



FCC TEST REPORT

FCC ID: 2AXXU-MK1

On Behalf of

UniRobotix, LLC

Adventure Armor

Model No.: infiltrator mk1 simulator

Prepared for : UniRobotix, LLC
Address : Sungang Bldg Room 1122, 23 Baogang Rd, Luohu Dist, Shenzhen,
China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,
Shenzhen, Guangdong, China

Report Number : A2009259-C01-R01
Date of Receipt : October 23, 2020
Date of Test : October 23-30, 2020
Date of Report : October 31, 2020
Version Number : V0

TABLE OF CONTENTS

Description	Page
1. Summary of Standards And Results -----	6
1.1. Description of Standards and Results -----	6
2. General Information -----	7
2.1. Description of Device (EUT)-----	7
2.2. Accessories of Device (EUT) -----	8
2.3. Tested Supporting System Details-----	8
2.4. Block Diagram of connection between EUT and simulators -----	8
2.5. Test Mode Description -----	9
2.6. Test Conditions-----	10
2.7. Test Facility -----	10
2.8. Measurement Uncertainty -----	10
2.9. Test Equipment List -----	11
3. Spurious Emission -----	12
3.1. Test Limits -----	12
3.2. Test Procedure -----	15
3.3. Test Setup -----	15
3.4. Test Results -----	16
4. Power line Conducted Emission -----	22
4.1. Test Limits -----	22
4.2. Test Procedure -----	22
4.3. Test Setup -----	22
4.4. Test Results -----	22
5. Conducted Maximum Output Power -----	24
5.1. Test limits -----	24
5.2. Test Procedure -----	24
5.3. Test Setup -----	24
5.4. Test Results -----	24
6. Peak Power Spectral Density -----	26
6.1. Test limits -----	26
6.2. Test Procedure -----	26
6.3. Test Setup -----	26
6.4. Test Results -----	27
7. Bandwidth -----	34
7.1. Test limits -----	34
7.2. Test Procedure -----	34
7.3. Test Setup -----	34
7.4. Test Results -----	34
8. Band Edge Check -----	47
8.1. Test limits -----	47
8.2. Test Procedure -----	47
8.3. Test Setup -----	47
8.4. Test Results -----	47
9. Frequency stability -----	54
9.1. Test limit -----	54
9.2. Test Procedure -----	54
9.3. Test Setup -----	54
9.4. Test Results -----	54

10. Antenna Requirement	55
10.1. Standard Requirement	55
10.2. Antenna Connected Construction	55
10.3. Results	55
11. Test setup photo	56
12. Photos of EUT	58

TEST REPORT DECLARATION

Applicant : UniRobotix, LLC
Address : Sungang Bldg Room 1122, 23 Baogang Rd, Luohu Dist, Shenzhen, China
Manufacturer : UniRobotix, LLC
Address : Sungang Bldg Room 1122, 23 Baogang Rd, Luohu Dist, Shenzhen, China
EUT Description : Adventure Armor

(A) Model No. : infiltrator mk1 simulator

(B) Trademark :



Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

RSS-247 Issue 2, RSS-Gen Issue 5, ANSI C63.10, CISPR 16-1-4

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

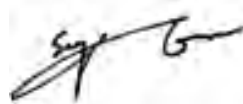
After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....: Lucas Pang
Project Engineer



Approved by (name + signature).....: Simple Guan
Project Manager



Date of issue.....: October 31, 2020

Revision History

Revision	Issue Date	Revisions	Revised By
V0	October 31, 2020	Initial released Issue	Lucas Pang

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Standards Paragraph	Result
Conducted Emission	FCC Part 15: 15.207 RSS-GEN(8.8) ANSI C63.10	P
6dB Bandwidth	FCC PART 15:15.247(a)(2) RSS-247(5.2 a) ANSI C63.10	P
Output Power	FCC Part 15: 15.247(b)(3) RSS-247(5.4 d) ANSI C63.10	P
Radiated Spurious Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) RSS-Gen(8.9), RSS-247(5.5) ANSI C63.10	P
Conducted Spurious & Band Edge Emission	FCC Part 15: 15.247(d) RSS-Gen(8.9), RSS-247(5.5) ANSI C63.10	P
Power Spectral Density	FCC PART 15:15.247(e) RSS-247(5.2 b) ANSI C63.10	P
Radiated Band Edge Emission	FCC Part 15: 15.247(d) RSS-GEN(6.13) ANSI C63.10	P
Frequency stability	RSS-GEN(6.11)	N/A
Antenna Requirement	FCC Part 15: 15.203 RSS-GEN(6.8)	P
Note: 1. P is an abbreviation for Pass. 2. F is an abbreviation for Fail. 3. N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT Name : Adventure Armor

Trademark : 

Model No. : infiltrator mk1 simulator

DIFF. : /

Power supply : DC 3.7V from battery, DC 5V from adapter.

2.4G WIFI :

Operation frequency : 2412MHz-2462MHz for IEEE 802.11 b, g, n/HT20
2422MHz~2452MHz for IEEE802.11n/HT40

Channel No. : 802.11b/802.11g /802.11n(HT20): 11CH
802.11(HT40): 7CH

Modulation type : IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK)
IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n :OFDM(64QAM, 16QAM, QPSK, BPSK)

Antenna Type : Internal antenna, Maximum Gain is 2dBi

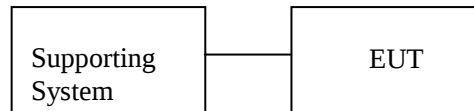
2.2. Accessories of Device (EUT)

Accessories 1	:	Power Adapter
Manufacturer	:	/
Model	:	GAT-0501000U
Input	:	AC 100-240V~, 0.4A, 50/60Hz
Output	:	DC 5V=1A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification or SDOC
1	/	/	/	/	/

2.4. Block Diagram of connection between EUT and simulators



2.5. Test Mode Description

Duty cycle :100%Keeping TX			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11 n/HT20	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11 n/HT40	13	Low :CH3	2422
	13	Middle: CH6	2437
	13	High: CH9	2452
Note: According exploratory test, EUT will have maximum output power in those data rate. so those data rate were used for all test.			

Channel list:					
For IEEE 802.11b, g, n/HT20					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	2412	CH5	2432	CH9	2452
CH2	2417	CH6	2437	CH10	2457
CH3	2422	CH7	2442	CH11	2462
CH4	2427	CH8	2447		
For IEEE 802.11 n/HT40 with 2.4G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	2422	CH5	2442		
CH2	2427	CH6	2447		
CH3	2432	CH7	2452		
CH4	2437				

Setting output power (Max)			
802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
8dBm	8dBm	8dBm	8dBm

2.6.Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	24℃
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7.Test Facility

Shenzhen Alpha Product Testing Co., Ltd

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,
Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission

Registration Number: 293961

Designation Number: CN1236

July 15, 2019 Certificated by IC

Registration Number: 12135A

2.8.Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	2.74dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB(Polarize: V)
	2.57dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.13dB(Polarize: H)
	4.16dB(Polarize: V)
Uncertainty for radio frequency	5.4×10^{-8}
Uncertainty for conducted RF Power	0.37dB
Uncertainty for temperature	0.2℃
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

2.9.Test Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	N/A	2019.09.06	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	102137	2020.09.02	1Year
Spectrum analyzer	Agilent	N9020A	MY499100060	2020.09.02	1Year
Receiver	ROHDE&SCHWARZ	ESR	1316.3003K03-102082-Wa	2020.09.02	1Year
Receiver	R&S	ESCI	101165	2020.09.02	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	VULB9168-438	2020.04.12	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2020.04.12	2Year
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00059	2019.09.07	2Year
Cable	Resenberger	N/A	No.1	2020.09.02	1Year
Cable	Resenberger	N/A	No.2	2020.09.02	1Year
Cable	Resenberger	N/A	No.3	2020.09.02	1Year
Pre-amplifier	HP	HP8347A	2834A00455	2020.09.02	1Year
Pre-amplifier	Agilent	8449B	3008A02664	2020.09.02	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126466	2020.09.02	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2020.09.02	1 Year
20db Attenuator	ICPROBING	IATS1	82347	2020.09.02	1 Year
Horn Antenna	SCHWARZBECK	BBHA9170	00946	2019.09.07	2 Year
Preamplifier	SKET	LNPA_1840-50	SK2018101801	2020.09.02	1 Year
Power Meter	Agilent	E9300A	MY41496625	2020.09.02	1 Year
Temp. & Humid. Chamber	Wei Huang	WHTH-1000-40-880	100631	2020.09.02	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	20140927-6	2020.09.02	1 Year

3. SPURIOUS EMISSION

3.1. Test Limits

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

RSS-GEN Restricted frequency band

Table 7 – Restricted frequency bandsNote 1

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12

6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009-0.490	300	$2400/\text{F}(\text{KHz})$	/
0.490-1.705	30	$24000/\text{F}(\text{KHz})$	/
1.705-30	30	30	29.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	
Note 1: The peak limit is 20 dB higher than the average limit			
Note 2: Peak limit applies (AVG limit + 20 dB) as well as RSS-247 Section 5.5			

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

Table 5 – General field strength limits at frequencies above 30 MHz

Frequency (MHz)	Field strength ($\mu\text{V}/\text{m}$ at 3 m)
30 – 88	100
88 – 216	150
216 – 960	200
Above 960	500

Table 6 – General field strength limits at frequencies below 30 MHz

Frequency	Magnetic field strength (H-Field) ($\mu\text{A}/\text{m}$)	Measurement distance (m)
9 - 490 kHz ^{Note 1}	$6.37/\text{F}$ (F in kHz)	300
490 - 1705 kHz	$63.7/\text{F}$ (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

3.2. Test Procedure

The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1GHz. The EUT was placed on a rotating 0.8 m high above ground for below 1GHz and 1.5m high for above 1GHz testing, the table was rotated 360 degrees to determine the position of the highest radiation

The Test antenna shall vary between 1m and 4m, both Horizontal and Vertical antenna are set of make measurement.

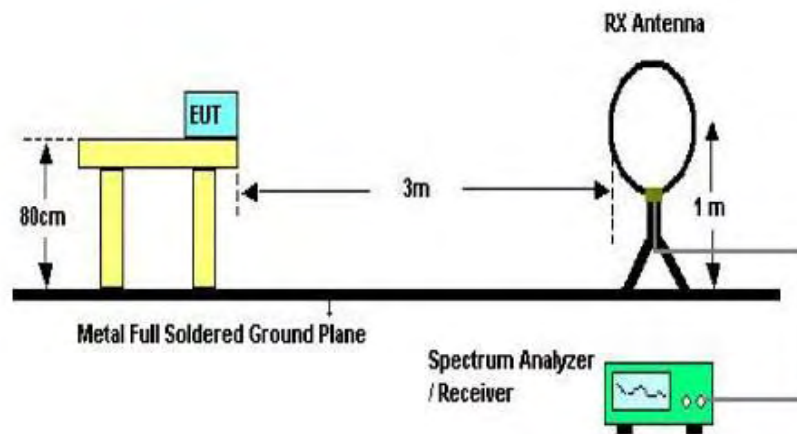
The initial step in collecting radiated emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significant Peaks are then marked. and then Quasi Peak Detector mode premeasured

If Peak value comply with QP limit below 1GHz, the EUT deemed to comply with QP limit.

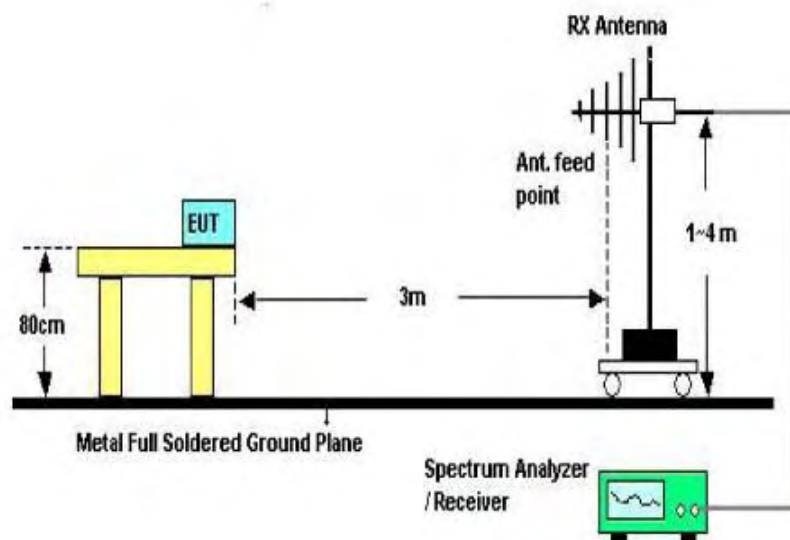
But the Peak value and average value both need to comply with applicable limit above 1GHz.

For the actual test configuration, please see the test setup photo.

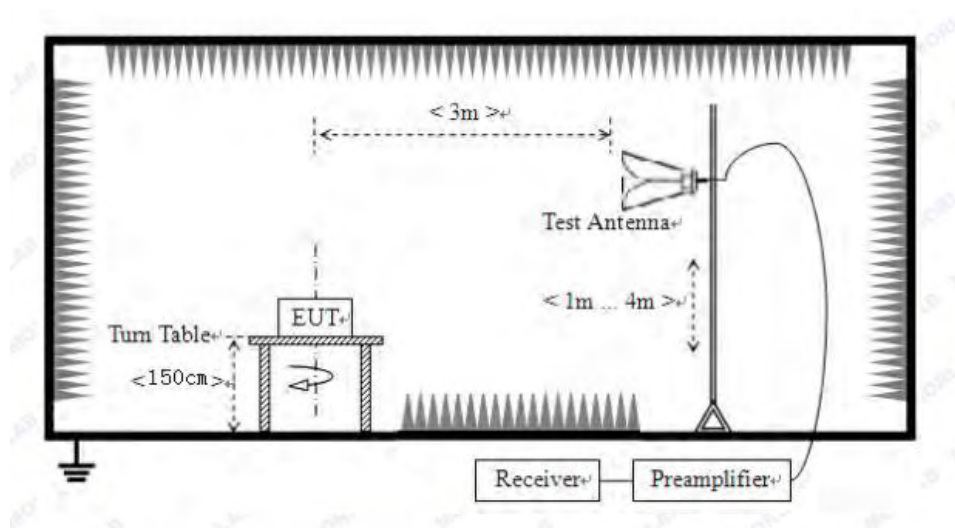
3.3. Test Setup



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

3.4. Test Results

Test Condition

Continual Transmitting in maximum power.

9KHz~150KHz	RBW200Hz	VBW1KHz
150KHz~30MHz	RBW9KHz	VBW 30KHz
30MHz~1GHz	RBW120KHz	VBW 300KHz
Above1GHz	RBW1MHz	VBW 3MHz

We have scanned the EUT from 9kHz up to the 10th harmonic of the fundamental.

Detailed information please see the following page.

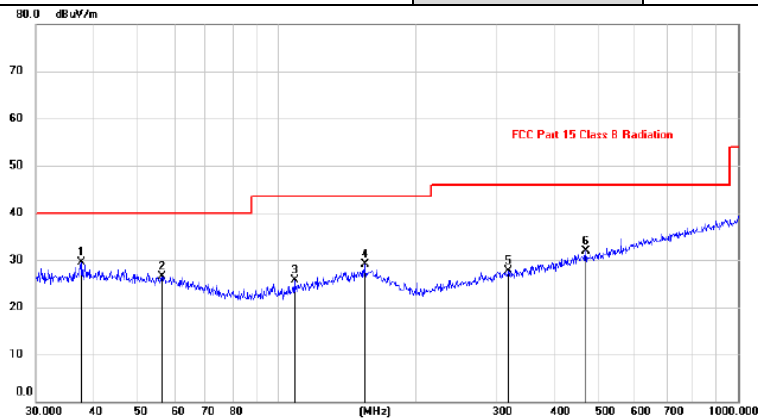
From 9KHz to 30MHz: Conclusion: PASS

Note: 1.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

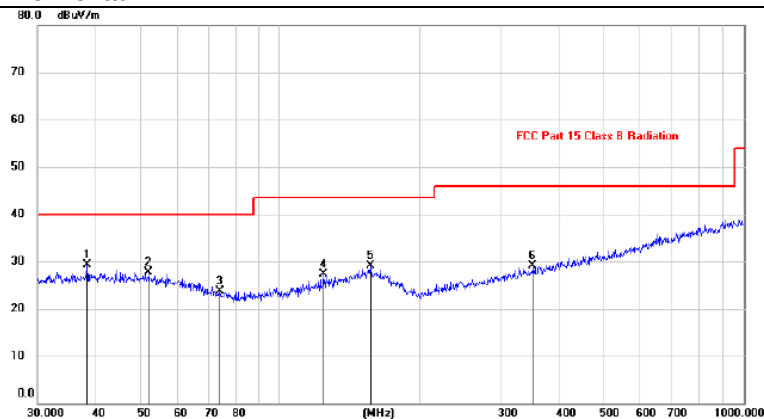
2.Only show the test data of the worst Channel in this report.

From 30MHz to 1000MHz: Conclusion: PASS

EUT Description	Adventure Armor	Temperature	24°C
Model No.	infiltrator mk1 simulator	Humidity	56%
Pol	Vertical	Test mode	802.11b 2412MHz
Test Voltage	DC 3.7V		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	37.6963	15.42	14.13	29.55	40.00	-10.45	peak		
2		56.2712	13.08	13.51	26.59	40.00	-13.41	peak		
3		109.0764	13.87	11.74	25.61	43.50	-17.89	peak		
4		155.2281	14.18	14.99	29.17	43.50	-14.33	peak		
5		318.1190	13.19	14.57	27.76	46.00	-18.24	peak		
6		468.0548	14.08	17.75	31.83	46.00	-14.17	peak		

Pol Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	38.3462	15.06	14.25	29.31	40.00	-10.69	peak		
2		52.1164	13.88	13.82	27.70	40.00	-12.30	peak		
3		74.2978	12.95	10.69	23.64	40.00	-16.36	peak		
4		123.9698	14.18	13.20	27.38	43.50	-16.12	peak		
5		156.6636	14.07	15.00	29.07	43.50	-14.43	peak		
6		351.3997	13.98	15.22	29.20	46.00	-16.80	peak		

*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Remark: All modes have been tested, and only worst data was listed in this report.

Test Mode: IEEE 802.11b TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4824	42.61	V	33.98	10.22	34.25	52.56	74	21.44	PK
4824	33.05	V	33.98	10.22	34.25	43.00	54	11.00	AV
7236	/	V	33.98	10.22	34.25	/	74	/	/
9648	/	V	33.98	10.22	34.25	/	74	/	/
4824	42.53	H	33.98	10.22	34.25	52.48	74	21.52	PK
4824	31.75	H	33.98	10.22	34.25	41.70	54	12.30	AV
7236	/	H	33.98	10.22	34.25	/	74	/	/
9648	/	H	33.98	10.22	34.25	/	74	/	/
Test Mode: IEEE 802.11b TX Mid									
4874	42.41	V	33.98	10.22	34.25	52.36	74	21.64	PK
4874	32.25	V	33.98	10.22	34.25	42.20	54	11.80	AV
7311	/	V	33.98	10.22	34.25	/	74	/	/
9748	/	V	33.98	10.22	34.25	/	74	/	/
4874	42.25	H	33.98	10.22	34.25	52.20	74	21.80	PK
4874	32.06	H	33.98	10.22	34.25	42.01	54	11.99	AV
7311	/	H	33.98	10.22	34.25	/	74	/	/
9748	/	H	33.98	10.22	34.25	/	74	/	/
Test Mode: IEEE 802.11b TX High									
4924	41.86	V	33.98	10.22	34.25	51.81	74	22.19	PK
4924	32.74	V	33.98	10.22	34.25	42.69	54	11.31	AV
7386	/	V	33.98	10.22	34.25	/	74	/	/
9848	/	V	33.98	10.22	34.25	/	74	/	/
4924	42.47	H	33.98	10.22	34.25	52.42	74	21.58	PK
4924	32.24	H	33.98	10.22	34.25	42.19	54	11.81	AV
7386	/	H	33.98	10.22	34.25	/	74	/	/
9848	/	H	33.98	10.22	34.25	/	74	/	/

Note:

1, Result = Read level + Antenna factor + cable loss-Amp factor

2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

Note: 1, Result = Read level + Antenna factor + cable loss-Amp factor 2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.
--

Note: 1, Result = Read level + Antenna factor + cable loss-Amp factor 2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.
--

Note: 1, Result = Read level + Antenna factor + cable loss-Amp factor 2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.
--

4. POWER LINE CONDUCTED EMISSION

4.1. Test Limits

Frequency MHz	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15 -0.50	66 -56*	56 - 46*
0.50 -5.00	56	46
5.00 -30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

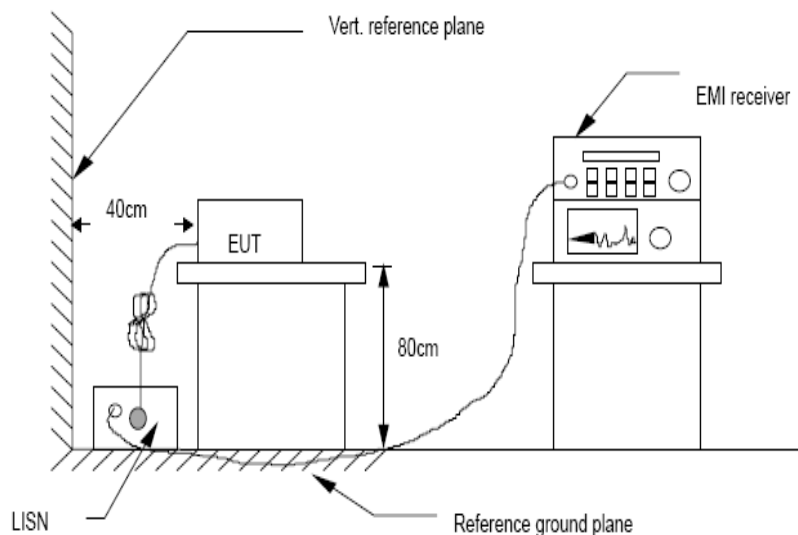
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

4.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10:2013 on Conducted Emission Measurement.

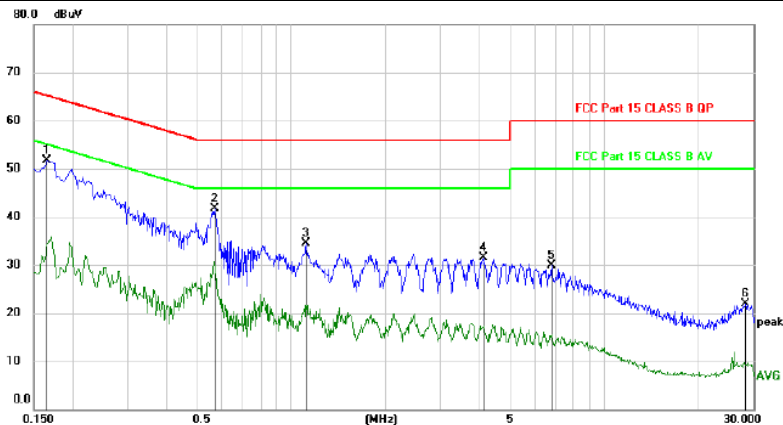
The bandwidth of test receiver is set at 9 kHz.

4.3. Test Setup



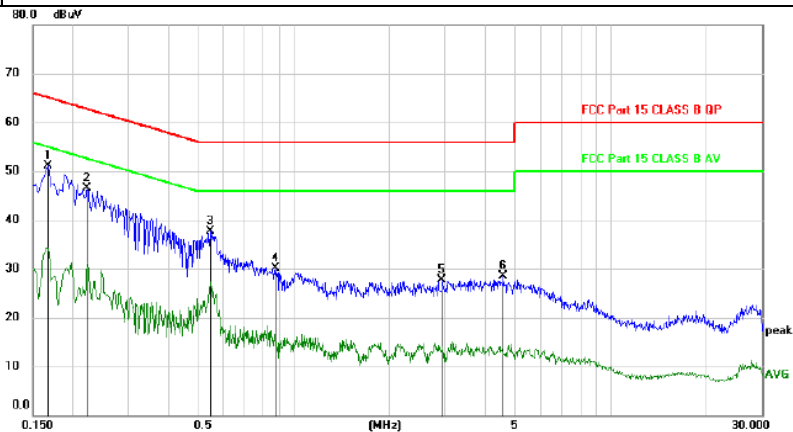
4.4. Test Results

EUT Description	Adventure Armor	Model No.	infiltrator mk1 simulator
Temperature	24°C	Humidity	56%
Pol	Line	Test mode	802.11b 2412MHz
Test Voltage	AC 120V/60Hz		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1650	41.84	9.93	51.77	65.21	-13.44	peak	
2		0.5700	31.69	9.93	41.62	56.00	-14.38	peak	
3		1.1160	24.66	9.90	34.56	56.00	-21.44	peak	
4		4.1010	21.47	9.97	31.44	56.00	-24.56	peak	
5		6.7980	19.82	10.11	29.93	60.00	-30.07	peak	
6		28.3500	11.23	10.59	21.82	60.00	-38.18	peak	

Pol	Neutral
------------	---------



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1680	41.18	9.93	51.11	65.06	-13.95	peak	
2		0.2220	36.51	9.94	46.45	62.74	-16.29	peak	
3		0.5460	27.82	9.94	37.76	56.00	-18.24	peak	
4		0.8760	20.18	9.96	30.14	56.00	-25.86	peak	
5		2.9310	17.66	9.95	27.61	56.00	-28.39	peak	
6		4.5900	18.54	10.01	28.55	56.00	-27.45	peak	

*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

5. CONDUCTED MAXIMUM OUTPUT POWER

5.1. Test limits

Please refer RSS-247 & FCC PART 15: 15.247.

Regulation 15.247(b) The limit of Maximum Peak Output Power Measurement is 1 W(30dBm)

5.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

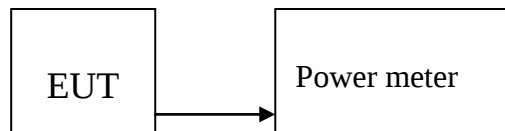
5.2.1 Place the EUT on the table and set it in transmitting mode.

5.2.2 Connected the EUT's antenna port to peak power meter by 20dB attenuator.

5.2.3 Measure out each mode and each bands peak output power of EUT.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

5.3. Test Setup



5.4. Test Results

PASS

Detailed information please see the following page.

Mode	Frequency (MHz)	PK Output power(dBm)	Limit (dBm)	Result
IEEE 802.11 b	CH1: 2412	7.503	30	PASS
	CH6: 2437	7.595	30	PASS
	CH11: 2462	7.561	30	PASS
IEEE 802.11 g	CH1: 2412	7.527	30	PASS
	CH6: 2437	7.425	30	PASS
	CH11: 2462	7.108	30	PASS
IEEE 802.11 n/HT20	CH1: 2412	7.883	30	PASS
	CH6: 2437	7.962	30	PASS
	CH11: 2462	7.989	30	PASS
IEEE 802.11 n/HT40	CH3: 2422	7.435	30	PASS
	CH6: 2437	7.561	30	PASS
	CH9: 2452	7.531	30	PASS

6. PEAK POWER SPECTRAL DENSITY

6.1. Test limits

6.1.1 Please refer RSS-247 & FCC PART 15: 15.247.

6.1.2 For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

6.1.3 The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

6.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

6.2.1 Place the EUT on the table and set it in transmitting mode.

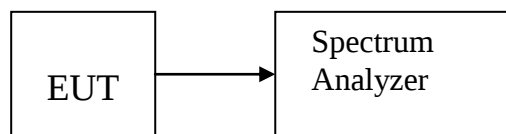
6.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

6.2.3 Set the spectrum analyzer as $RBW = 3\text{kHz}$ (Set the RBW to: $3\text{ kHz} \leq RBW \leq 100\text{ kHz}$.), $VBW = 10\text{kHz}$ (Set the $VBW \geq 3 \times RBW$), $\text{span} \geq 1.5 \times \text{DTS bandwidth}$., detail see the test plot.

6.2.4 Record the max reading.

6.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

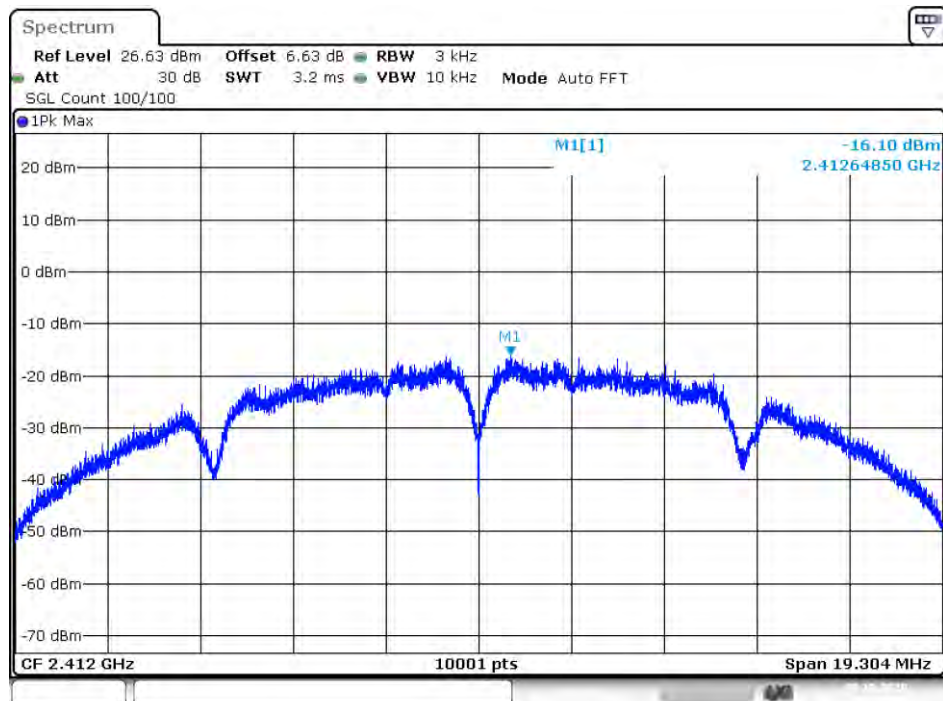
6.3. Test Setup



6.4. Test Results

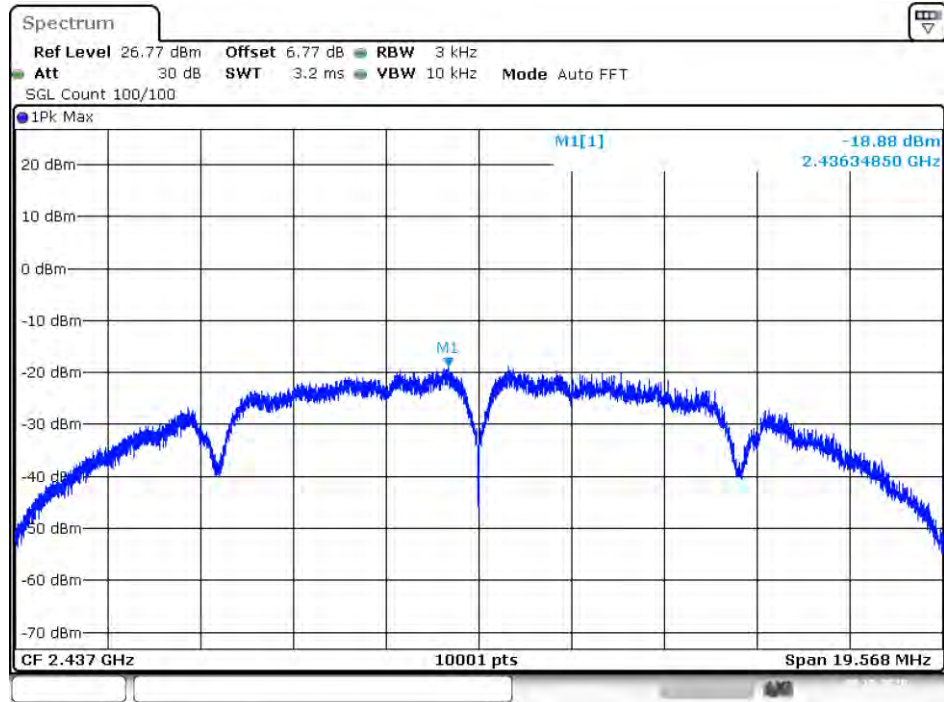
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	802.11b	2412	Ant 1	-16.1	8	Pass
NVNT	802.11b	2437	Ant 1	-18.875	8	Pass
NVNT	802.11b	2462	Ant 1	-18.607	8	Pass
NVNT	802.11g	2412	Ant 1	-23.118	8	Pass
NVNT	802.11g	2437	Ant 1	-25.23	8	Pass
NVNT	802.11g	2462	Ant 1	-21.813	8	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-20.443	8	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-23.951	8	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-21.652	8	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-16.027	8	Pass
NVNT	802.11n(HT40)	2437	Ant 1	-25.816	8	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-24.113	8	Pass

PSD NVNT 802.11b 2412MHz Ant1



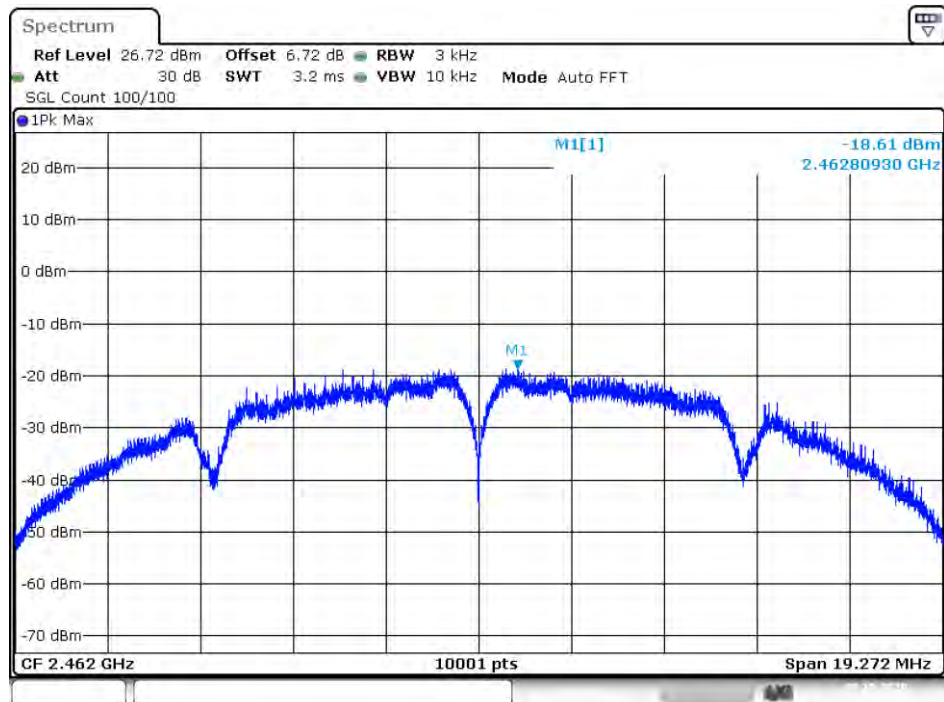
Date: 28.OCT.2020 09:40:38

PSD NVNT 802.11b 2437MHz Ant1



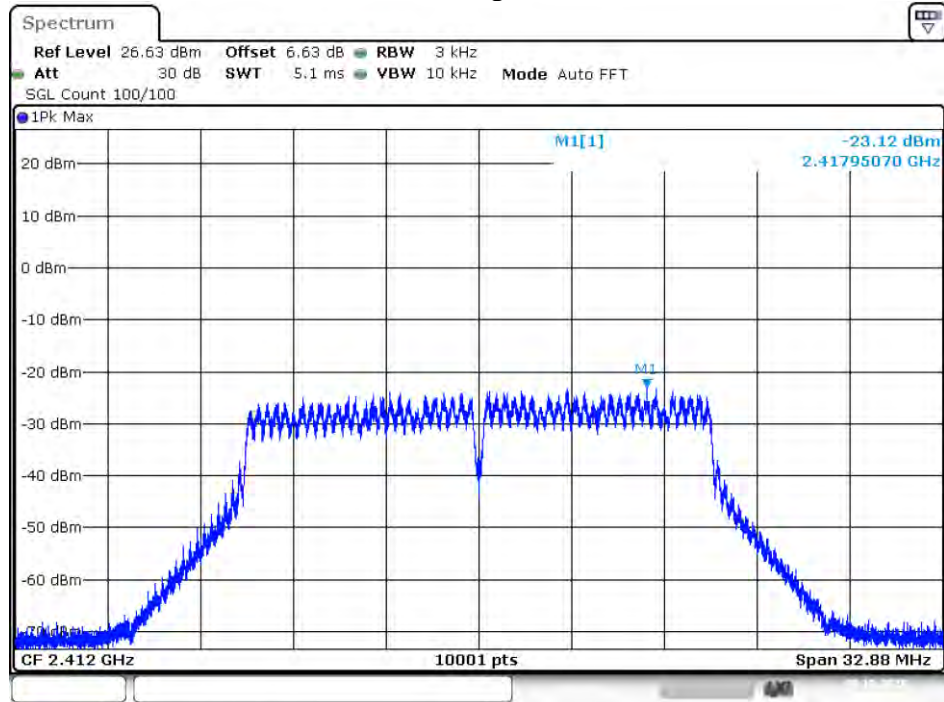
Date: 28.OCT.2020 09:47:58

PSD NVNT 802.11b 2462MHz Ant1



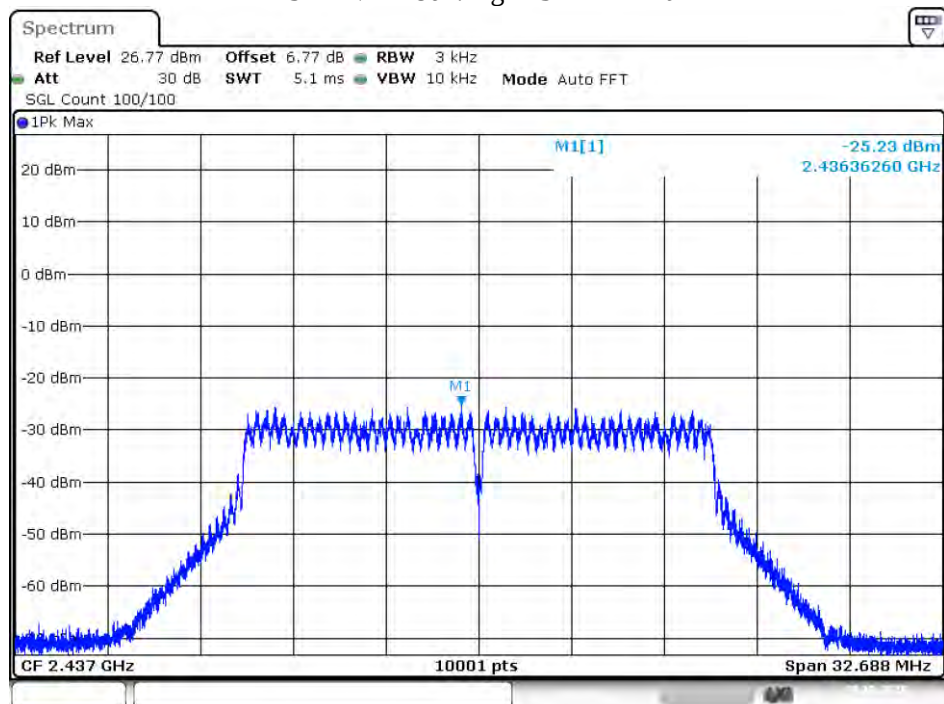
Date: 28.OCT.2020 09:50:20

PSD NVNT 802.11g 2412MHz Ant1



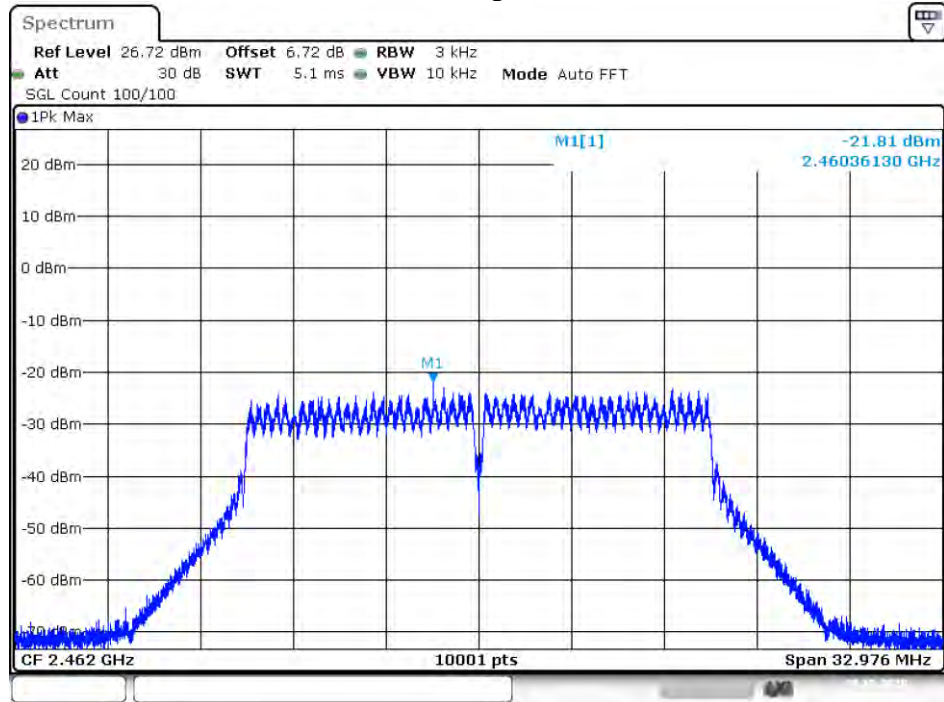
Date: 28.OCT.2020 09:53:04

PSD NVNT 802.11g 2437MHz Ant1



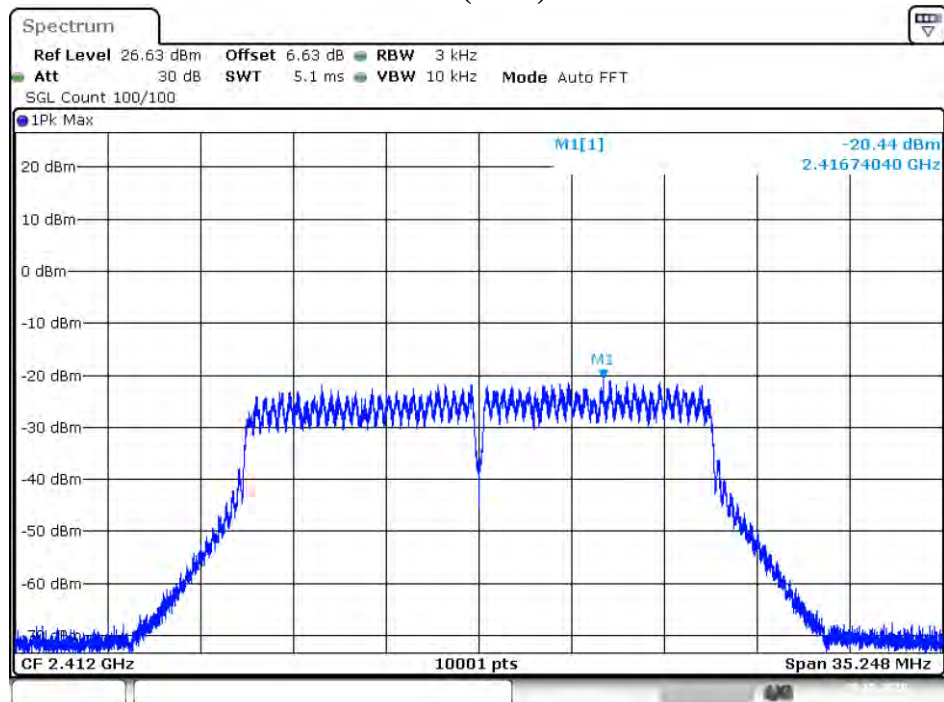
Date: 28.OCT.2020 09:56:47

PSD NVNT 802.11g 2462MHz Ant1



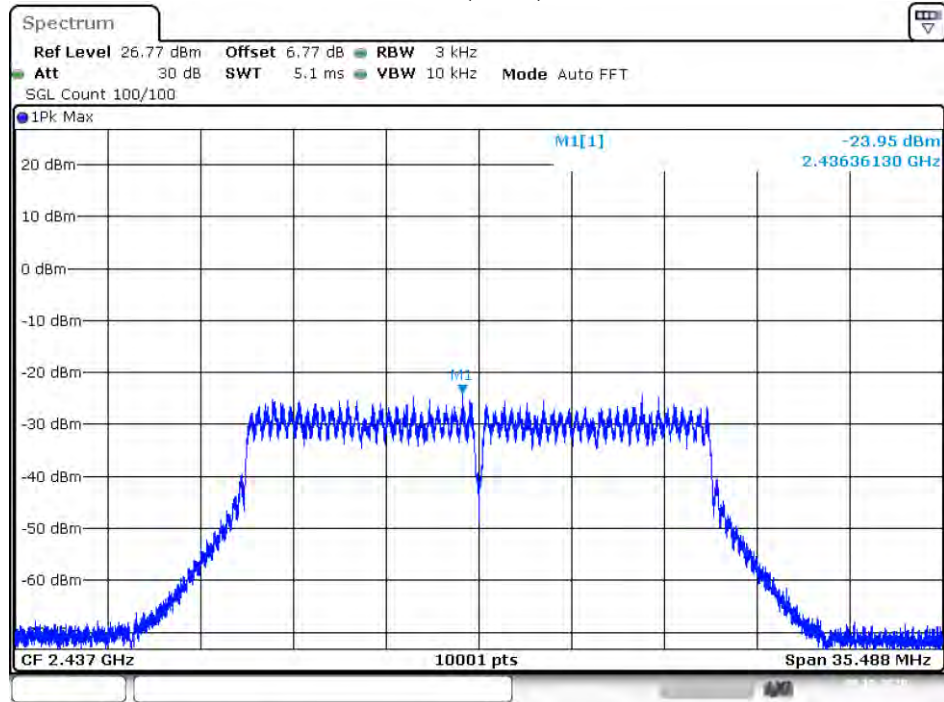
Date: 28.OCT.2020 09:58:58

PSD NVNT 802.11n(HT20) 2412MHz Ant1



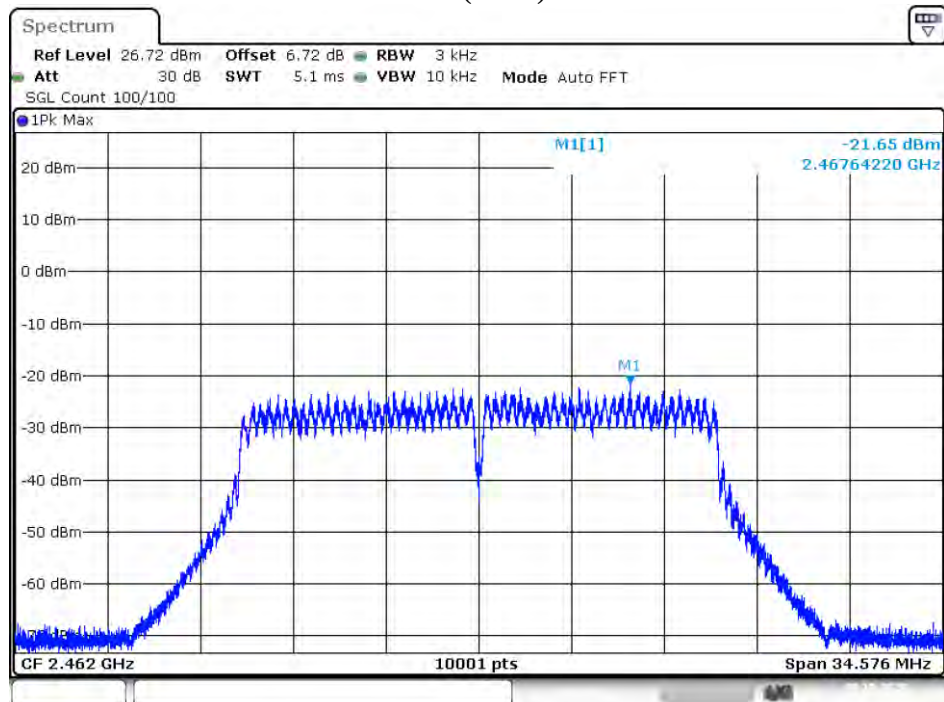
Date: 28.OCT.2020 10:01:24

PSD NVNT 802.11n(HT20) 2437MHz Ant1



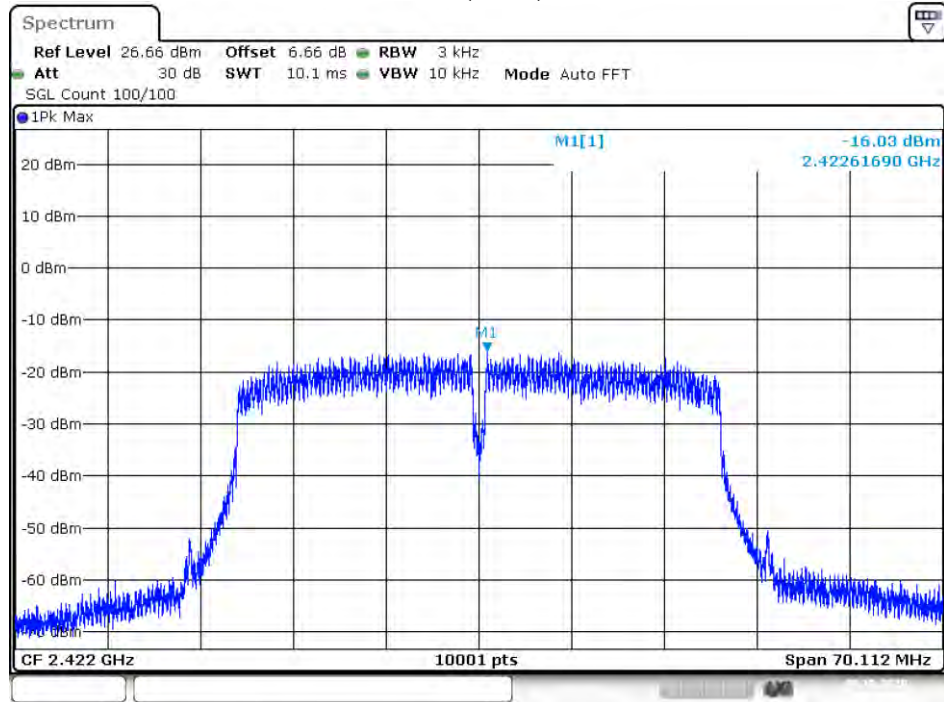
Date: 28.OCT.2020 10:04:12

PSD NVNT 802.11n(HT20) 2462MHz Ant1



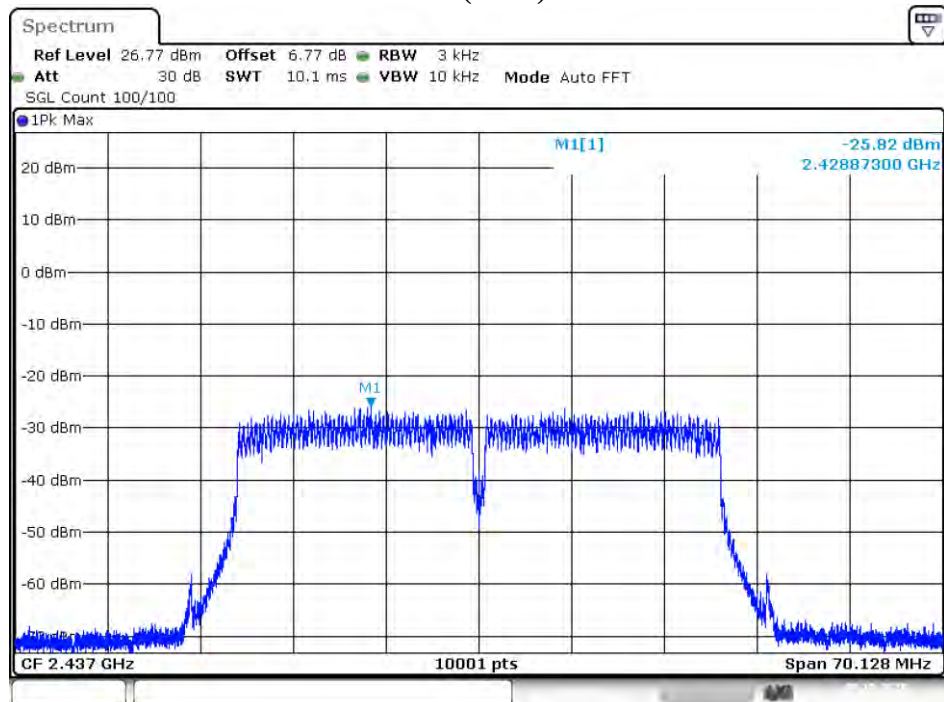
Date: 28.OCT.2020 10:08:57

PSD NVNT 802.11n(HT40) 2422MHz Ant1



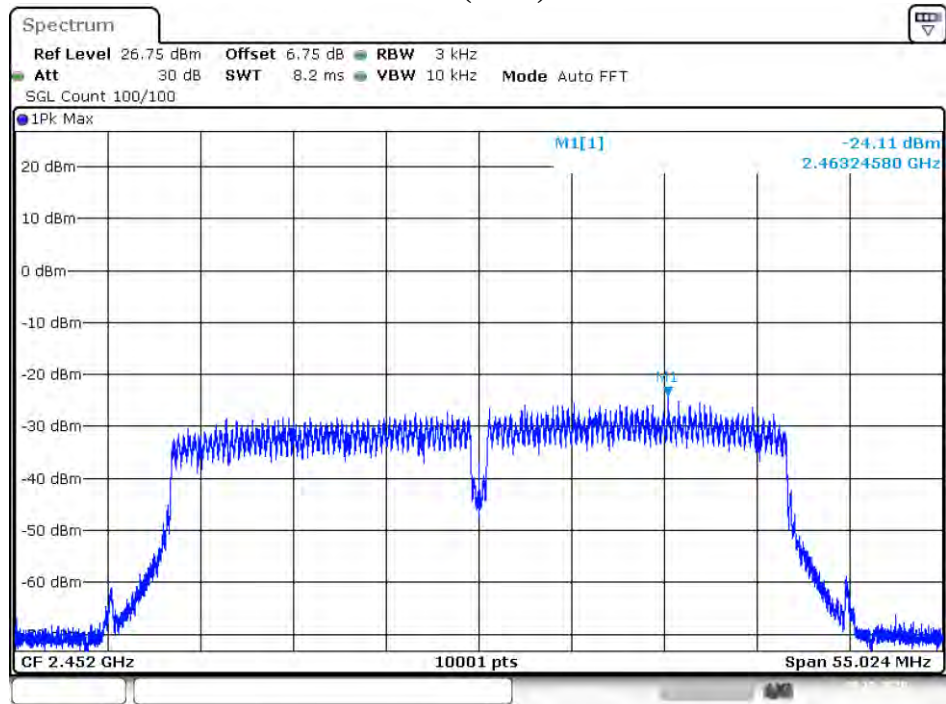
Date: 28.OCT.2020 10:11:59

PSD NVNT 802.11n(HT40) 2437MHz Ant1



Date: 28.OCT.2020 10:15:07

PSD NVNT 802.11n(HT40) 2452MHz Ant1



Date: 28.OCT.2020 10:18:08

7. BANDWIDTH

7.1. Test limits

Please refer RSS-247 & FCC PART 15: 15.247

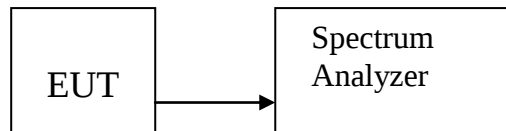
For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

7.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

- a) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.
- b) The test receiver set RBW = 100kHz, VBW $\geq 3 \times$ RBW = 300kHz,, Peak Detector, Sweep time set auto, detail see the test plot.

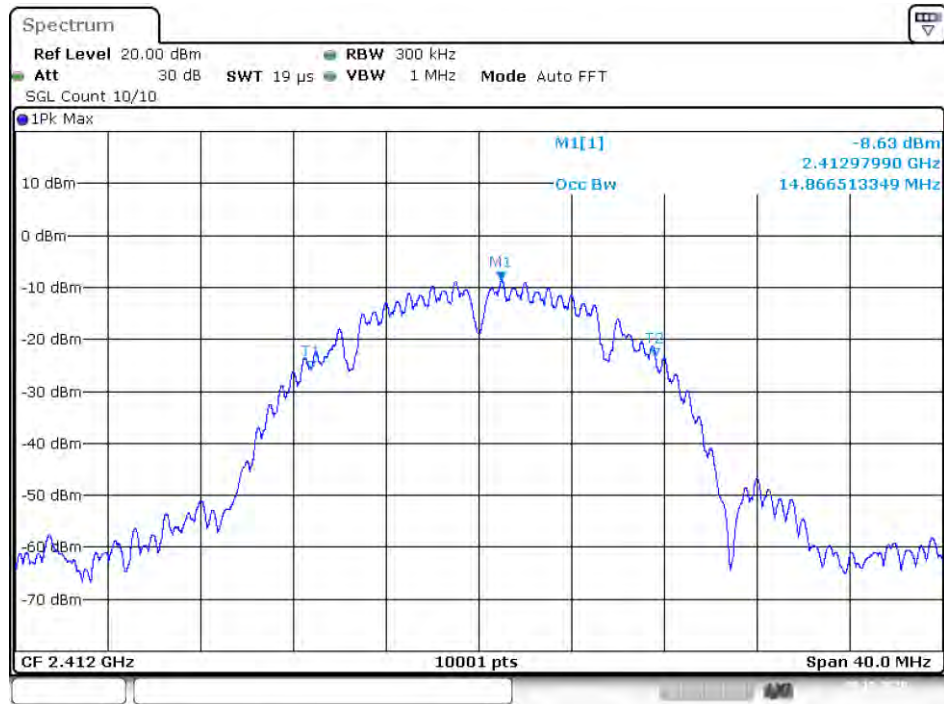
7.3. Test Setup



7.4. Test Results

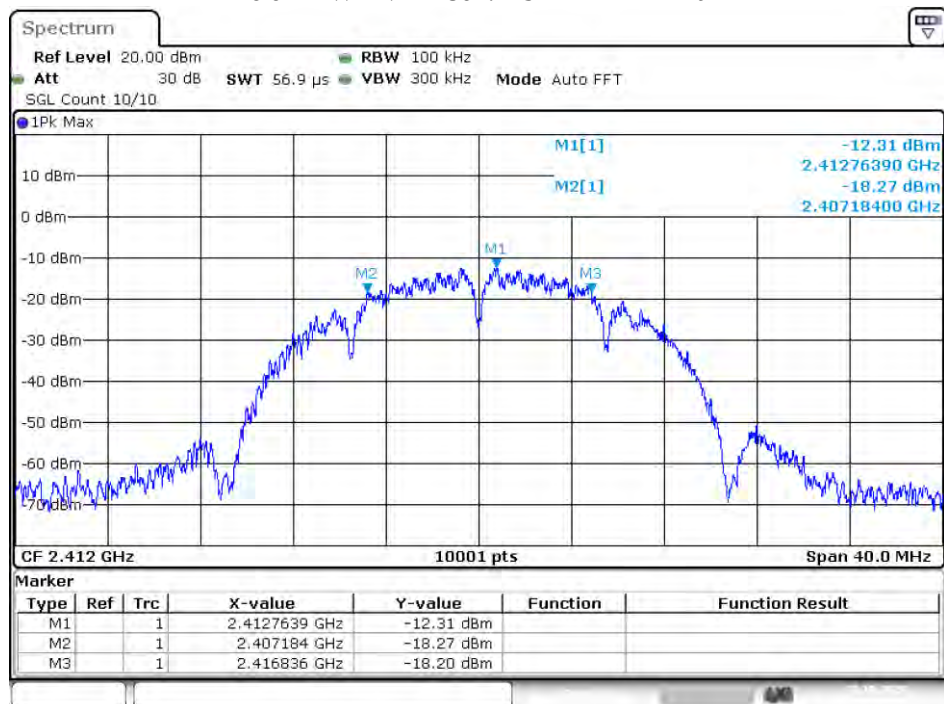
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11b	2412	Ant 1	14.8665	9.652	0.5	Pass
NVNT	802.11b	2437	Ant 1	15.0705	9.784	0.5	Pass
NVNT	802.11b	2462	Ant 1	14.6225	9.636	0.5	Pass
NVNT	802.11g	2412	Ant 1	16.4384	16.44	0.5	Pass
NVNT	802.11g	2437	Ant 1	16.8543	16.344	0.5	Pass
NVNT	802.11g	2462	Ant 1	16.4384	16.488	0.5	Pass
NVNT	802.11n(HT20)	2412	Ant 1	17.6262	17.624	0.5	Pass
NVNT	802.11n(HT20)	2437	Ant 1	17.7582	17.744	0.5	Pass
NVNT	802.11n(HT20)	2462	Ant 1	17.8262	17.288	0.5	Pass
NVNT	802.11n(HT40)	2422	Ant 1	35.8124	35.056	0.5	Pass
NVNT	802.11n(HT40)	2437	Ant 1	36.0764	35.064	0.5	Pass
NVNT	802.11n(HT40)	2452	Ant 1	35.7164	27.512	0.5	Pass

OBW NVNT 802.11b 2412MHz Ant1



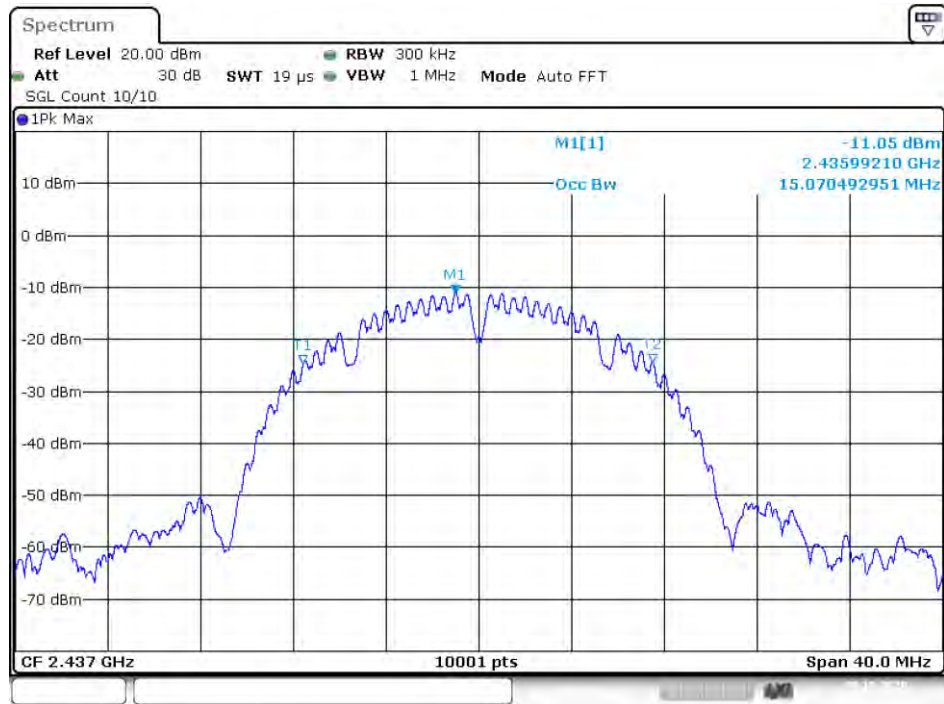
Date: 28.OCT.2020 09:40:26

-6 dB BW NVNT 802.11b 2412MHz Ant1



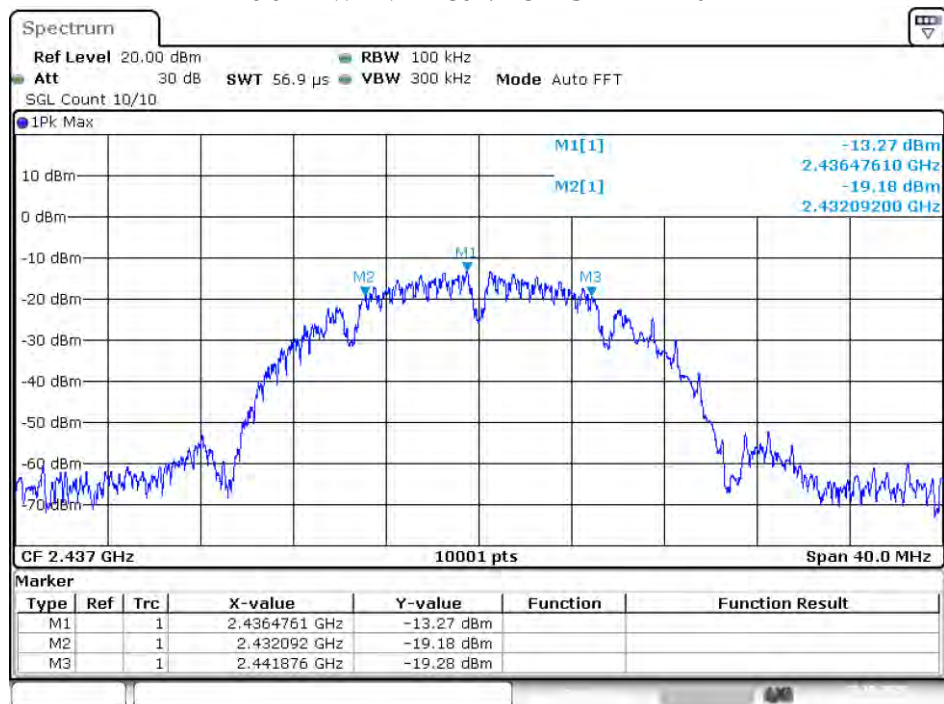
Date: 28.OCT.2020 09:40:29

OBW NVNT 802.11b 2437MHz Ant1



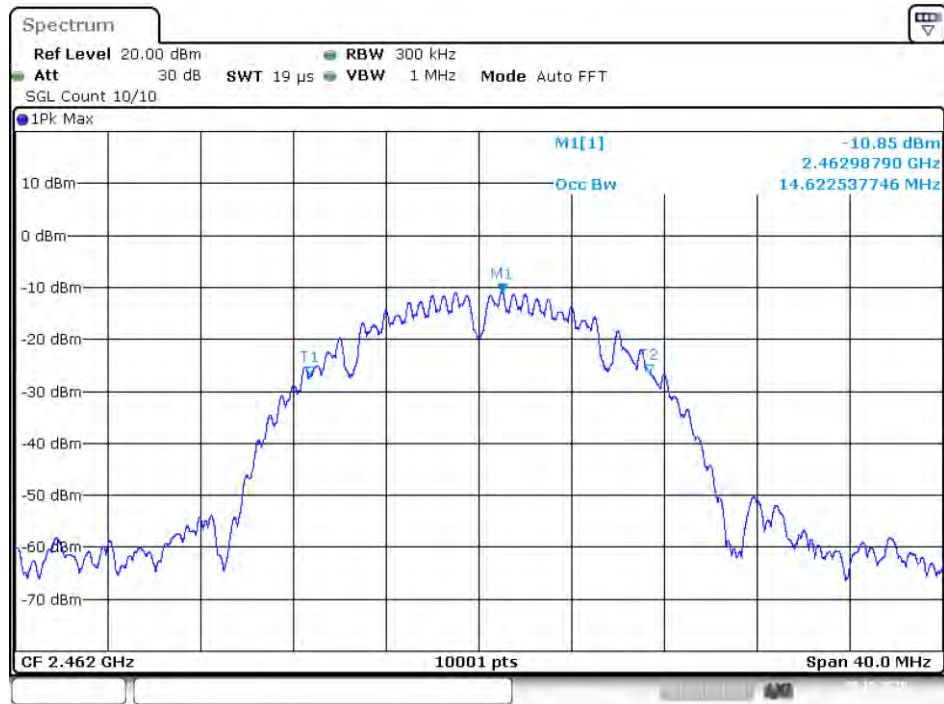
Date: 28.OCT.2020, 09:47:45

-6 dB BW NVNT 802.11b 2437MHz Ant1



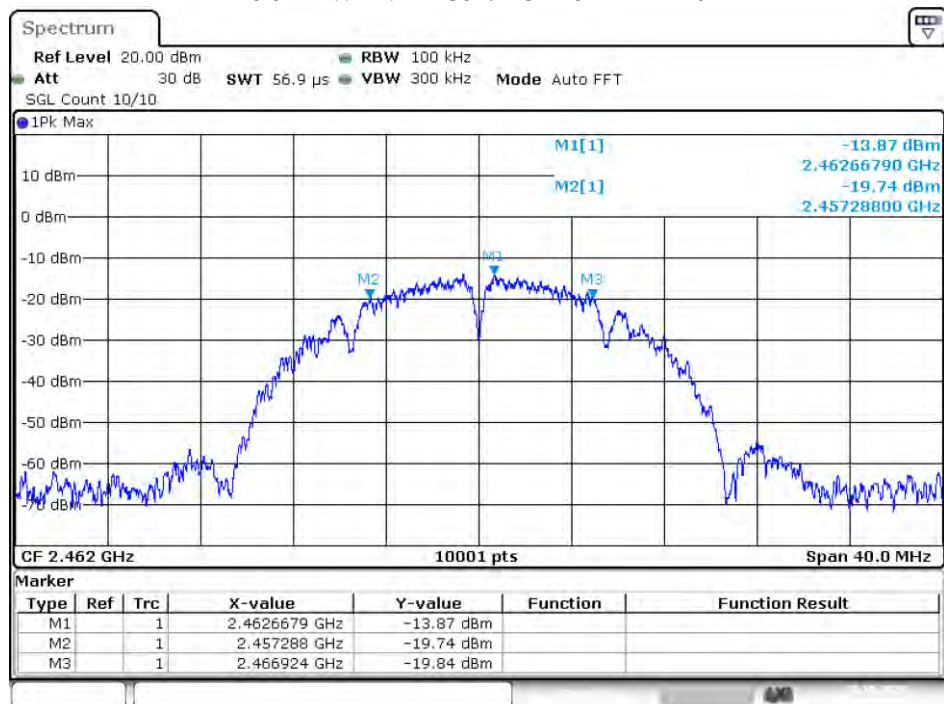
Date: 28.OCT.2020, 09:47:48

OBW NVNT 802.11b 2462MHz Ant1



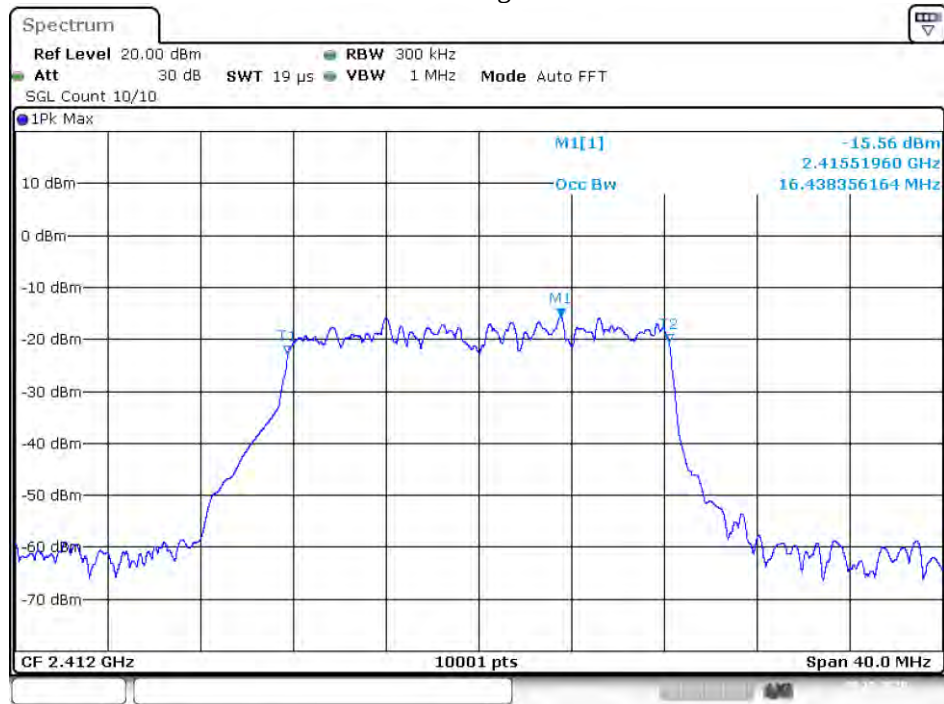
Date: 28.OCT.2020 09:50:06

-6 dB BW NVNT 802.11b 2462MHz Ant1



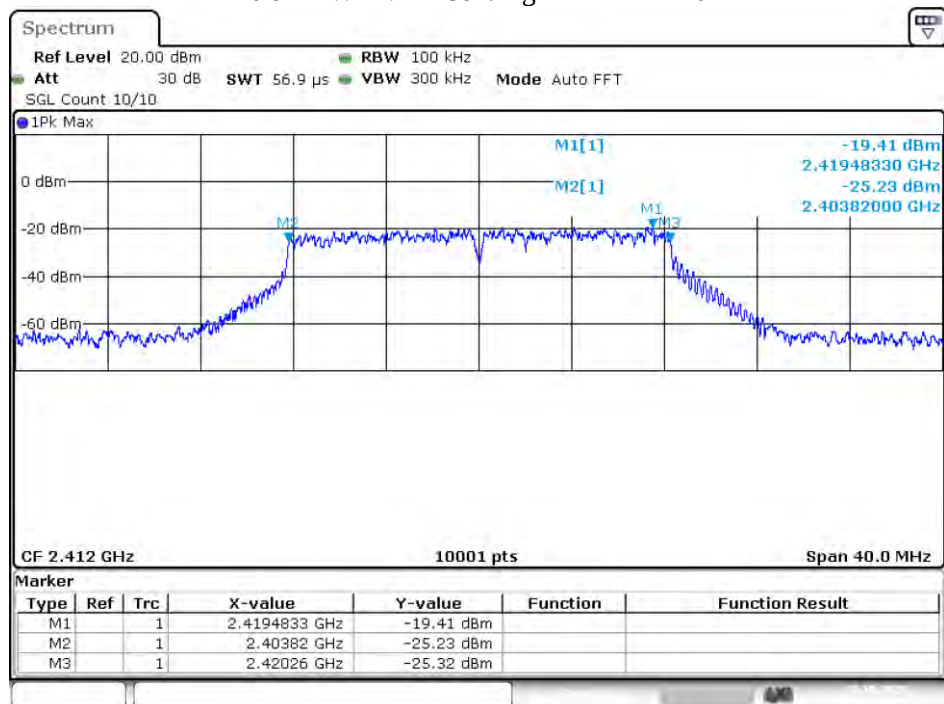
Date: 28.OCT.2020 09:50:09

OBW NVNT 802.11g 2412MHz Ant1



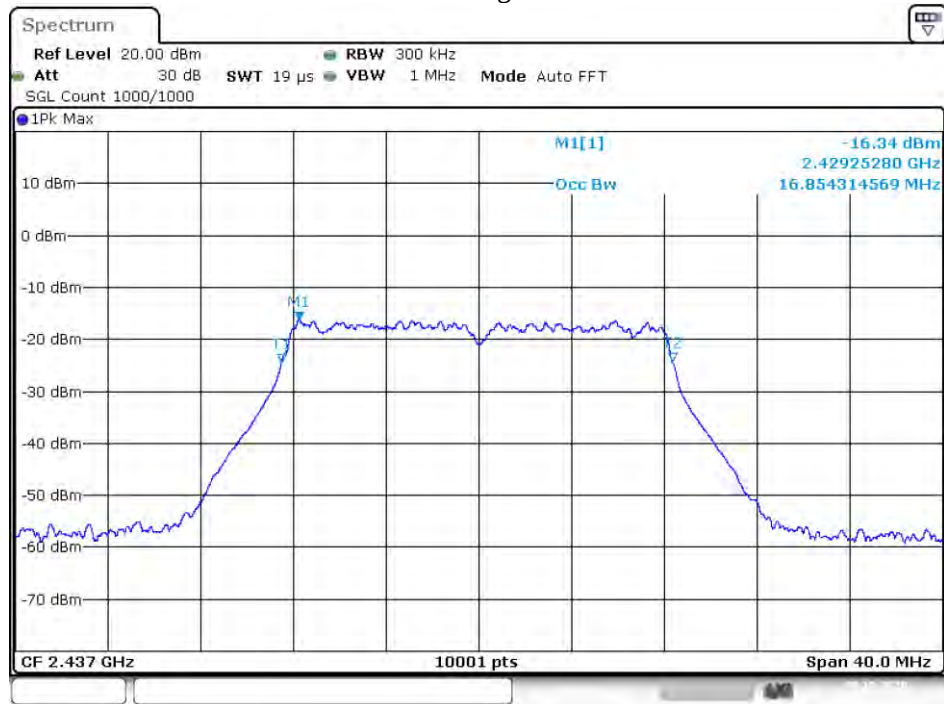
Date: 28.OCT.2020, 09:52:49

-6 dB BW NVNT 802.11g 2412MHz Ant1



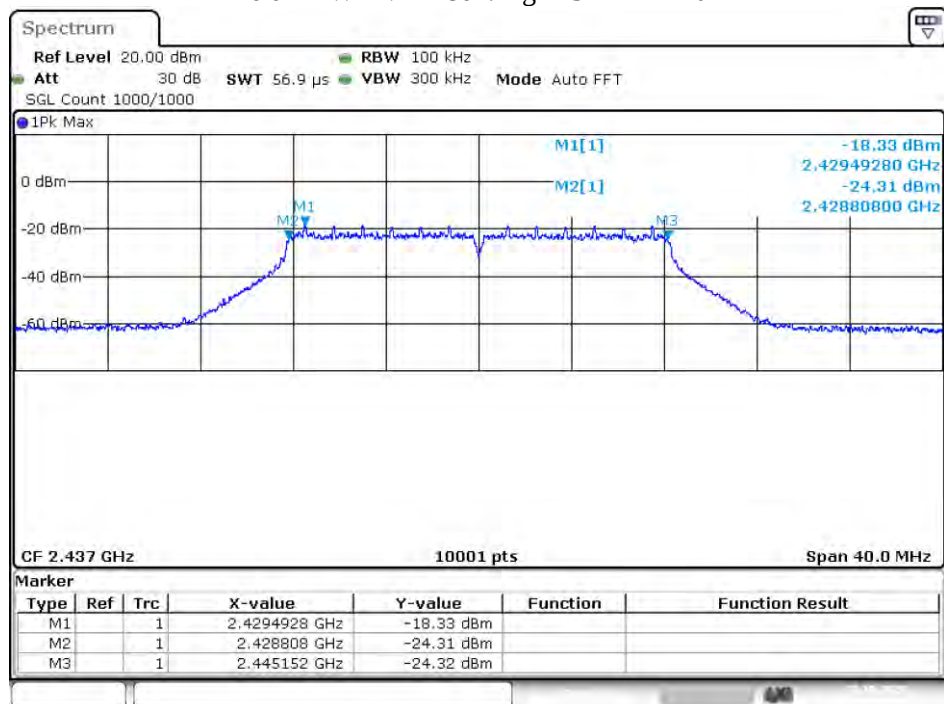
Date: 28.OCT.2020, 09:52:51

OBW NVNT 802.11g 2437MHz Ant1



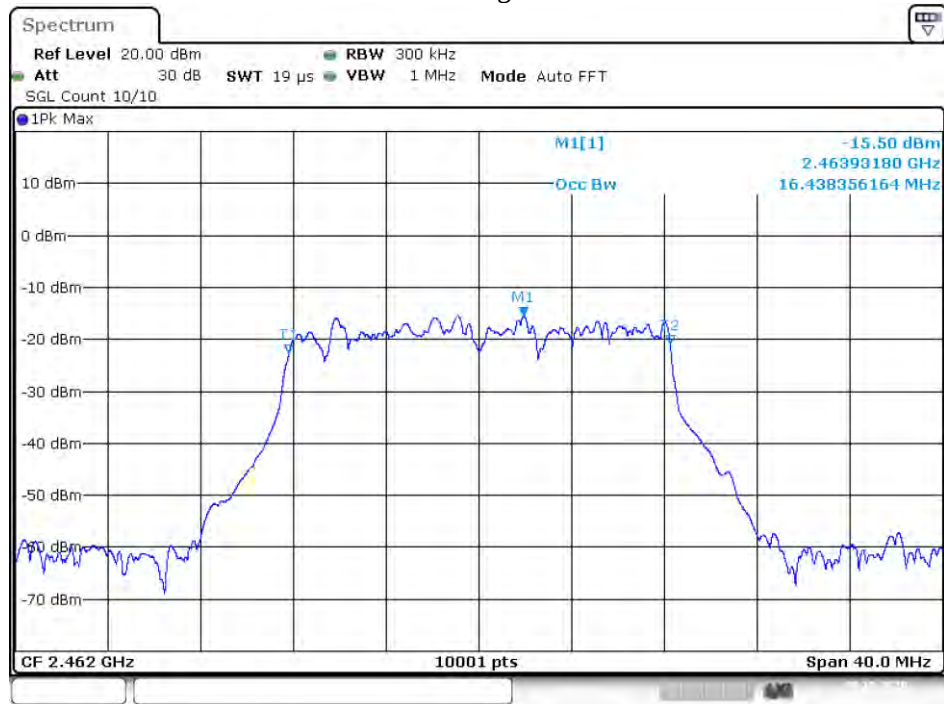
Date: 28.OCT.2020 09:56:11

-6 dB BW NVNT 802.11g 2437MHz Ant1



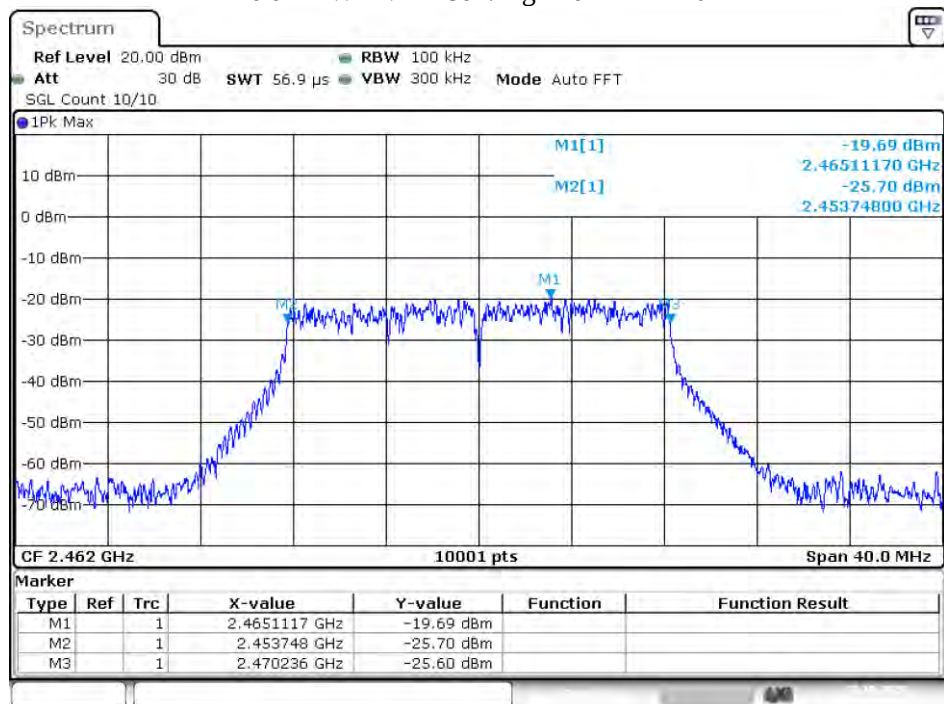
Date: 28.OCT.2020 09:56:33

OBW NVNT 802.11g 2462MHz Ant1



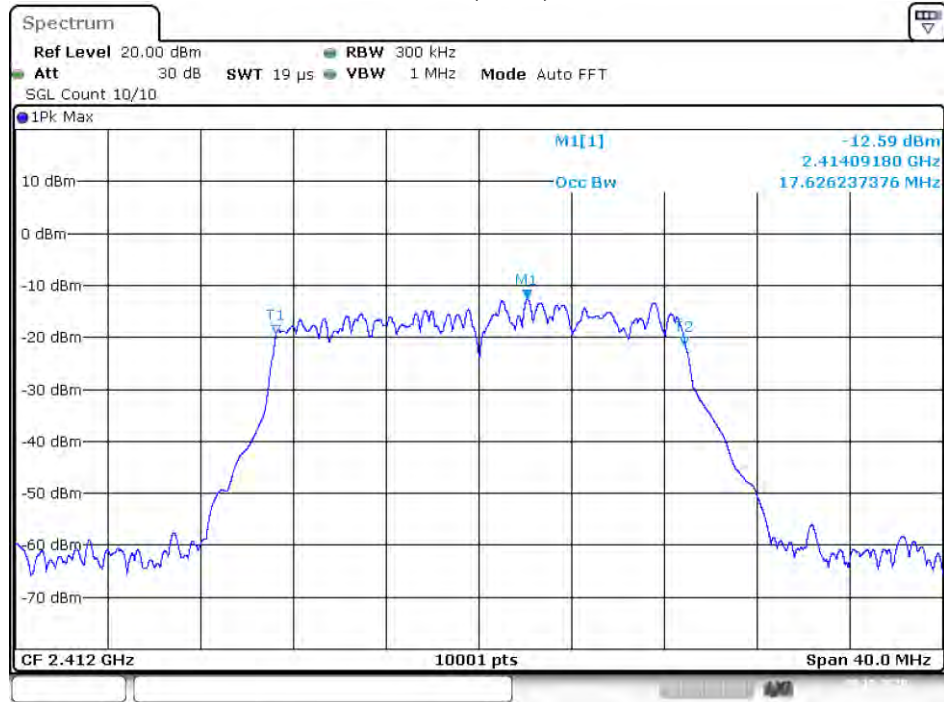
Date: 28.OCT.2020, 09:58:41

-6 dB BW NVNT 802.11g 2462MHz Ant1



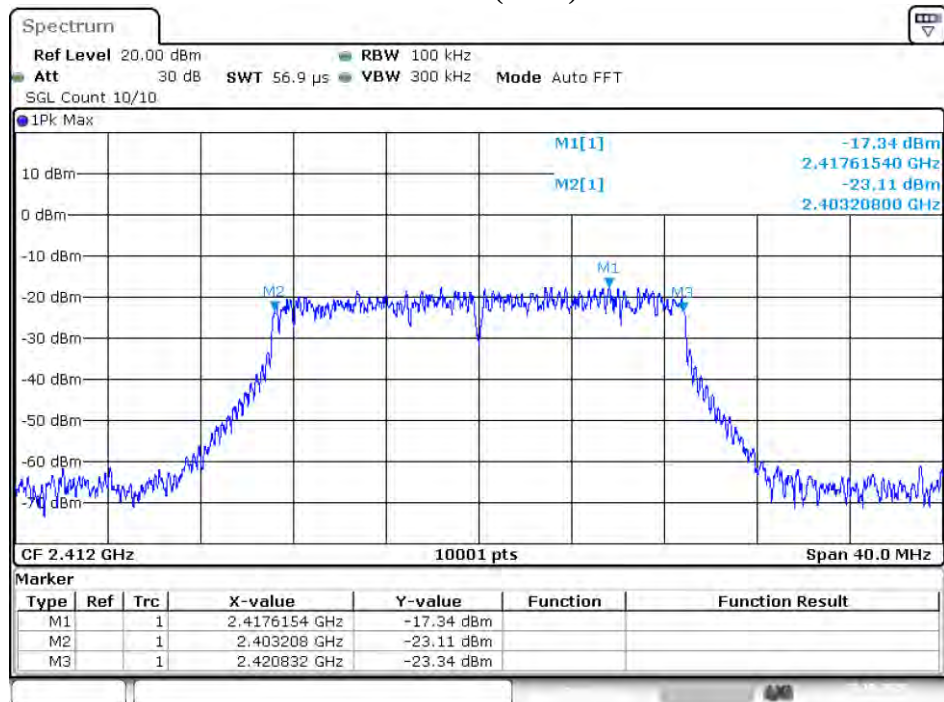
Date: 28.OCT.2020, 09:58:44

OBW NVNT 802.11n(HT20) 2412MHz Ant1



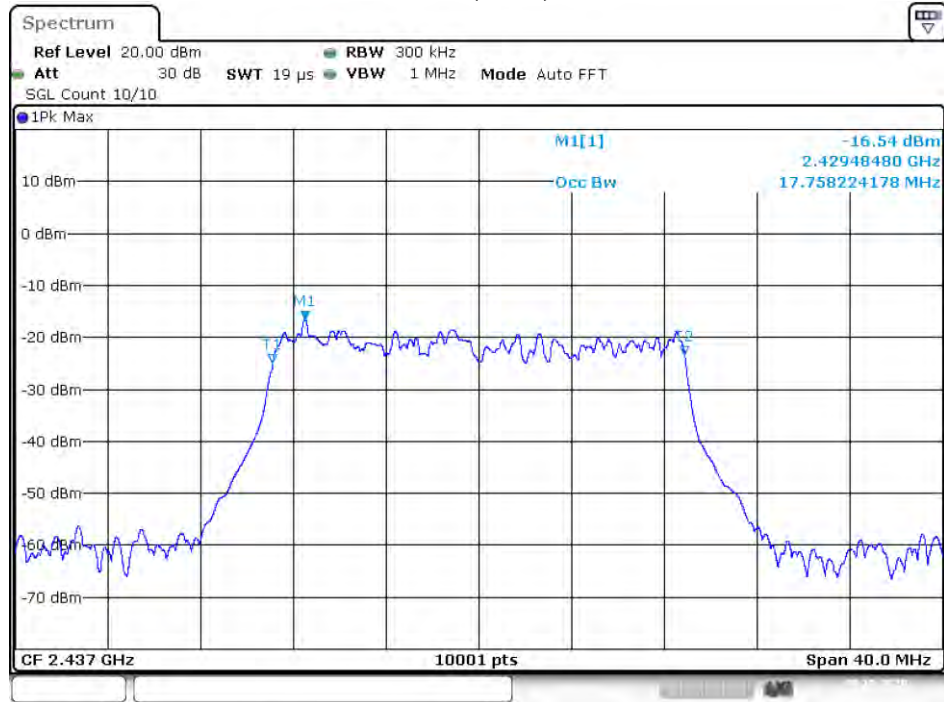
Date: 28.OCT.2020 10:01:07

-6 dB BW NVNT 802.11n(HT20) 2412MHz Ant1



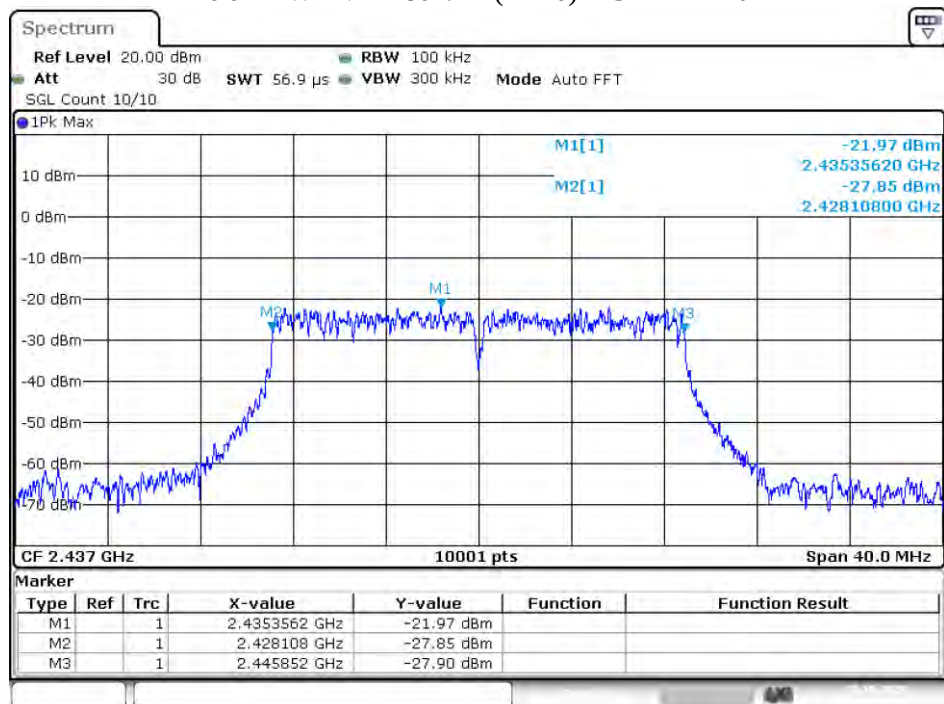
Date: 28.OCT.2020 10:01:09

OBW NVNT 802.11n(HT20) 2437MHz Ant1



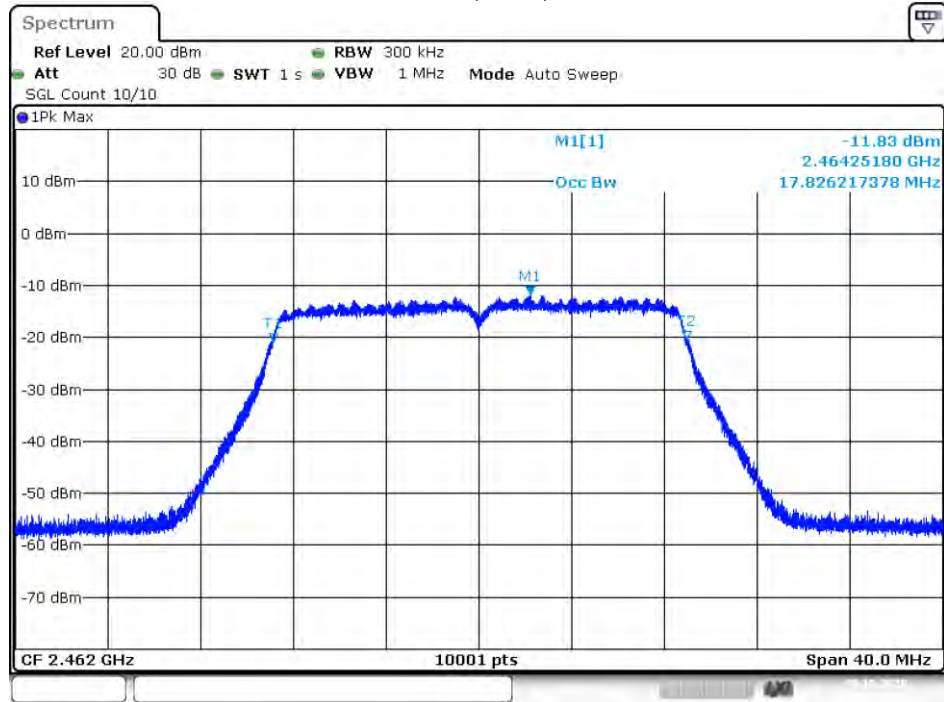
Date: 28.OCT.2020 10:03:54

-6 dB BW NVNT 802.11n(HT20) 2437MHz Ant1



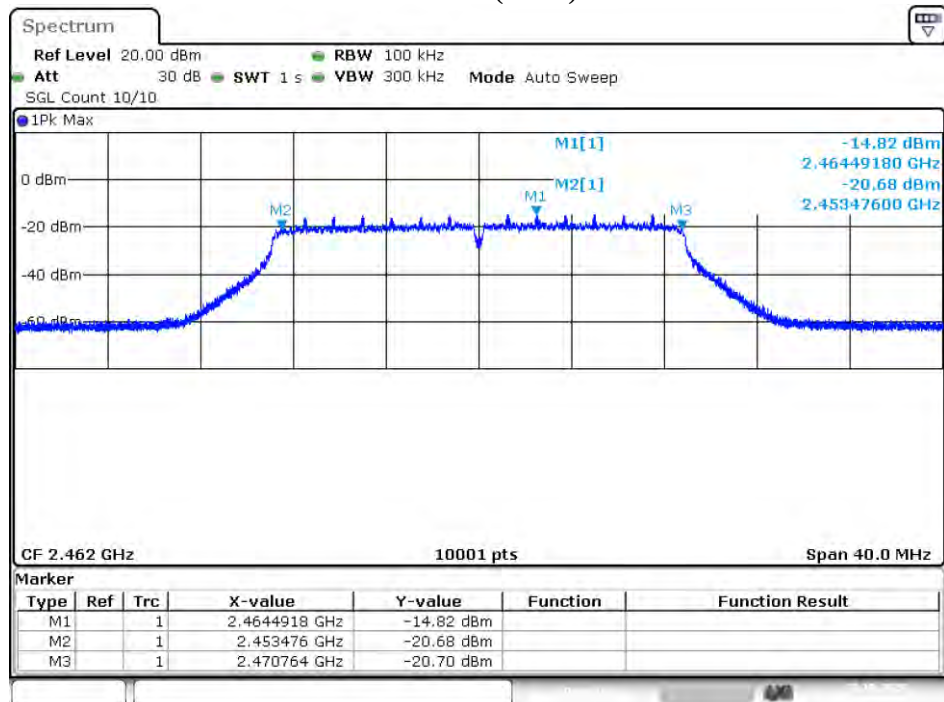
Date: 28.OCT.2020 10:03:57

OBW NVNT 802.11n(HT20) 2462MHz Ant1



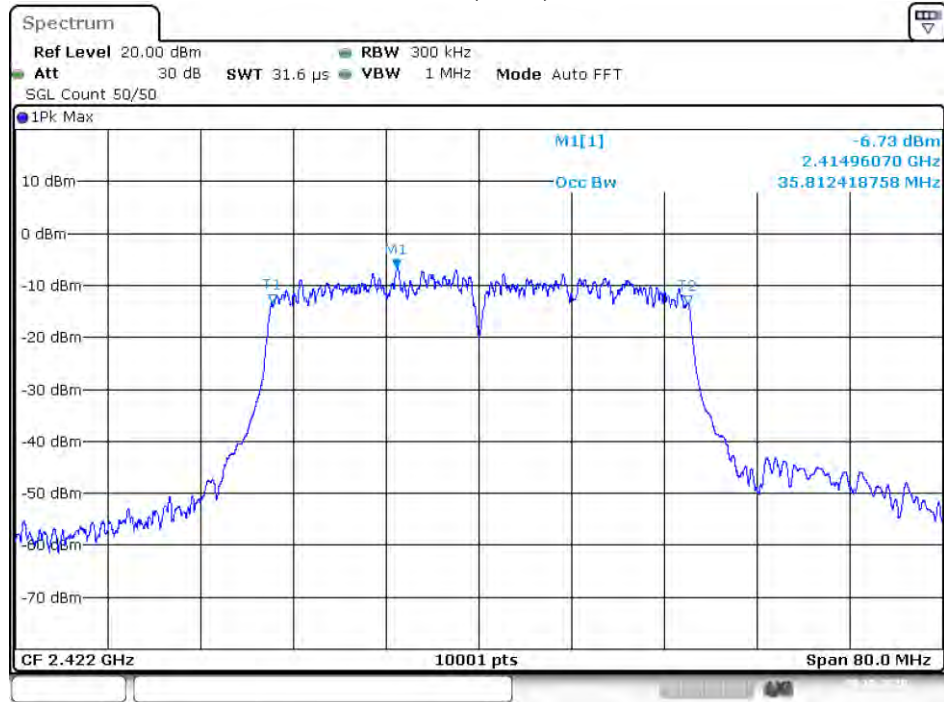
Date: 28.OCT.2020 10:08:27

-6 dB BW NVNT 802.11n(HT20) 2462MHz Ant1



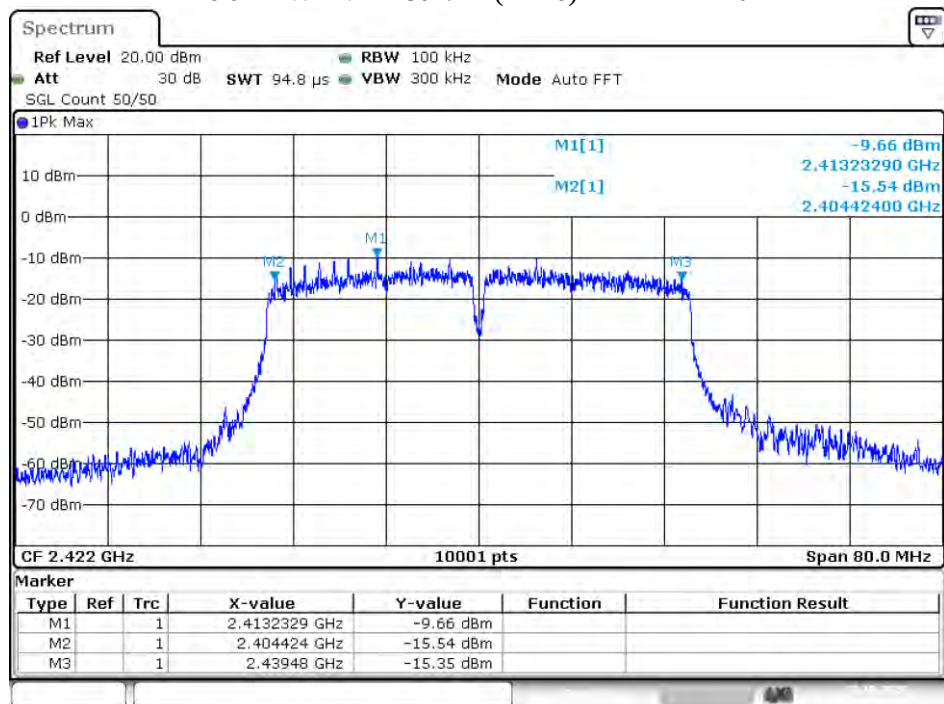
Date: 28.OCT.2020 10:08:41

OBW NVNT 802.11n(HT40) 2422MHz Ant1



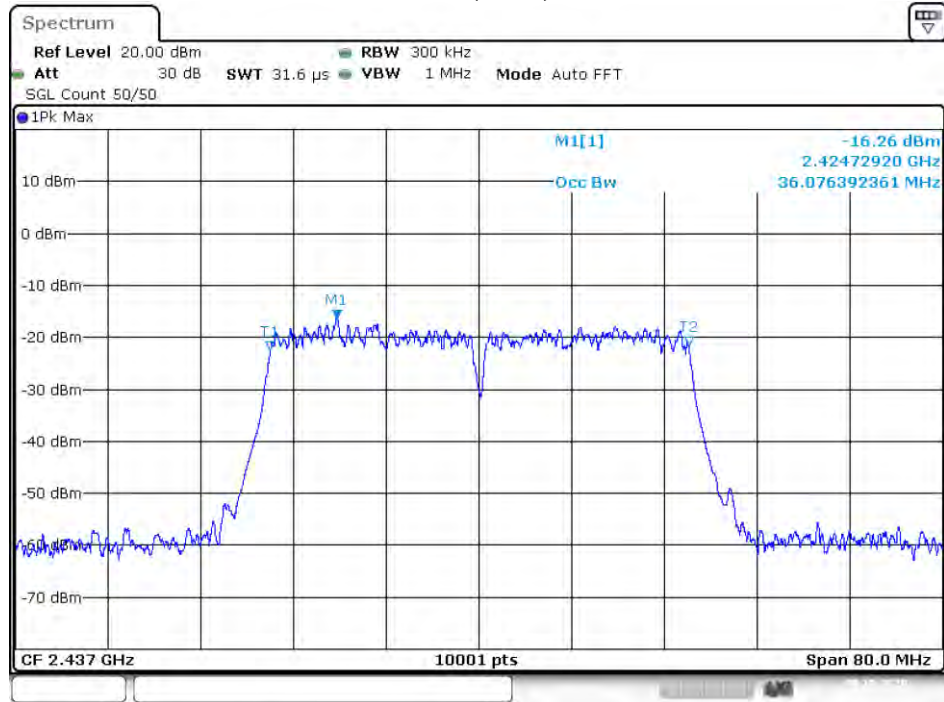
Date: 28.OCT.2020 10:11:35

-6 dB BW NVNT 802.11n(HT40) 2422MHz Ant1



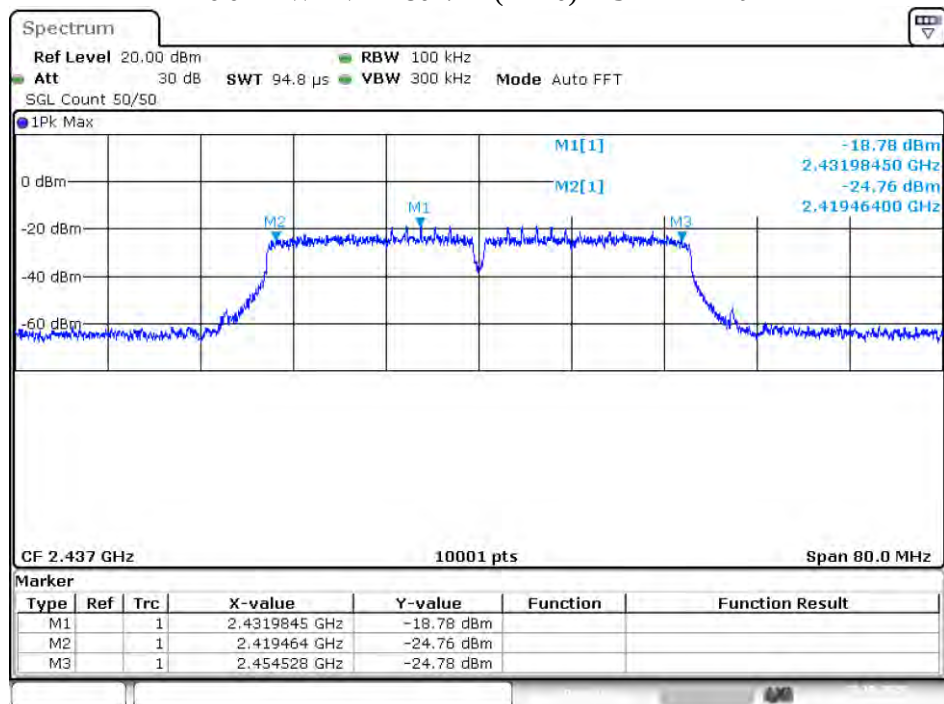
Date: 28.OCT.2020 10:11:39

OBW NVNT 802.11n(HT40) 2437MHz Ant1



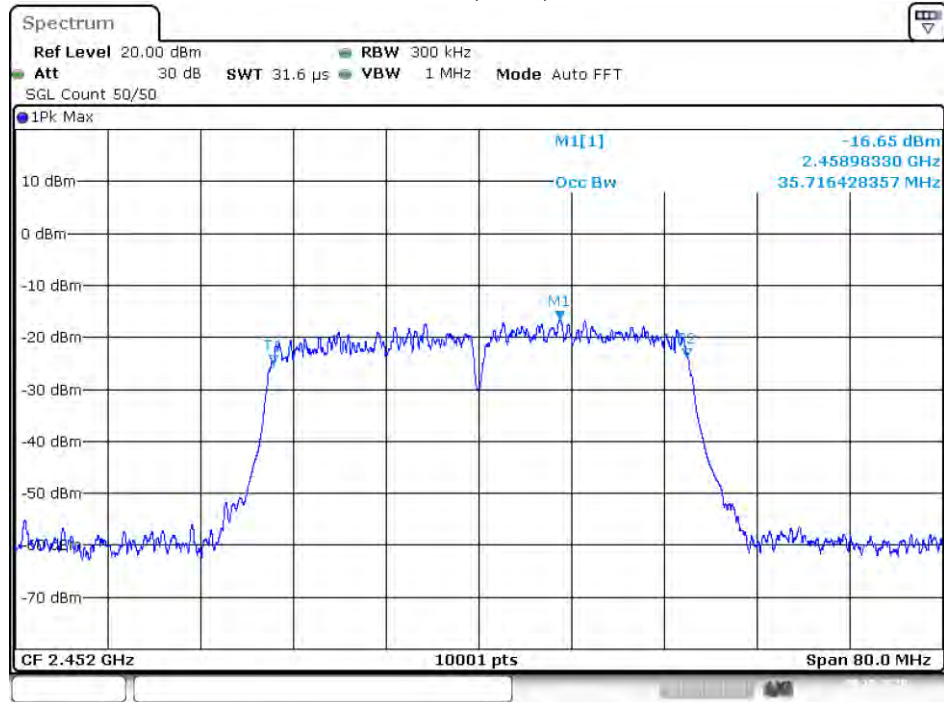
Date: 28.OCT.2020 10:14:42

-6 dB BW NVNT 802.11n(HT40) 2437MHz Ant1



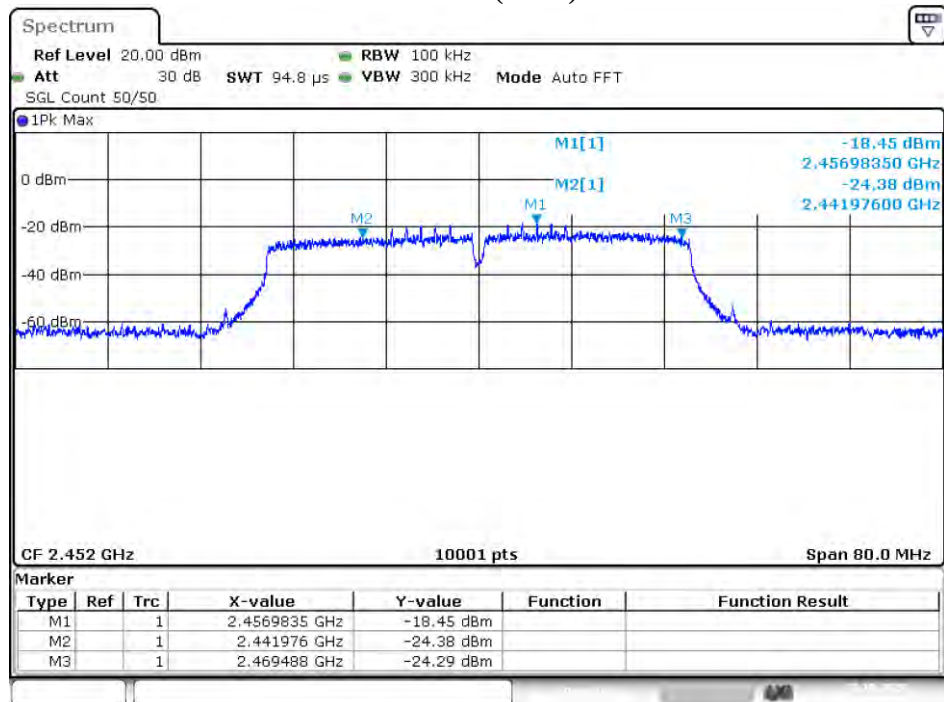
Date: 28.OCT.2020 10:14:46

OBW NVNT 802.11n(HT40) 2452MHz Ant1



Date: 28.OCT.2020 10:17:44

-6 dB BW NVNT 802.11n(HT40) 2452MHz Ant1



Date: 28.OCT.2020 10:17:48

8. BAND EDGE CHECK

8.1. Test limits

Please refer RSS-GEN & FCC PART 15: 15.247

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits and RSS-GEN limits.

8.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

8.2.1 Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

8.2.2 Check the spurious emissions out of band.

8.2.3 RBW 1MHz, VBW 3MHz, peak detector for peak value , RBW 1MHz ,VBW 10Hz , RMS detector for AV value.

8.3. Test Setup

Same as 5.2.2.

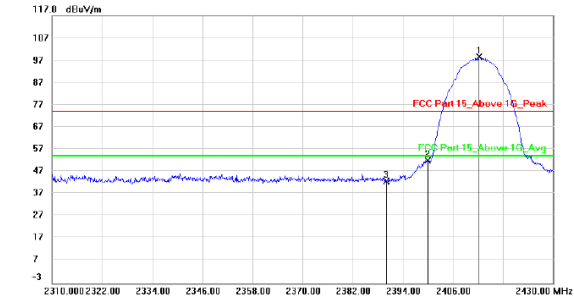
8.4. Test Results

PASS.

Detailed information please see the following page.

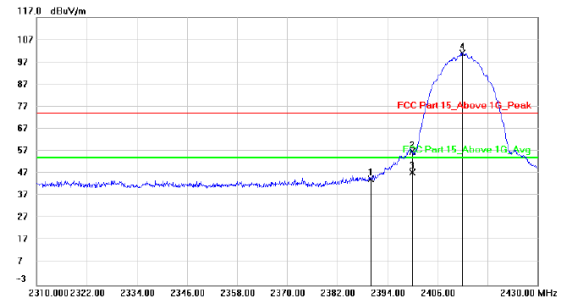
Test Mode: IEEE 802.11b-Low

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2412.360	101.98	-3.40	98.58	74.00	24.58	peak		
2		2400.000	55.44	-3.41	52.03	74.00	-21.97	peak		
3		2390.000	46.20	-3.40	42.80	74.00	-31.20	peak		

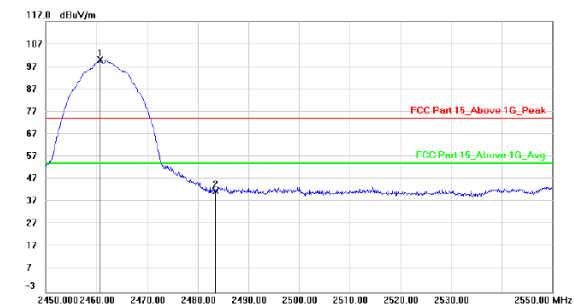
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		2390.000	47.99	-3.40	44.59	74.00	-29.41	peak		
2		2400.000	60.35	-3.41	56.94	74.00	-17.06	peak		
3		2400.000	51.04	-3.41	47.63	54.00	-6.37	AVG		
4	*	2412.000	104.32	-3.40	100.92	74.00	26.92	peak		

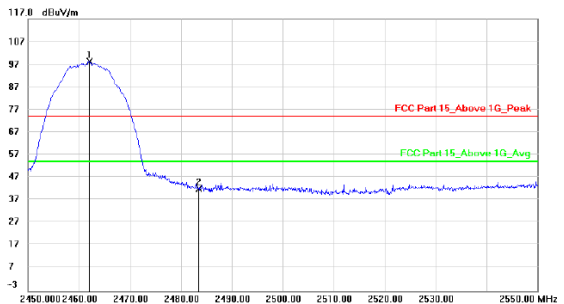
Test Mode: IEEE 802.11b-High

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2460.700	103.29	-3.39	99.90	74.00	25.90	peak		
2		2483.500	45.19	-3.38	41.81	74.00	-32.19	peak		

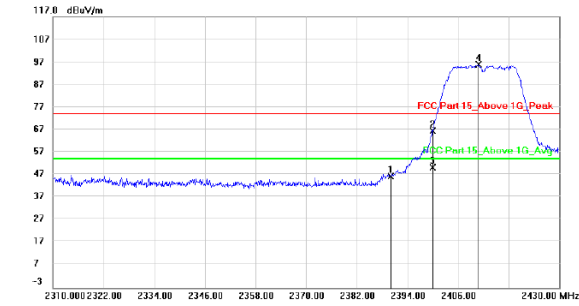
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2462.000	101.53	-3.40	98.13	74.00	24.13	peak		
2		2483.500	45.43	-3.38	42.05	74.00	-31.95	peak		

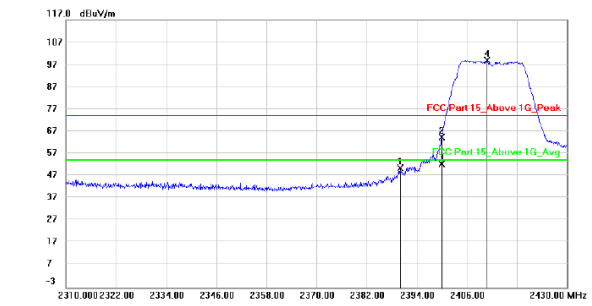
Test Mode: IEEE 802.11g-Low

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		2390.000	49.85	-3.40	46.45	74.00	-27.55			peak
2		2400.000	69.83	-3.41	66.42	74.00	-7.58			peak
3		2400.000	53.77	-3.41	50.36	54.00	-3.64			AVG
4	*	2410.800	99.16	-3.40	95.76	74.00	21.76			peak

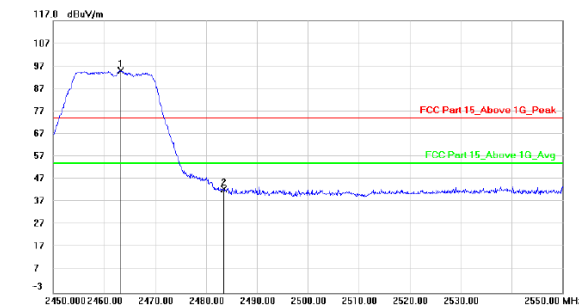
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		2390.000	53.82	-3.40	50.42	74.00	-23.58			peak
2		2400.000	67.68	-3.41	64.27	74.00	-9.73			peak
3		2400.000	55.77	-3.41	52.36	54.00	-1.64			AVG
4	*	2410.920	102.16	-3.40	98.76	74.00	24.76			peak

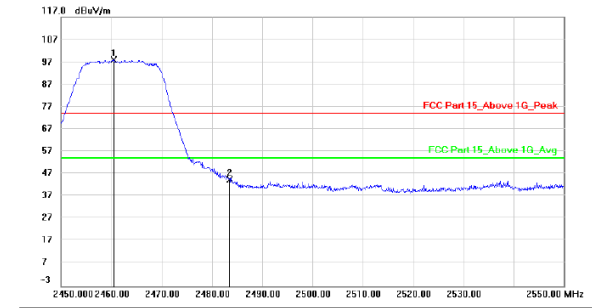
Test Mode: IEEE 802.11g-High

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2463.200	98.48	-3.40	95.08	74.00	21.08			peak
2		2483.500	46.10	-3.38	42.72	74.00	-31.28			peak

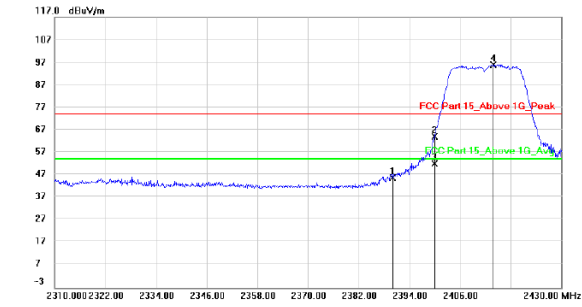
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2460.500	101.22	-3.39	97.83	74.00	23.83			peak
2		2483.500	47.87	-3.38	44.49	74.00	-29.51			peak

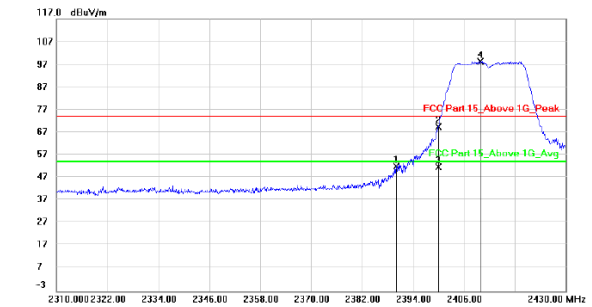
Test Mode: IEEE 802.11n20-Low

Polarization: Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	dBuV	Factor	ment			Height	Degree	Comment
1		2390.000	49.06	-3.40	45.66	74.00	-28.34	peak		
2		2400.000	67.41	-3.41	64.00	74.00	-10.00	peak		
3		2400.000	55.45	-3.41	52.04	54.00	-1.96	AVG		
4	*	2413.920	99.30	-3.41	95.89	74.00	21.89	peak		

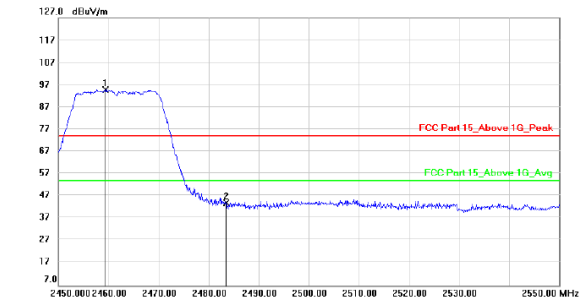
Polarization: Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	dBuV	Factor	ment			Height	Degree	Comment
1		2390.000	55.36	-3.40	51.96	74.00	-22.04	peak		
2		2400.000	72.92	-3.41	69.51	74.00	-4.49	peak		
3		2400.000	55.04	-3.41	51.63	54.00	-2.37	AVG		
4	*	2409.840	101.59	-3.40	98.19	74.00	24.19	peak		

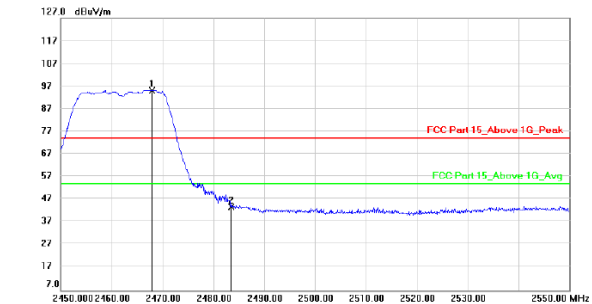
Test Mode: IEEE 802.11n20-High

Polarization: Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	dBuV	Factor	ment			Height	Degree	Comment
1	*	2469.400	98.08	-3.39	94.69	74.00	20.69	peak		
2		2483.500	47.57	-3.38	44.19	74.00	-29.81	peak		

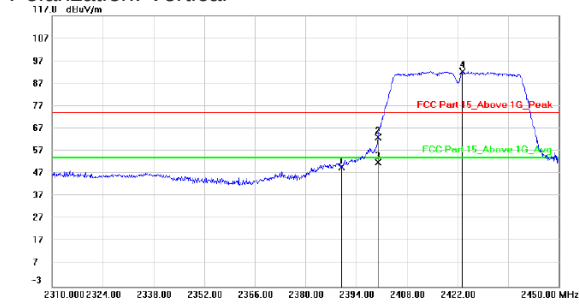
Polarization: Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	dBuV	Factor	ment			Height	Degree	Comment
1	*	2467.900	98.58	-3.39	95.19	74.00	21.19	peak		
2		2483.500	47.08	-3.38	43.70	74.00	-30.30	peak		

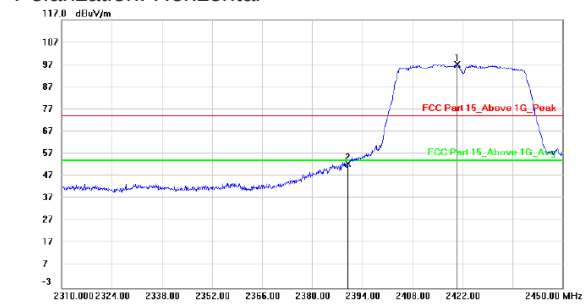
Test Mode: IEEE 802.11n40-Low

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		2390.000	53.28	-3.40	49.88	74.00	-24.12	peak		
2		2400.000	66.57	-3.41	63.16	74.00	-10.84	peak		
3		2400.000	55.55	-3.41	52.14	54.00	-1.86	AVG		
4	*	2423.400	95.57	-3.40	92.17	74.00	18.17	peak		

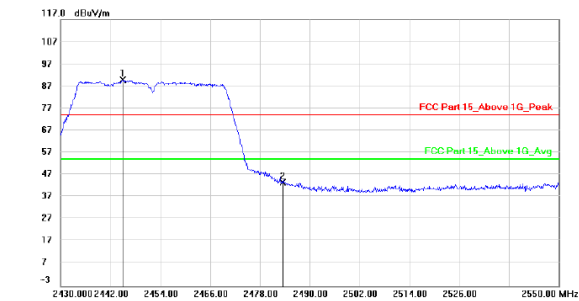
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2420.600	100.58	-3.41	97.17	74.00	23.17	peak		
2		2390.000	55.92	-3.40	52.52	74.00	-21.48	peak		

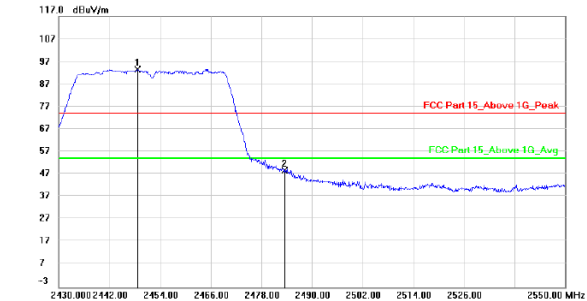
Test Mode: IEEE 802.11n40-High

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2445.000	93.12	-3.40	89.72	74.00	15.72	peak		
2		2483.500	47.01	-3.38	43.63	74.00	-30.37	peak		

Polarization: Horizontal



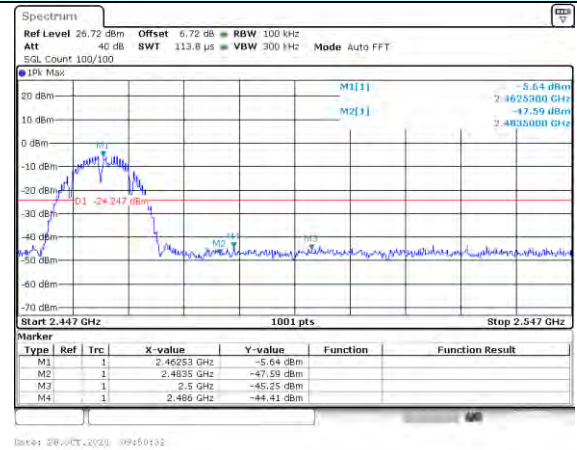
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	2448.600	96.71	-3.40	93.31	74.00	19.31	peak		
2		2483.500	52.03	-3.38	48.65	74.00	-25.35	peak		

Note: 1. *:Maximum data; x:Over limit; !:over margin.
 2. Measurement=Reading Level + Correct Factor; Correct Factor=Antenna Factor + Cable Loss.

Test mode: 802.11b

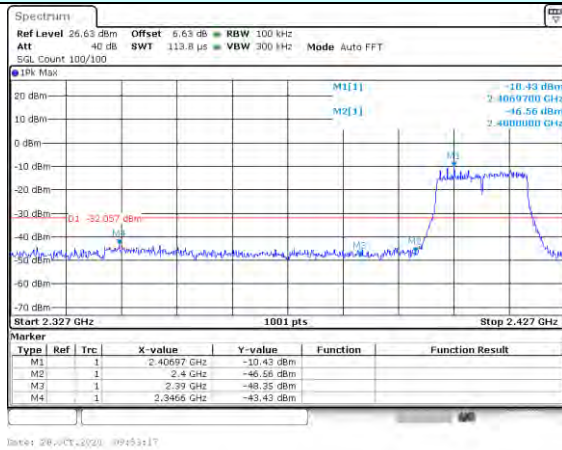


Lowest channel

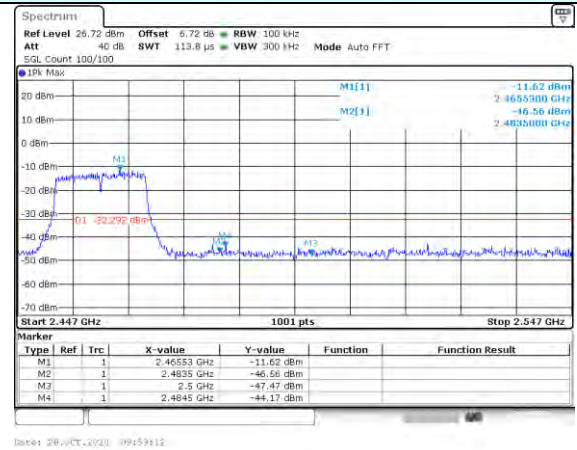


Highest channel

Test mode: 802.11g

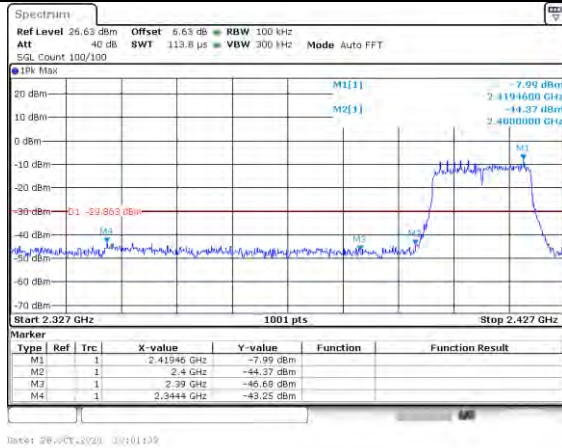


Lowest channel

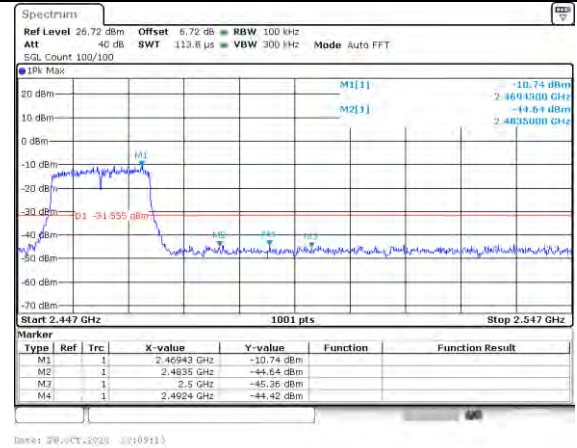


Highest channel

Test mode: 802.11n(HT20)

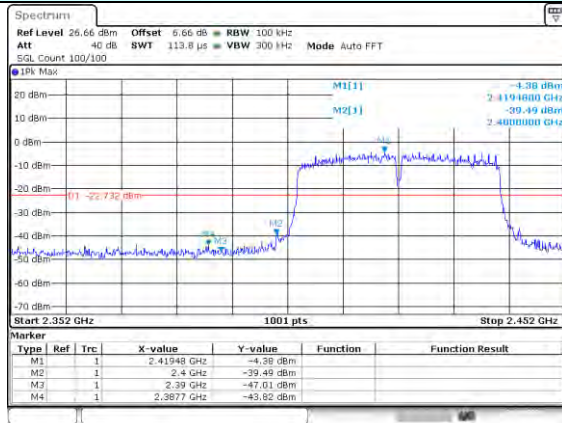


Lowest channel

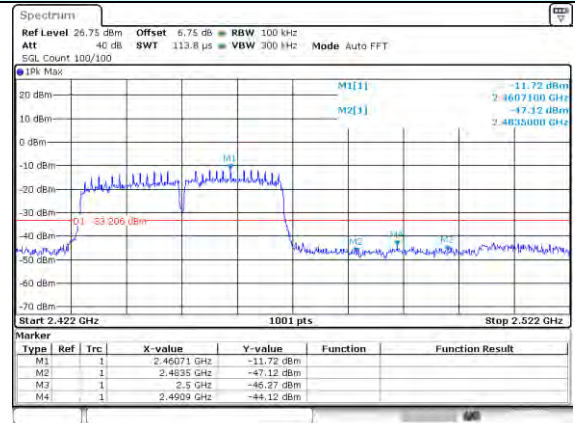


Highest channel

Test mode: 802.11n(HT40)



Lowest channel



Highest channel

9. FREQUENCY STABILITY

9.1. Test limit

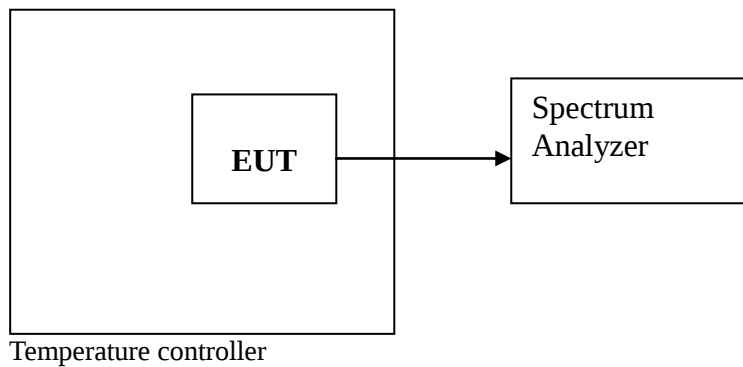
Please refer section RSS-Gen.

Regulation RSS-Gen If the frequency stability of the licence-exempt radio apparatus is not specified in the applicable RSS, the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation. In addition, its occupied bandwidth shall be entirely outside the restricted bands and the prohibited TV bands of 54-72 MHz, 76-88 MHz, 174-216 MHz, and 470-602 MHz, unless otherwise indicated.

9.2. Test Procedure

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.3. Test Setup



9.4. Test Results

Not applicable.

10.ANTENNA REQUIREMENT

10.1.Standard Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2.Antenna Connected Construction

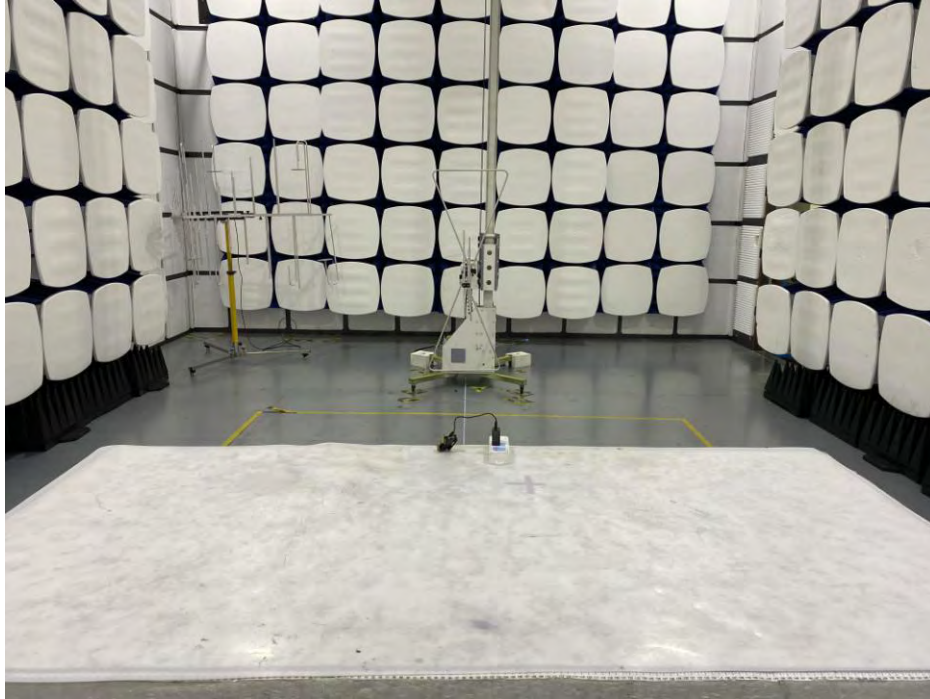
The antenna connector is unique antenna and no consideration of replacement. Please see EUT photo for details.

10.3.Results

The EUT antenna is integrated antenna. It complies with the standard requirement.

11. TEST SETUP PHOTO

Photos of Radiated emission

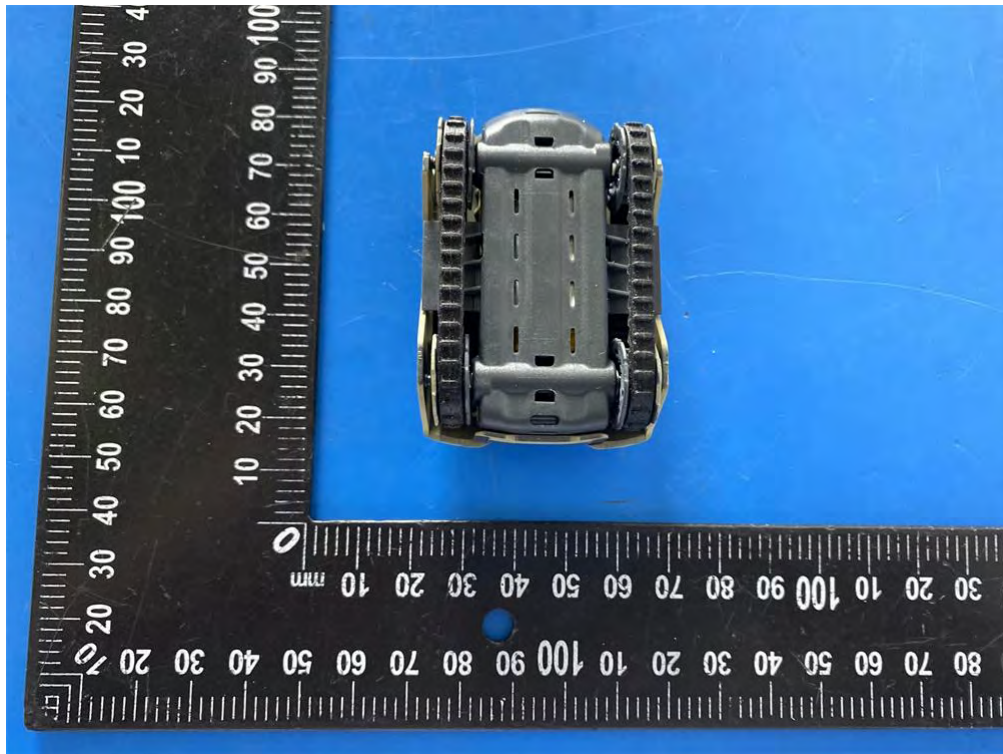


Photos of Power Line Conducted Emission Test



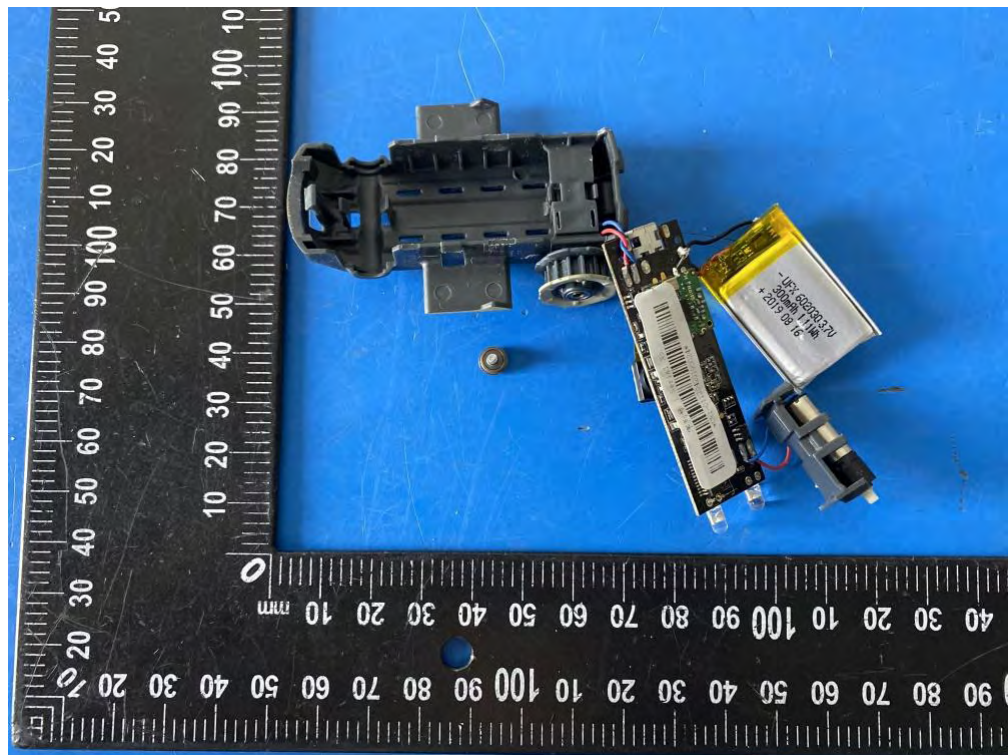
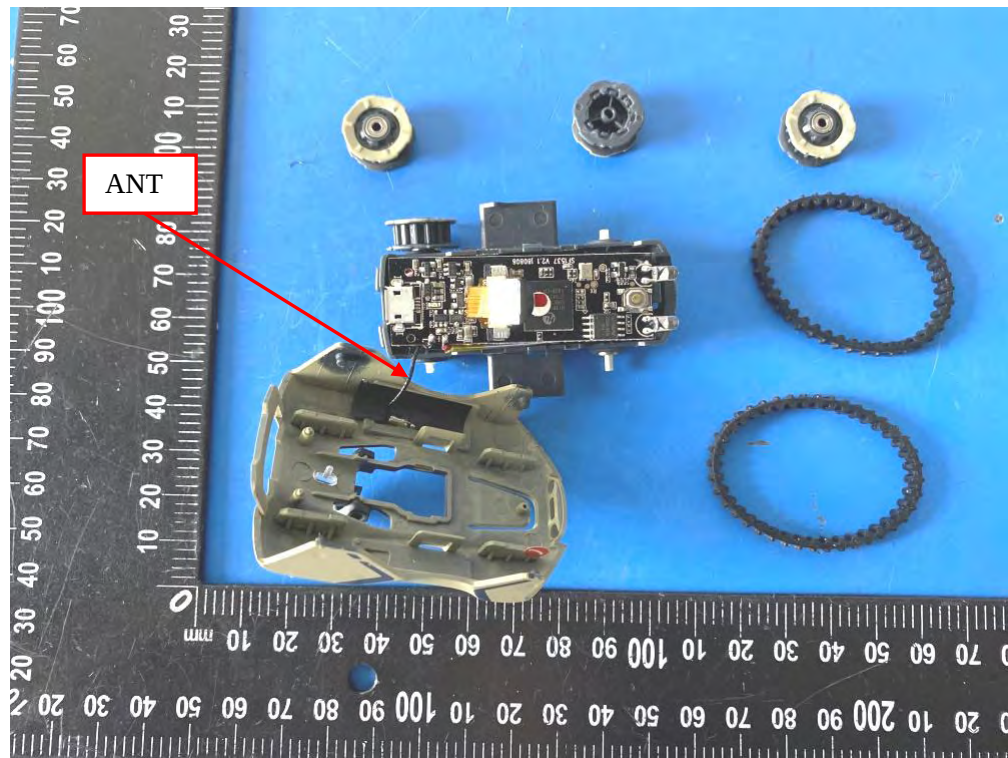
12. PHOTOS OF EUT

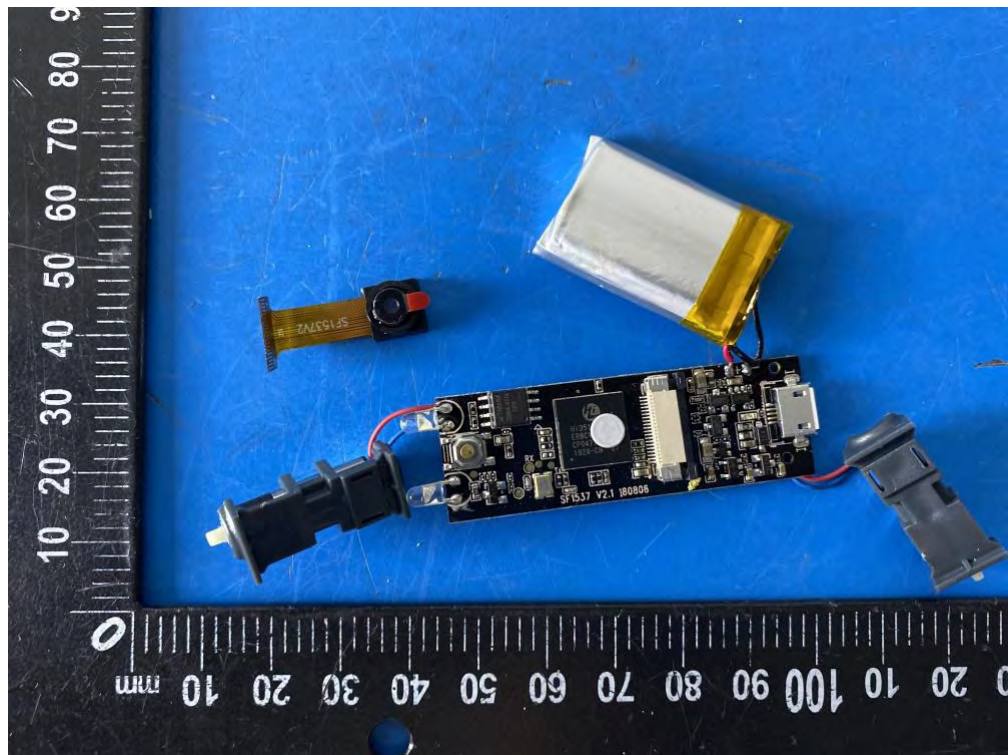
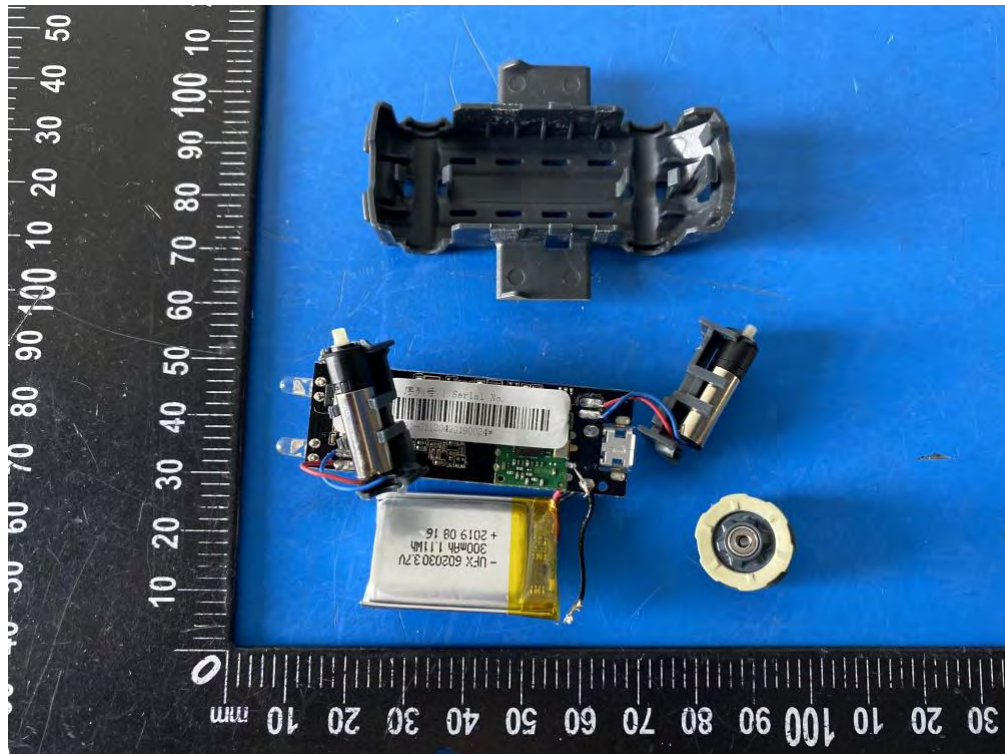


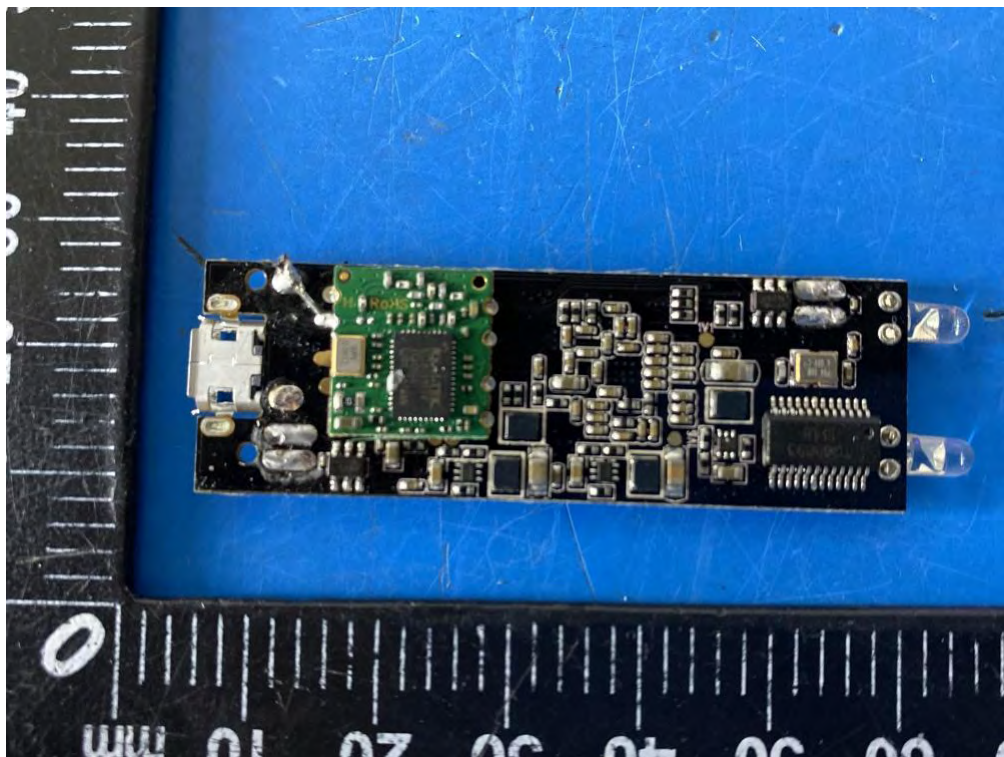
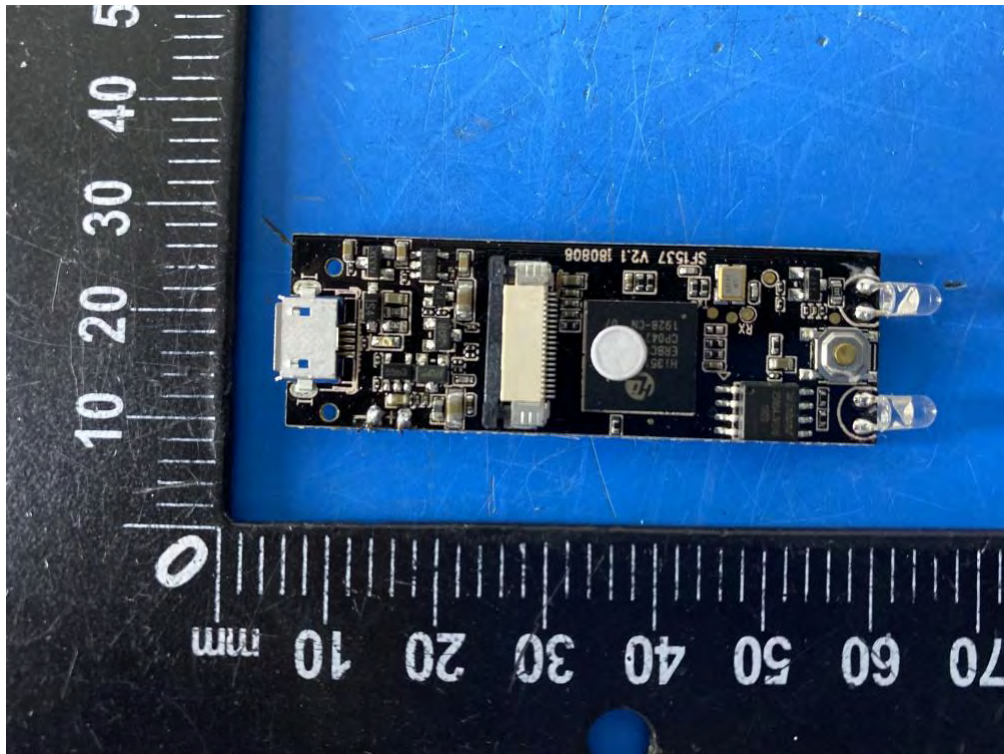


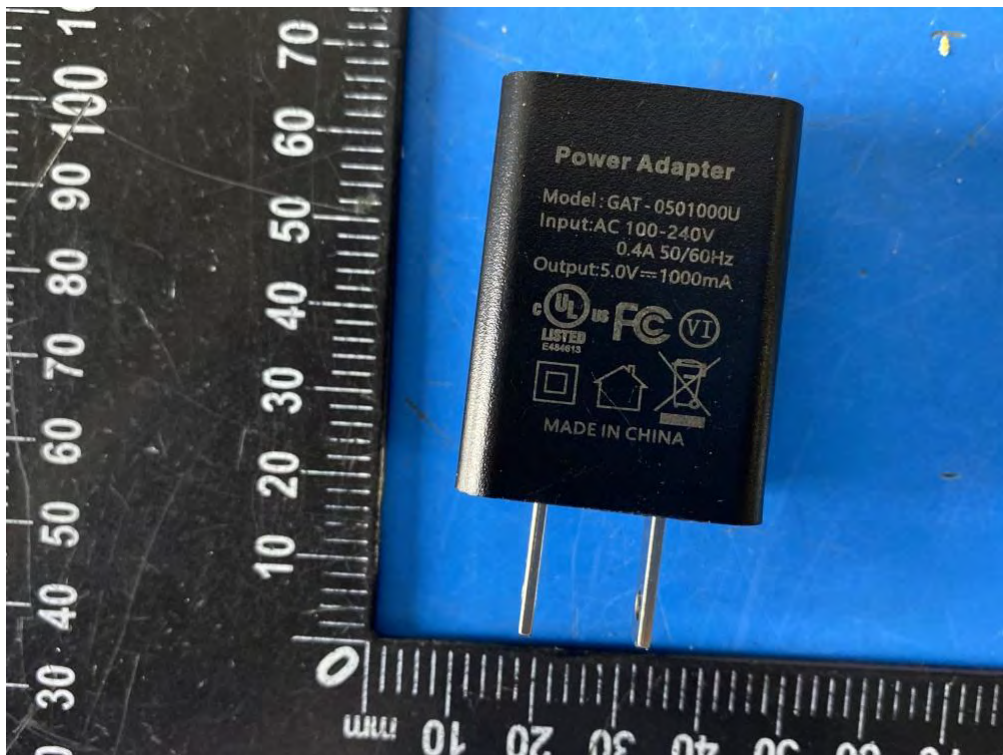
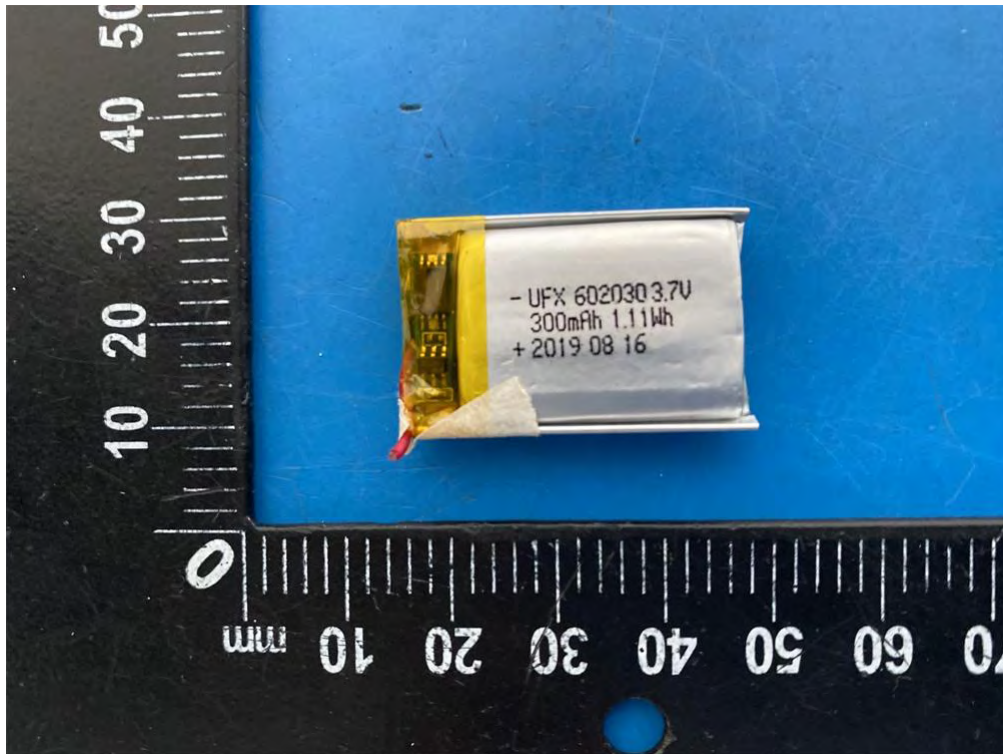












-----THE END OF REPORT-----