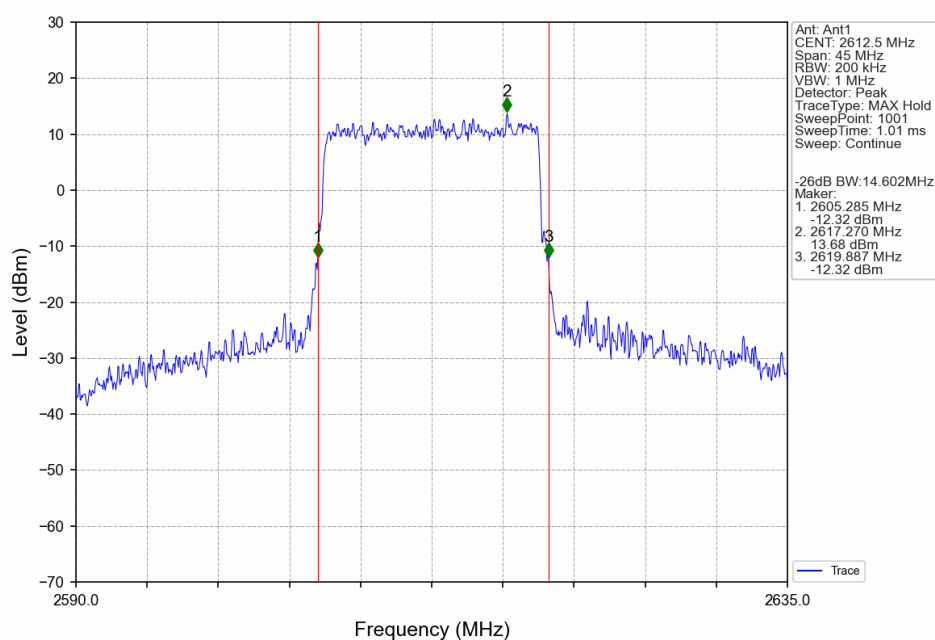


Test Report No.: RF260703B003

Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV

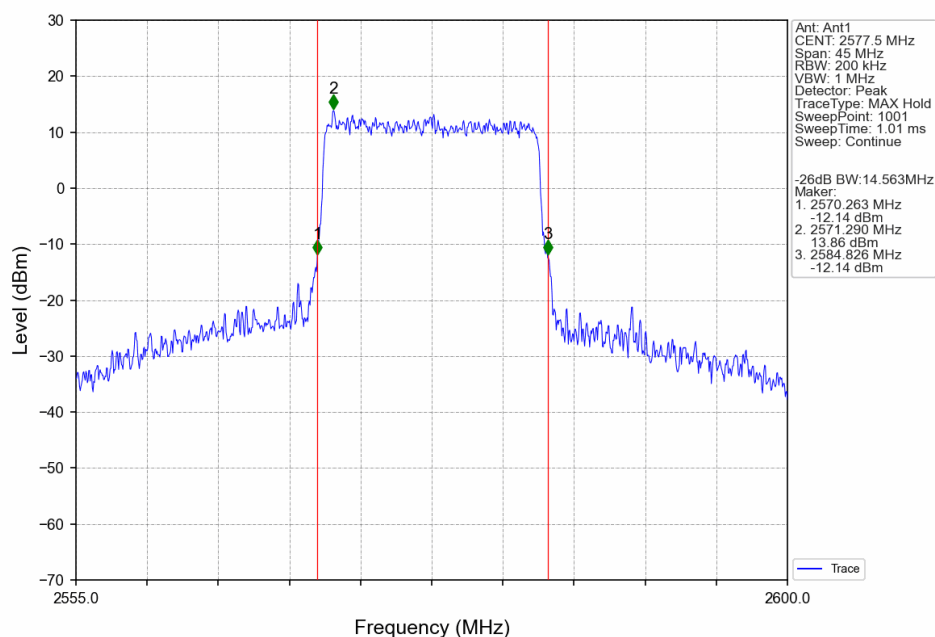


Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV

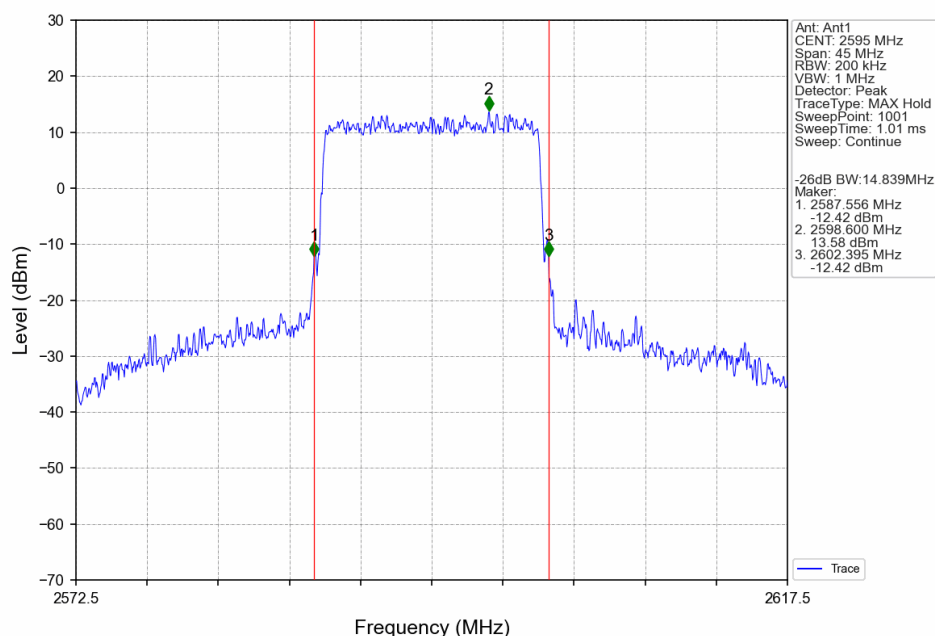


Test Report No.: RF260703B003

Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV

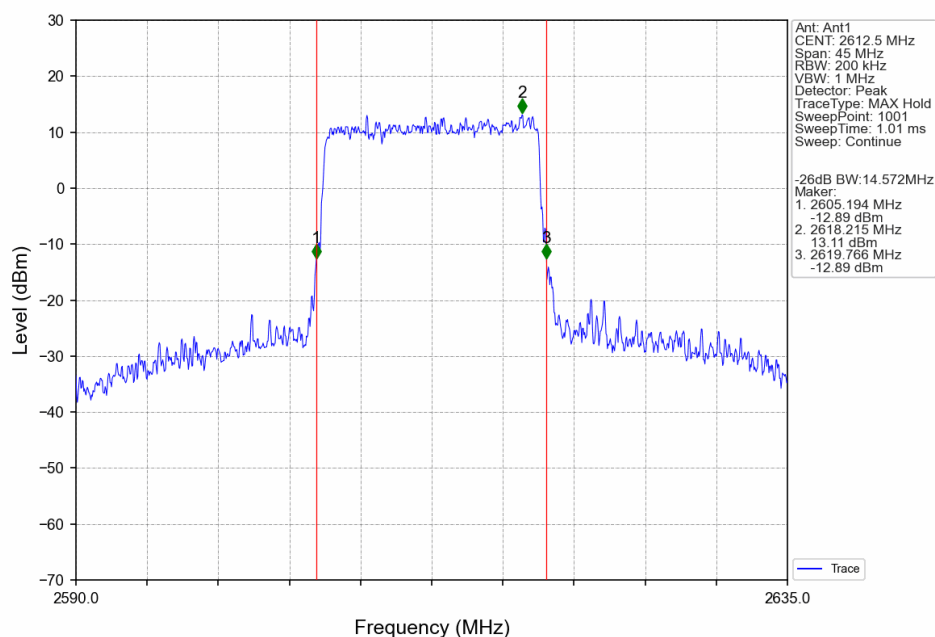


Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV

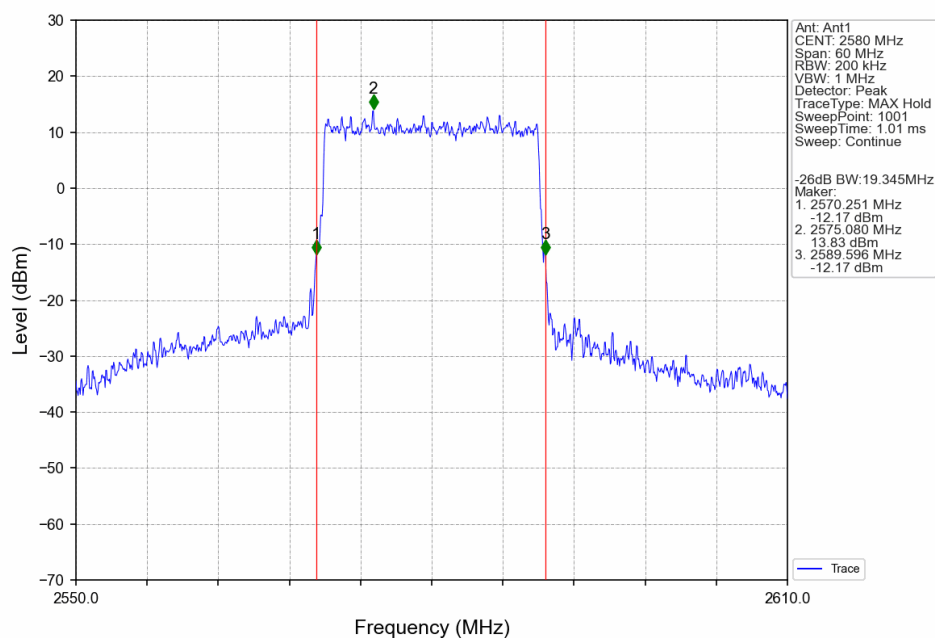


Test Report No.: RF260703B003

Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



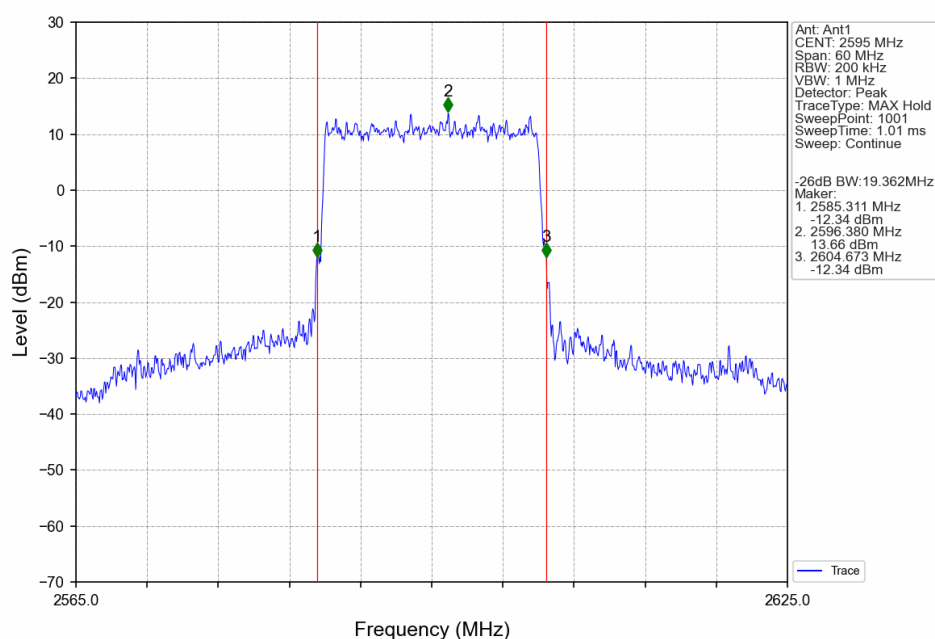
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



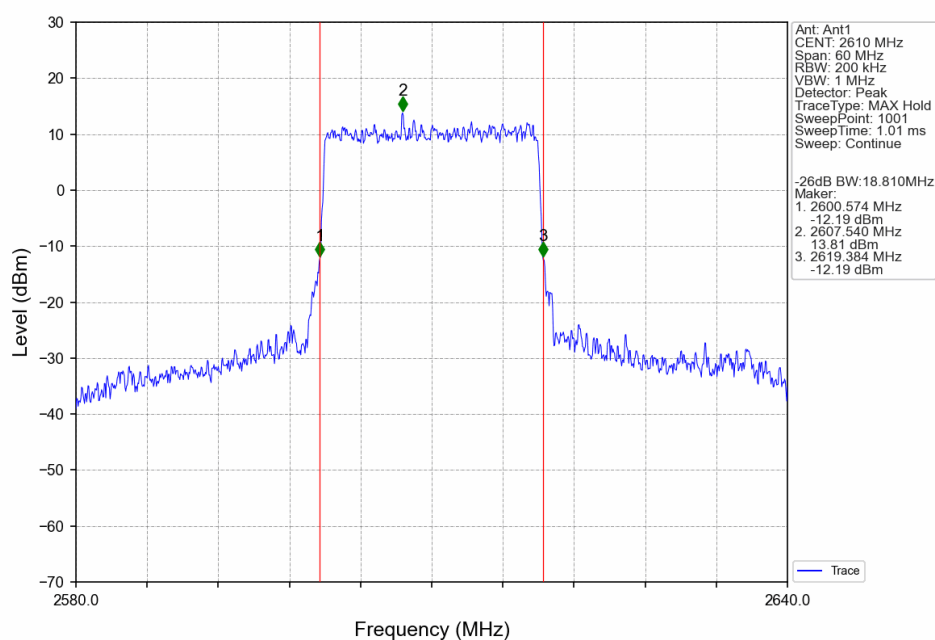


Test Report No.: RF260703B003

Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



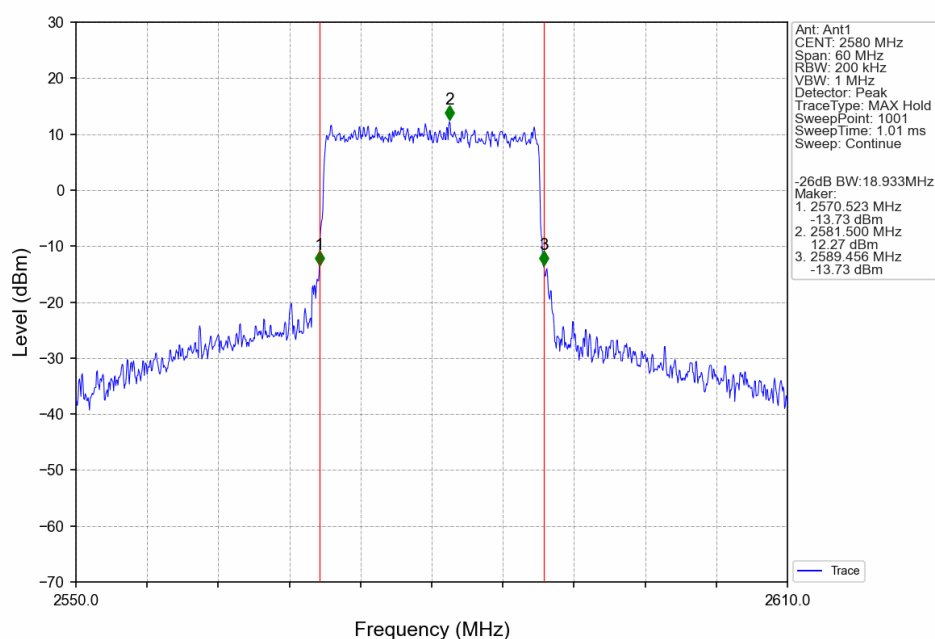
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



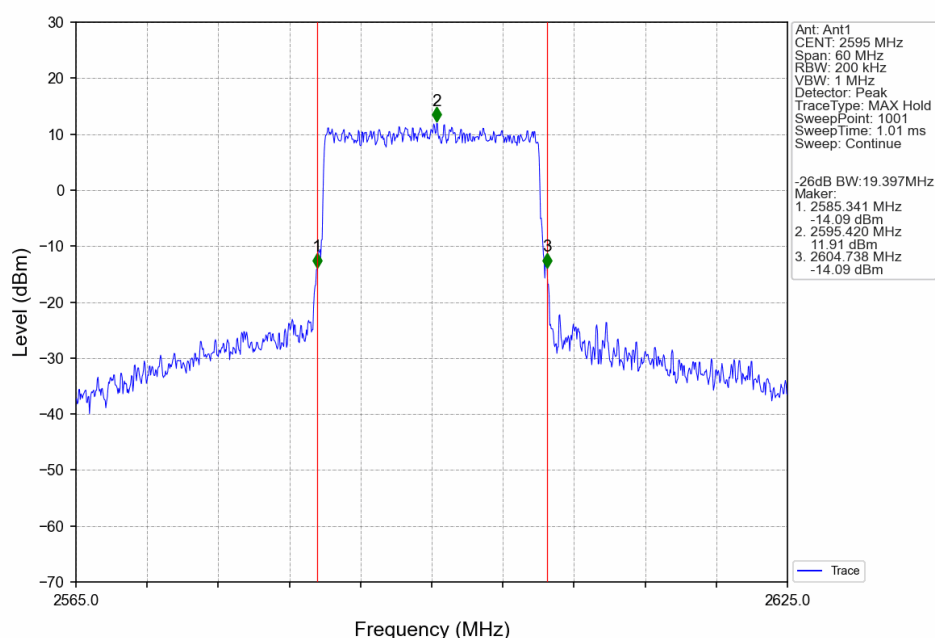


Test Report No.: RF260703B003

Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



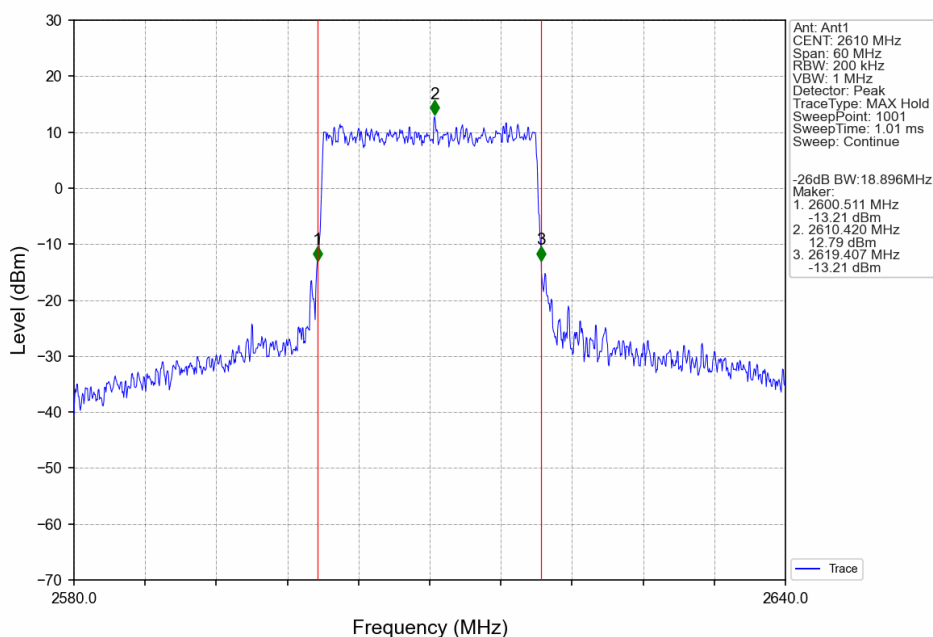
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



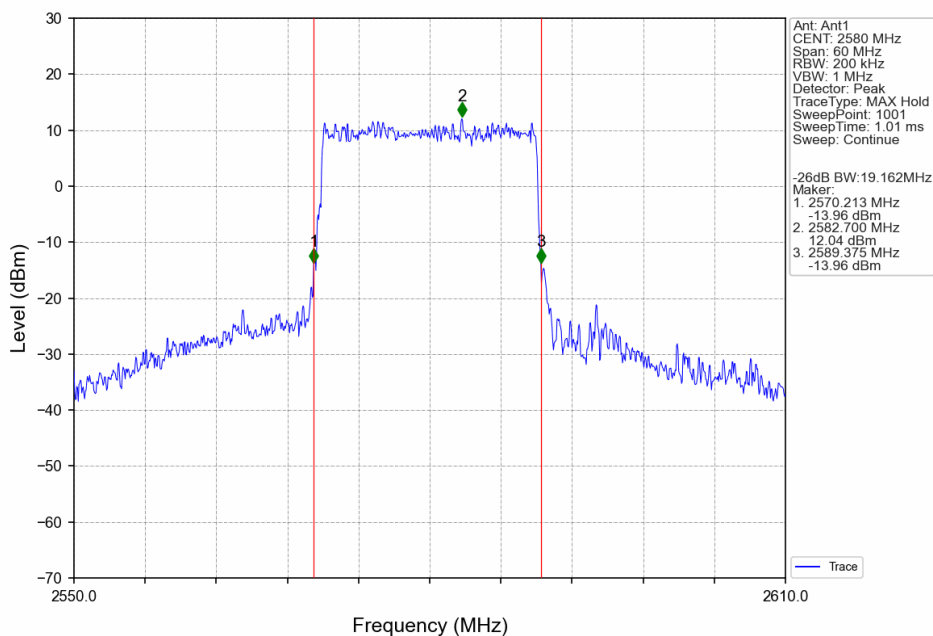


Test Report No.: RF260703B003

Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



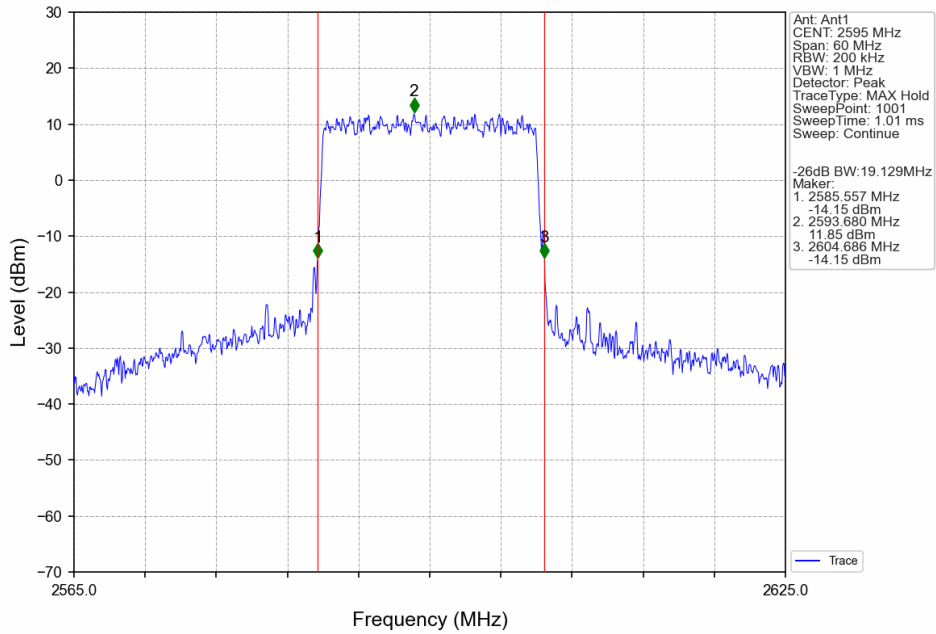
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



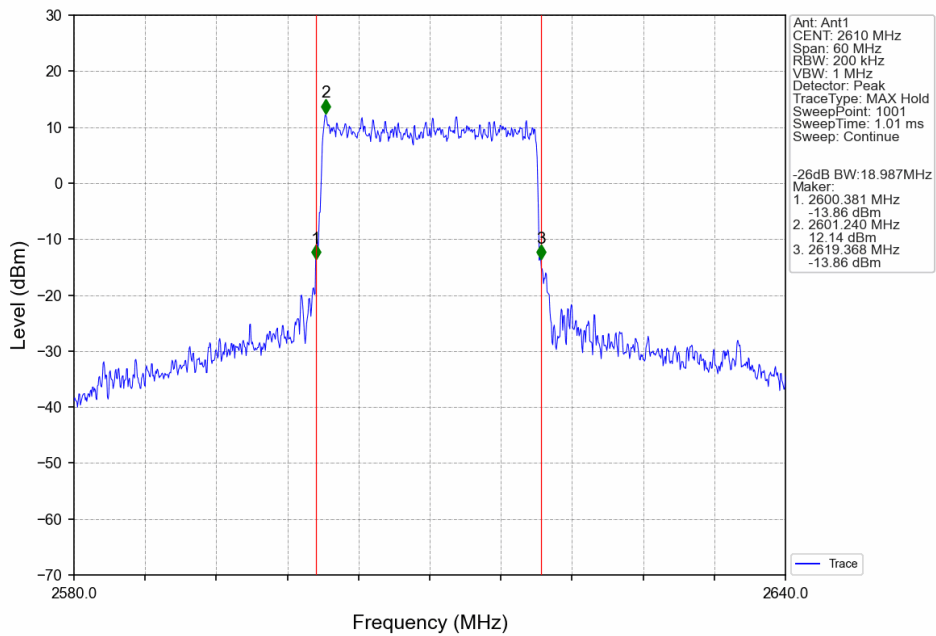


Test Report No.: RF260703B003

Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV





Test Report No.: RF260703B003

PEAK-TO-AVERAGE RATIO (CCDF)

Test Result

B38 5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.56	<=13	Pass
	2595	25	0	7.62	<=13	Pass
	2617.5	25	0	7.62	<=13	Pass
16QAM	2572.5	25	0	8.34	<=13	Pass
	2595	25	0	8.44	<=13	Pass
	2617.5	25	0	8.38	<=13	Pass
64QAM	2572.5	25	0	8.34	<=13	Pass
	2595	25	0	8.44	<=13	Pass
	2617.5	25	0	8.38	<=13	Pass

B38 10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.66	<=13	Pass
	2595	50	0	7.72	<=13	Pass
	2615	50	0	7.74	<=13	Pass
16QAM	2575	50	0	8.40	<=13	Pass
	2595	50	0	8.48	<=13	Pass
	2615	50	0	8.44	<=13	Pass
64QAM	2575	50	0	8.38	<=13	Pass
	2595	50	0	8.48	<=13	Pass
	2615	50	0	8.42	<=13	Pass



Test Report No.: RF260703B003

B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.56	<=13	Pass
	2595	75	0	7.62	<=13	Pass
	2612.5	75	0	7.62	<=13	Pass
16QAM	2577.5	75	0	8.40	<=13	Pass
	2595	75	0	8.44	<=13	Pass
	2612.5	75	0	8.38	<=13	Pass
64QAM	2577.5	75	0	8.38	<=13	Pass
	2595	75	0	8.44	<=13	Pass
	2612.5	75	0	8.40	<=13	Pass

B38_20MHz

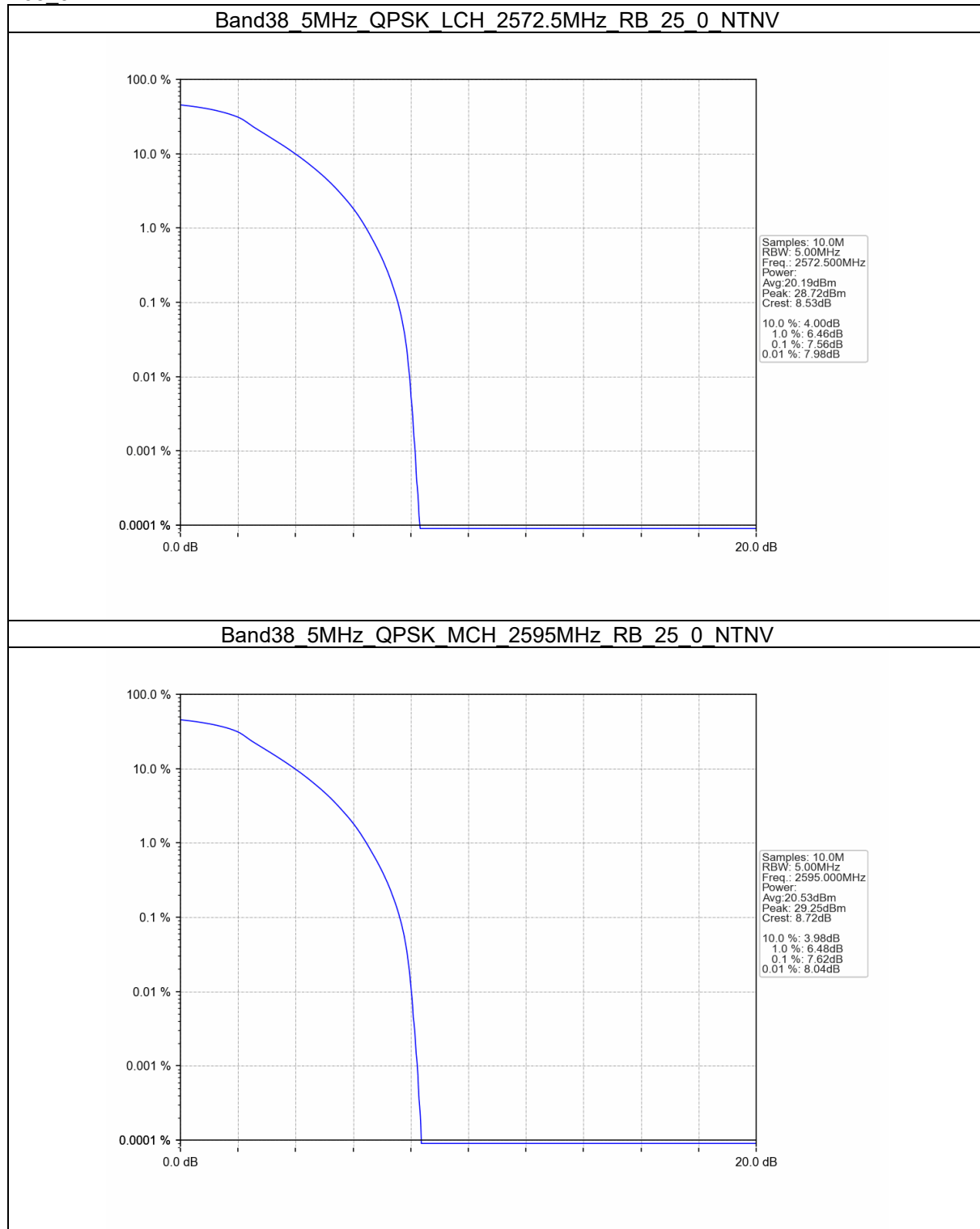
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.68	<=13	Pass
	2595	100	0	7.66	<=13	Pass
	2610	100	0	7.70	<=13	Pass
16QAM	2580	100	0	8.42	<=13	Pass
	2595	100	0	8.44	<=13	Pass
	2610	100	0	8.42	<=13	Pass
64QAM	2580	100	0	8.42	<=13	Pass
	2595	100	0	8.44	<=13	Pass
	2610	100	0	8.42	<=13	Pass



Test Report No.: RF260703B003

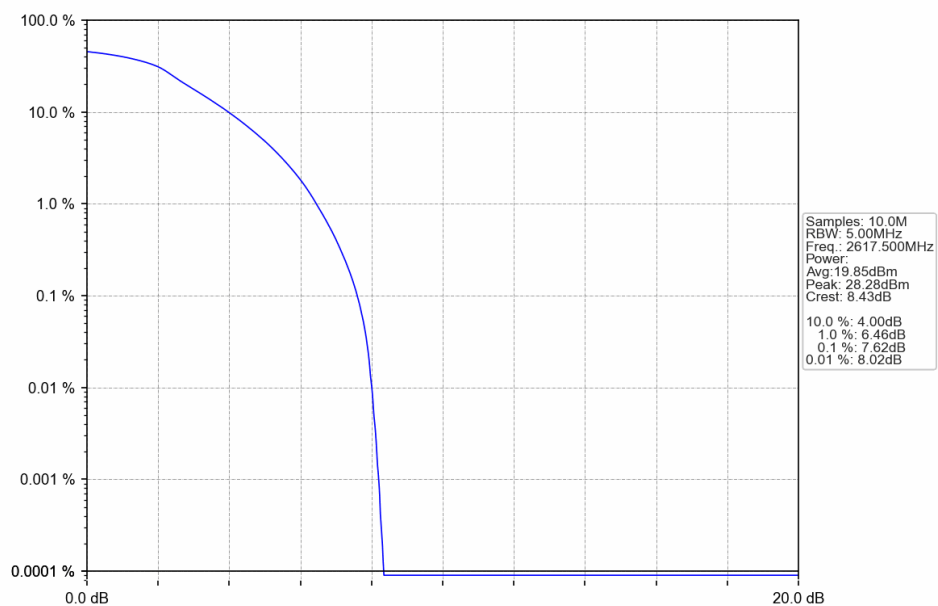
Test Graph

B38_5MHz

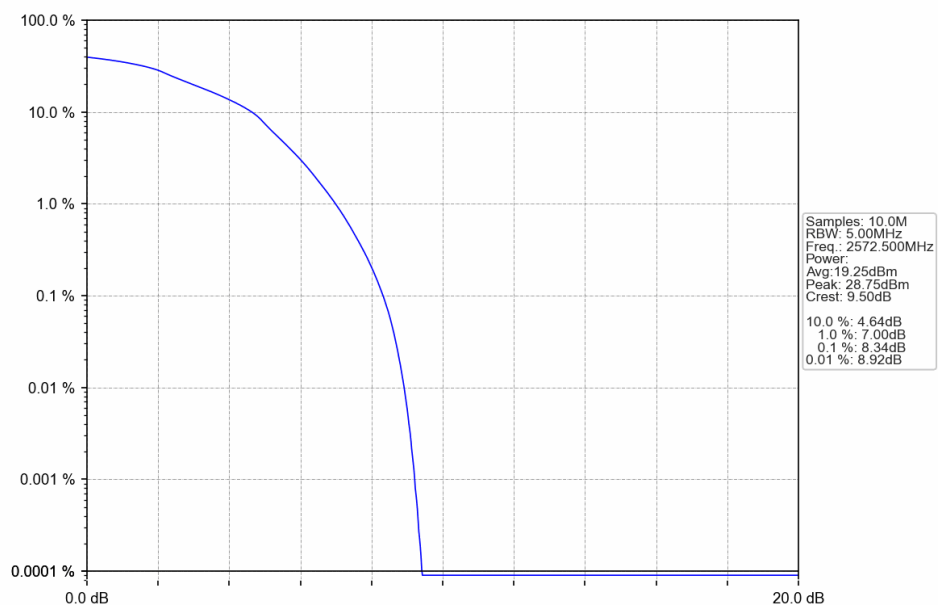


Test Report No.: RF260703B003

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



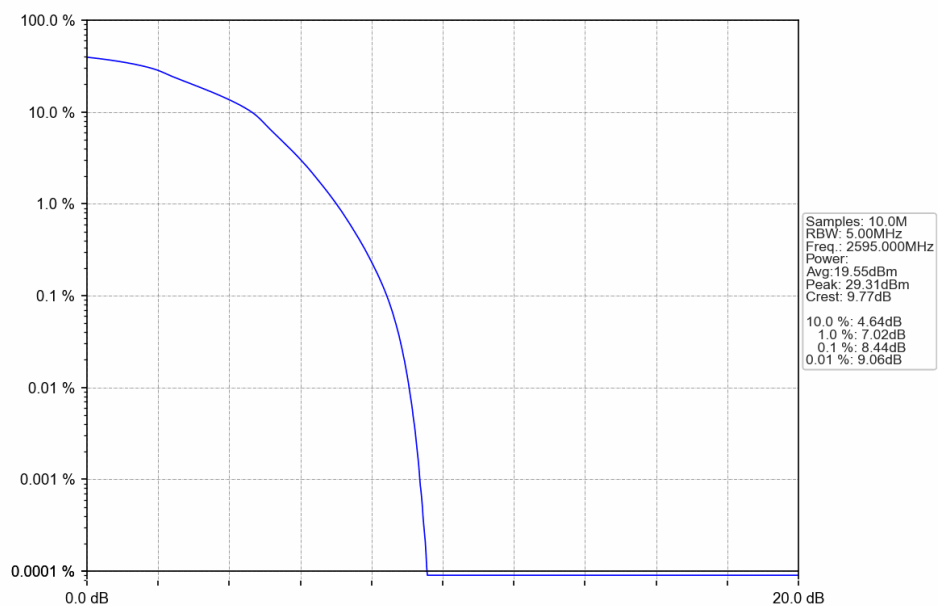
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



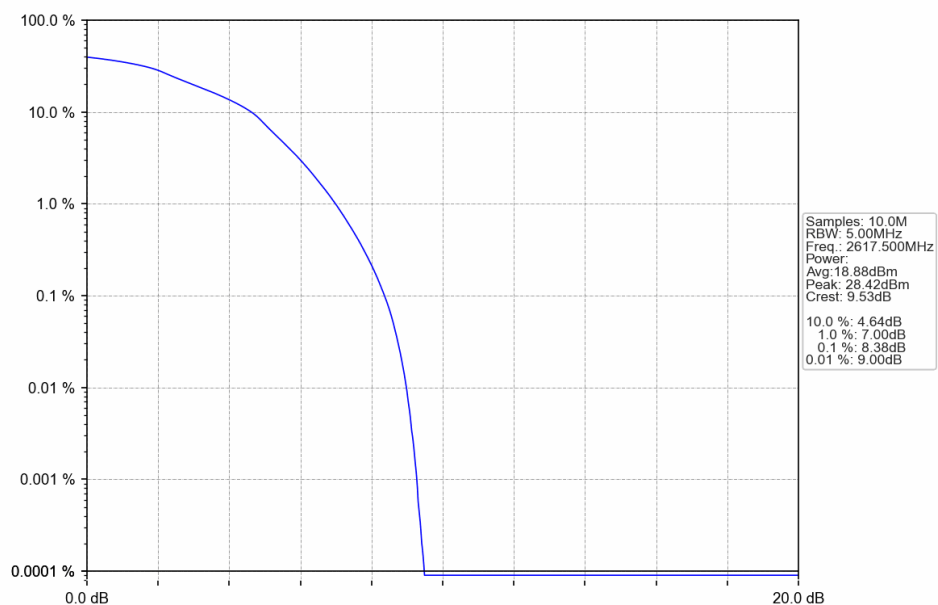


Test Report No.: RF260703B003

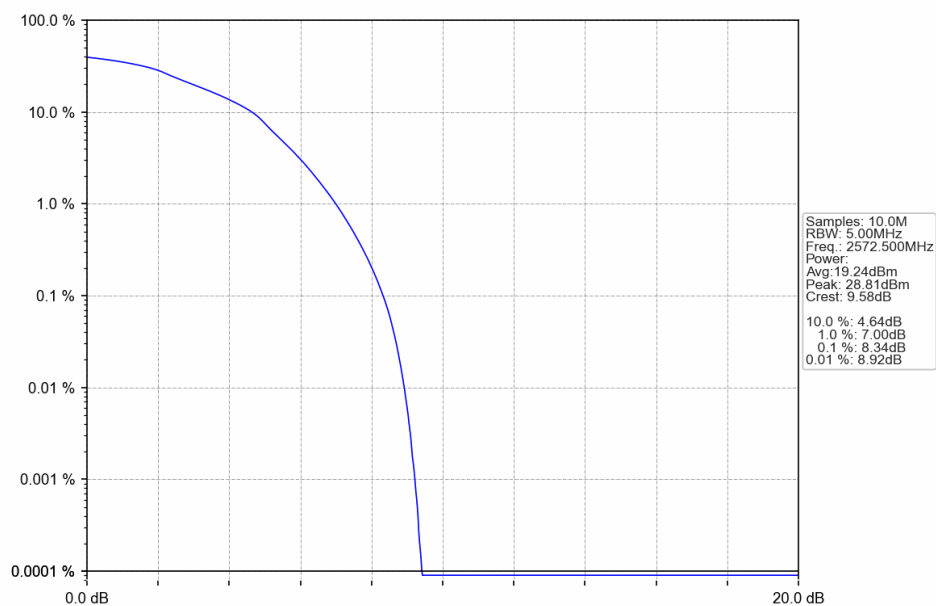
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



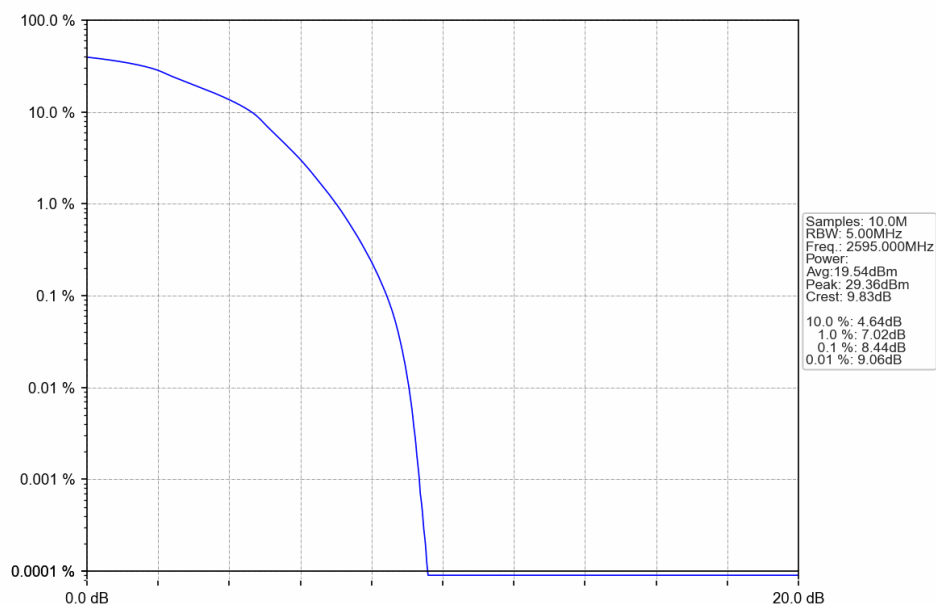
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV

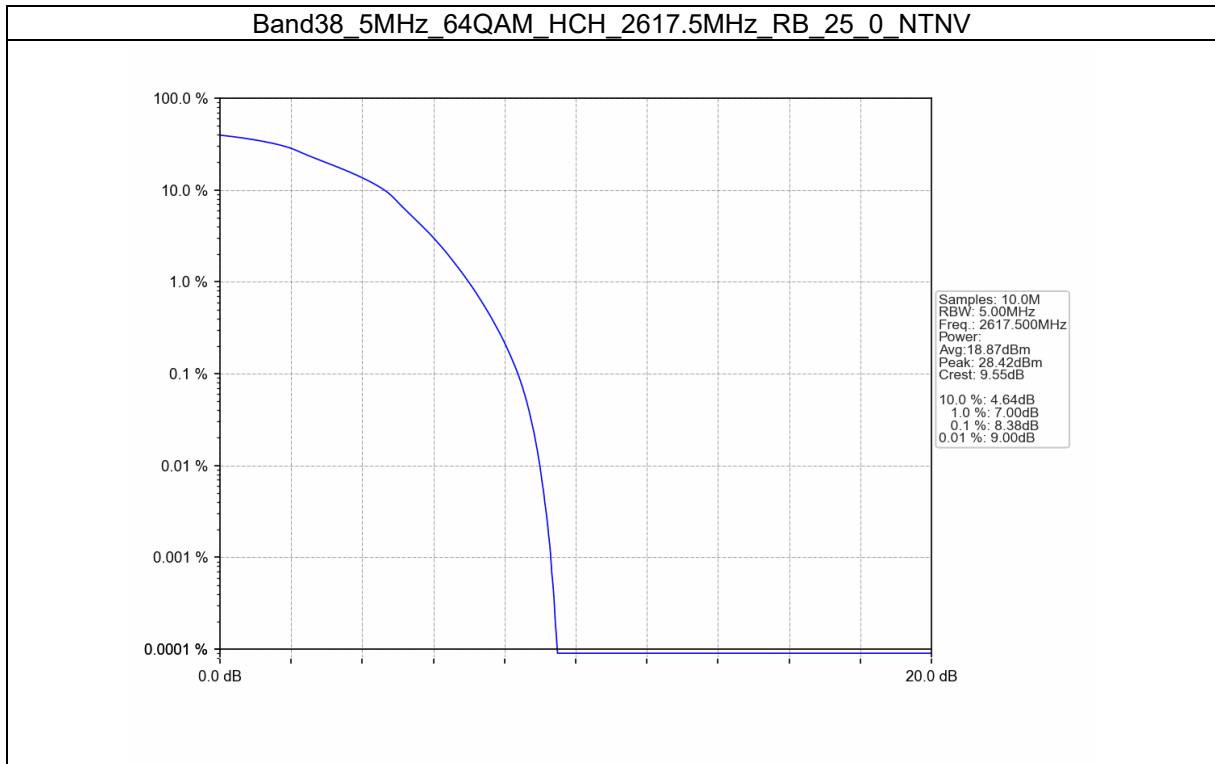


Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV





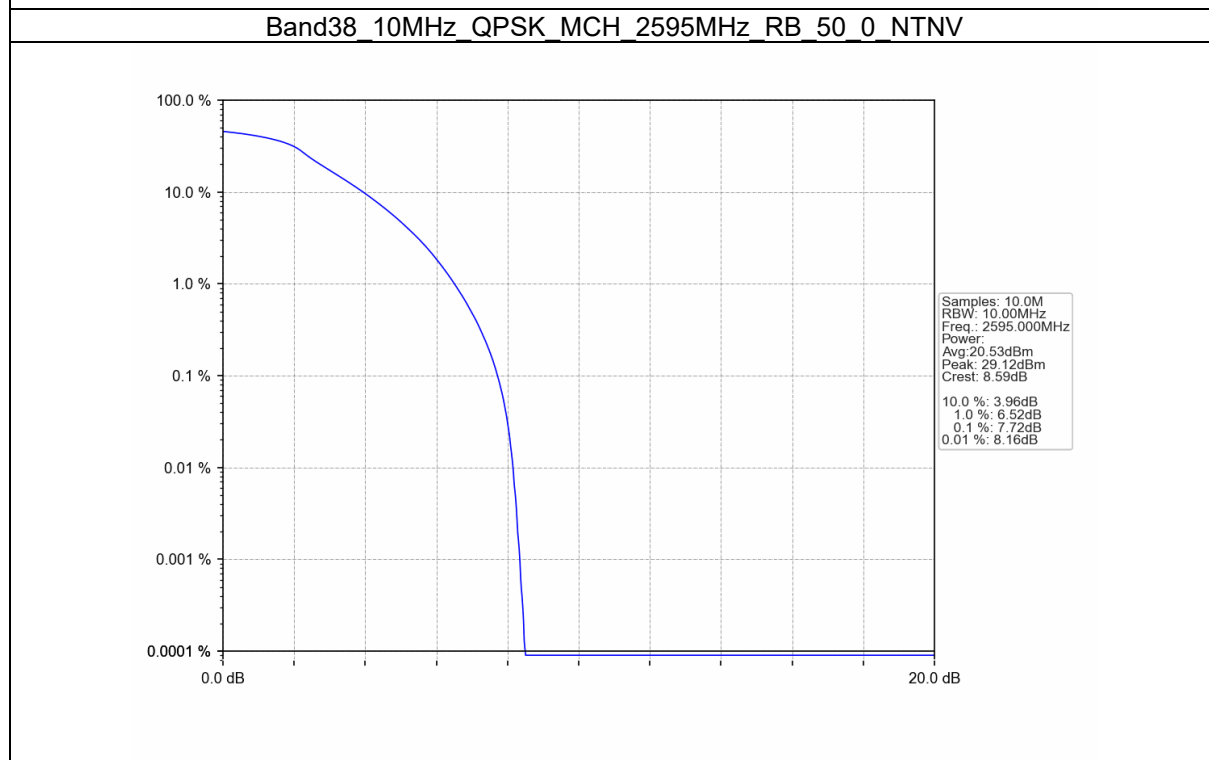
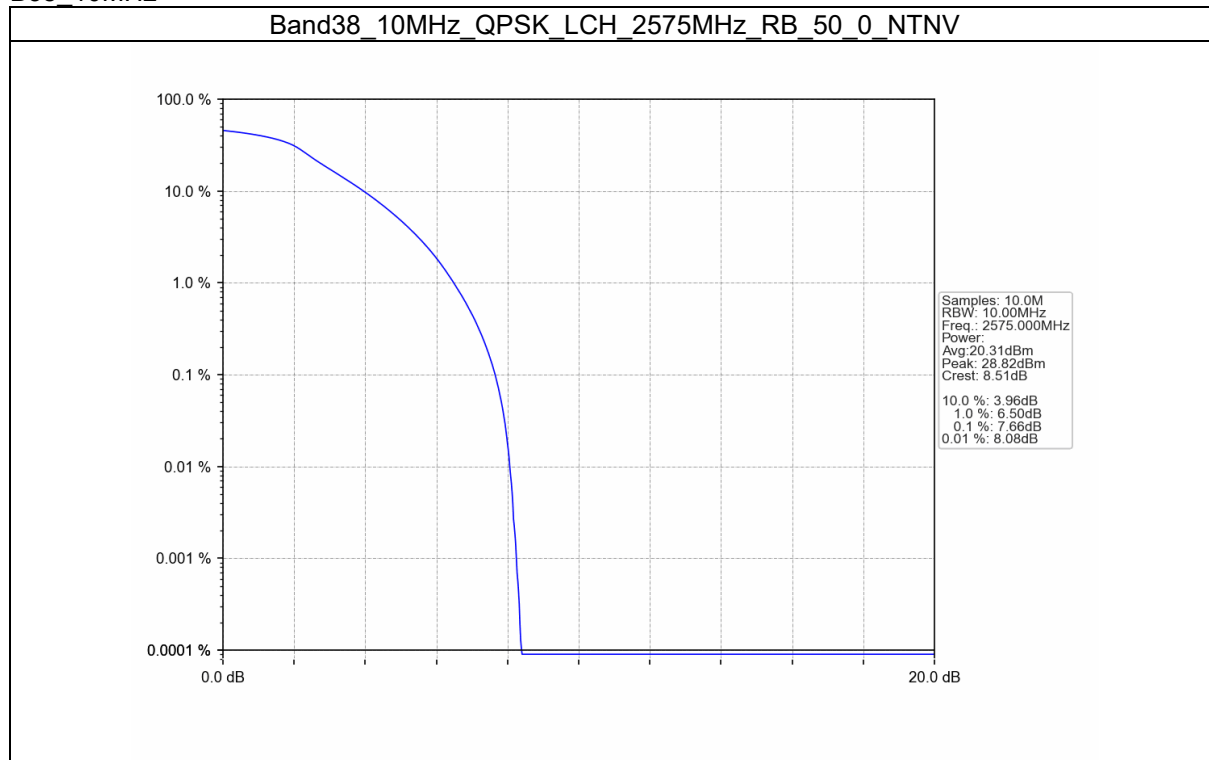
Test Report No.: RF260703B003





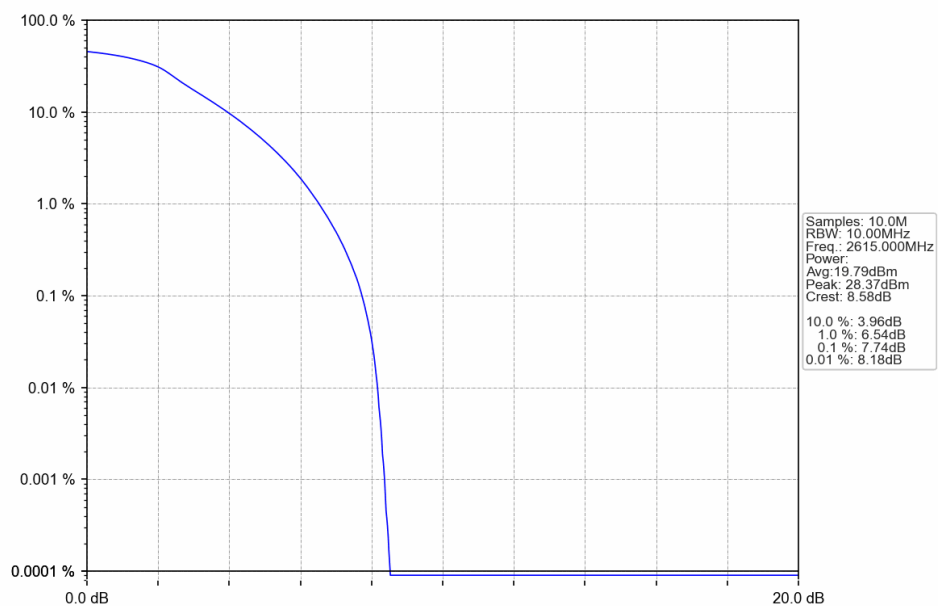
Test Report No.: RF260703B003

B38_10MHz

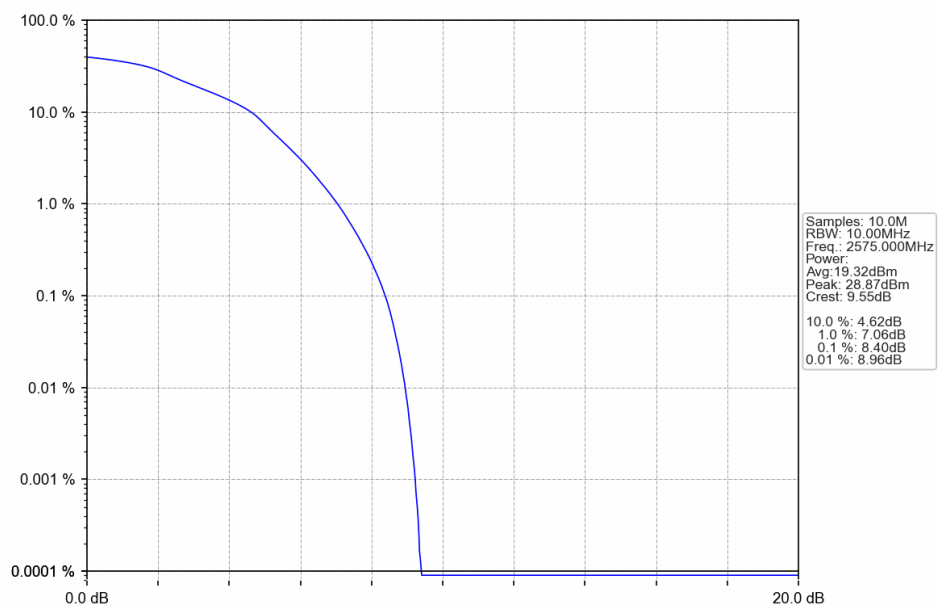


Test Report No.: RF260703B003

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



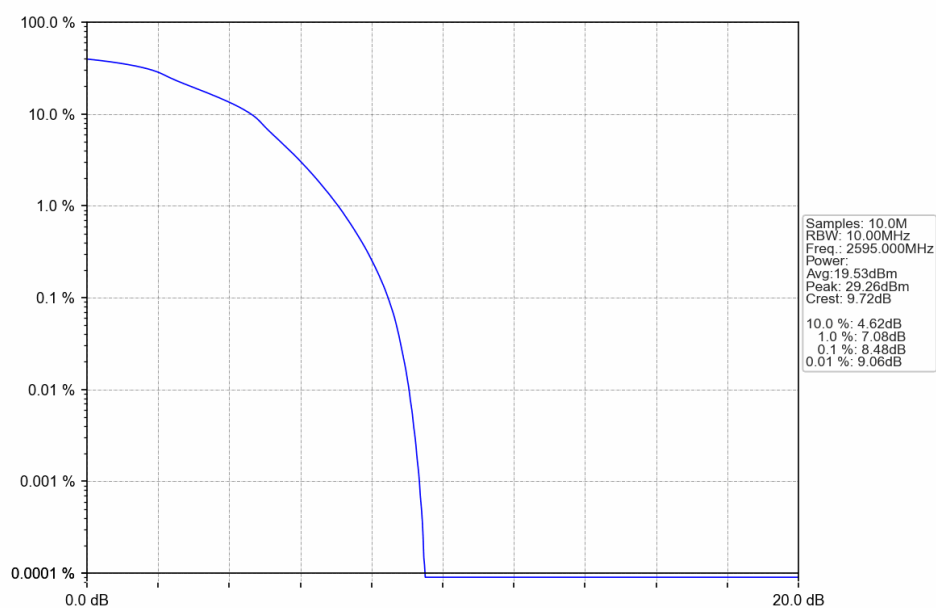
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



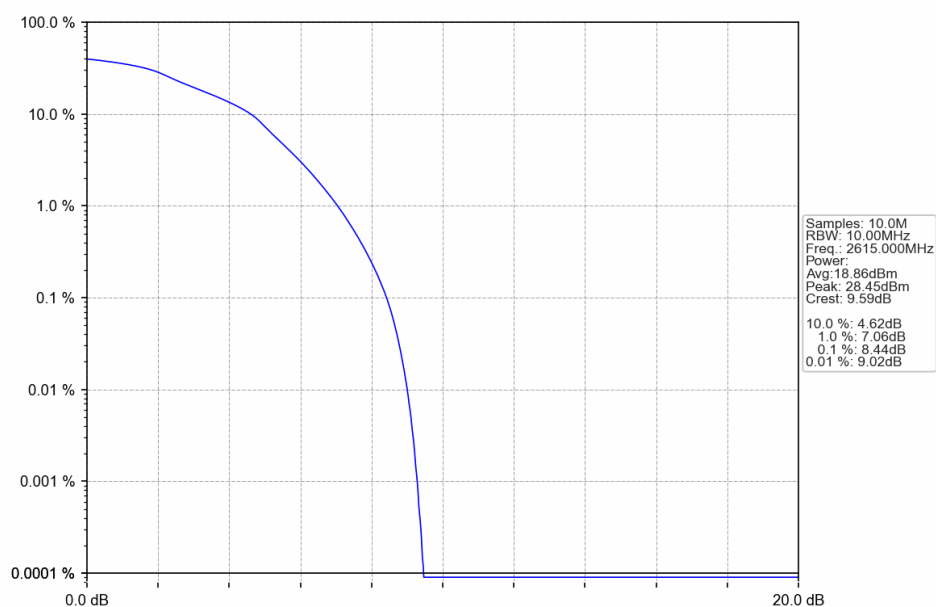


Test Report No.: RF260703B003

Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV

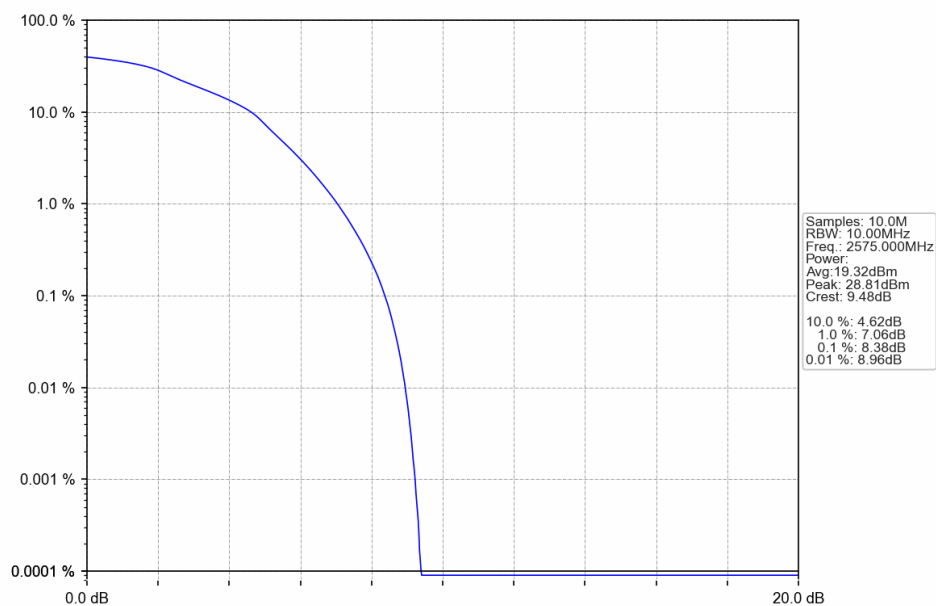


Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV

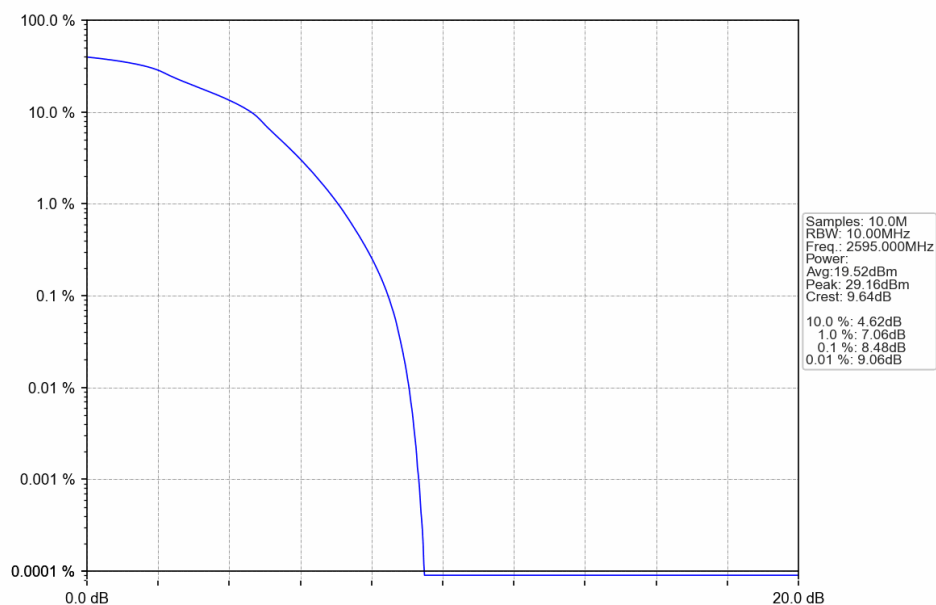


Test Report No.: RF260703B003

Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV





Test Report No.: RF260703B003

