



RF MEASUREMENT REPORT

FCC ID: YY3-14249P
Applicant: Handheld Group AB
Product: Nautiz X9
Model No.: NX9V2-RF1-AS0, NX9V2-RF1-A00
Brand Name: Handheld
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Test Date: October 12 ~ November 23, 2021

Reviewed By:



Kevin Guo

Approved By:



Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

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Revision History

Report No.	Version	Description	Issue Date	Note
2109RSU034-U1	Rev. 01	Initial Report	11-26-2021	

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1. General Information

1.1. Applicant

Handheld Group AB
Strandgatan 40 531 30 LIDKÖPING Sweden

1.2. Manufacturer

Handheld Group AB
Strandgatan 40 531 30 LIDKÖPING Sweden

1.3. Testing Facility

☐	Test Site – MRT Suzhou Laboratory Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☒	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: L3261-190725 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	Nautiz X9
Model No.	NX9V2-RF1-AS0, NX9V2-RF1-A00
Brand Name	Handheld
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Version	Bluetooth v5.0 Dual Mode
Wi-Fi Specification	802.11a/b/g/n/ac
GSM Bands	GSM850 / 1900
WCDMA Bands	Band II / IV / V
LTE Bands	FDD Band: 2, 4, 5, 12, 17 TDD Band: 41
NFC Specification	13.56MHz
GNSS Specification	GPS / GLONASS / Beidou / Galileo
Software version	V000.06.00
Hardware version	DVT
Antenna Information	Refer to section 1.7
IMEI No.	Conducted Measurement: 358591250000136 Radiated Measurement: 35859125000698
Accessories	
Adapter	Model: PSAF10R-050Q Input: 100-240V~0.3A 50~60Hz Output: DC 5V, 2.0A
Battery	M/N: NX9V2-1004 Capacity: 4800mAh 18.24Wh Rated Voltage: DC 3.8V
Micro USB Cable	Length: Shielded, 1.0m
Remark:	
1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

Note:

1. Model Difference Description (declared by the manufacturer)

Model Number	Model Difference	Note
NX9V2-RF1-AS0	Support Barcode	--
NX9V2-RF1-A00	Not Barcode	Remove barcode hardware

2. The difference does not affect the RF test result, so we selected NX9V2-RF1-AS0 for all RF testing.

1.5. Radio Specification

Frequency Range	802.11b/g/n-HT20: 2412 ~ 2462MHz 802.11n-HT40: 2422 ~ 2452MHz
Channel Number	802.11b/g/n-HT20: 11 802.11n-HT40: 7
Type of Modulation	802.11b: DSSS 802.11g/n: OFDM
Data Rate	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps

Note: For other features of this EUT, test report will be issued separately.

1.6. Working Frequencies

802.11b/g/n-HT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz
06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	--	--	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	T _x Paths	Max Antenna Gain (dBi)
Wi-Fi and Bluetooth			
FPC Antenna	2400 ~ 2500	1	2.25
	5150 ~ 5250	1	1.92
	5725 ~ 5850		

2. Test Configuration

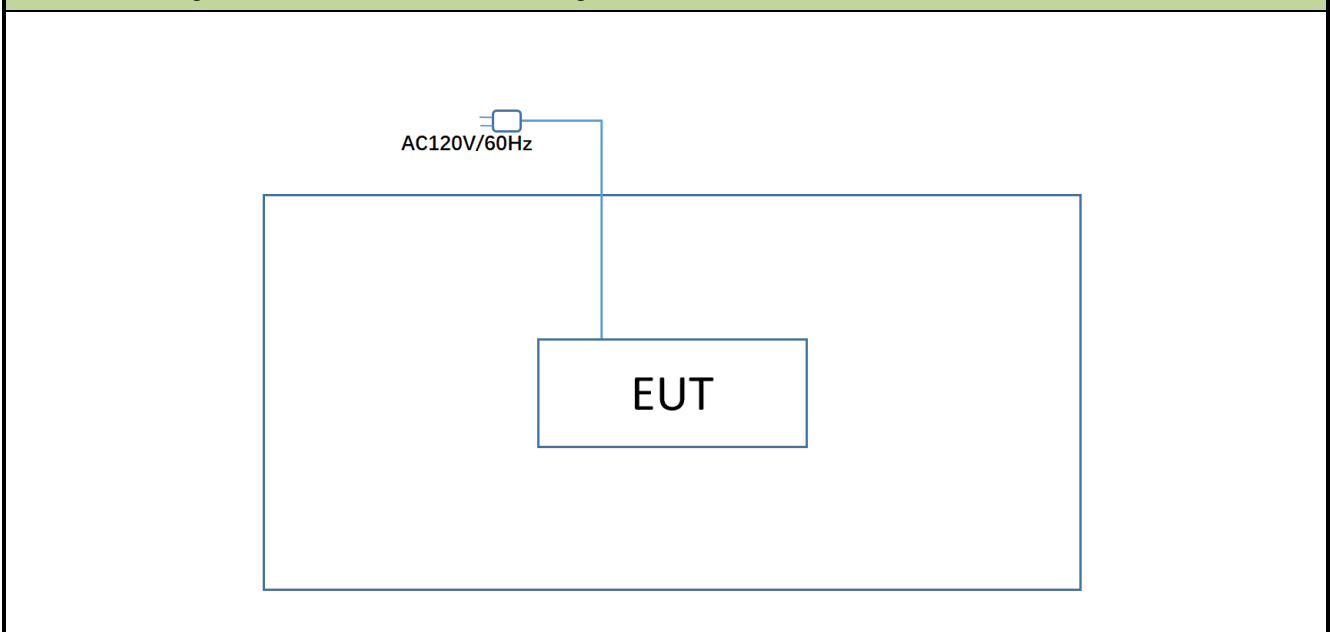
2.1. Test Mode

Mode 1: Transmit by 802.11b (1Mbps)
Mode 2: Transmit by 802.11g (6Mbps)
Mode 3: Transmit by 802.11n-HT20 (MCS0)
Mode 4: Transmit by 802.11n-HT40 (MCS0)

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram – Radiated Emission testing & AC Conducted Emissions



2.3. Test System Details

Product	Manufacturer	Model No.
1 N/A	N/A	N/A

2.4. Test Software

The test utility software used during testing was “Engineer Mode”.

Note: Final power setting please refer to operational description.

2.5. Applied Standards

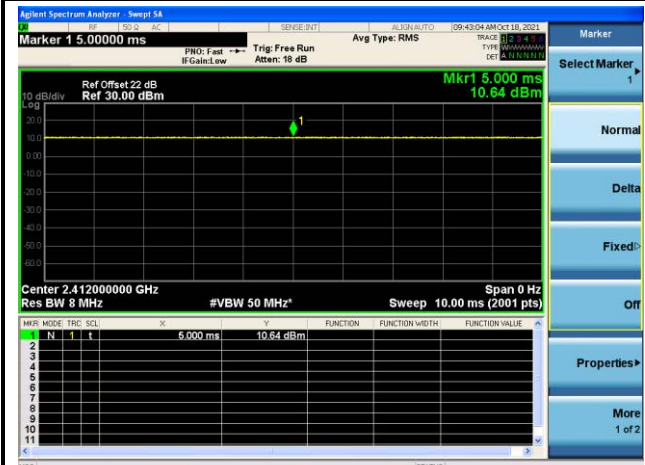
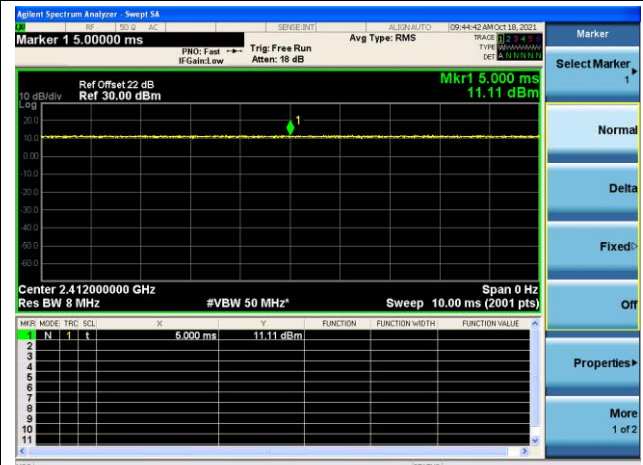
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

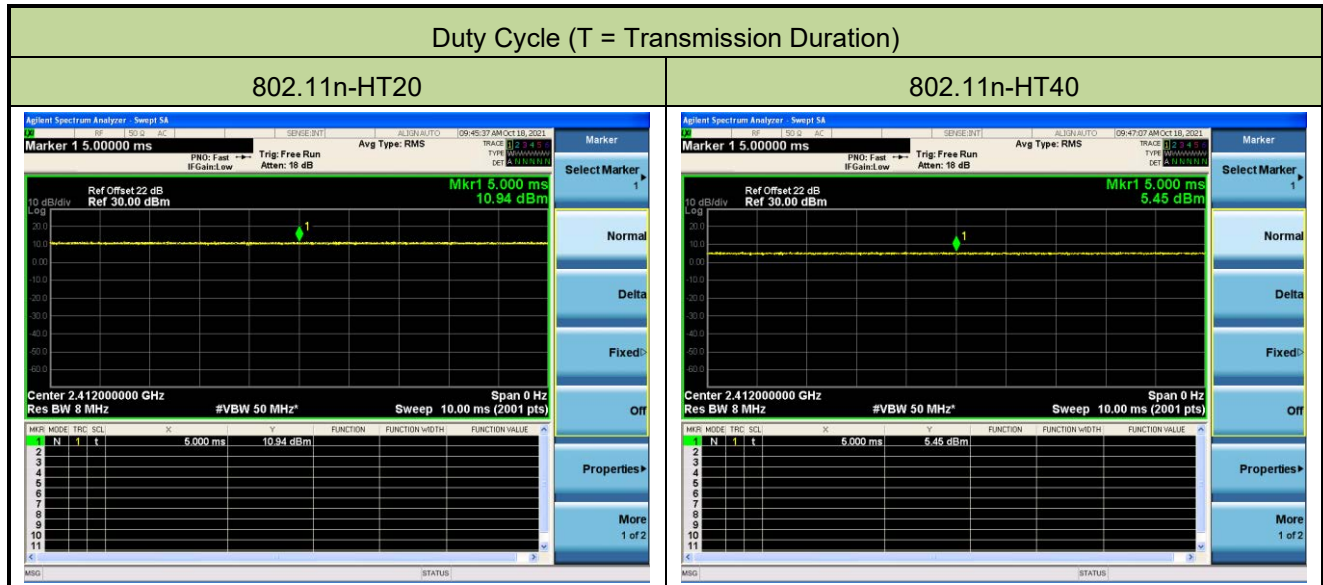
- FCC Part 15.247
- KDB 558074 D01v05r02
- ANSI C63.10-2013

2.6. Duty Cycle

The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Duty Cycle
802.11b	100%
802.11g	100%
802.11n-HT20	100%
802.11n-HT40	100%
Duty Cycle (T = Transmission Duration)	
802.11b	802.11g



2.7. Test Environment Condition

Ambient Temperature	15°C~35°C
Relative Humidity	20%RH ~75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

No.	Instrument	Manufacturer	Model No.	Asset No.	Last Cali. Date	Cali. Due Date	Test Site
1	Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06292	1 year	2022/10/20	NS-AC1
2	Anechoic Chamber	BOOMWAVE	NS-AC1	MRTSUE06496	1 year	2022/07/24	NS-AC1
3	Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06572	1 year	2022/03/14	NS-AC1
4	TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06573	1 year	2022/06/29	NS-AC1
5	Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06574	1 year	2022/07/12	NS-AC1
6	EMI Test Receiver	R&S	ESR3	MRTSUE06575	1 year	2022/06/27	NS-AC1
7	Thermohygrometer	DELI	NO.8813	MRTSUE06588	1 year	2022/06/30	NS-AC1
8	Preamplifier	EMCI	EMC184045SE	MRTSUE06641	1 year	2022/1/14	NS-AC1
9	Signal Analyzer	Agilent	N9010A	MRTSUE06195	1 year	2022/03/17	NS-AC1/NS-T R2
10	Signal Analyzer	Keysight	N9020A	MRTSUE10065	1 year	2022/06/17	NS-AC1/NS-T R2
11	Shielding Room	BOOMWAVE	NS-SR1	MRTSUE06550	/	/	NS-SR1
12	Shielding Room	BOOMWAVE	NS-SR2	MRTSUE06551	/	/	NS-SR2
13	Two-Line V-Network	R&S	ENV216	MRTSUE06577	1 year	2022/07/4	NS-SR2
14	Two-Line V-Network	R&S	ENV216	MRTSUE06578	1 year	2022/07/4	NS-SR2
15	USB Power Sensor	Keysight	U2021XA	MRTSUE06581	1 year	2022/08/15	NS-TR2

Software	Version	Function
EMI Software	V3	EMI Test Software

5. Measurement Uncertainty

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

AC Conducted Emission Measurement
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Disturbance
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.13dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.15dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.28%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.247(a)(2)	6dB Bandwidth	Conducted	Pass
15.247(b)(3)	Output Power		Pass
15.247(e)	Power Spectral Density		Pass
15.247(d)	Band Edge / Out-of-Band Emissions		Pass
15.205 15.209	General Field Strength (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Remark:

- The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- For radiated emission tests, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

6.2. 6dB Bandwidth

6.2.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

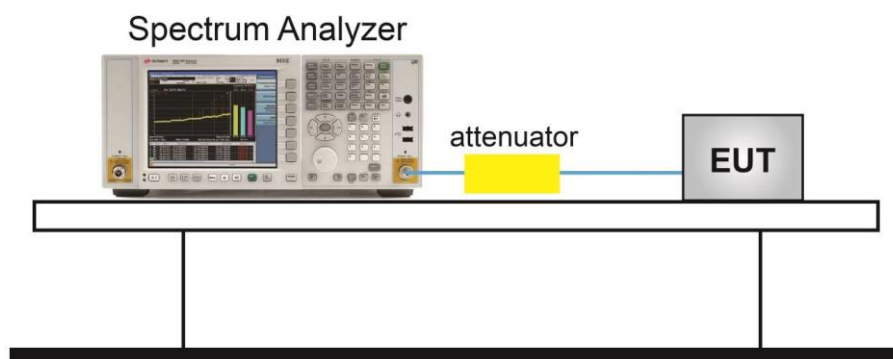
6.2.2. Test Procedure used

ANSI C63.10 - 2013 - Section 11.8

6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set RBW = 100 kHz
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.1.

6.3. Output Power

6.3.1. Test Limit

The maximum output power shall be less 1 Watt (30dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3.2. Test Procedure Used

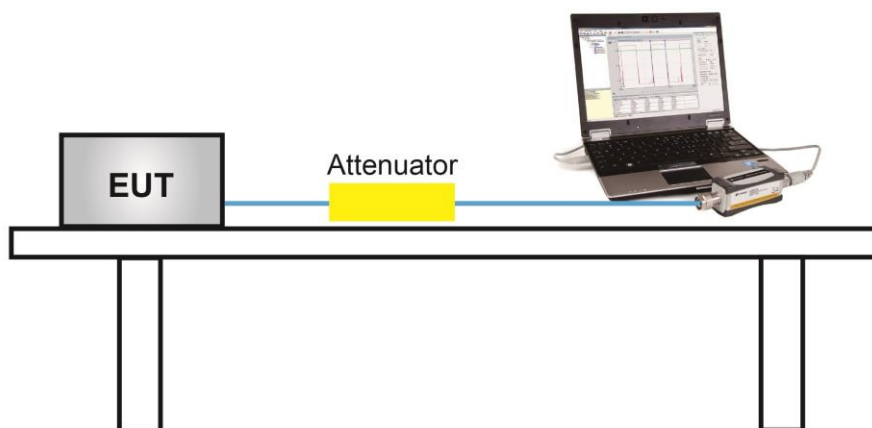
ANSI C63.10 - 2013 - Section 11.9.2.3.2

6.3.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.2.

6.4. Power Spectral Density

6.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

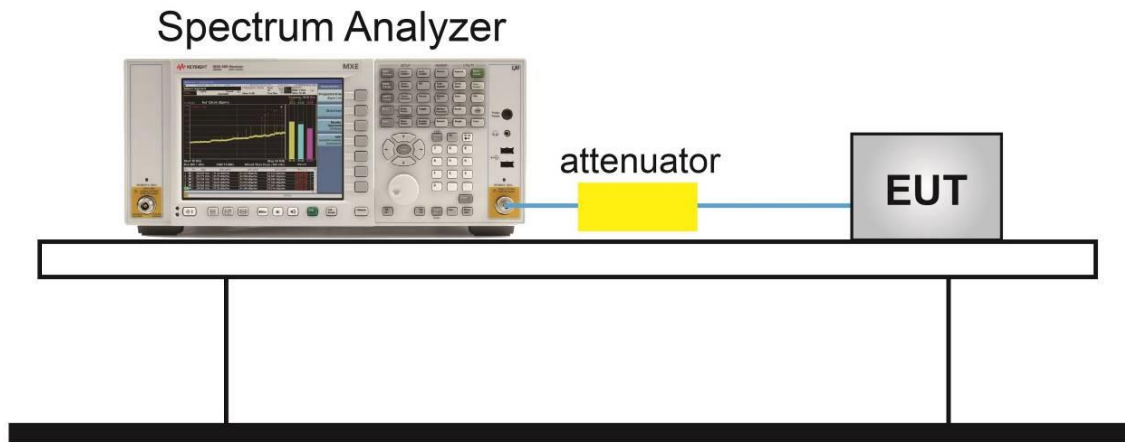
6.4.2. Test Procedure Used

ANSI C63.10 - 2013 - Section 11.10.5

6.4.3. Test Setting

1. Measure the duty cycle (x) of the transmitter output signal.
2. Set instrument center frequency to DTS channel center frequency.
3. Set span to at least 1.5 times the OBW.
4. RBW = 10 kHz.
5. VBW = 30 kHz.
6. Detector = RMS.
7. Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span}/\text{RBW}$.
8. Sweep time = auto couple.
9. Don't use sweep triggering. Allow sweep to "free run".
10. Employ trace averaging (RMS) mode over a minimum of 100 traces.
11. Use the peak marker function to determine the maximum amplitude level.
12. Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time. If measured value exceeds requirement specified by regulatory agency, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.3.

6.5. Conducted Band Edge and Out-of-Band Emissions

6.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

6.5.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.11

6.5.3. Test Setting

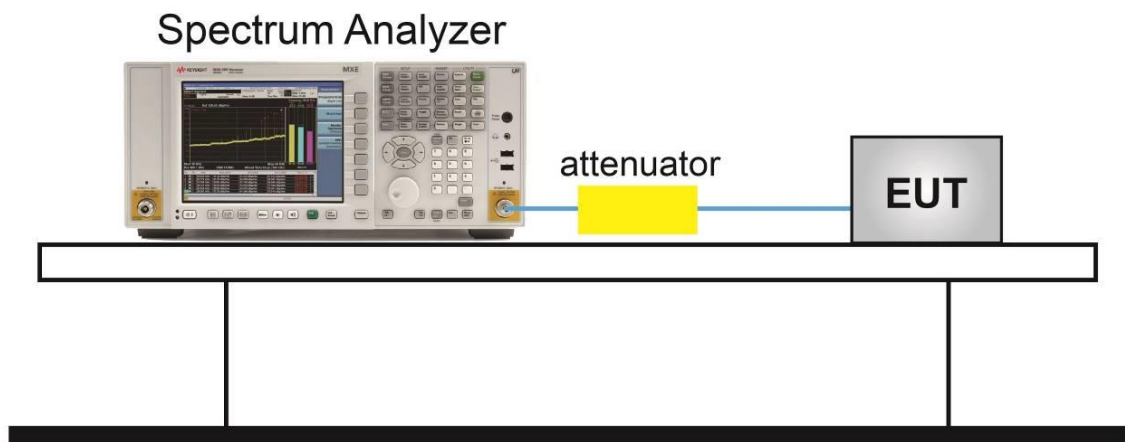
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.4.

6.6. Radiated Spurious Emission

6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.6.2. Test Procedure Used

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

6.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

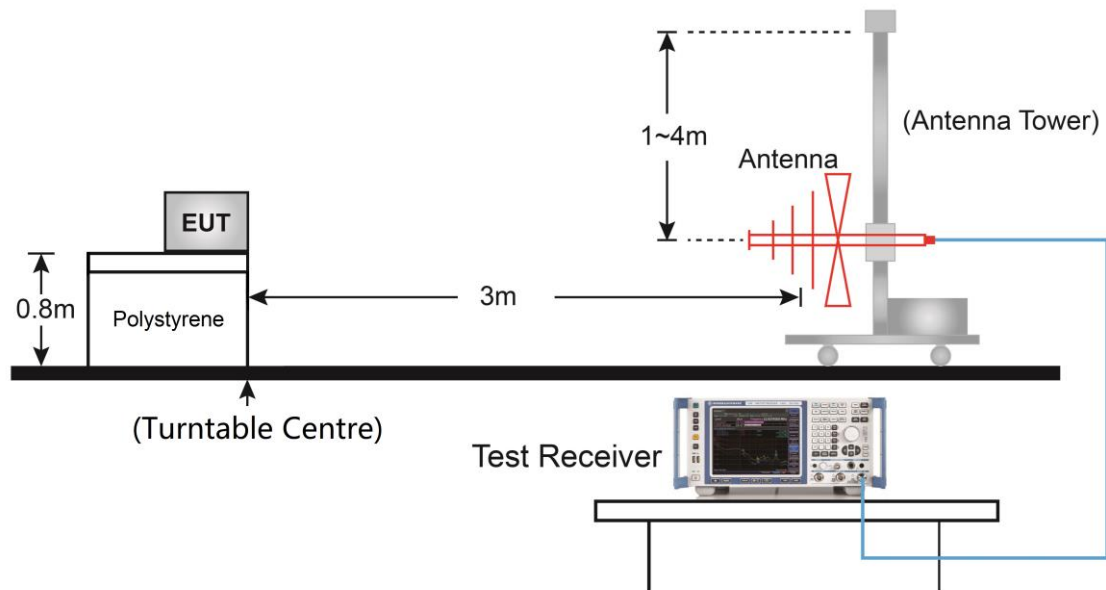
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

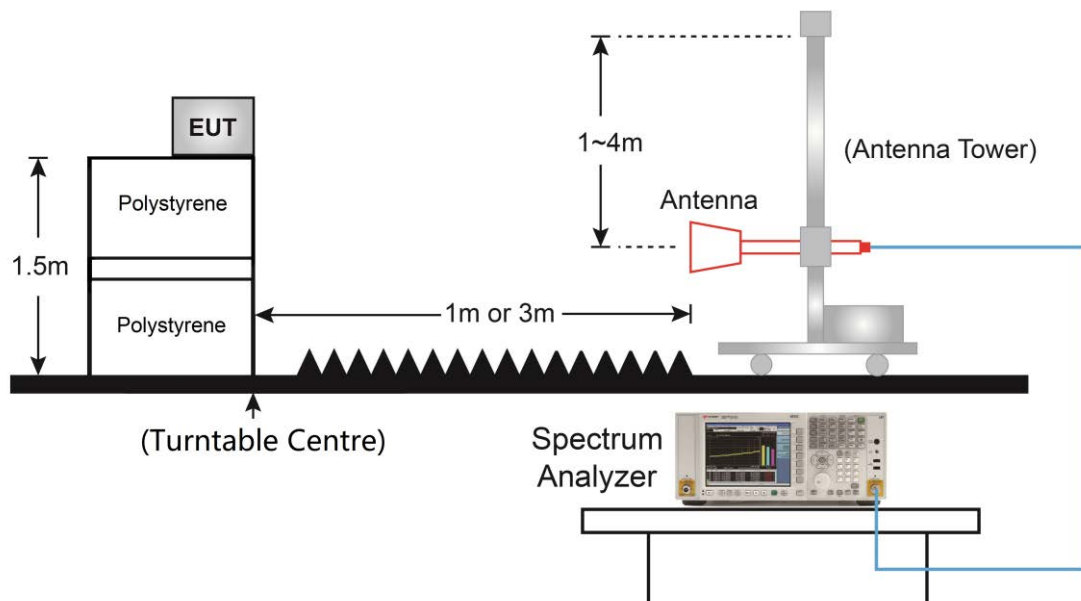
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.5.

6.7. Radiated Restricted Band Edge

6.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.7.2. Test Procedure Used

ANSI C63.10-2013 Section 6.3

ANSI C63.10-2013 Section 6.6

ANSI C63.10-2013 Section 11.13

6.7.3. Test Setting

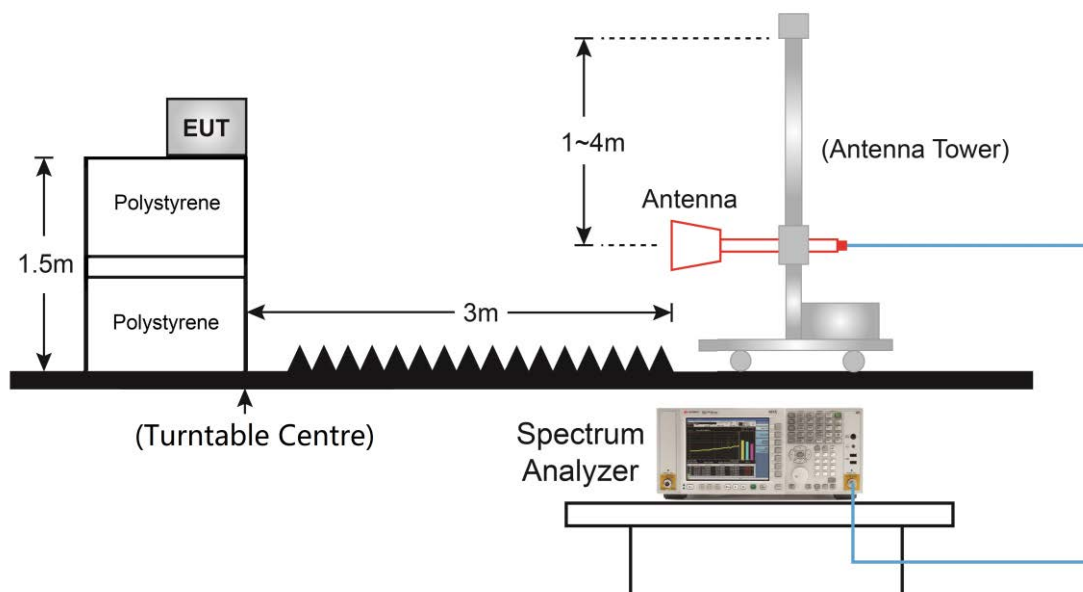
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.7.4. Test Setup



6.7.5. Test Result

Refer to Appendix A.6.

6.8. AC Conducted Emissions

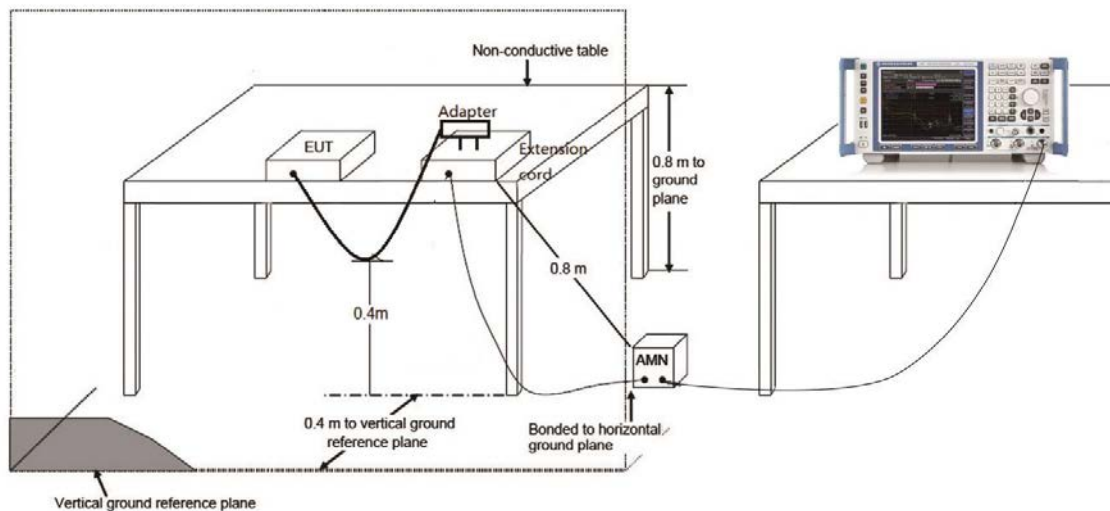
6.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.8.2. Test Setup



6.8.3. Test Result

Refer to Appendix A.7.

7. Conclusion

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15C of the FCC rules.

Appendix A – Test Result

A.1 6dB Bandwidth Test Result

Test Site	NS-SR2	Test Engineer	Dillon Diao
Test Date	2021/10/18		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11b	1Mbps	01	2412	8.53	≥ 0.5
11b	1Mbps	06	2437	9.11	≥ 0.5
11b	1Mbps	11	2462	9.60	≥ 0.5
11g	6Mbps	01	2412	16.18	≥ 0.5
11g	6Mbps	06	2437	16.39	≥ 0.5
11g	6Mbps	11	2462	15.98	≥ 0.5
11n-HT20	MCS0	01	2412	17.40	≥ 0.5
11n-HT20	MCS0	06	2437	17.62	≥ 0.5
11n-HT20	MCS0	11	2462	17.27	≥ 0.5
11n-HT40	MCS0	03	2422	32.94	≥ 0.5
11n-HT40	MCS0	06	2437	33.31	≥ 0.5
11n-HT40	MCS0	09	2452	35.39	≥ 0.5

802.11b 6dB Bandwidth

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)





802.11n-HT20 6dB Bandwidth

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 6dB Bandwidth

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



A.2 Output Power Test Result

Test Site	NS-SR2	Test Engineer	Summer Tang
Test Date	2021/10/18		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)
11b	1Mbps	01	2412	17.18	≤ 30.00
11b	1Mbps	06	2437	17.83	≤ 30.00
11b	1Mbps	11	2462	17.65	≤ 30.00
11g	6Mbps	01	2412	13.79	≤ 30.00
11g	6Mbps	06	2437	14.19	≤ 30.00
11g	6Mbps	11	2462	14.20	≤ 30.00
11n-HT20	MCS0	01	2412	13.18	≤ 30.00
11n-HT20	MCS0	06	2437	13.68	≤ 30.00
11n-HT20	MCS0	11	2462	13.55	≤ 30.00
11n-HT40	MCS0	03	2422	12.21	≤ 30.00
11n-HT40	MCS0	06	2437	14.07	≤ 30.00
11n-HT40	MCS0	19	2452	11.16	≤ 30.00

A.3 Power Spectral Density Test Result

Test Site	NS-SR2	Test Engineer	Summer Tang
Test Item	Power Spectral Density		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVG PSD (dBm/ 10kHz)	Duty Cycle (%)	Final PSD (dBm/ 10kHz)	Limit (dBm/ 3kHz)
11b	1Mbps	01	2412	-9.05	100	-9.05	≤ 8.00
11b	1Mbps	06	2437	-8.46	100	-8.46	≤ 8.00
11b	1Mbps	11	2462	-8.86	100	-8.86	≤ 8.00
11g	6Mbps	01	2412	-14.44	100	-14.44	≤ 8.00
11g	6Mbps	06	2437	-13.75	100	-13.75	≤ 8.00
11g	6Mbps	11	2462	-14.45	100	-14.45	≤ 8.00
11n-HT20	MCS0	01	2412	-15.05	100	-15.05	≤ 8.00
11n-HT20	MCS0	06	2437	-14.14	100	-14.14	≤ 8.00
11n-HT20	MCS0	11	2462	-15.55	100	-15.55	≤ 8.00
11n-HT40	MCS0	03	2422	-19.27	100	-19.27	≤ 8.00
11n-HT40	MCS0	06	2437	-17.10	100	-17.10	≤ 8.00
11n-HT40	MCS0	09	2452	-19.37	100	-19.37	≤ 8.00

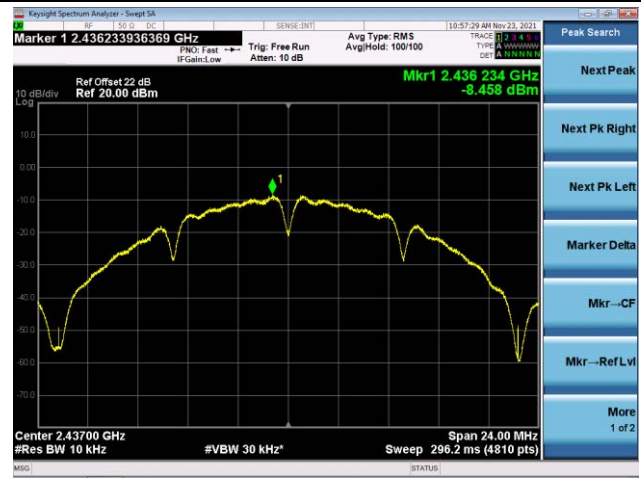
Note: When EUT duty cycle > 98%, Final PSD = AVG PSD

802.11b AVGPSPD

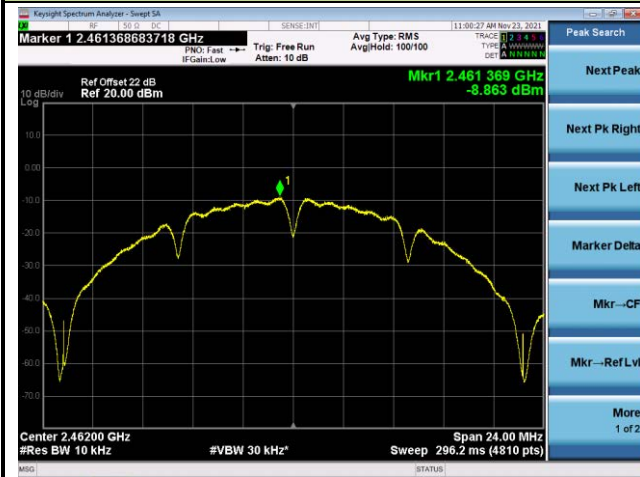
Channel 01 (2412MHz)



Channel 06 (2437MHz)

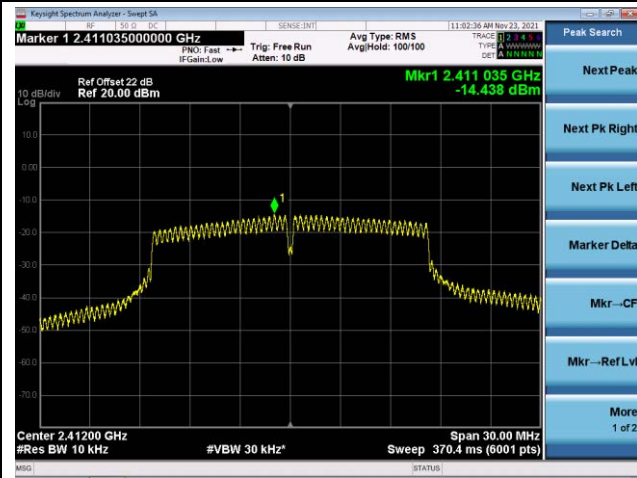


Channel 11 (2462MHz)



802.11g - AVGPSPD

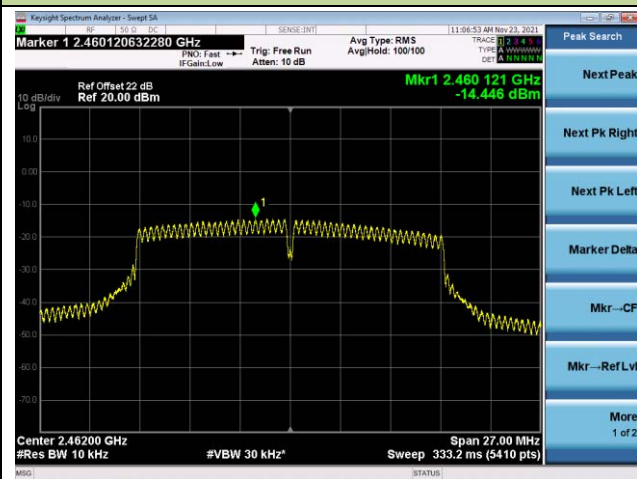
Channel 01 (2412MHz)



Channel 06 (2437MHz)

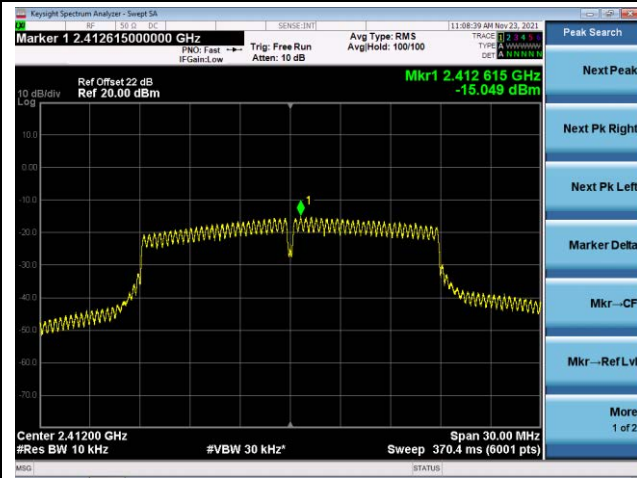


Channel 11 (2462MHz)

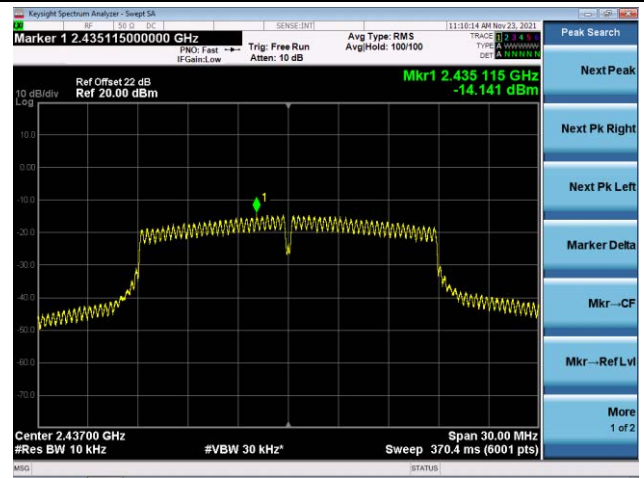


802.11n-HT20 – AVGPSD

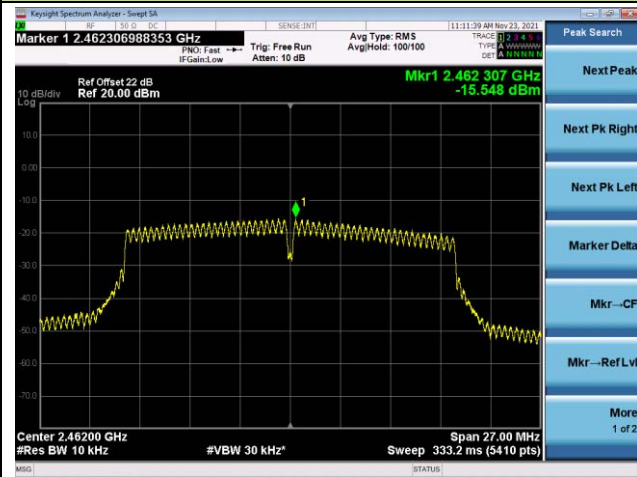
Channel 01 (2412MHz)



Channel 06 (2437MHz)

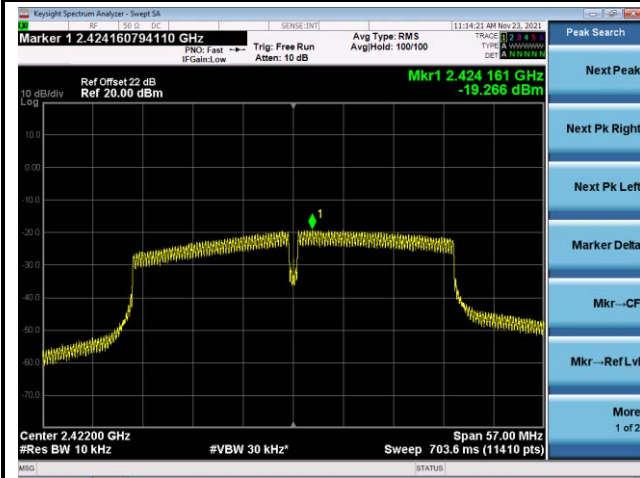


Channel 11 (2462MHz)

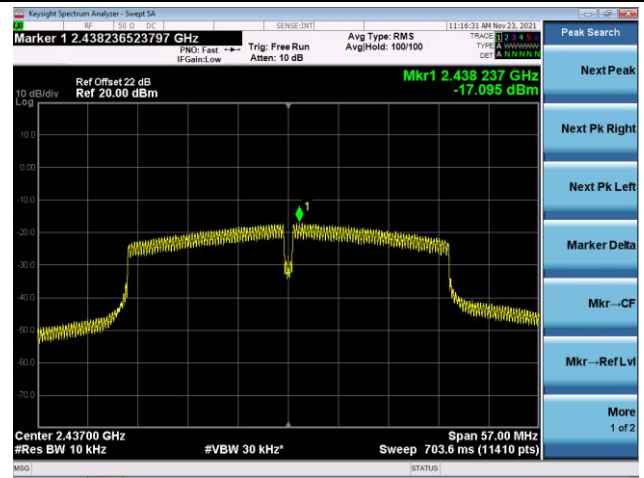


802.11n-HT40 – AVGPSD

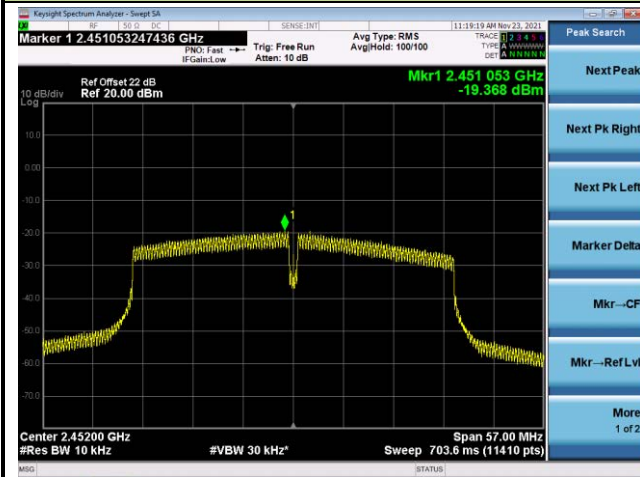
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



A.4 Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	NS-SR2	Test Engineer	Summer Tang
Test Date	2021/10/20		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit
11b	1Mbps	01	2412	30dBc
11b	1Mbps	06	2437	30dBc
11b	1Mbps	11	2462	30dBc
11g	6Mbps	01	2412	30dBc
11g	6Mbps	06	2437	30dBc
11g	6Mbps	11	2462	30dBc
11n-HT20	MCS0	01	2412	30dBc
11n-HT20	MCS0	06	2437	30dBc
11n-HT20	MCS0	11	2462	30dBc
11n-HT40	MCS0	03	2422	30dBc
11n-HT40	MCS0	06	2437	30dBc
11n-HT40	MCS0	09	2452	30dBc



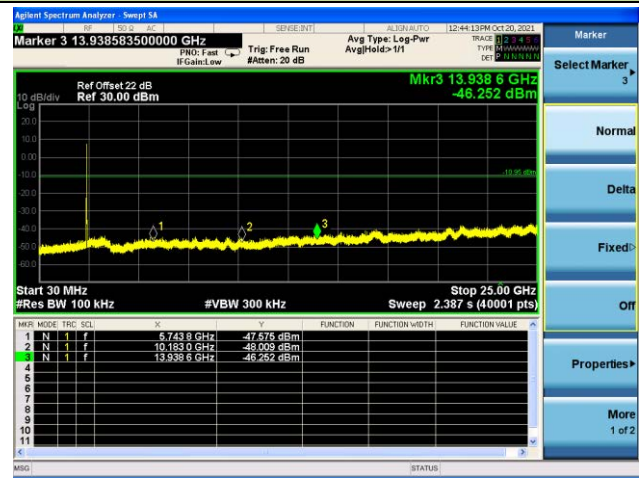
802.11b Out-of-Band Emissions

Channel 01 (2412MHz)

Low Band Edge

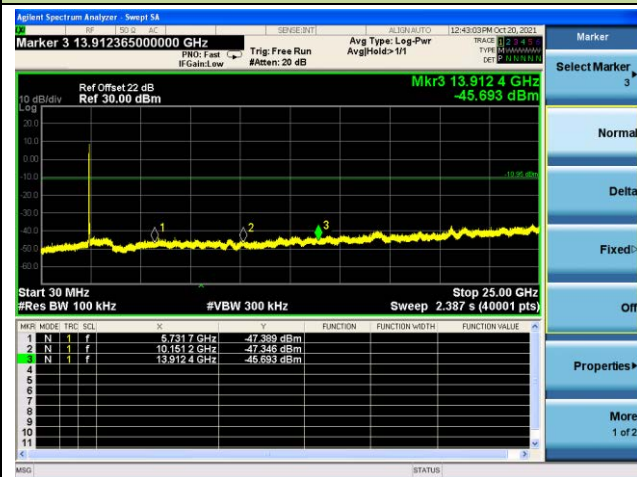


Spurious Emission



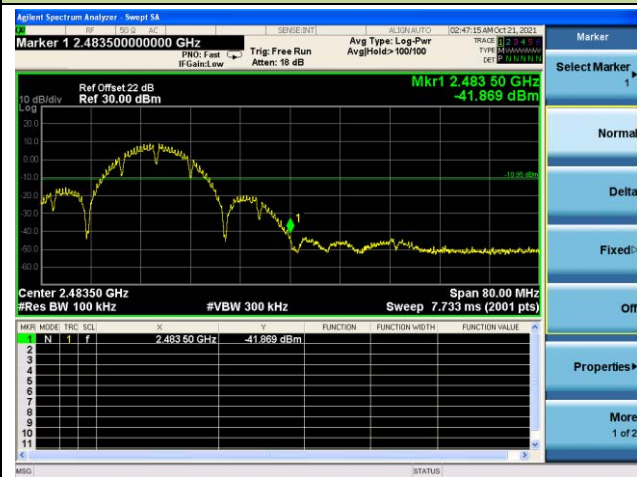
Channel 06 (2437MHz)

Spurious Emission

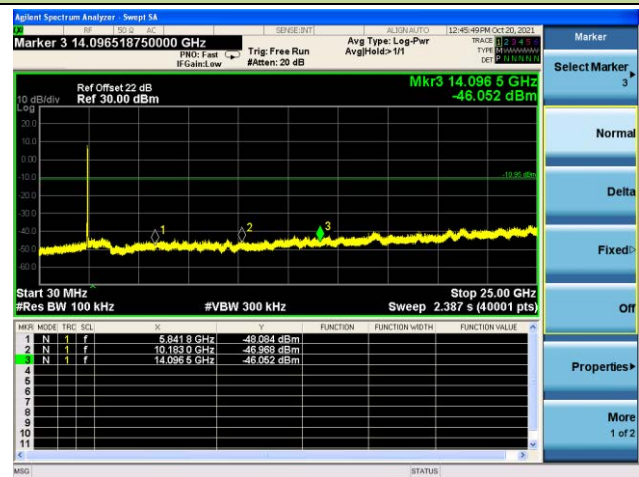


Channel 11 (2462MHz)

High Band Edge



Spurious Emission



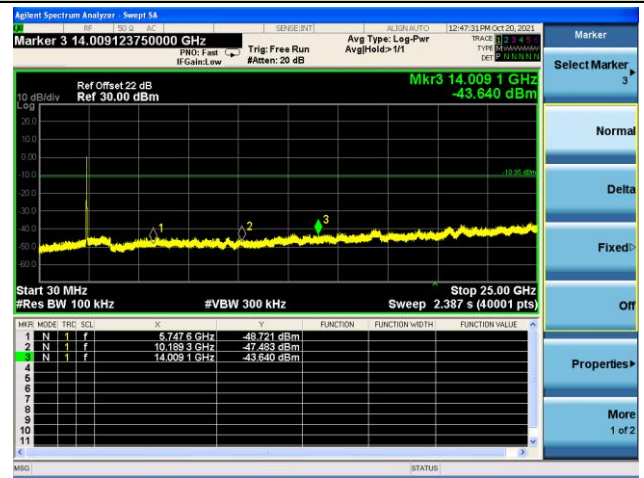
802.11g Out-of-Band Emissions -Ant 0

Channel 01 (2412MHz)

Low Band Edge

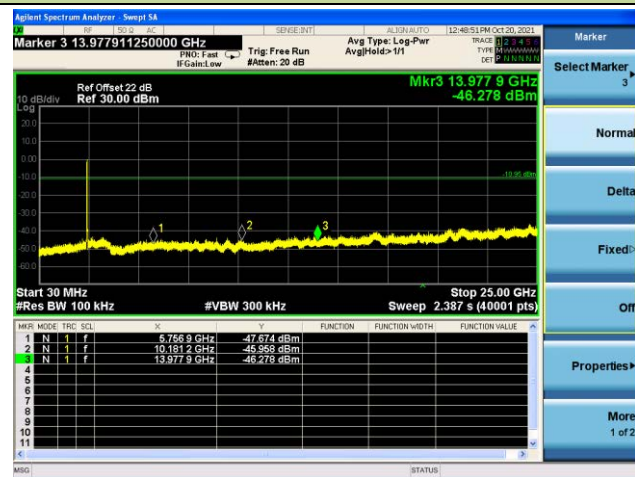


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

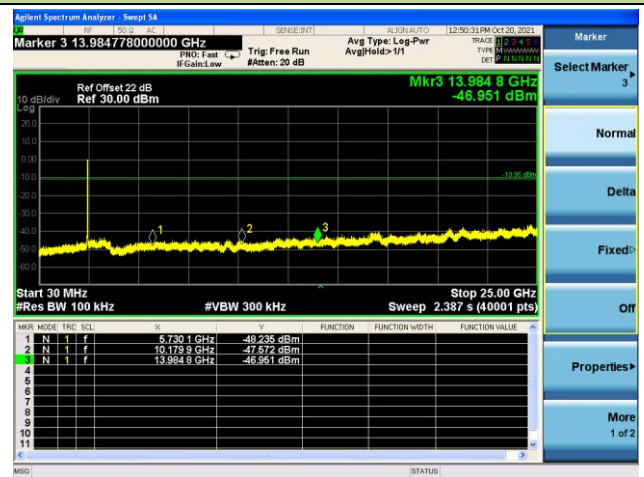


Channel 11 (2462MHz)

High Band Edge



Spurious Emission



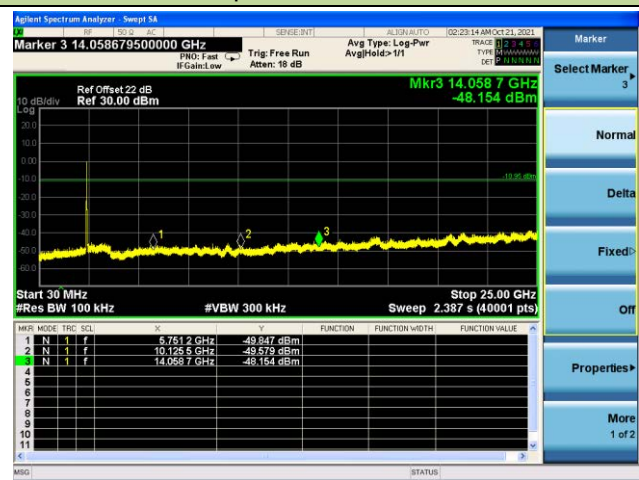
802.11n-HT20 Out-of-Band Emissions -Ant 0

Channel 01 (2412MHz)

Low Band Edge

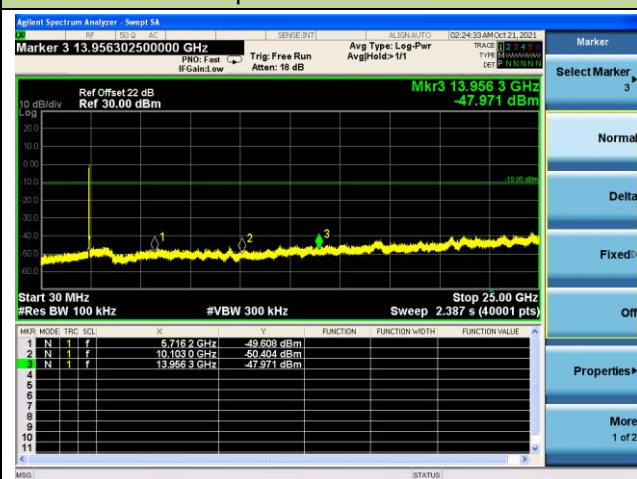


Spurious Emission

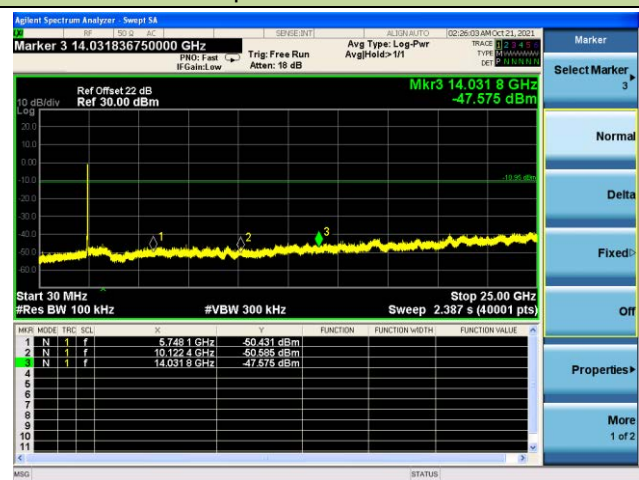


Channel 06 (2437MHz)

Spurious Emission



Spurious Emission



High Band Edge



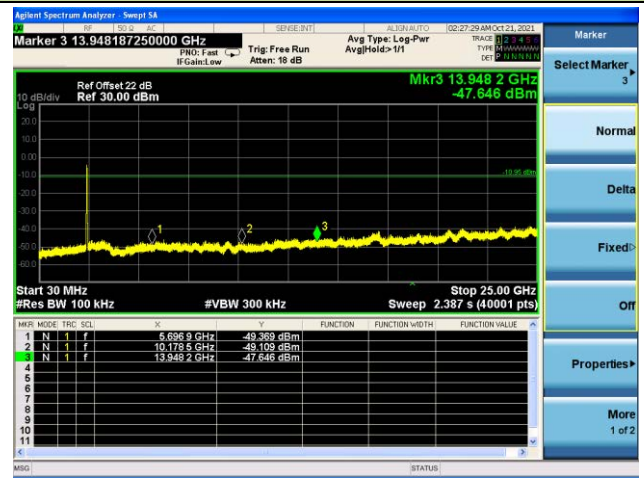
802.11n-HT40 Out-of-Band Emissions -Ant 0

Channel 03 (2422MHz)

Low Band Edge

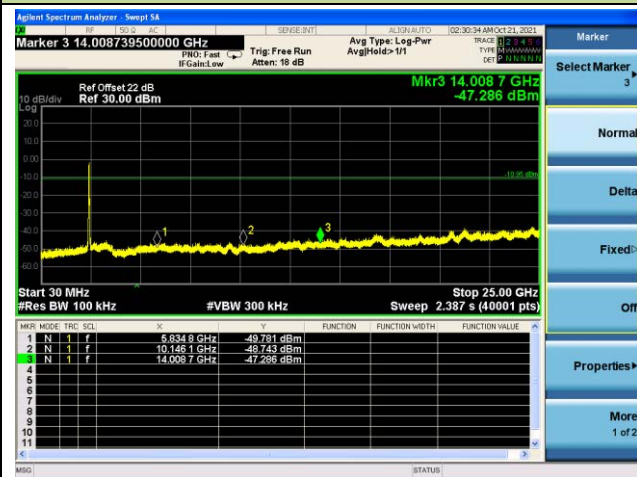


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

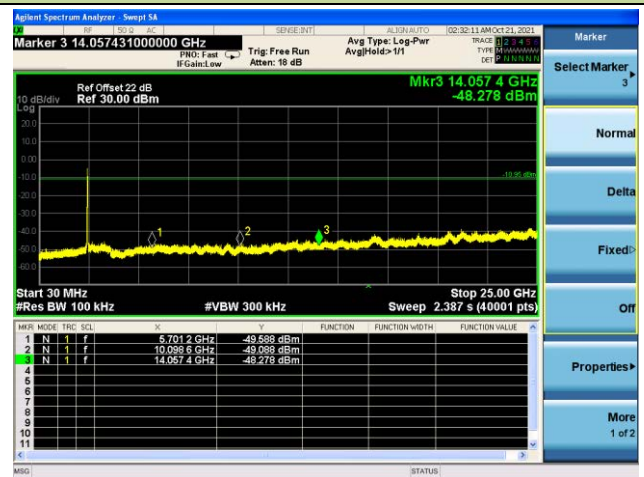


Channel 09 (2452MHz)

High Band Edge



Spurious Emission



A.5 Radiated Spurious Emission Test Result

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/10/13	Test Mode:	802.11b
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4825.0	42.7	1.4	44.1	74.0	-29.9	Peak	Horizontal
	7239.0	37.6	8.8	46.4	74.0	-27.6	Peak	Horizontal
	9415.0	35.7	11.8	47.5	74.0	-26.5	Peak	Horizontal
	4825.0	43.6	1.4	45.0	74.0	-29.0	Peak	Vertical
	7239.0	38.9	8.8	47.7	74.0	-26.3	Peak	Vertical
	11421.0	35.0	15.1	50.1	74.0	-23.9	Peak	Vertical
06	5122.5	36.3	2.3	38.6	74.0	-35.4	Peak	Horizontal
	5972.5	36.6	4.0	40.6	74.0	-33.4	Peak	Horizontal
	7511.0	35.2	9.4	44.5	74.0	-29.5	Peak	Horizontal
	4383.0	38.0	-0.1	37.9	74.0	-36.1	Peak	Vertical
	6559.0	35.4	5.7	41.1	74.0	-32.9	Peak	Vertical
	7868.0	36.3	8.5	44.8	74.0	-29.2	Peak	Vertical
11	4927.0	49.4	1.5	50.9	74.0	-23.1	Peak	Horizontal
	7383.5	36.0	9.2	45.2	74.0	-28.8	Peak	Horizontal
	10010.0	35.2	12.4	47.6	74.0	-26.4	Peak	Horizontal
	4927.0	48.1	1.5	49.6	74.0	-24.4	Peak	Vertical
	7383.5	35.1	9.2	44.3	74.0	-29.7	Peak	Vertical
	9270.5	34.6	12.0	46.6	74.0	-27.4	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/10/13	Test Mode:	802.11g
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4825.0	45.6	1.4	47.0	74.0	-27.0	Peak	Horizontal
	7239.0	37.7	8.8	46.5	74.0	-27.5	Peak	Horizontal
	8420.5	35.7	10.2	45.9	74.0	-28.1	Peak	Horizontal
	4825.0	40.8	1.4	42.2	74.0	-31.8	Peak	Vertical
	7230.5	36.9	8.7	45.6	74.0	-28.4	Peak	Vertical
	7970.0	36.4	9.0	45.4	74.0	-28.6	Peak	Vertical
06	5607.0	36.8	2.5	39.3	74.0	-34.7	Peak	Horizontal
	7018.0	34.1	8.0	42.1	74.0	-31.9	Peak	Horizontal
	8497.0	34.9	10.7	45.6	74.0	-28.4	Peak	Horizontal
	7179.5	35.7	8.6	44.3	74.0	-29.7	Peak	Vertical
	8446.0	36.1	10.4	46.5	74.0	-27.5	Peak	Vertical
	9347.0	35.1	12.0	47.2	74.0	-26.8	Peak	Vertical
11	4935.5	40.0	1.6	41.6	74.0	-32.4	Peak	Horizontal
	7417.5	35.3	9.3	44.6	74.0	-29.4	Peak	Horizontal
	8752.0	34.5	11.9	46.4	74.0	-27.6	Peak	Horizontal
	4944.0	41.6	1.7	43.3	74.0	-30.7	Peak	Vertical
	7383.5	35.1	9.2	44.3	74.0	-29.7	Peak	Vertical
	9449.0	36.2	11.7	47.9	74.0	-26.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/10/13	Test Mode:	802.11n-HT20
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4825.0	43.1	1.4	44.5	74.0	-29.5	Peak	Horizontal
	6873.5	35.8	6.7	42.5	74.0	-31.5	Peak	Horizontal
	9134.5	35.5	12.3	47.8	74.0	-26.2	Peak	Horizontal
	4816.5	39.4	1.4	40.8	74.0	-33.2	Peak	Vertical
	7239.0	37.3	8.8	46.1	74.0	-27.9	Peak	Vertical
	8386.5	33.4	10.0	43.4	74.0	-30.6	Peak	Vertical
06	5989.5	36.2	3.9	40.1	74.0	-33.9	Peak	Horizontal
	6873.5	36.0	6.7	42.7	74.0	-31.3	Peak	Horizontal
	9500.0	36.8	11.7	48.5	74.0	-25.5	Peak	Horizontal
	5105.5	36.6	2.4	39.0	74.0	-35.0	Peak	Vertical
	6780.0	36.3	6.2	42.6	74.0	-31.4	Peak	Vertical
	8862.5	34.6	11.8	46.4	74.0	-27.6	Peak	Vertical
11	4927.0	41.8	1.5	43.3	74.0	-30.7	Peak	Horizontal
	7383.5	34.8	9.2	44.0	74.0	-30.0	Peak	Horizontal
	9534.0	36.0	11.6	47.6	74.0	-26.4	Peak	Horizontal
	4927.0	41.8	1.5	43.3	74.0	-30.7	Peak	Vertical
	7392.0	36.3	9.2	45.5	74.0	-28.5	Peak	Vertical
	9559.5	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/10/13	Test Mode:	802.11n-HT40
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

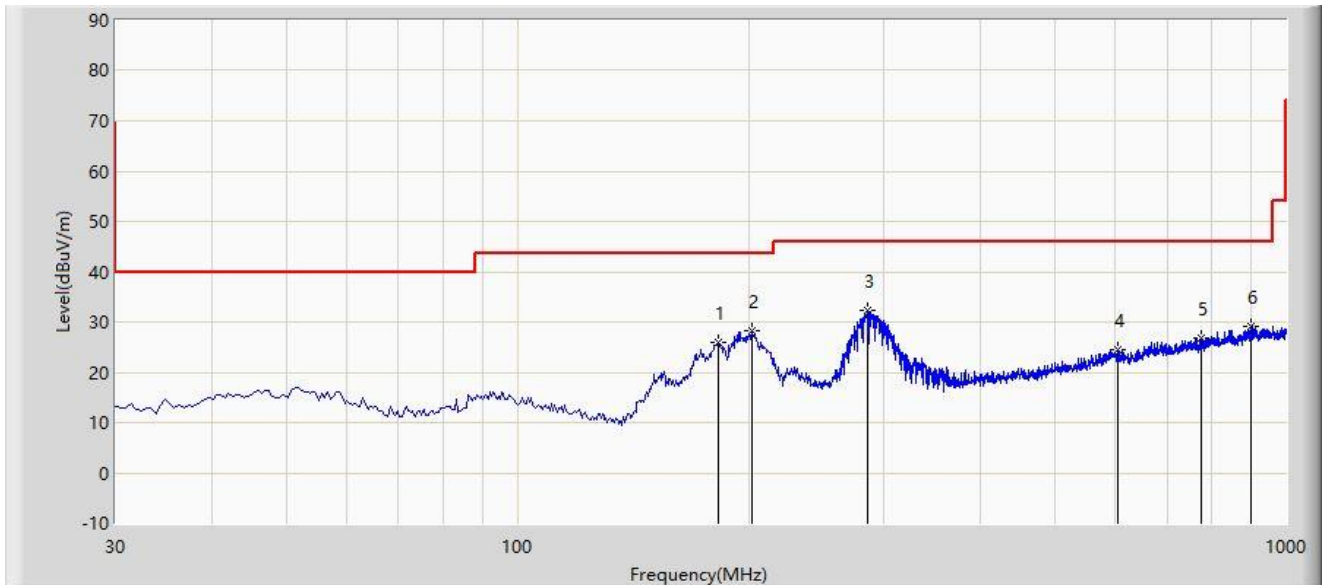
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	4842.0	40.4	1.5	41.9	74.0	-32.1	Peak	Horizontal
	7366.5	35.6	9.2	44.8	74.0	-29.2	Peak	Horizontal
	8794.5	36.5	11.9	48.4	74.0	-25.6	Peak	Horizontal
	5020.5	38.1	2.3	40.4	74.0	-33.6	Peak	Vertical
	6788.5	36.2	6.2	42.4	74.0	-31.6	Peak	Vertical
	8463.0	35.9	10.6	46.5	74.0	-27.5	Peak	Vertical
06	4612.5	36.8	1.5	38.3	74.0	-35.7	Peak	Horizontal
	5989.5	36.5	3.9	40.4	74.0	-33.6	Peak	Horizontal
	7103.0	34.0	8.3	42.3	74.0	-31.7	Peak	Horizontal
	5122.5	36.7	2.3	39.0	74.0	-35.0	Peak	Vertical
	6686.5	35.8	5.9	41.7	74.0	-32.3	Peak	Vertical
	8089.0	35.9	9.4	45.3	74.0	-28.7	Peak	Vertical
09	4901.5	39.7	1.2	40.9	74.0	-33.1	Peak	Horizontal
	7349.5	36.5	9.1	45.6	74.0	-28.4	Peak	Horizontal
	8888.0	34.9	11.8	46.7	74.0	-27.3	Peak	Horizontal
	4918.5	39.1	1.4	40.5	74.0	-33.5	Peak	Vertical
	7358.0	36.6	9.1	45.7	74.0	-28.3	Peak	Vertical
	8735.0	34.6	12.3	46.9	74.0	-27.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Site: NS-AC1	Time: 2021/10/12 - 14:43
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			182.775	25.912	12.426	-17.588	43.500	13.486	PK
2		*	202.175	28.200	13.350	-15.300	43.500	14.850	PK
3			286.080	32.416	15.562	-13.584	46.000	16.854	PK
4			605.210	24.633	1.149	-21.367	46.000	23.484	PK
5			773.990	26.819	1.292	-19.182	46.000	25.527	PK
6			902.030	29.157	1.447	-16.844	46.000	27.710	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

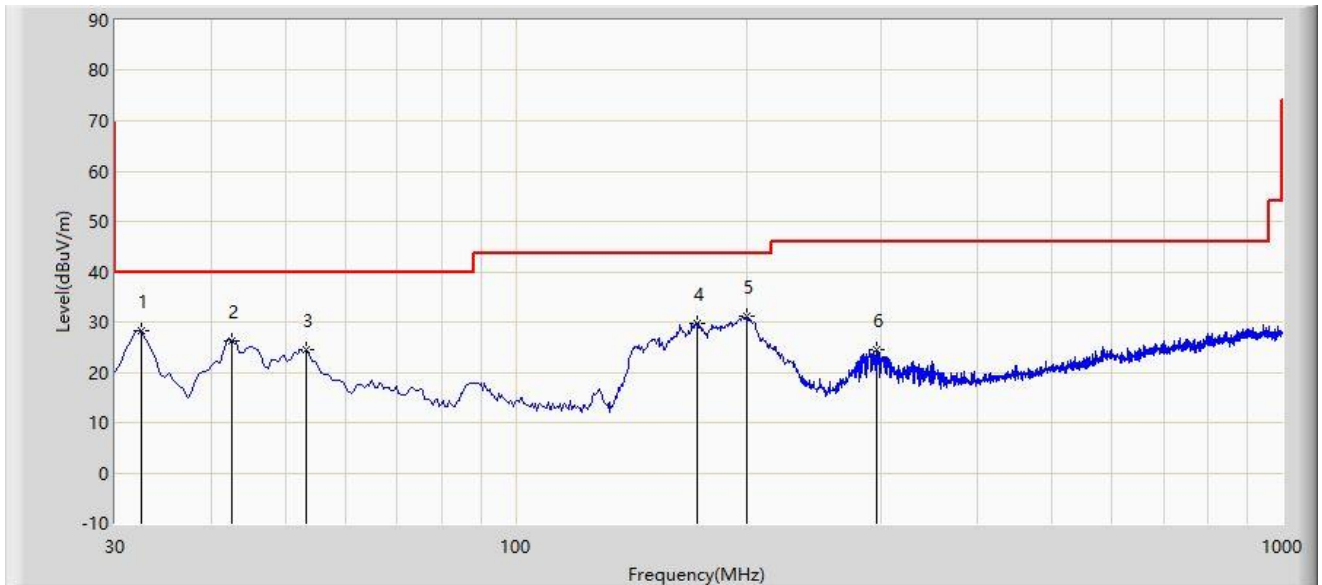
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: NS-AC1	Time: 2021/10/12 - 14:43
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			32.425	28.304	14.168	-11.696	40.000	14.136	PK
2		*	42.610	26.229	9.319	-13.771	40.000	16.910	PK
3			53.280	24.351	7.004	-15.649	40.000	17.347	PK
4			172.590	29.624	17.003	-13.876	43.500	12.621	PK
5			199.750	31.116	16.048	-12.384	43.500	15.068	PK
6			295.780	24.386	7.451	-21.615	46.000	16.935	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

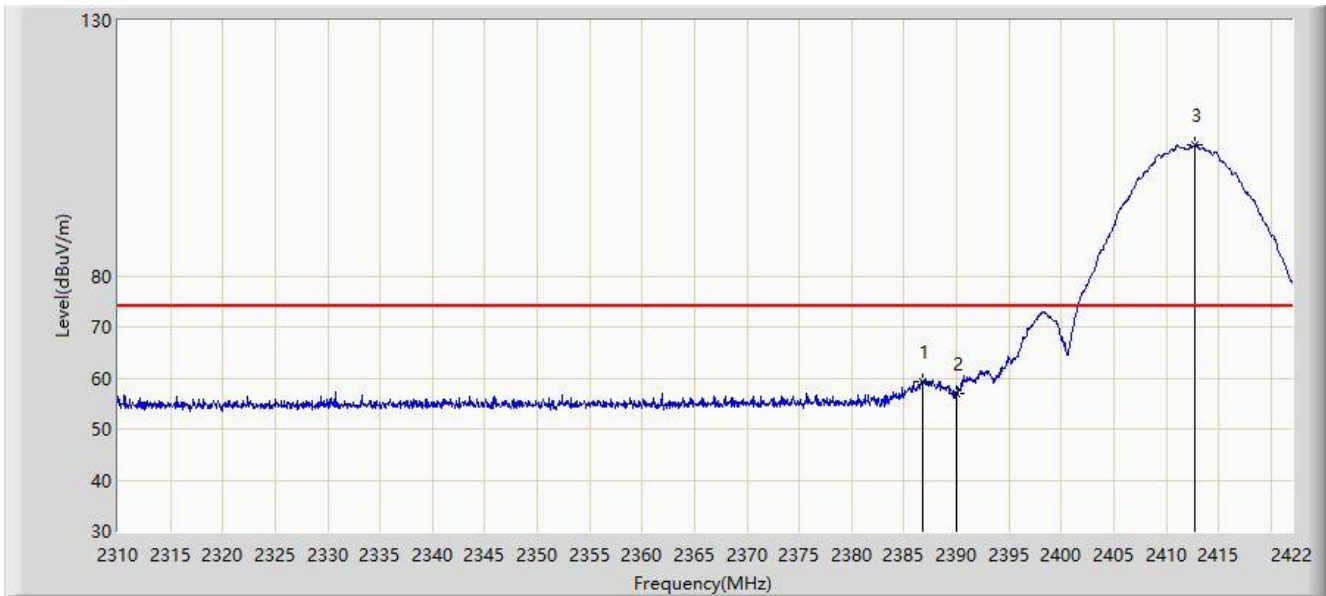
Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

A.6 Radiated Restricted Band Edge Test Result

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2386.832	59.416	28.510	-14.584	74.000	30.906	PK
2			2390.000	56.939	26.036	-17.061	74.000	30.903	PK
3		*	2412.760	105.681	74.711	N/A	N/A	30.970	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	

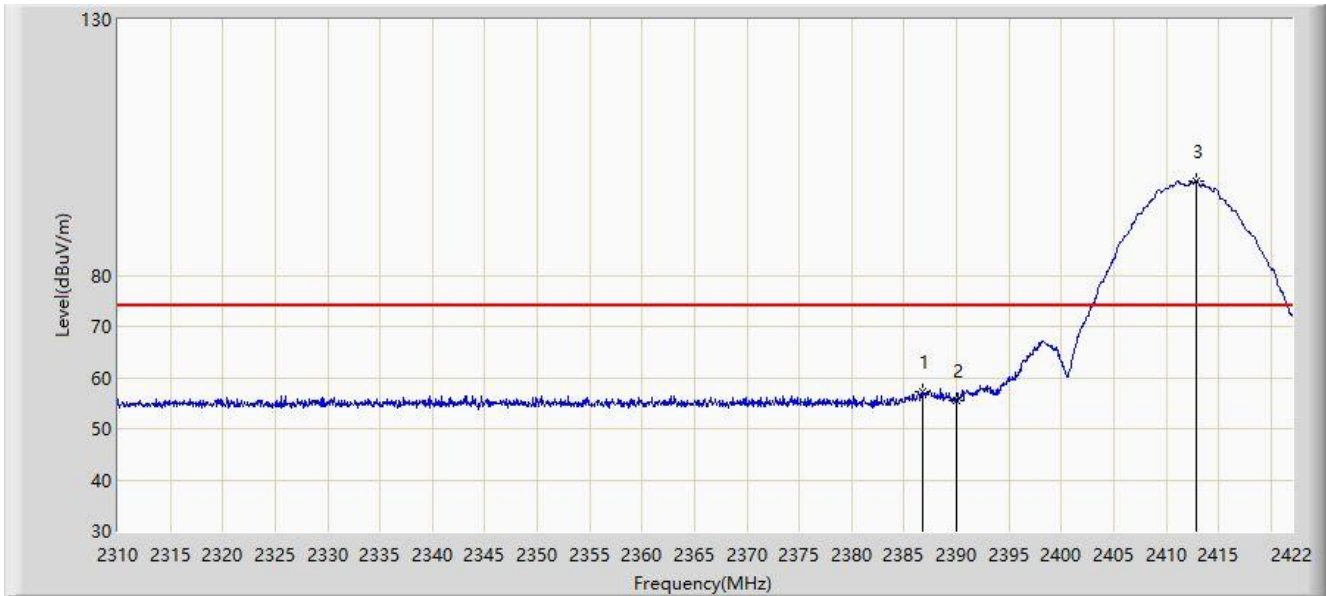


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2387.168	52.265	21.360	-1.735	54.000	30.905	AV
2			2390.000	47.687	16.784	-6.313	54.000	30.903	AV
3		*	2412.704	103.637	72.667	N/A	N/A	30.970	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2386.720	57.301	26.396	-16.698	74.000	30.905	PK
2			2390.000	55.504	24.601	-18.496	74.000	30.903	PK
3		*	2412.872	98.497	67.527	N/A	N/A	30.970	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	

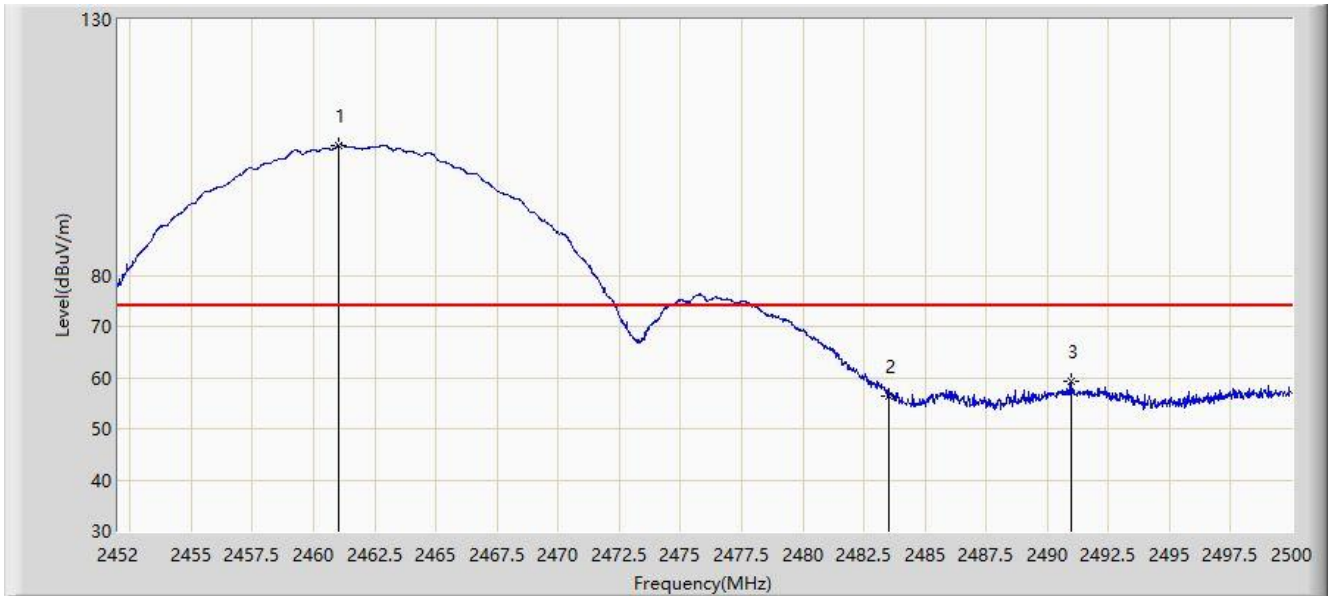


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2387.280	46.787	15.882	-7.213	54.000	30.906	AV
2			2390.000	44.582	13.679	-9.418	54.000	30.903	AV
3		*	2411.304	96.315	65.340	N/A	N/A	30.975	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz	

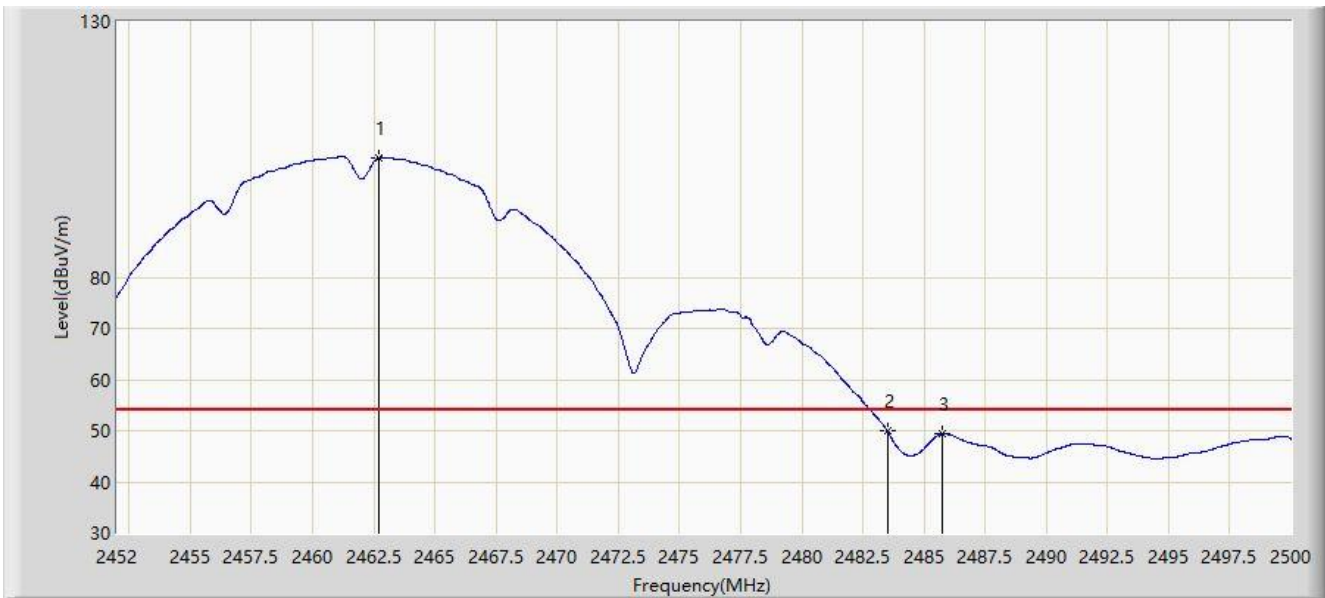


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2461.000	105.373	74.494	N/A	N/A	30.879	PK
2			2483.500	56.377	25.488	-17.623	74.000	30.889	PK
3			2491.000	59.146	28.220	-14.854	74.000	30.926	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz	

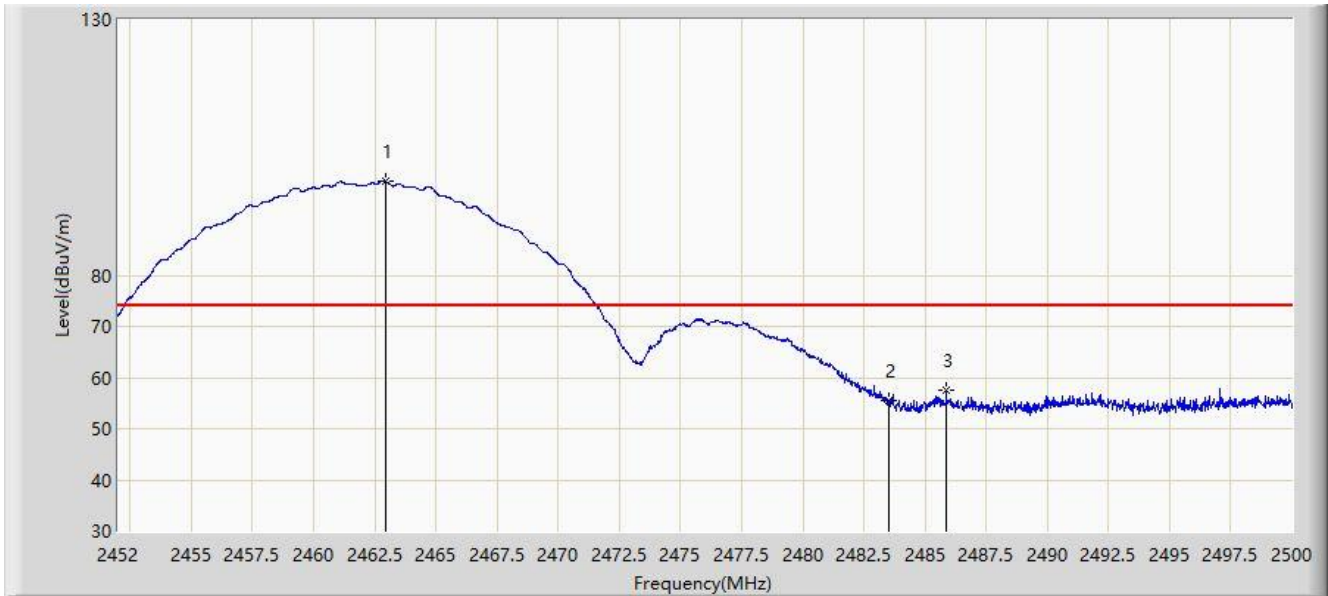


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.728	103.465	72.587	N/A	N/A	30.878	AV
2			2483.500	49.907	19.018	-4.093	54.000	30.889	AV
3			2485.720	49.436	18.536	-4.564	54.000	30.900	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz	

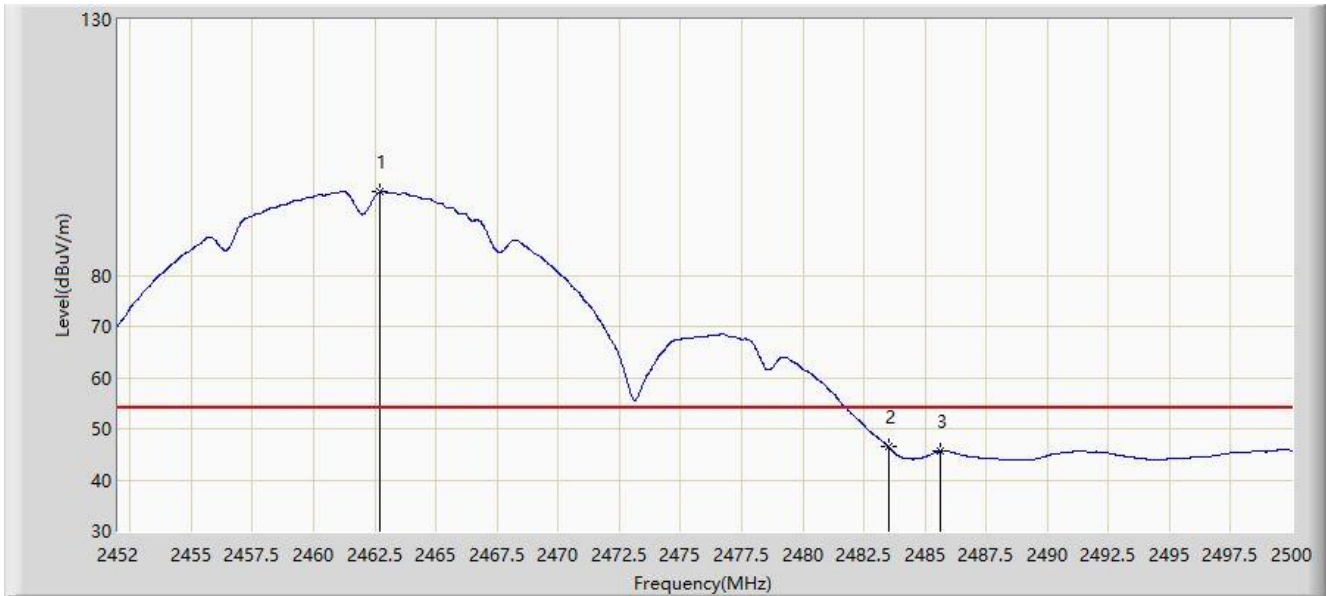


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.944	98.378	67.500	N/A	N/A	30.878	PK
2			2483.500	55.568	24.679	-18.432	74.000	30.889	PK
3			2485.864	57.669	26.768	-16.331	74.000	30.901	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz	

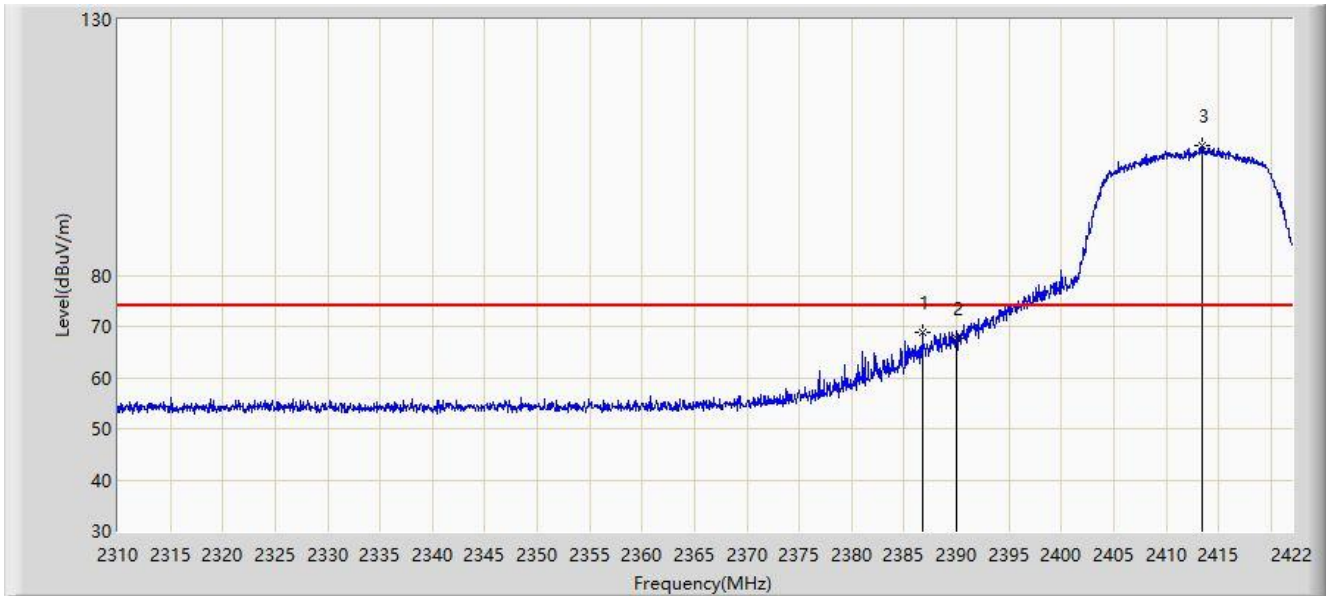


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.704	96.307	65.429	N/A	N/A	30.878	AV
2			2483.500	46.477	15.588	-7.523	54.000	30.889	AV
3			2485.648	45.706	14.806	-8.294	54.000	30.900	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

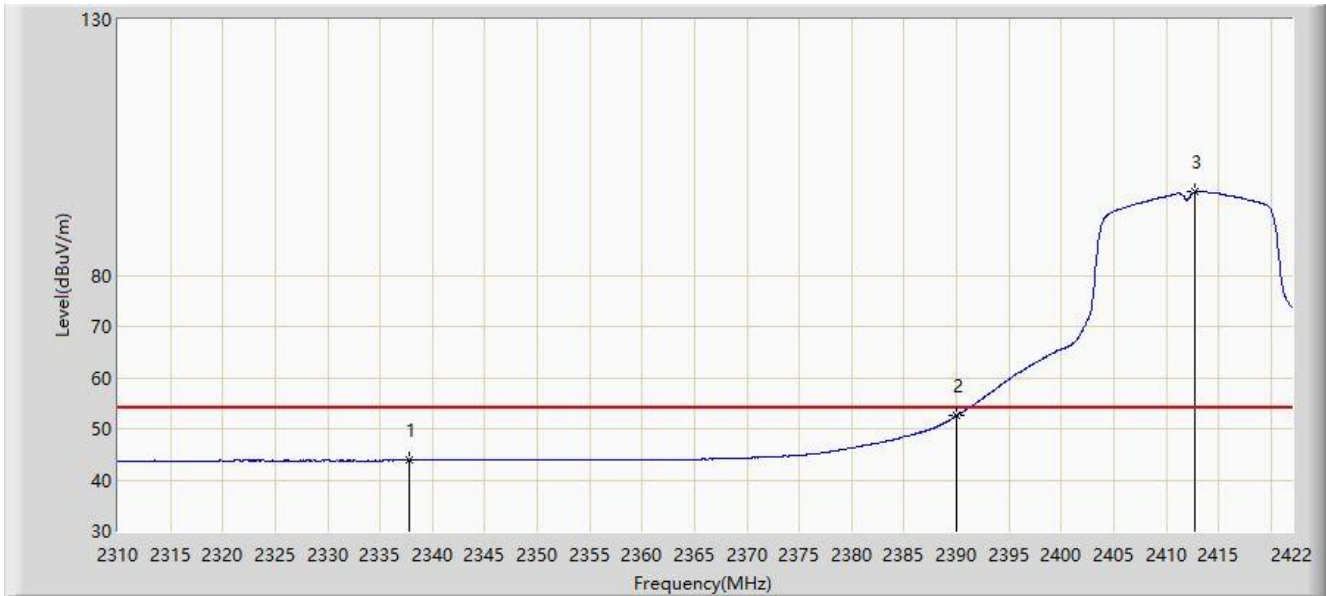


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2386.720	68.914	38.009	-5.085	74.000	30.905	PK
2			2390.000	67.790	36.887	-6.210	74.000	30.903	PK
3		*	2413.432	105.219	74.251	N/A	N/A	30.968	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

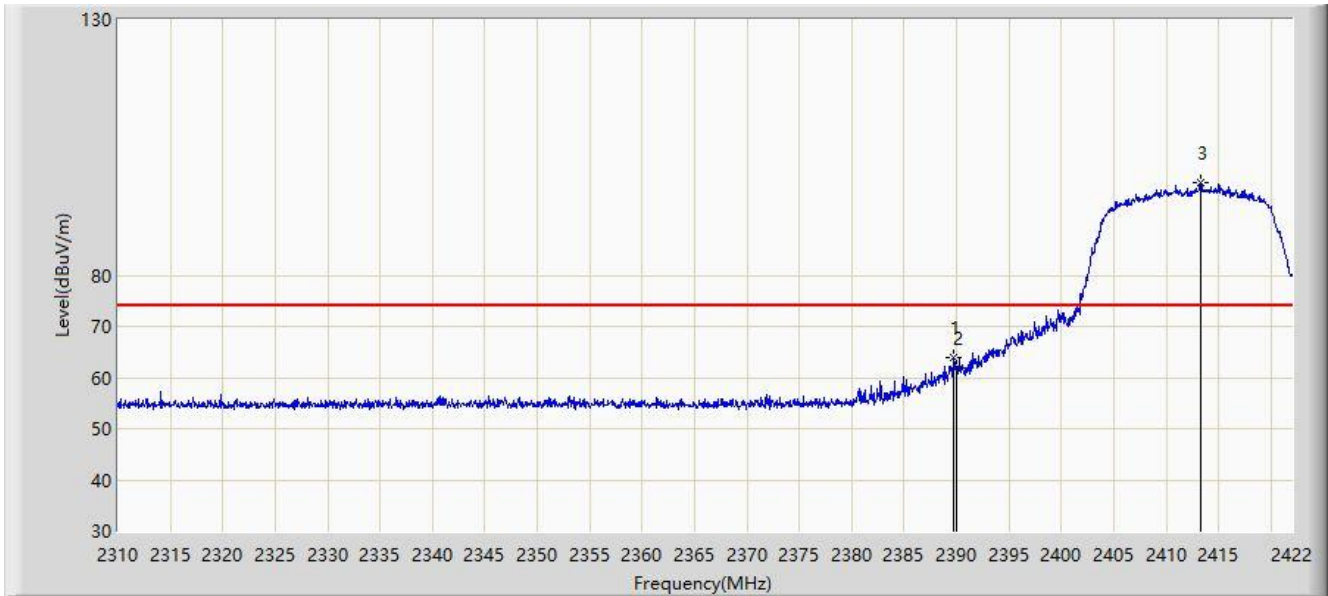


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2337.776	43.841	12.670	-10.159	54.000	31.171	AV
2			2390.000	52.605	21.702	-1.395	54.000	30.903	AV
3		*	2412.760	96.321	65.351	N/A	N/A	30.970	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.744	63.859	32.956	-10.141	74.000	30.904	PK
2			2390.000	61.758	30.855	-12.242	74.000	30.903	PK
3		*	2413.320	98.010	67.042	N/A	N/A	30.968	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

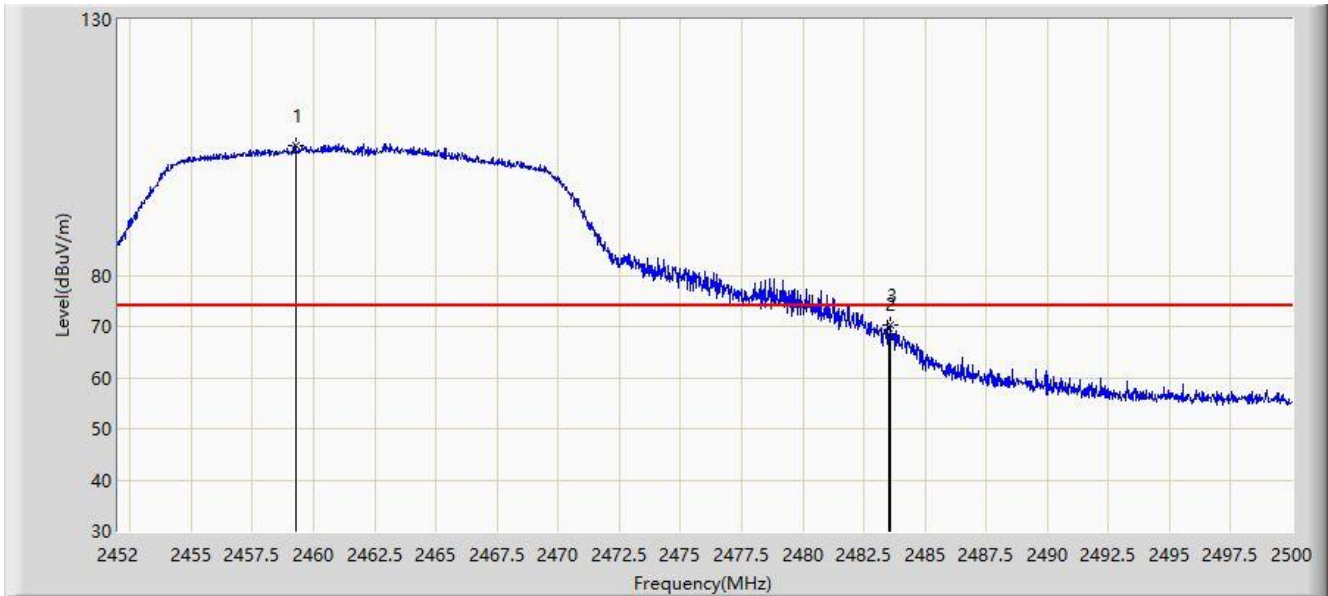


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2375.240	43.512	12.590	-10.488	54.000	30.922	AV
2			2390.000	46.367	15.464	-7.633	54.000	30.903	AV
3		*	2412.760	88.260	57.290	N/A	N/A	30.970	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

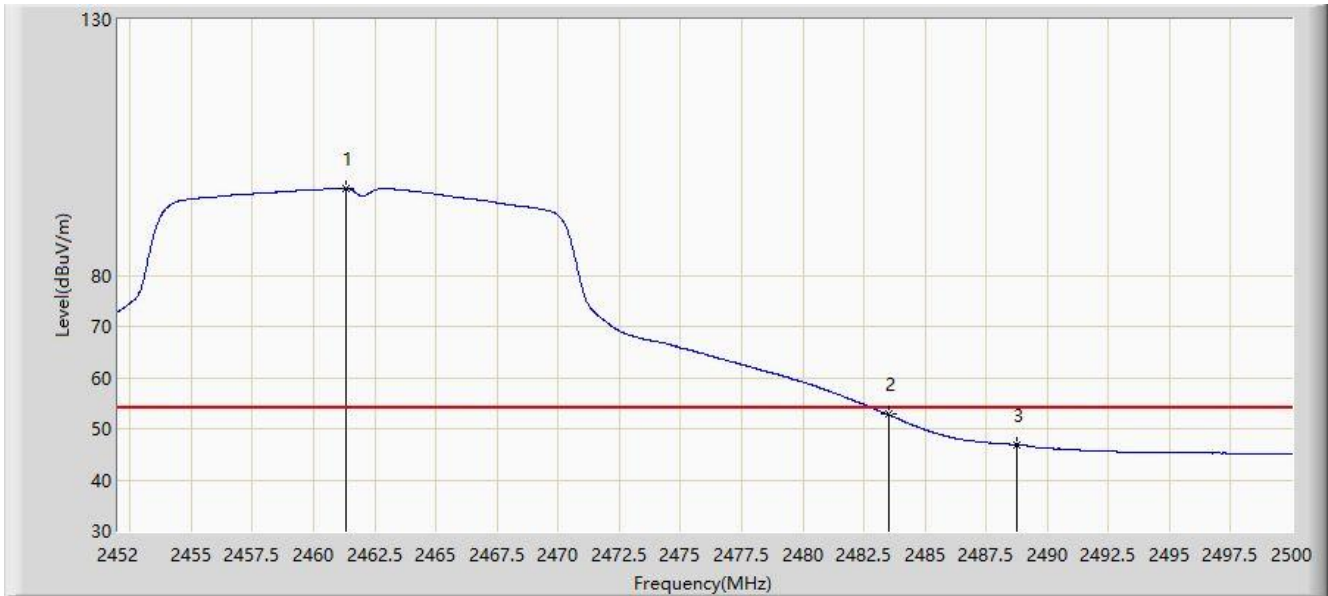


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2459.272	105.374	74.494	N/A	N/A	30.880	PK
2			2483.500	68.477	37.588	-5.523	74.000	30.889	PK
3			2483.608	70.365	39.476	-3.635	74.000	30.889	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

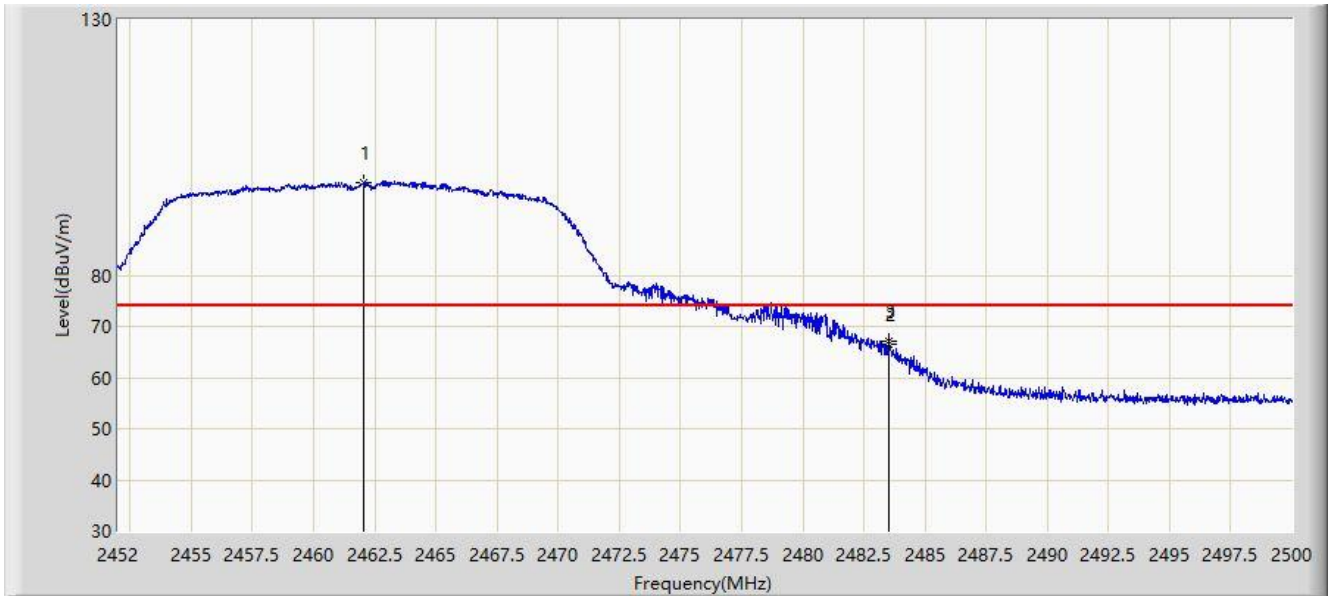


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2461.312	96.949	66.071	N/A	N/A	30.878	AV
2			2483.500	52.811	21.922	-1.189	54.000	30.889	AV
3			2488.768	46.949	16.034	-7.051	54.000	30.915	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

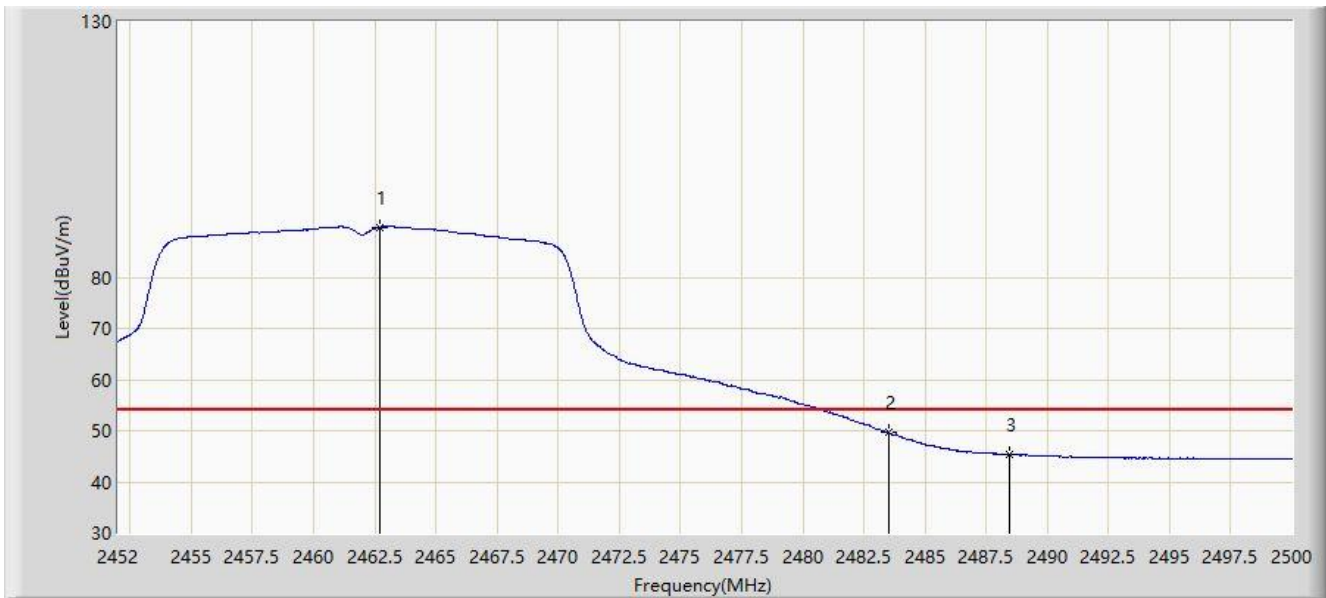


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.056	98.190	67.312	N/A	N/A	30.878	PK
2			2483.500	66.435	35.546	-7.565	74.000	30.889	PK
3			2483.512	67.127	36.238	-6.873	74.000	30.889	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

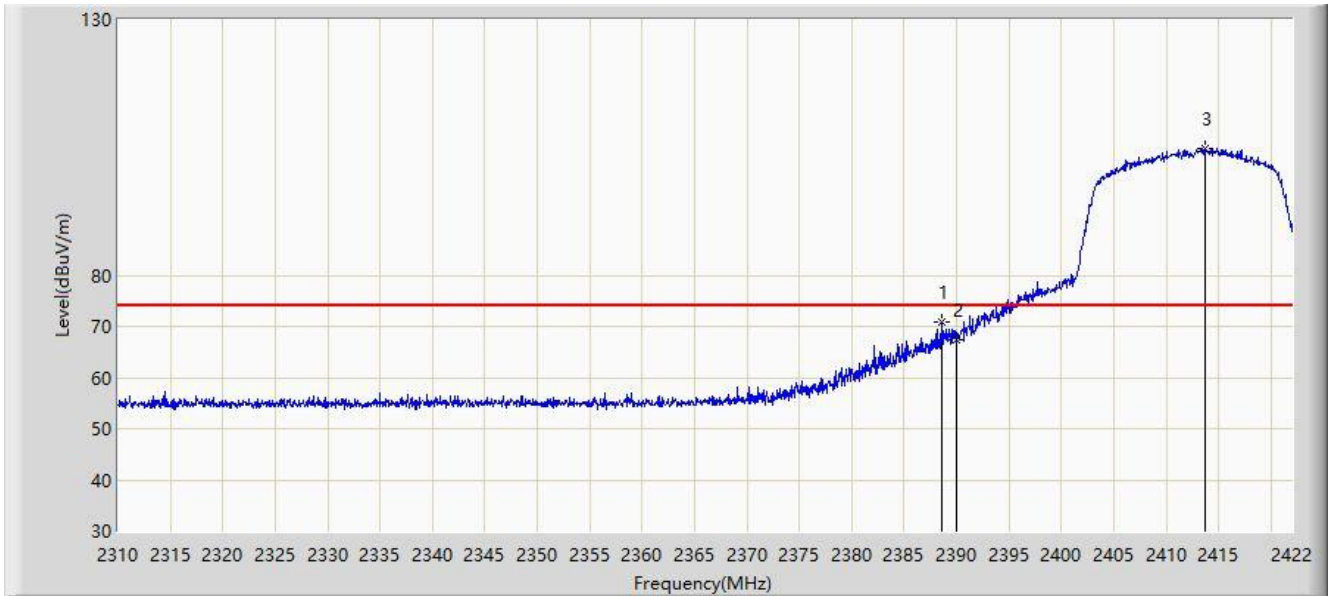


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.704	89.808	58.930	N/A	N/A	30.878	AV
2			2483.500	49.599	18.710	-4.401	54.000	30.889	AV
3			2488.480	45.390	14.476	-8.610	54.000	30.914	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

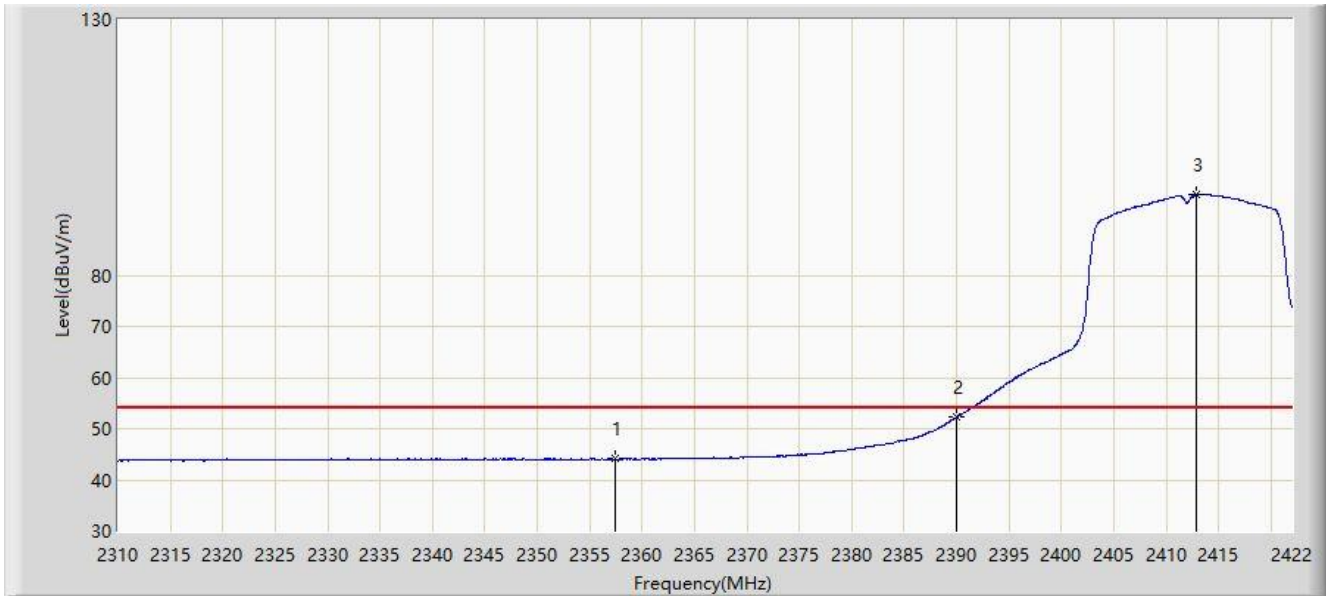


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2388.624	70.817	39.913	-3.183	74.000	30.904	PK
2			2390.000	67.456	36.553	-6.544	74.000	30.903	PK
3		*	2413.656	104.778	73.811	N/A	N/A	30.967	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

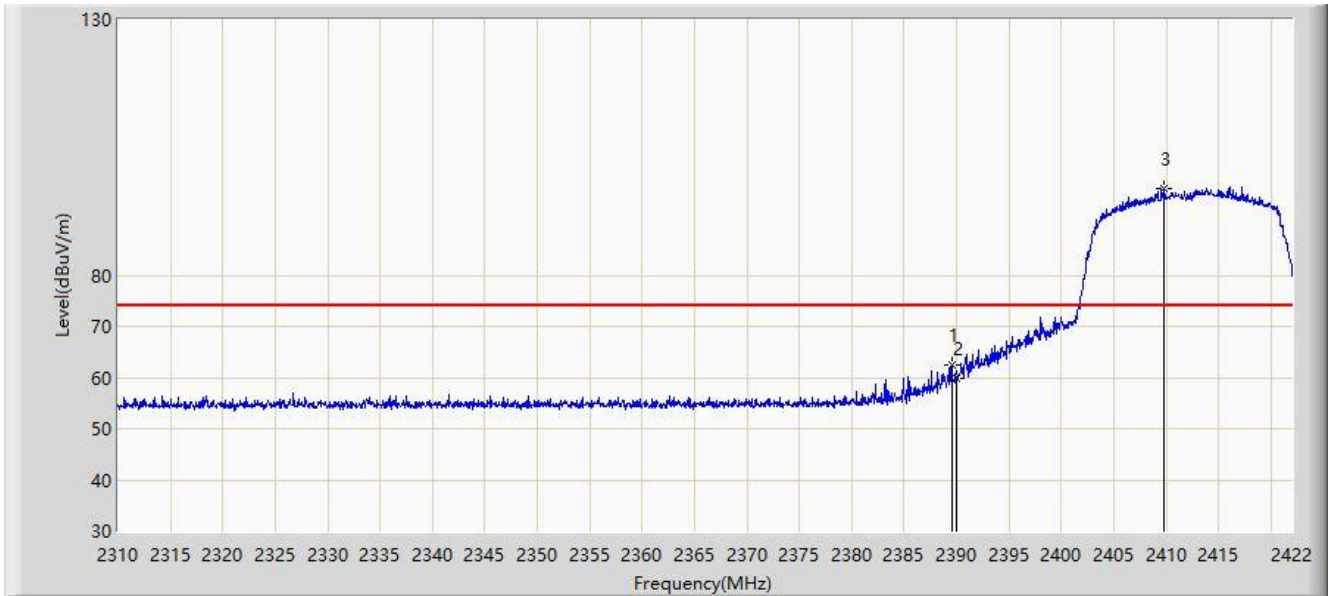


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2357.432	44.184	13.165	-9.816	54.000	31.019	AV
2			2390.000	52.226	21.323	-1.774	54.000	30.903	AV
3		*	2412.872	95.863	64.893	N/A	N/A	30.970	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

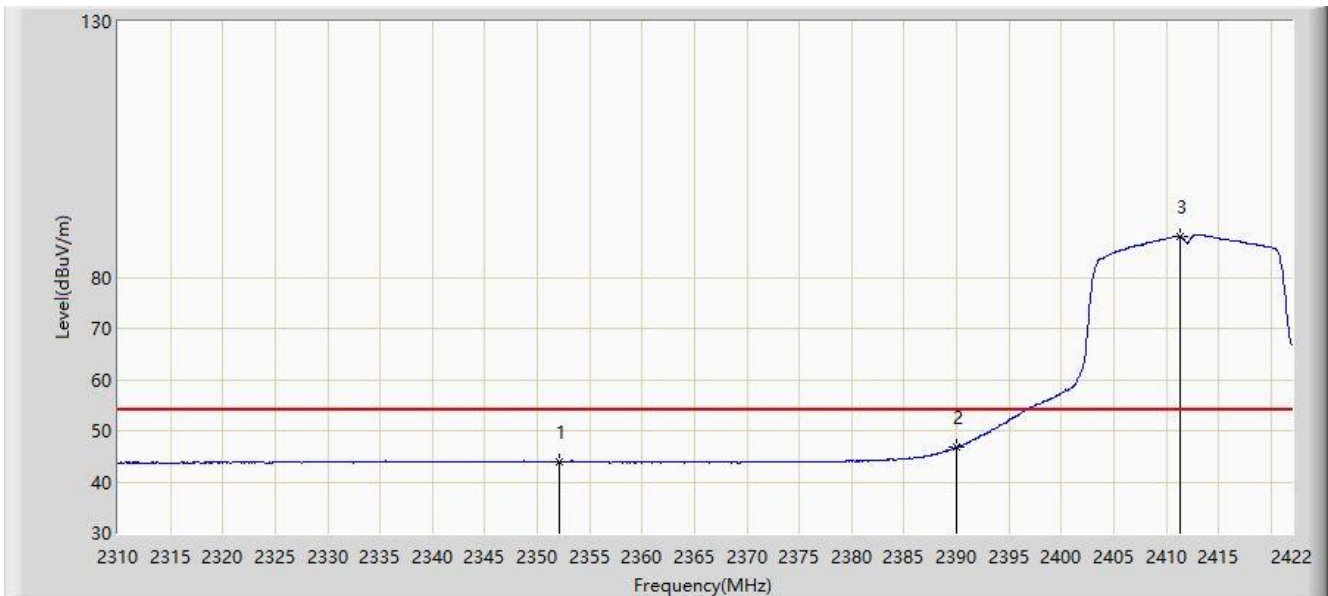


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.576	62.390	31.487	-11.610	74.000	30.903	PK
2			2390.000	59.882	28.979	-14.118	74.000	30.903	PK
3		*	2409.848	96.928	65.958	N/A	N/A	30.970	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

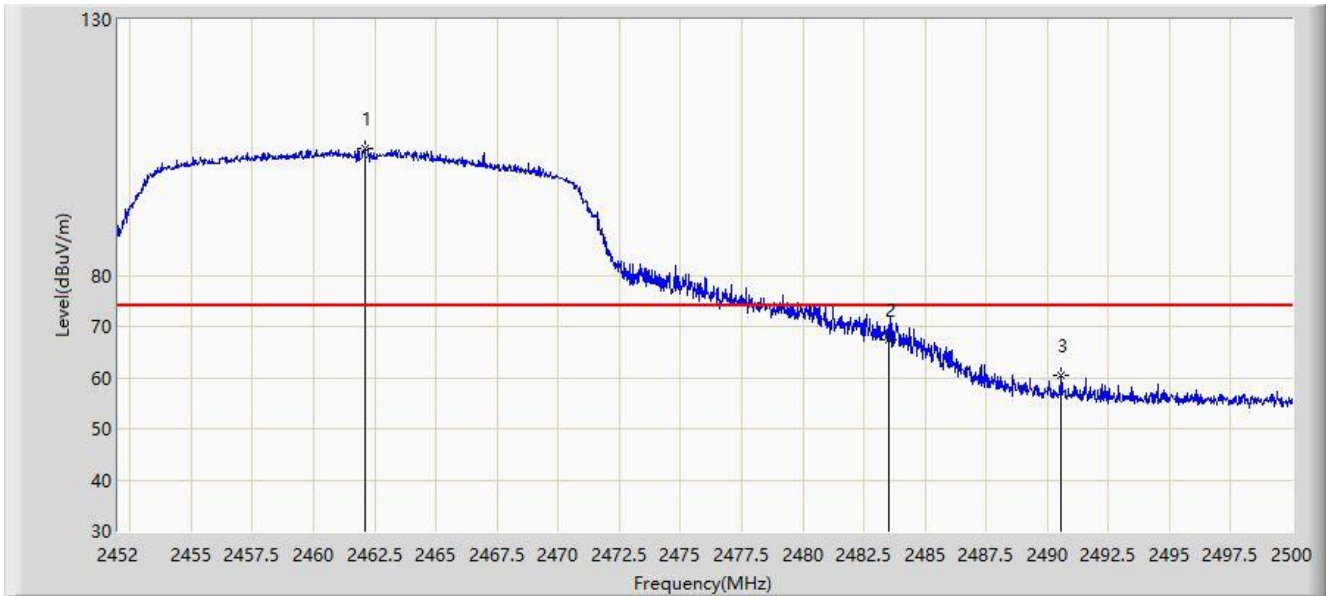


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2352.112	43.872	12.791	-10.128	54.000	31.081	AV
2			2390.000	46.759	15.856	-7.241	54.000	30.903	AV
3		*	2411.304	87.972	56.997	N/A	N/A	30.975	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz	

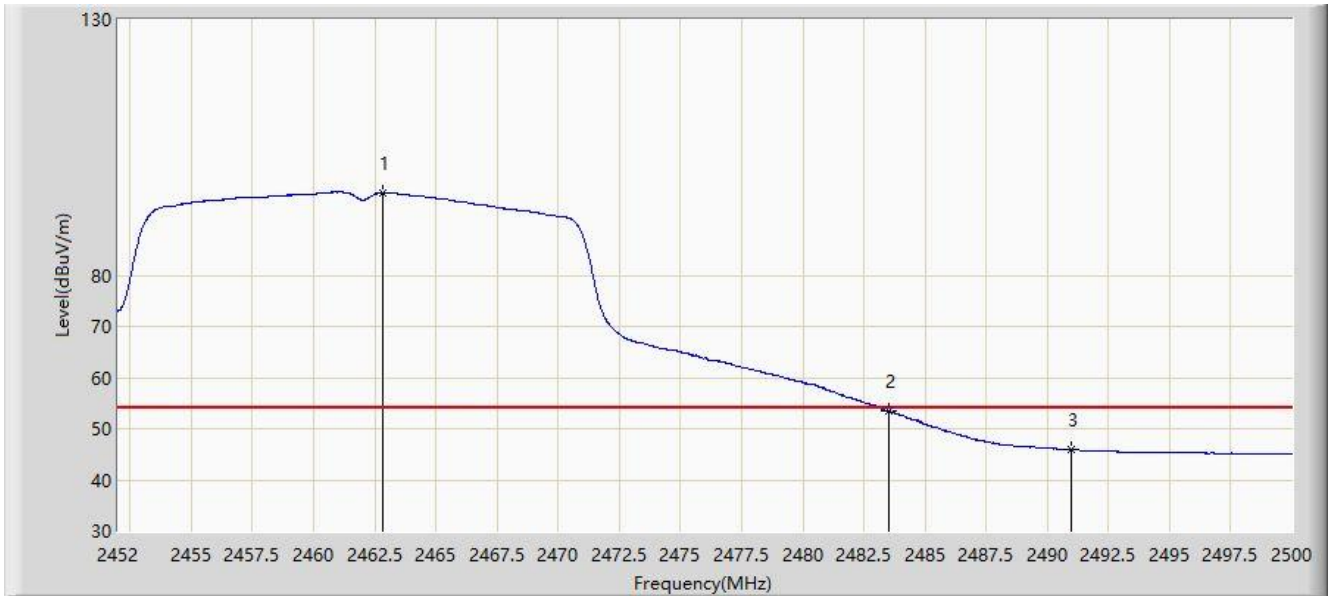


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2462.080	104.867	73.989	N/A	N/A	30.878	PK
2			2483.500	67.498	36.609	-6.502	74.000	30.889	PK
3			2490.544	60.379	29.455	-13.621	74.000	30.924	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz	

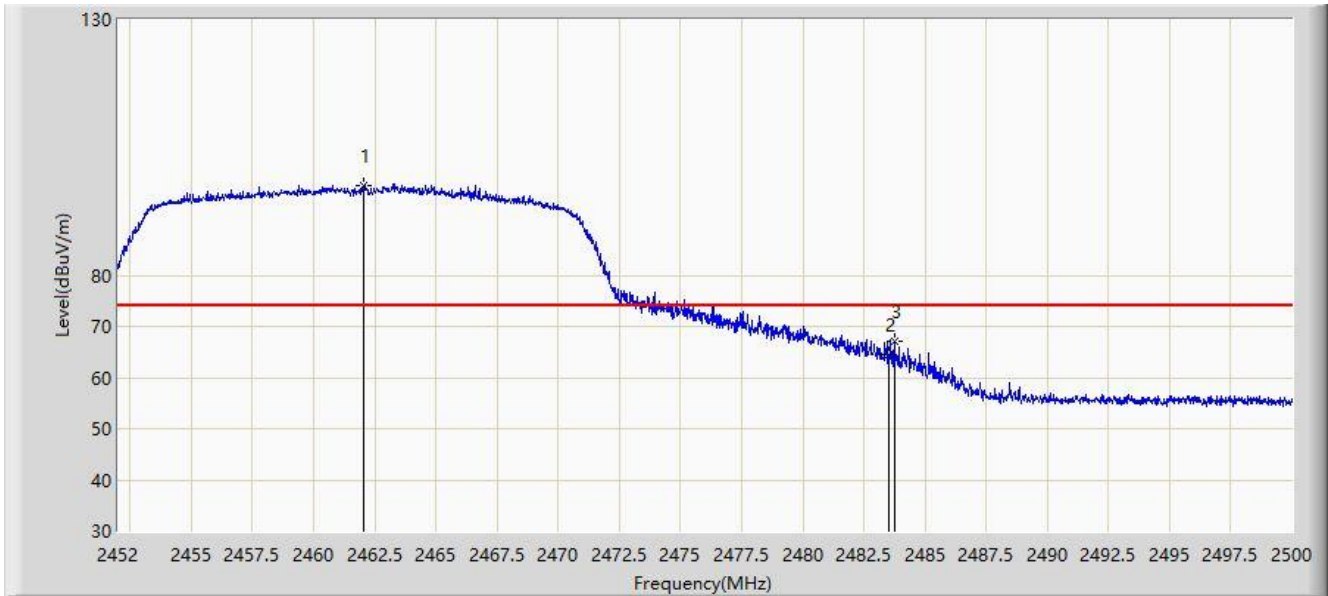


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.800	96.177	65.299	N/A	N/A	30.878	AV
2			2483.500	53.514	22.625	-0.486	54.000	30.889	AV
3			2490.976	46.006	15.080	-7.994	54.000	30.926	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz	

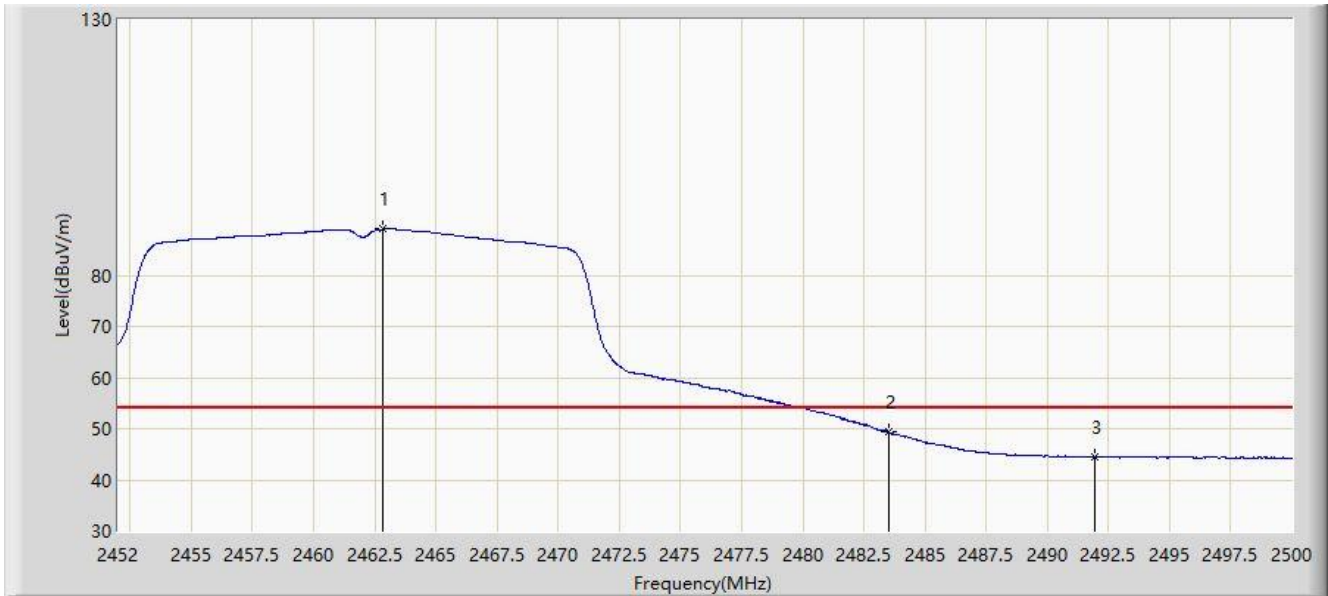


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.056	97.580	66.702	N/A	N/A	30.878	PK
2			2483.500	64.522	33.633	-9.478	74.000	30.889	PK
3			2483.752	67.225	36.335	-6.775	74.000	30.890	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz	

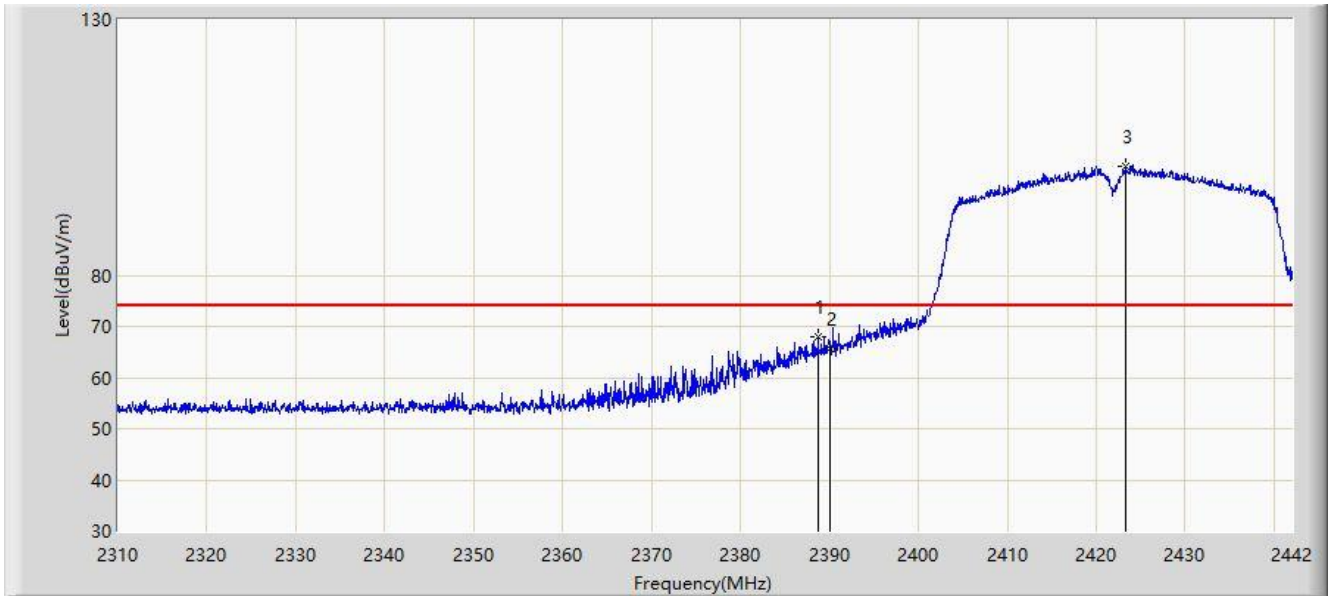


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.800	88.986	58.108	N/A	N/A	30.878	AV
2			2483.500	49.292	18.403	-4.708	54.000	30.889	AV
3			2491.912	44.454	13.523	-9.546	54.000	30.931	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

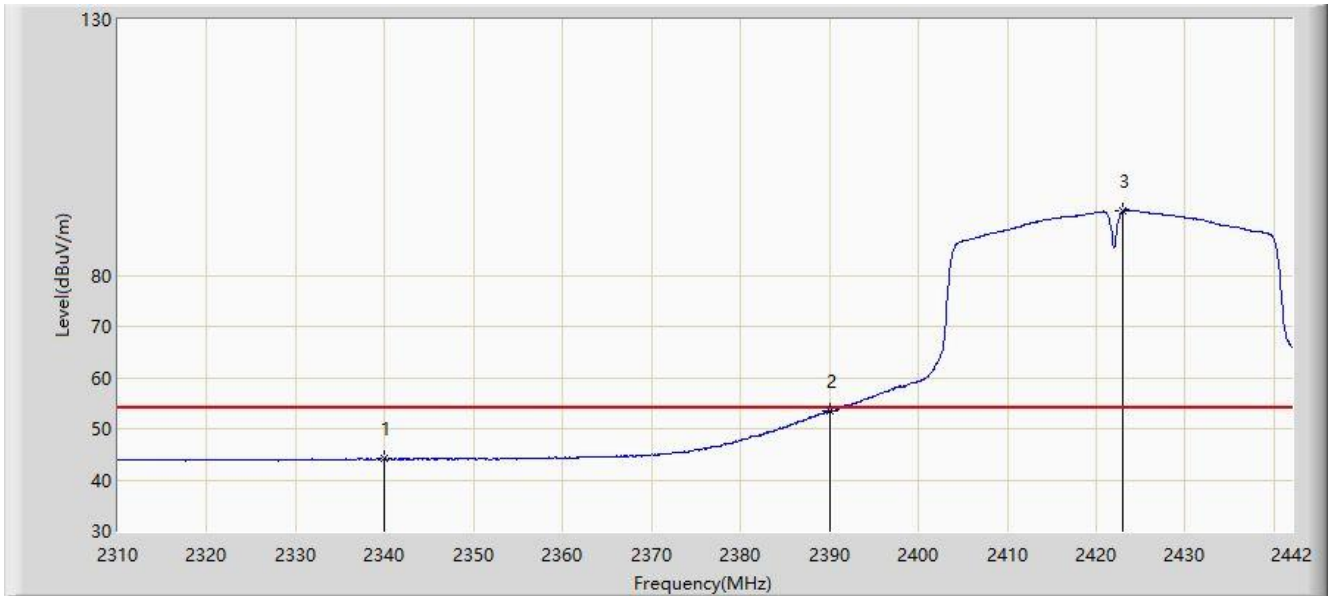


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2388.738	68.063	37.159	-5.937	74.000	30.904	PK
2			2390.000	65.724	34.821	-8.276	74.000	30.903	PK
3		*	2423.256	101.372	70.434	N/A	N/A	30.938	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

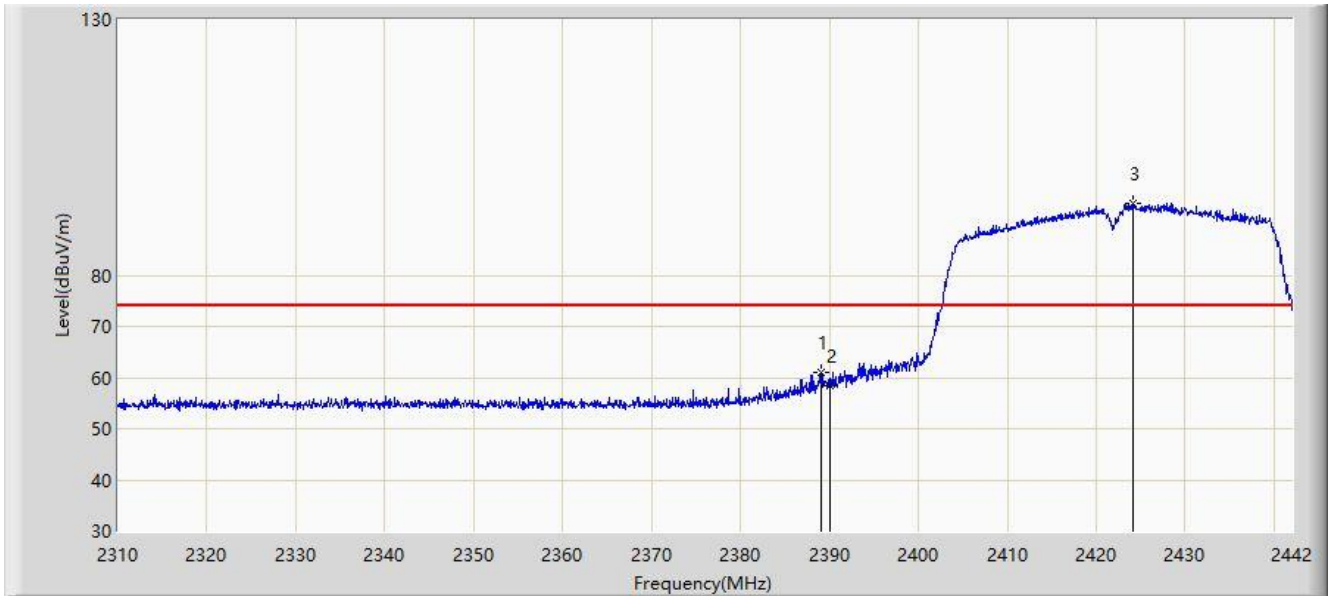


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2339.964	44.178	12.999	-9.823	54.000	31.179	AV
2			2390.000	53.437	22.534	-0.563	54.000	30.903	AV
3		*	2423.058	92.607	61.668	N/A	N/A	30.939	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

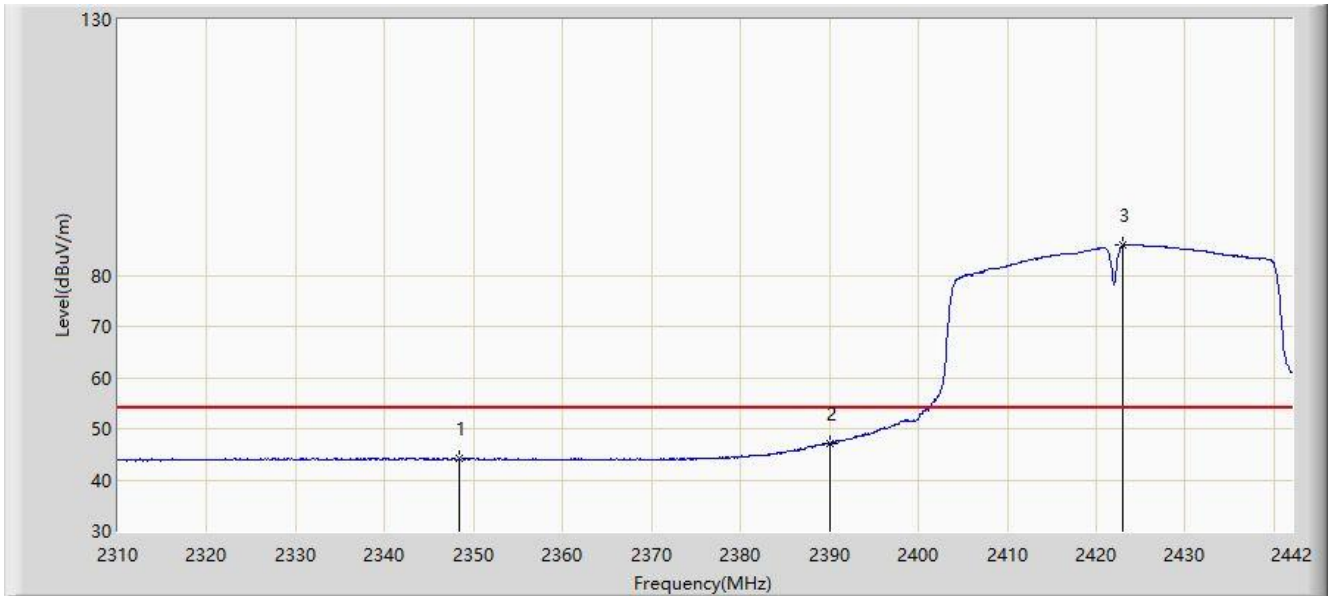


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.068	60.886	29.982	-13.114	74.000	30.904	PK
2			2390.000	58.519	27.616	-15.481	74.000	30.903	PK
3		*	2424.114	94.139	63.203	N/A	N/A	30.936	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

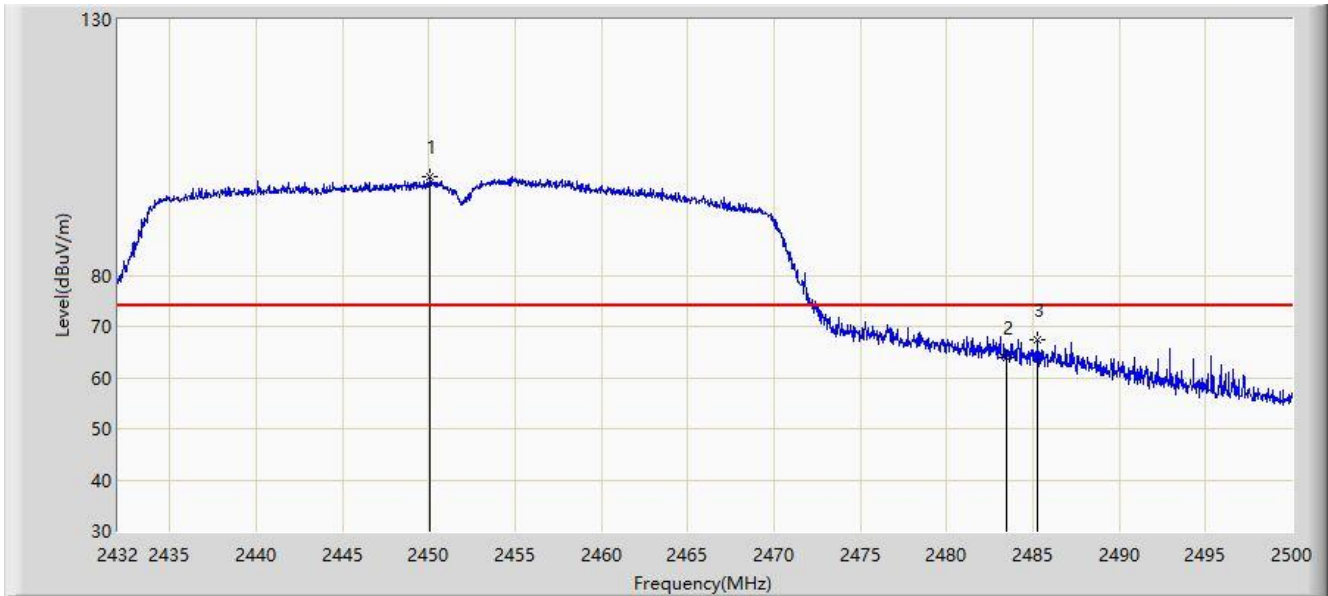


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2348.412	44.151	13.026	-9.849	54.000	31.125	AV
2			2390.000	47.112	16.209	-6.888	54.000	30.903	AV
3		*	2423.058	85.819	54.880	N/A	N/A	30.939	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz	

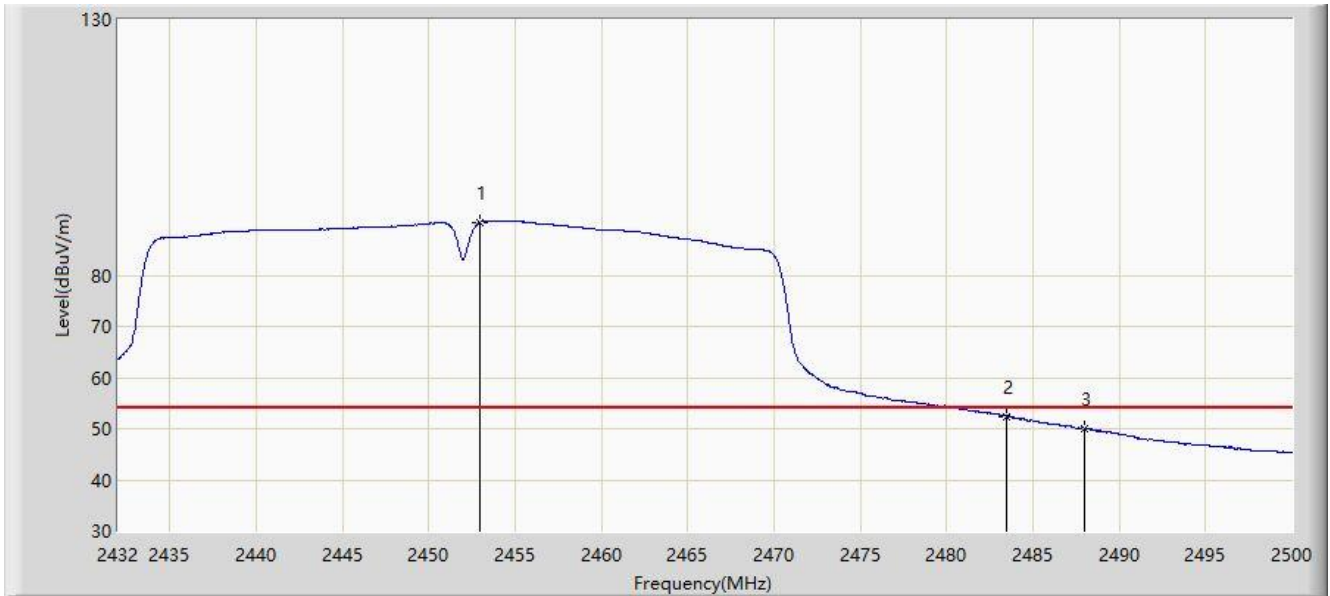


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2450.088	99.138	68.254	N/A	N/A	30.884	PK
2			2483.500	64.020	33.131	-9.980	74.000	30.889	PK
3			2485.244	67.280	36.382	-6.720	74.000	30.898	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz	

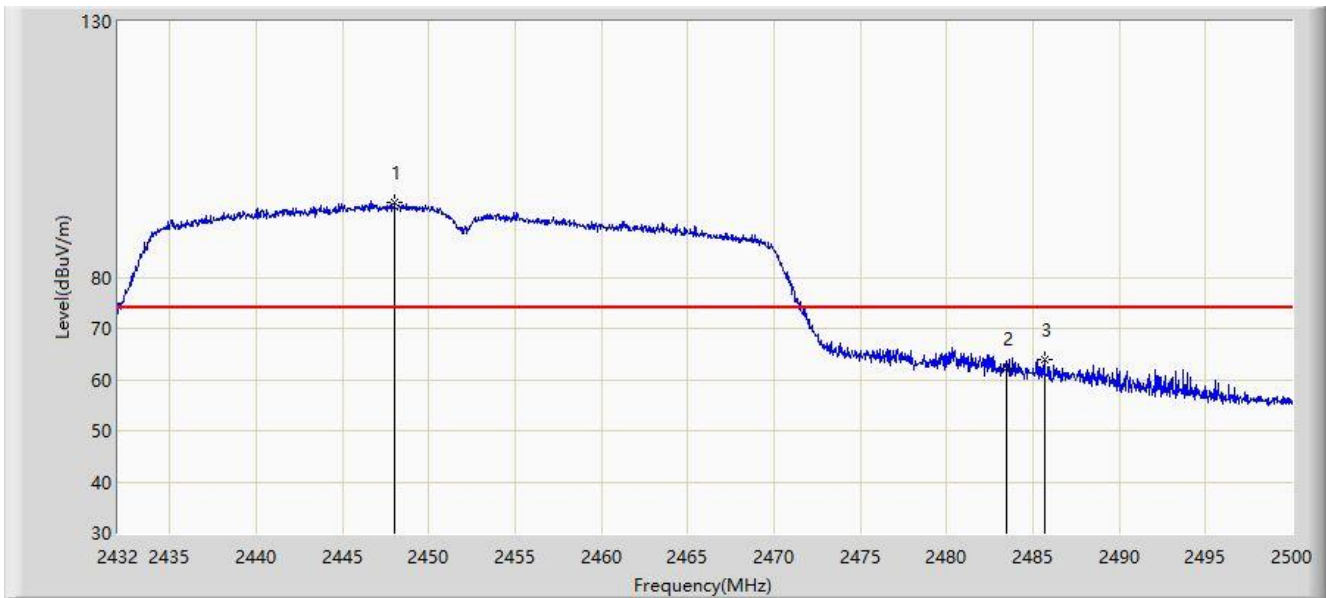


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2452.978	90.423	59.541	N/A	N/A	30.882	AV
2			2483.500	52.438	21.549	-1.562	54.000	30.889	AV
3			2487.998	50.104	19.193	-3.896	54.000	30.911	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz	

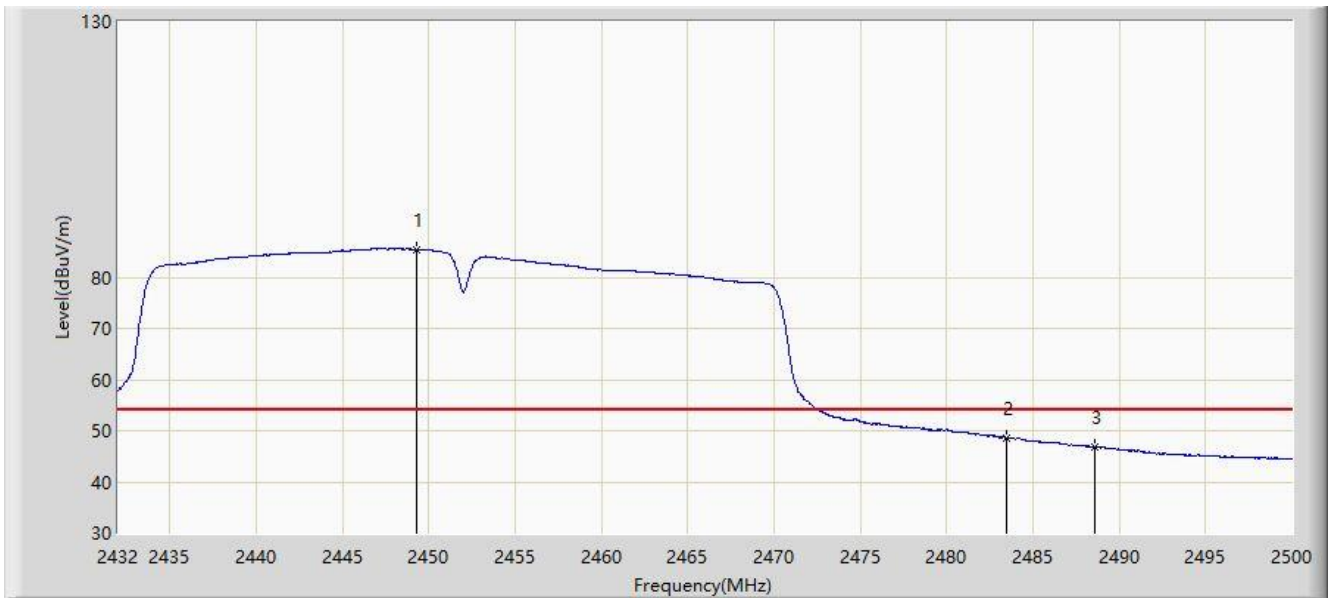


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2448.014	94.540	63.656	N/A	N/A	30.884	PK
2			2483.500	62.306	31.417	-11.694	74.000	30.889	PK
3			2485.652	63.943	33.043	-10.057	74.000	30.900	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/10/13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Nautiz X9	Power: AC 120/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz	



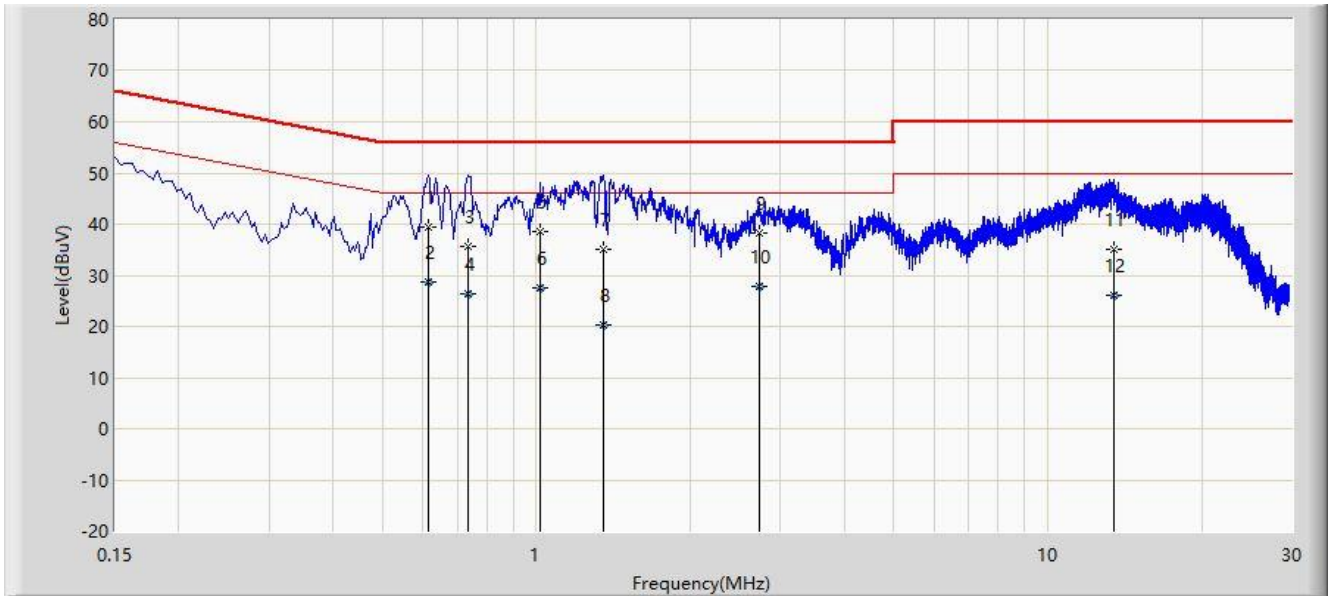
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2449.306	85.485	54.602	N/A	N/A	30.883	AV
2			2483.500	48.607	17.718	-5.393	54.000	30.889	AV
3			2488.542	46.939	16.025	-7.061	54.000	30.914	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

A.7 AC Conducted Emissions Test Result

Site: NS-SR2	Time: 2021/10/29
Limit: FCC_Part15.207_CE_AC Power	Engineer: Flag Yang
Probe: ENV216_102493_150KHz~30MHz	Polarity: Line
EUT: Nautiz X9	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

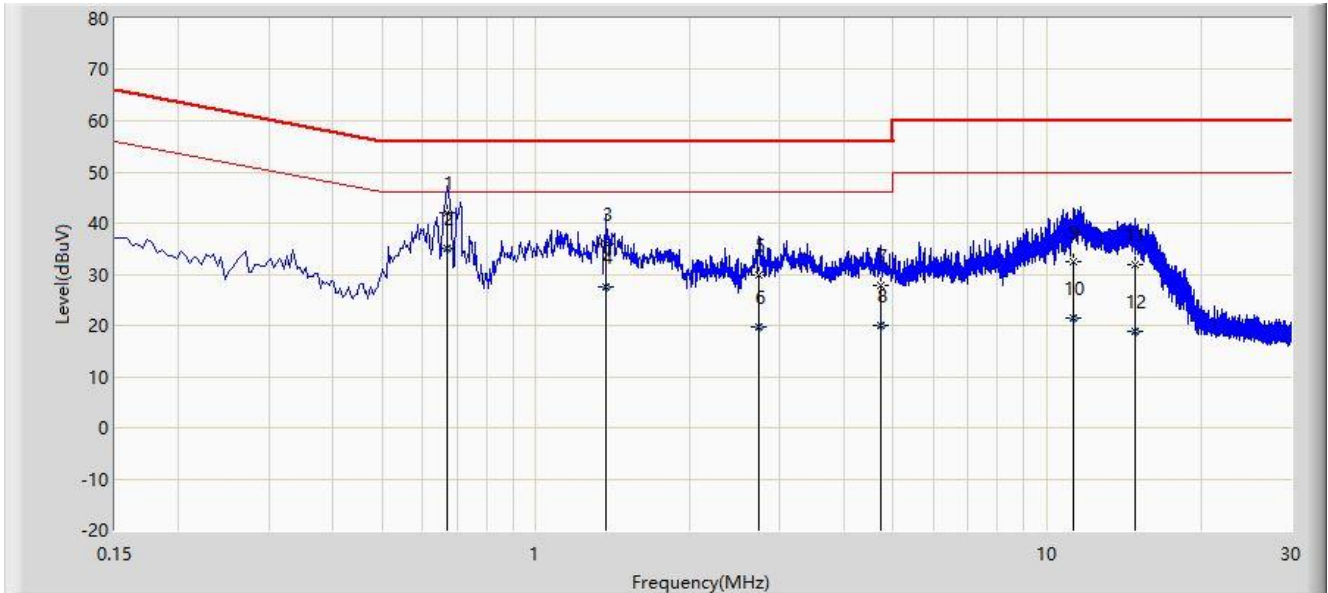


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.614	39.451	29.753	-16.549	56.000	9.698	QP
2			0.614	28.551	18.853	-17.449	46.000	9.698	AV
3			0.734	35.797	26.091	-20.203	56.000	9.706	QP
4			0.734	26.393	16.687	-19.607	46.000	9.706	AV
5			1.014	38.409	28.679	-17.591	56.000	9.730	QP
6			1.014	27.545	17.815	-18.455	46.000	9.730	AV
7			1.354	35.209	25.469	-20.791	56.000	9.740	QP
8			1.354	20.208	10.468	-25.792	46.000	9.740	AV
9			2.722	38.271	28.481	-17.729	56.000	9.790	QP
10			2.722	27.882	18.092	-18.118	46.000	9.790	AV
11			13.462	35.099	25.061	-24.901	60.000	10.038	QP
12			13.462	25.948	15.910	-24.052	50.000	10.038	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: NS-SR2	Time: 2021/10/29
Limit: FCC_Part15.207_CE_AC Power	Engineer: Flag Yang
Probe: ENV216_102493_150KHz~30MHz	Polarity: Neutral
EUT: Nautiz X9	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.670	41.984	32.342	-14.016	56.000	9.642	QP
2		*	0.670	35.123	25.481	-10.877	46.000	9.642	AV
3			1.374	35.942	26.261	-20.058	56.000	9.681	QP
4			1.374	27.628	17.947	-18.372	46.000	9.681	AV
5			2.734	29.742	20.012	-26.258	56.000	9.730	QP
6			2.734	19.709	9.979	-26.291	46.000	9.730	AV
7			4.722	27.841	18.020	-28.159	56.000	9.821	QP
8			4.722	19.886	10.065	-26.114	46.000	9.821	AV
9			11.234	32.335	22.283	-27.665	60.000	10.052	QP
10			11.234	21.439	11.387	-28.561	50.000	10.052	AV
11			14.822	31.807	21.665	-28.193	60.000	10.142	QP
12			14.822	18.713	8.571	-31.287	50.000	10.142	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Appendix B – Test Setup Photograph

Refer to “2109RSU034-UT” file.

Appendix C – EUT Photograph

Refer to “2109RSU034-UE” file.

————— The End —————