

FCC PART 15 SUBPART C TEST REPORT

for

Handheld GPS

Model No.: AB3556

FCC ID: IPH-B3556

of

Applicant: **Garmin International Inc**

Address: 1200 E. 151st Street Olathe, Kansas United States 66062

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. 20037

A2LA Accredited No.: 2732.01



Report No.: W6M21912-19555-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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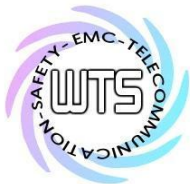


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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

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Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

Tester:

April 17, 2020

Sora Kuo

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

April 17, 2020

Kevin Wang

Date

WTS

Name

Signature



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1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Lishui, Shuang Sing Village,
Wanli Dist., New Taipei City 207,
Taiwan (R.O.C.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046

Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory
A2LA accredited number: 2732.01
FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072
Industry Canada filed test laboratory Reg. No. 20037

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

Name: ./.
Accredited number: ./.
Street: ./.
Town: ./.
Country: ./.
Telephone: ./.
Fax: ./.

1.3 Details of approval holder

Name: Garmin International Inc
Street: 1200 E. 151st Street
Town: Olathe, Kansas
Country: United States 66062
Telephone: (913) 397-8448
Fax: (913) 397-8282



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1.4 Application details

Date of receipt of test item: February 04, 2020
Date of test: from February 05, 2020 to April 15, 2020

1.5 General information of Test item

Type of test item: Handheld GPS
Model Number: AB3556
Brand Name: GARMIN
Multi-listing model number: ./.
Photos: ./.

Technical data

Frequency band: 2.4 GHz – 2.4835 GHz

802.11b, g

Frequency (ch 1): 2.412 GHz
Frequency (ch 6): 2.437 GHz
Frequency (ch 11): 2.462 GHz

Bluetooth Normal, EDR

Frequency (ch 0): 2.402 GHz
Frequency (ch 39): 2.441 GHz
Frequency (ch 78): 2.480 GHz

Bluetooth Low Energy

Frequency (ch 0): 2.402 GHz
Frequency (ch 19): 2.440 GHz
Frequency (ch 39): 2.480 GHz



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Number of Channels: 802.11b, g: 11 channels
 Bluetooth: 79 channels(normal & EDR), 40 channels(BLE)

Operation modes: Duplex

Modulation Type: DSSS/OFDM、GFSK、 $\pi/4$ DQPSK、8DPSK

Fixed point-to-point operation: Yes / No

Type of Antenna: PCB Antenna

Antenna gain: 0.35 dBi

Power supply: Battery 3.8Vd.c., 3100mAh, 11.78Wh

Emission designator: WLAN
 802.11b: 13M6G1D
 802.11g: 16M5D1D
 Bluetooth
 Normal: 895KF1D
 EDR: 1M21F1D
 BLE: 1M03G1D

Host device: none

Classification :

Fixed Device	<input type="checkbox"/>
Mobile Device (Human Body distance > 20cm)	<input type="checkbox"/>
Portable Device (Human Body distance < 20cm)	<input checked="" type="checkbox"/>
Modular Radio Device	<input type="checkbox"/>



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Transmitter

Unom

Mode A (802.11b)

Power (ch 1 or A):	Conducted: 7.76 dBm
Power (ch 6 or B):	Conducted: 8.17 dBm
Power (ch 11 or C):	Conducted: 8.38 dBm

Mode B (802.11g)

Power (ch 1 or A):	Conducted: 8.11 dBm
Power (ch 6 or B):	Conducted: 8.40 dBm
Power (ch 11 or C):	Conducted: 8.72 dBm

Mode C (Bluetooth Normal mode)

Power (ch 0 or A):	Conducted: 1.44 dBm
Power (ch 39 or B):	Conducted: 1.01 dBm
Power (ch 78 or C):	Conducted: 3.22 dBm

Mode D (Bluetooth EDR mode)

Power (ch 0 or A):	Conducted: 1.25 dBm
Power (ch 39 or B):	Conducted: 0.75 dBm
Power (ch 78 or C):	Conducted: 2.86 dBm

Mode E (Bluetooth Low energy)

Power (ch 0 or A):	Conducted: 0.47 dBm
Power (ch 19 or B):	Conducted: 2.12 dBm
Power (ch 39 or C):	Conducted: 3.59 dBm

Manufacturer: (if applicable)

Name:	./.
Street:	./.
Town:	./.
Country:	./.

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2019-10)



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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

or

The deviations were ascertained in the course of the tests performed.

2.2 Test environment

Relative humidity content: 20 ... 75 %
 Air pressure: 86 ... 103 kPa
 Power supply: Battery 3.8Vd.c., 3100mAh, 11.78Wh
 Extreme conditions parameters: ./.

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty : AMN : 1.06 dB Voltage probe : 1.12 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty : 0.009-30 MHz : 1.88 dB 30-1000 MHz : 2.79 dB 1-18 GHz : 2.36 dB 18-40 GHz : 1.55 dB
Estimation Result of Uncertainty of Bandwidth Measurement 20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement Output power	Expanded Uncertainty : 1.14 dB
Estimation Result of Uncertainty of Power Density Measurement Power density	Expanded Uncertainty : 1.45 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 1.01 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement Hopping channel separation	Expanded Uncertainty : 554.14 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement Dwell time	Expanded Uncertainty : 0.1 ms

The decision rule is : Measurement uncertainty is not taken into account.



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2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2019/6/4	2020/6/3
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2019/11/1	2020/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2019/9/24	2020/9/23
ETSTW-CE 008	HF-EICHLITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2019/7/23	2020/7/22
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2019/10/3	2020/10/2
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2019/7/18	2020/7/17
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2019/6/4	2020/6/3
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2019/5/29	2020/5/28
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2019/7/25	2020/7/24
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2019/7/22	2020/7/21
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2020/3/25	2021/3/24
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2020/2/18	2021/2/17
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2019/4/23	2020/4/22
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2019/5/13	2020/5/12
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2020/3/6	2021/3/5
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2020/2/20	2021/2/19
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2019/5/16	2020/5/15
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2019/9/23	2020/9/22
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2019/9/18	2020/9/17
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2019/5/9	2020/5/8
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	



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ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2020/1/13	2021/1/12
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2019/6/3	2020/6/2
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2019/8/8	2020/8/7
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2019/8/8	2020/8/7
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2020/2/20	2021/2/19
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2019/8/8	2020/8/7
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2019/8/8	2020/8/7
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2019/5/16	2020/5/15
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2020/3/25	2021/3/34
ETSTW-RF 002	Electromagnetic field probe	LF-30	K-0007	STT	2019/5/27	2020/5/26
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2019/5/16	2020/5/15
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2020/3/4	2021/3/3
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2020/3/25	2021/3/24
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2019/10/25	2020/10/24
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2020/1/13	2021/1/12
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2020/1/13	2021/1/12
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2020/1/13	2021/1/12
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2020/1/13	2021/1/12
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2019/9/12	2020/9/11
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2020/3/4	2021/3/3
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2019/8/9	2020/8/8
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2019/7/2	2020/7/1
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2020/2/20	2021/2/19
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2019/5/14	2020/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2019/9/18	2020/9/17
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2019/9/18	2020/9/17
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2020/2/20	2021/2/19
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2019/6/6	2020/6/5



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ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2019/9/24	2020/9/23
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM- NM-25000	170239	EMCI	2019/6/6	2020/6/5
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2019/5/16	2020/5/15
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	
ETSTW-TH 001	Thermohygrometer	608-H1	45204316	Testo	2019/9/9	2020/9/8
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2019/9/9	2020/9/8



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2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.10-2013 6.2 using a 50 μ H LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.10-2013 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB μ V) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz) METER READING + ACF + CABLE LOSS (to the receiver) = FS
33 20 dB μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.10-2013 6.2.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



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When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

Average = Peak + Duty Factor

Duty Factor = $20 \log(\text{dwell time}/T)$

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI STANDARD C63.10-2013 B.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



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3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equivalent isotropically radiated Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions radiated – Transmitter operating	15.247(d)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions conducted – Transmitter operating	15.247	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrier Frequency Separation	15.247(a) (1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Number of Hopping Frequencies	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20 dB Bandwidth	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum 6 dB Bandwidth	15.247(a)(2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Band-edge Compliance of RF Emission	15.247(d)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Peak Power Spectral Density	15.247(e)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Digital Part	15.109	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The following is intentionally left blank.



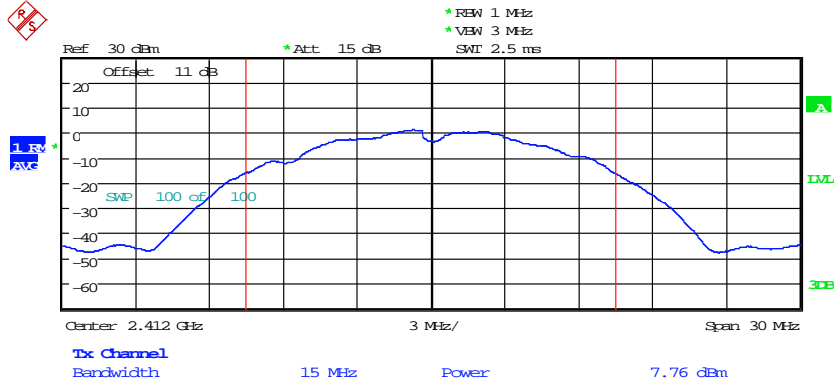
Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.
The power was measured with modulation (declared by the applicant).

Mode A

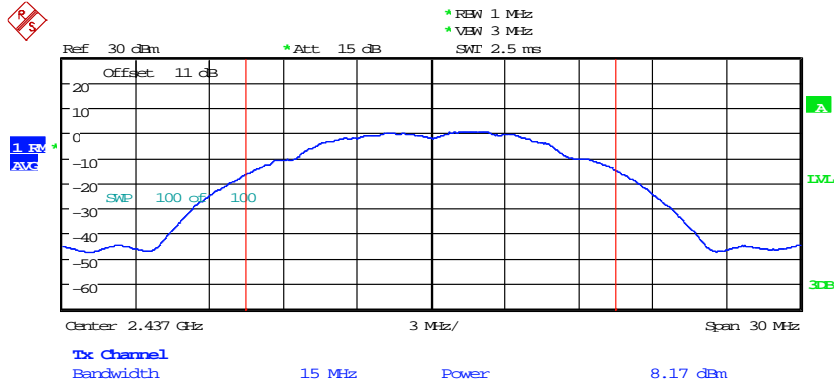


MAX OUTPUT POWER 802.11B CH01
Date: 5.MAR.2020 17:54:05



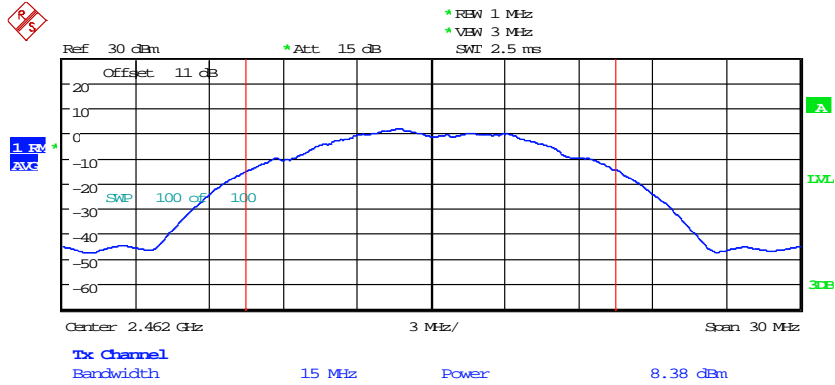
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



MAX OUTPUT POWER 802.11B CH06

Date: 5.MAR.2020 17:55:33



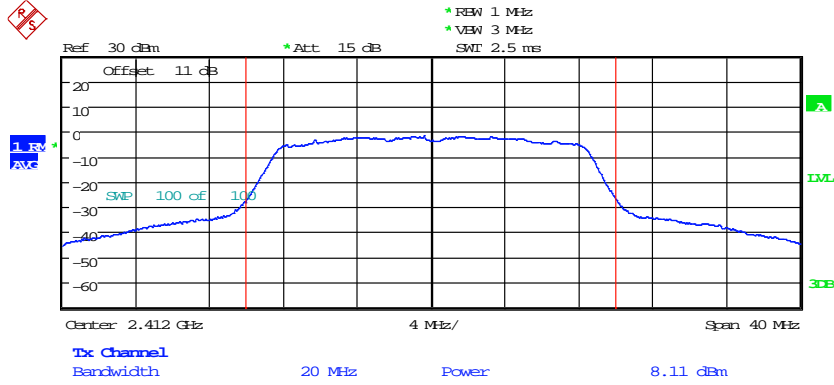
MAX OUTPUT POWER 802.11B CH11

Date: 5.MAR.2020 17:56:34

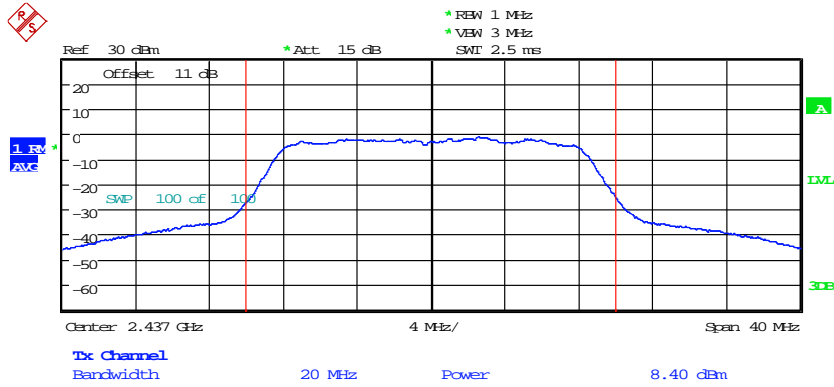


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Mode B



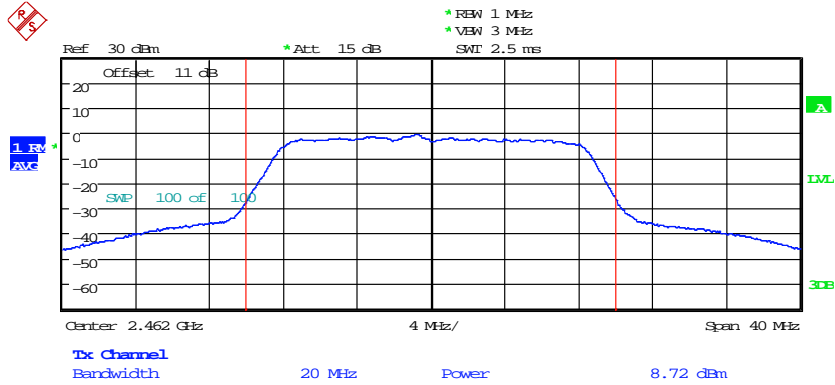
MAX OUTPUT POWER 802.11G CH01
Date: 5.MAR.2020 18:01:01



MAX OUTPUT POWER 802.11G CH06
Date: 5.MAR.2020 18:02:16



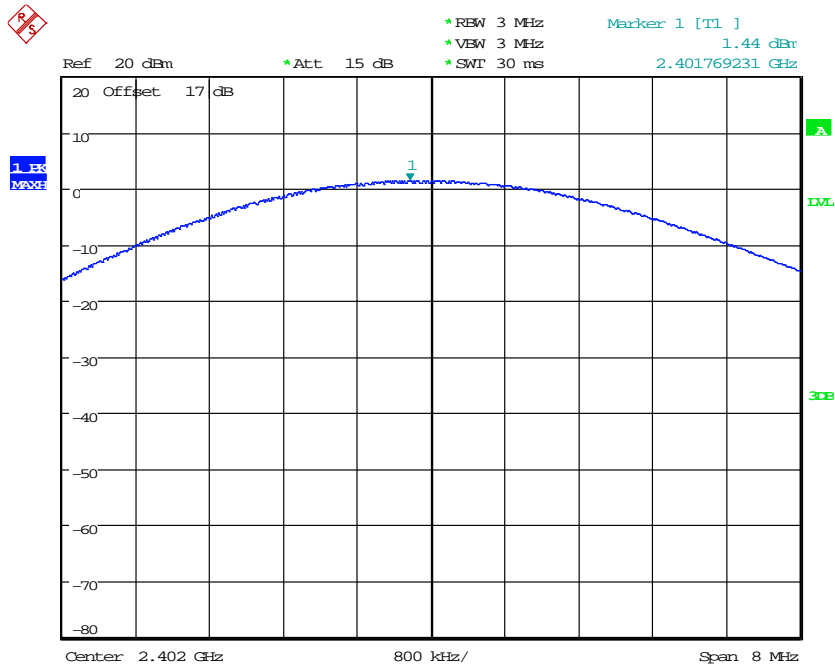
Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



MAX OUTPUT POWER 802.11G CH11

Date: 5.MAR.2020 18:03:14

Mode C



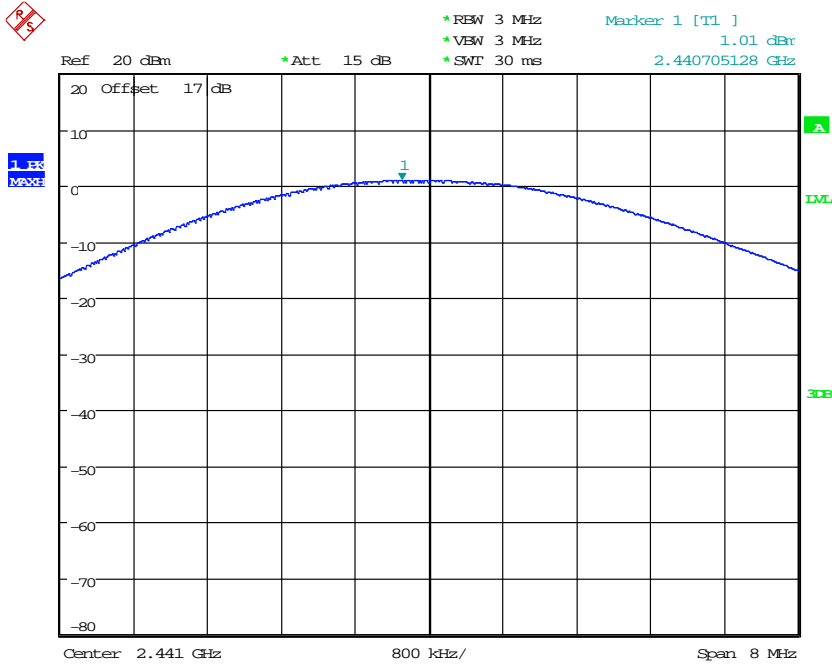
MAX OUTPUT POWER CH0

Date: 20.FEB.2020 13:50:11

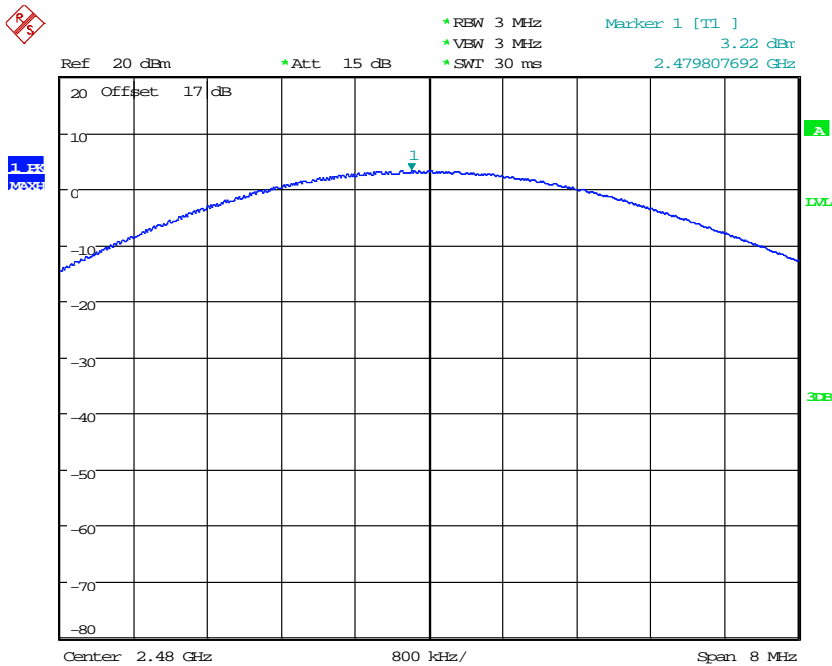


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



MAX OUTPUT POWER CH39
Date: 20.FEB.2020 13:51:51

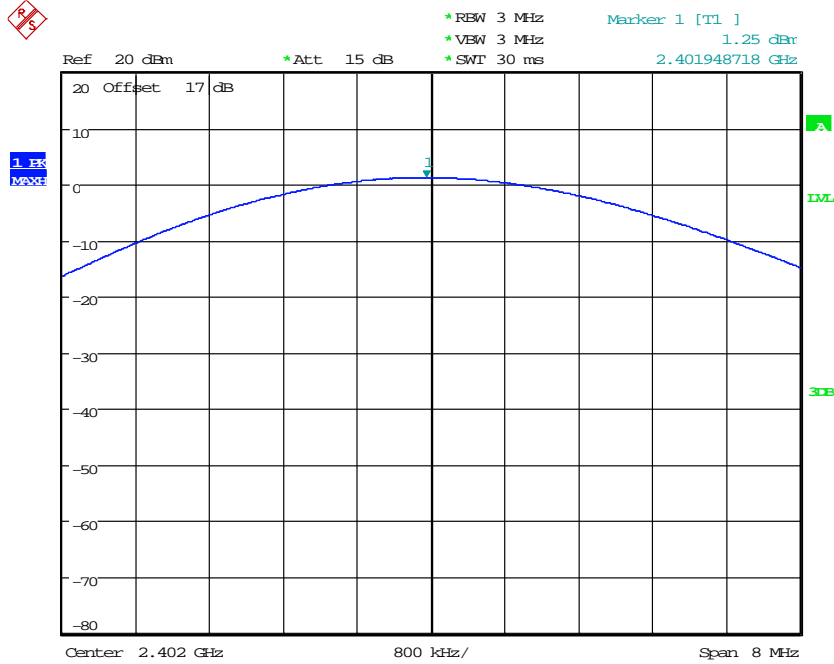


MAX OUTPUT POWER CH78
Date: 20.FEB.2020 13:53:03

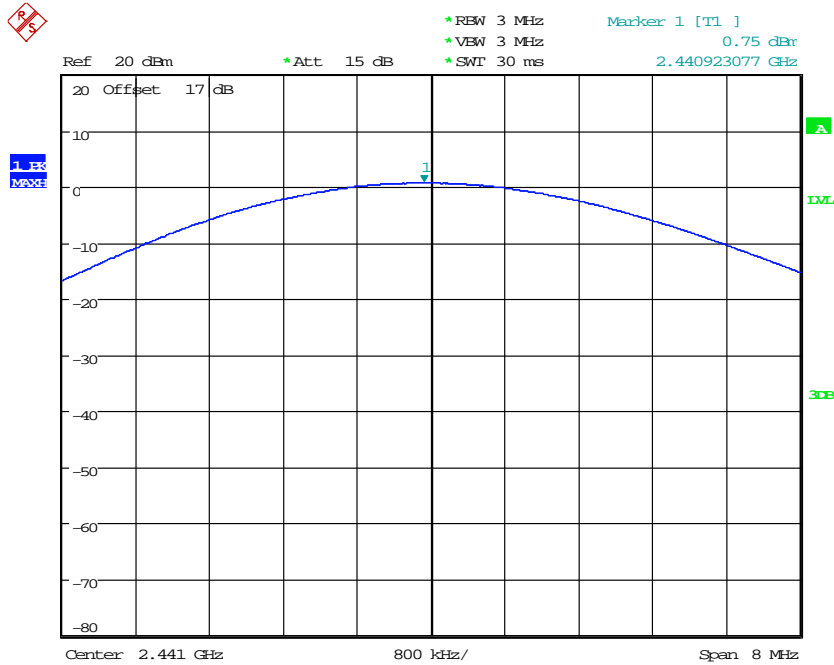


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Mode D



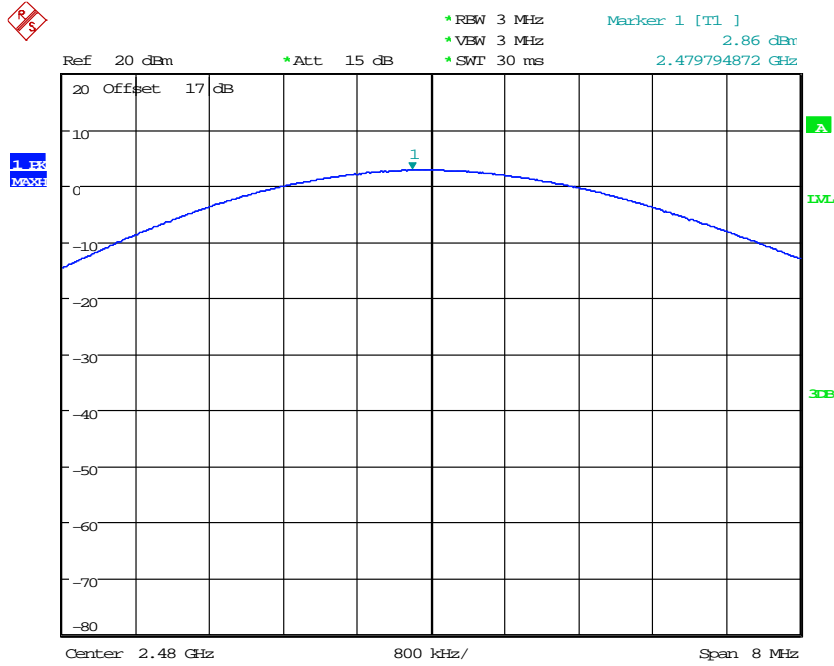
MAX OUTPUT POWER CH0 EDR MODE
Date: 20.FEB.2020 13:57:19



MAX OUTPUT POWER CH39 EDR MODE
Date: 20.FEB.2020 13:59:11



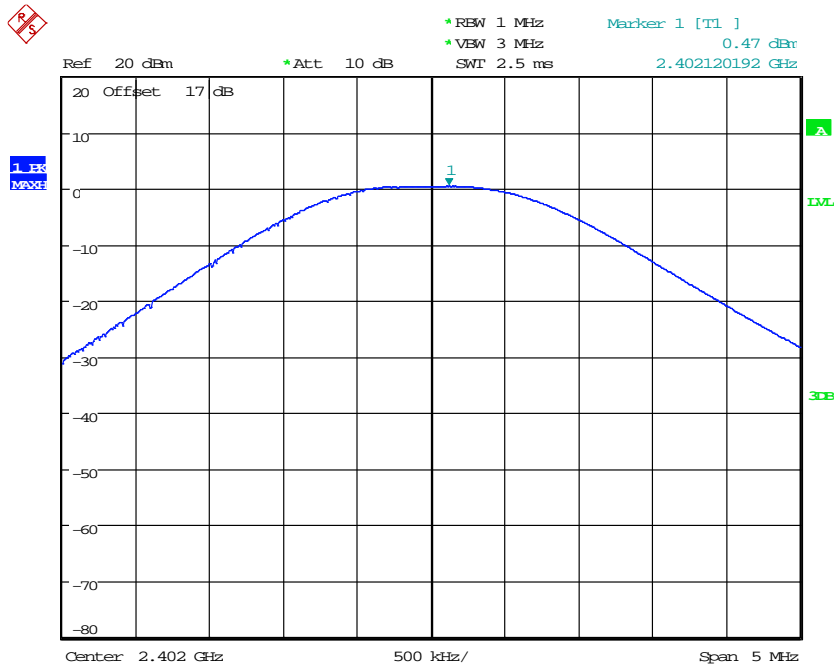
Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



MAX OUTPUT POWER CH78 EDR MODE

Date: 20.FEB.2020 14:01:07

Mode E

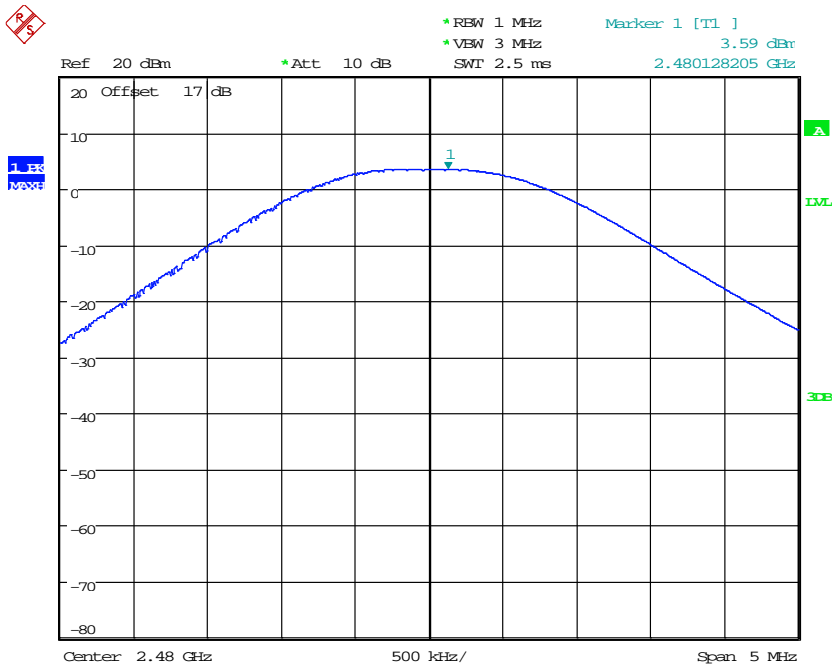
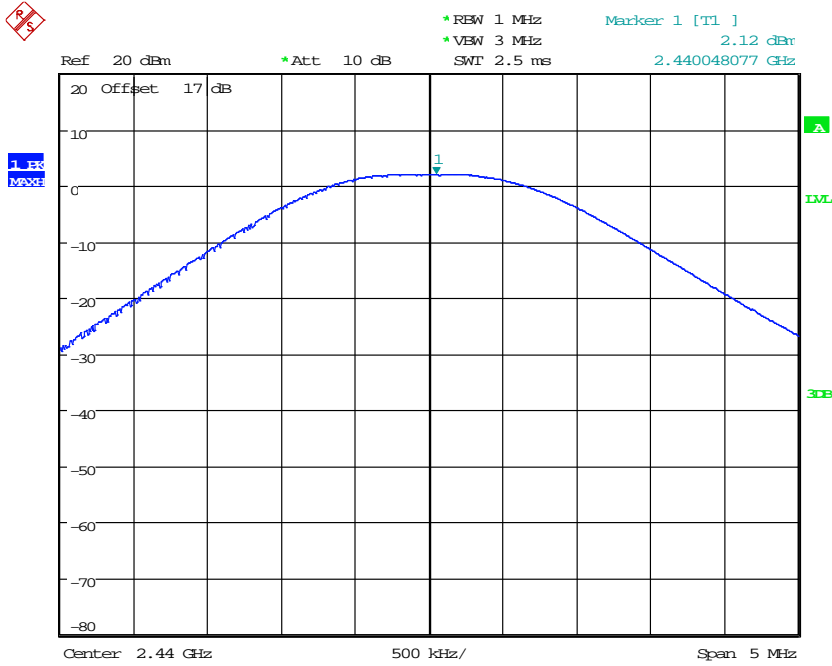


MAX OUTPUT POWER BT4.0 CH00

Date: 20.FEB.2020 13:31:55



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556





Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Limits:

Frequency MHz	Power dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain > 6 dBi and using fixed point-to point operation consider §15.247 (b)(4)

Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064



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3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)

WLAN

EIRP = max. conducted output power + antenna gain + tune up

EIRP = 8.72 dBm + (0.35 dBi [antenna gain claimed by manufacturer] + 0.28 dBm [tune up]) = 9.35 dBm
= 8.6099 mW

Bluetooth Normal, EDR

EIRP = max. conducted output power + antenna gain + tune up

EIRP = 3.22 dBm + (0.35 dBi [antenna gain claimed by manufacturer] + 0.28 dBm [tune up]) = 3.85 dBm
= 2.4266 mW

BLE

EIRP = max. conducted output power + antenna gain + tune up

EIRP = 3.59 dBm + (0.35 dBi [antenna gain claimed by manufacturer] + 0.41 dBm [tune up]) = 4.35 dBm
= 2.7227 mW

3.3 Exemption Limits for Routine Evaluation according to FCC KDB Publication

RESULT:

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table .



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 FCC ID: IPH-B3556

Table: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

WLAN

MHz	5	10	15	20	25	mm
2462	9.98	18.97	28.95	37.94	47.92	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
2462	56.90	66.87	76.85	85.84	95.82	SAR Test Exclusion Threshold (mW)

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.

Operating frequency band : 2412-2462 MHz

Max. output power level at 5 mm separation distance at 2462 MHz according to table is: 9.98 mW

The product is exempt from SAR Evaluation/Testing because the output power of 8.6099 mW is below the exemption limit of 9.98 mW.

Bluetooth Normal, EDR

MHz	5	10	15	20	25	mm
2480	9.95	18.92	28.87	37.84	47.79	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
2480	56.74	66.69	76.63	85.61	95.56	SAR Test Exclusion Threshold (mW)

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.

Operating frequency band : 2402-2480 MHz

Max. output power level at 5 mm separation distance at 2480 MHz according to table is: 9.95 mW

The product is exempt from SAR Evaluation/Testing because the output power of 2.4266 mW is below the exemption limit of 9.95 mW.



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BLE

MHz	5	10	15	20	25	mm
2480	9.95	18.92	28.87	37.84	47.79	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
2480	56.74	66.69	76.63	85.61	95.56	SAR Test Exclusion Threshold (mW)

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.
Operating frequency band : 2402-2480 MHz

Max. output power level at 5 mm separation distance at 2480 MHz
according to table is: 9.95 mW

The product is exempt from SAR Evaluation/Testing because the output power of 2.7227 mW is below the exemption limit of 9.95 mW.



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3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 26500 MHz.

For radiated emission tests, the analyzer setting was as followings:

Frequency \leq 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)

Frequency $>$ 1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)

Frequency $>$ 1 GHz , RBW:1 MHz , VBW: 10 Hz (Average measurements)

Limits.

For frequencies below 1GHz:

Frequency of Emission (MHz)	Field strength (microvolts/meter)	Field Strength (dB microvolts/meter)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:

“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty cycle correction = $20 \log (\text{dwell time}/ 100\text{ms})$

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: See attached diagrams in Appendix.



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FCC ID: IPH-B3556

3.5 Spurious Emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

FCC Rule: 15.247(d), 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies above 1GHz (Peak measurements).

Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements).

Max. reading – 20dB

Max. reading – 20 dB

Guidance on Measurement of Digit Transmission Systems:

“If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = $20 \log (\text{dwell time}/100\text{ms})$

Test equipment used: ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018,
ETSTW-RE 064

Note: No duty cycle correction was added to the reading of EUT.



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SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.

In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Correction Factor".

Summary table with radiated data of the test plots

Model:	AB3556	Date:	--
Mode:	--	Temperature:	-- °C
Polarization:	--	Humidity:	-- %
Engineer:	--		

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Note

1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **After evaluated, the test result in this report adopt the worst case to measure, please see attached diagrams in appendix.**

TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

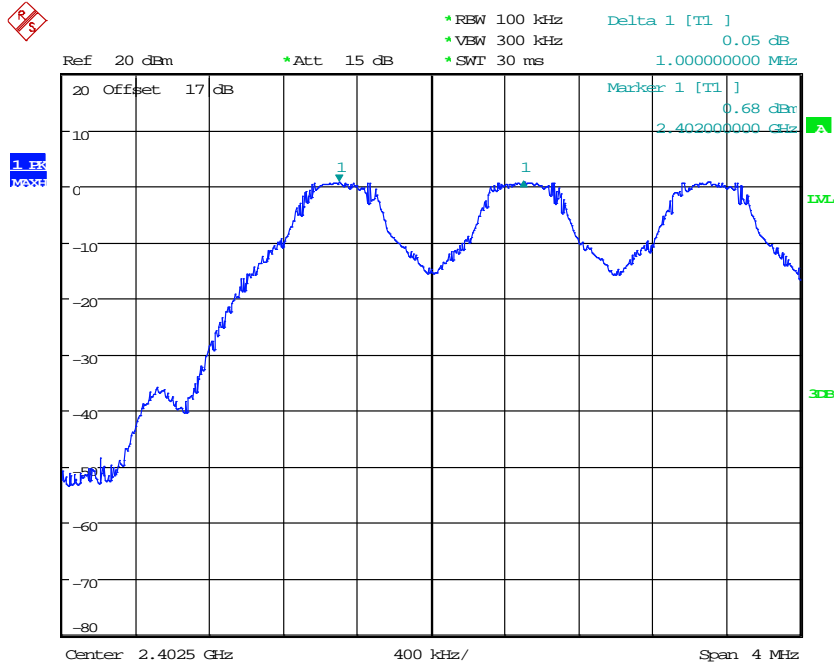
Test equipment used: ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018, ETSTW-RE 064



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FCC ID: IPH-B3556

3.6 Carrier Frequency Separation

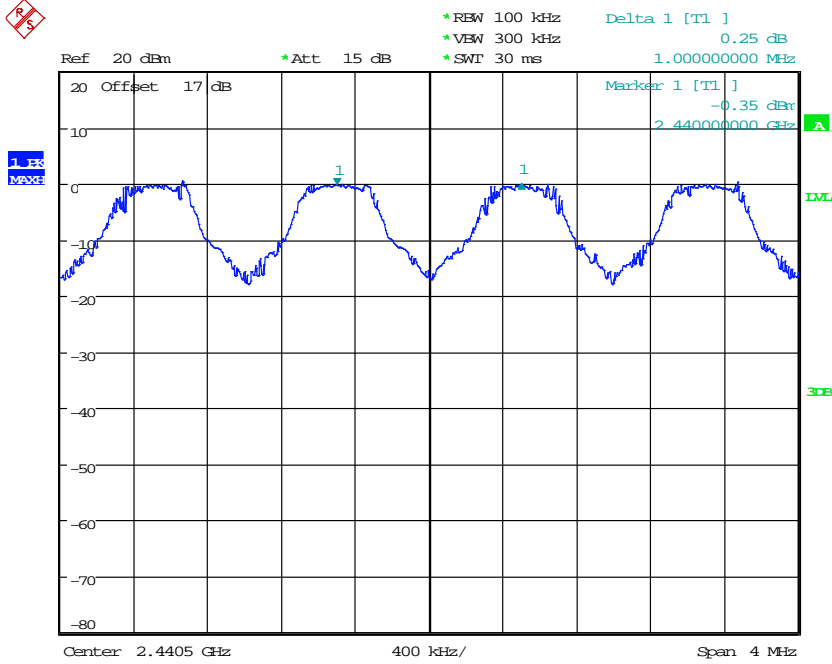
Carrier Frequency Separation was measured with modulation (declared by manufacturer). According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.



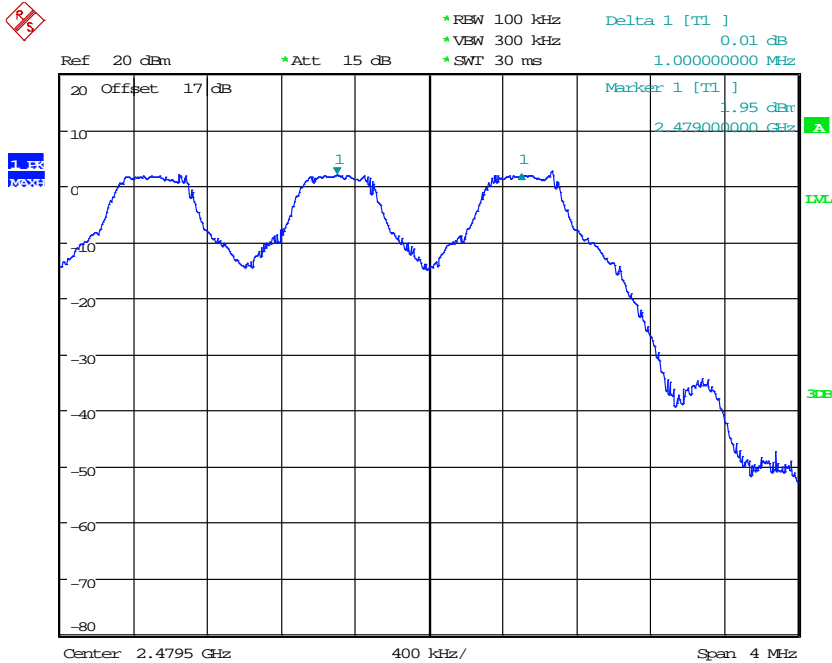
FREQUENCY SEPARATION CH0
Date: 20.FEB.2020 14:26:07



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



FREQUENCY SEPARATION CH39
Date: 20.FEB.2020 14:26:52



FREQUENCY SEPARATION CH78
Date: 20.FEB.2020 14:29:47



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Limits:

Frequency Range MHz	Limits	
	20 dB bandwidth < 25 kHz	20 dB bandwidth > 25 kHz
902-928	25 kHz	20 dB bandwidth
2400-2483.5 5725-5850.0	25 kHz	20 dB bandwidth

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

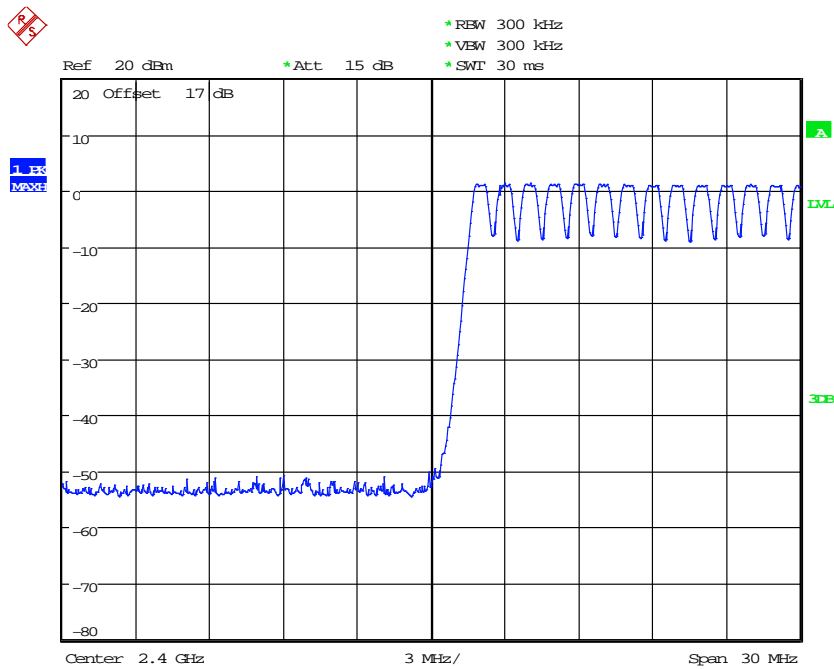


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.7 Number of Hopping Frequencies

According to FCC rules part 15 subpart C §15.247 frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies. Frequency hopping systems in 5725-5850 MHz bands shall use at least 75 hopping frequencies.

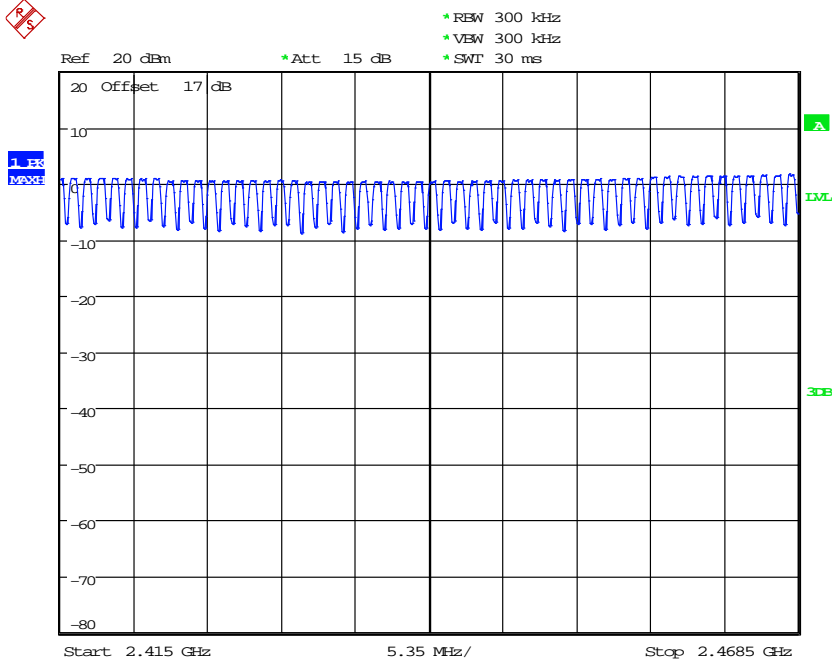
For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.



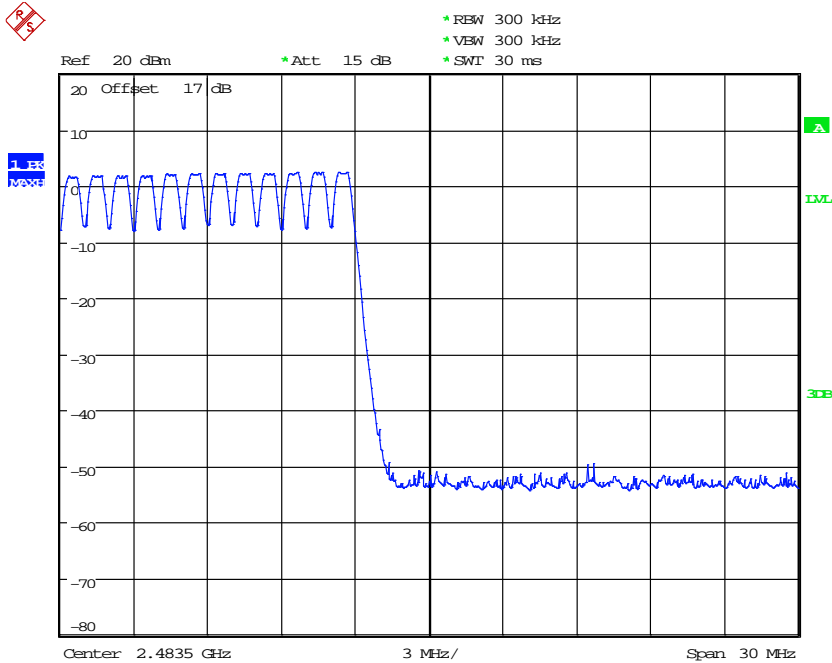
NUMBER OF HOPPING CH0-13
Date: 20.FEB.2020 14:23:27



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



NUMBER OF HOPPING CH14-66
Date: 20.FEB.2020 14:25:15



NUMBER OF HOPPING CH67-78
Date: 20.FEB.2020 14:24:07



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Limits:

Frequency Range MHz	Limit	
	20dB Bandwidth	Number of Channels
902-928 MHz	Bandwidth < 250 kHz	≥ 50
	Bandwidth ≥ 250 kHz	≥ 25
2400-2483.5	not defined	15
5725-5850.0 MHz	1 MHz	75

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

3.7.1 Pseudorandom Frequency Hopping Sequence

The generation of the hopping sequence is determined by the Bluetooth core specification and complies with the FCC requirements.

3.7.2 Coordination of hopping sequences to other transmitters

According to the Bluetooth core specification such a coordination is not possible. During scatternet function only one of the two hopping sequences will be used at a definite moment.

3.7.3 System Receiver Hopping Capability

According to the Bluetooth core specification. The system receivers shift frequencies in synchronization with the transmitted signals.



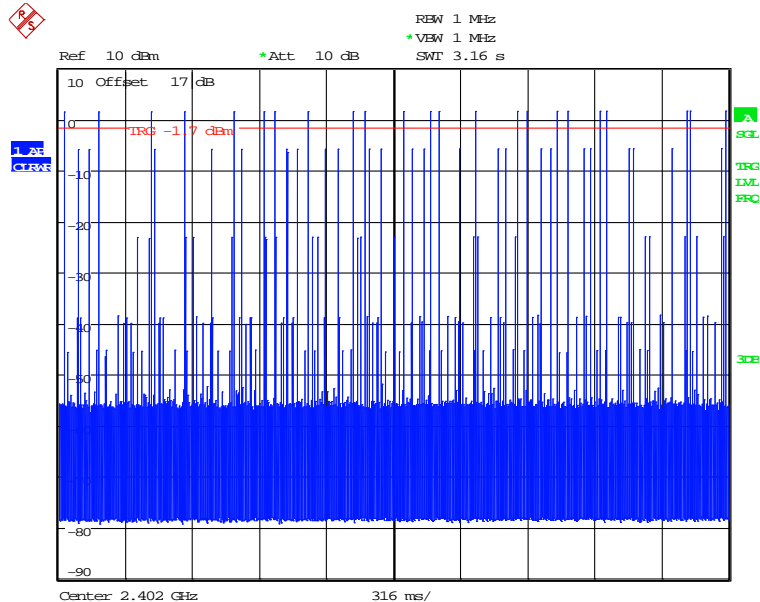
Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.8 Time of Occupancy (Dwell Time)

Frequency hopping systems operating in the 5725-5850 MHz band shall use an average time of occupancy on any frequency not greater than 0.4 seconds within a 30 second period.

In 2400-2483.5 MHz band the average time of occupancy on any channel shall not be greater than 0.4 seconds multiplied by the number of hopping channels employed.

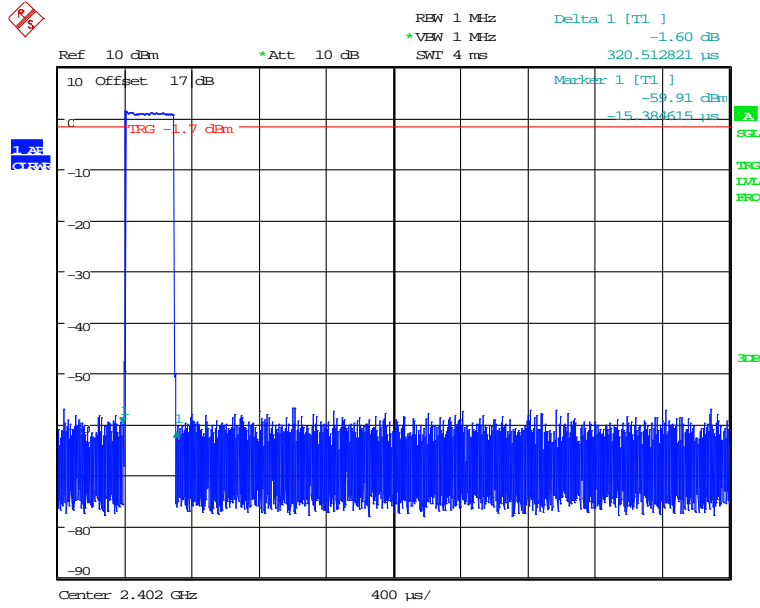
For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.



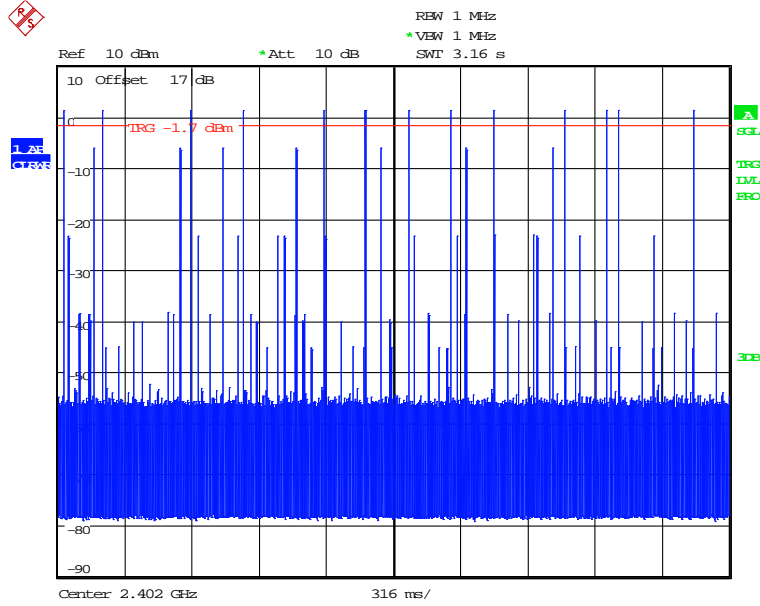
DWELL TIME CH0 DH1 (23events * 10 = 230events)
Date: 15.APR.2020 17:14:26



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



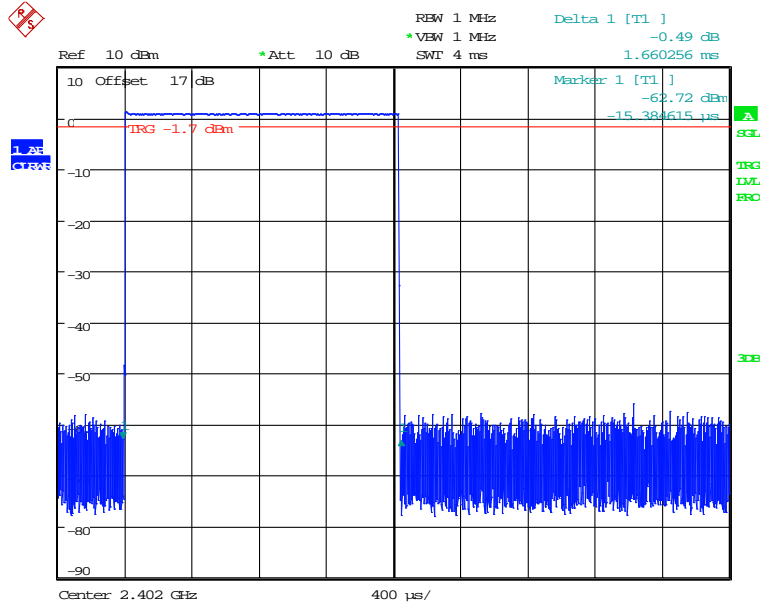
DWELL TIME CH0 DH1 (0.32ms * 230events = 73.6ms)
Date: 15.APR.2020 17:18:45



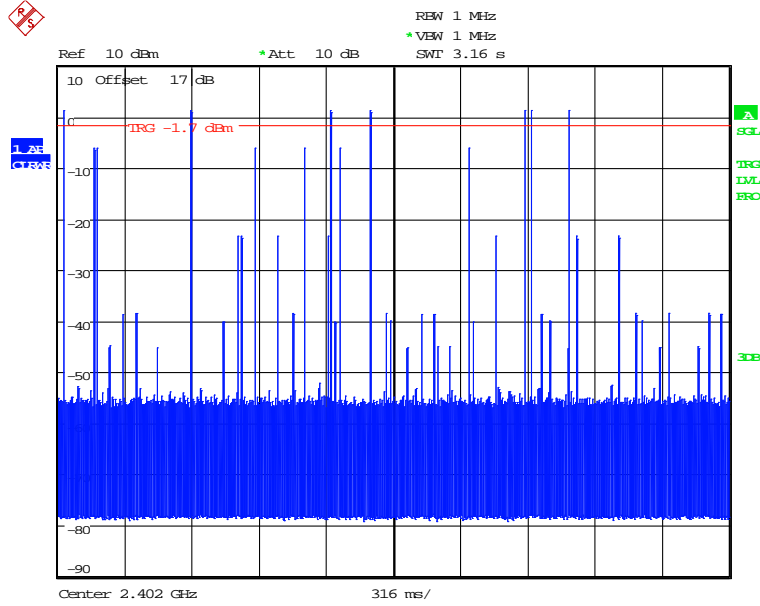
DWELL TIME CH0 DH3 (14events * 10 = 140events)
Date: 15.APR.2020 17:27:23



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



DWELL TIME CH0 DH3 (1.66ms * 140events = 232.4ms)
Date: 15.APR.2020 17:36:10

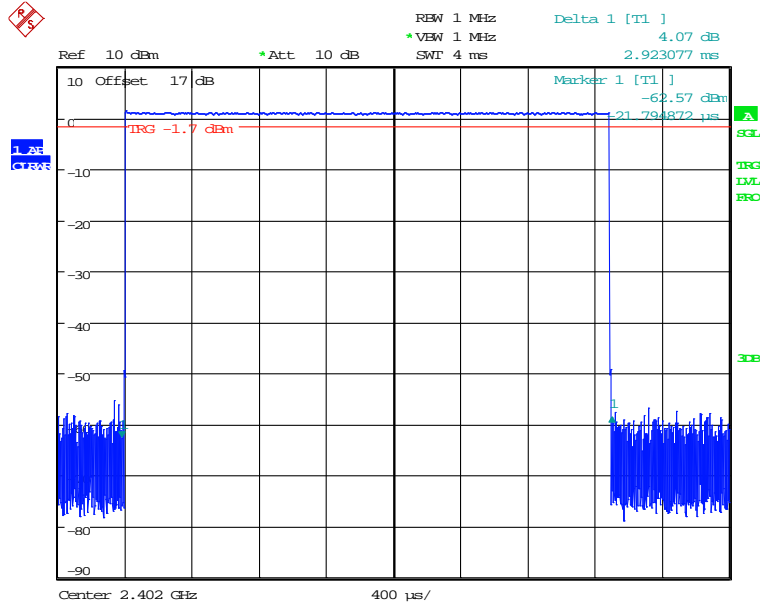


DWELL TIME CH0 DH5 (9events * 10 = 90events)
Date: 15.APR.2020 17:39:15

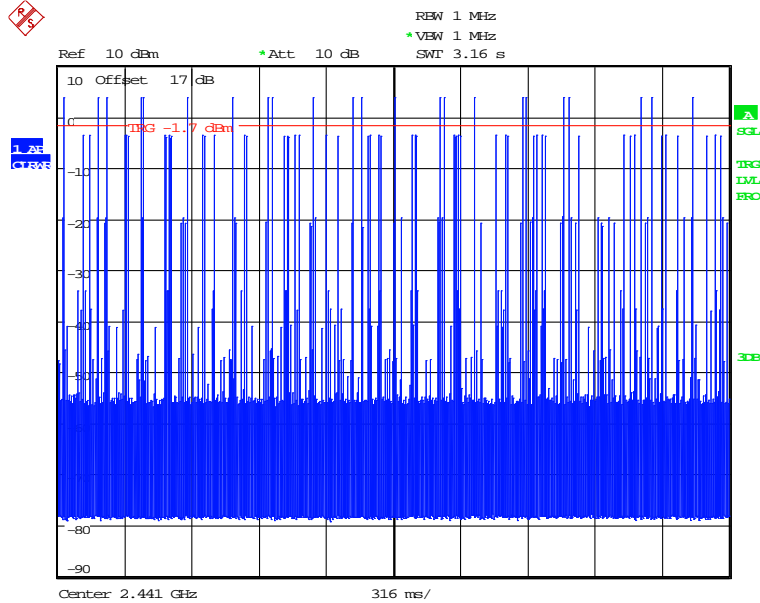


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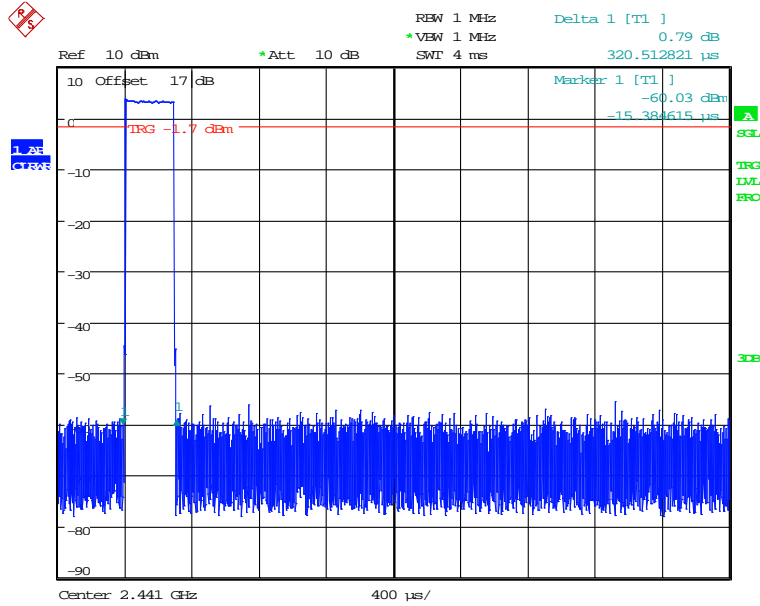
DWELL TIME CH0 DH5 (2.923ms * 90events = 263.07ms)
Date: 15.APR.2020 17:54:16



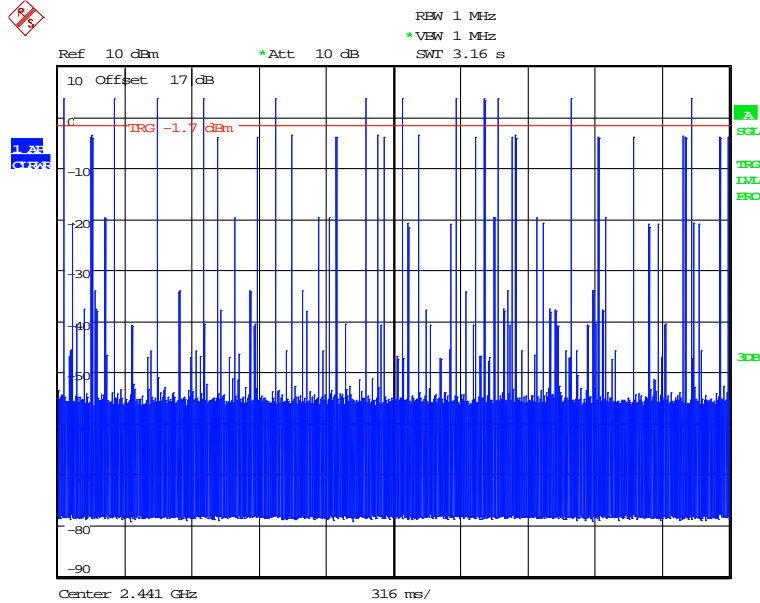
DWELL TIME CH39 DH1 (23events * 10 = 230events)
Date: 15.APR.2020 17:16:02



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



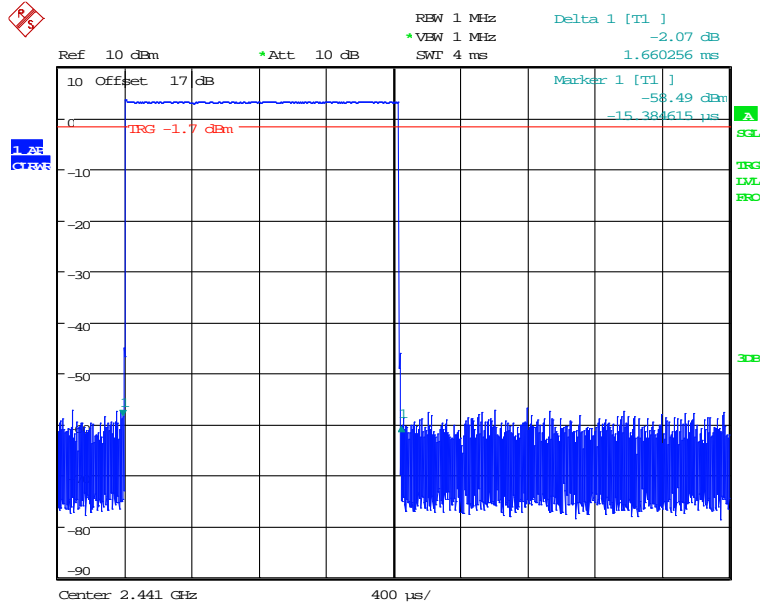
DWELL TIME CH39 DH1 (0.32ms * 230events = 73.6ms)
Date: 15.APR.2020 17:18:26



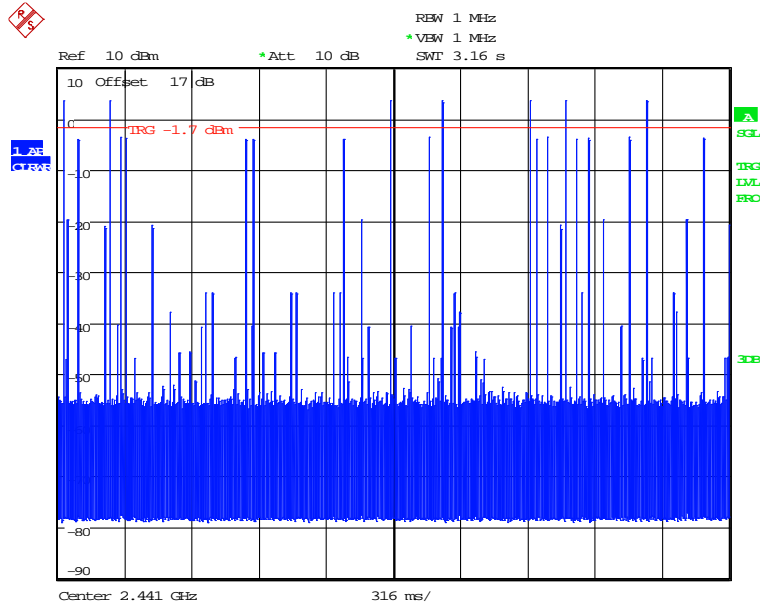
DWELL TIME CH39 DH3 (13events * 10 = 130events)
Date: 15.APR.2020 17:28:30



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



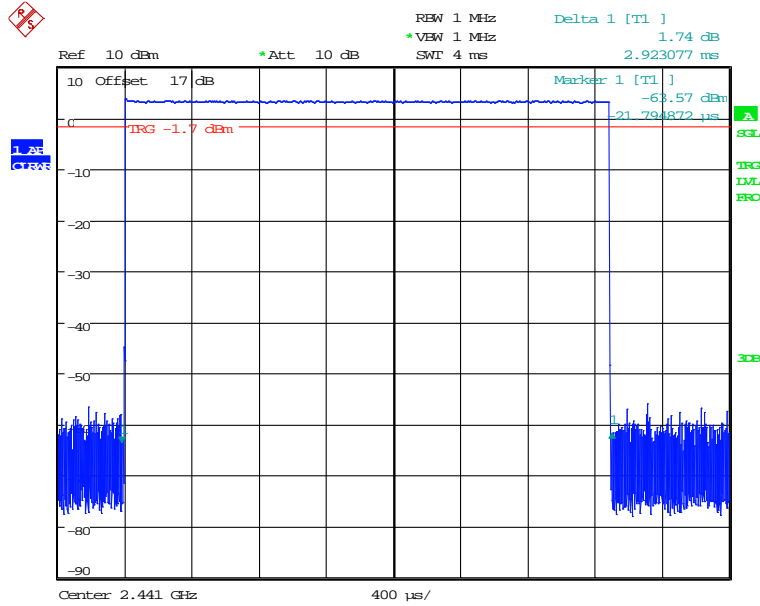
DWELL TIME CH39 DH3 (1.66ms * 130events = 215.8ms)
Date: 15.APR.2020 17:35:20



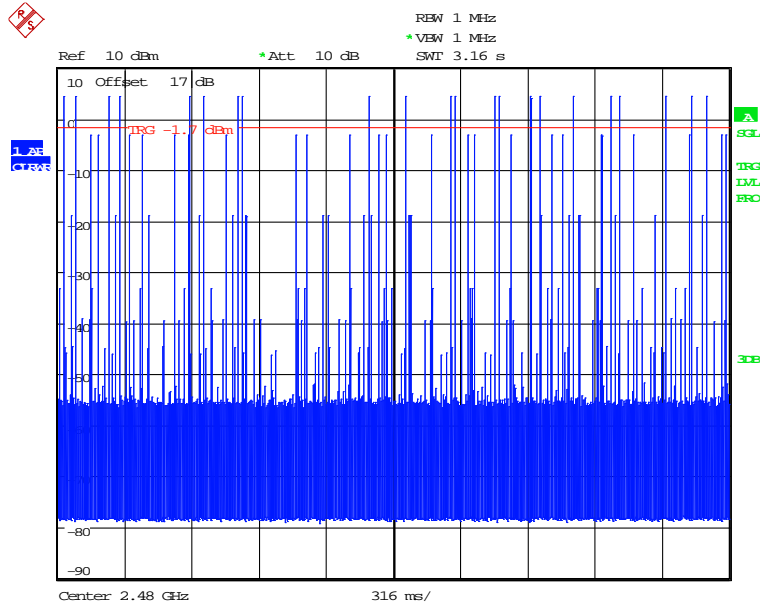
DWELL TIME CH39 DH5 (9events * 10 = 90events)
Date: 15.APR.2020 17:41:01



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



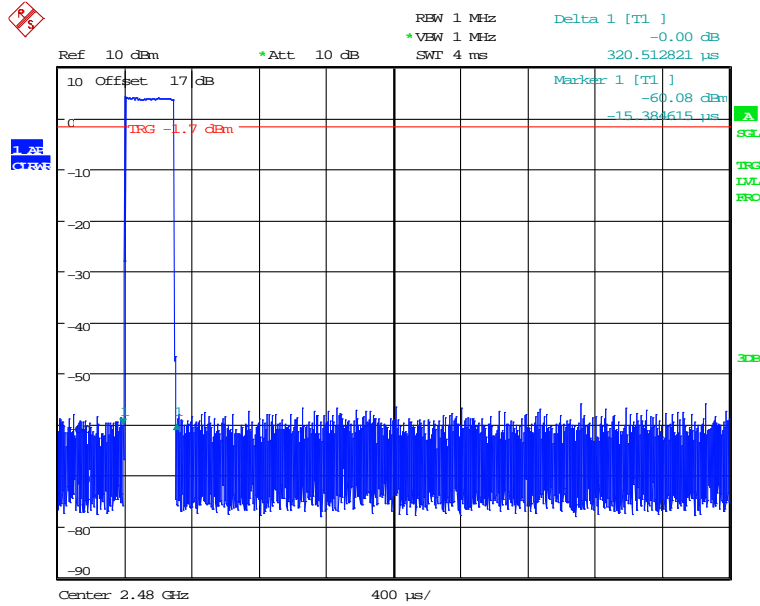
DWELL TIME CH39 DH5 (2.923ms * 90events = 263.07ms)
Date: 15.APR.2020 17:53:57



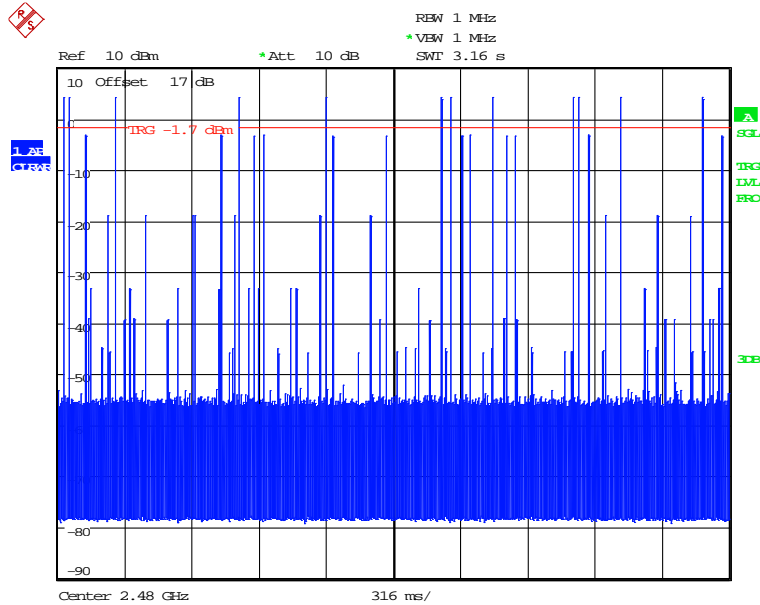
DWELL TIME CH78 DH1 (23events * 10 = 230events)
Date: 15.APR.2020 17:16:35



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



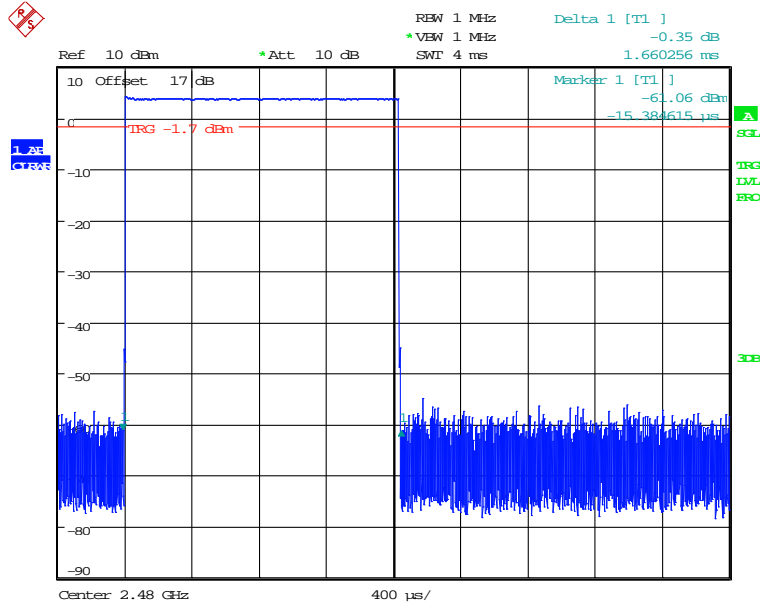
DWELL TIME CH78 DH1 (0.32ms * 230events = 73.6ms)
Date: 15.APR.2020 17:18:06



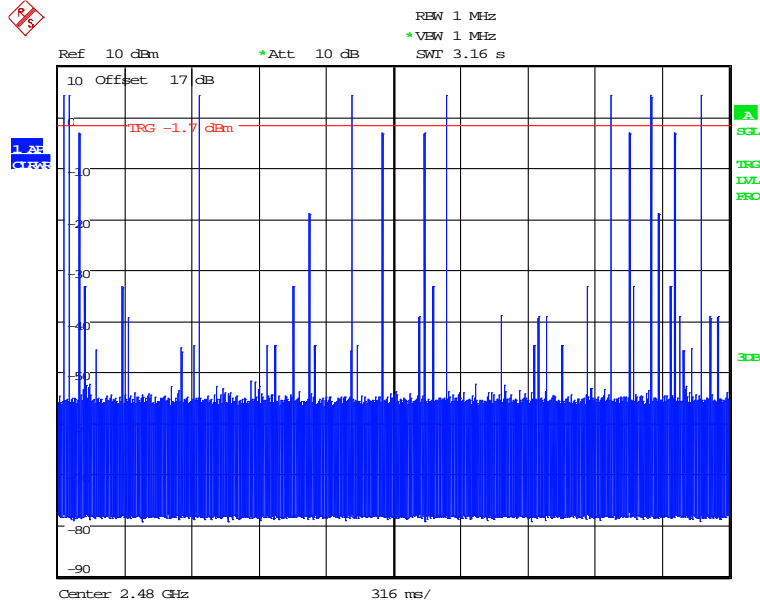
DWELL TIME CH78 DH3 (13events * 10 = 130events)
Date: 15.APR.2020 17:30:40



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



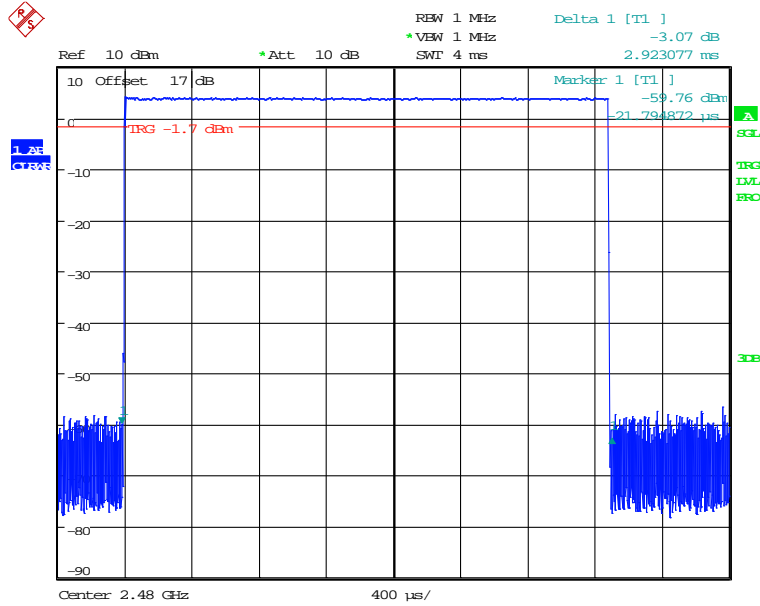
DWELL TIME CH78 DH3 (1.66ms * 130events = 215.8ms)
Date: 15.APR.2020 17:34:57



DWELL TIME CH78 DH5 (9events * 10 = 90events)
Date: 15.APR.2020 17:51:52



Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



DWELL TIME CH78 DH5 (2.923ms * 90events = 263.07ms)
 Date: 15.APR.2020 17:53:36

Limits and measurement periods:

Frequency MHz	Number of channels	Measurement Periode	Limit
902 – 928	≥50	20 s	0.4 s
	49 ≥ 25	10 s	0.4 s
2400 – 2483.5	≥ 15	0.4 s * number of used channels	0.4 s
5725- 5850	≥ 75	30 s	0.4 s

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



Registration number: W6M21912-19555-C-1
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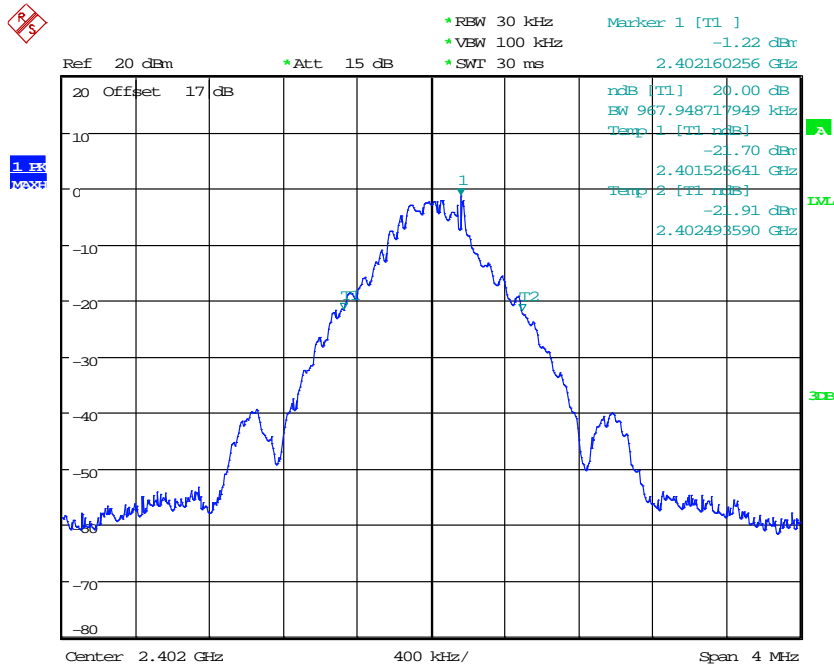
3.9 20dB Bandwidth

Frequency hopping systems operating in the 5725-5850 MHz bands shall use a maximum 20dB bandwidth of 1 MHz.

The 20dB bandwidth is measured on the lowest, middle and highest hopping channel.

For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

Mode C

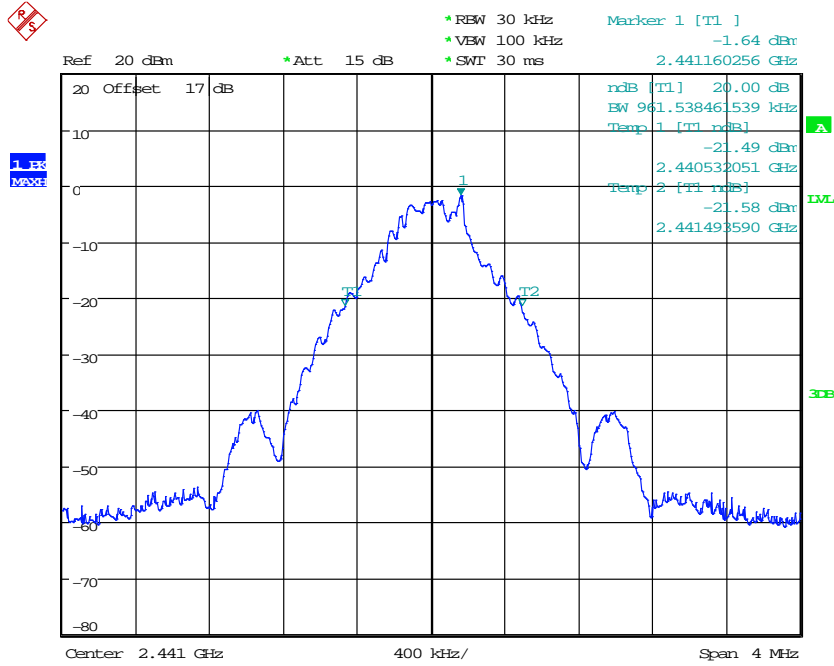


20DB BANDWIDTH CH0
Date: 20.FEB.2020 13:50:19

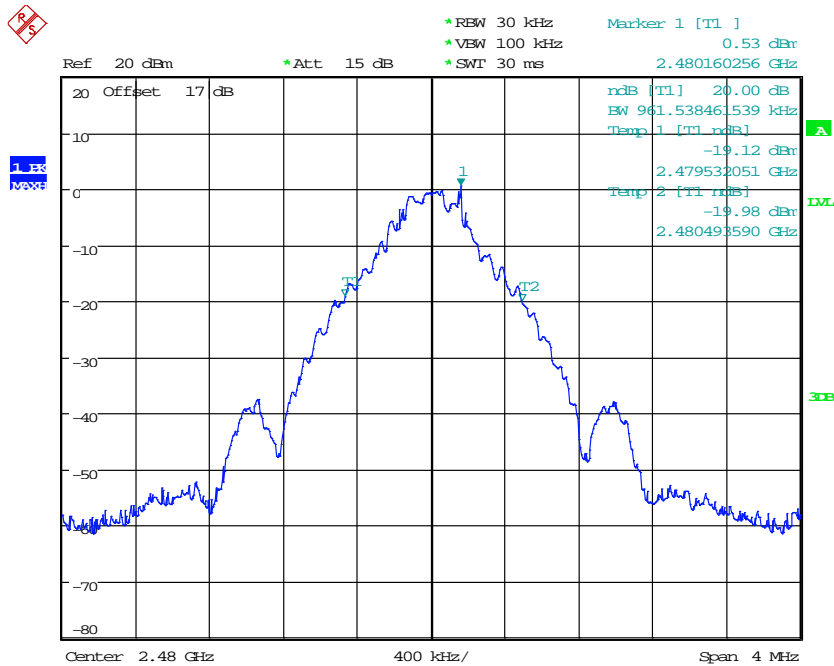


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FCC ID: IPH-B3556



20DB BANDWIDTH CH39
Date: 20.FEB.2020 13:51:59

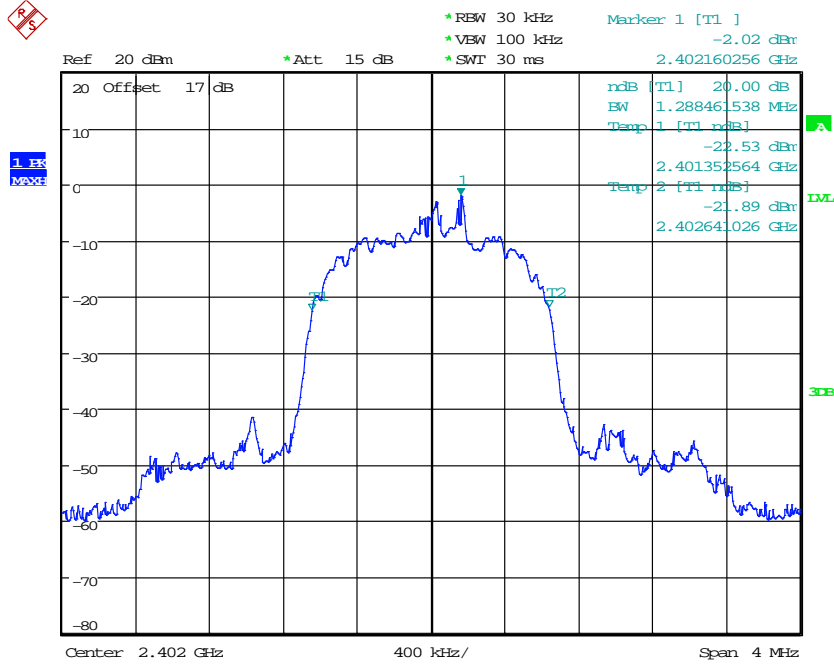


20DB BANDWIDTH CH78
Date: 20.FEB.2020 13:53:11

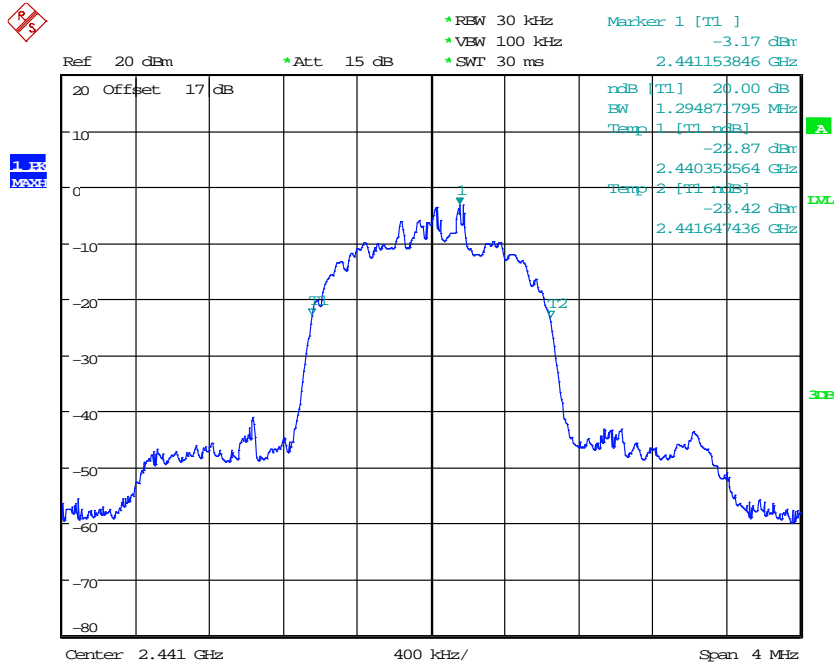


Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Mode D

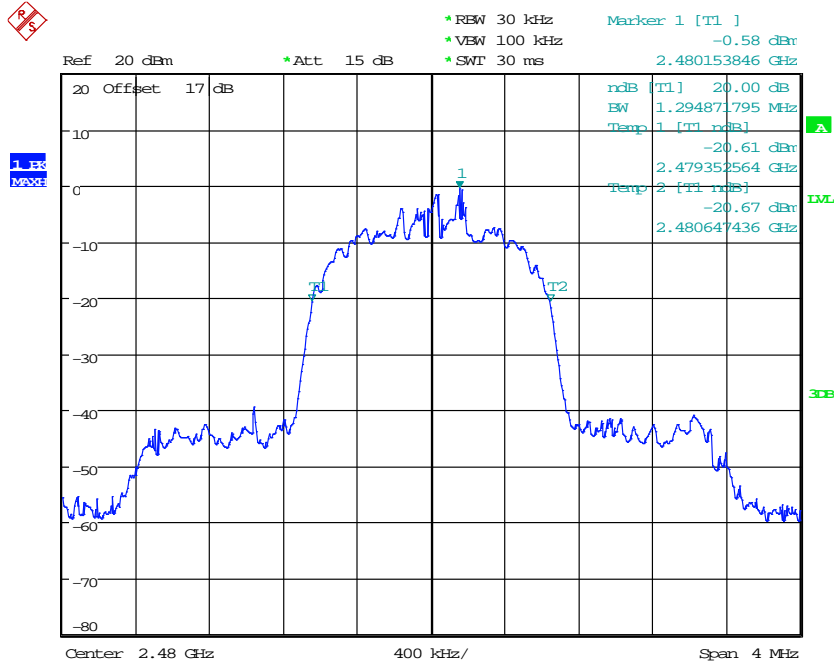


20DB BANDWIDTH CH0 EDR MODE
 Date: 20.FEB.2020 13:57:27



20DB BANDWIDTH CH39 EDR MODE
 Date: 20.FEB.2020 13:59:19

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



20DB BANDWIDTH CH78 EDR MODE
 Date: 20.FEB.2020 14:01:15

Limits:

Frequency Range / MHz	Limit
902-928	≤ 500 kHz
2400-2483.5	not defined
5725-5850	≤ 1 MHz

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

3.9.1 System Receiver Input Bandwidth

It is determined in the Bluetooth core specification. The value matches to the bandwidth of transmitter signal.

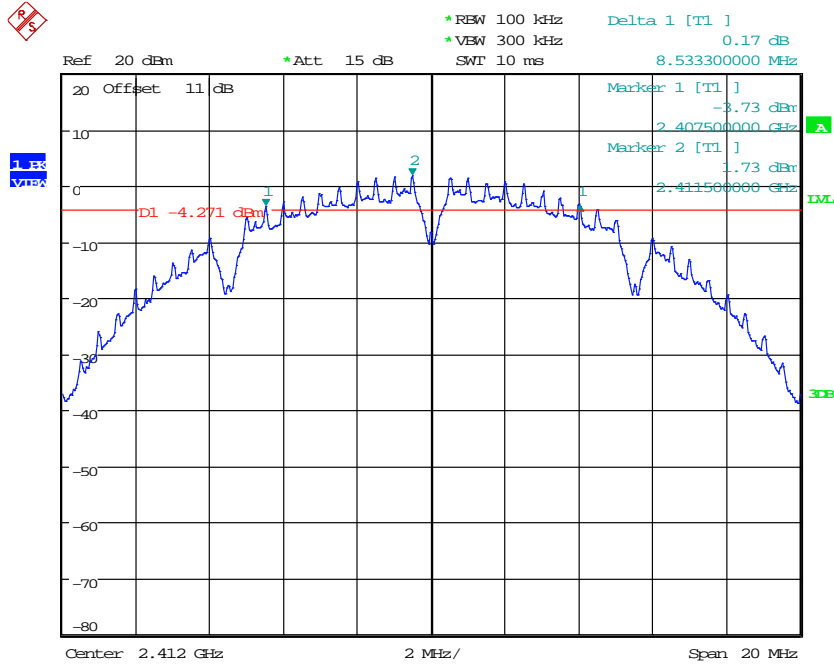


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.10 Minimum 6 dB Bandwidth

The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission. The 6 dB bandwidth is the frequency difference between the two markers.

Mode A

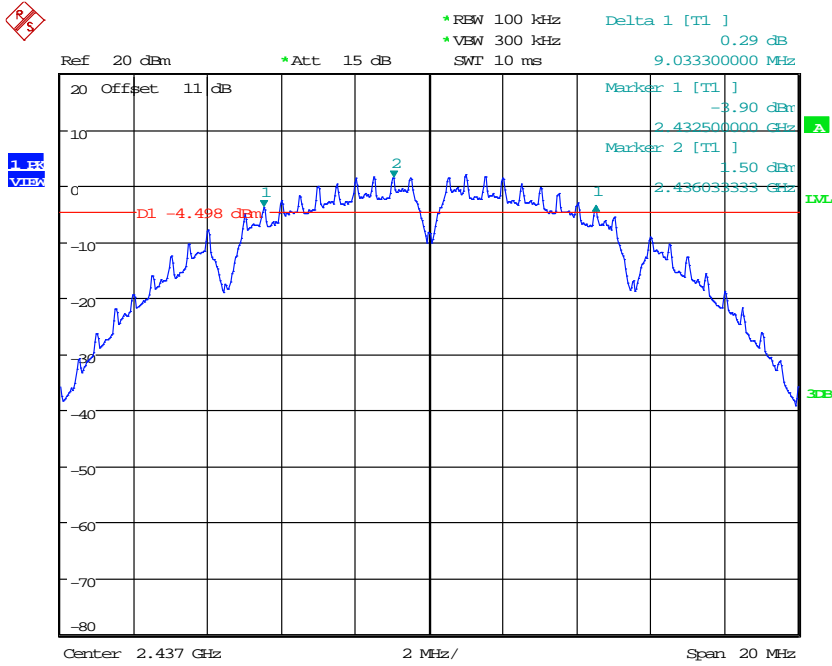


6DB BANDWIDTH 802.11B CH01
Date: 5.MAR.2020 17:54:11

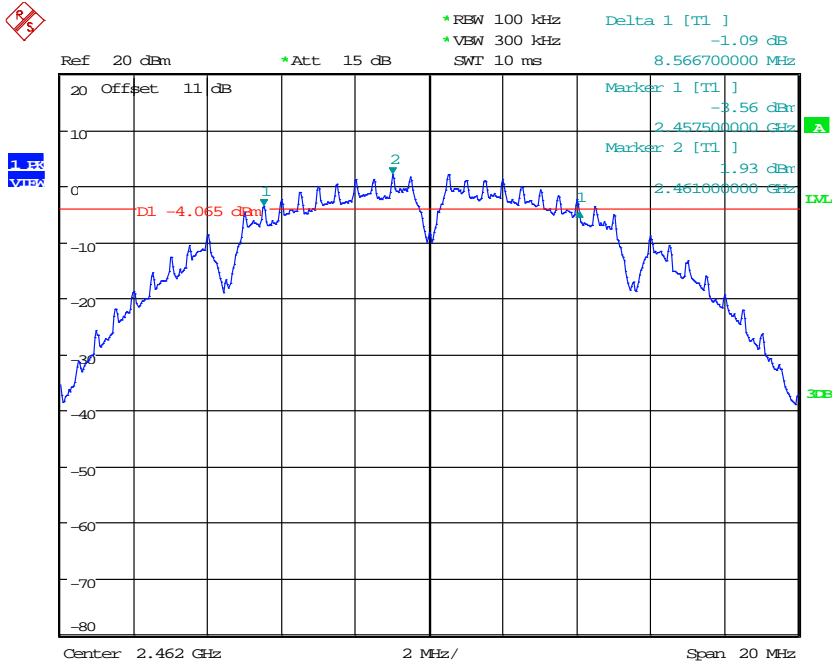


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Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



6DB BANDWIDTH 802.11B CH06
Date: 5.MAR.2020 17:55:39

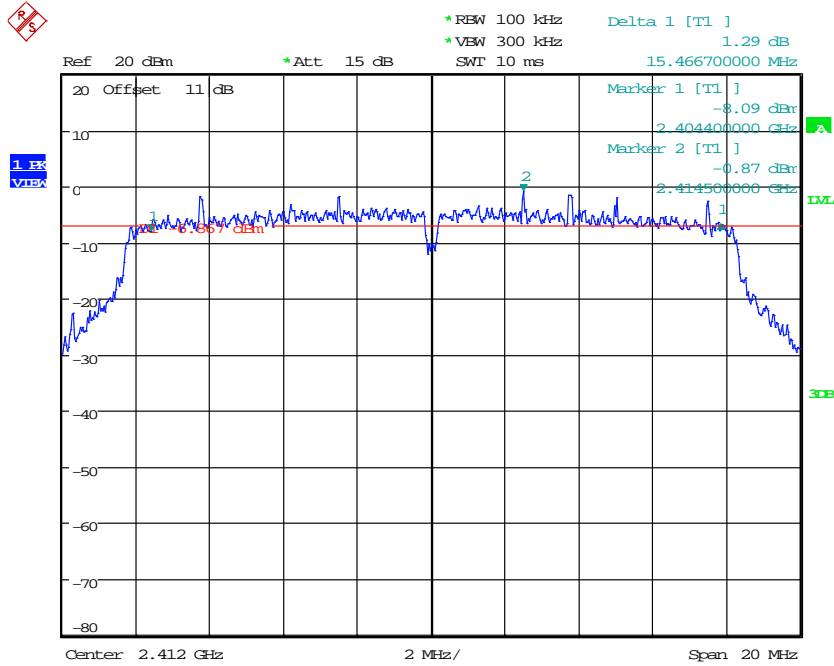


6DB BANDWIDTH 802.11B CH11
Date: 5.MAR.2020 17:56:40

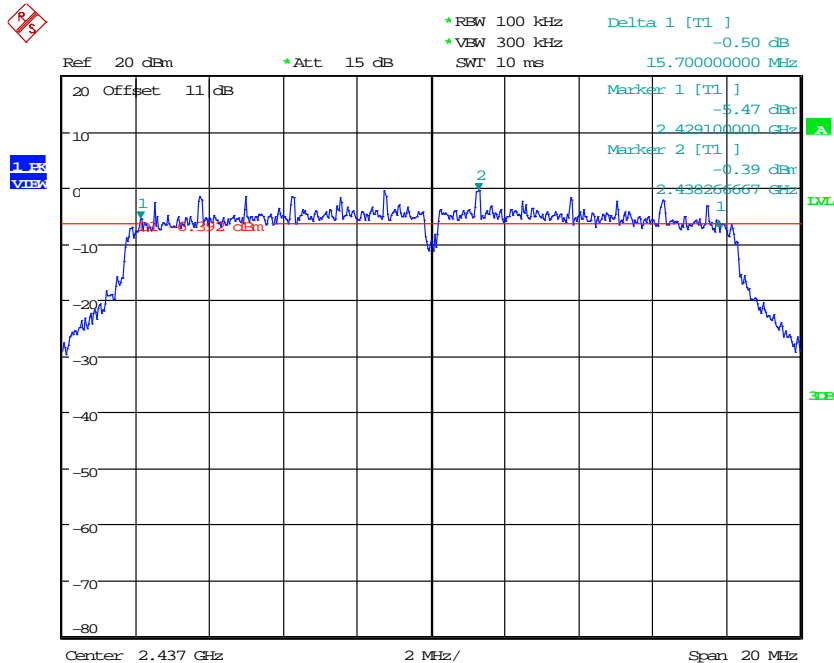


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Mode B



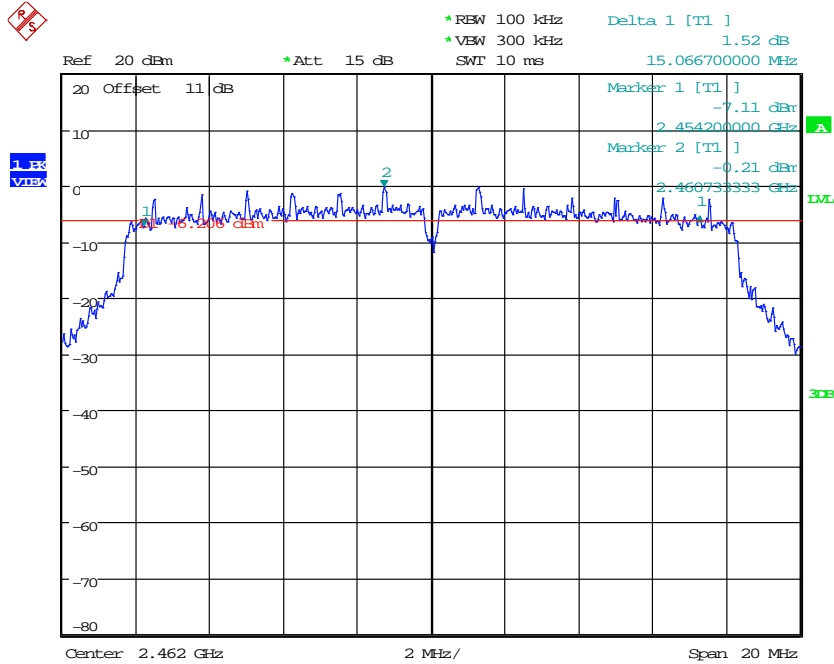
6DB BANDWIDTH 802.11G CH01
Date: 5.MAR.2020 18:01:07



6DB BANDWIDTH 802.11G CH06
Date: 5.MAR.2020 18:02:22

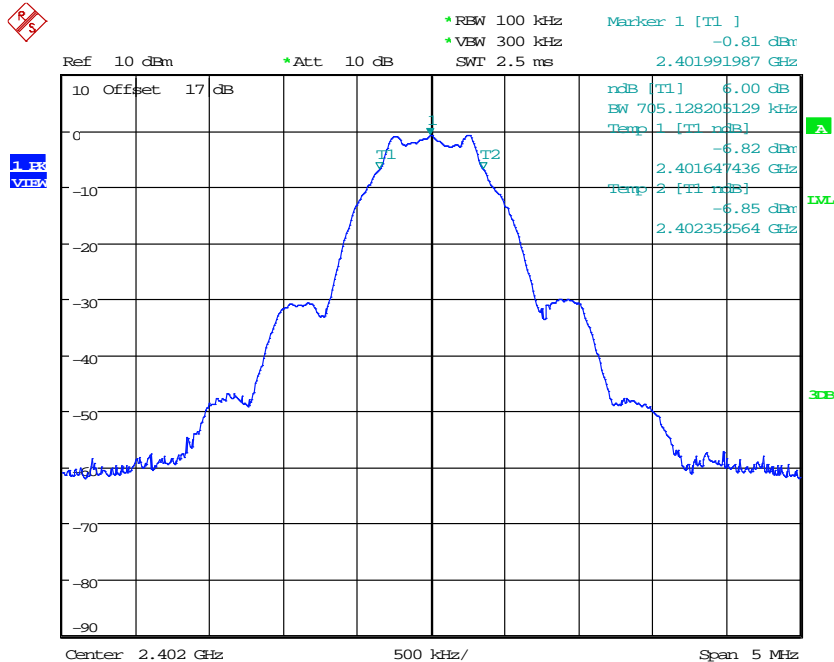


Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



6DB BANDWIDTH 802.11G CH11
 Date: 5.MAR.2020 18:03:20

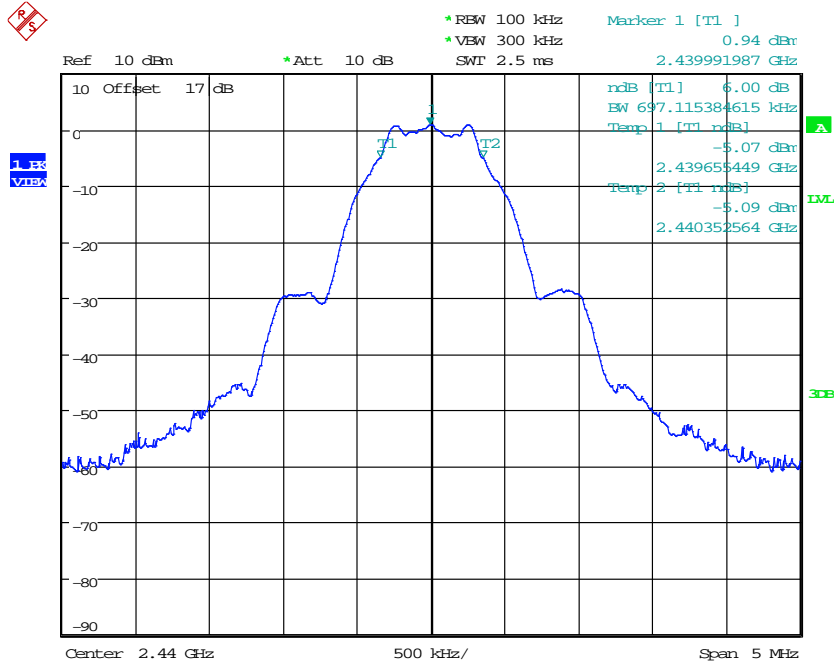
Mode E



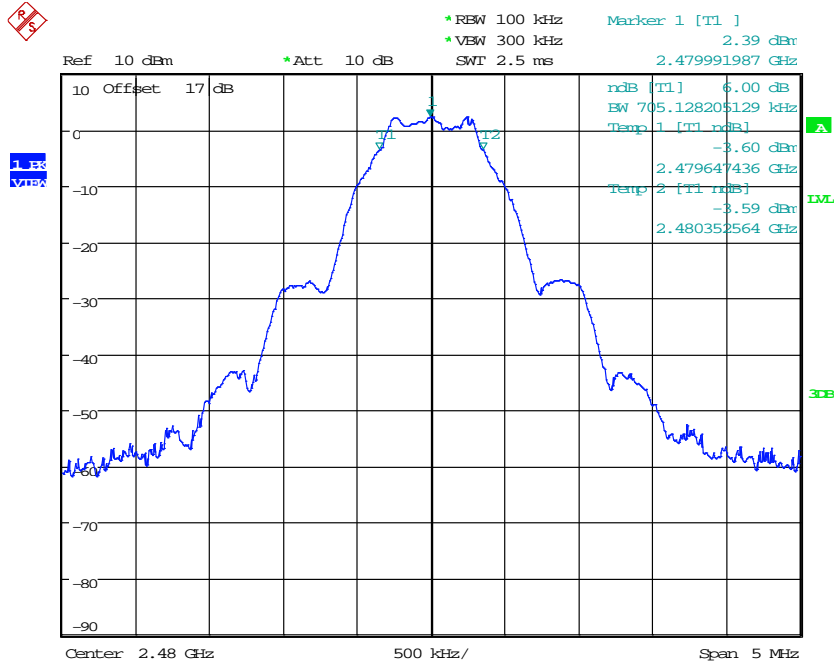
6DB BANDWIDTH BT4.0 CH00
 Date: 20.FEB.2020 13:32:07



Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



6DB BANDWIDTH BT4.0 CH19
 Date: 20.FEB.2020 13:33:13



6DB BANDWIDTH BT4.0 CH39
 Date: 20.FEB.2020 13:34:15



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Limits:

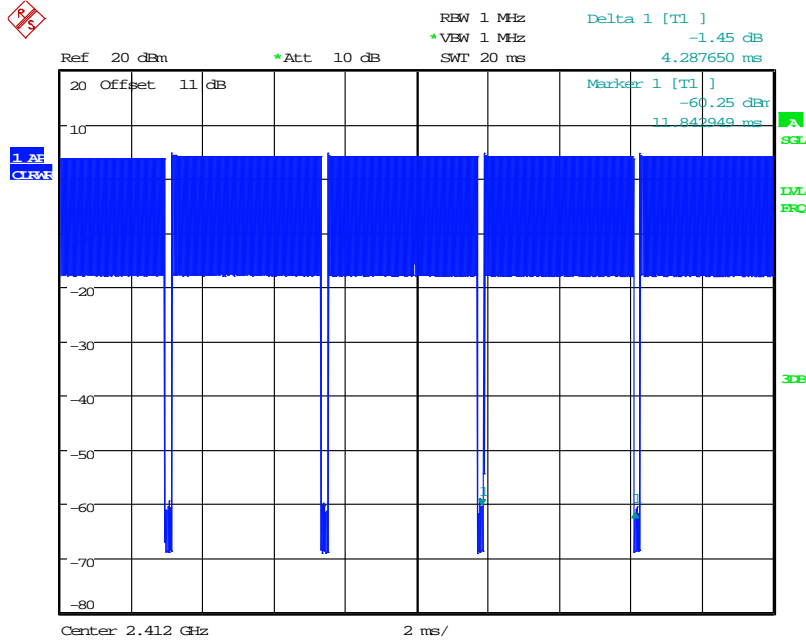
Frequency Range MHz	Limits
902-928	min 500 kHz
2400-2483.5	min 500 kHz
5725-5850	min 500 kHz

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

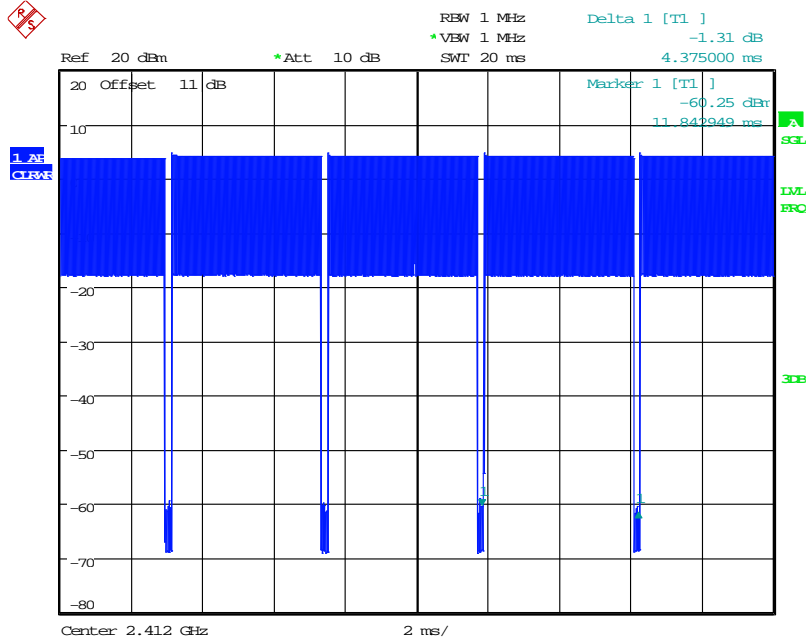


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Duty Cycle WLAN 802.11b



Date: 15.APR.2020 16:24:03

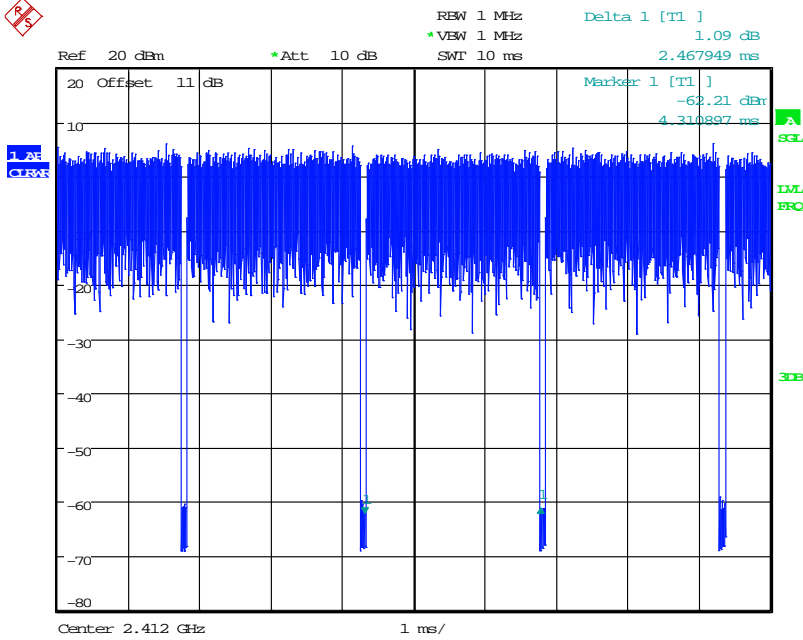


Date: 15.APR.2020 16:24:38

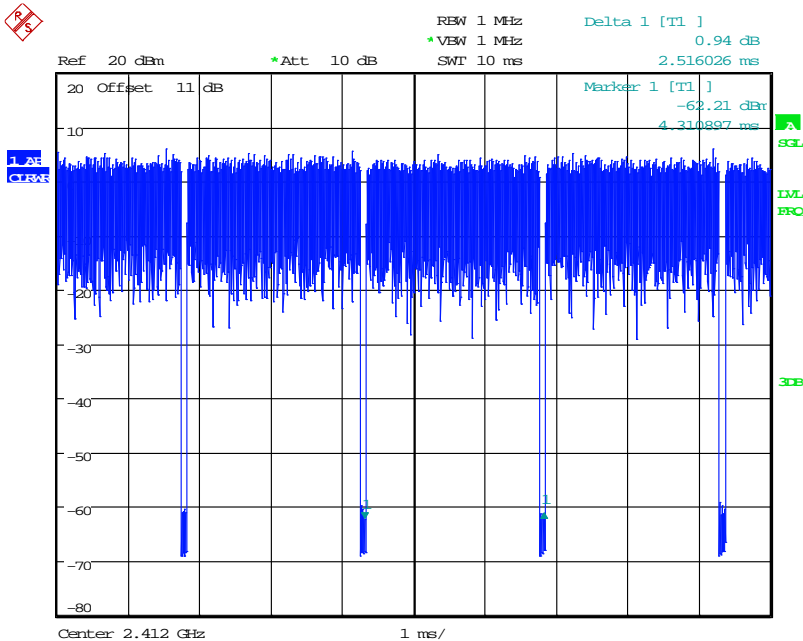


Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

WLAN 802.11g



Date: 15.APR.2020 16:18:21



Date: 15.APR.2020 16:19:28

	Ton(ms)	Ton+Toff(ms)	Duty Cycle(%)
802.11b	4.28765	4.375	98.00342857
802.11g	2.467949	2.516026	98.08916919



Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission on the bandedge

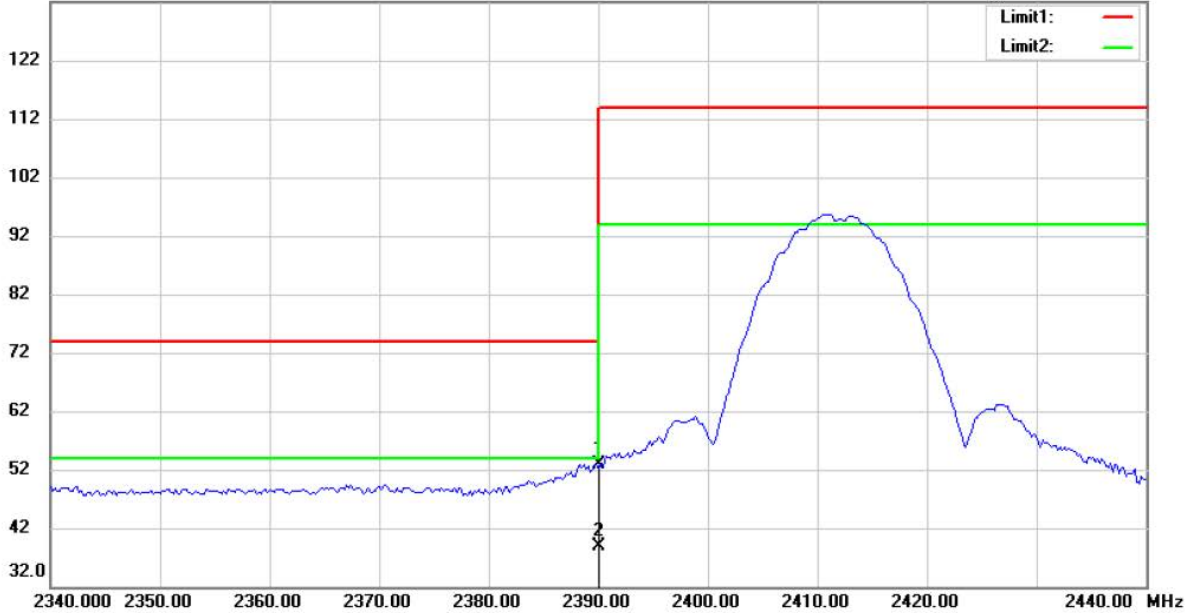
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File :bandedge
 132.0 dBuV/m

Data :#1

Date: 3/31/2020
 Time: 7:45:18 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

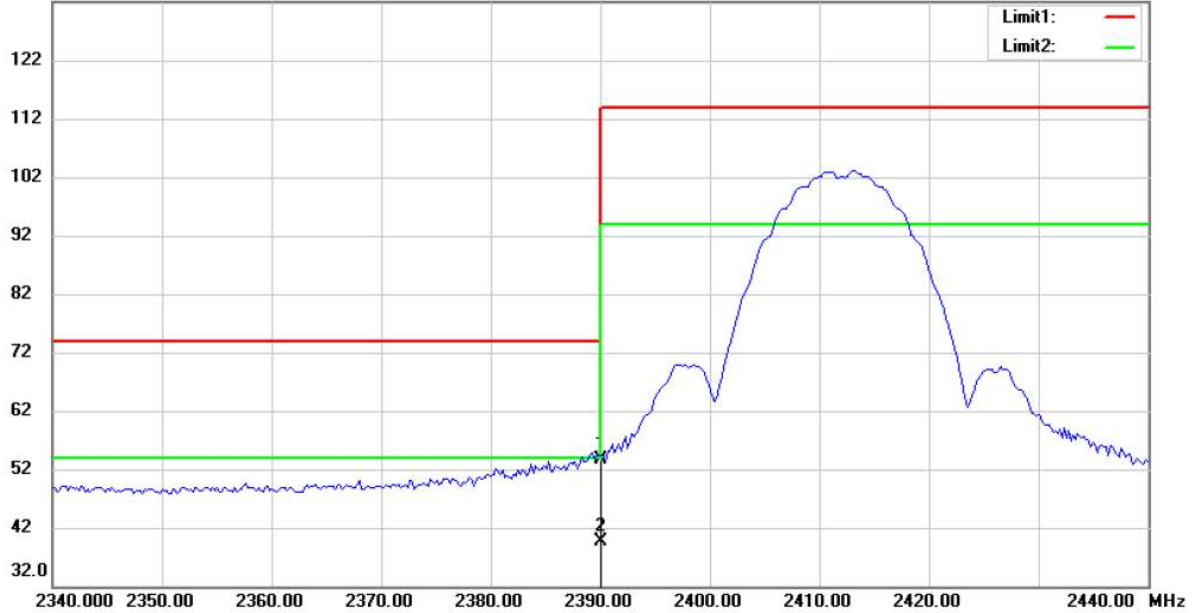
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.97	peak	37.02	52.99	74.00	150	100	-21.01	
*	2390.000	1.75	AVG	37.02	38.77	54.00	150	100	-15.23	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement Operator: Allen
 File :bandedge Data :#2 Date: 3/31/2020 Temperature:24.2 °C
 132.0 dBuV/m Time: 7:53:30 AM Humidity:62.7 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Vertical*
 EUT : W6M21912-19555 Power : 3.8 Vd.c.
 M/N:
 Test Mode : TX 802.11b CH1 Distance: 3m
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.58	peak	37.02	53.60	74.00	150	215	-20.40	
*	2390.000	2.67	AVG	37.02	39.69	54.00	150	215	-14.31	

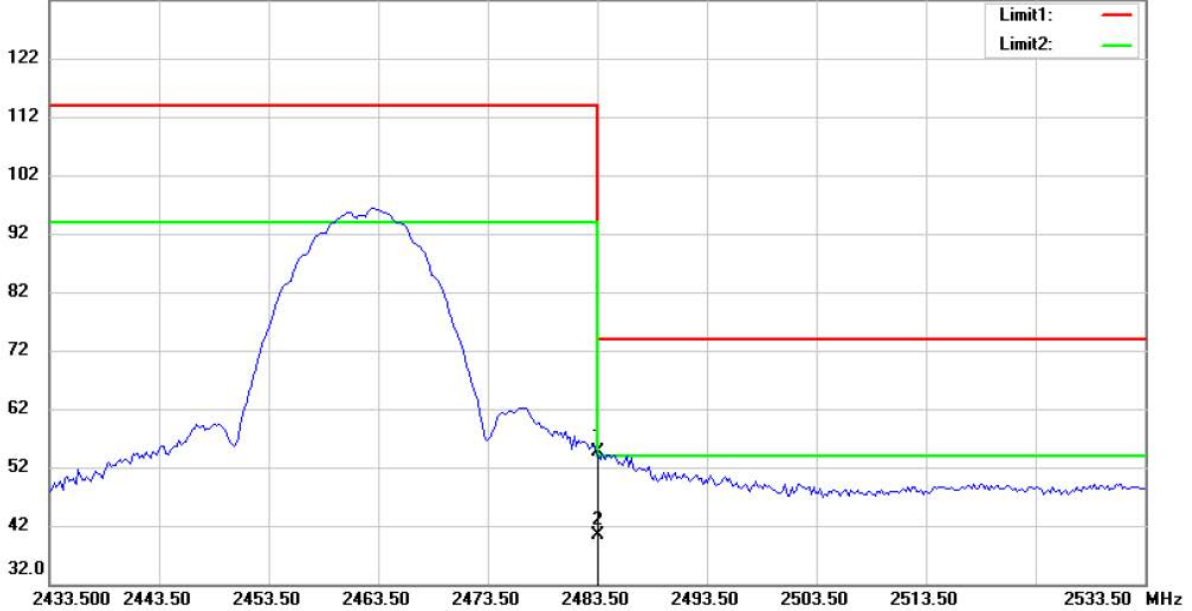


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

File : bandedge Data : #1 Date : 4/1/2020 Operator: Allen
 132.0 dBuV/m Time : 5:20:22 AM Temperature: 24.8 °C
 Humidity: 58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Horizontal*
 EUT : W6M21912-19555 Power : 3.8 Vd.c.
 M/N: Distance: 3m
 Test Mode : TX 802.11b CH11
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.84	peak	37.74	54.58	74.00	150	180	-19.42	
*	2483.500	2.52	AVG	37.74	40.26	54.00	150	180	-13.74	

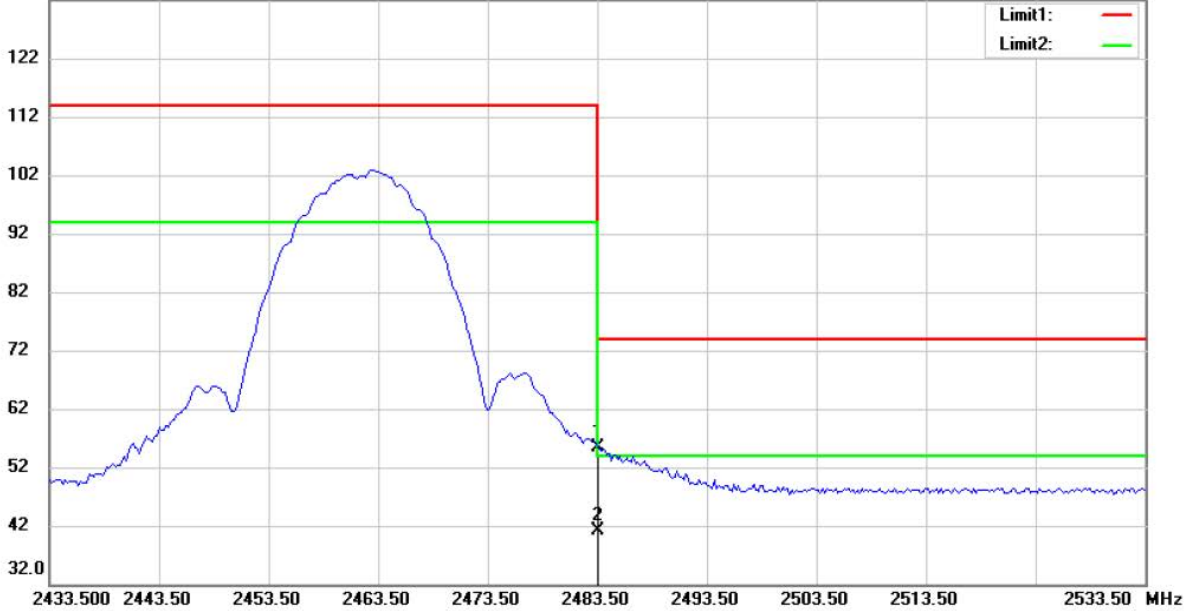


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

File : bandedge Data : #2 Date : 4/1/2020 Operator: Allen
 132.0 dBuV/m Time : 5:31:09 AM Temperature: 24.8 °C
 Humidity: 58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Vertical*
 EUT : W6M21912-19555 Power : 3.8 Vd.c.
 M/N: Distance: 3m
 Test Mode : TX 802.11b CH11
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	17.65	peak	37.74	55.39	74.00	150	110	-18.61	
*	2483.500	3.32	AVG	37.74	41.06	54.00	150	110	-12.94	

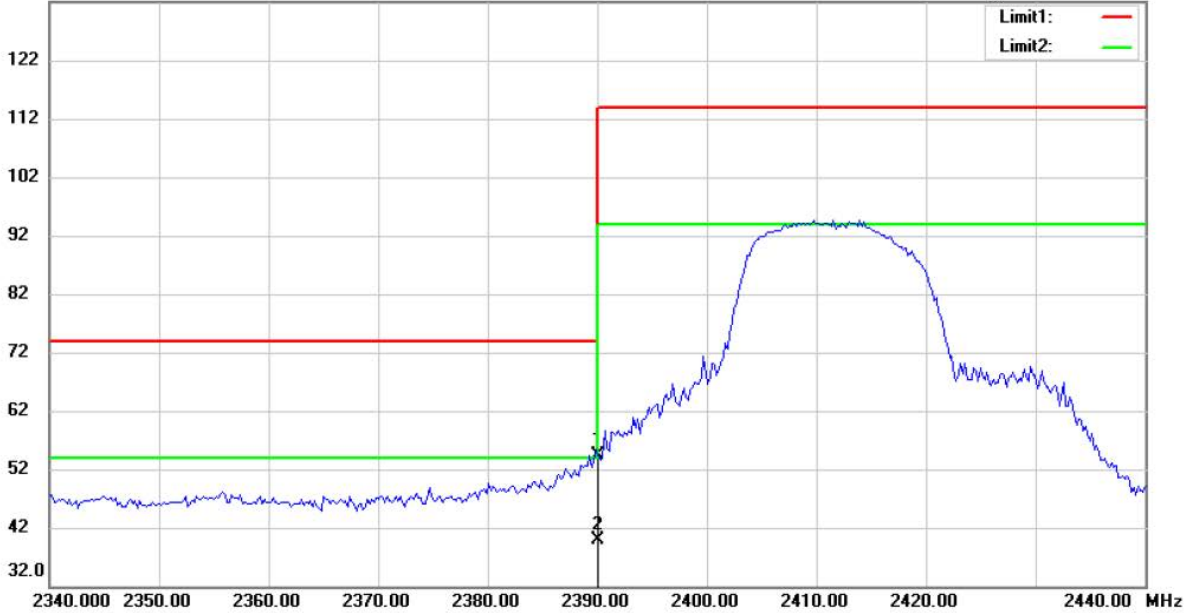


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

File : bandedge Data : #1 Date : 4/1/2020 Operator: Allen
 132.0 dBuV/m Time : 5:35:41 AM Temperature: 24.8 °C
 Humidity: 58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Horizontal*
 EUT : W6M21912-19555 Power : 3.8 Vd.c.
 M/N: Distance: 3m
 Test Mode : TX 802.11g CH1
 Note :

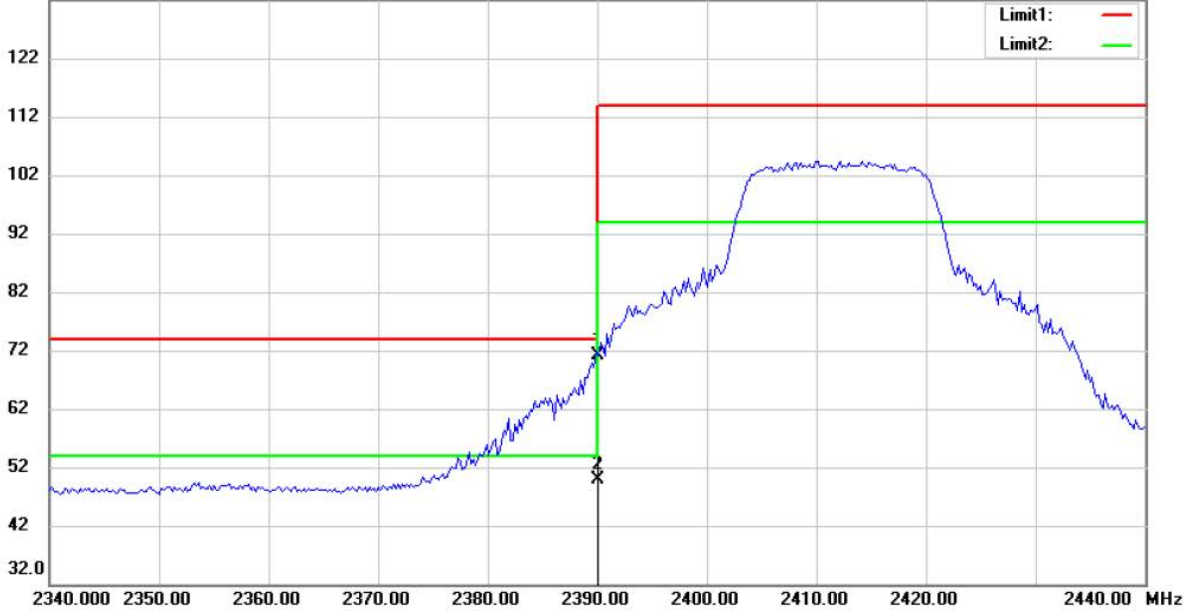
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	17.39	peak	37.02	54.41	74.00	150	330	-19.59	
*	2390.000	2.85	AVG	37.02	39.87	54.00	150	330	-14.13	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement Operator: Allen
 File :bandedge Data :#2 Date: 4/1/2020 Temperature:24.8 °C
 132.0 dBuV/m Time: 5:47:05 AM Humidity:58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Vertical*
 EUT : W6M21912-19555 Power : 3.8 V.d.c.
 M/N:
 Test Mode : TX 802.11g CH1 Distance: 3m
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2390.000	34.09	peak	37.02	71.11	74.00	150	140	-2.89	
	2390.000	12.80	AVG	37.02	49.82	54.00	150	140	-4.18	

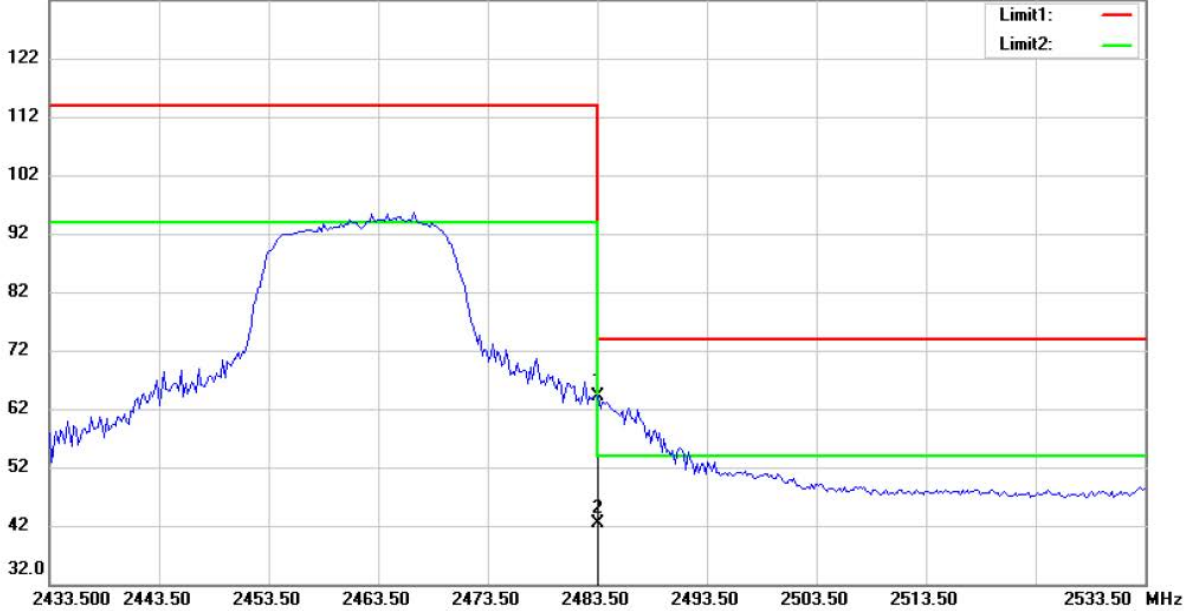


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

File :bandedge Data :#1 Date: 4/1/2020 Operator: Allen
 132.0 dBuV/m Time: 5:49:55 AM Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Horizontal*
 EUT : W6M21912-19555 Power : 3.8 Vd.c.
 M/N: Distance: 3m
 Test Mode : TX 802.11g CH11
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2483.500	26.29	peak	37.74	64.03	74.00	150	115	-9.97	
	2483.500	4.52	AVG	37.74	42.26	54.00	150	115	-11.74	

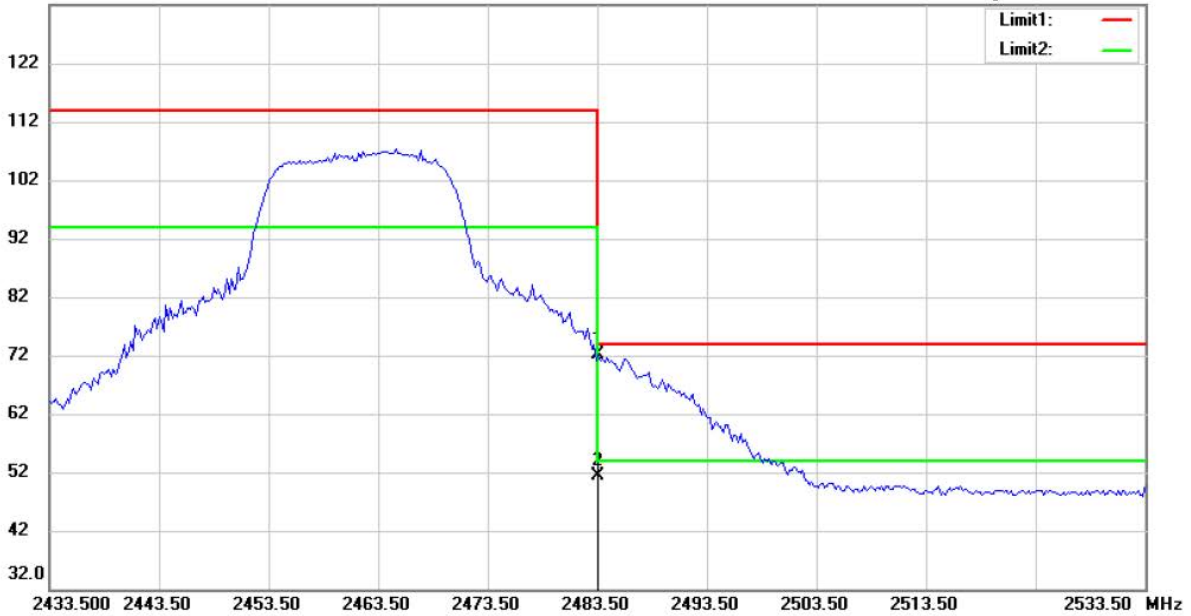


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

File : bandedge Data : #2 Date : 4/1/2020 Operator: Allen
 132.0 dBuV/m Time : 5:57:28 AM Temperature: 24.8 °C
 Humidity: 58.5 %



Site : Chamber
 Condition : FCC 15.247 PK (Bandedge) Polarization: *Vertical*
 EUT : W6M21912-19555 Power : 3.8 V.d.c.
 M/N: Distance: 3m
 Test Mode : TX 802.11g CH11
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2483.500	34.40	peak	37.74	72.14	74.00	150	359	-1.86	
	2483.500	13.62	AVG	37.74	51.36	54.00	150	359	-2.64	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

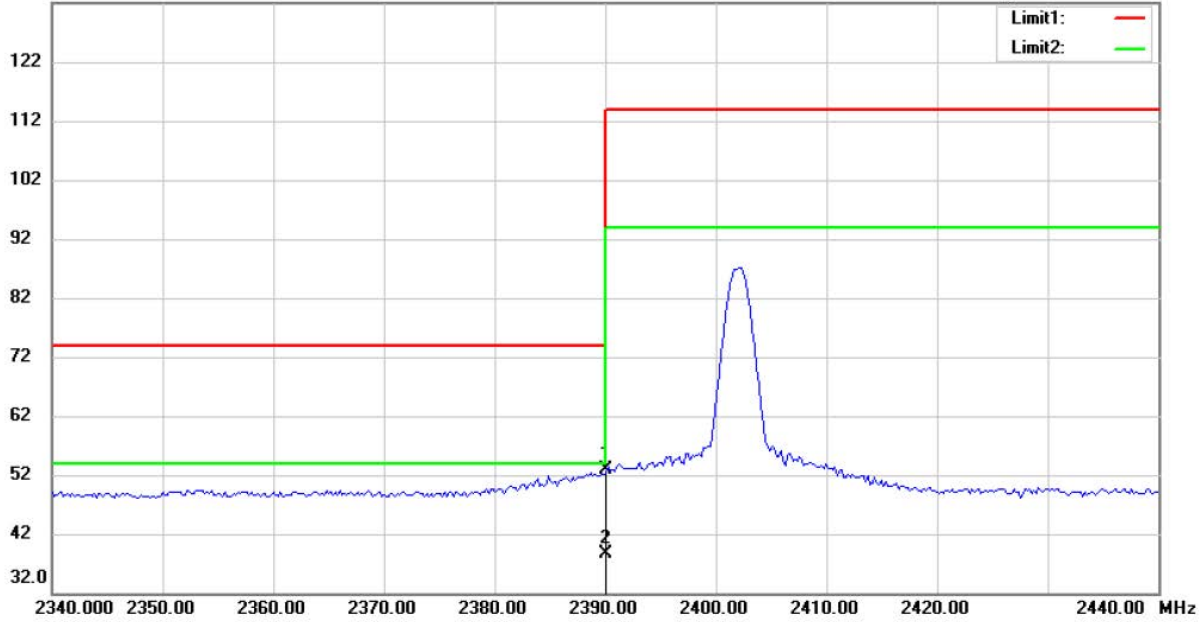
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #1

Date: 3/31/2020
 Time: 7:24:39 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BT Normal 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.91	peak	37.02	52.93	74.00	205	175	-21.07	
*	2390.000	1.70	AVG	37.02	38.72	54.00	205	175	-15.28	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

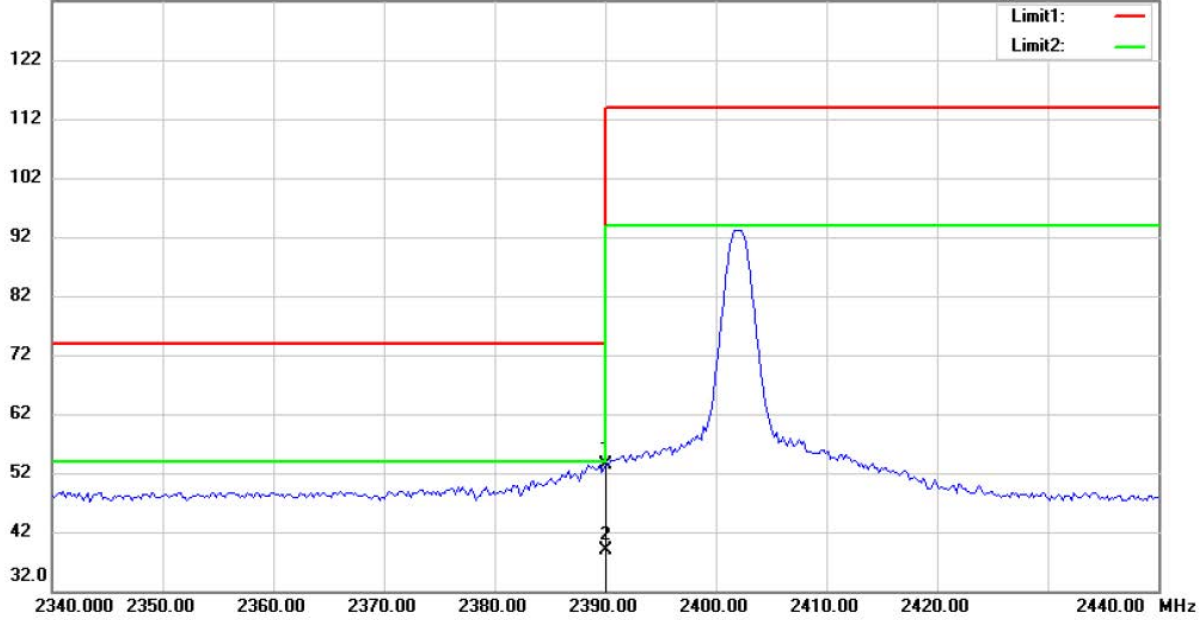
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #2

Date: 3/31/2020
 Time: 7:31:14 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BT Normal 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.45	peak	37.02	53.47	74.00	200	330	-20.53	
*	2390.000	1.86	AVG	37.02	38.88	54.00	200	330	-15.12	



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Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

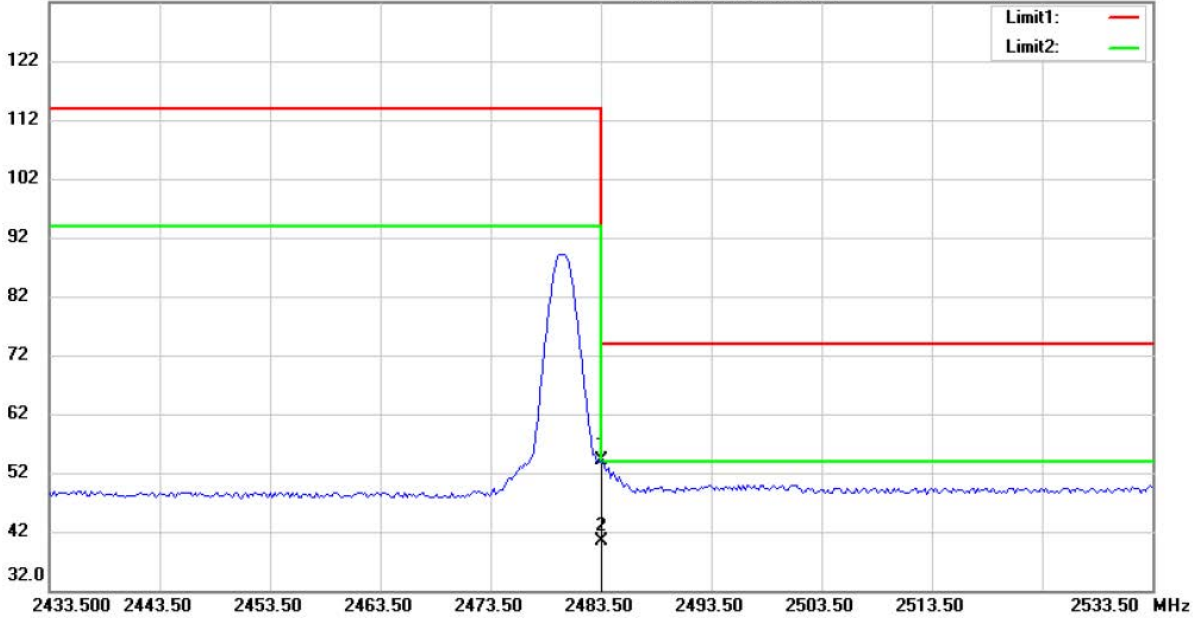
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #1

Date: 3/31/2020
 Time: 7:35:07 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BT Normal 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.33	peak	37.74	54.07	74.00	150	170	-19.93	
*	2483.500	2.71	AVG	37.74	40.45	54.00	150	170	-13.55	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

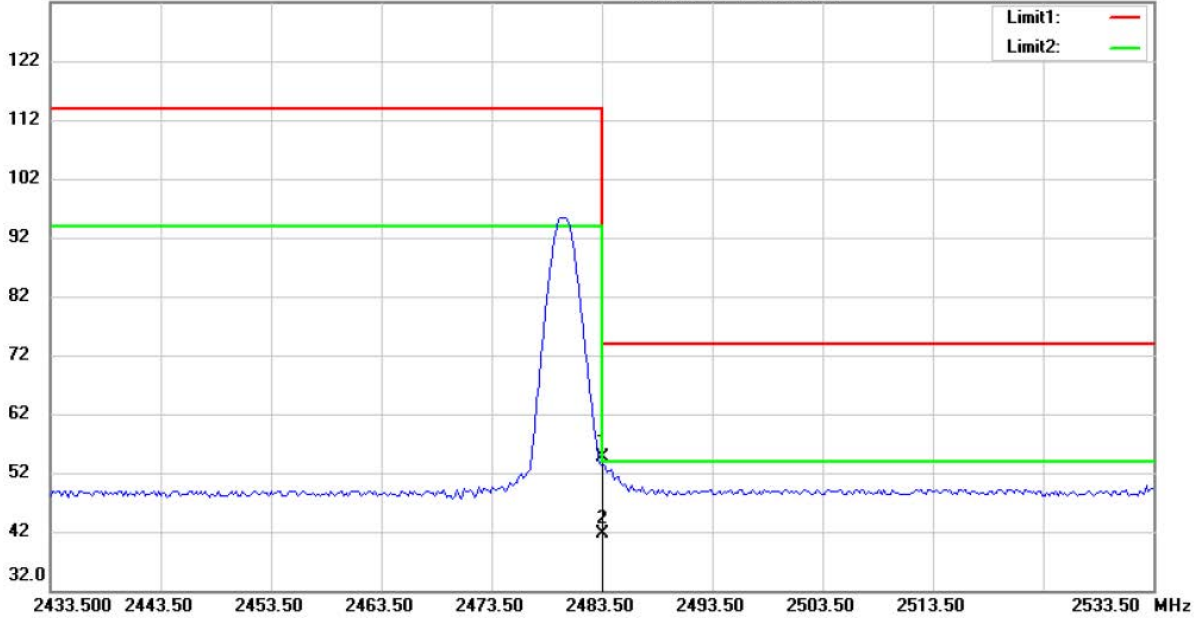
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #2

Date: 3/31/2020
 Time: 7:42:03 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BT Normal 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.78	peak	37.74	54.52	74.00	150	280	-19.48	
*	2483.500	3.80	AVG	37.74	41.54	54.00	150	280	-12.46	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

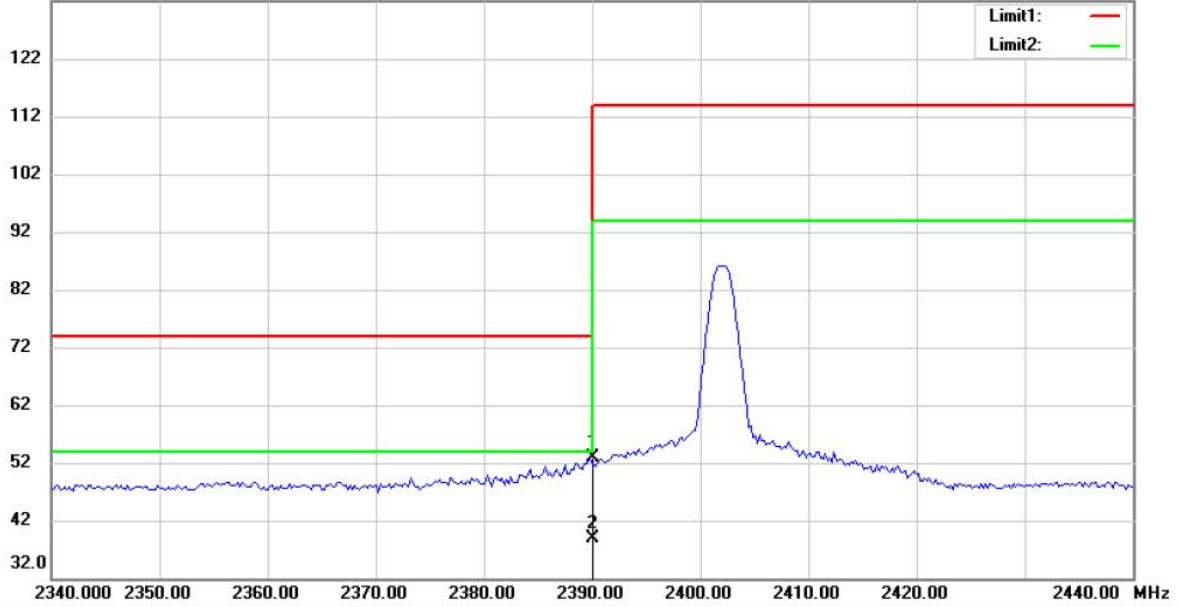
Operator: Allen

File : bandedge
 132.0 dBuV/m

Data : #1

Date: 3/31/2020
 Time: 6:59:13 AM

Temperature: 24.2 °C
 Humidity: 62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BLE 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.86	peak	37.02	52.88	74.00	205	180	-21.12	
*	2390.000	1.76	AVG	37.02	38.78	54.00	205	180	-15.22	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Radiated Emission Measurement

Operator: Allen

File : bandedge

Data : #2

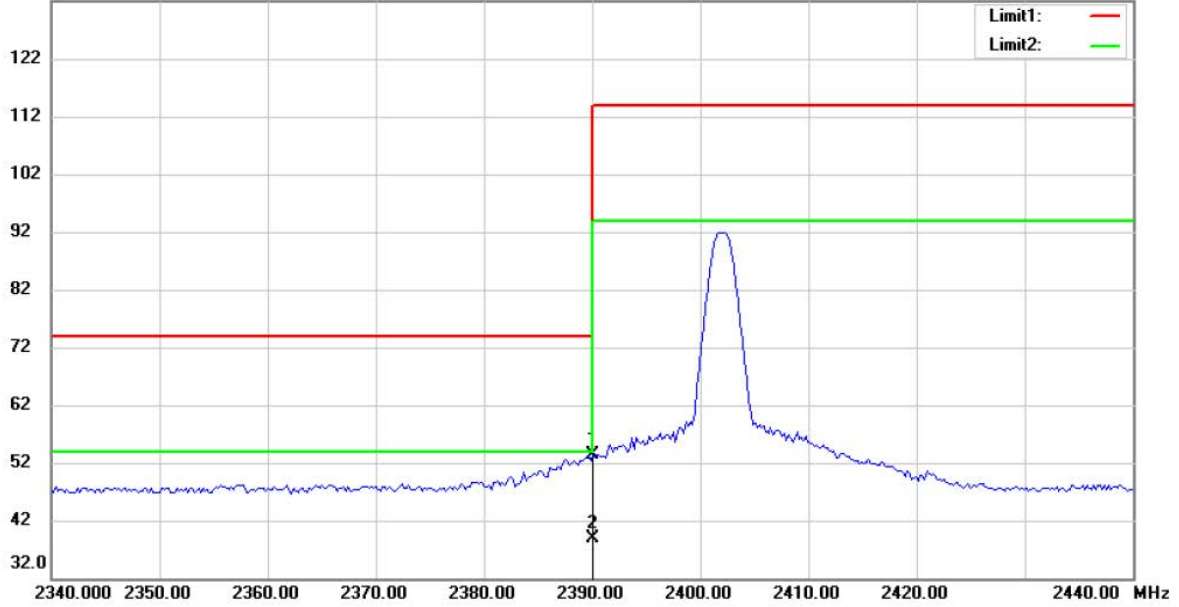
Date: 3/31/2020

Temperature: 24.2 °C

132.0 dBuV/m

Time: 7:05:17 AM

Humidity: 62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX BLE 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.39	peak	37.02	53.41	74.00	180	335	-20.59	
*	2390.000	1.97	AVG	37.02	38.99	54.00	180	335	-15.01	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

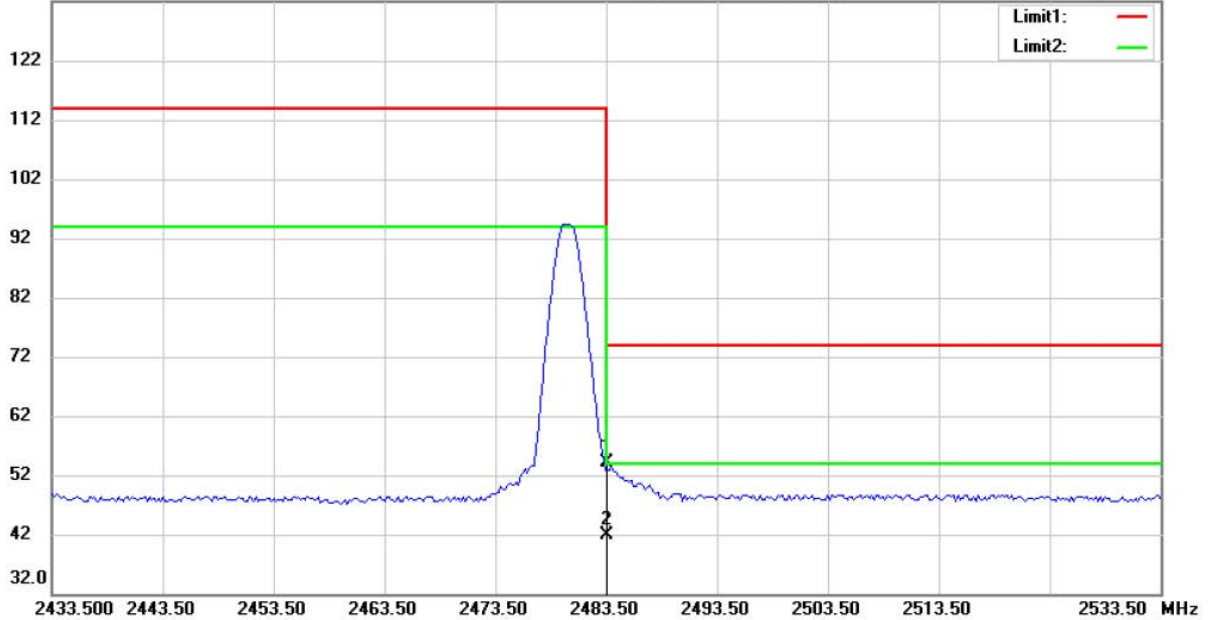
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #1

Date: 3/31/2020
 Time: 7:12:33 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BLE 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.33	peak	37.74	54.07	74.00	150	180	-19.93	
*	2483.500	4.03	AVG	37.74	41.77	54.00	150	180	-12.23	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

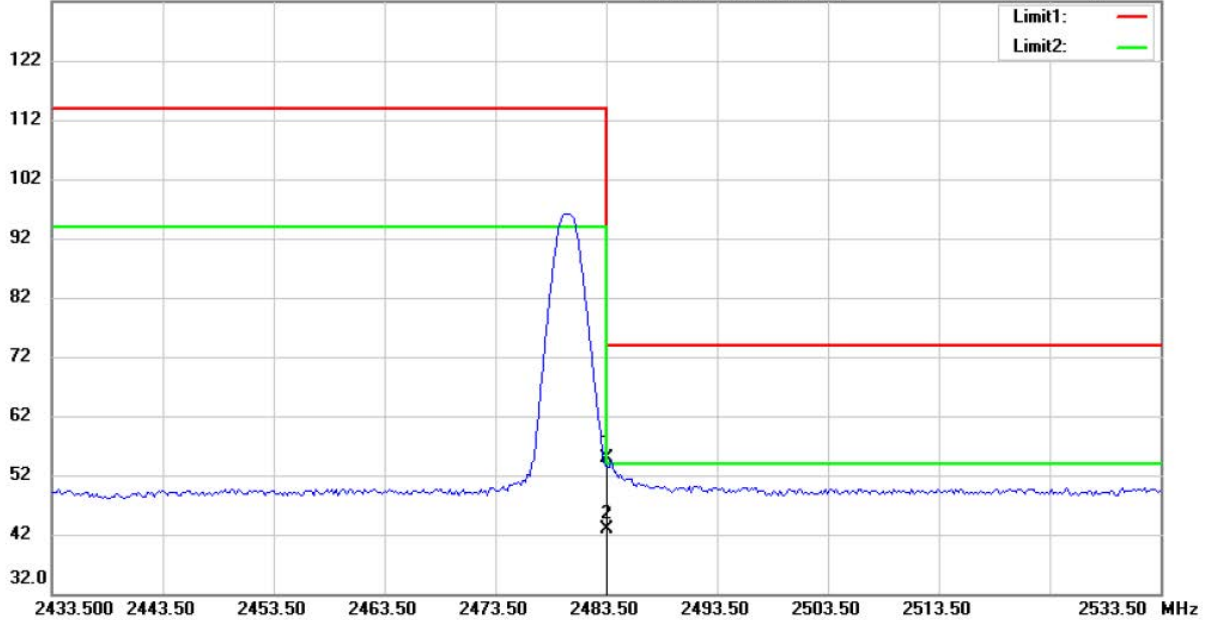
Radiated Emission Measurement

Operator: Allen
 Temperature: 24.2 °C
 Humidity: 62.7 %

File : bandedge
 132.0 dBuV/m

Data : #2

Date: 3/31/2020
 Time: 7:17:39 AM



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX BLE 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	17.12	peak	37.74	54.86	74.00	150	330	-19.14	
*	2483.500	5.12	AVG	37.74	42.86	54.00	150	330	-11.14	

Limit:

Frequency Range (MHz)	Limit (dB μ V/m)	
	Peak	Average
902 – 928	114	94
2400 – 2483.5	74	54
5725 – 5875	74	54

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147



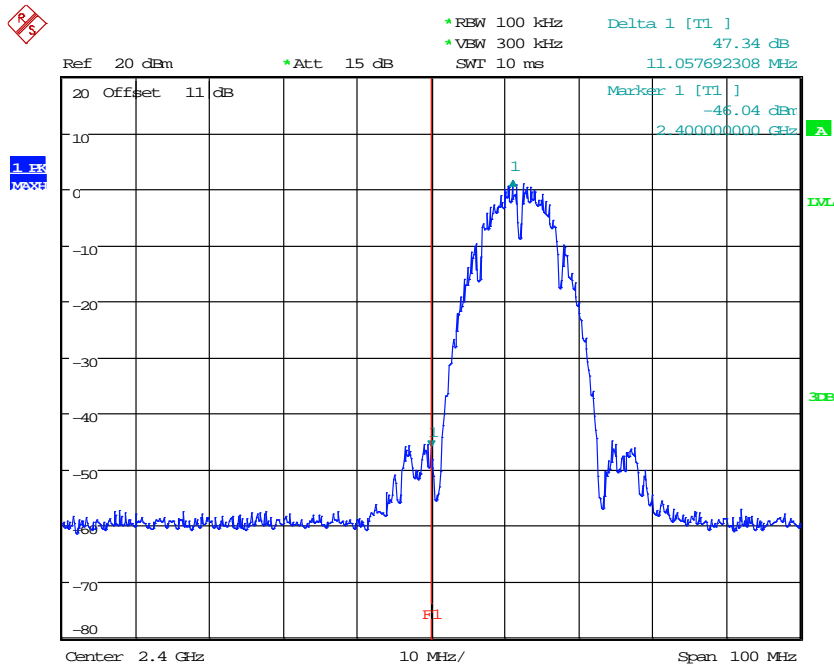
Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.11 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(d) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

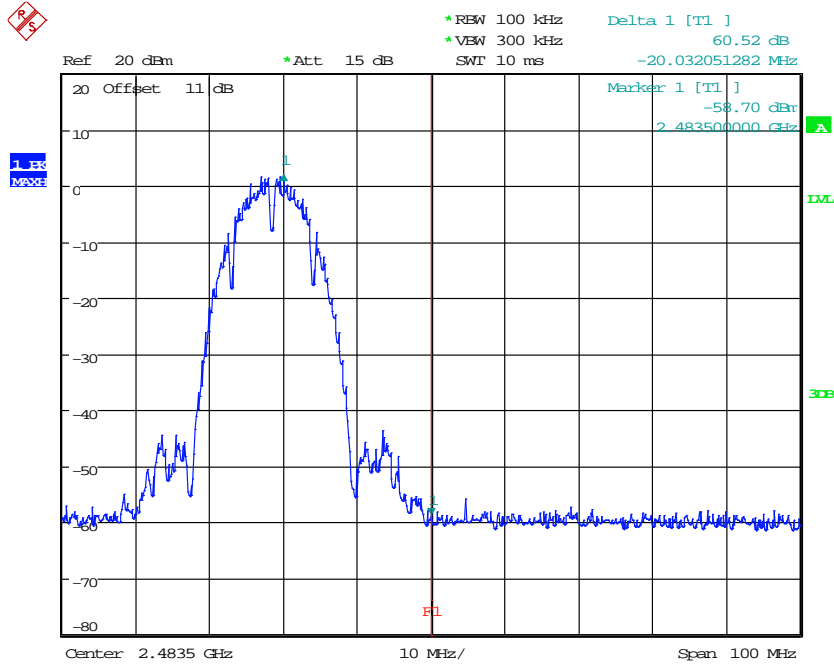
Mode A



BANDEDGE 802.11B CH01
Date: 5.MAR.2020 17:54:23

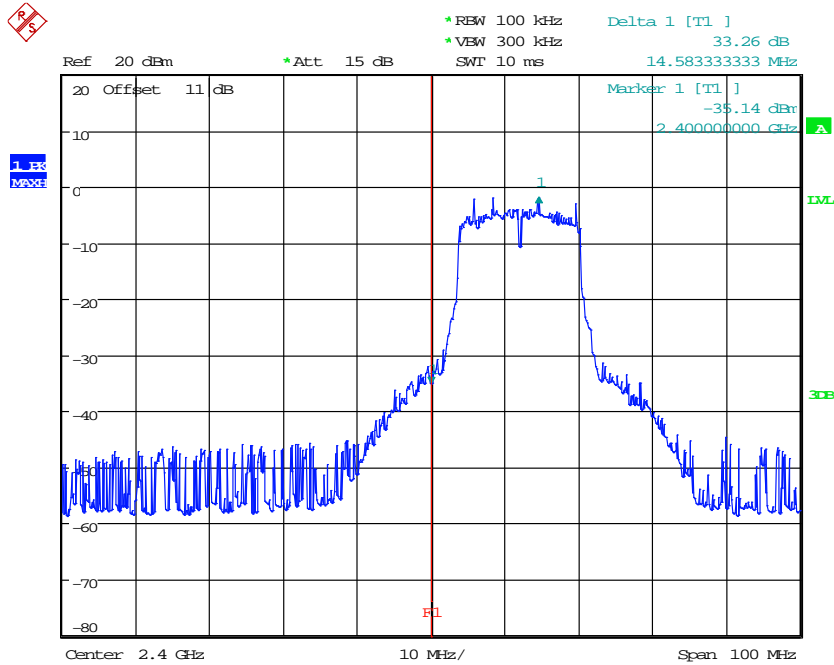


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



BANDEDGE 802.11B CH11
Date: 5.MAR.2020 17:56:52

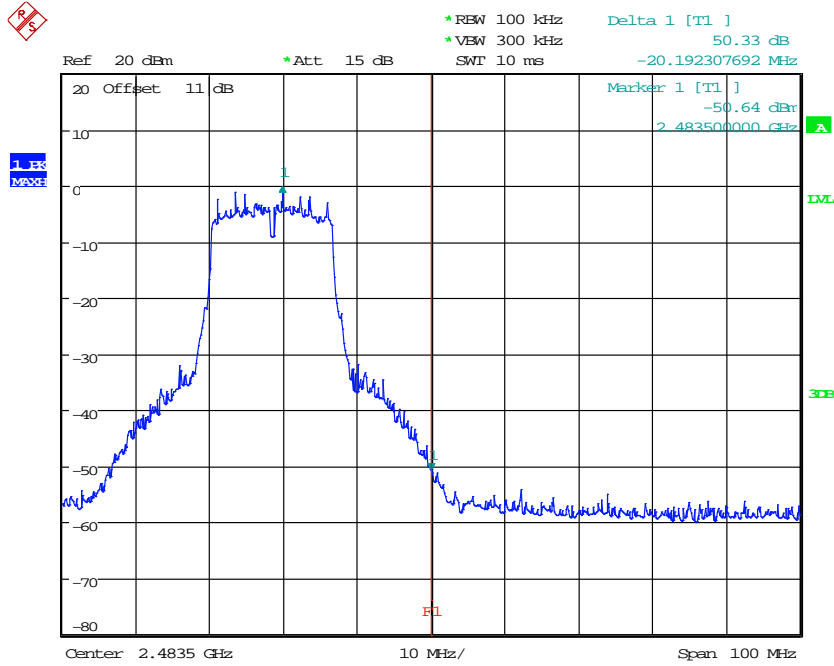
Mode B



BANDEDGE 802.11G CH01
Date: 5.MAR.2020 18:01:19

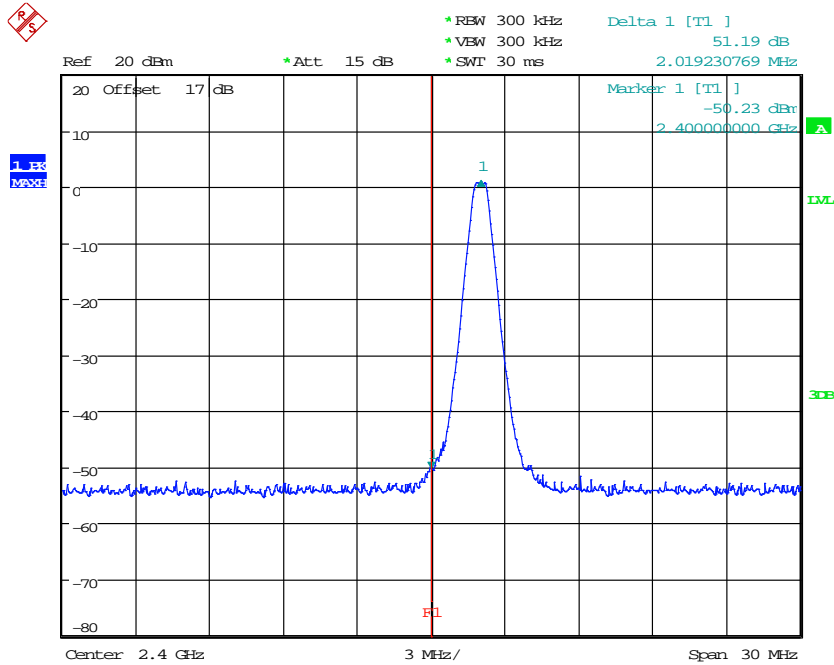


Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



BANDEDGE 802.11G CH11
 Date: 5.MAR.2020 18:03:32

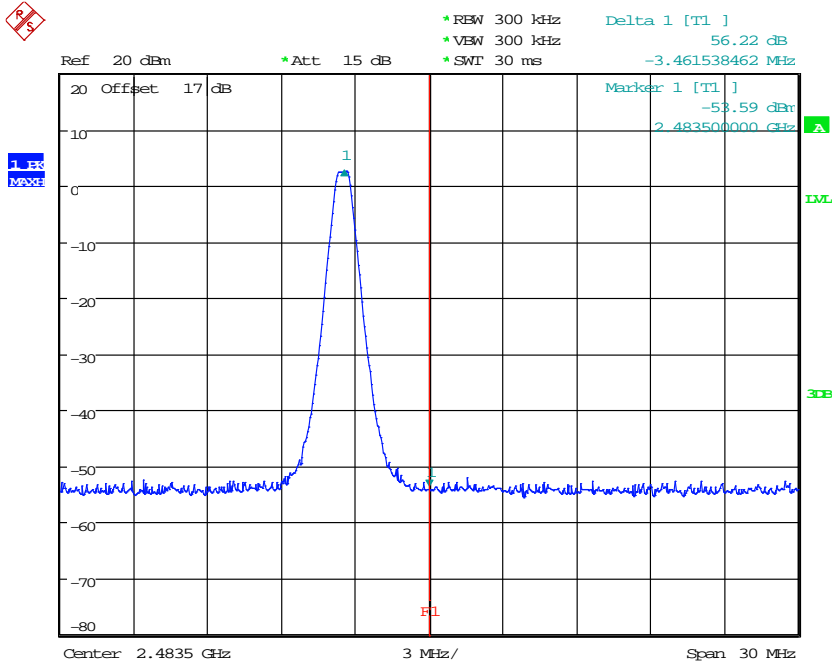
Mode C



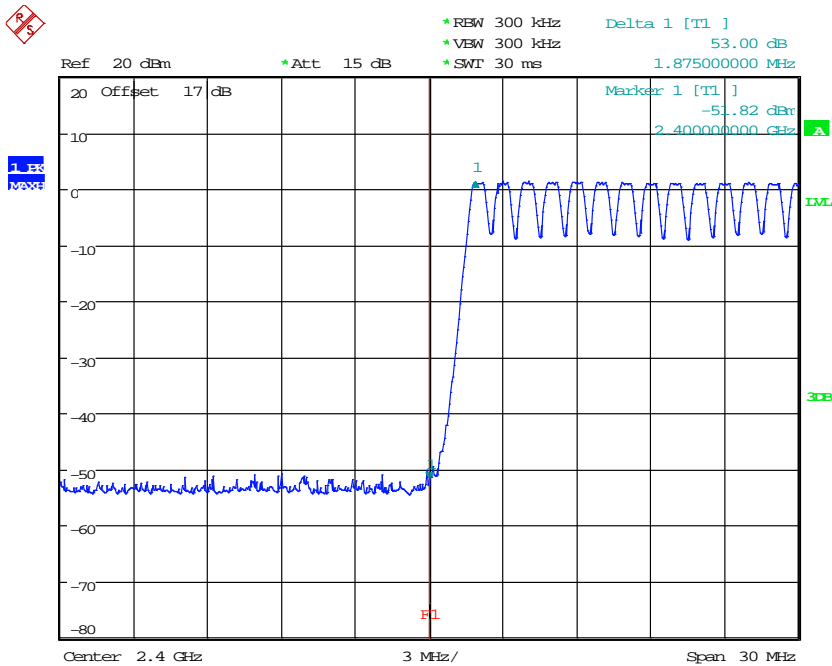
BANDEDGE CH0
 Date: 20.FEB.2020 13:50:31



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



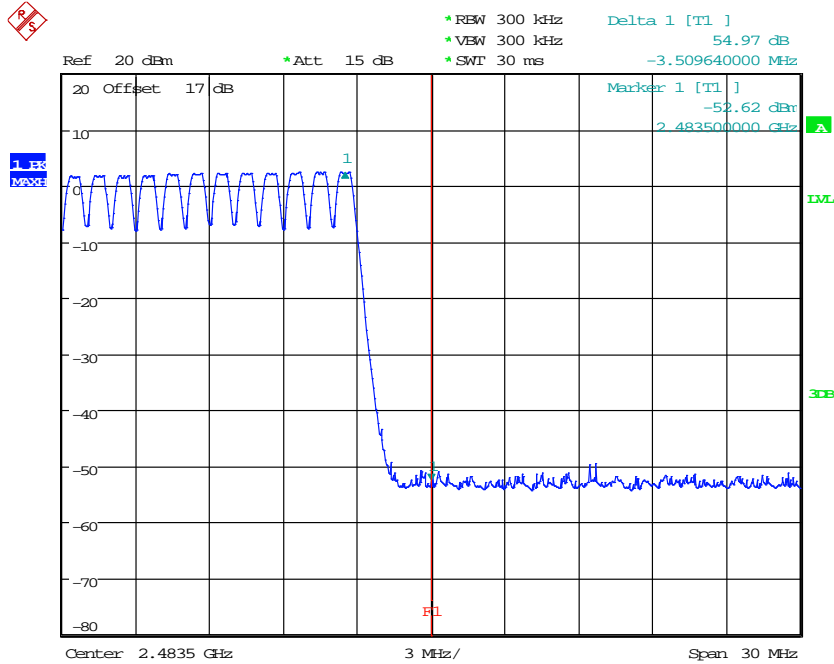
BANDEDGE CH78
Date: 20.FEB.2020 13:53:19



BANDEDGE CH0 HOPPING MODE
Date: 20.FEB.2020 14:23:28

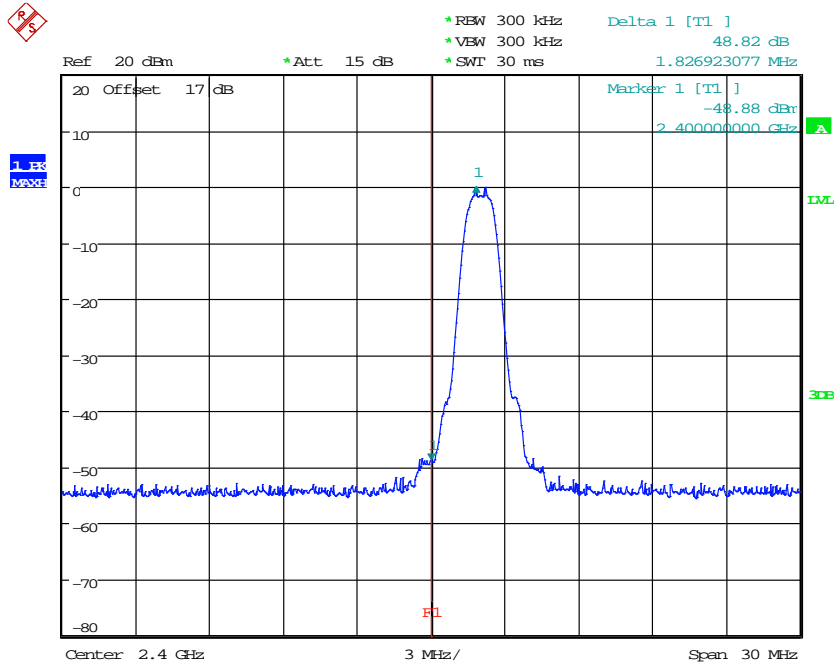


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



BANDEDGE CH78 HOPPING MODE
Date: 20.FEB.2020 14:24:08

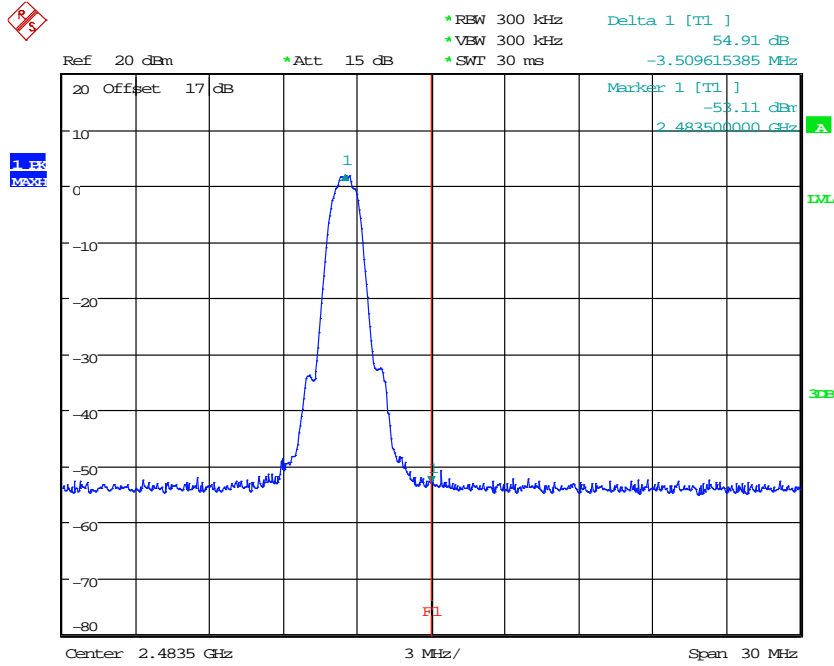
Mode D



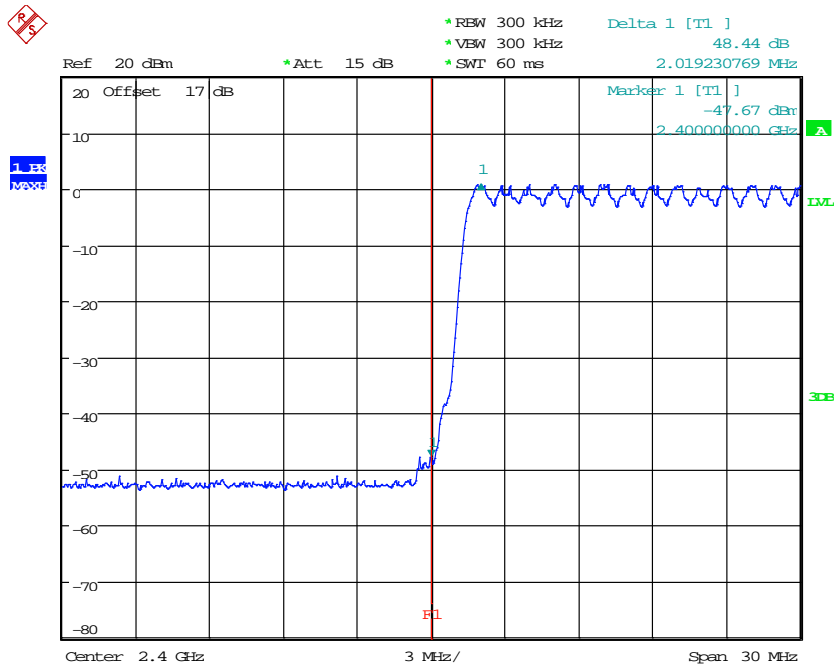
BANDEDGE CH0 EDR MODE
Date: 20.FEB.2020 13:57:35



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



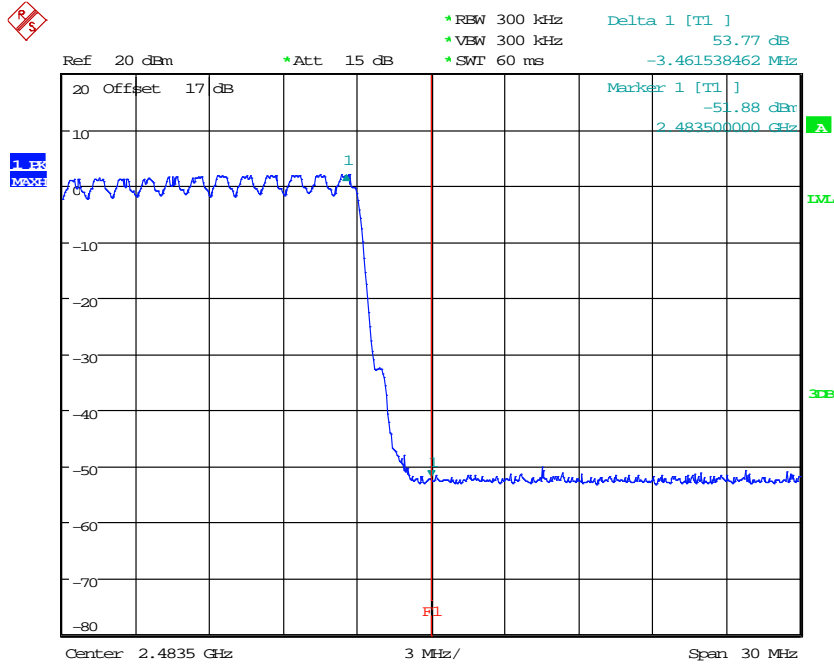
BANDEDGE CH78 EDR MODE
Date: 20.FEB.2020 14:01:27



BANDEDGE CH0 EDR HOPPING MODE
Date: 20.FEB.2020 14:21:22

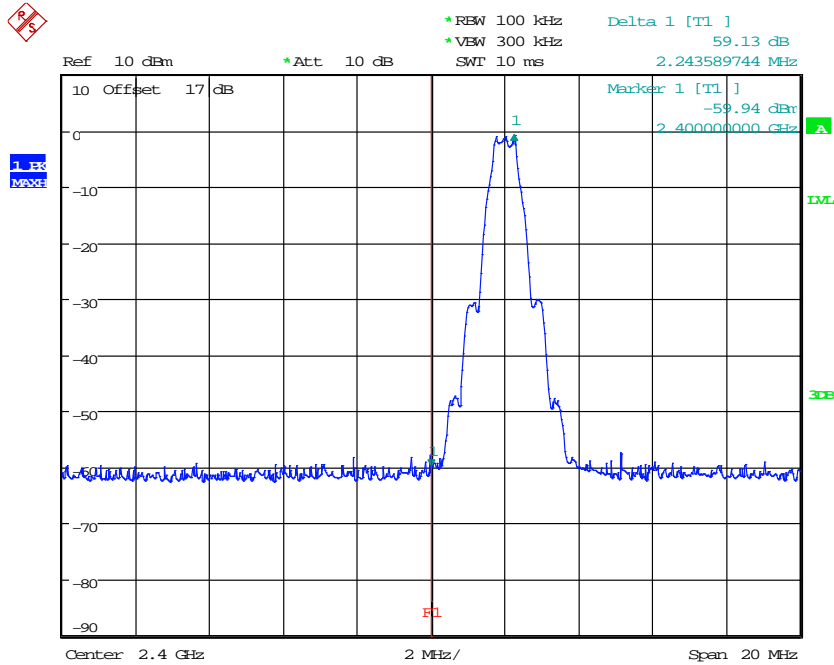


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



BANDEDGE CH78 EDR HOPPING MODE
Date: 20.FEB.2020 14:15:53

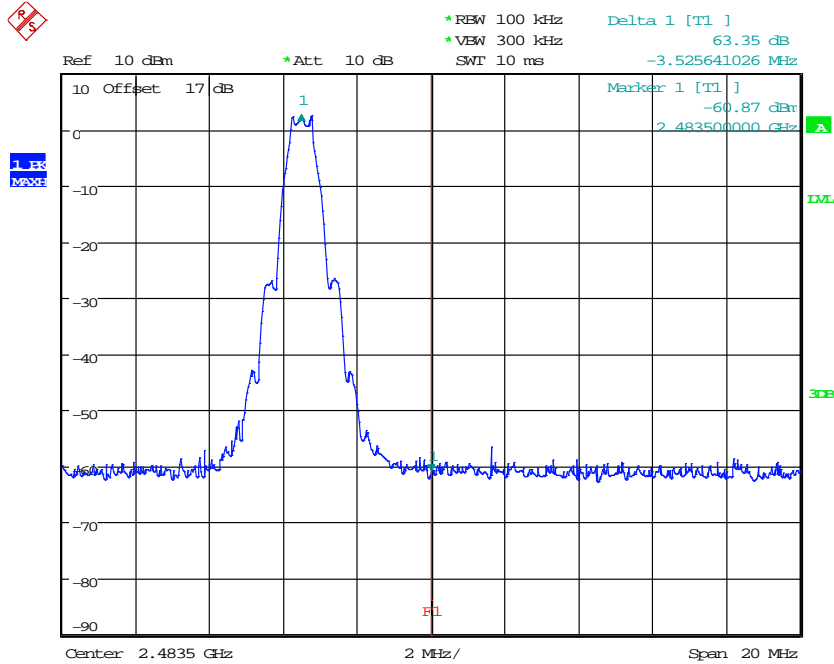
Mode E



BANDEDGE BT4.0 CH00
Date: 20.FEB.2020 13:32:25



Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



BANDEDGE BT4.0 CH39
 Date: 20.FEB.2020 13:34:35

Limit:

Frequency Range / MHz	Limit
902 - 928	- 20 dB
2400 - 2483.5	
5725 - 5850	

Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064

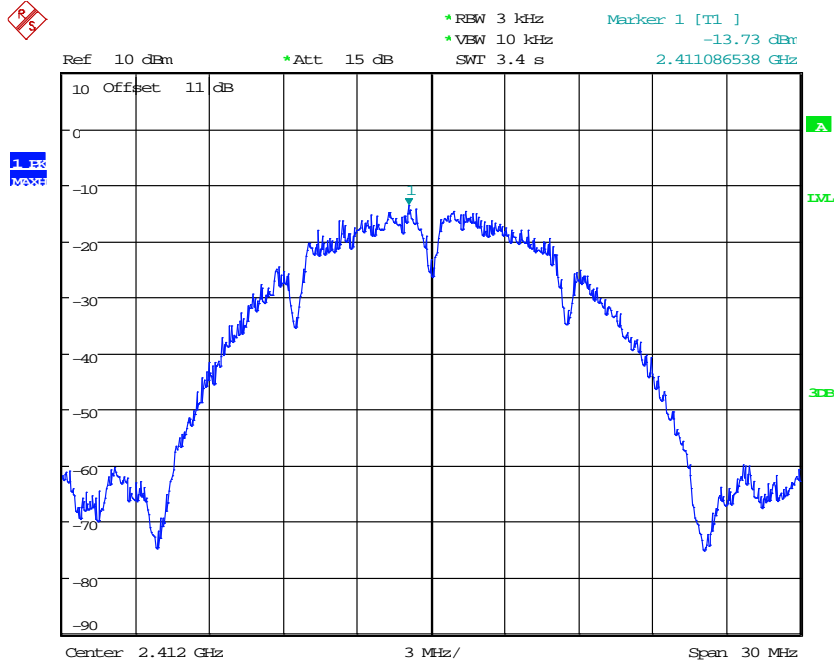


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.12 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

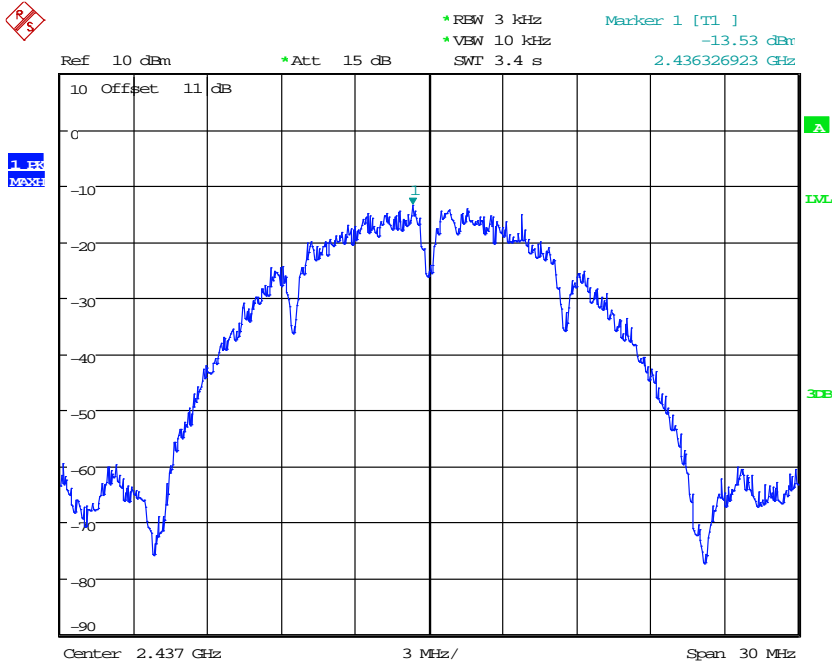
Mode A



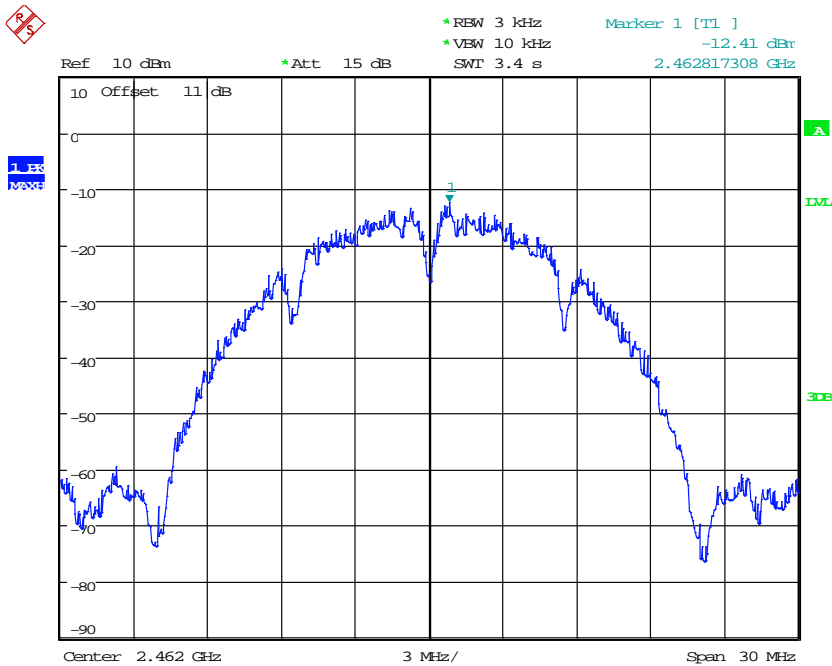
POWER DENSITY 802.11B CH01
Date: 5.MAR.2020 17:54:19



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



POWER DENSITY 802.11B CH06
Date: 5.MAR.2020 17:55:47

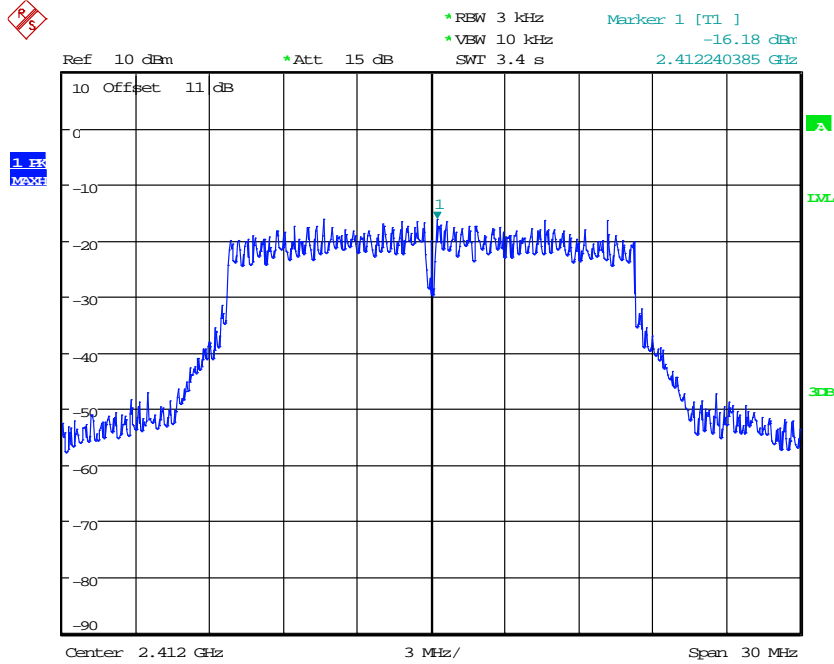


POWER DENSITY 802.11B CH11
Date: 5.MAR.2020 17:56:48

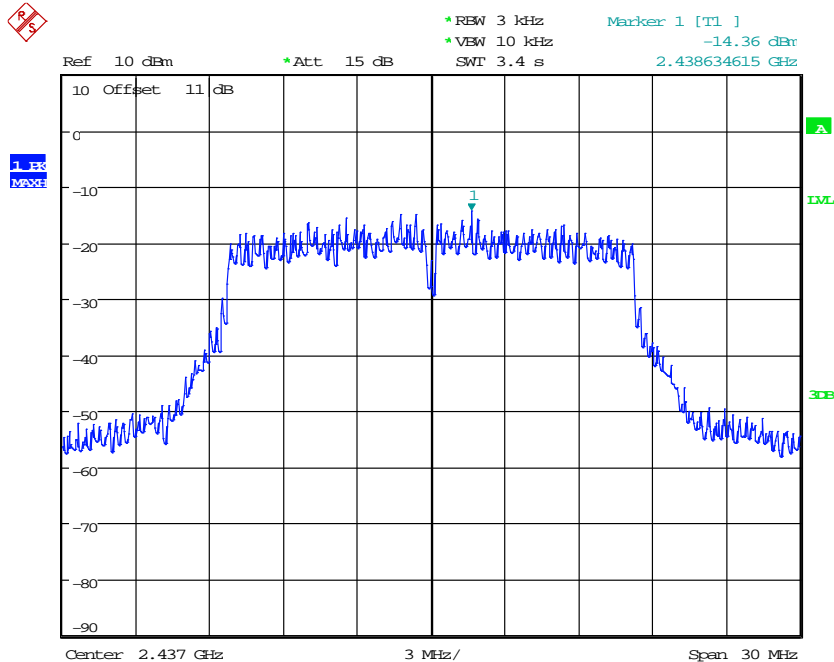


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Mode B



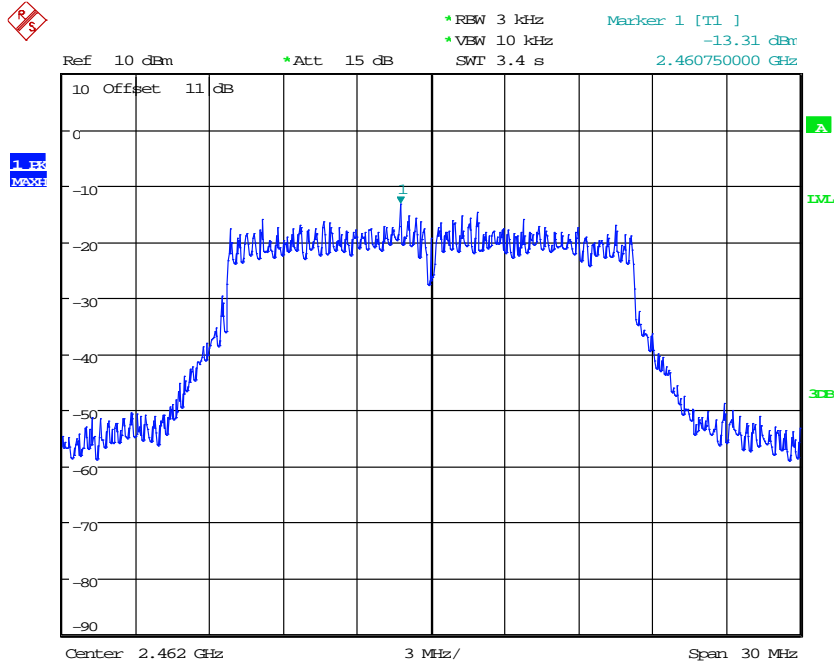
POWER DENSITY 802.11G CH01
Date: 5.MAR.2020 18:01:15



POWER DENSITY 802.11G CH06
Date: 5.MAR.2020 18:02:30

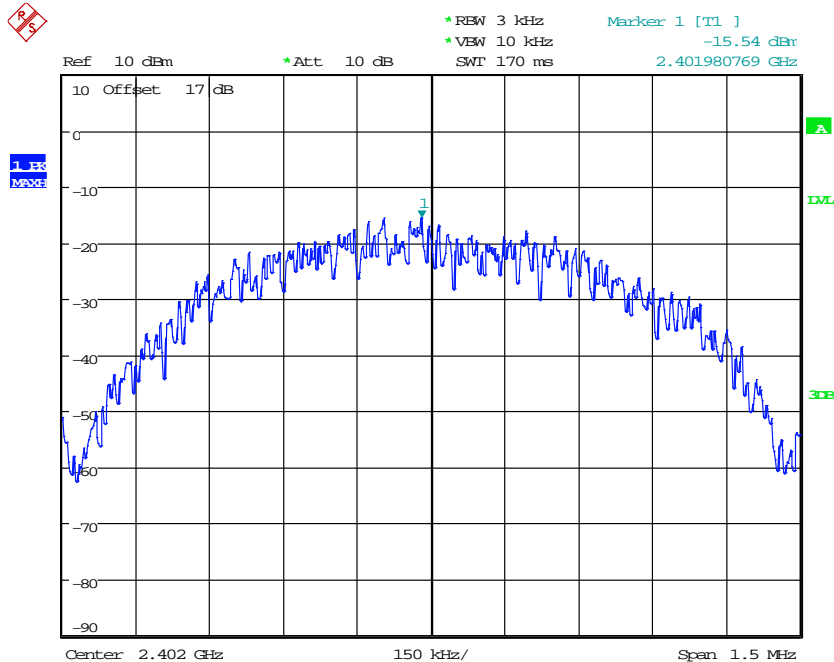


Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556



POWER DENSITY 802.11G CH11
Date: 5.MAR.2020 18:03:28

Mode E

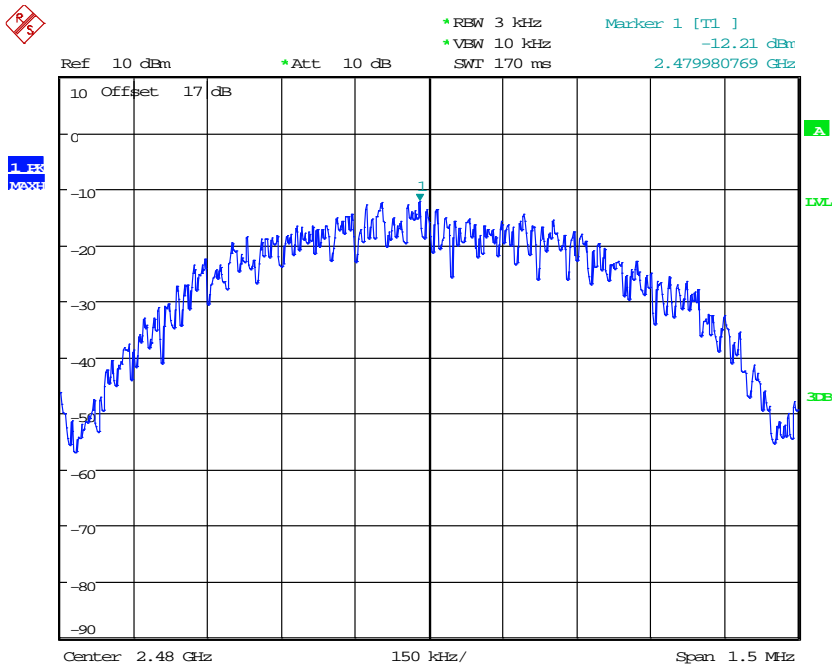
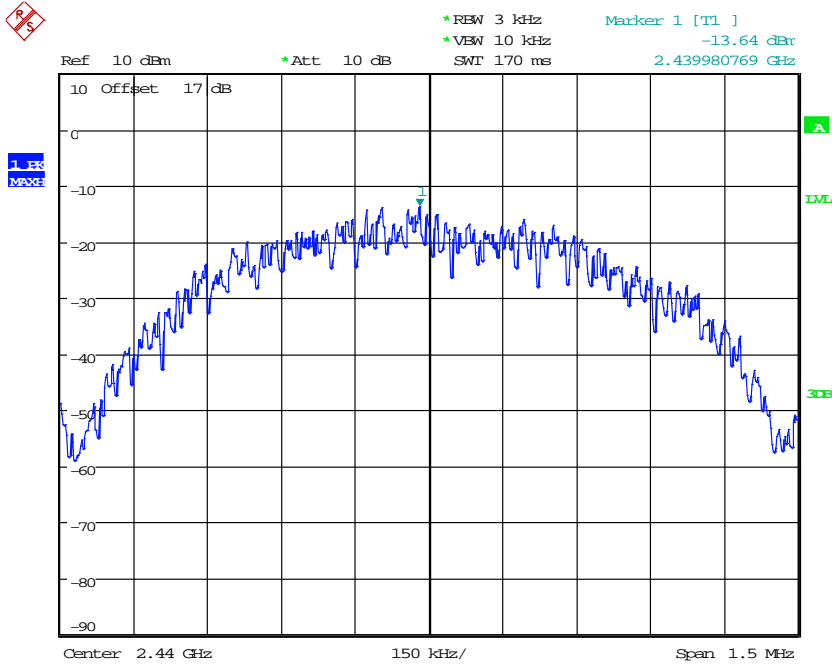


POWER DENSITY BT4.0 CH00
Date: 20.FEB.2020 13:32:17



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
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Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Limits:

Frequency Range MHz	dBm
902-928	8
2400-2483.5	8
5725-5850	8

Test equipment used: ETSTW-RE 055, ETSTW-RE 050



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

3.13 Radiated Emission from Digital Part

FCC Rule: 15.109

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Field Strength (dBmicrovolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

Test equipment used: ETSTW-RE 030, ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 111

Explanation: Please refer to separated test report no.: W6M21912-19555-P-15B.



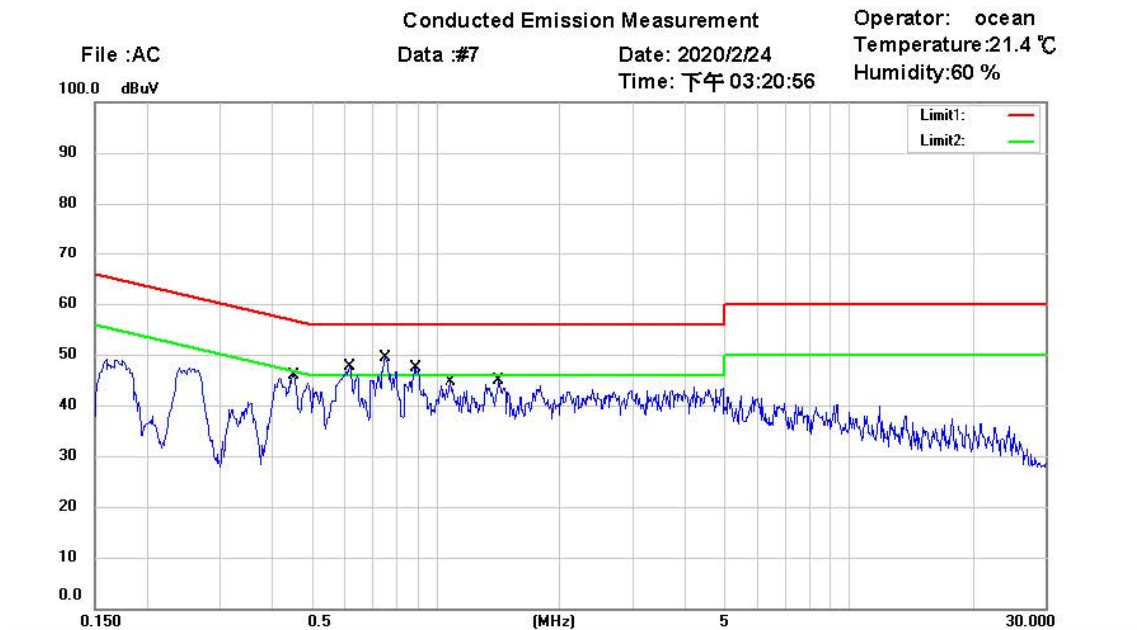
Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

3.14 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

charge stand



Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP) Phase: N
 EUT : W6M21912-19555 Power : 120 V.a.c.
 M/N:
 Test Mode : charge stand
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.4505	25.77	QP	9.68	35.45	56.87	-21.42	
	0.4505	8.16	AVG	9.68	17.84	46.87	-29.03	
	0.6170	33.89	QP	9.67	43.56	56.00	-12.44	
	0.6170	20.36	AVG	9.67	30.03	46.00	-15.97	
*	0.7497	34.04	QP	9.66	43.70	56.00	-12.30	
	0.7497	20.29	AVG	9.66	29.95	46.00	-16.05	
	0.8870	28.33	QP	9.64	37.97	56.00	-18.03	
	0.8870	19.47	AVG	9.64	29.11	46.00	-16.89	
	1.0871	27.79	QP	9.62	37.41	56.00	-18.59	
	1.0871	14.98	AVG	9.62	24.60	46.00	-21.40	
	1.4225	27.30	QP	9.59	36.89	56.00	-19.11	
	1.4225	17.43	AVG	9.59	27.02	46.00	-18.98	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Conducted Emission Measurement

Operator: ocean
 Temperature: 21.4 °C
 Humidity: 60 %



Site : Chamber_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: L1

EUT : W6M21912-19555

Power : 120 V.a.c.

M/N:

Test Mode : charge stand

Note :

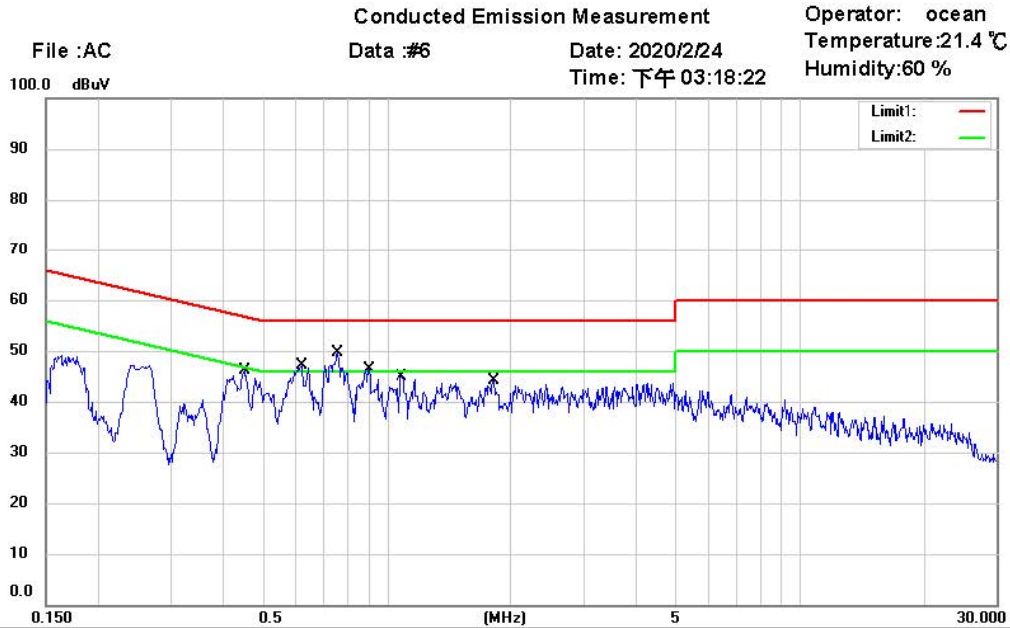
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.4426	24.99	QP	9.71	34.70	57.01	-22.31	
	0.4426	7.70	AVG	9.71	17.41	47.01	-29.60	
	0.6170	31.35	QP	9.69	41.04	56.00	-14.96	
	0.6170	16.73	AVG	9.69	26.42	46.00	-19.58	
*	0.7520	32.99	QP	9.67	42.66	56.00	-13.34	
	0.7520	18.31	AVG	9.67	27.98	46.00	-18.02	
	0.8712	29.51	QP	9.66	39.17	56.00	-16.83	
	0.8712	17.42	AVG	9.66	27.08	46.00	-18.92	
	1.0535	27.99	QP	9.65	37.64	56.00	-18.36	
	1.0535	12.97	AVG	9.65	22.62	46.00	-23.38	
	1.4045	27.22	QP	9.61	36.83	56.00	-19.17	
	1.4045	14.96	AVG	9.61	24.57	46.00	-21.43	



Worldwide Testing Services(Taiwan) Co., Ltd.

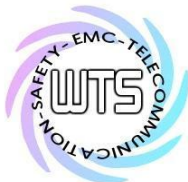
Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

adapter charge



Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP) Phase: N
 EUT : W6M21912-19555 Power : 120 V.a.c.
 M/N:
 Test Mode : adapter charge
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.4508	27.91	QP	9.68	37.59	56.86	-19.27	
	0.4508	8.98	AVG	9.68	18.66	46.86	-28.20	
	0.6215	32.75	QP	9.67	42.42	56.00	-13.58	
	0.6215	18.59	AVG	9.67	28.26	46.00	-17.74	
*	0.7587	33.75	QP	9.65	43.40	56.00	-12.60	
	0.7587	21.12	AVG	9.65	30.77	46.00	-15.23	
	0.9005	29.00	QP	9.64	38.64	56.00	-17.36	
	0.9005	17.72	AVG	9.64	27.36	46.00	-18.64	
	1.0827	25.85	QP	9.62	35.47	56.00	-20.53	
	1.0827	13.61	AVG	9.62	23.23	46.00	-22.77	
	1.8118	25.00	QP	9.56	34.56	56.00	-21.44	
	1.8118	15.58	AVG	9.56	25.14	46.00	-20.86	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

Conducted Emission Measurement

Operator: ocean

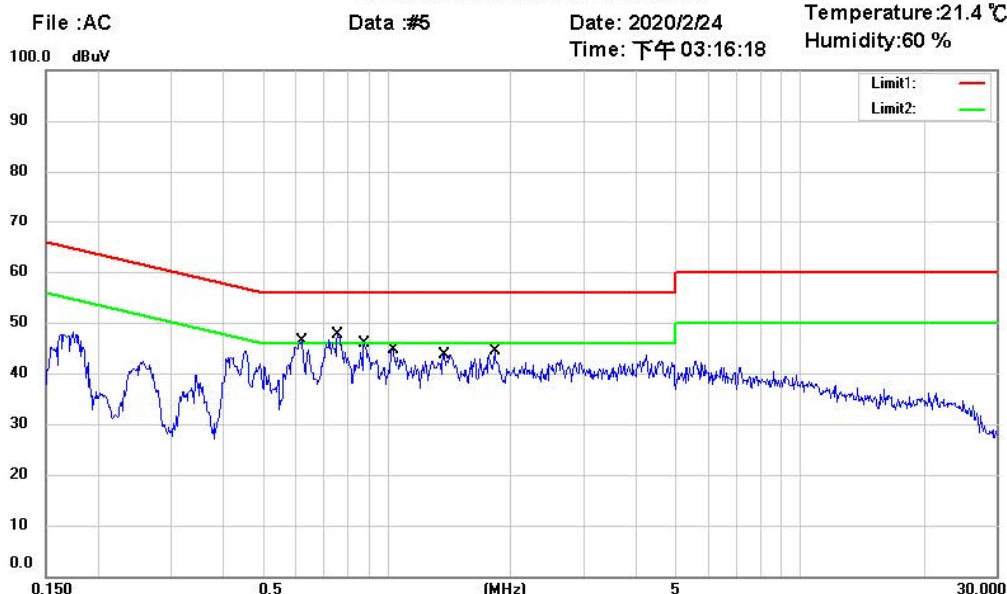
Data :#5

Date: 2020/2/24

Temperature:21.4 °C

Time: 下午 03:16:18

Humidity:60 %



Site : Chamber_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: L1

EUT : W6M21912-19555

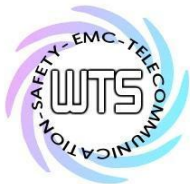
Power : 120 Va.c.

M/N:

Test Mode : adapter charge

Note :

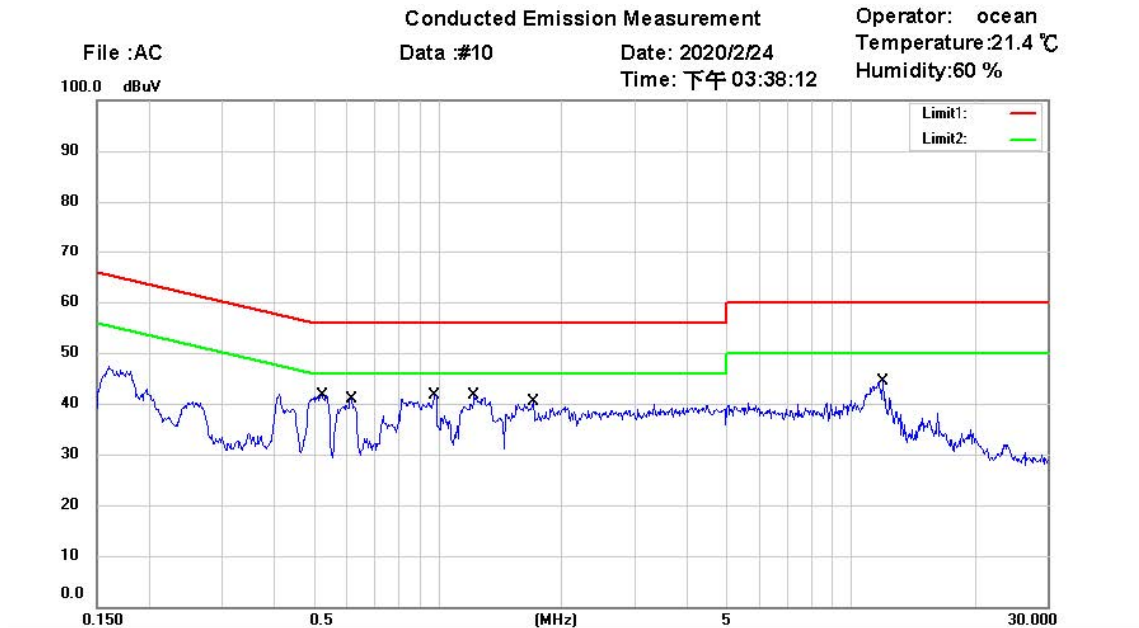
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.6215	31.69	QP	9.69	41.38	56.00	-14.62	
	0.6215	15.37	AVG	9.69	25.06	46.00	-20.94	
*	0.7587	32.59	QP	9.67	42.26	56.00	-13.74	
	0.7587	18.44	AVG	9.67	28.11	46.00	-17.89	
	0.8802	30.28	QP	9.66	39.94	56.00	-16.06	
	0.8802	17.72	AVG	9.66	27.38	46.00	-18.62	
	1.0287	26.51	QP	9.65	36.16	56.00	-19.84	
	1.0287	16.67	AVG	9.65	26.32	46.00	-19.68	
	1.3753	25.85	QP	9.62	35.47	56.00	-20.53	
	1.3753	14.48	AVG	9.62	24.10	46.00	-21.90	
	1.8275	25.06	QP	9.58	34.64	56.00	-21.36	
	1.8275	15.66	AVG	9.58	25.24	46.00	-20.76	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556

data



Site : Chamber_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: N

EUT : W6M21912-19555

Power : 5 Vd.c.(USB)

M/N:

Test Mode : data

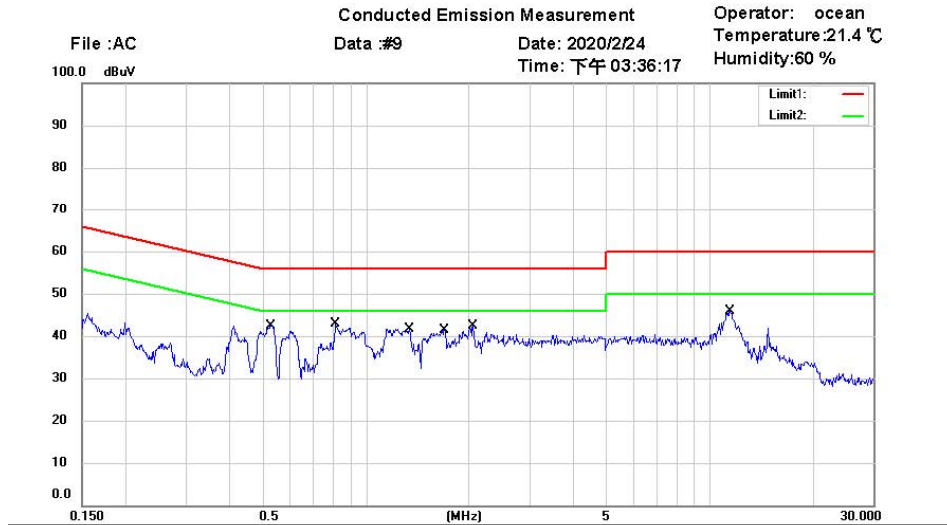
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.5225	26.04	QP	9.68	35.72	56.00	-20.28	
	0.5225	14.56	AVG	9.68	24.24	46.00	-21.76	
	0.6147	23.67	QP	9.67	33.34	56.00	-22.66	
	0.6147	13.78	AVG	9.67	23.45	46.00	-22.55	
	0.9770	24.96	QP	9.63	34.59	56.00	-21.41	
	0.9770	13.60	AVG	9.63	23.23	46.00	-22.77	
	1.2290	24.46	QP	9.61	34.07	56.00	-21.93	
	1.2290	13.96	AVG	9.61	23.57	46.00	-22.43	
	1.7015	24.88	QP	9.57	34.45	56.00	-21.55	
	1.7015	10.25	AVG	9.57	19.82	46.00	-26.18	
	11.8875	24.52	QP	10.79	35.31	60.00	-24.69	
	11.8875	17.76	AVG	10.79	28.55	50.00	-21.45	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
 FCC ID: IPH-B3556



Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP) Phase: L1
 EUT : W6M21912-19555 Power : 5 Vd.c.(USB)
 M/N:
 Test Mode : data
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.5270	28.71	QP	9.70	38.41	56.00	-17.59	
	0.5270	16.55	AVG	9.70	26.25	46.00	-19.75	
	0.8127	27.64	QP	9.67	37.31	56.00	-18.69	
	0.8127	15.62	AVG	9.67	25.29	46.00	-20.71	
	1.3438	28.14	QP	9.62	37.76	56.00	-18.24	
	1.3438	12.78	AVG	9.62	22.40	46.00	-23.60	
	1.6903	24.78	QP	9.59	34.37	56.00	-21.63	
	1.6903	12.15	AVG	9.59	21.74	46.00	-24.26	
	2.0480	23.89	QP	9.56	33.45	56.00	-22.55	
	2.0480	15.10	AVG	9.56	24.66	46.00	-21.34	
	11.4125	29.00	QP	10.79	39.79	60.00	-20.21	
	11.4125	16.73	AVG	10.79	27.52	50.00	-22.48	

Note

1. The formula of measured value as: Test Result = Reading + Correction Factor
2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
4. All not in the table noted test results are more than 20 dB below the relevant limits.
5. Up Line: QP Limit Line, Down Line: Ave Limit Line.

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-RE 045.



Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Appendix

Measurement diagrams

Spurious Emissions radiated



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :1_WiFi 2

Data :#1

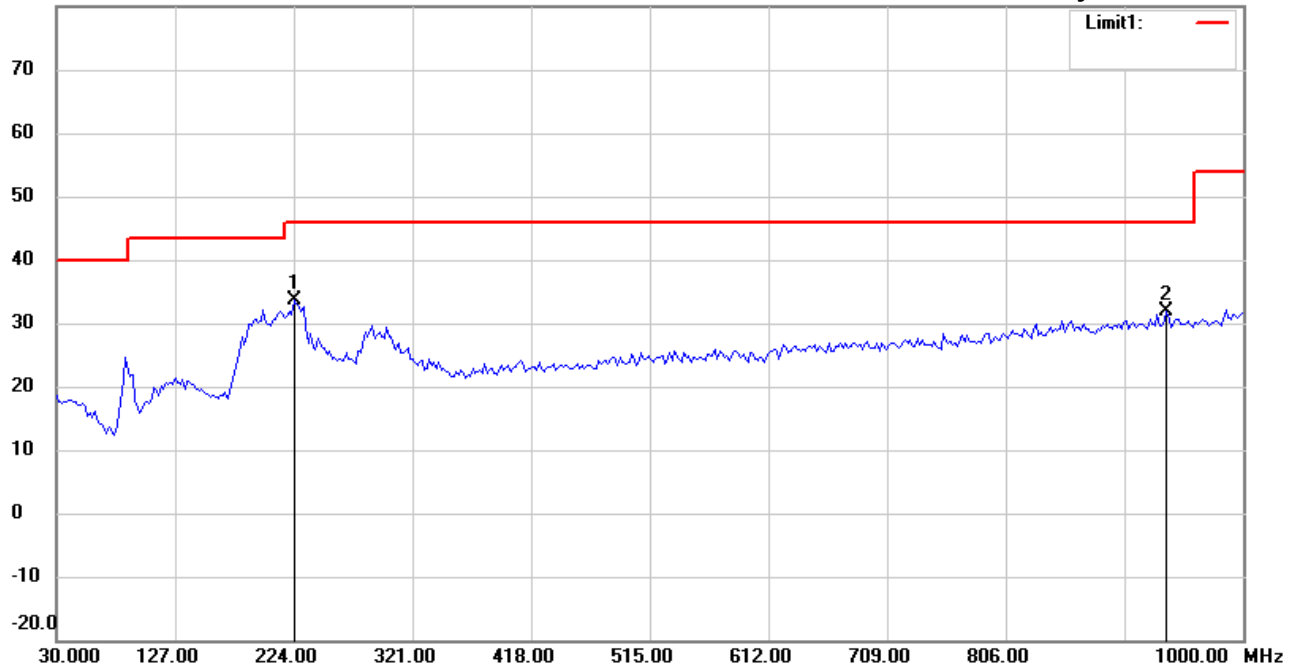
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:10:04 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	224.3888	43.23	peak	-9.69	33.54	46.00	100	30	-12.46	
	937.7956	27.89	peak	3.97	31.86	46.00	100	290	-14.14	



Radiated Emission Measurement

Operator: Allen

File :1_WiFi 2

Data :#2

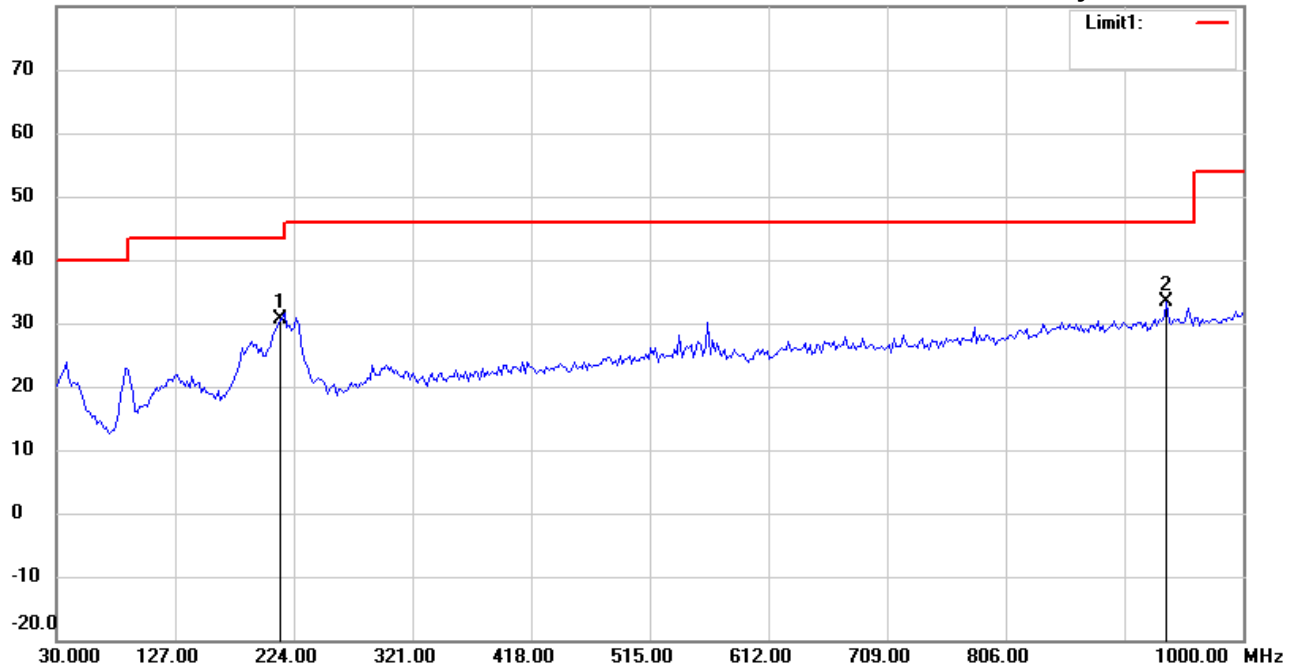
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:11:03 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	212.7255	41.35	peak	-10.61	30.74	43.50	100	155	-12.76	
*	937.7956	29.32	peak	3.97	33.29	46.00	100	40	-12.71	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

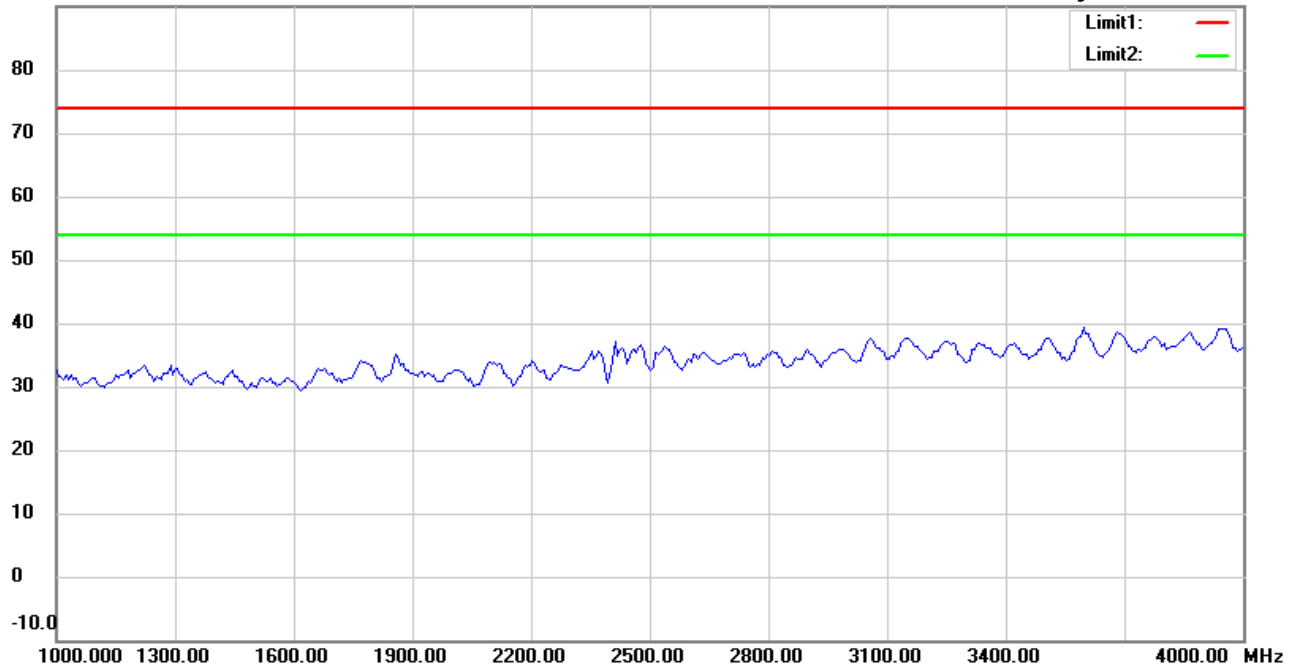
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:48:52 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

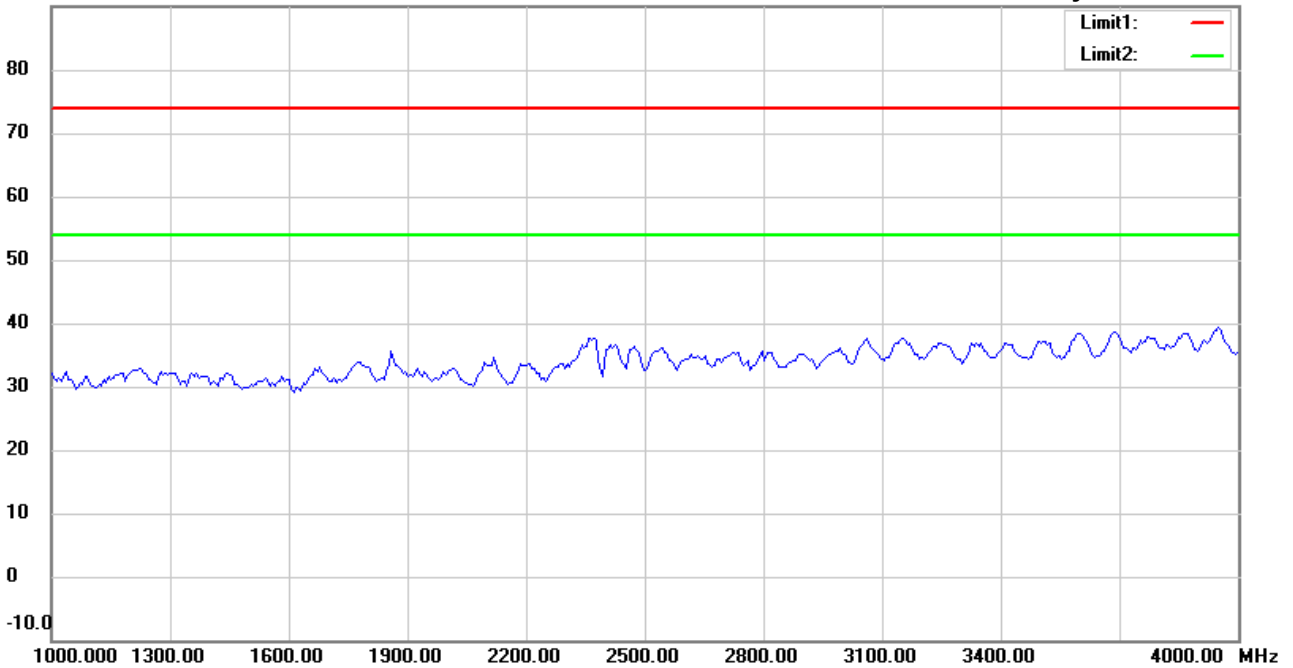
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:52:23 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

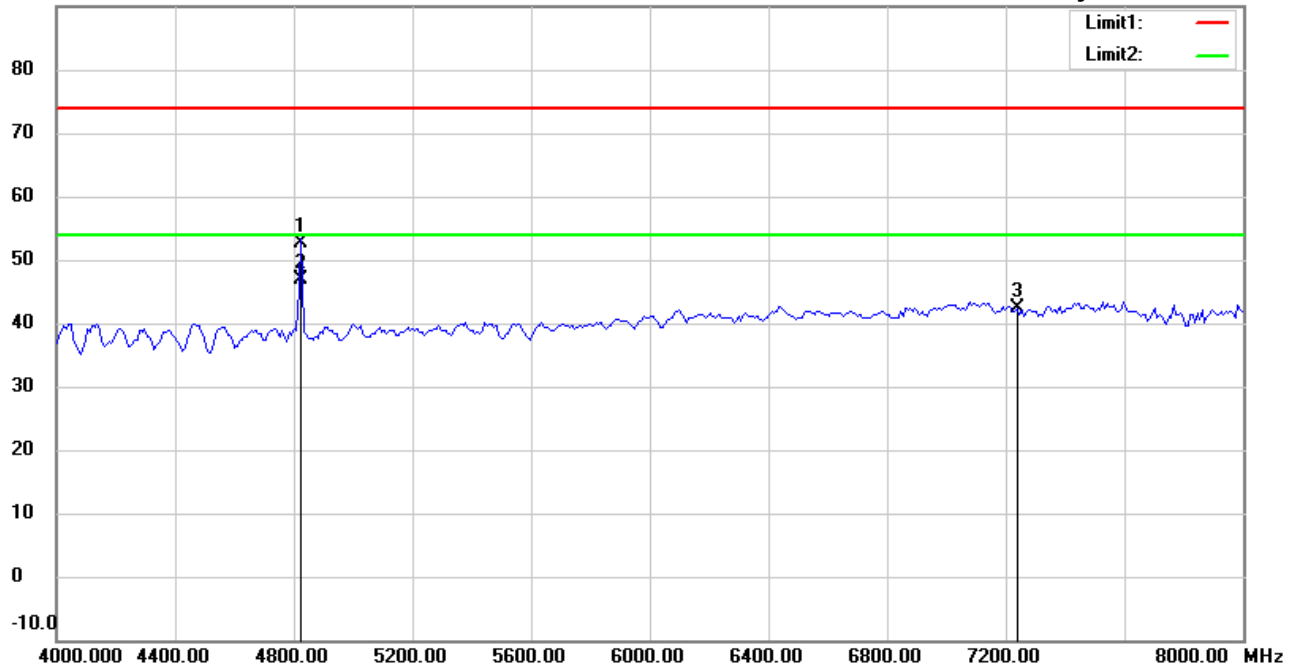
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:49:53 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.045	54.61	peak	-1.88	52.73	74.00	150	179	-21.27	
*	4824.045	48.85	AVG	-1.88	46.97	54.00	150	179	-7.03	
	7236.000	39.01	peak	3.28	42.29	74.00	150	220	-31.71	

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



Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

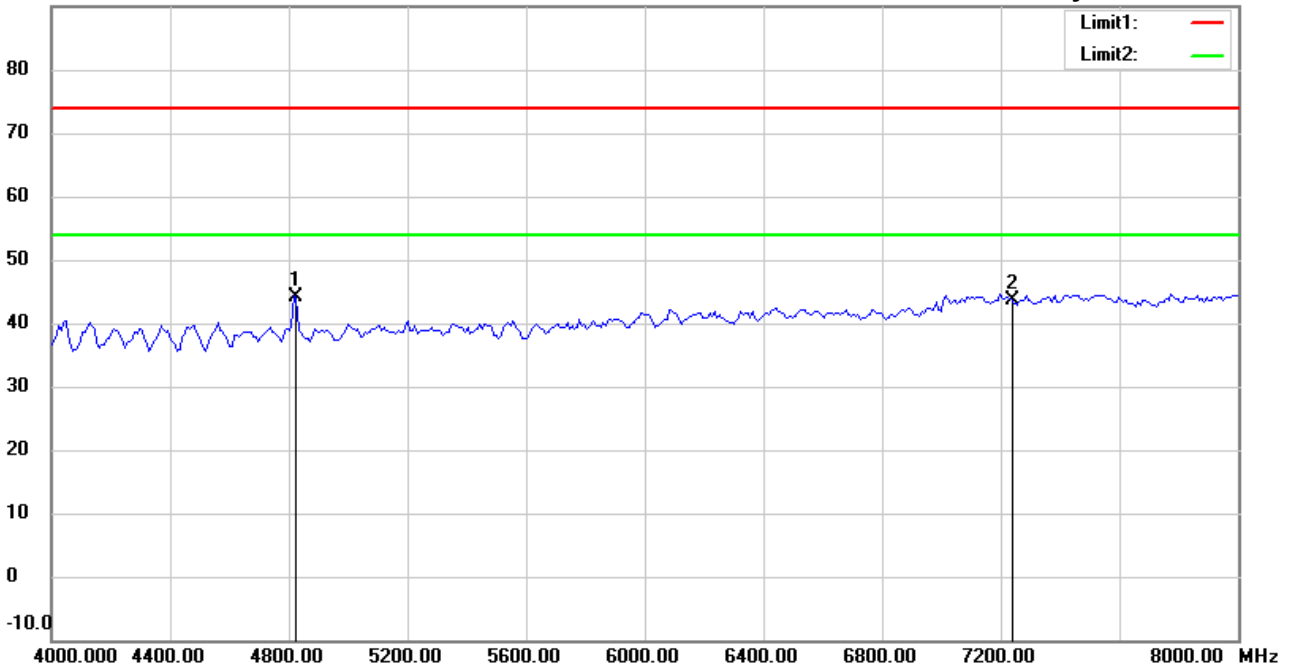
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:53:24 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4824.000	46.02	peak	-1.88	44.14	74.00	150	50	-29.86	
	7236.000	40.42	peak	3.28	43.70	74.00	150	220	-30.30	



Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

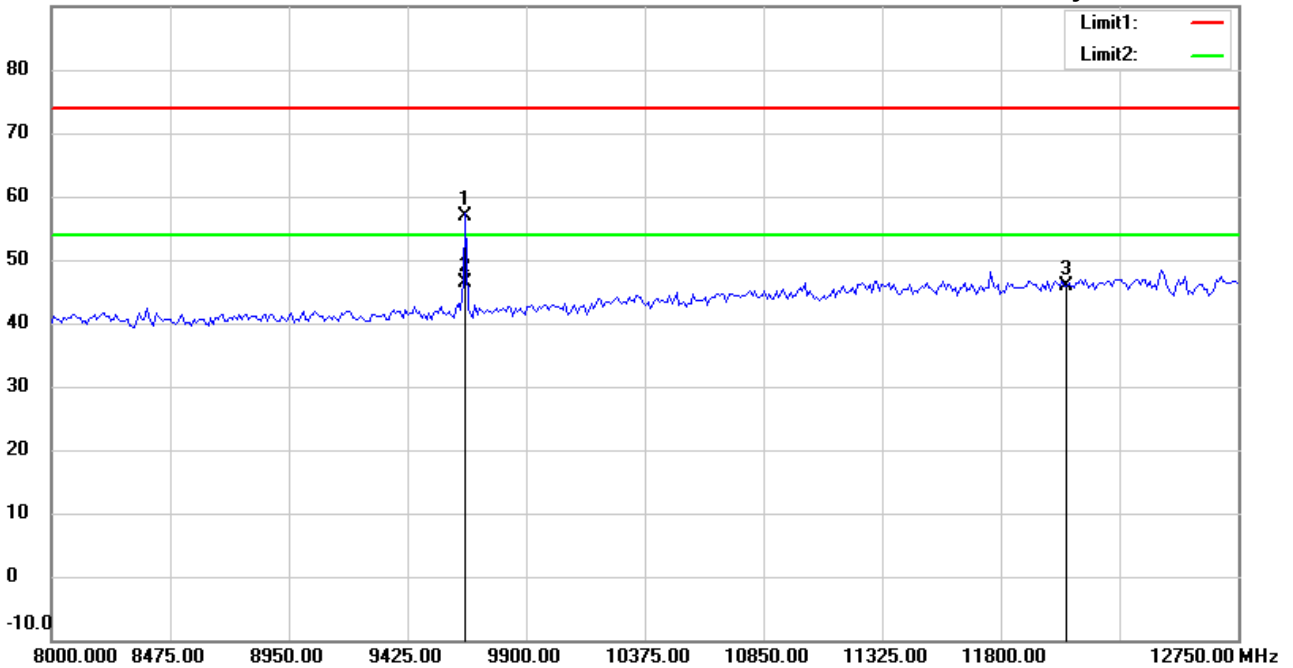
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:50:59 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.074	50.24	peak	6.60	56.84	74.00	150	164	-17.16	
*	9648.074	39.70	AVG	6.60	46.30	54.00	150	164	-7.70	
	12060.000	33.74	peak	12.21	45.95	74.00	150	165	-28.05	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

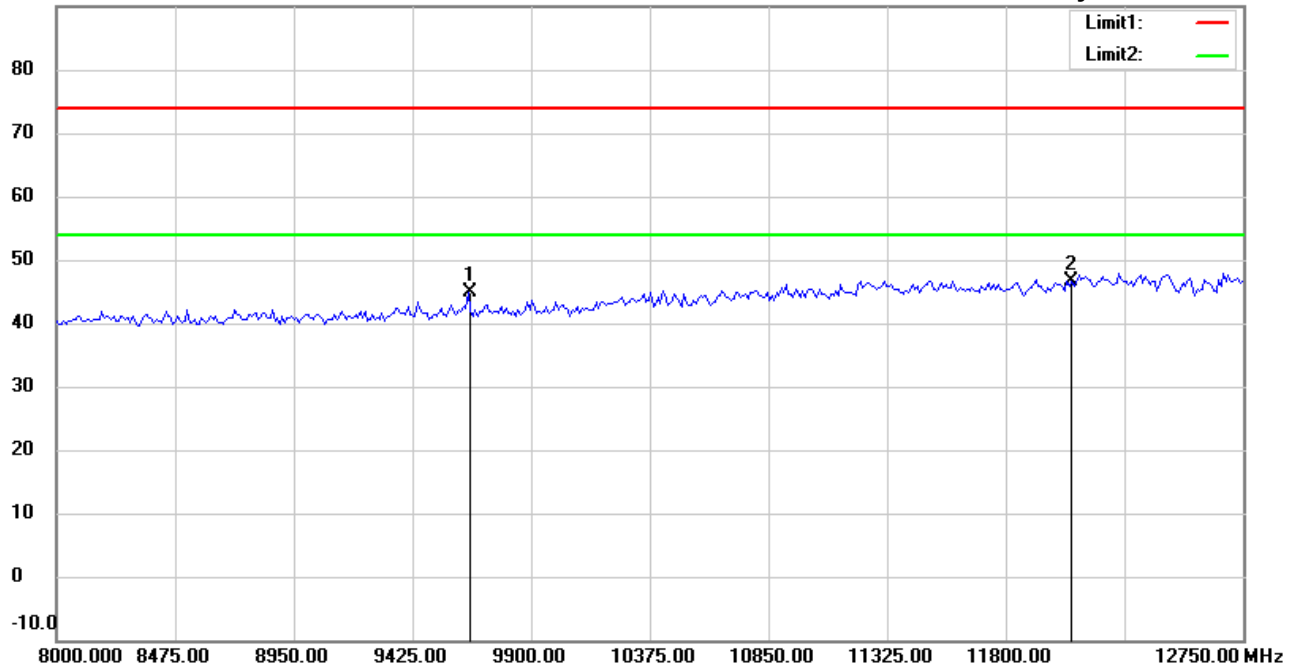
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:54:23 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9646.794	38.38	peak	6.60	44.98	74.00	150	230	-29.02	
*	12060.000	34.32	peak	12.21	46.53	74.00	150	60	-27.47	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

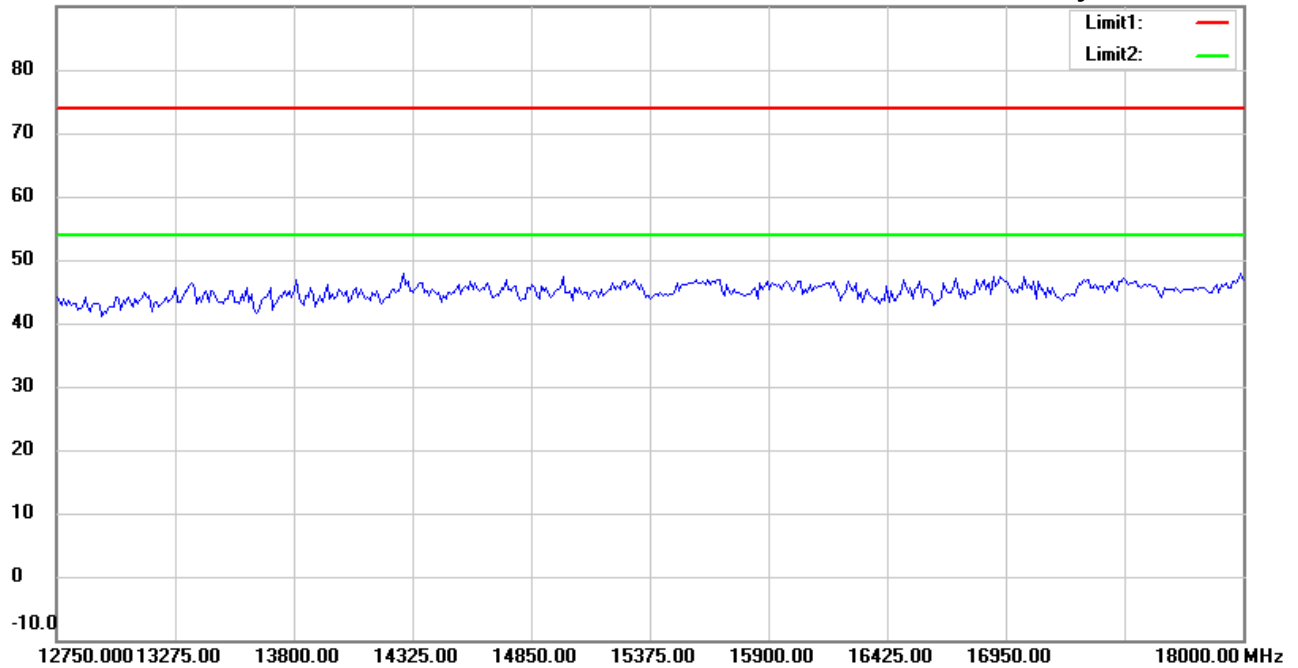
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:51:13 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

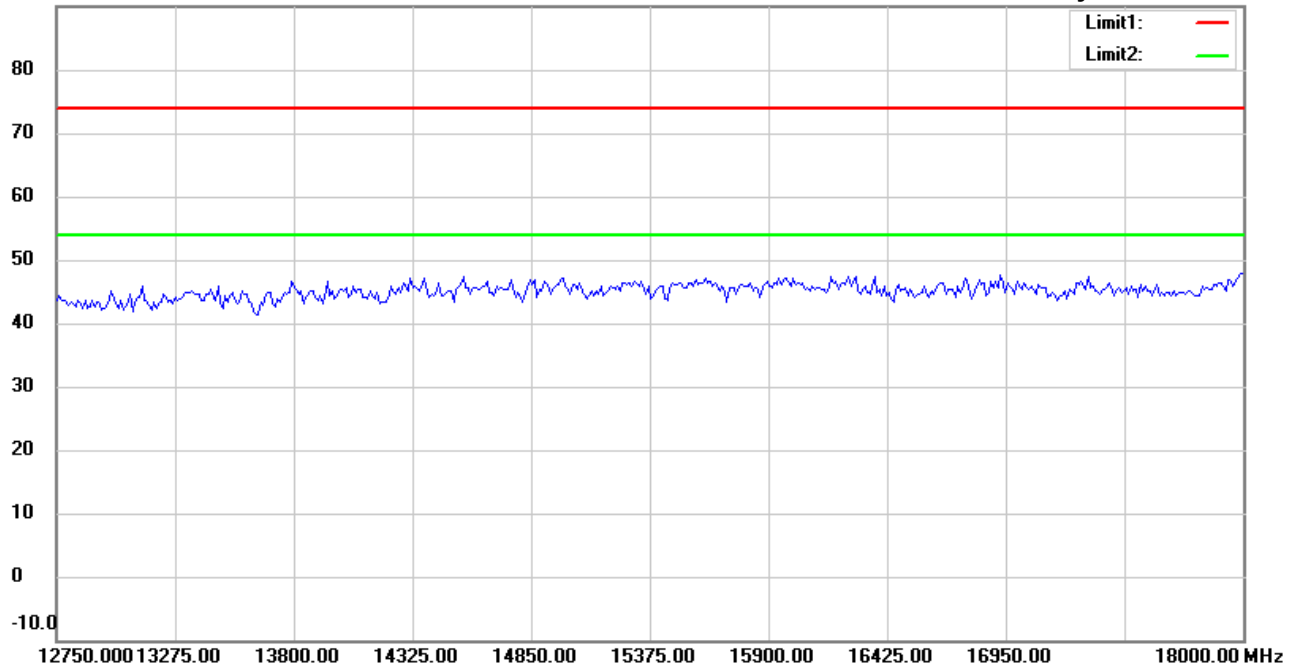
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:54:37 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

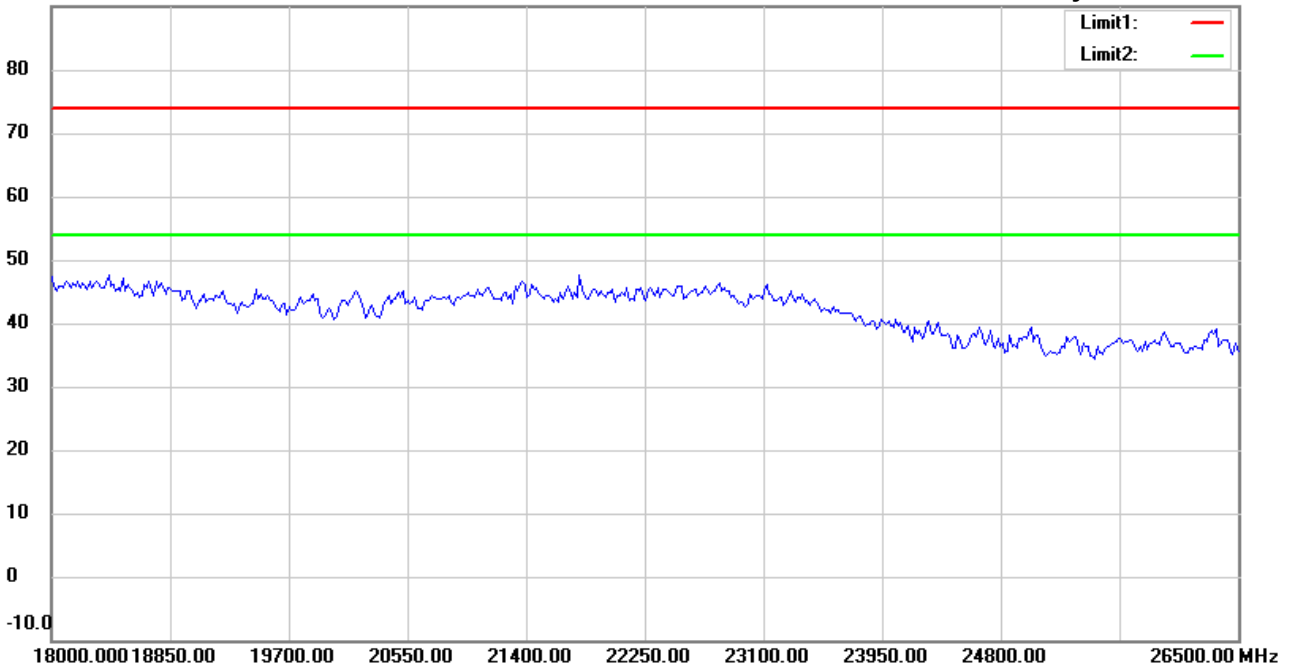
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:51:23 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

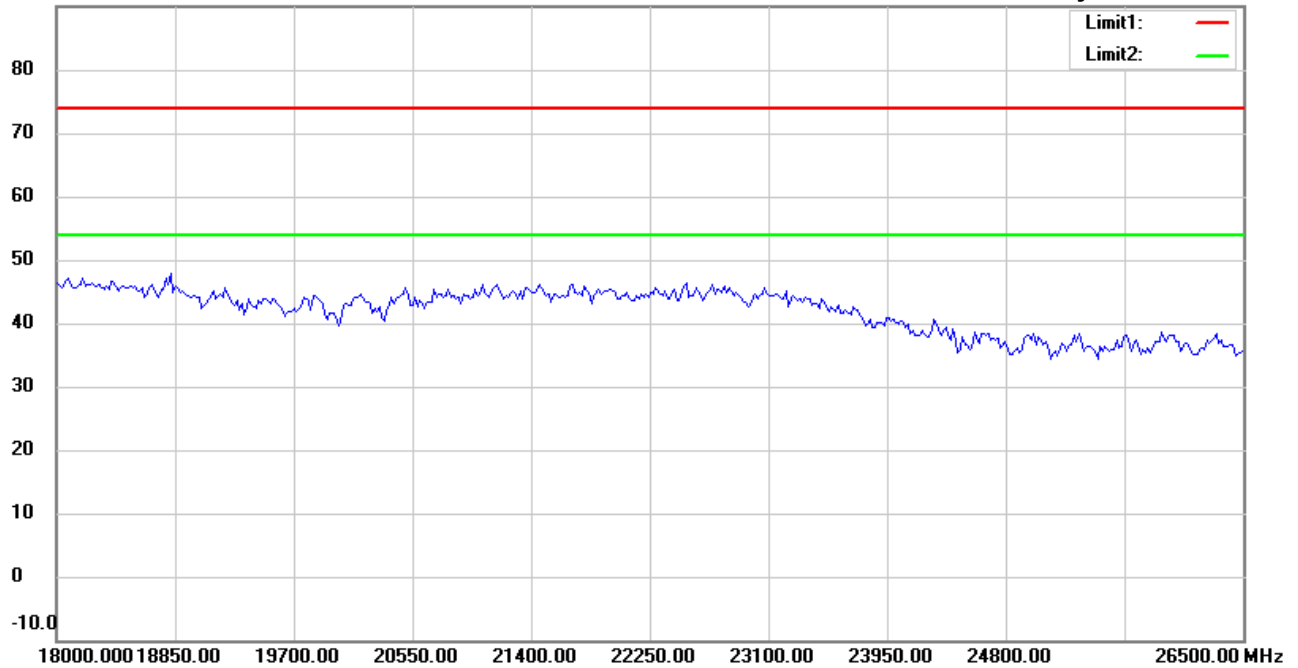
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 10:54:47 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

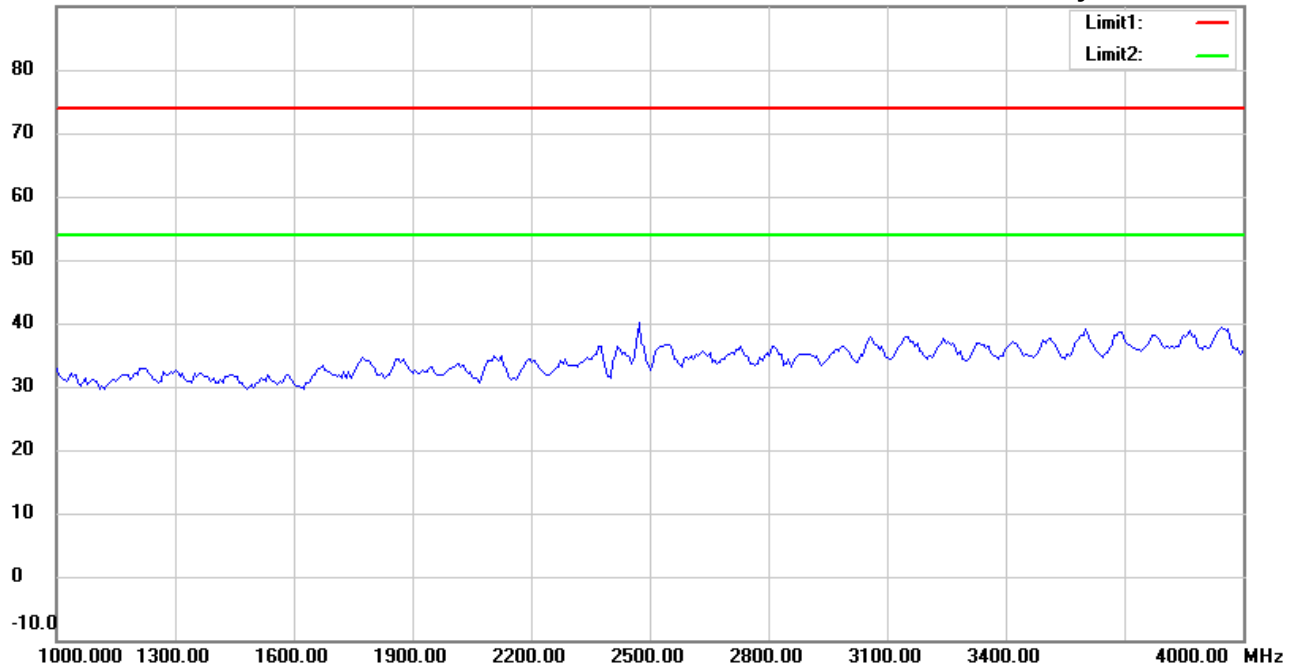
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:04:09 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

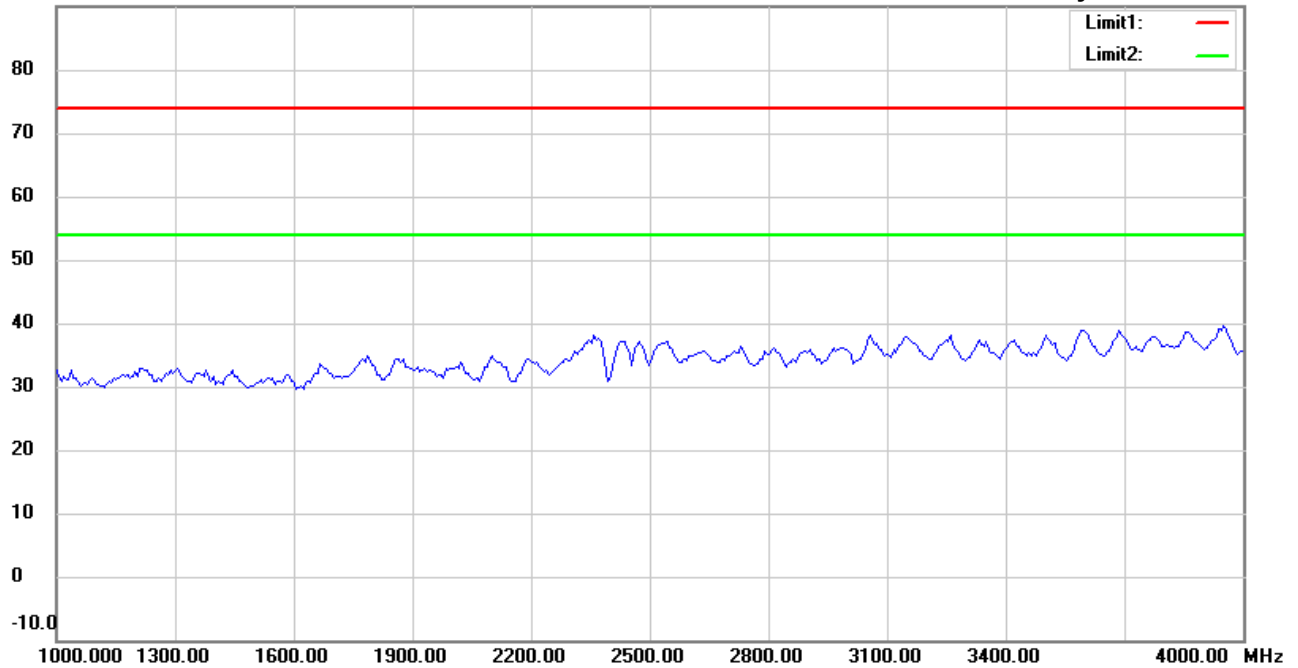
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:07:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

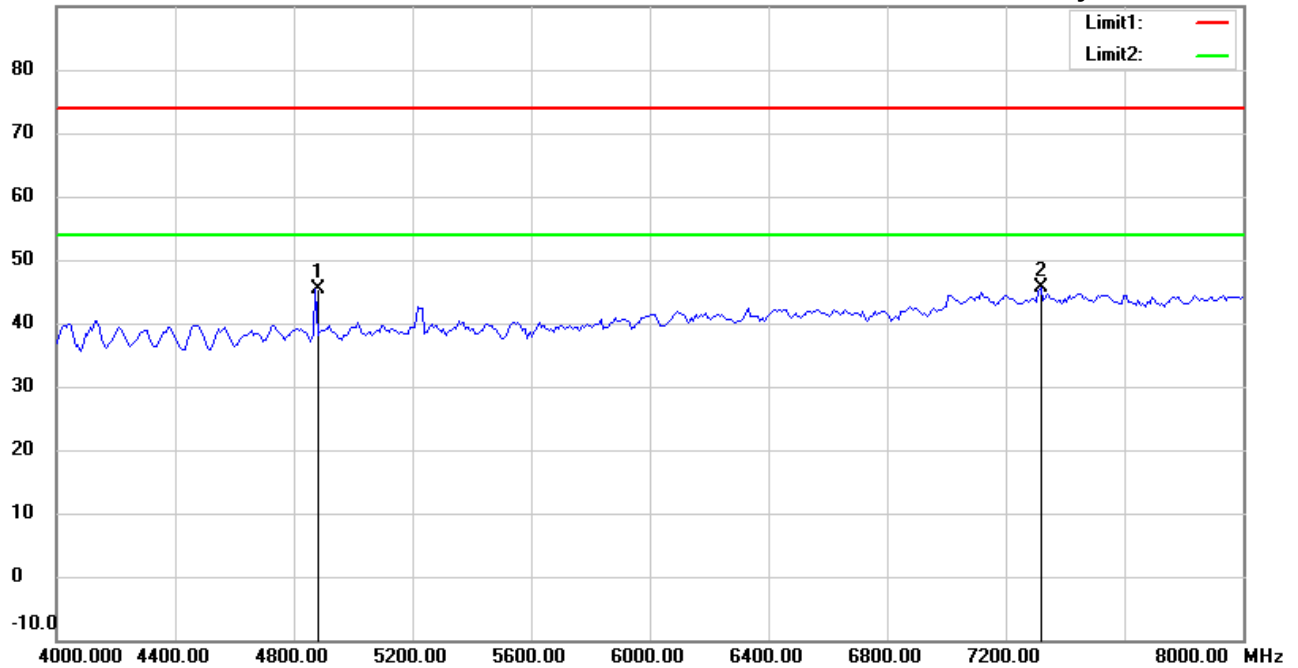
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:05:10 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4873.748	47.17	peak	-1.70	45.47	74.00	150	65	-28.53	
*	7311.000	42.13	peak	3.42	45.55	74.00	150	290	-28.45	

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



Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

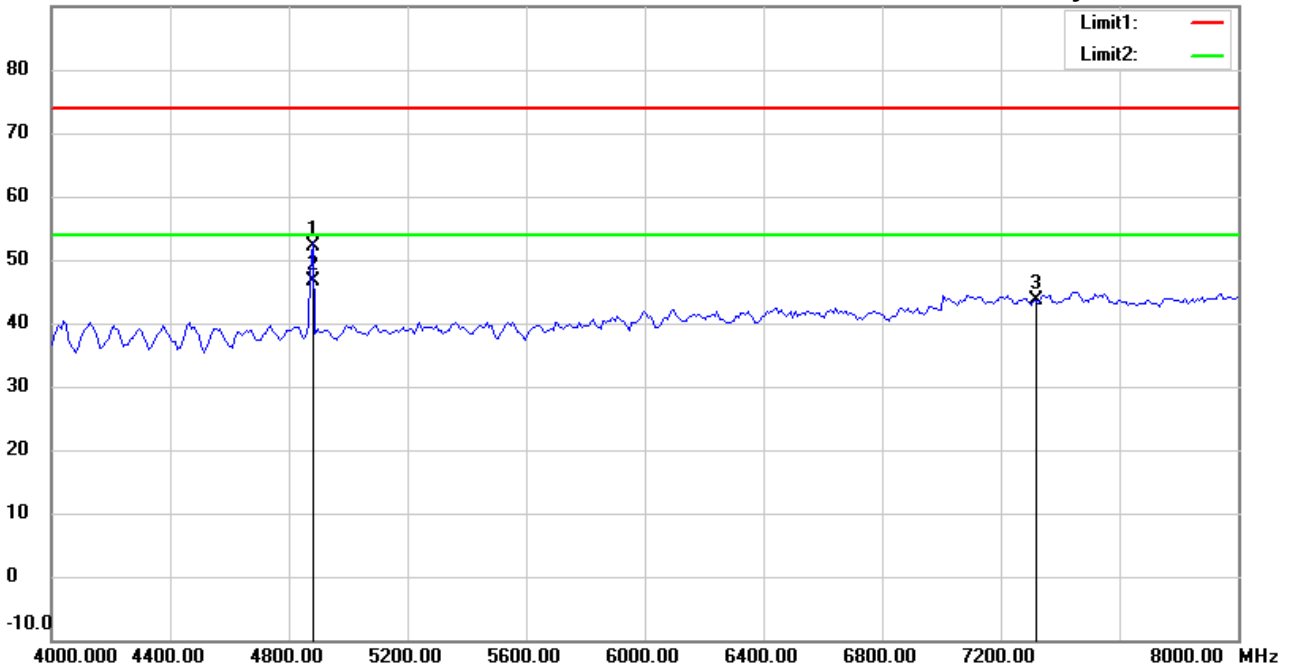
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:08:41 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.009	53.81	peak	-1.70	52.11	74.00	150	131	-21.89	
*	4874.009	48.37	AVG	-1.70	46.67	54.00	150	131	-7.33	
	7311.000	40.13	peak	3.42	43.55	74.00	150	180	-30.45	



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

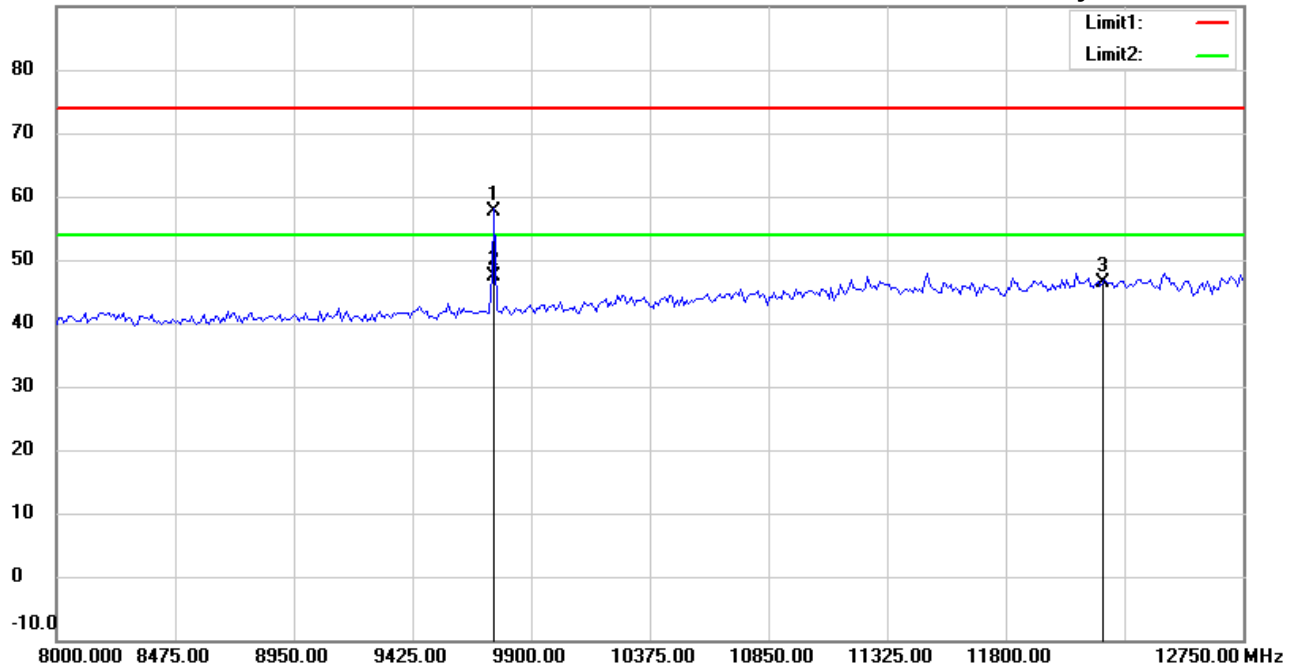
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:06:16 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9747.982	50.82	peak	6.75	57.57	74.00	150	160	-16.43	
*	9747.982	40.56	AVG	6.75	47.31	54.00	150	160	-6.69	
	12185.000	33.55	peak	12.83	46.38	74.00	150	190	-27.62	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

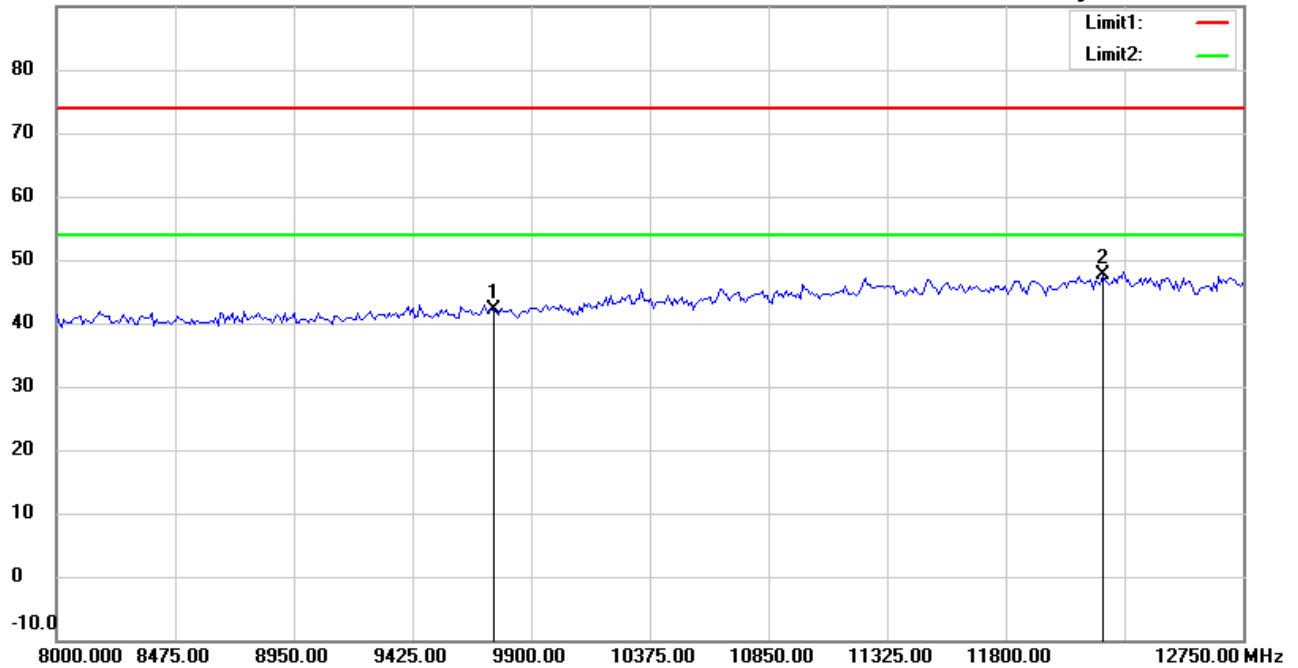
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:09:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	35.33	peak	6.75	42.08	74.00	150	220	-31.92	
*	12185.000	34.84	peak	12.83	47.67	74.00	150	315	-26.33	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

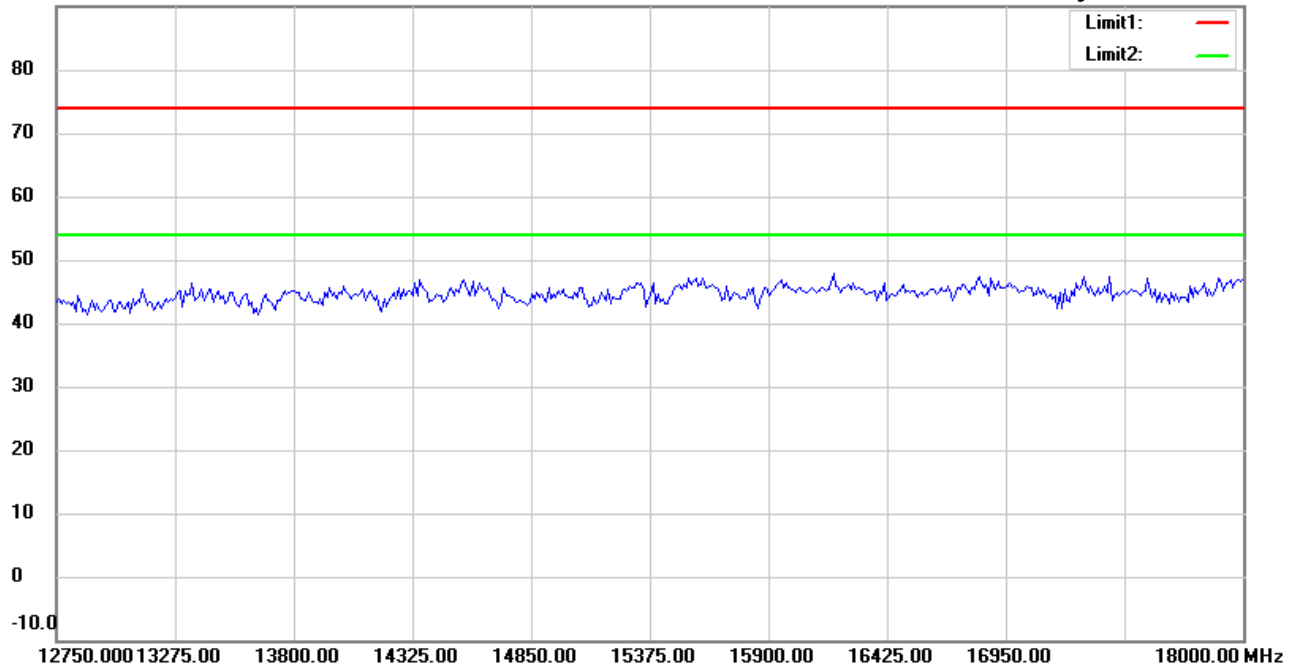
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:06:30 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

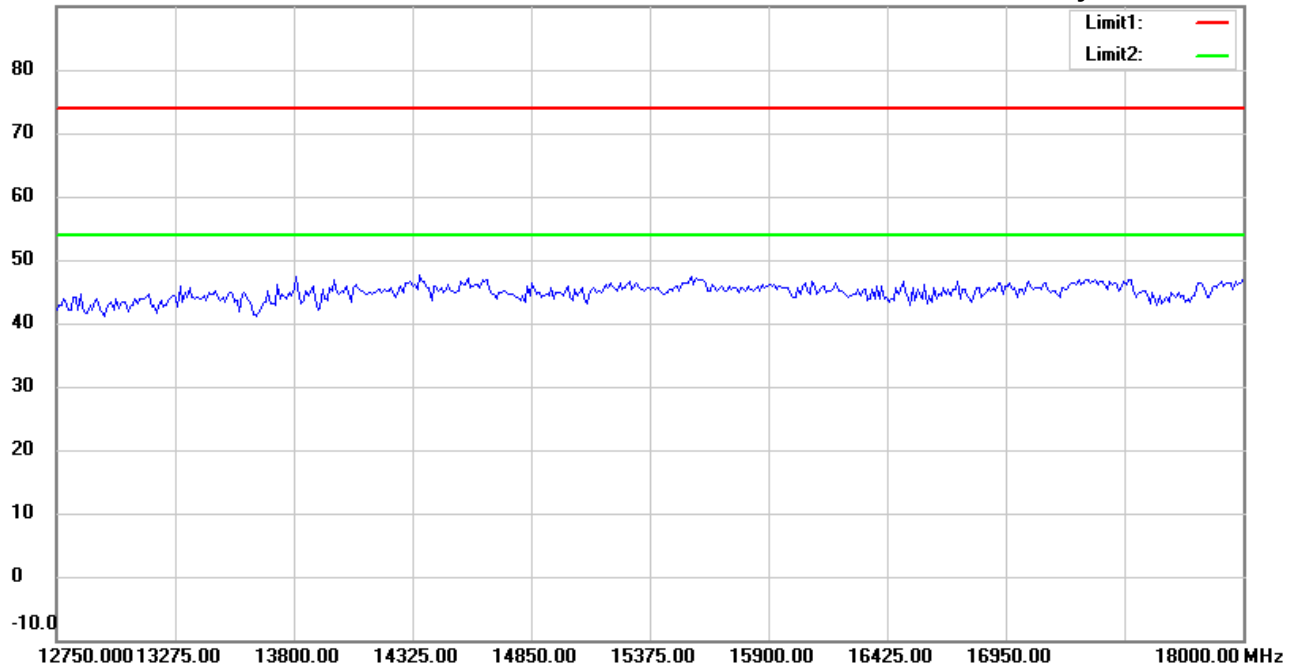
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:09:54 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

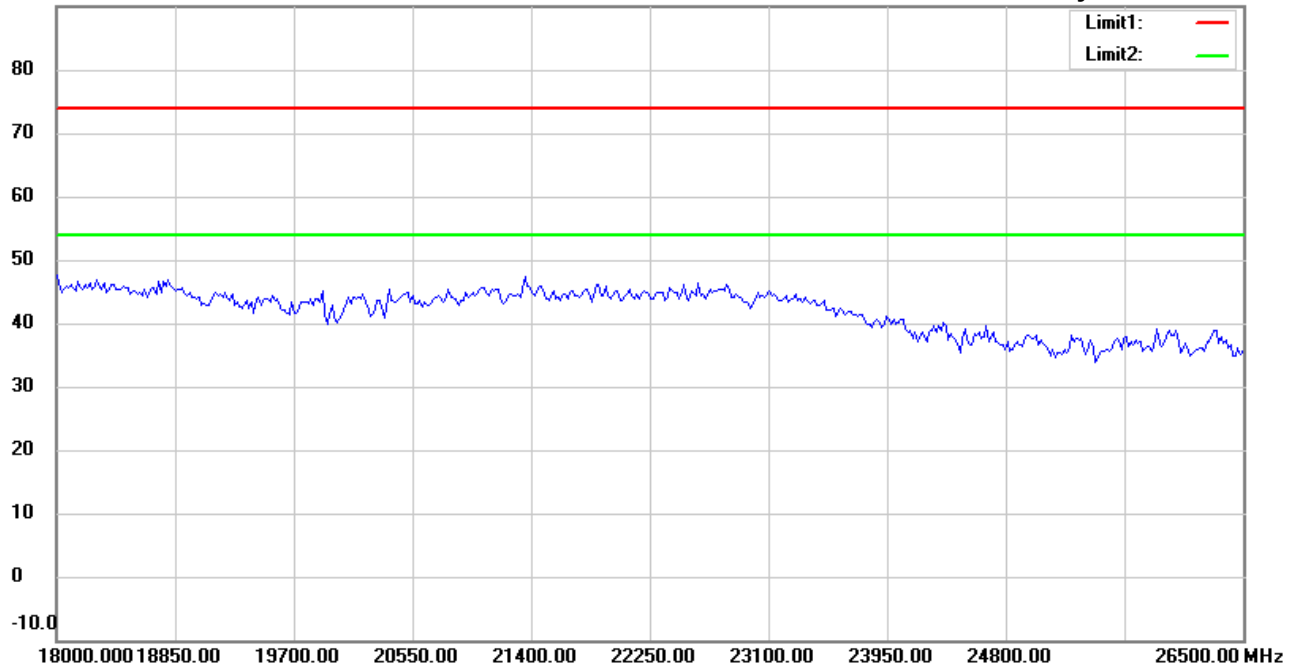
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:06:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

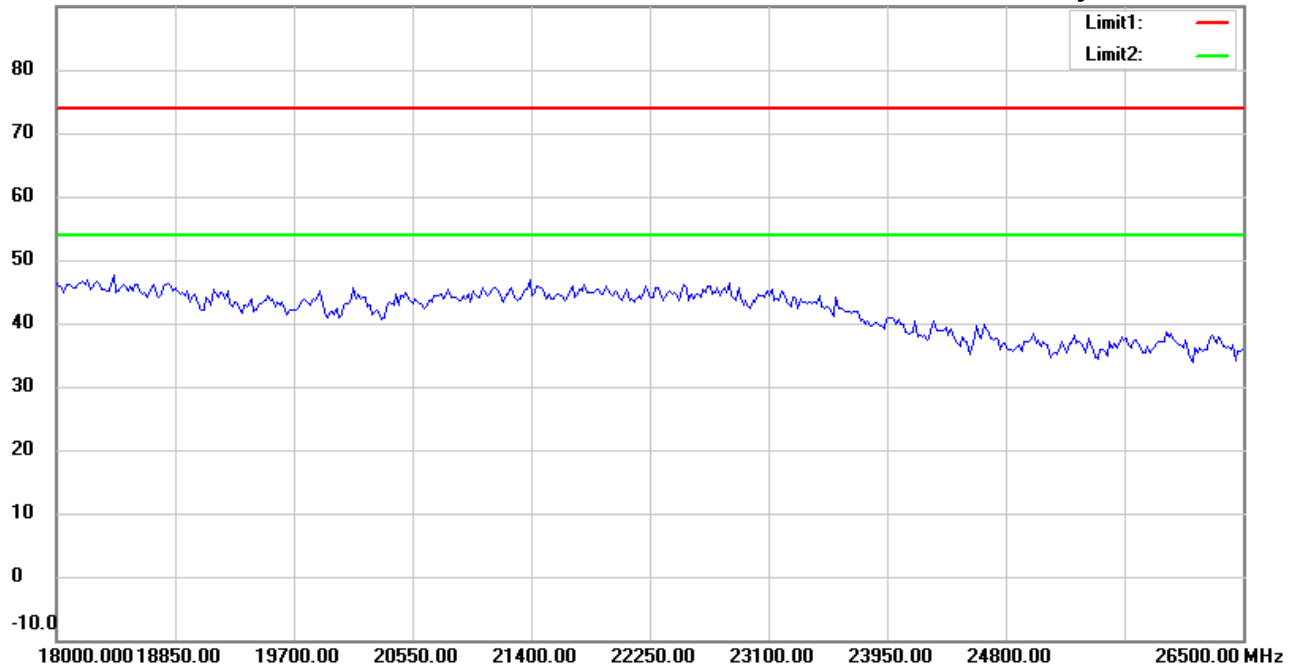
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:10:04 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

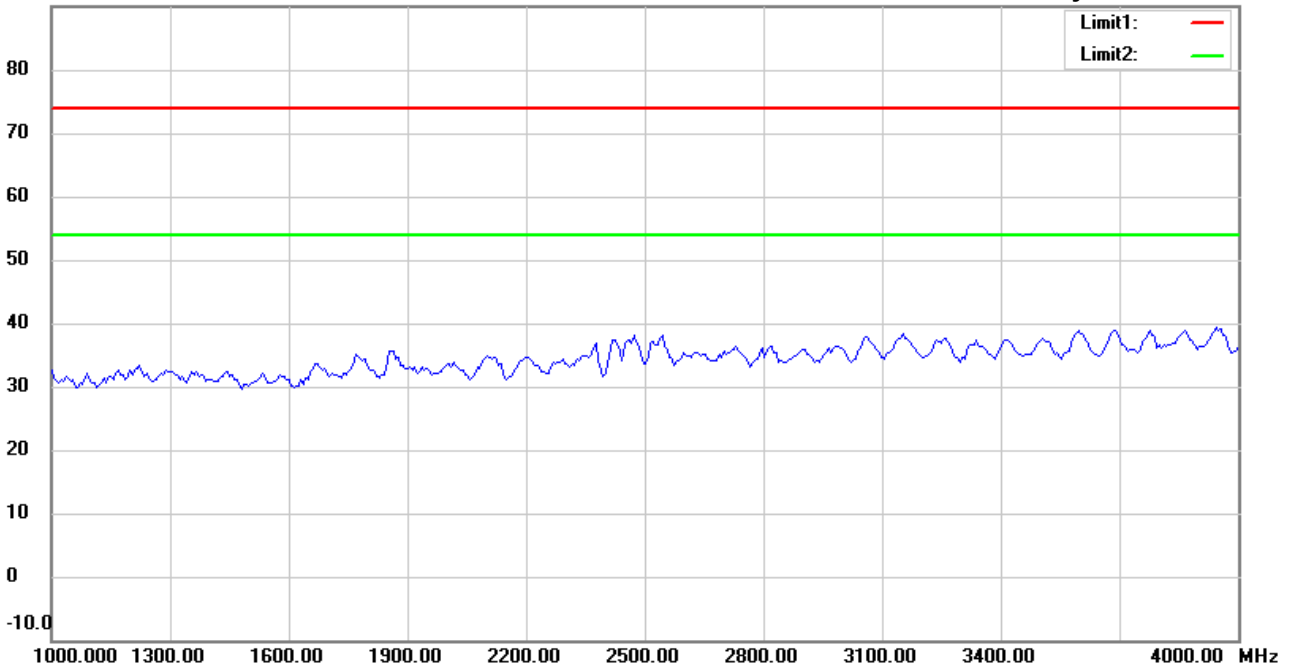
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:17:50 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

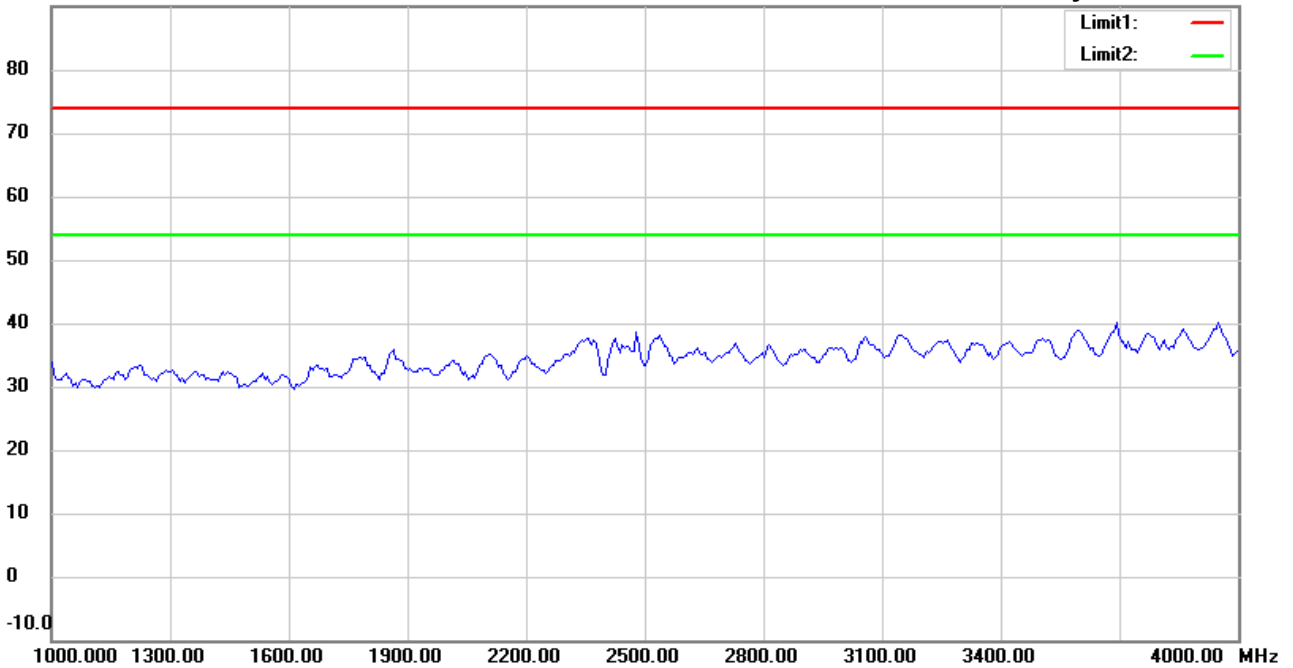
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:21:20 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

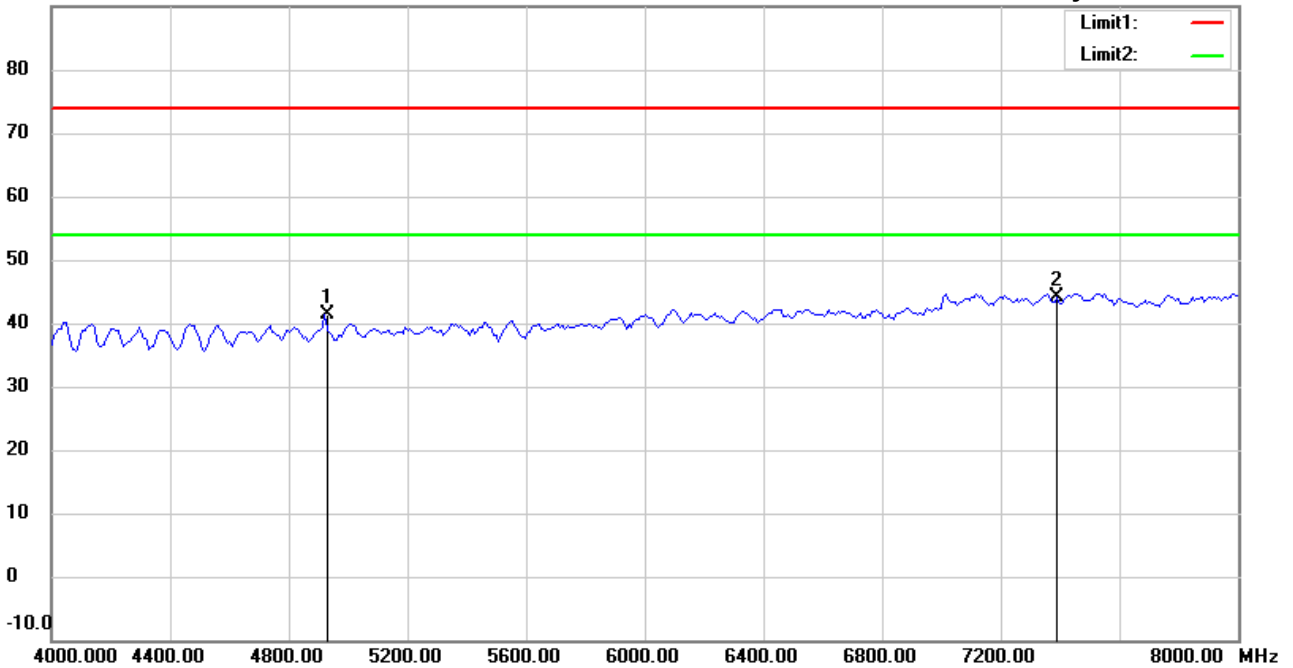
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:18:50 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4921.844	42.88	peak	-1.52	41.36	74.00	150	135	-32.64	
*	7386.000	40.50	peak	3.72	44.22	74.00	150	260	-29.78	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

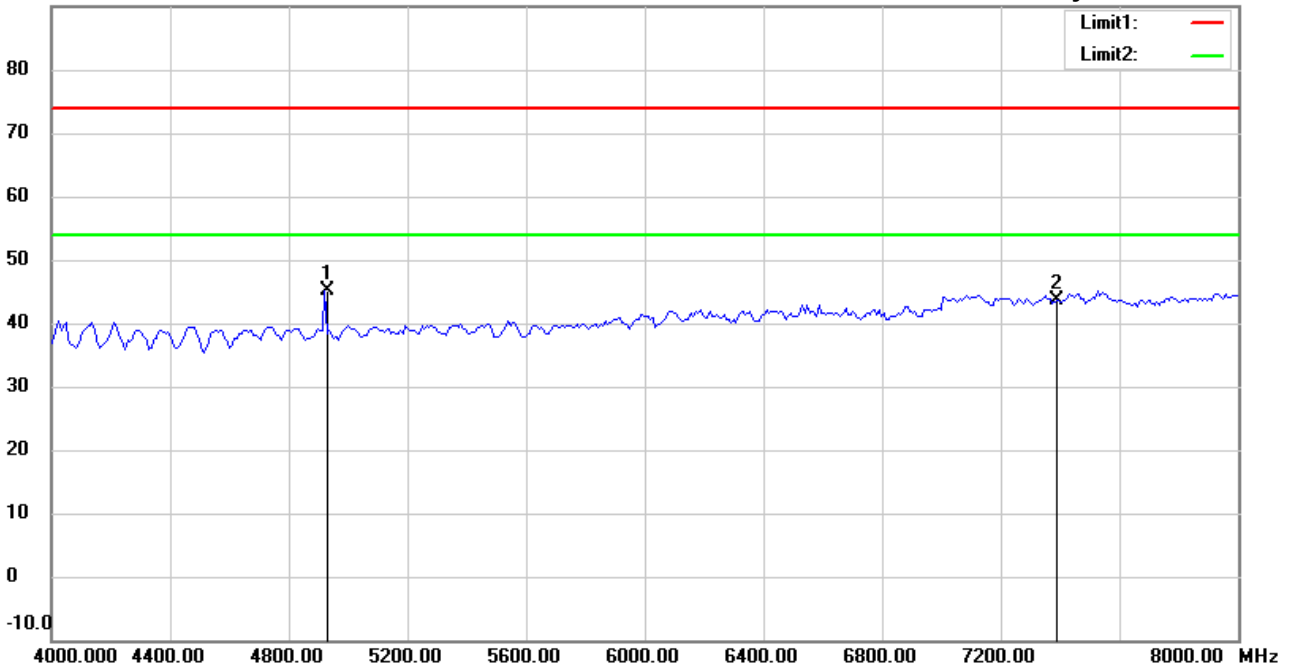
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:22:21 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4921.844	46.69	peak	-1.52	45.17	74.00	150	290	-28.83	
	7386.000	39.89	peak	3.72	43.61	74.00	150	110	-30.39	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

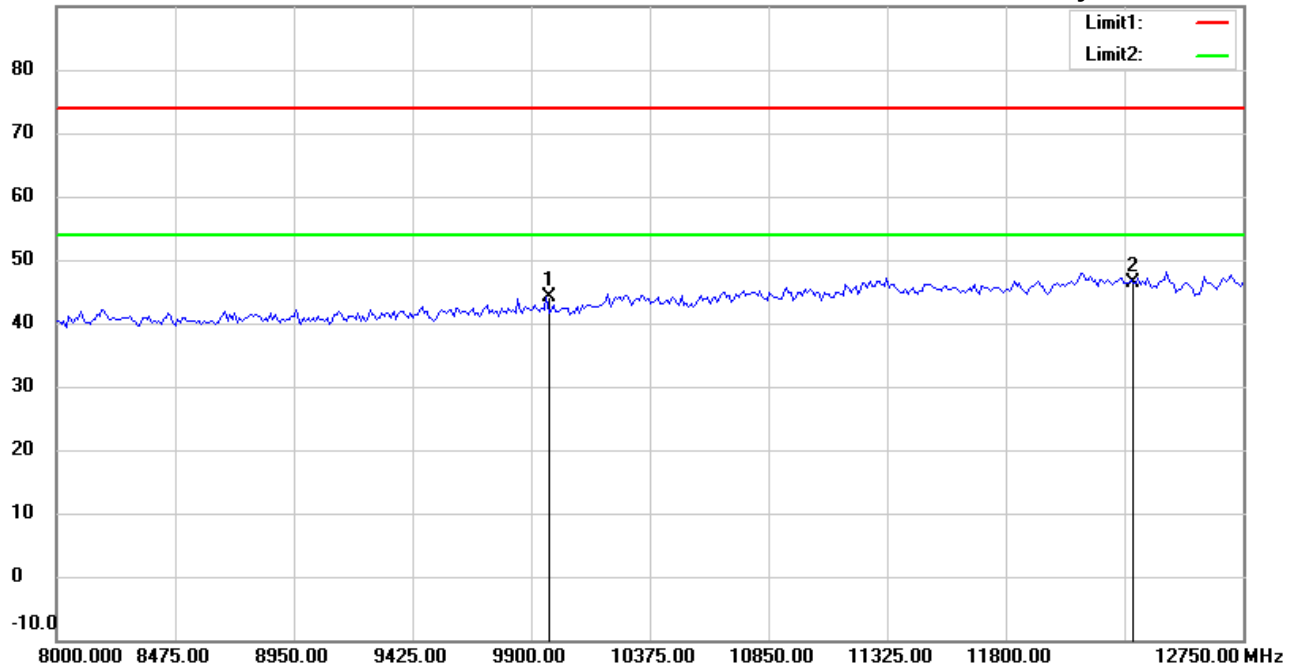
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:19:57 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9960.922	36.99	peak	7.25	44.24	74.00	150	215	-29.76	
*	12310.000	34.29	peak	12.18	46.47	74.00	150	40	-27.53	

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



Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

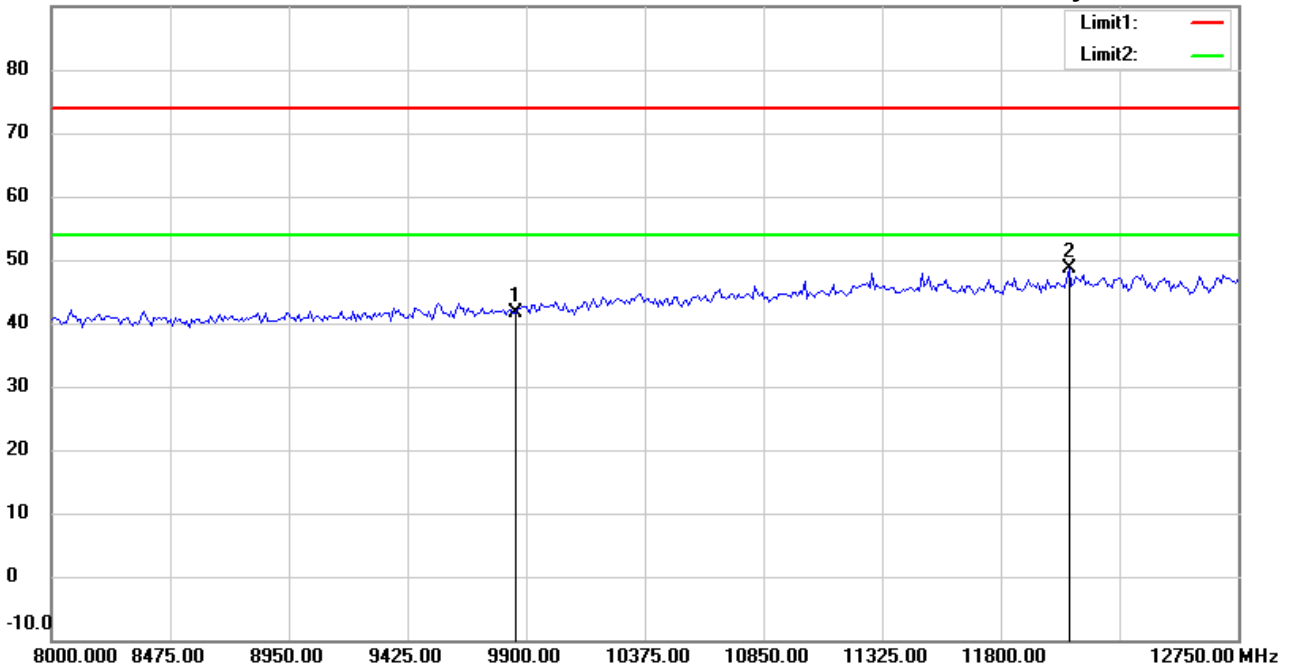
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:23:21 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	34.69	peak	6.96	41.65	74.00	150	60	-32.35	
*	12074.148	36.20	peak	12.38	48.58	74.00	150	230	-25.42	



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

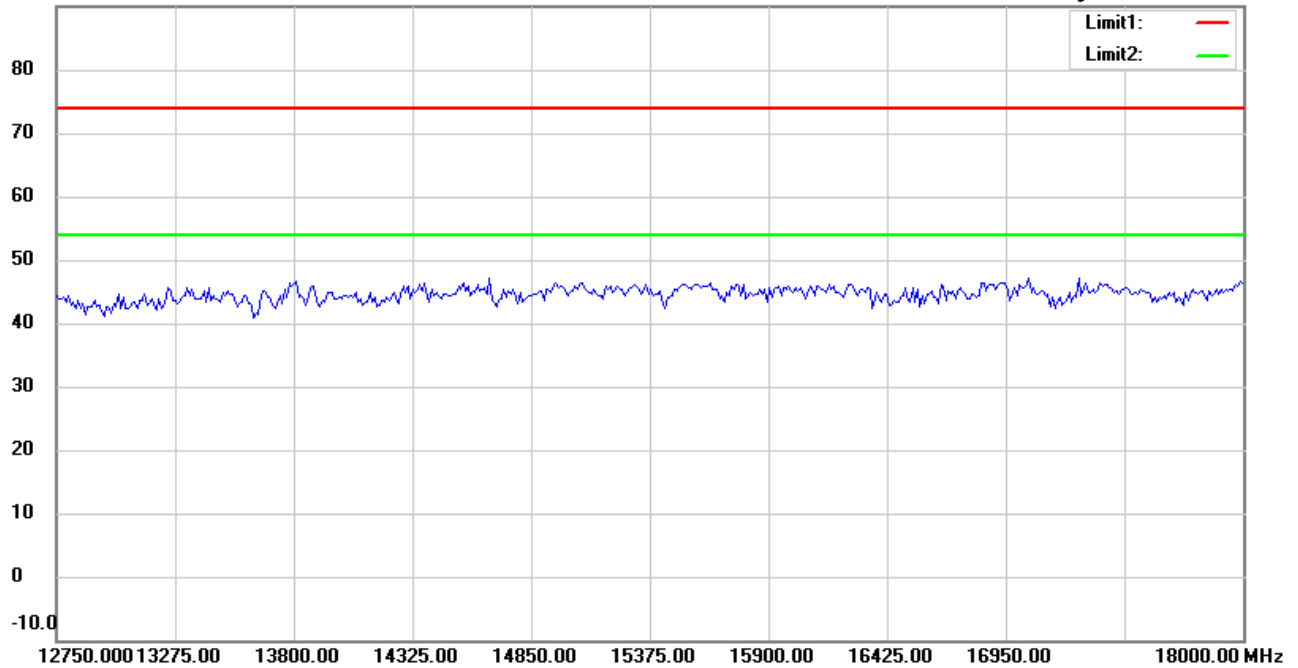
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:20:11 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

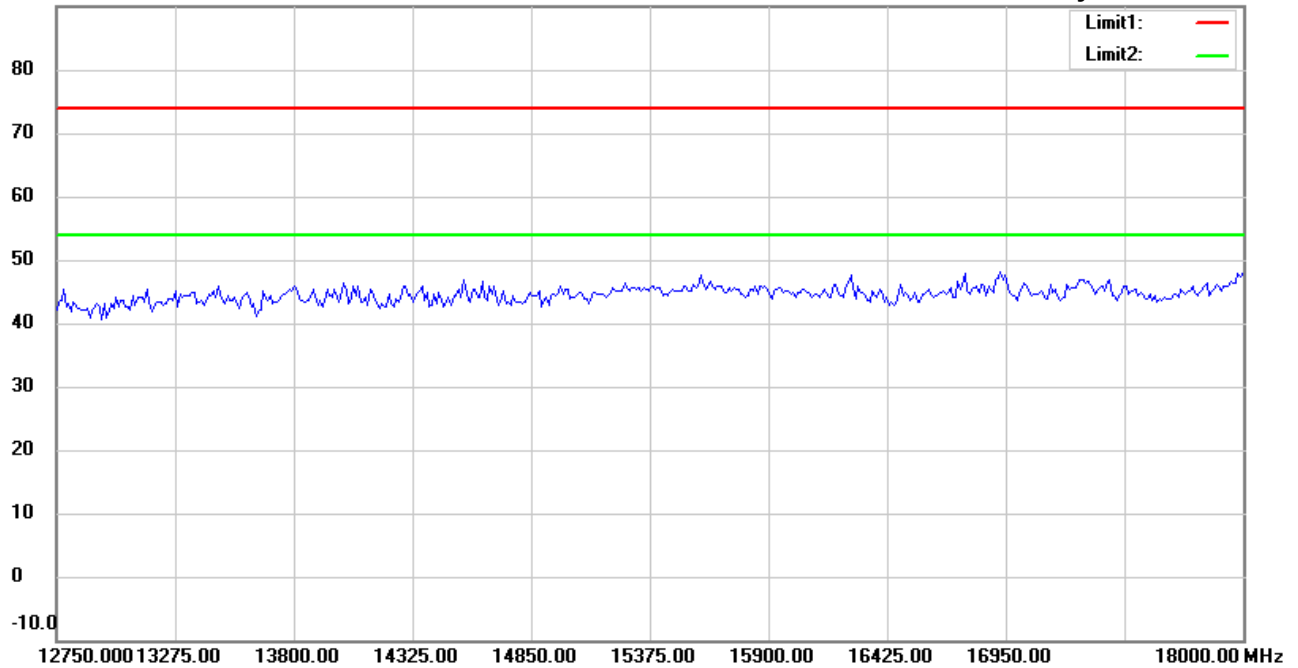
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:23:35 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

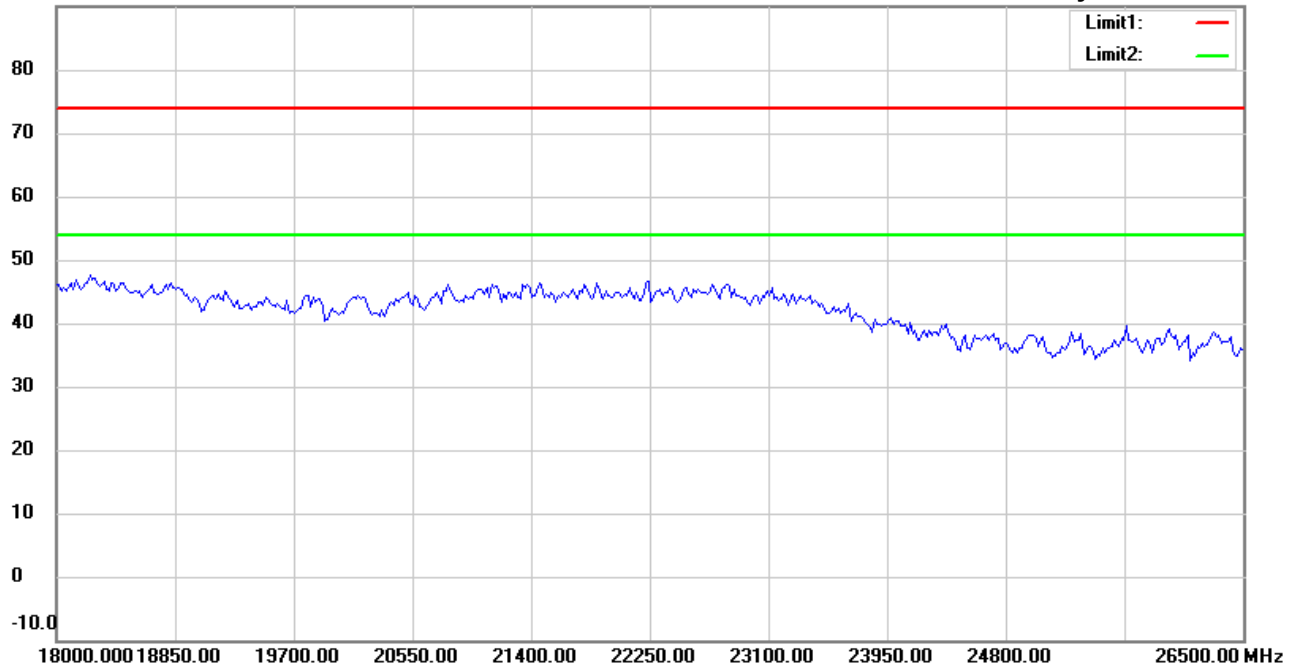
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:20:20 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

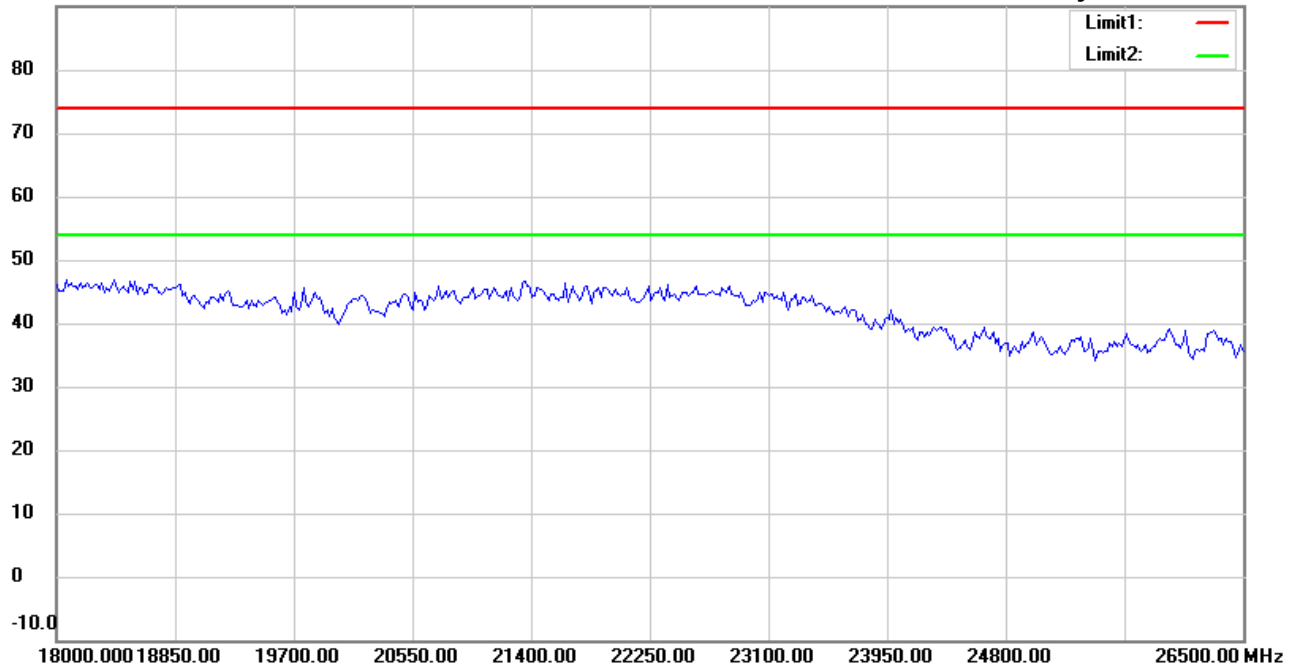
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:23:44 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

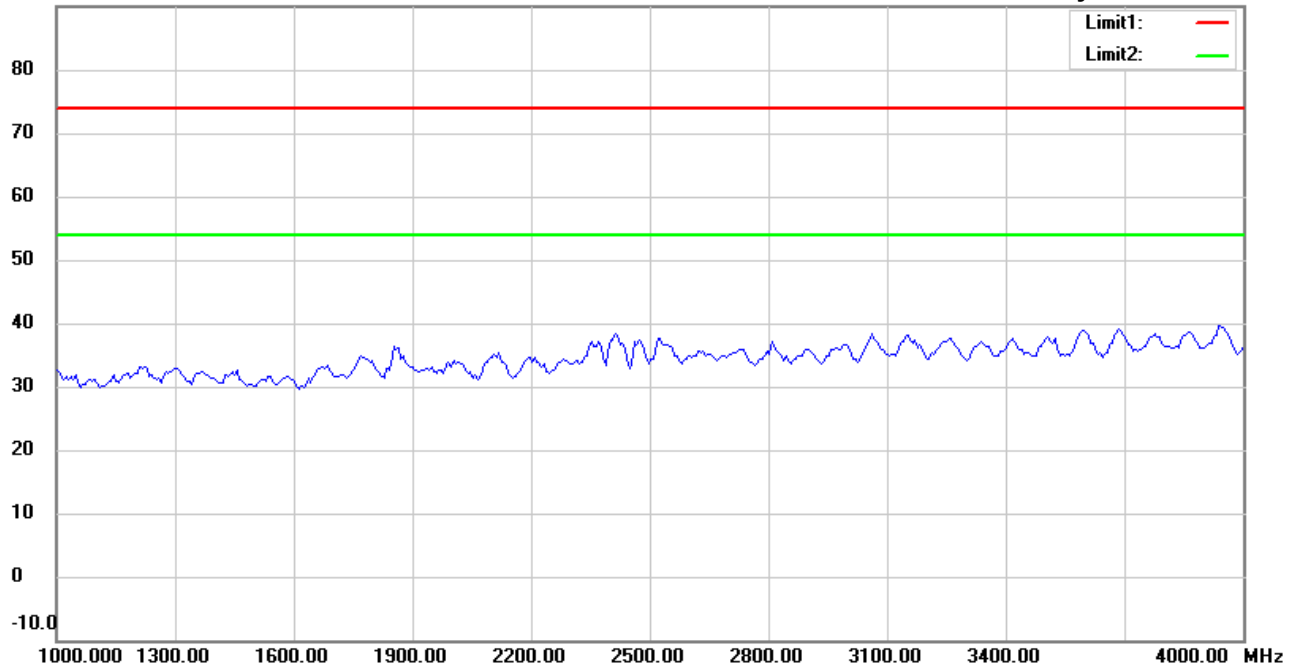
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:29:10 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

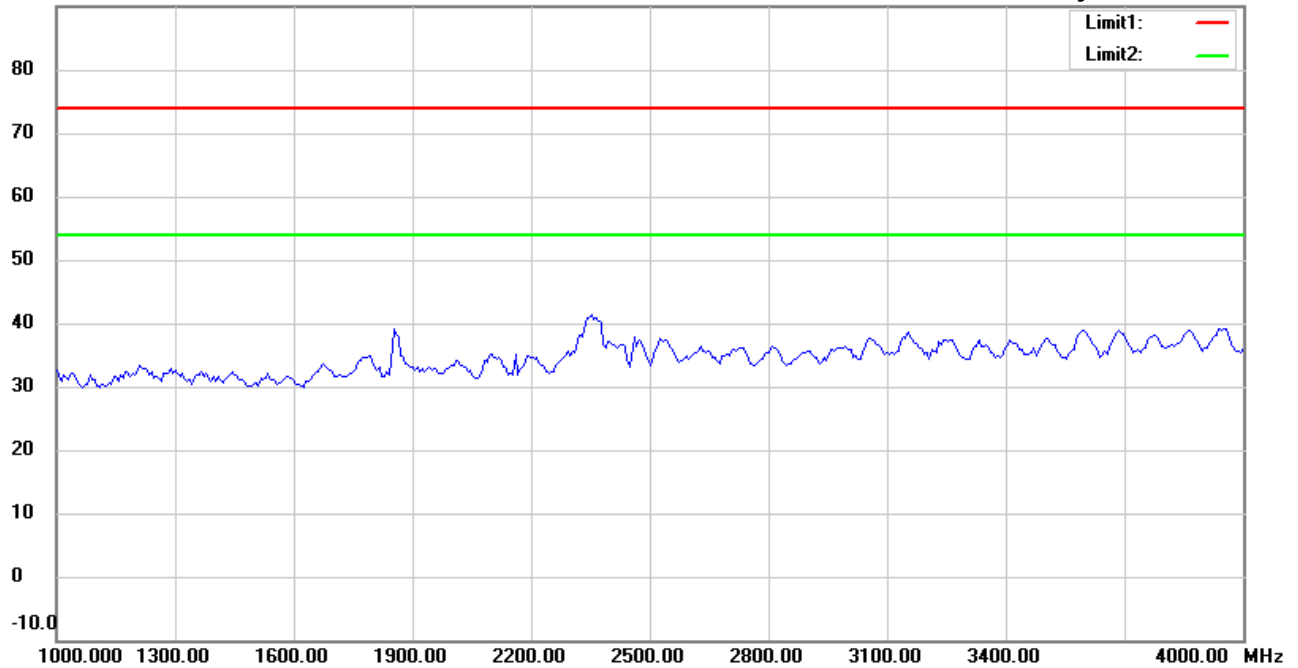
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:32:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

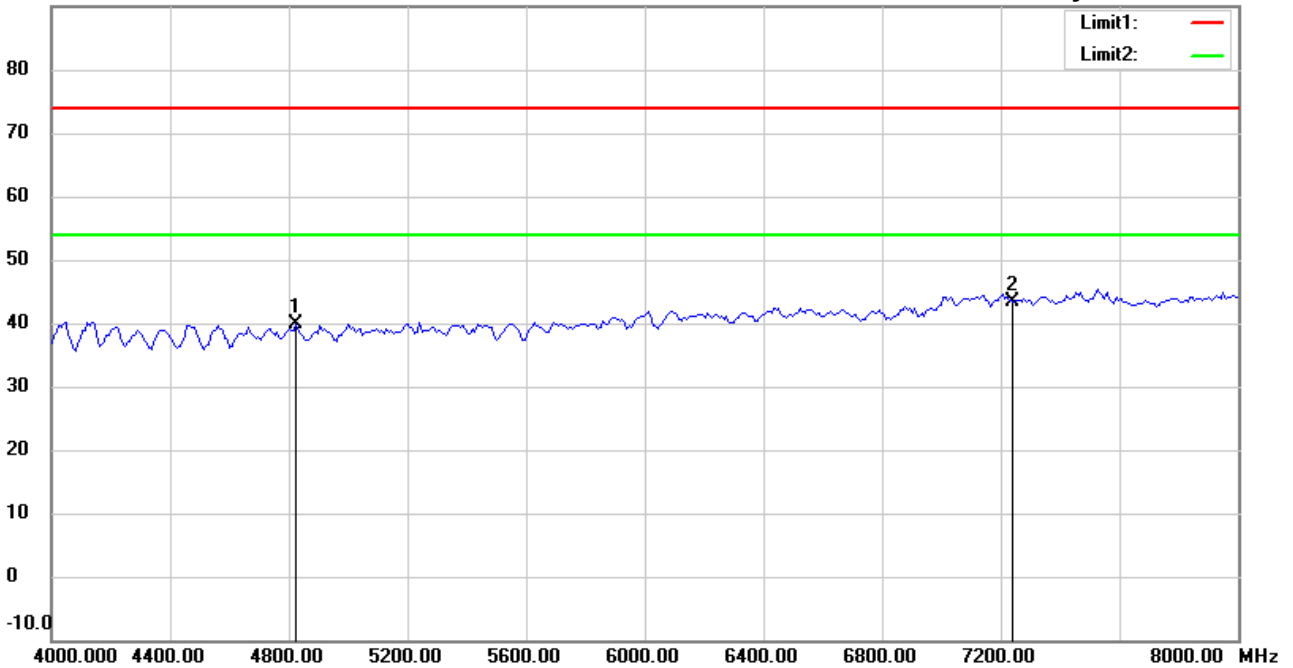
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:30:10 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	41.84	peak	-1.88	39.96	74.00	150	40	-34.04	
*	7236.000	40.11	peak	3.28	43.39	74.00	150	180	-30.61	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

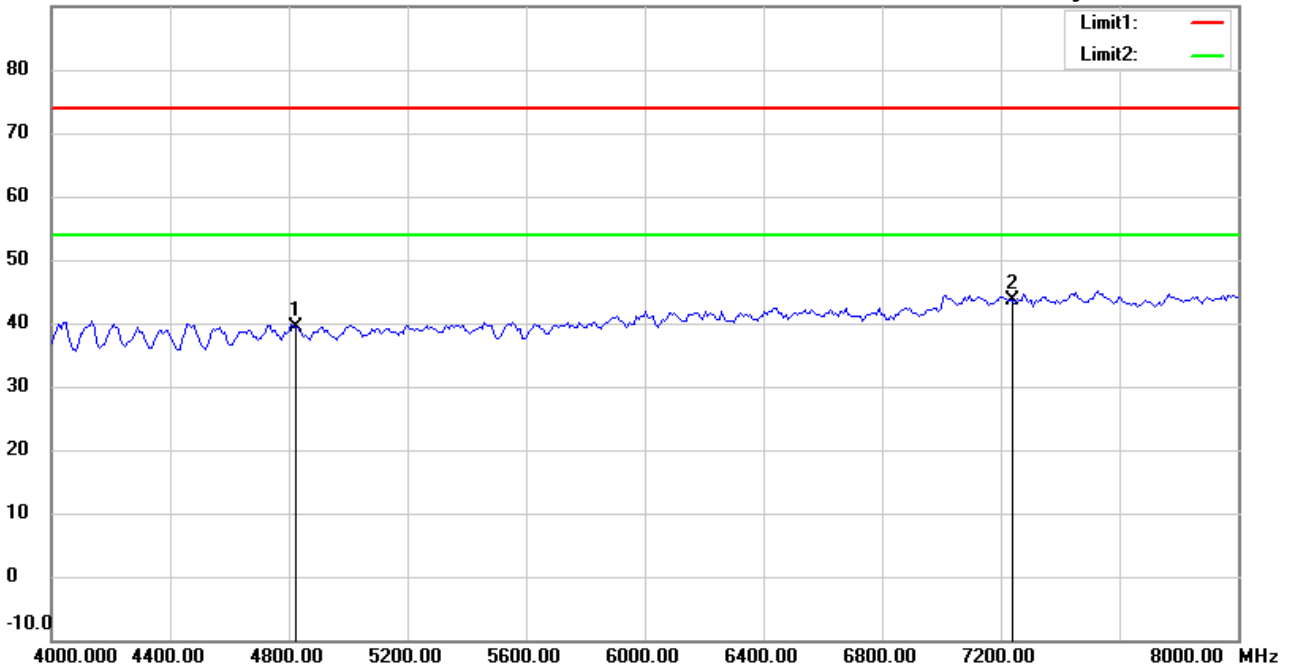
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:33:41 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	41.35	peak	-1.88	39.47	74.00	150	265	-34.53	
*	7236.000	40.24	peak	3.28	43.52	74.00	150	220	-30.48	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

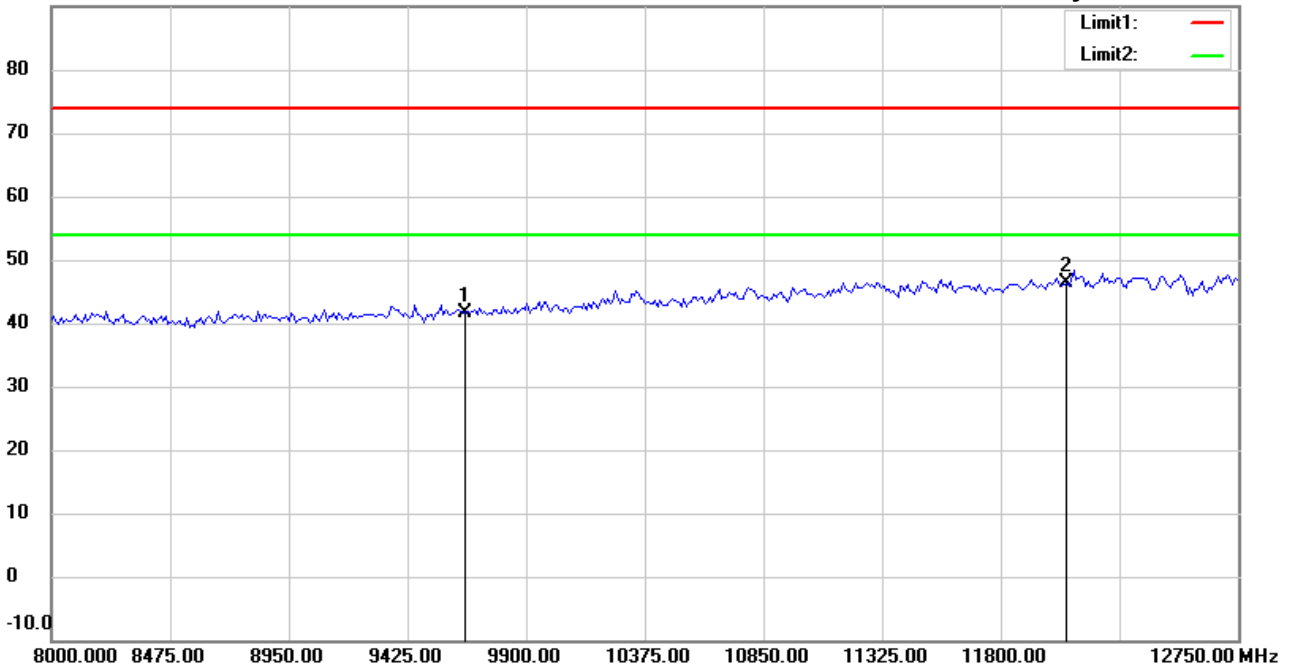
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:31:17 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	34.98	peak	6.60	41.58	74.00	150	280	-32.42	
*	12060.000	34.21	peak	12.21	46.42	74.00	150	135	-27.58	

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



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

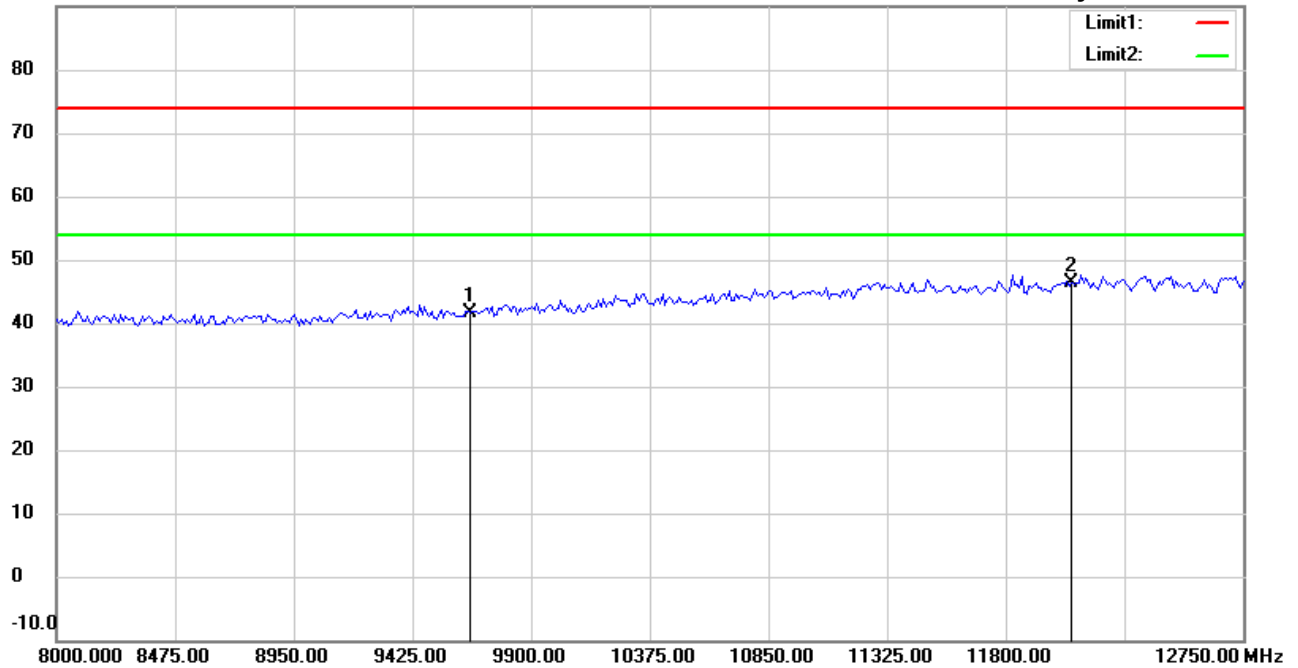
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:34:41 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	35.07	peak	6.60	41.67	74.00	150	40	-32.33	
*	12060.000	34.20	peak	12.21	46.41	74.00	150	215	-27.59	

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



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

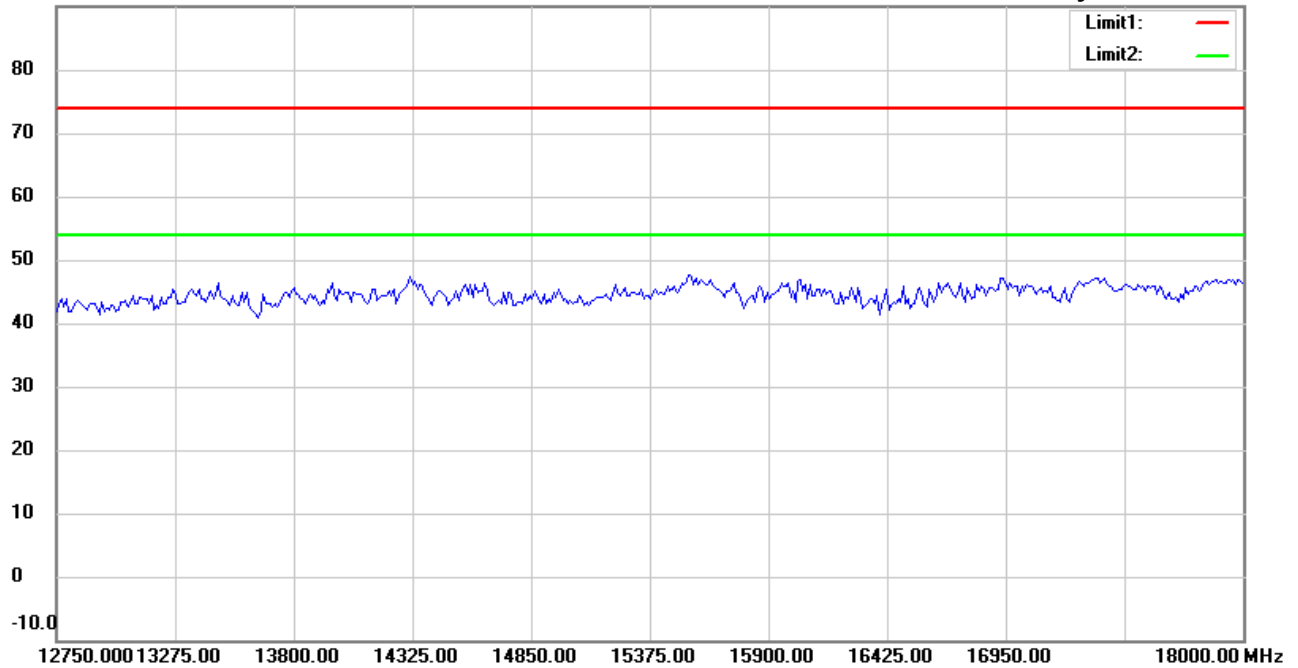
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:31:30 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

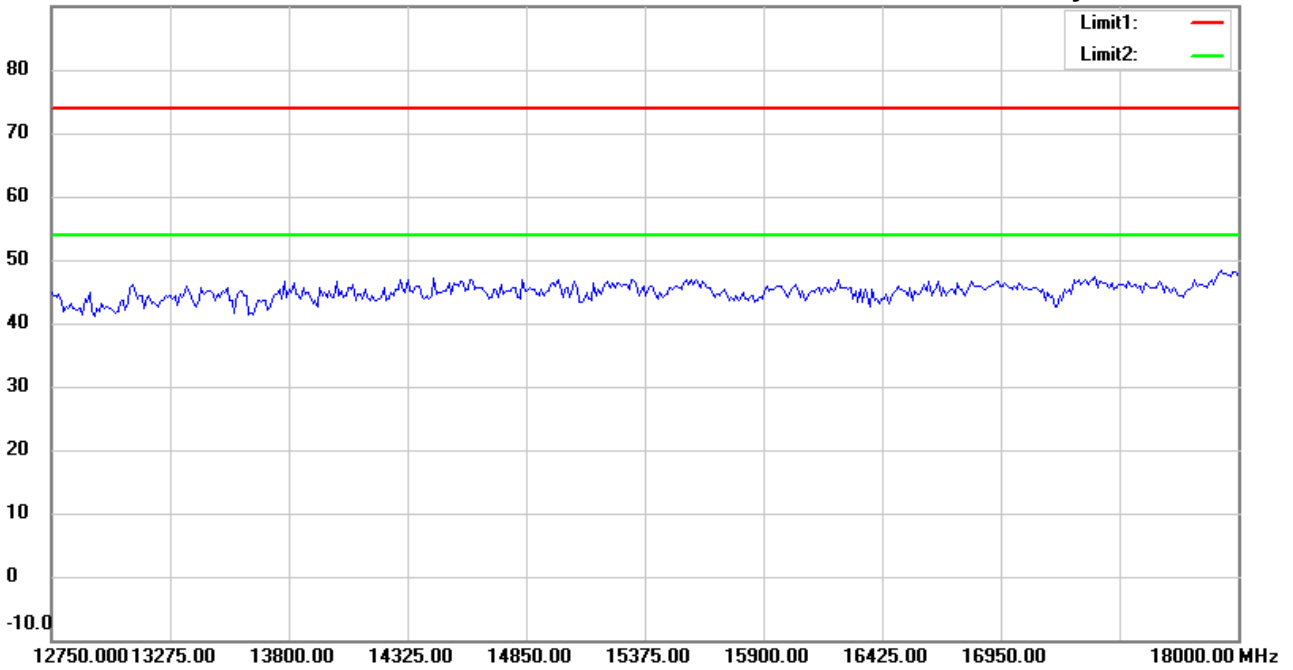
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:34:54 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

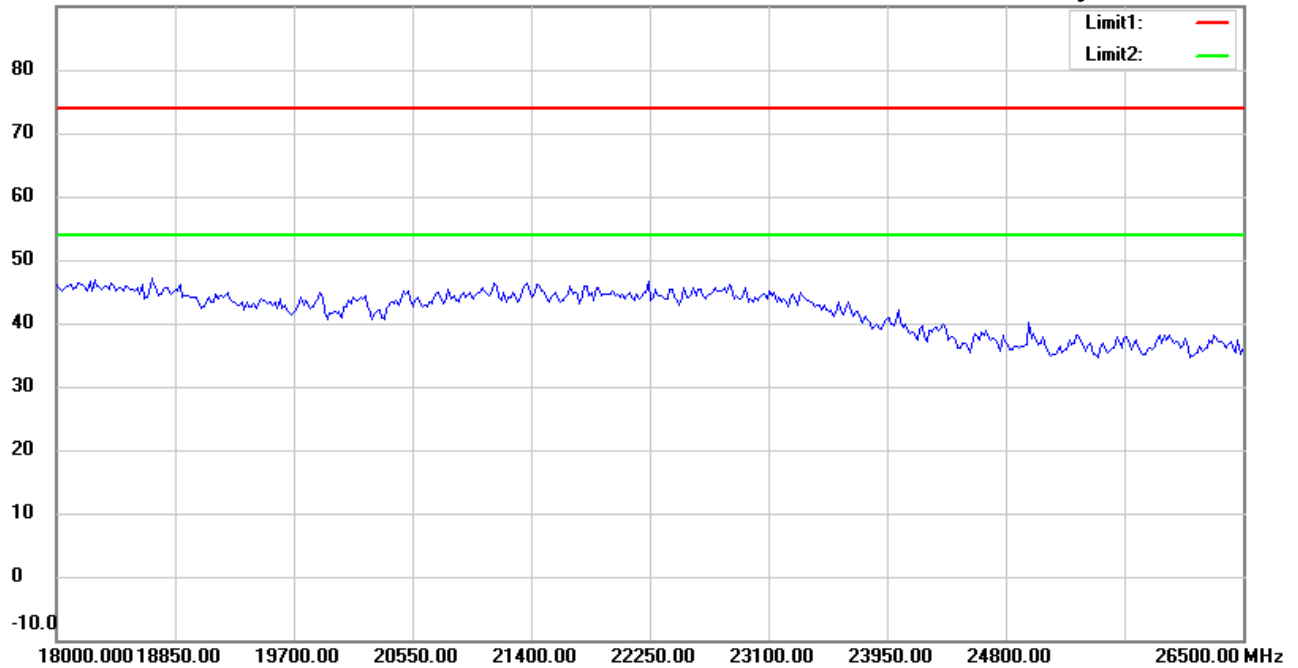
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:31:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

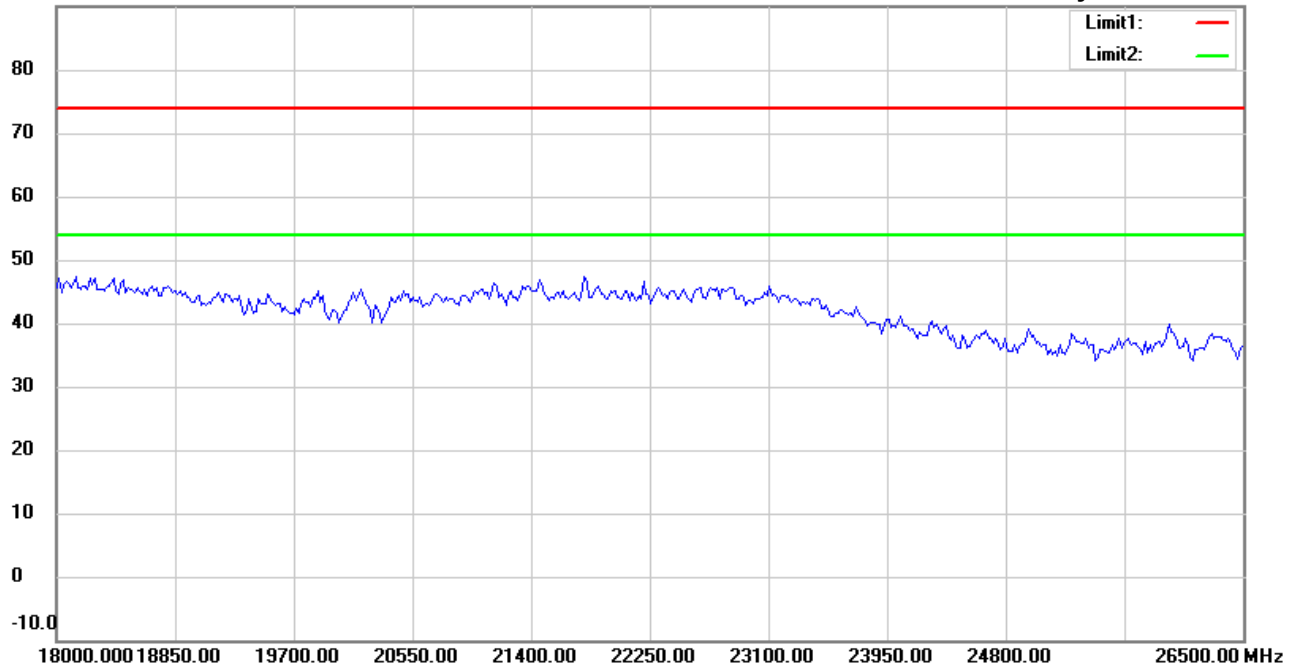
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:35:04 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

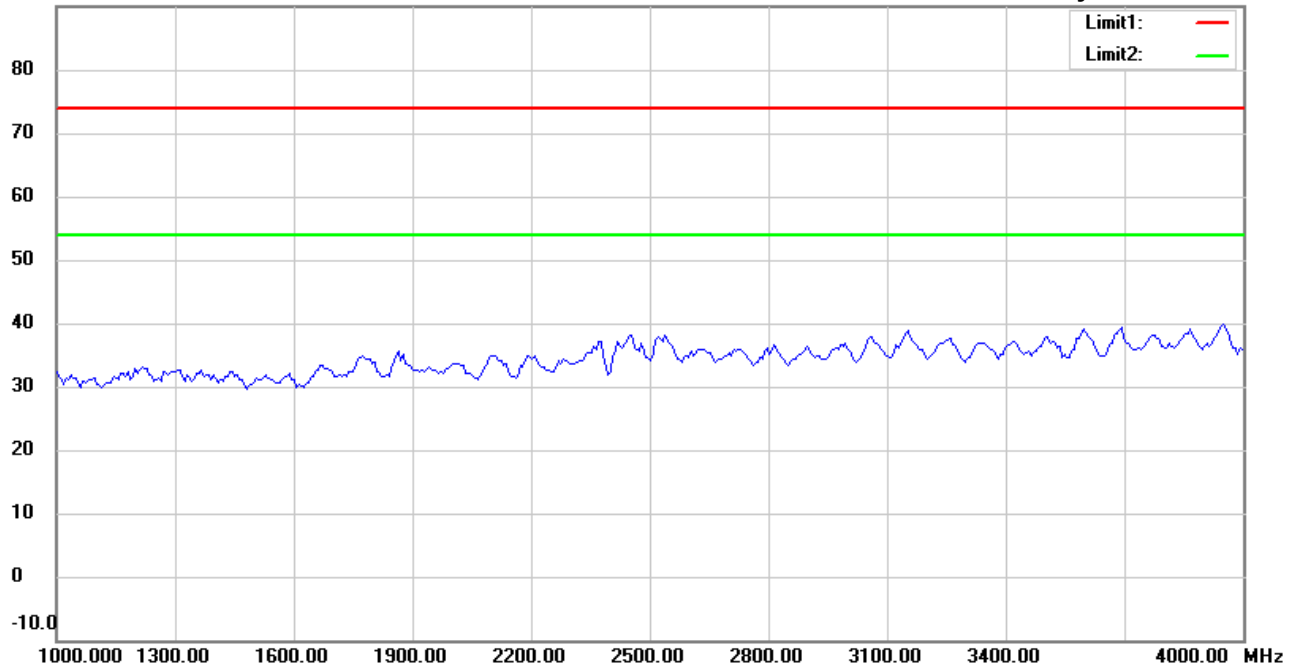
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:39:56 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

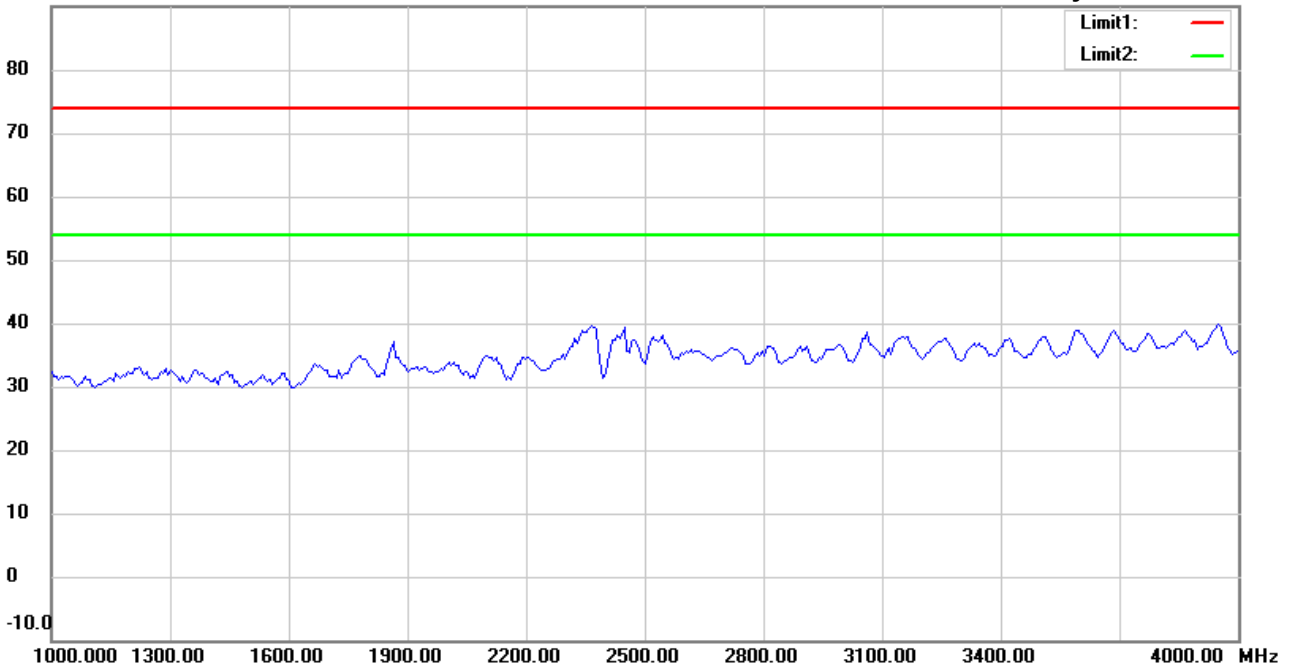
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:43:26 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

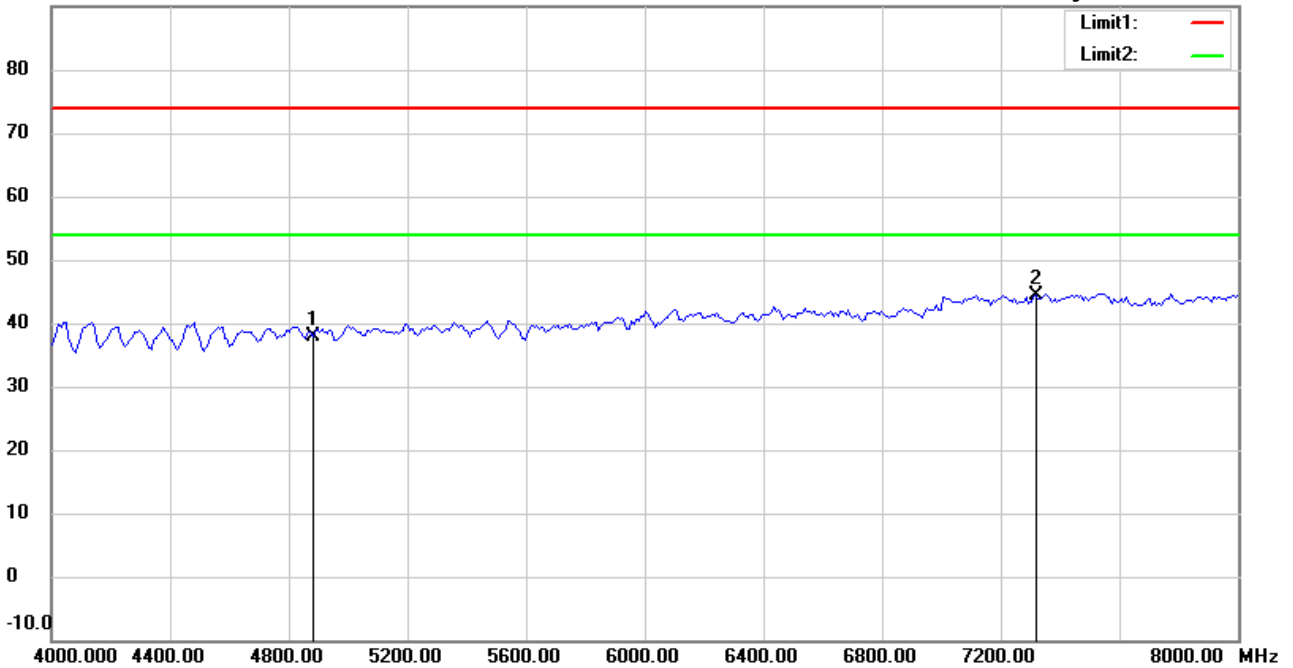
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:40:56 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	39.66	peak	-1.70	37.96	74.00	150	90	-36.04	
*	7311.000	40.94	peak	3.42	44.36	74.00	150	315	-29.64	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

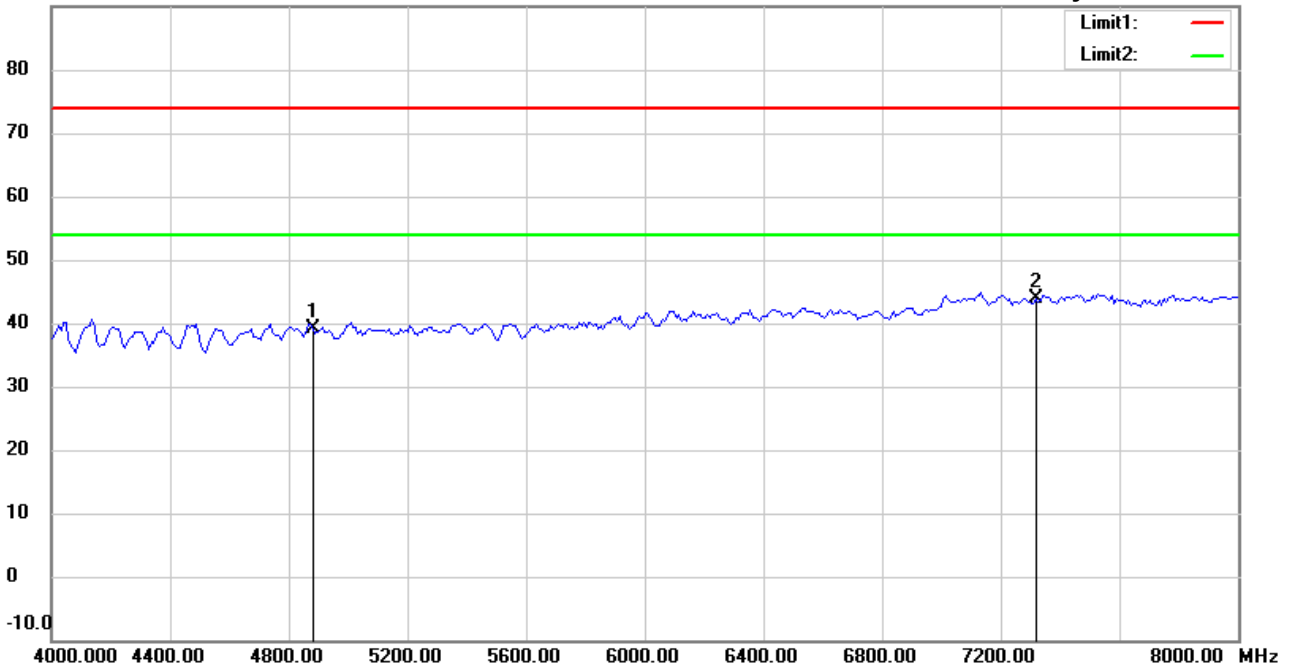
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:44:27 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	40.77	peak	-1.70	39.07	74.00	150	70	-34.93	
*	7311.000	40.40	peak	3.42	43.82	74.00	150	215	-30.18	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

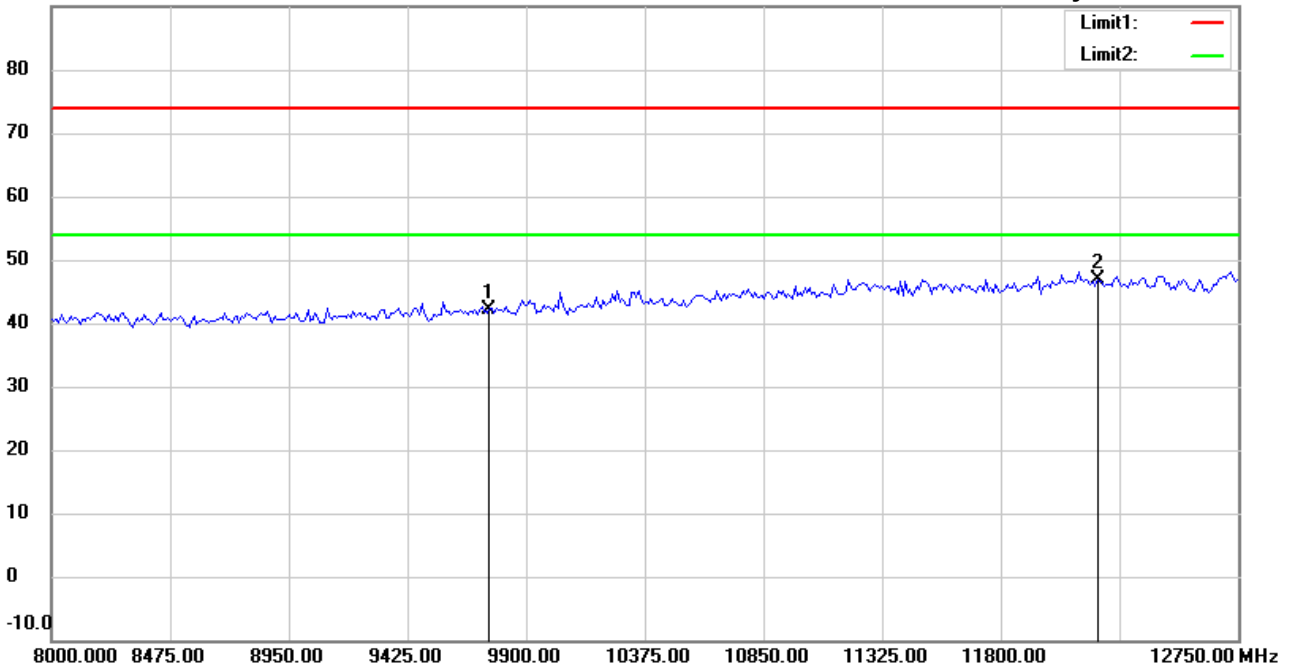
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:42:02 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	35.44	peak	6.75	42.19	74.00	150	110	-31.81	
*	12185.000	34.00	peak	12.83	46.83	74.00	150	230	-27.17	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

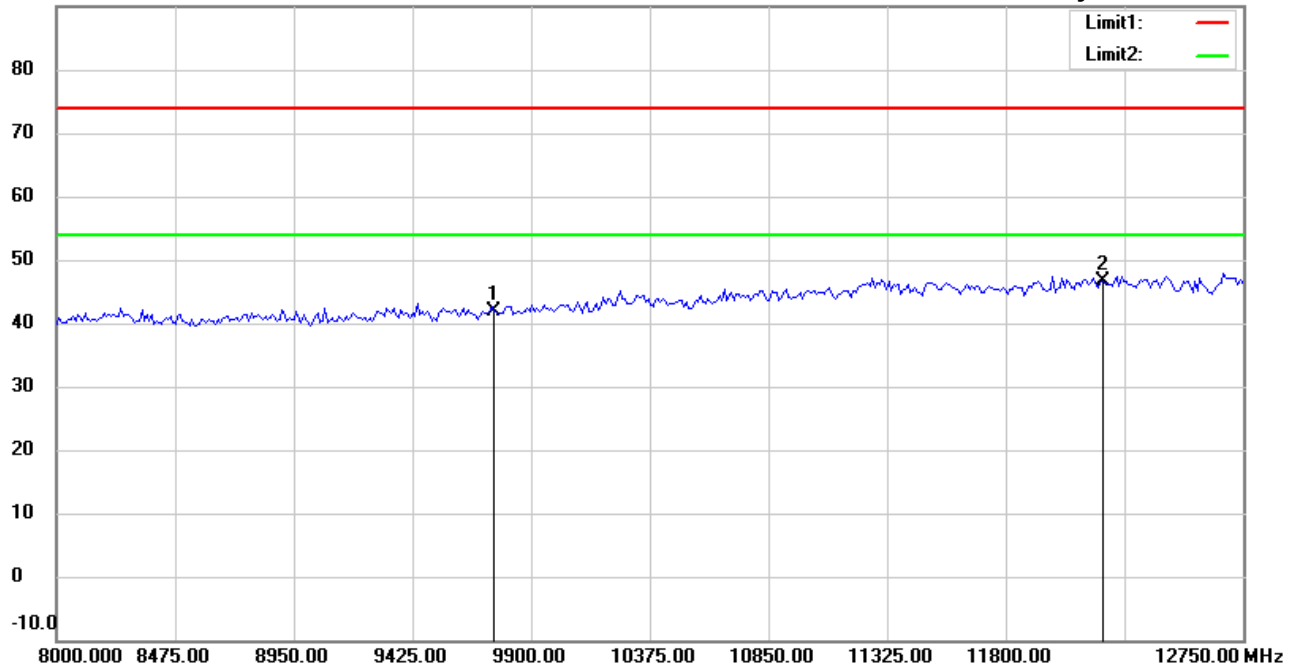
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:45:26 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	35.14	peak	6.75	41.89	74.00	150	250	-32.11	
*	12185.000	33.72	peak	12.83	46.55	74.00	150	120	-27.45	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

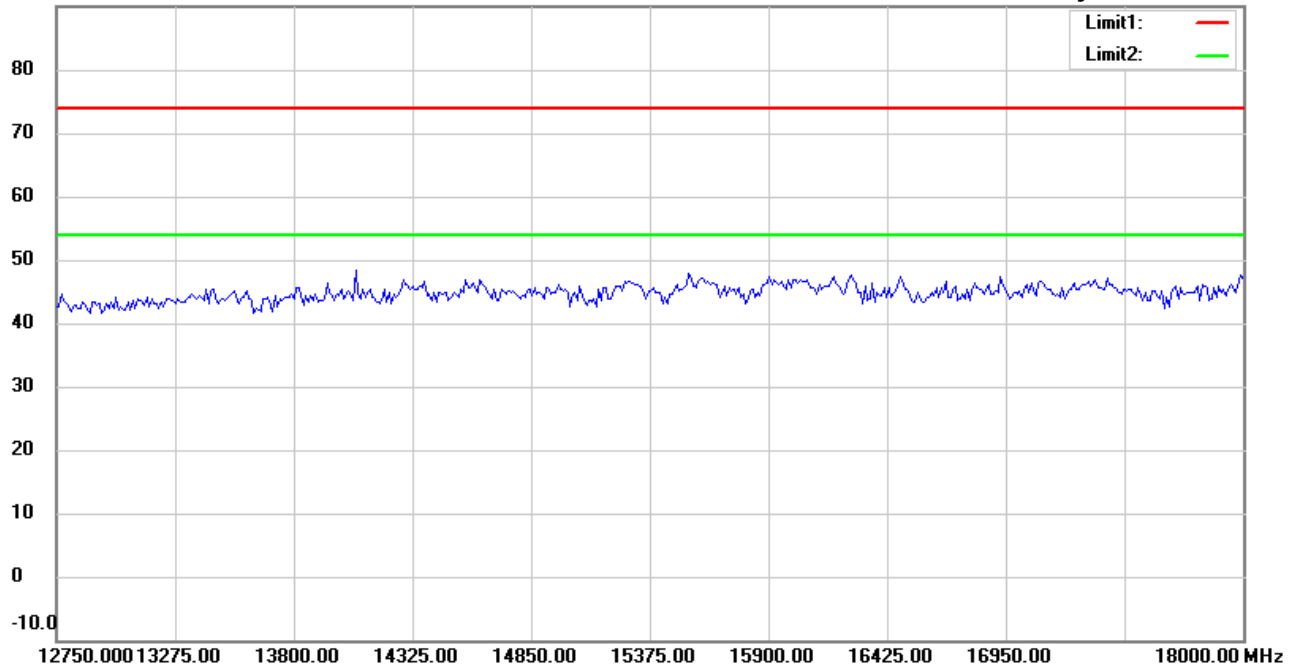
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:42:16 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

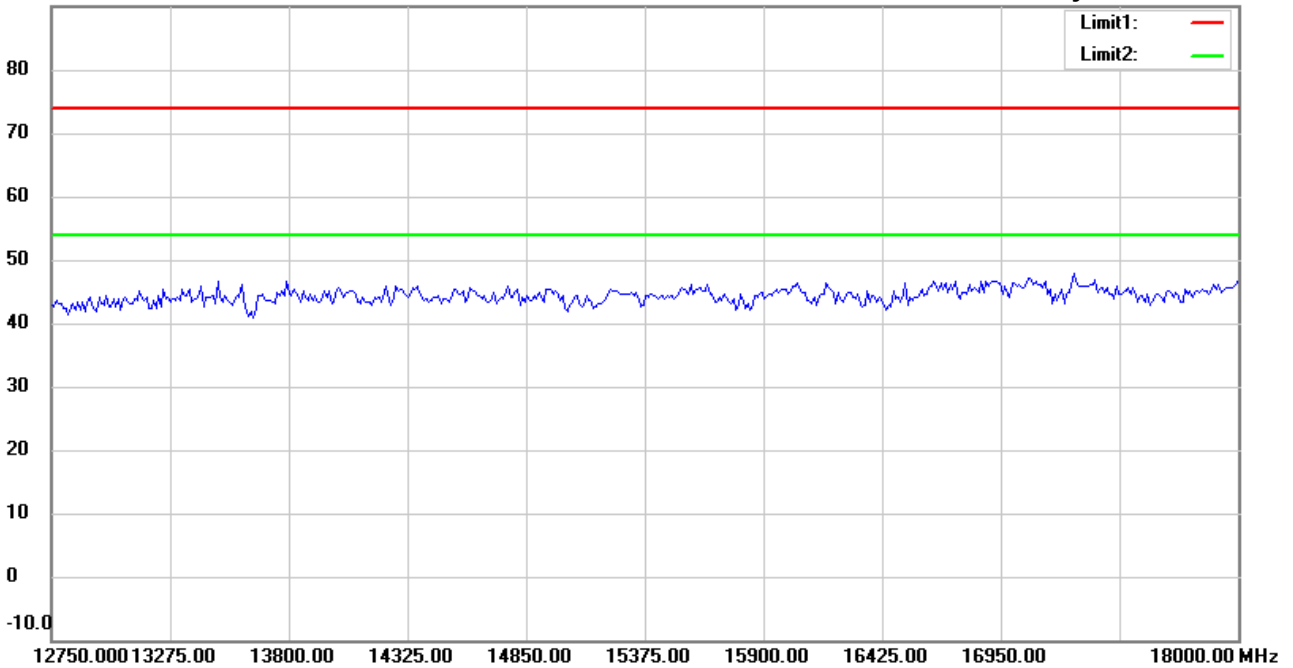
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:45:40 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

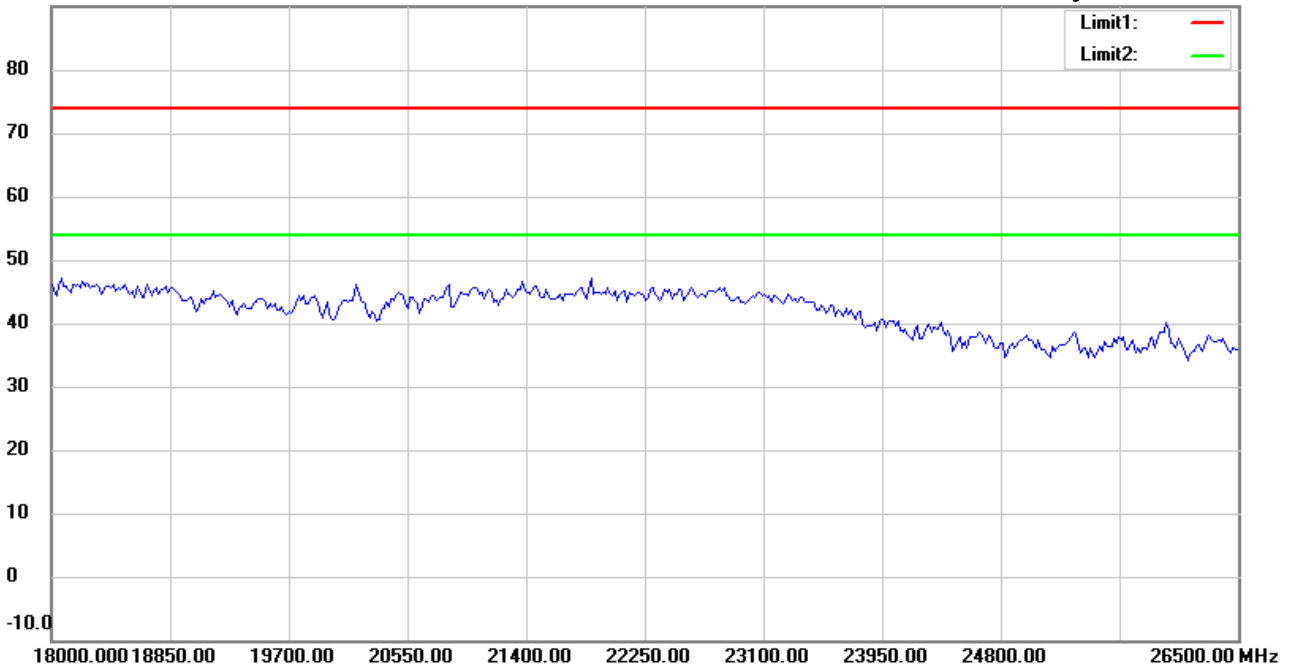
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:42:26 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

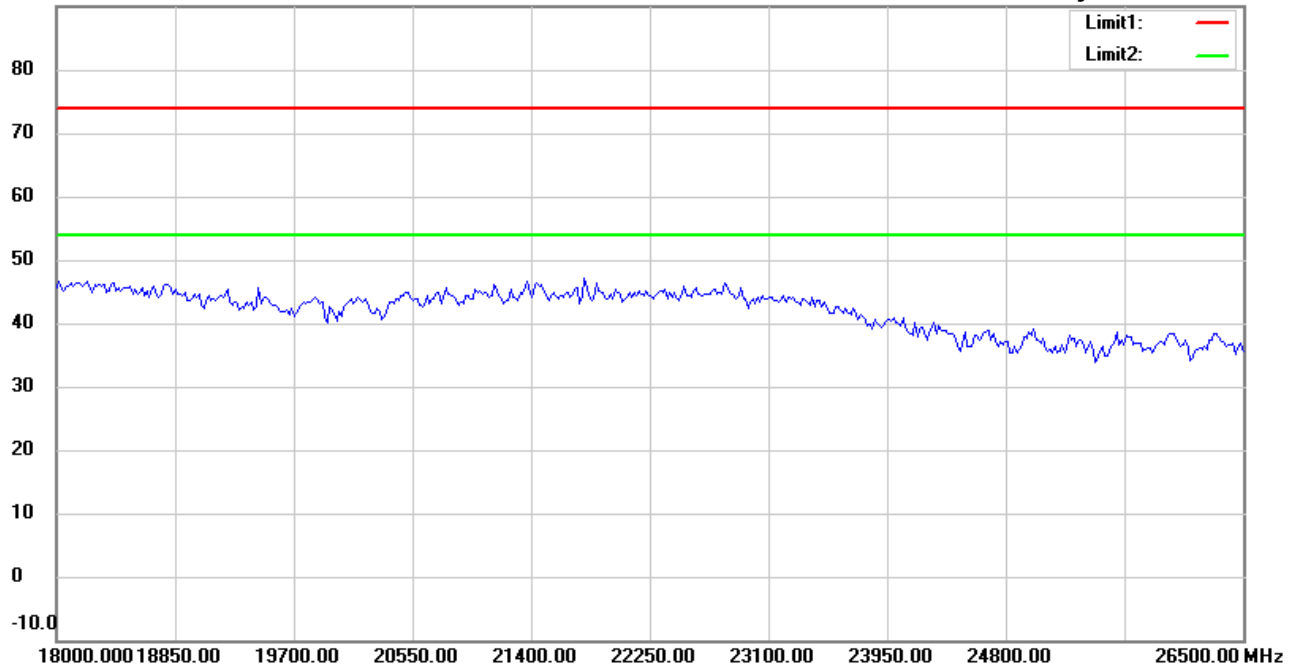
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:45:50 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#1

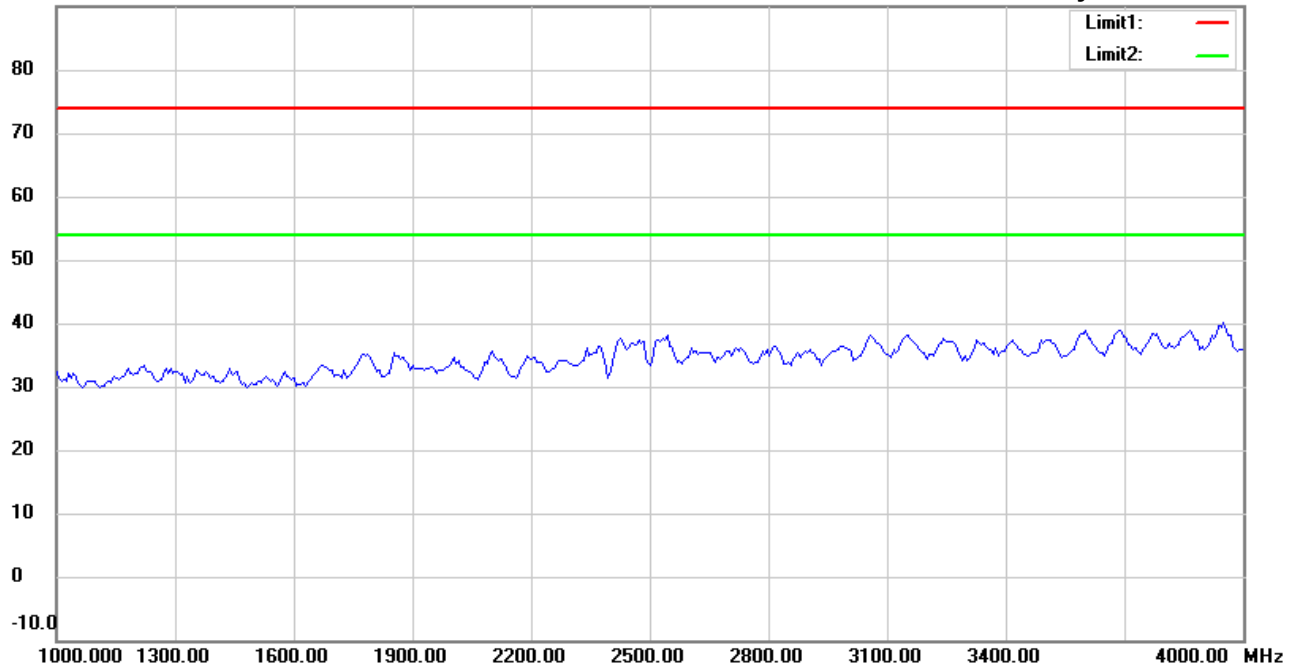
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:51:00 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#6

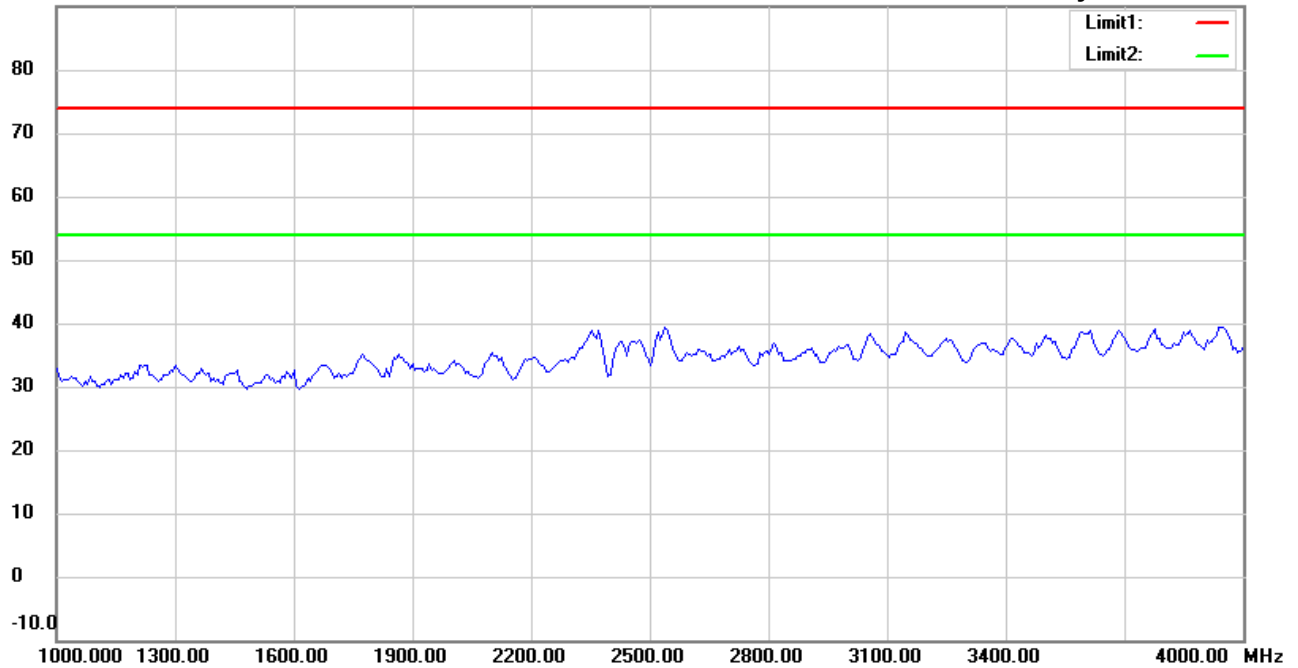
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:54:31 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

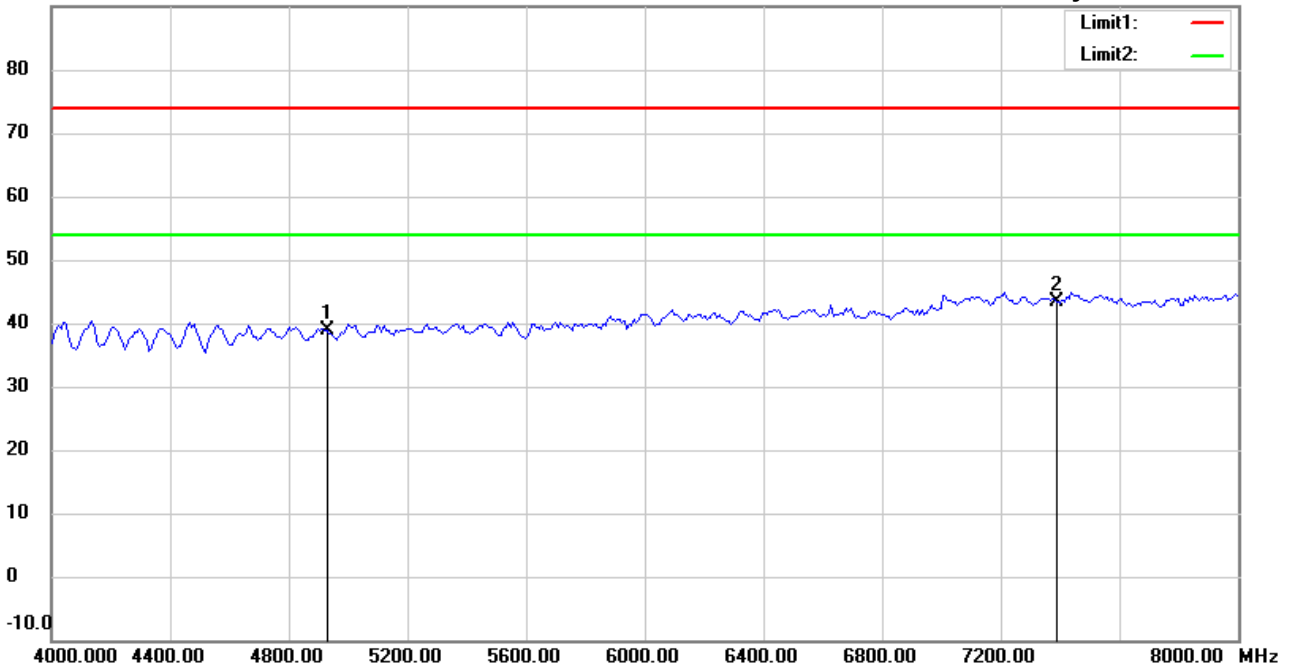
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:52:01 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	40.43	peak	-1.51	38.92	74.00	150	330	-35.08	
*	7386.000	39.69	peak	3.72	43.41	74.00	150	190	-30.59	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#7

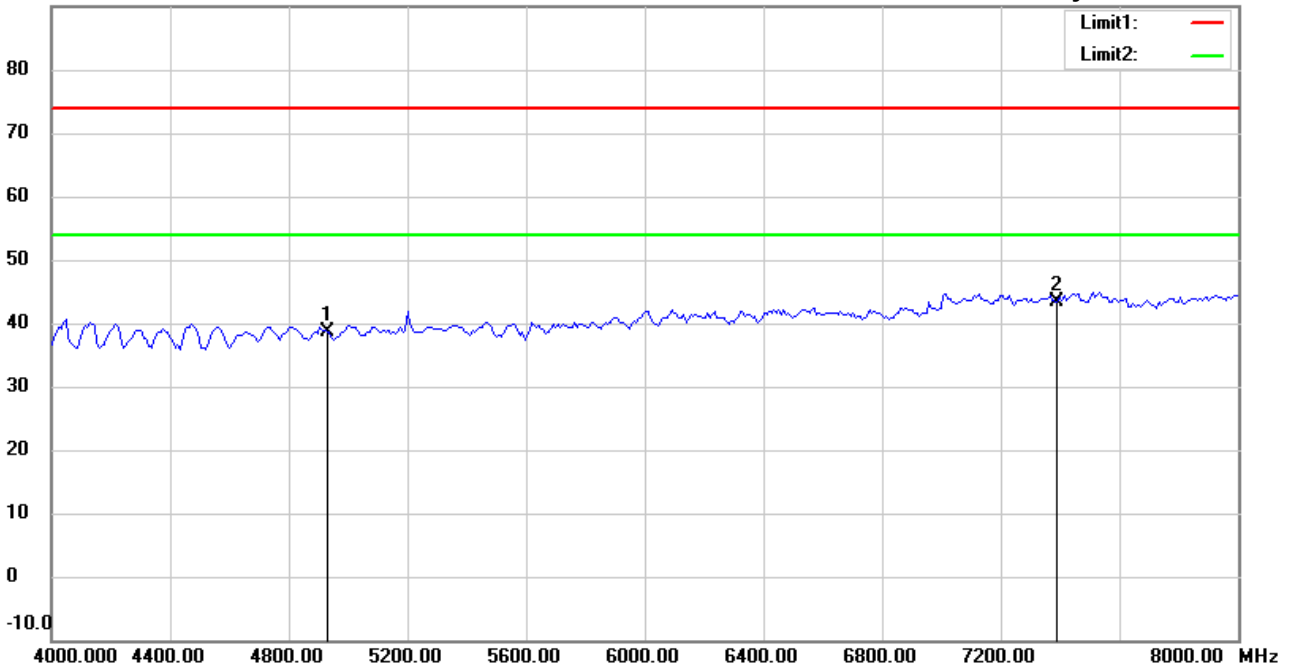
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:55:31 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	40.15	peak	-1.51	38.64	74.00	150	90	-35.36	
*	7386.000	39.59	peak	3.72	43.31	74.00	150	325	-30.69	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

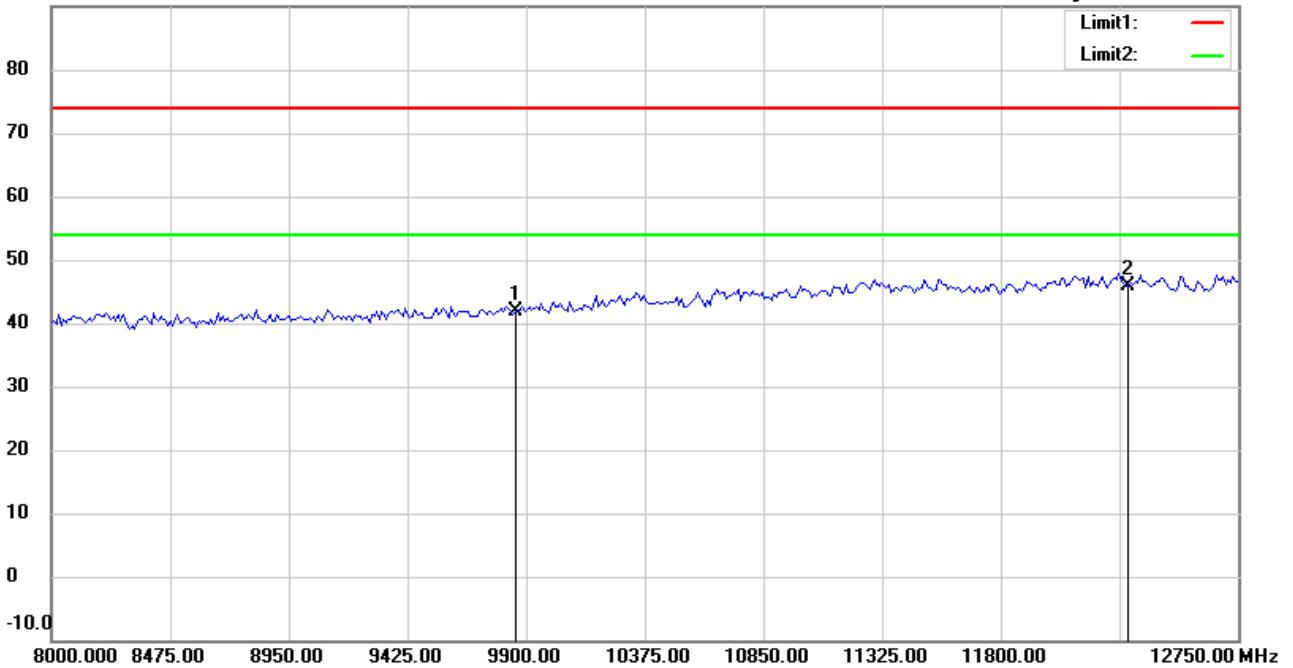
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:53:07 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	34.80	peak	6.96	41.76	74.00	150	170	-32.24	
*	12310.000	33.69	peak	12.18	45.87	74.00	150	235	-28.13	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#8

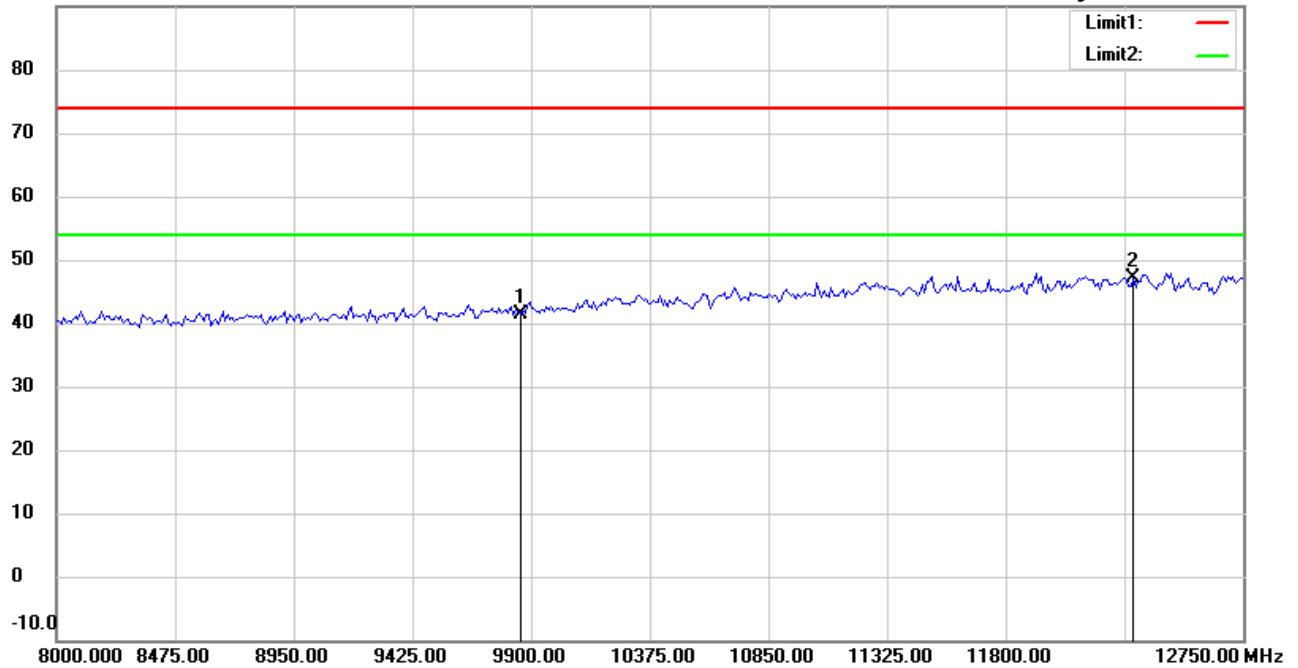
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:56:31 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	34.53	peak	6.96	41.49	74.00	150	40	-32.51	
*	12310.000	34.92	peak	12.18	47.10	74.00	150	125	-26.90	

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



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#4

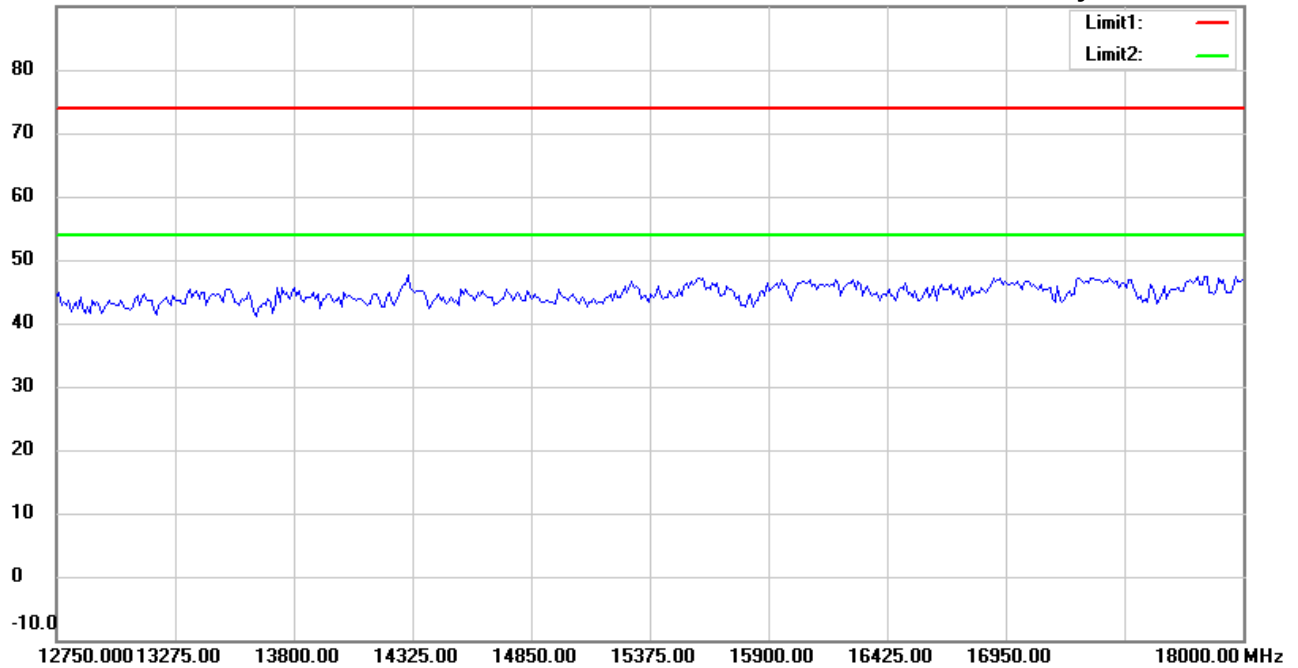
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:53:21 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#9

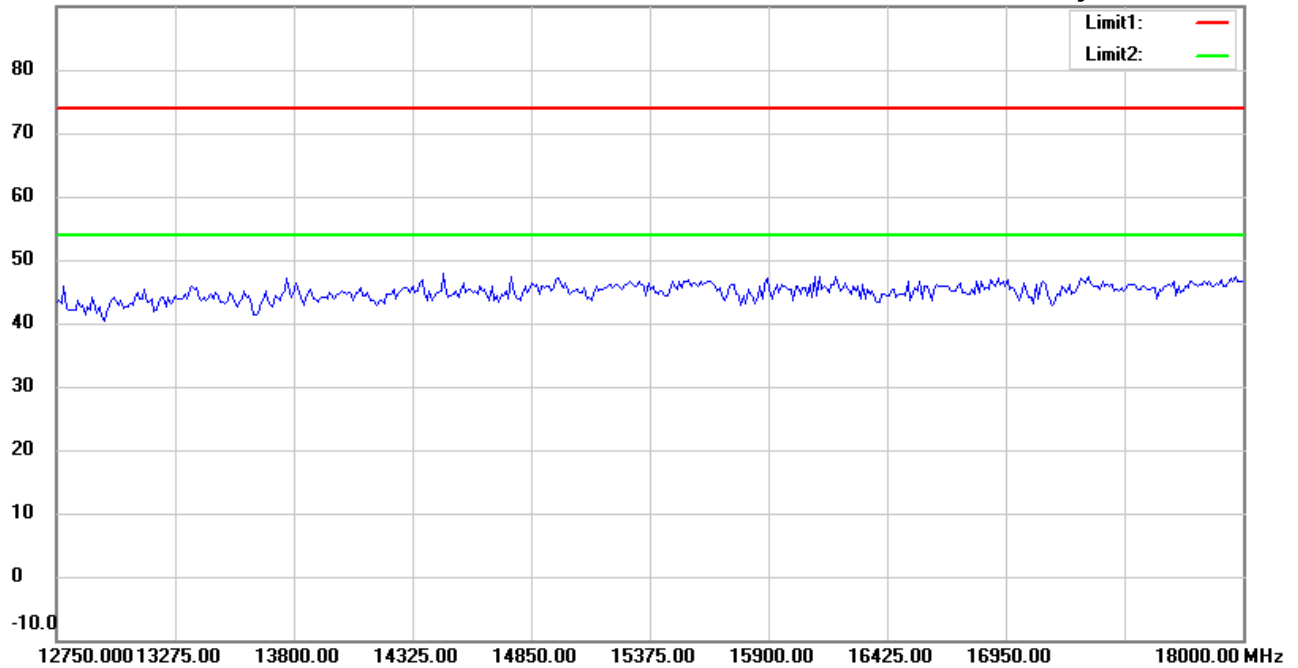
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:56:45 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#5

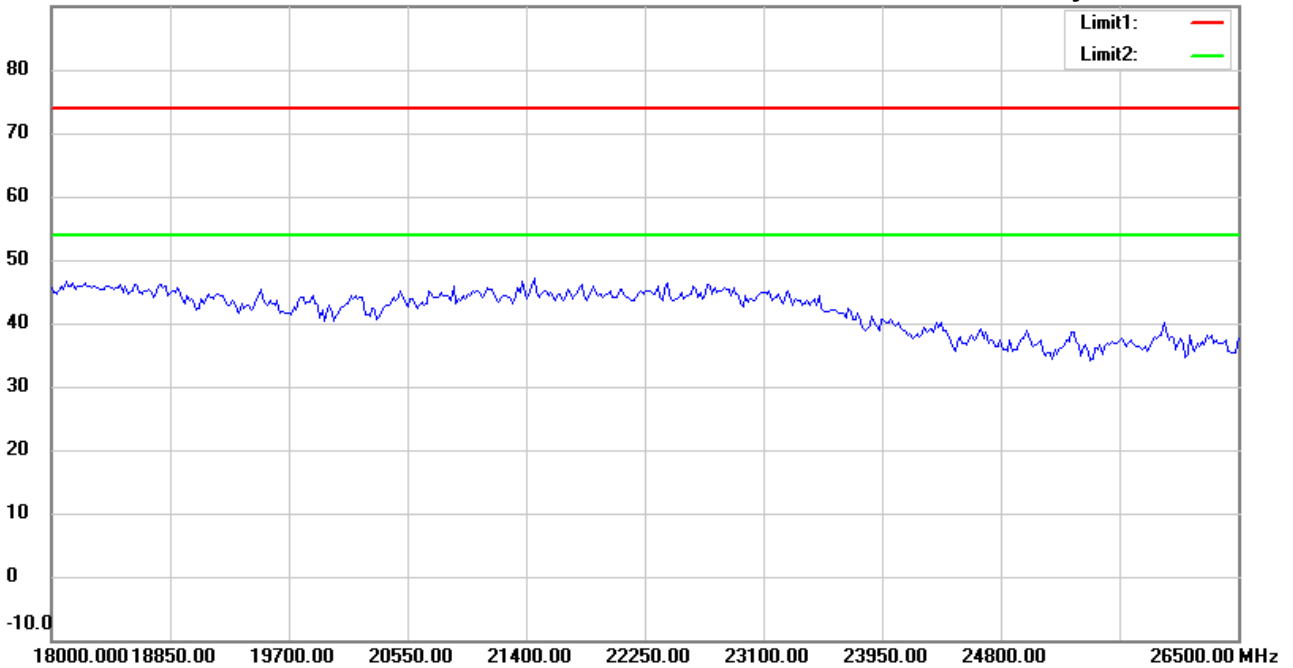
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:53:31 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Vincent

File :3

Data :#10

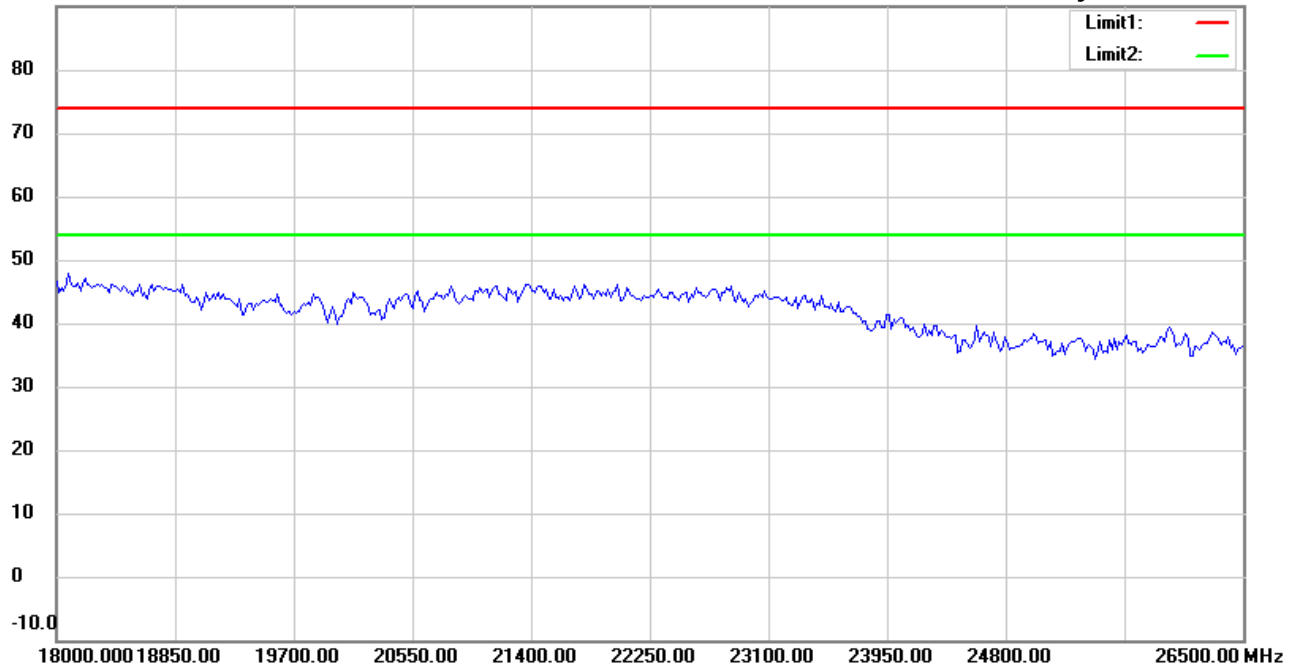
Date: 2/17/2020

Temperature:22.0 °C

90.0 dBuV/m

Time: 11:56:54 PM

Humidity:71.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :1_BT_TX

Data :#1

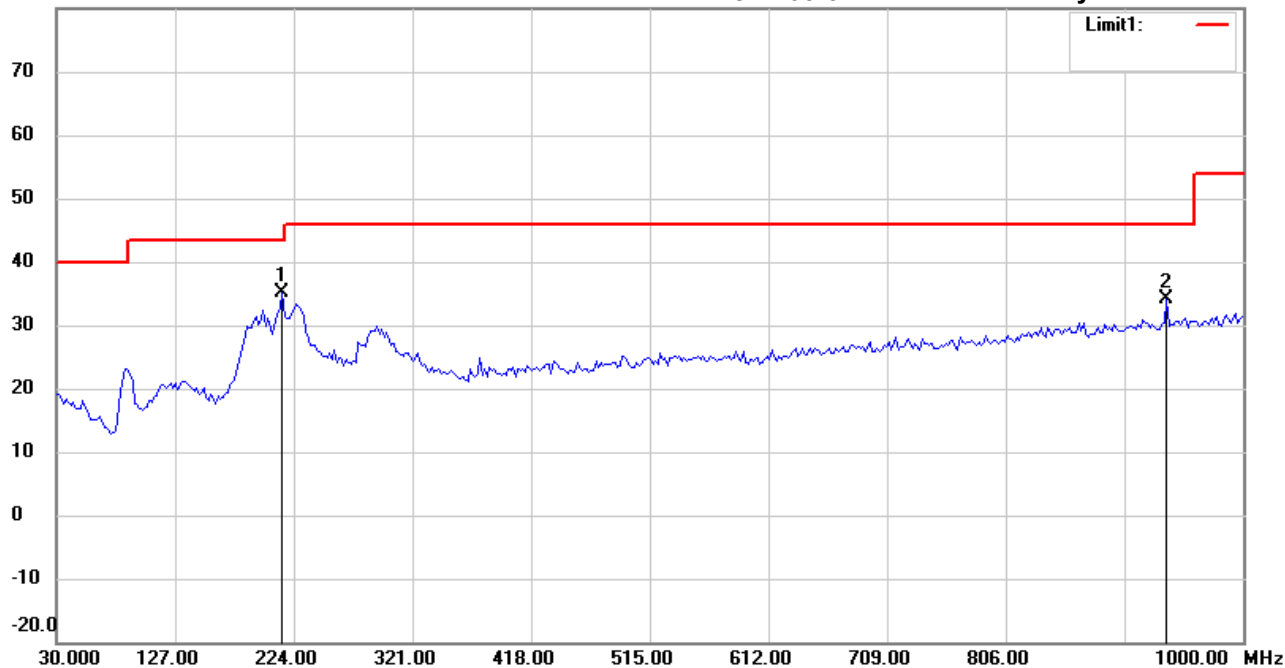
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:03:37 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	214.6692	45.67	peak	-10.49	35.18	43.50	100	175	-8.32	
	937.7956	30.12	peak	3.97	34.09	46.00	100	60	-11.91	



Radiated Emission Measurement

Operator: Allen

File :1_BT_TX

Data :#2

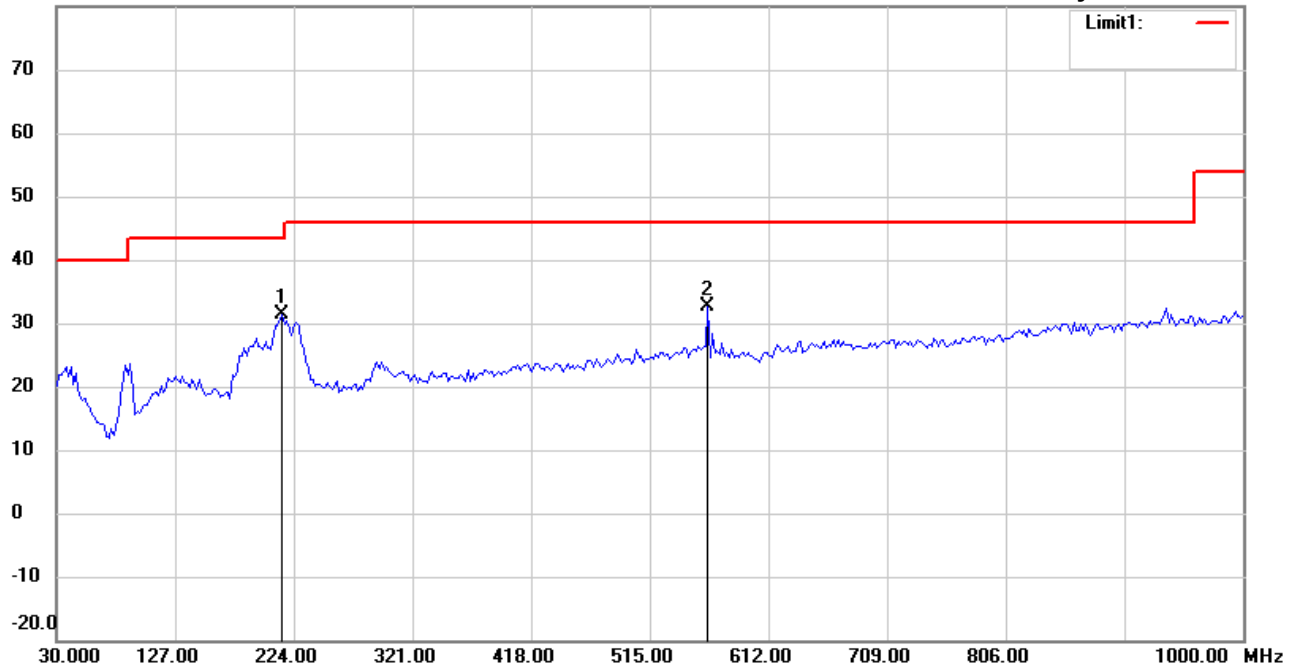
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:04:37 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	214.6693	41.78	peak	-10.49	31.29	43.50	100	40	-12.21	
	562.6253	34.83	peak	-2.16	32.67	46.00	100	215	-13.33	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

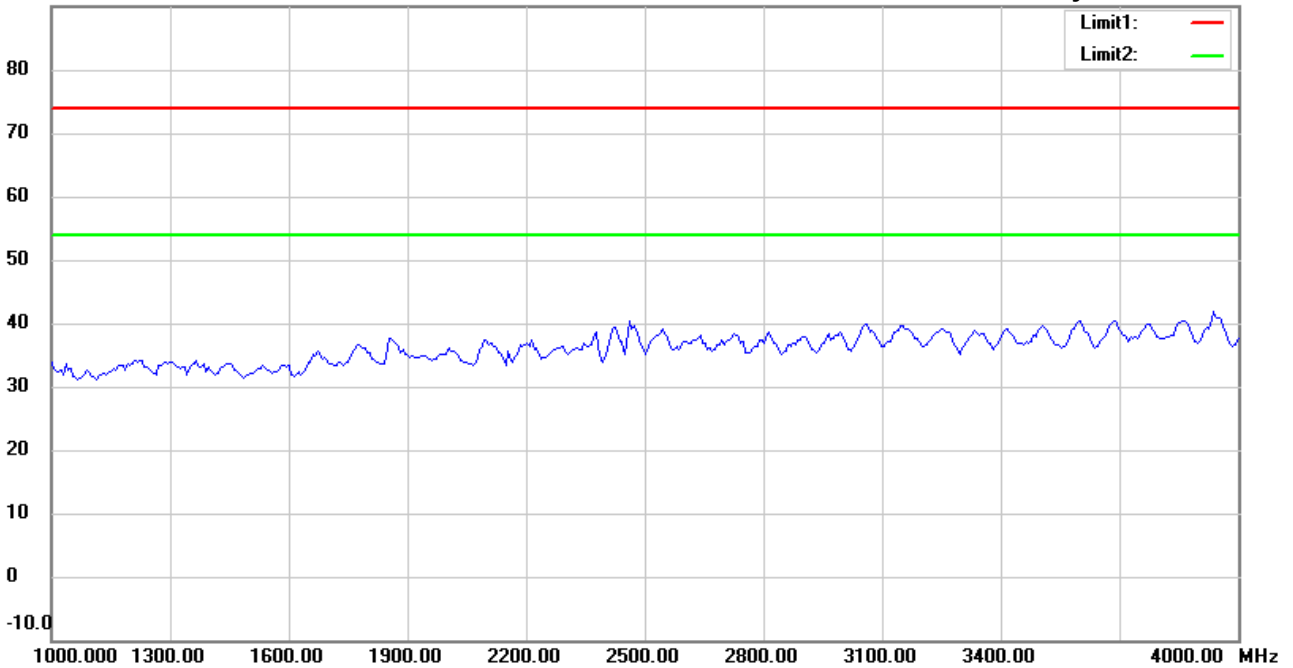
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:47:39 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

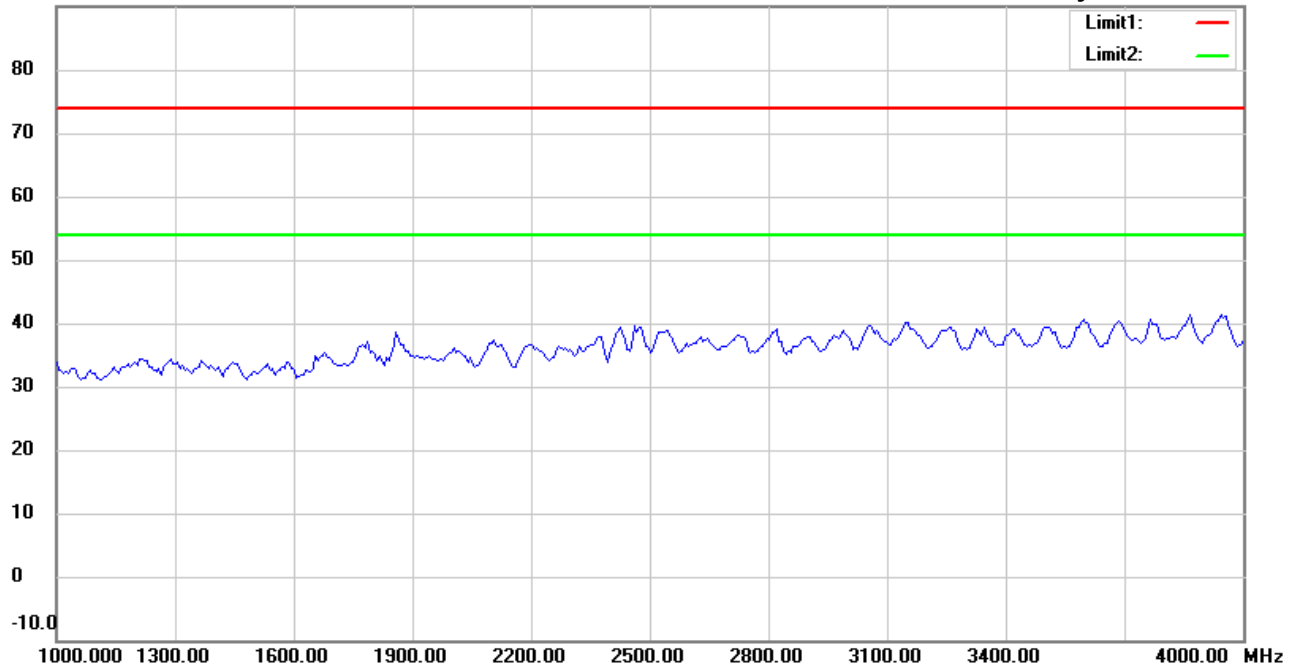
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:51:00 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

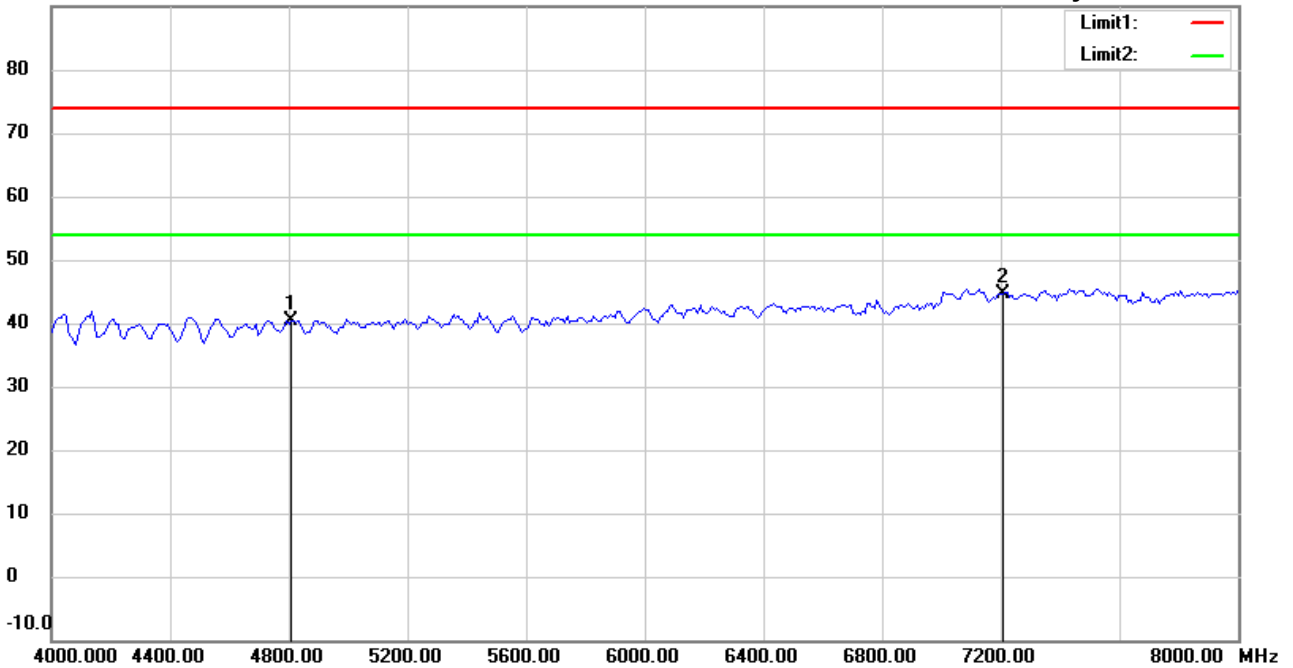
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:48:39 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Horizontal**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.30	peak	-1.95	40.35	74.00	150	70	-33.65	
*	7206.000	41.27	peak	3.24	44.51	74.00	150	280	-29.49	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

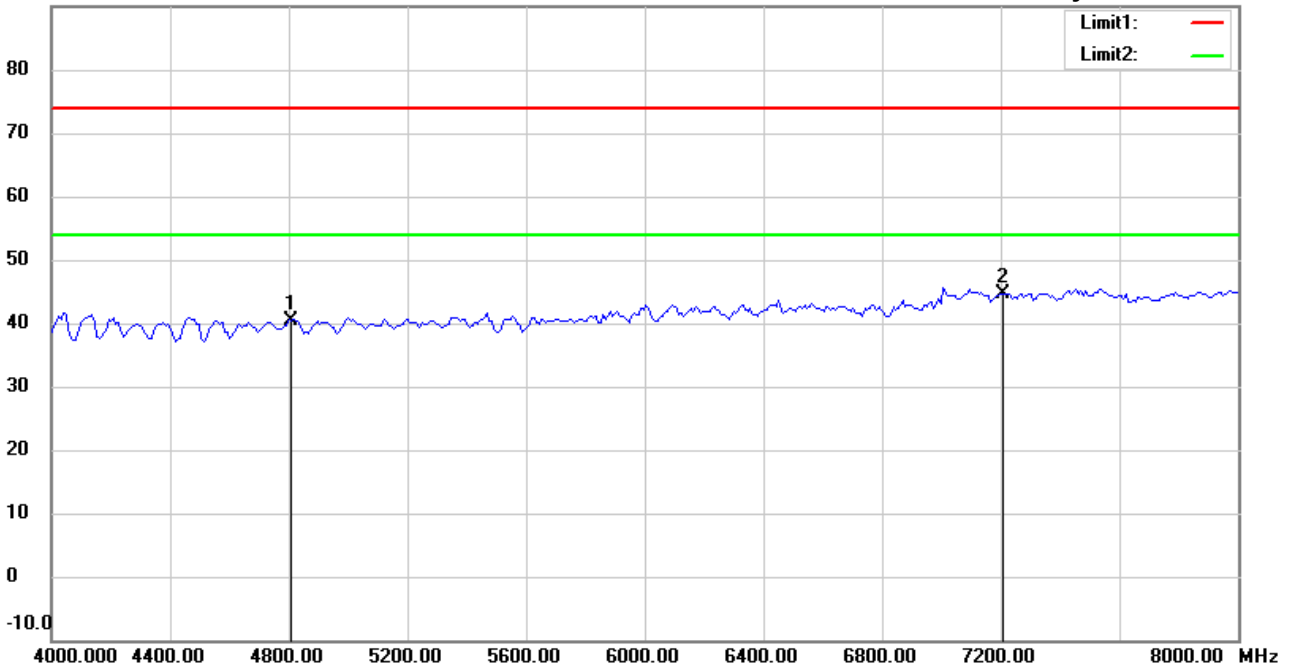
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:52:00 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.36	peak	-1.95	40.41	74.00	150	80	-33.59	
*	7206.000	41.48	peak	3.24	44.72	74.00	150	190	-29.28	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

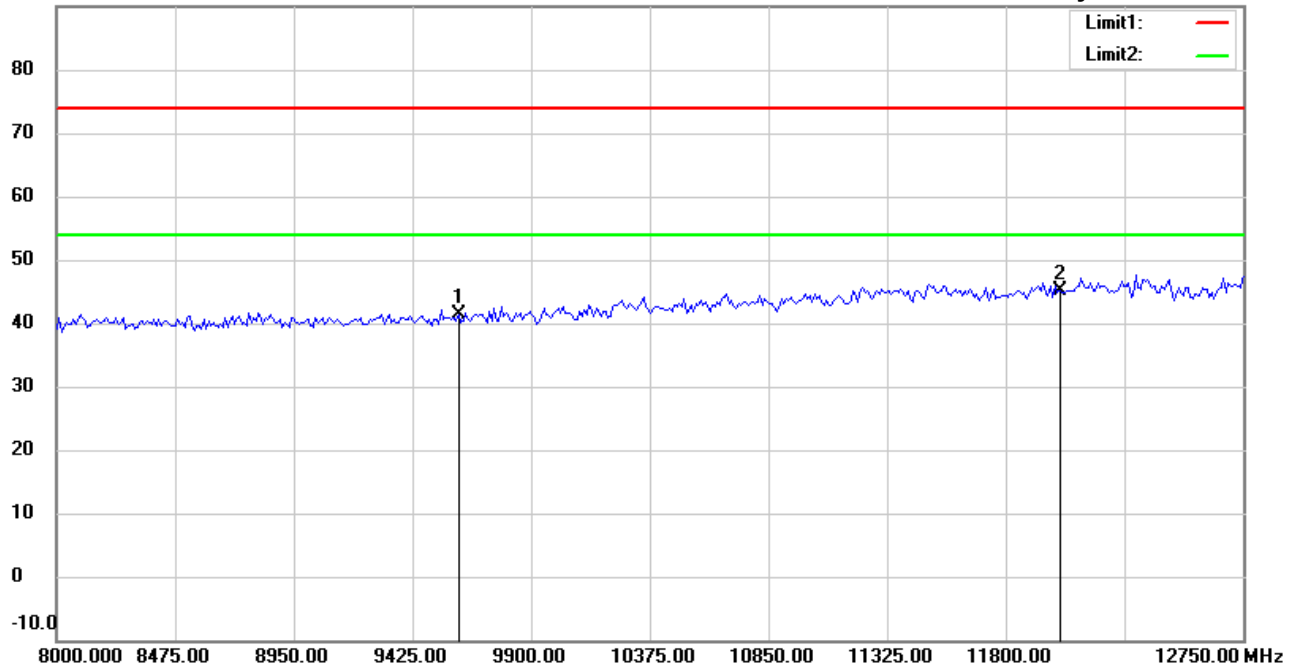
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:48:52 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.91	peak	6.53	41.44	74.00	150	120	-32.56	
*	12010.000	33.50	peak	11.62	45.12	74.00	150	35	-28.88	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

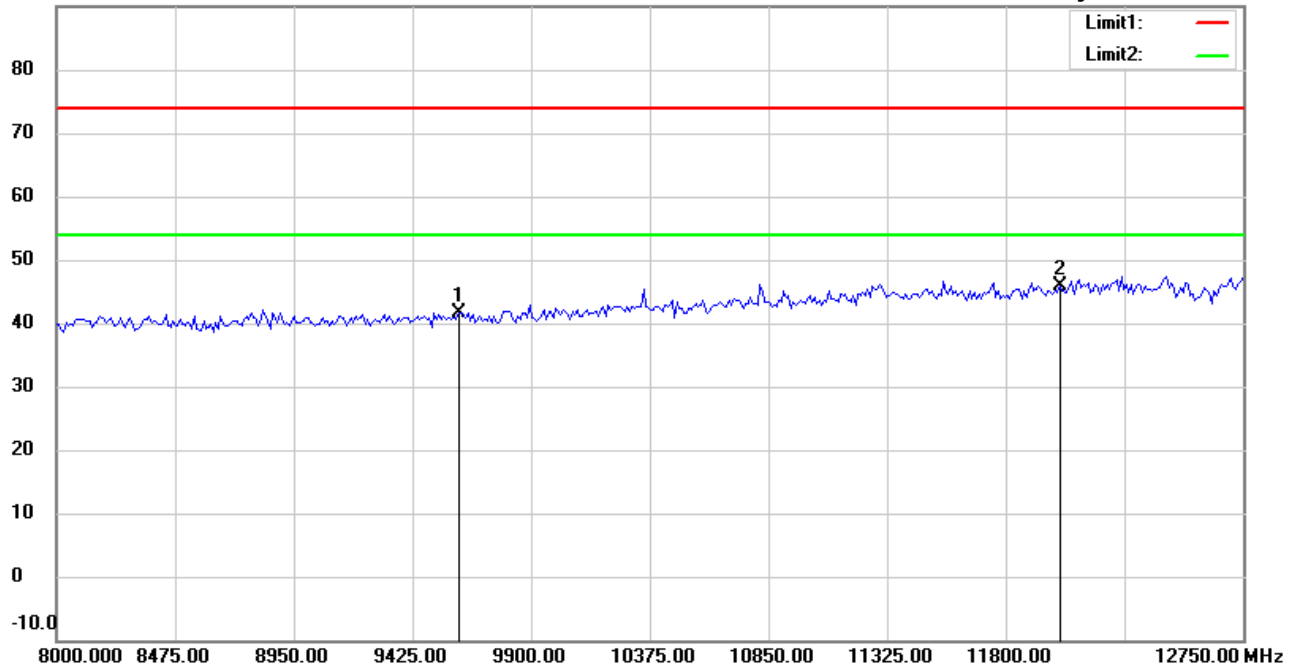
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:52:13 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	35.02	peak	6.53	41.55	74.00	150	275	-32.45	
*	12010.000	34.23	peak	11.62	45.85	74.00	150	340	-28.15	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

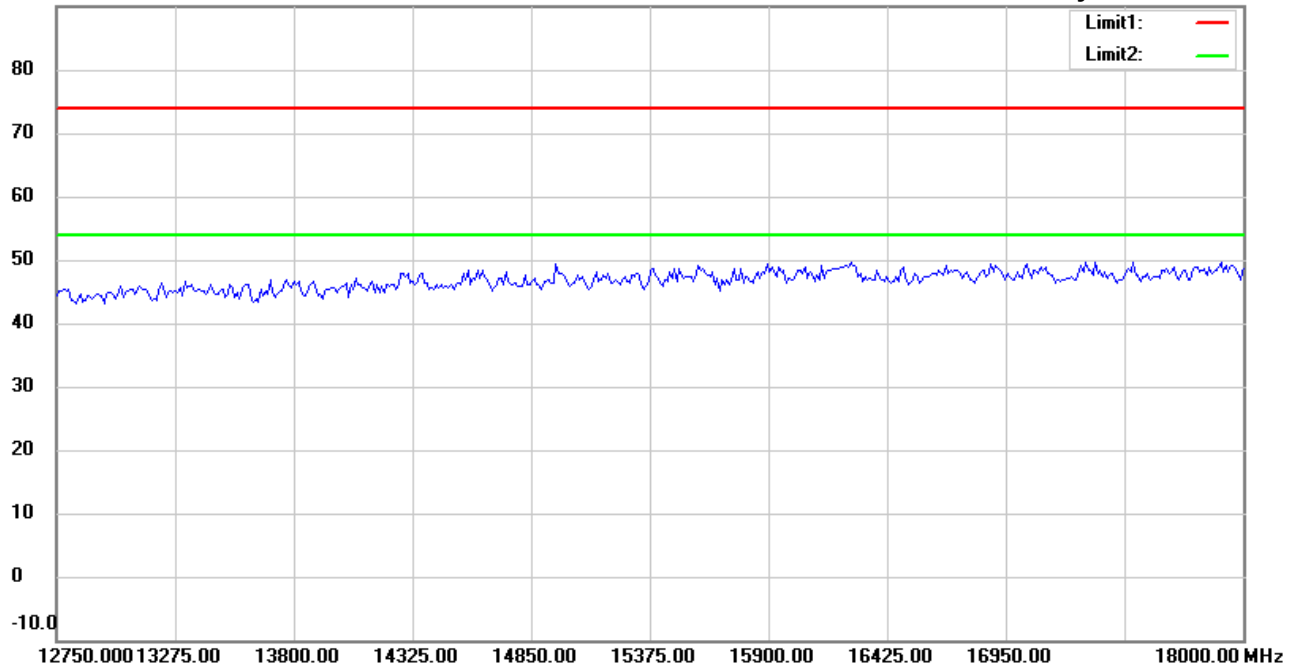
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:49:50 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

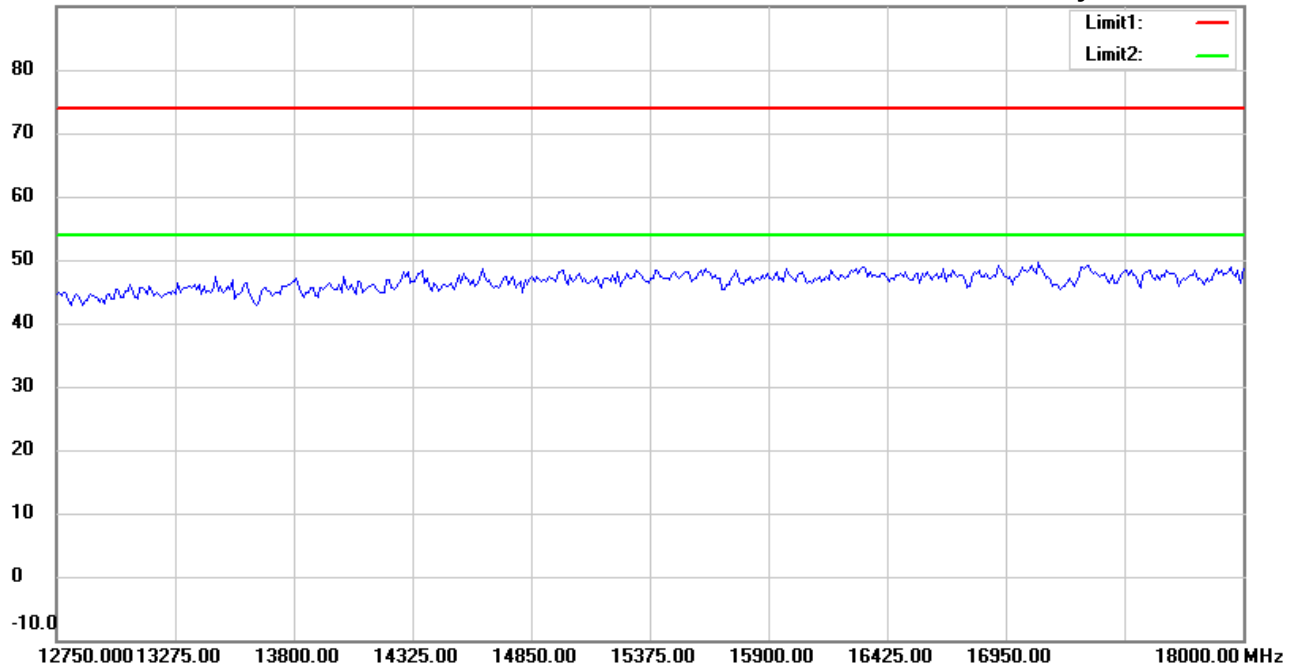
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:53:15 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

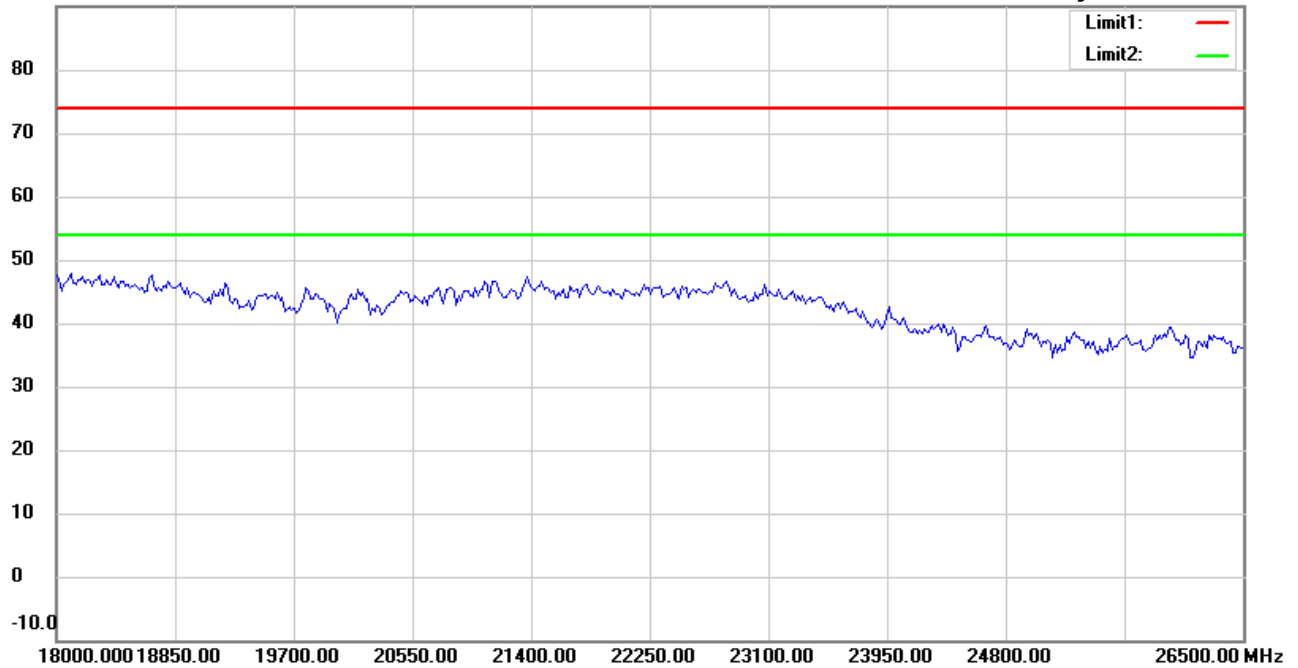
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:50:00 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

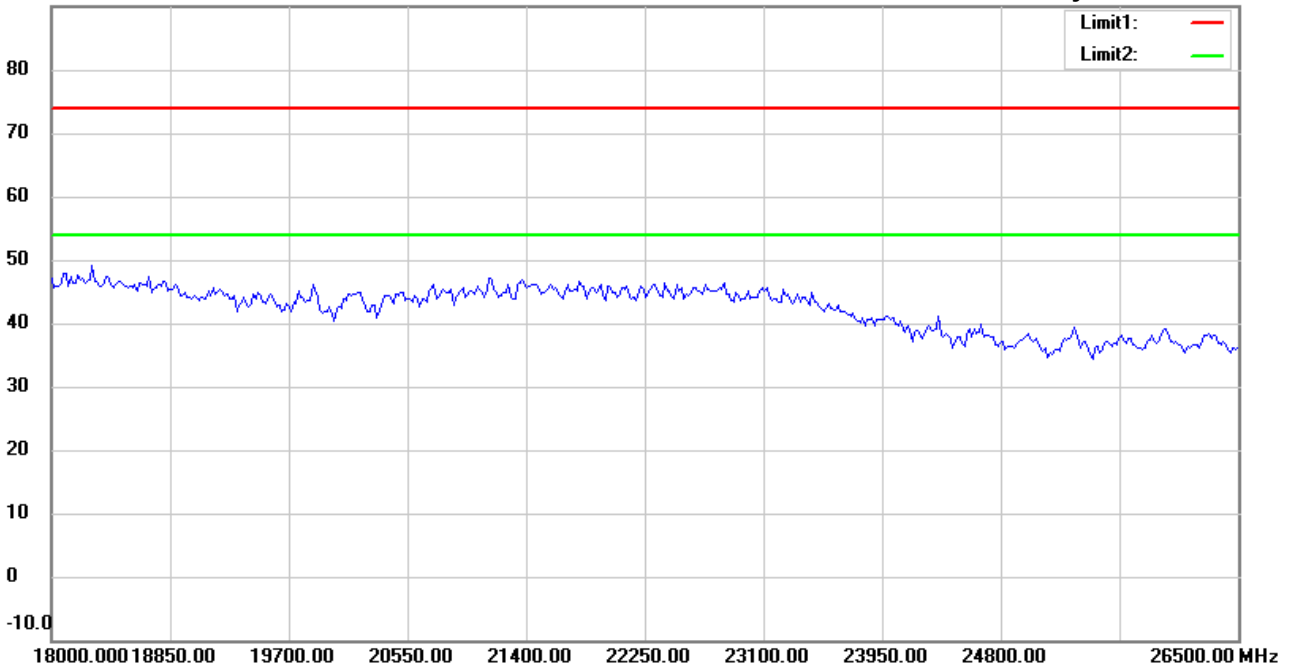
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 5:53:25 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

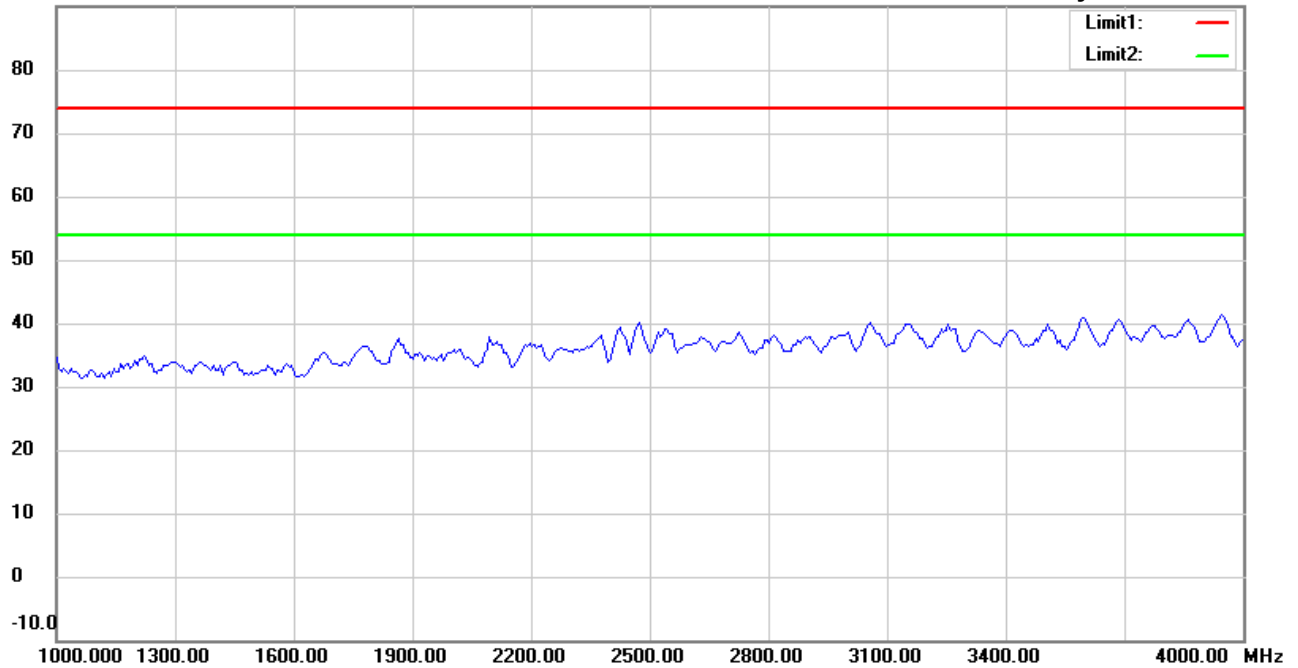
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:00:44 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

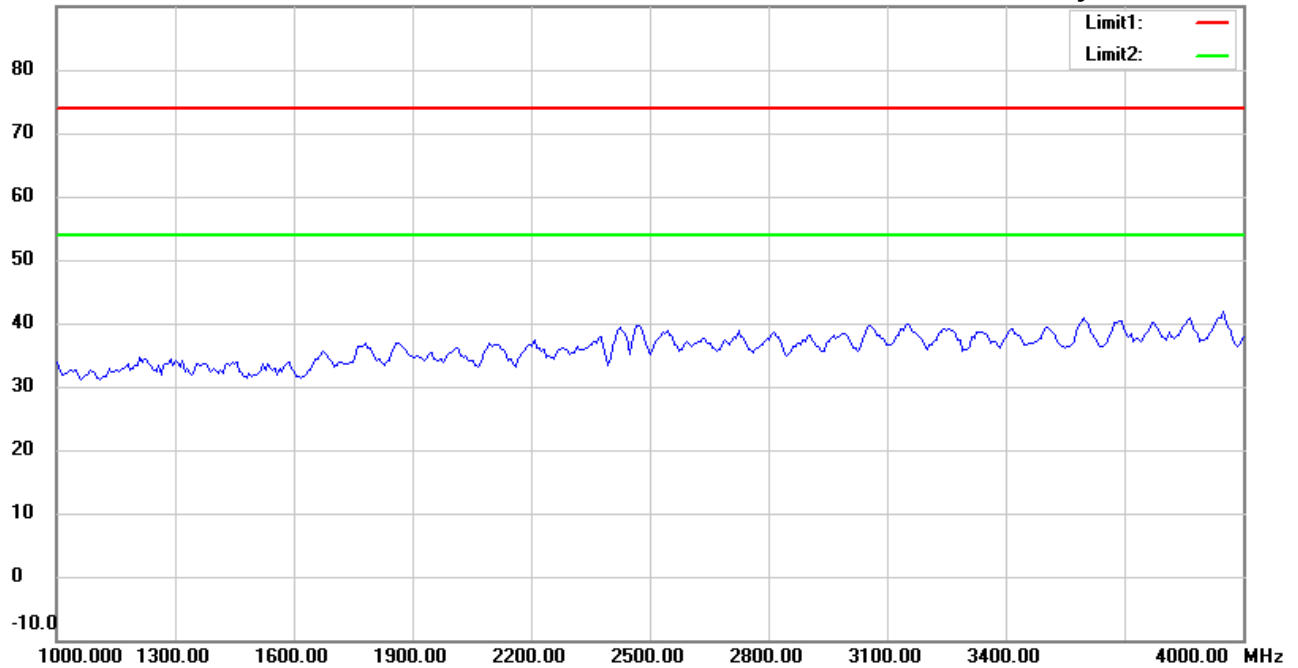
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:04:05 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

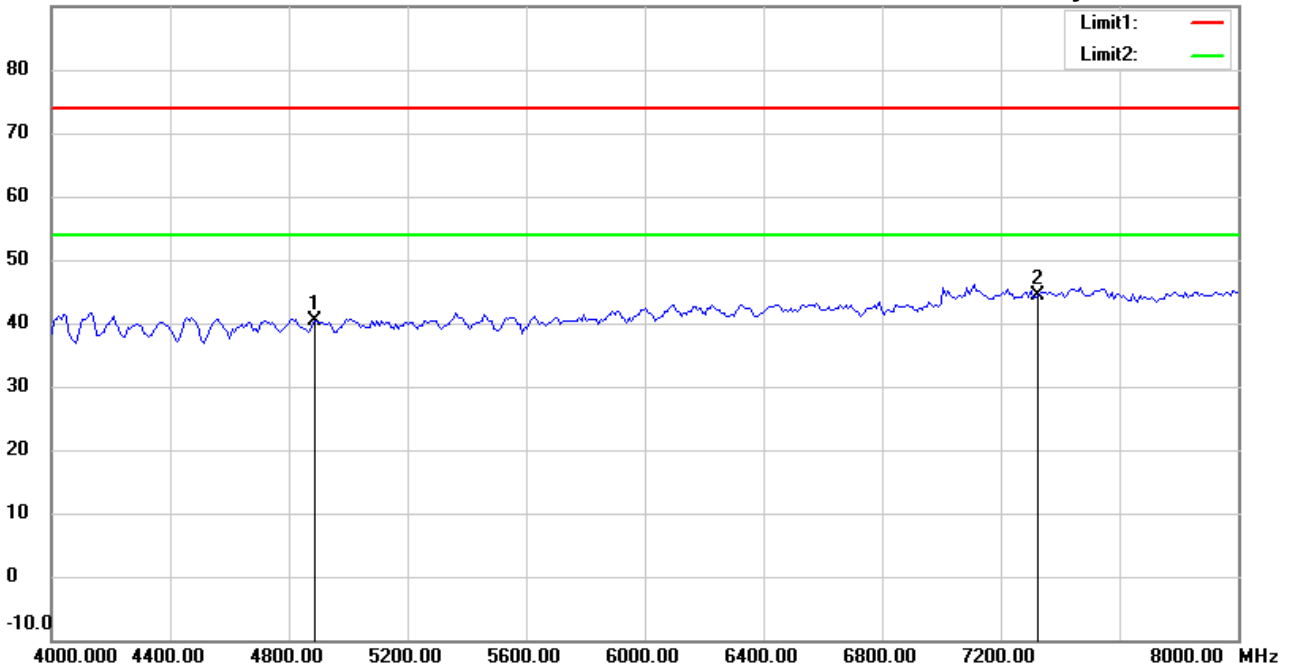
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:01:44 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4882.000	41.97	peak	-1.67	40.30	74.00	150	80	-33.70	
*	7323.000	40.99	peak	3.46	44.45	74.00	150	115	-29.55	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

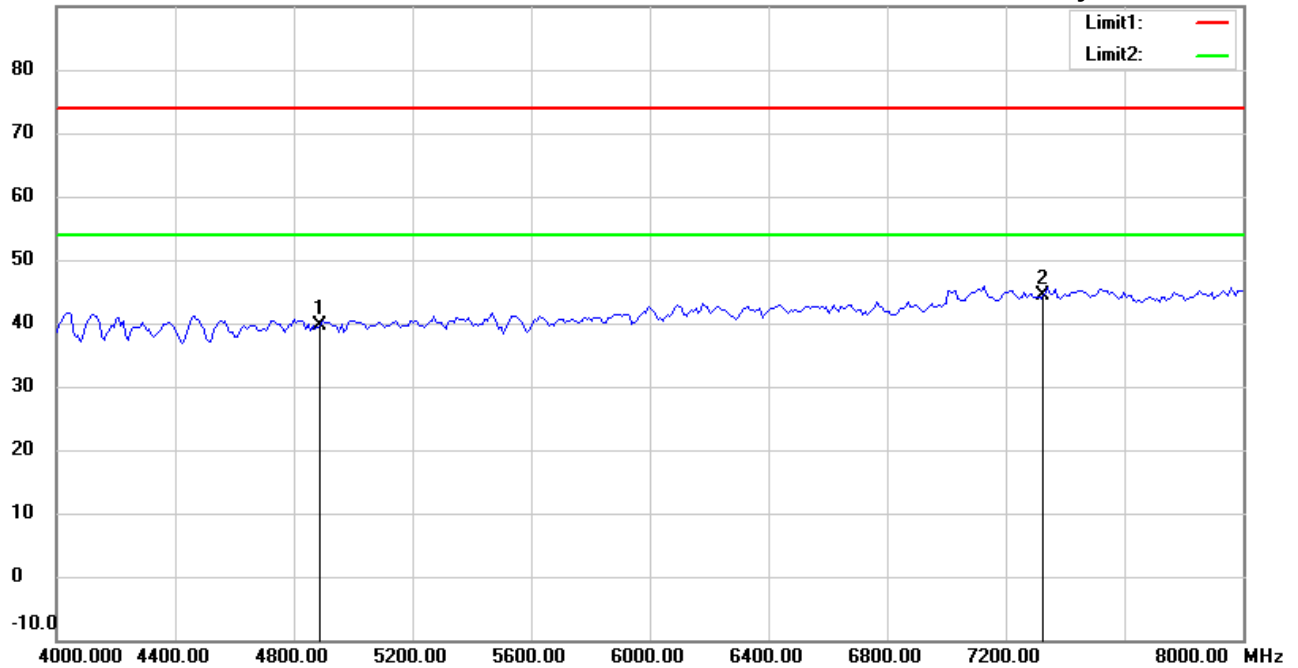
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:05:05 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4882.000	41.33	peak	-1.67	39.66	74.00	150	150	-34.34	
*	7323.000	40.92	peak	3.46	44.38	74.00	150	65	-29.62	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

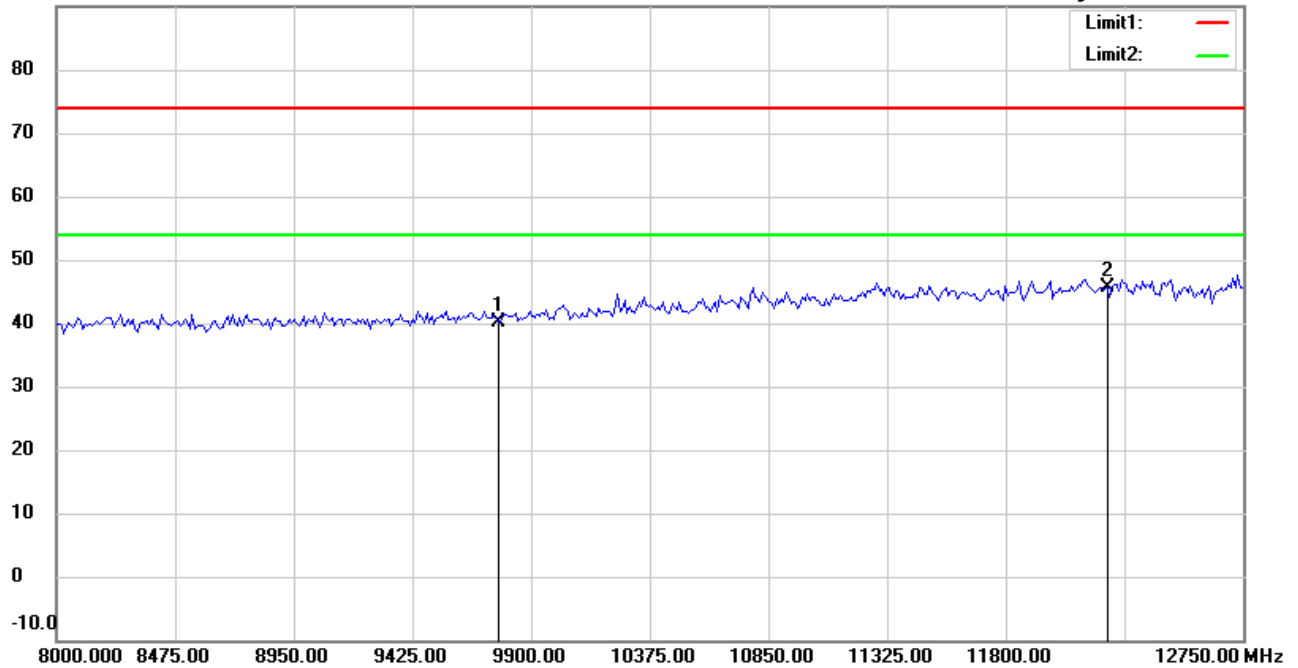
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:01:57 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	33.35	peak	6.77	40.12	74.00	150	230	-33.88	
*	12205.000	32.77	peak	12.81	45.58	74.00	150	360	-28.42	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

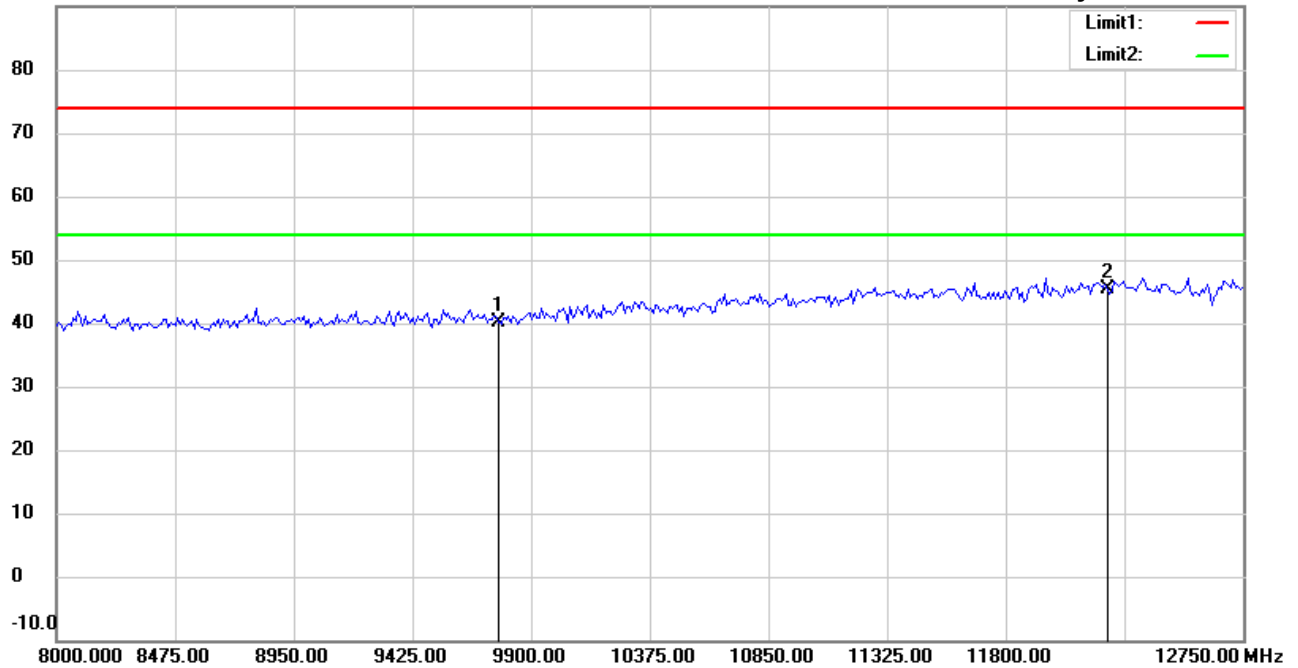
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:05:18 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	33.34	peak	6.77	40.11	74.00	150	100	-33.89	
*	12205.000	32.50	peak	12.81	45.31	74.00	150	75	-28.69	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

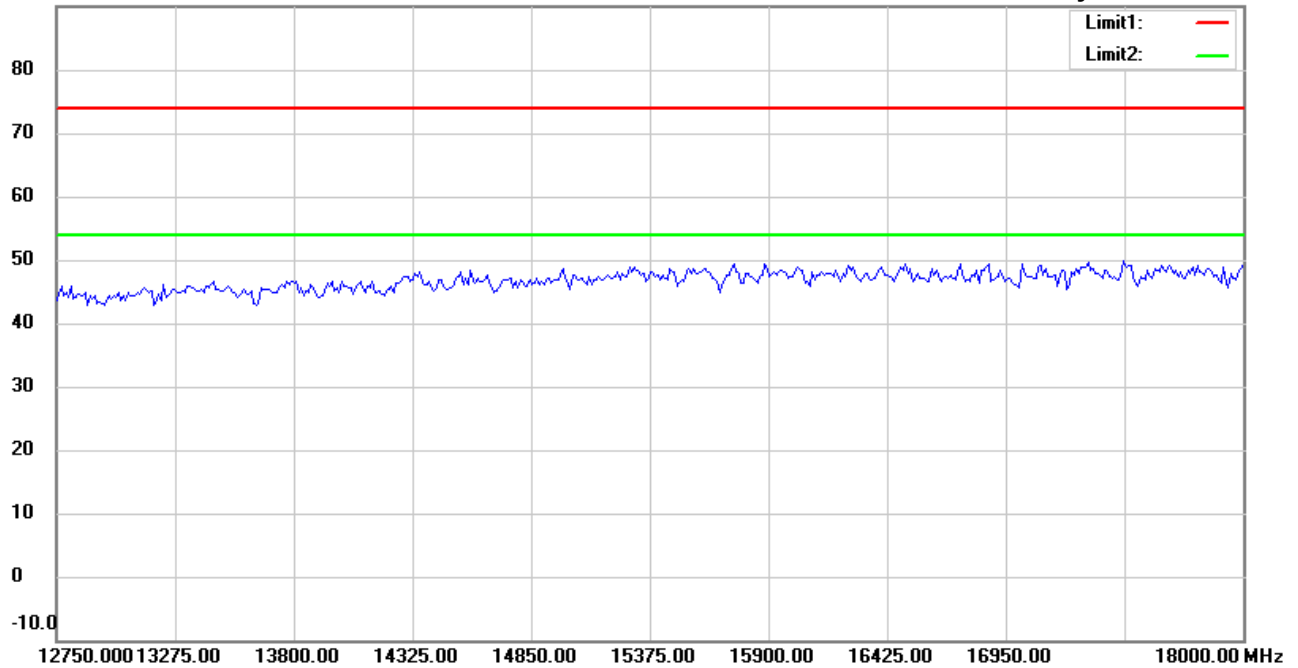
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:02:55 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

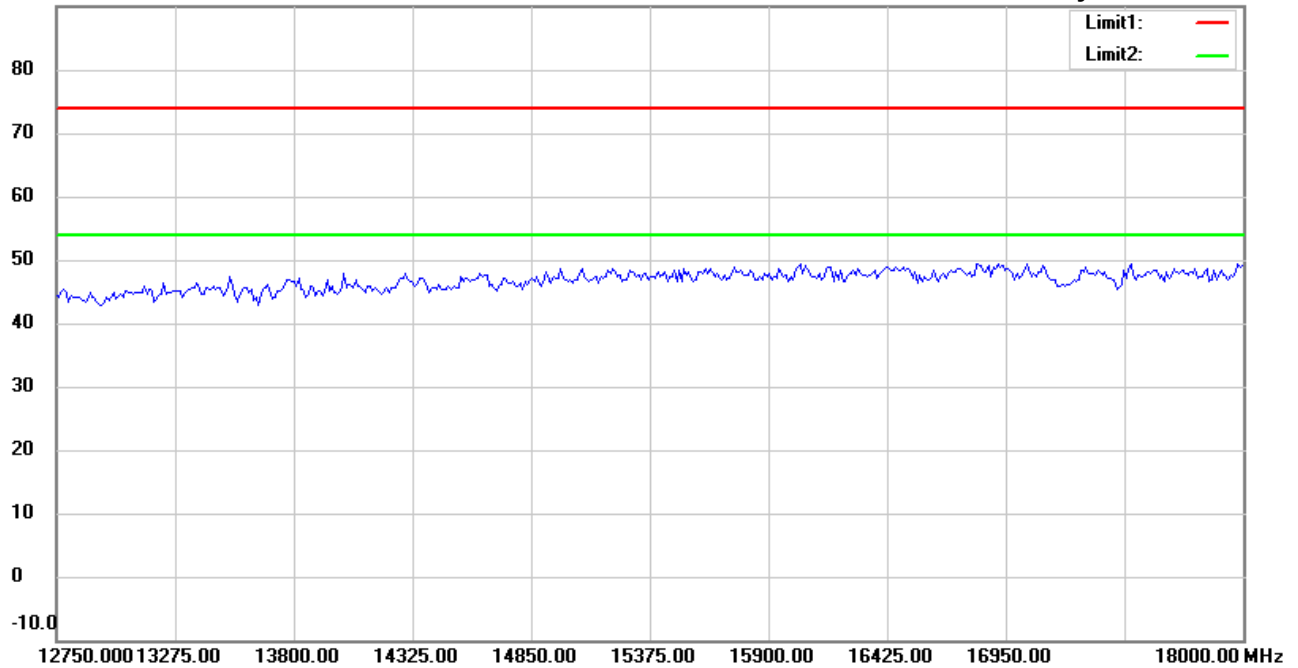
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:06:20 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

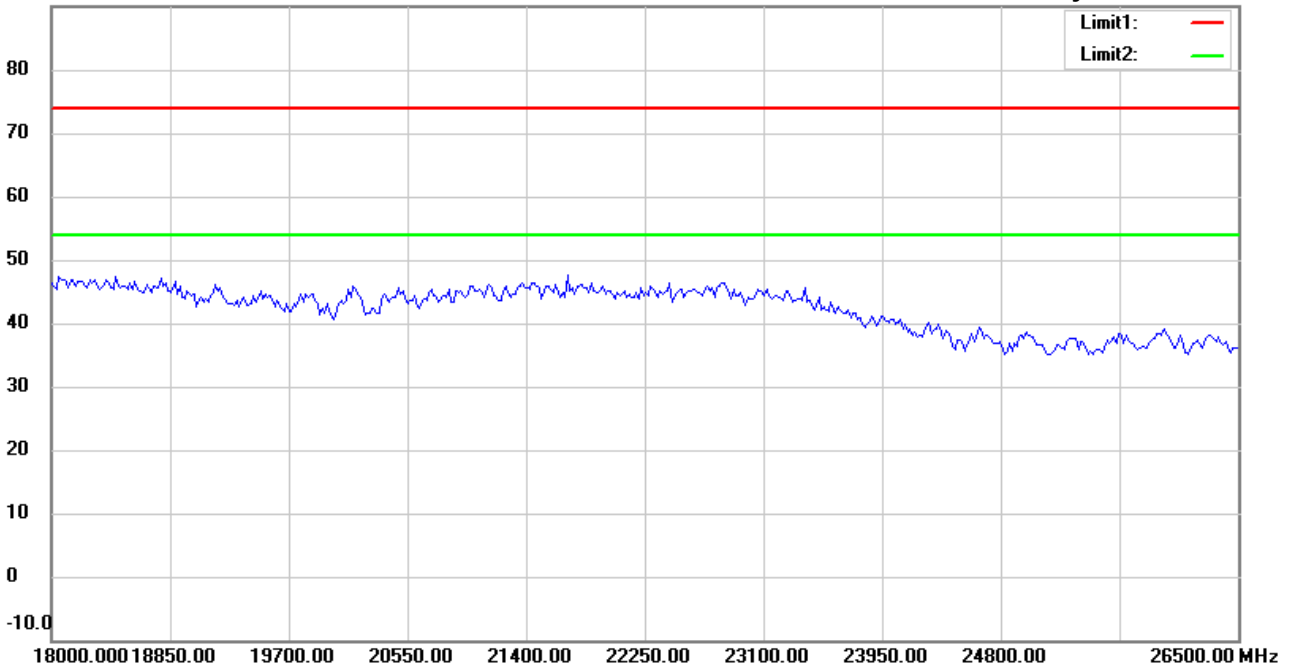
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:03:04 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

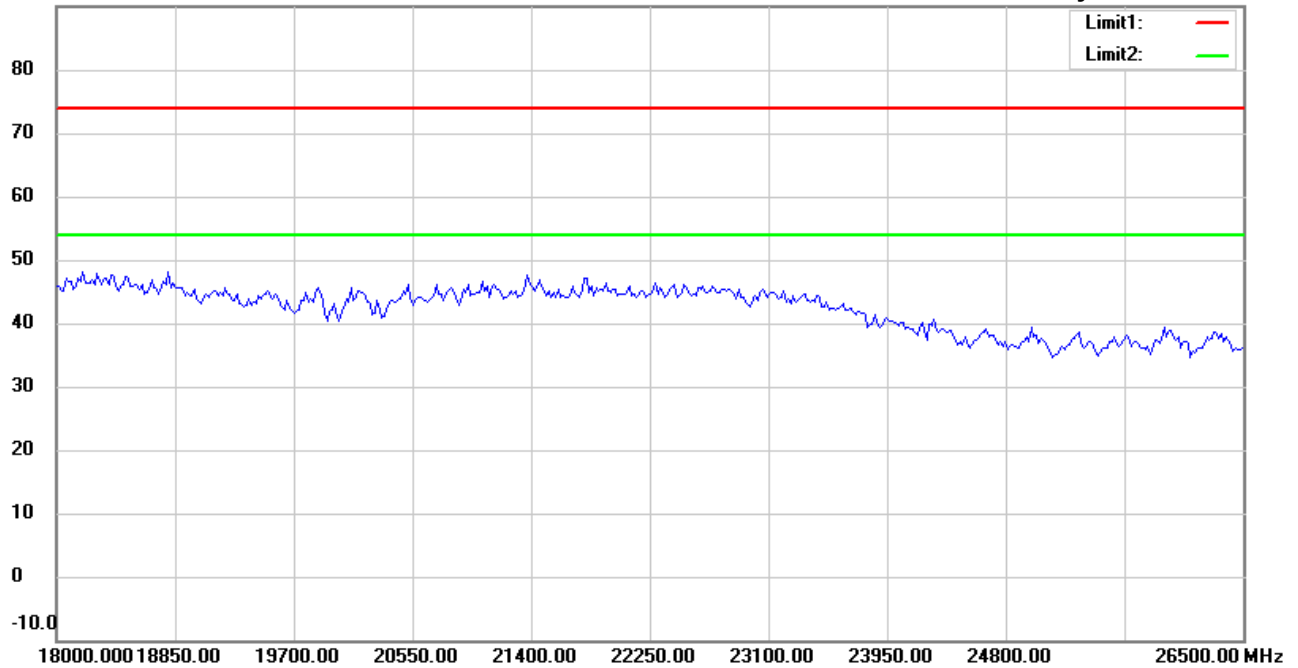
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:06:30 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

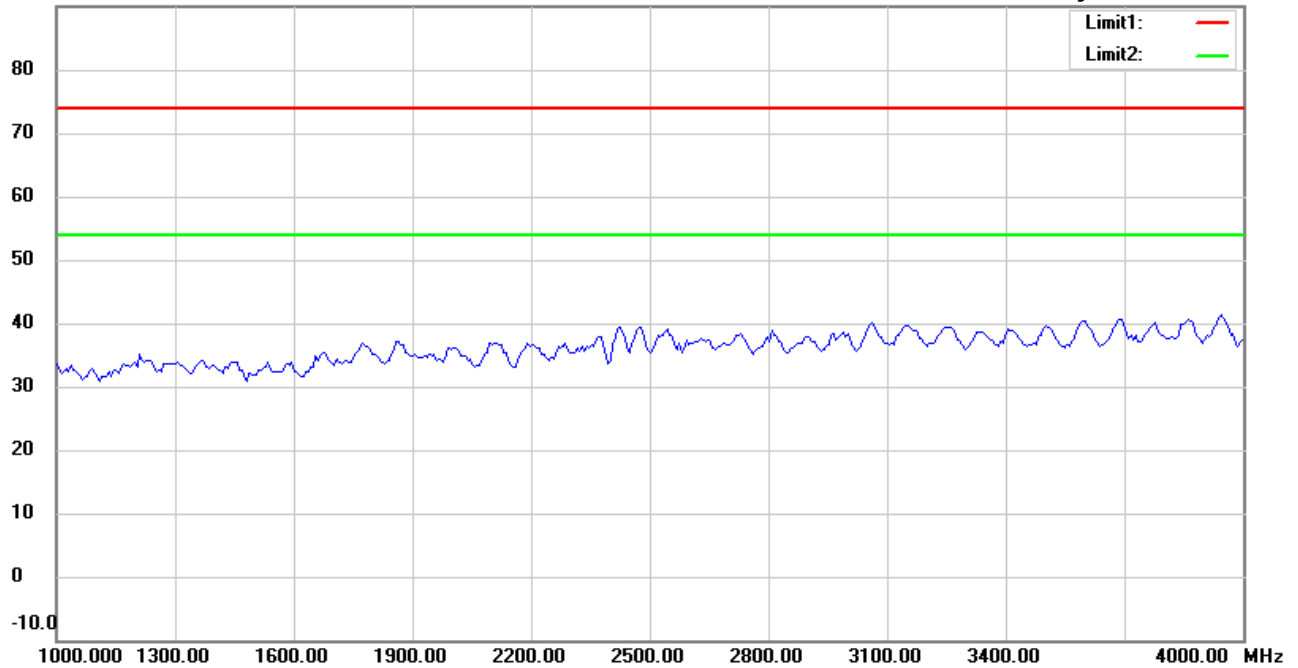
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:10:25 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

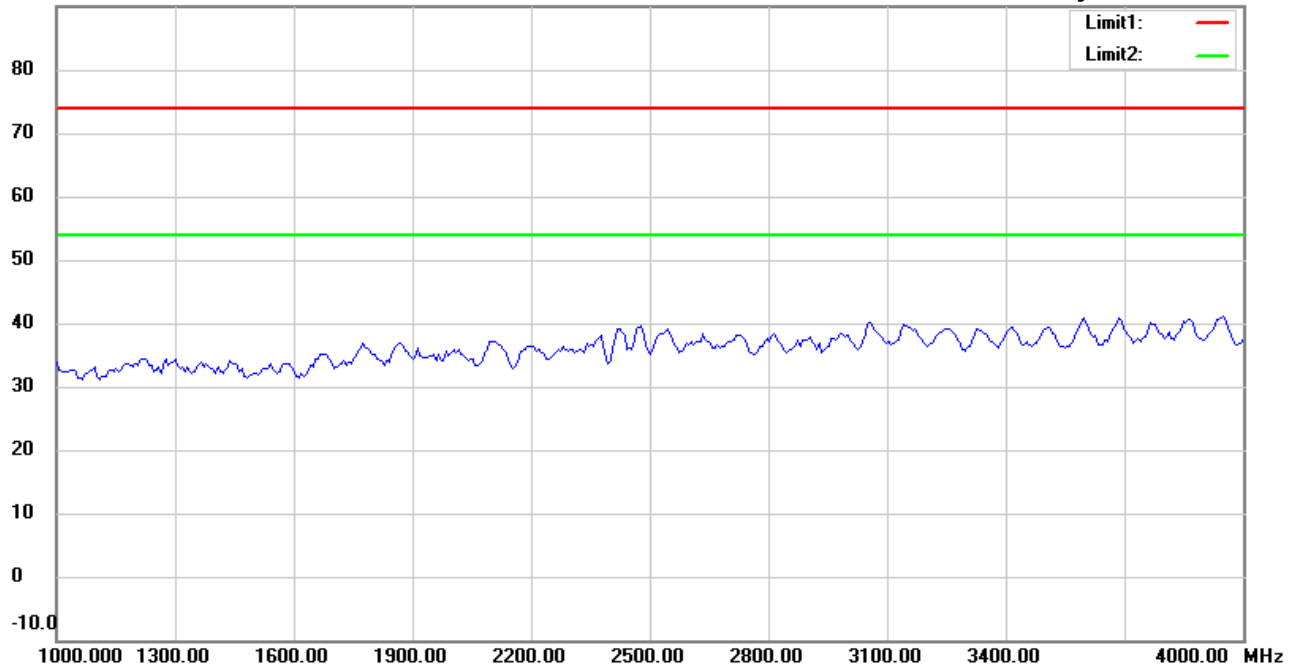
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:13:46 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

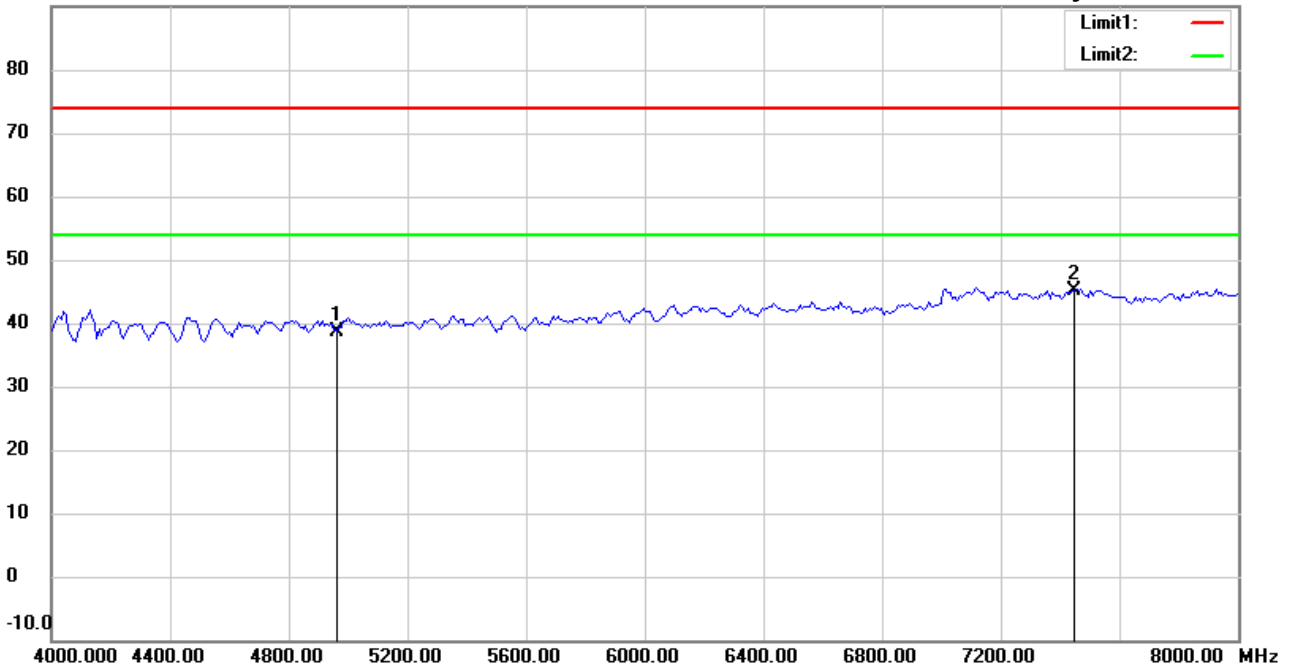
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:11:25 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	39.99	peak	-1.35	38.64	74.00	150	5	-35.36	
*	7440.000	41.52	peak	3.72	45.24	74.00	150	235	-28.76	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

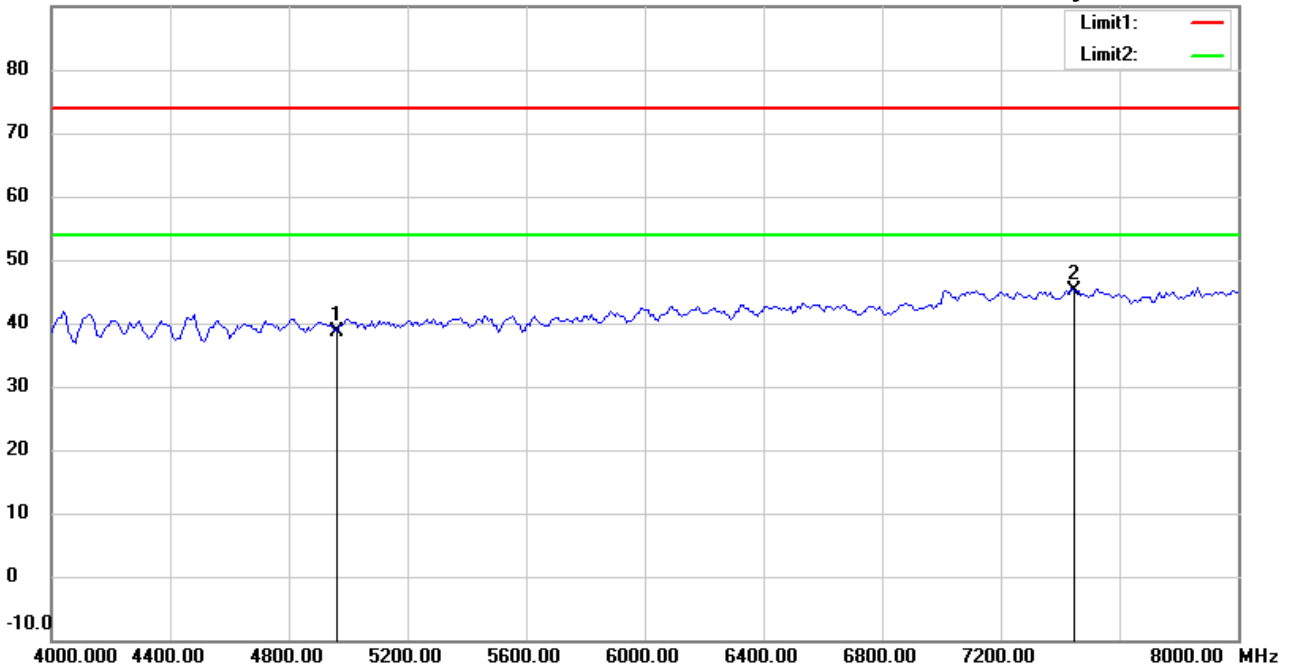
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:14:46 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	39.98	peak	-1.35	38.63	74.00	150	30	-35.37	
*	7440.000	41.33	peak	3.72	45.05	74.00	150	0	-28.95	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

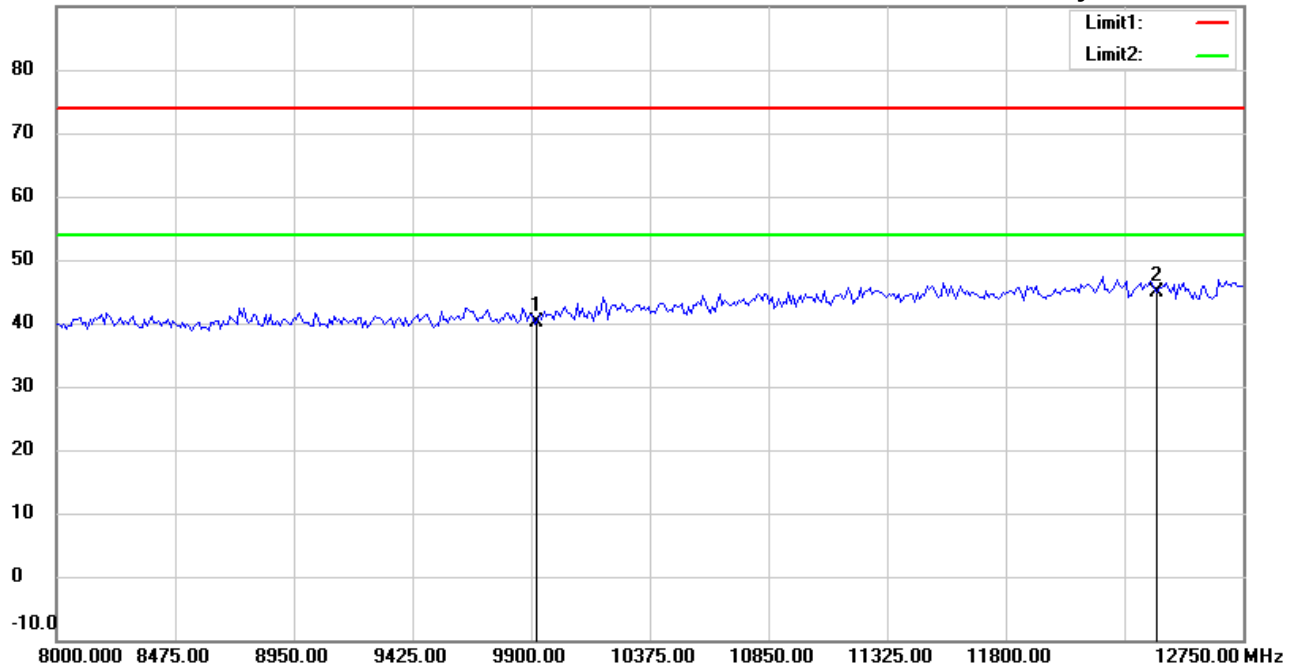
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:11:38 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	32.85	peak	7.16	40.01	74.00	150	300	-33.99	
*	12400.000	32.09	peak	12.75	44.84	74.00	150	140	-29.16	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

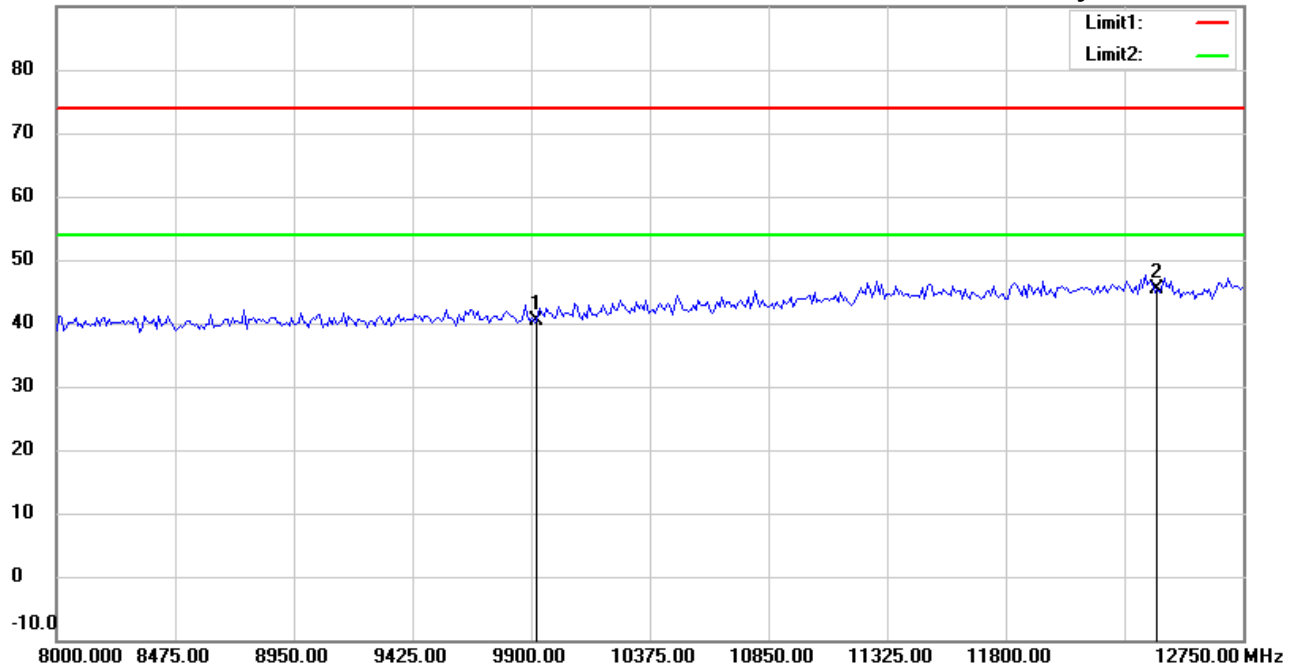
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:14:59 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.17	peak	7.16	40.33	74.00	150	210	-33.67	
*	12400.000	32.55	peak	12.75	45.30	74.00	150	60	-28.70	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

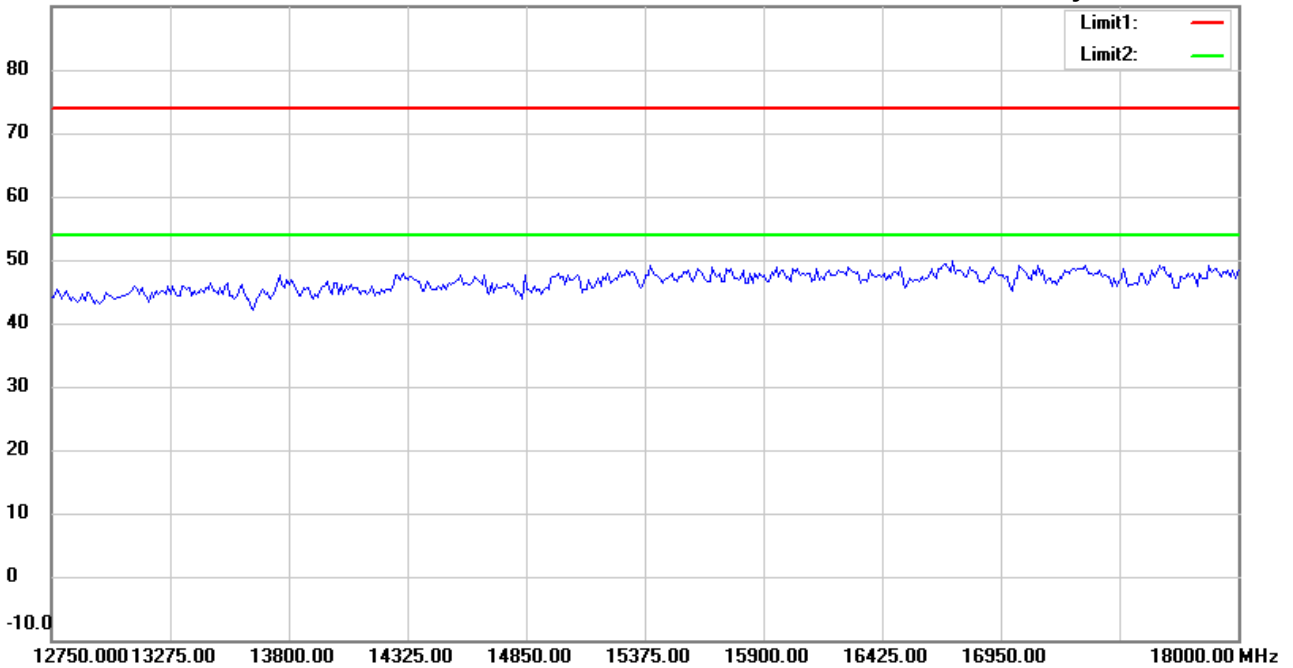
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:12:36 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

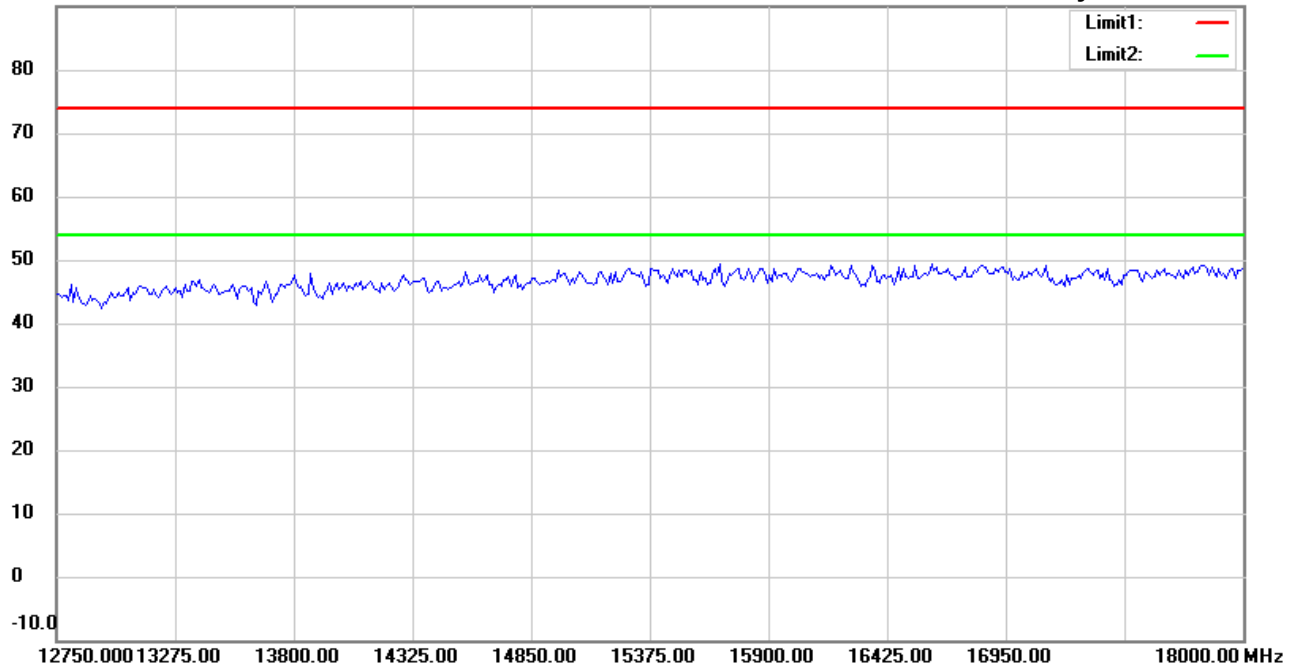
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:16:01 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

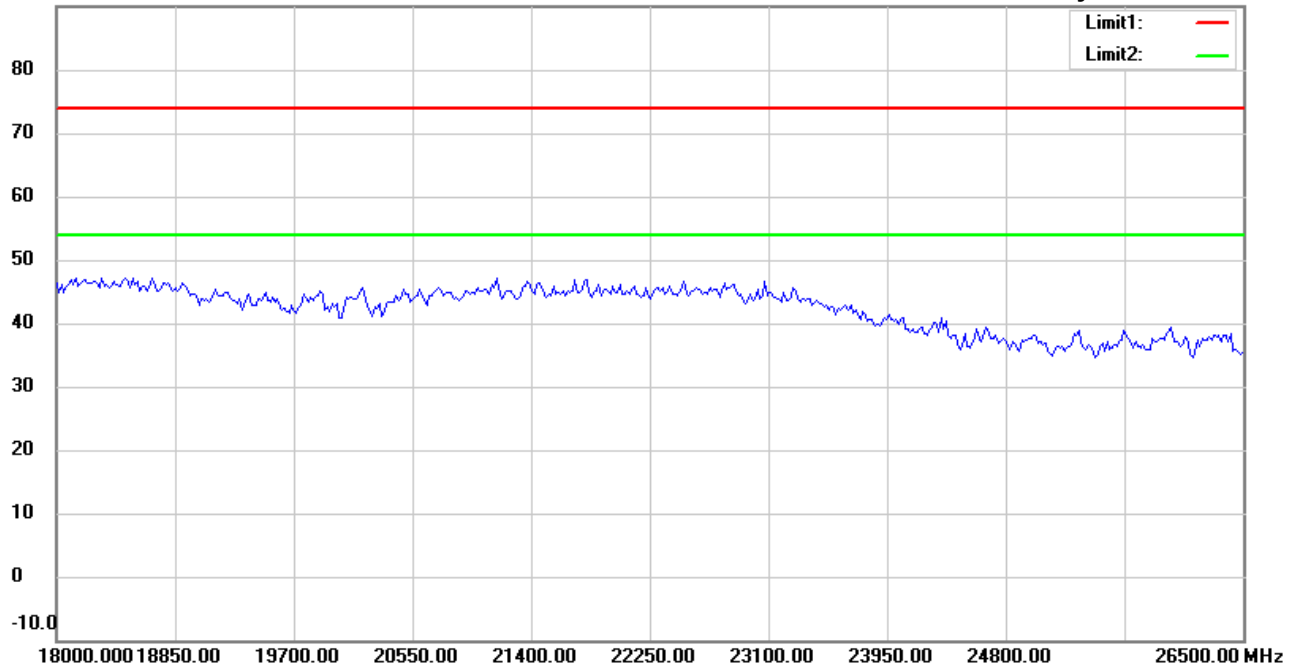
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:12:46 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

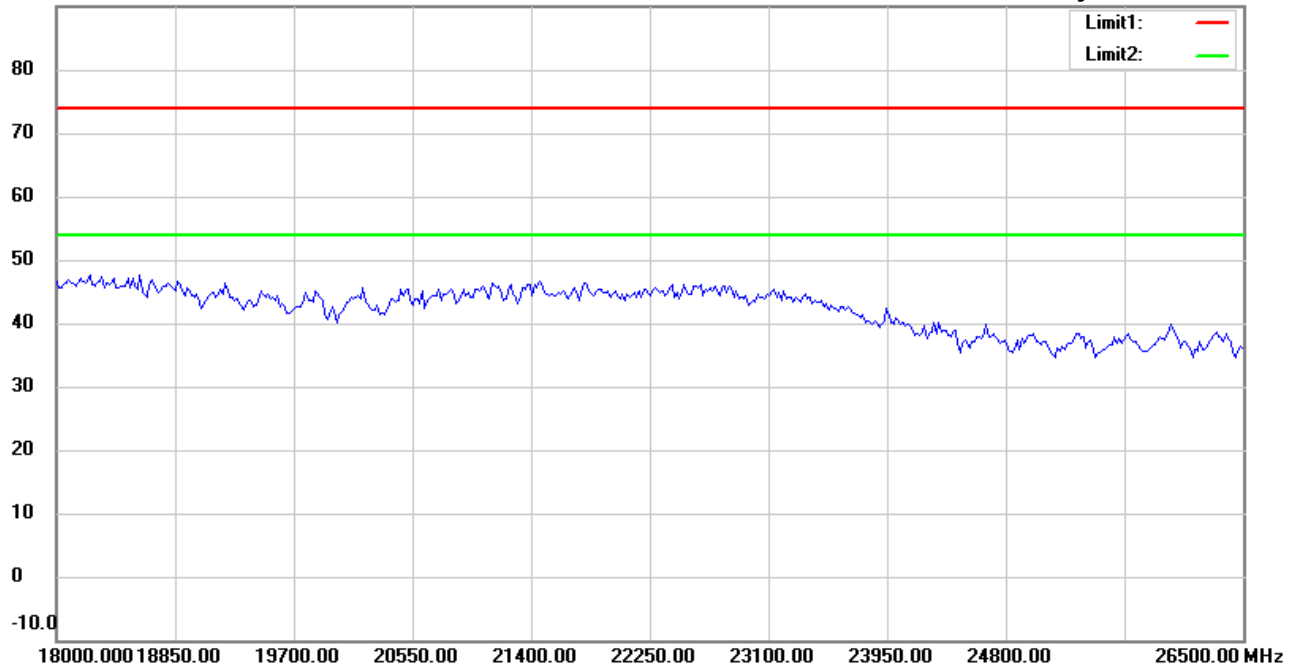
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:16:11 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :1_BLE_TX

Data :#1

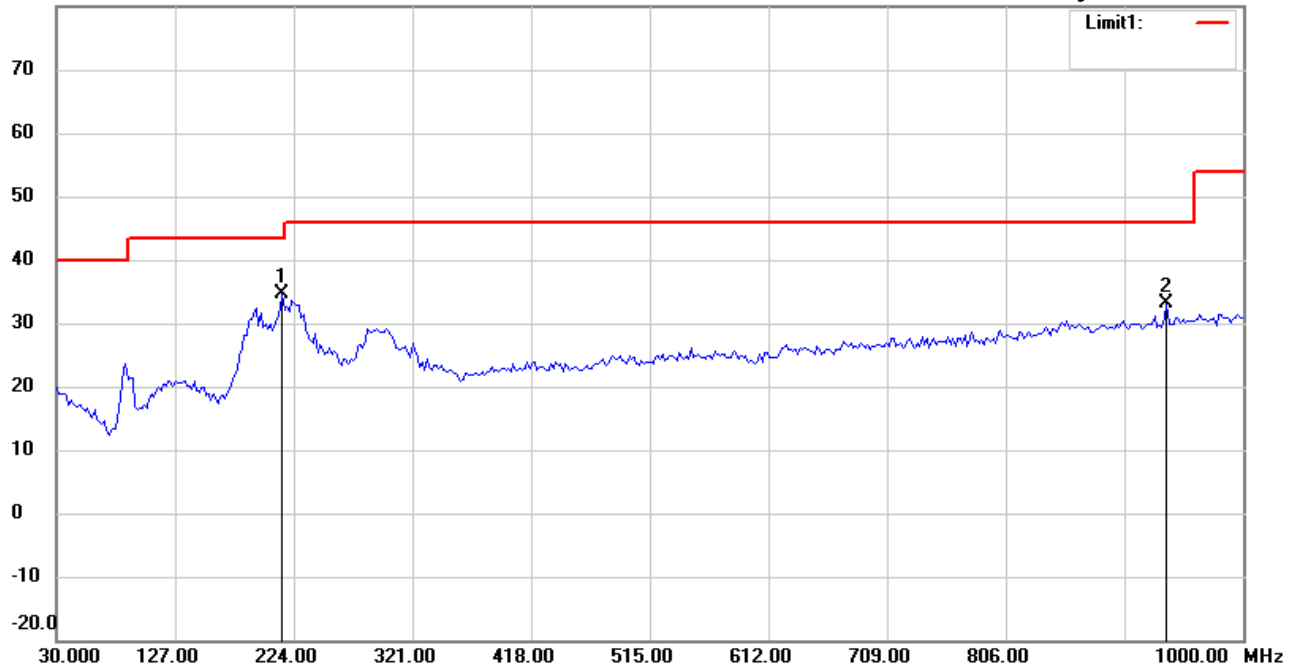
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:06:35 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	214.6692	45.01	peak	-10.49	34.52	43.50	100	180	-8.98	
	937.7956	29.14	peak	3.97	33.11	46.00	100	265	-12.89	



Radiated Emission Measurement

Operator: Allen

File :1_BLE_TX

Data :#2

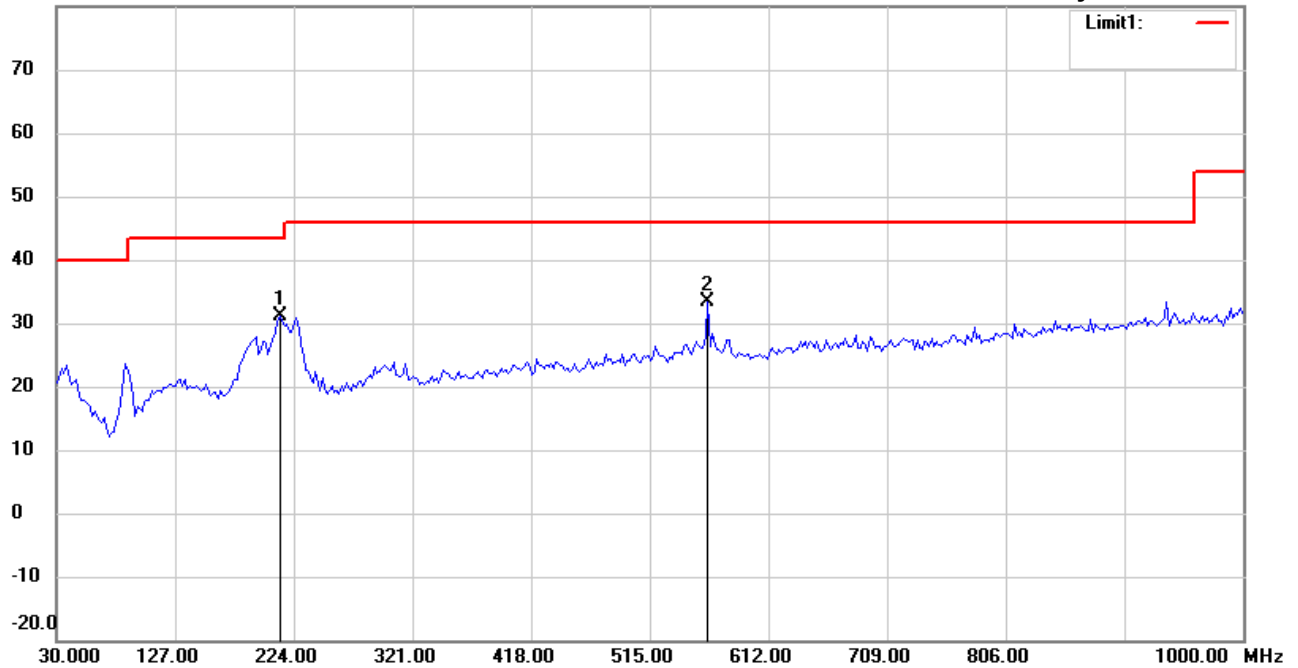
Date: 2/18/2020

Temperature:19.2 °C

80.0 dBuV/m

Time: 2:07:35 AM

Humidity:42.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	212.7255	41.75	peak	-10.61	31.14	43.50	100	105	-12.36	
	562.6253	35.52	peak	-2.16	33.36	46.00	100	50	-12.64	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

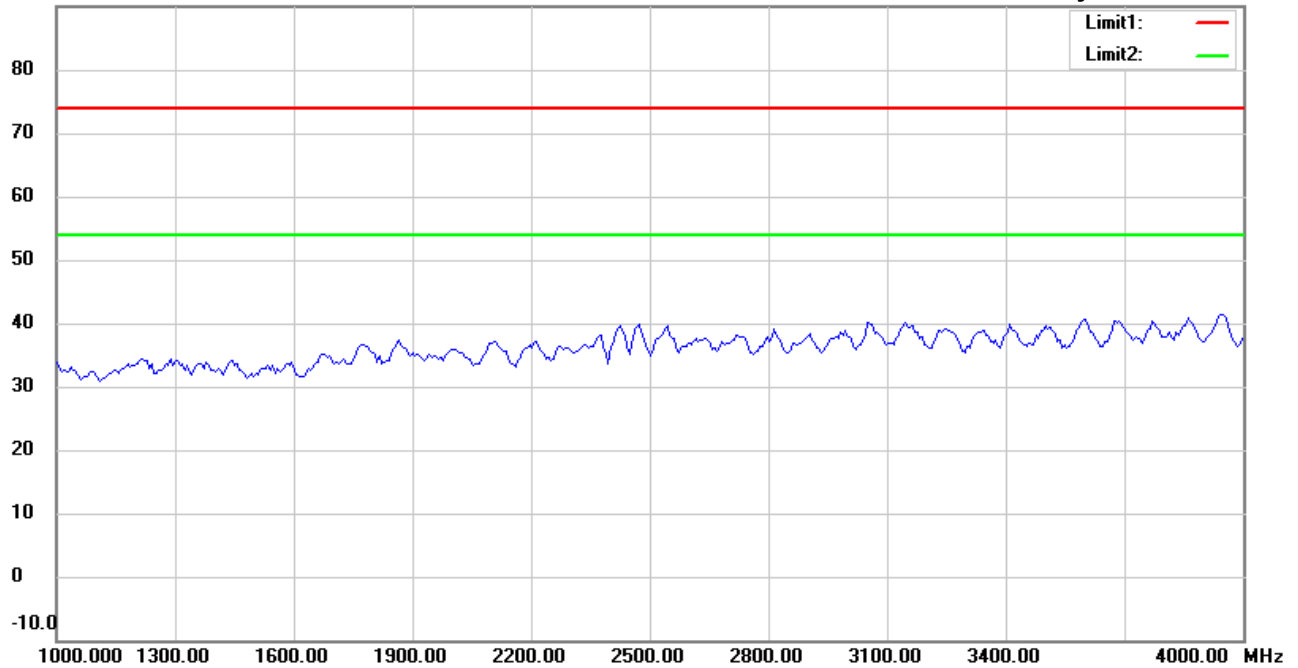
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:20:24 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

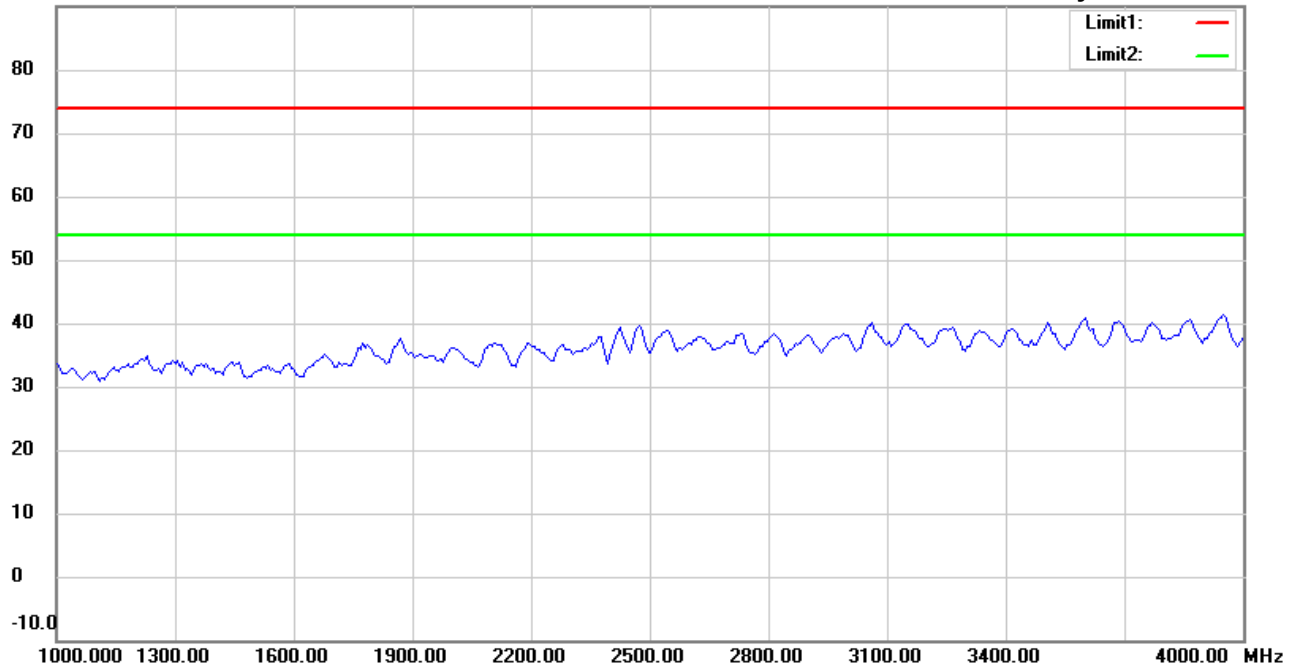
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:23:45 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

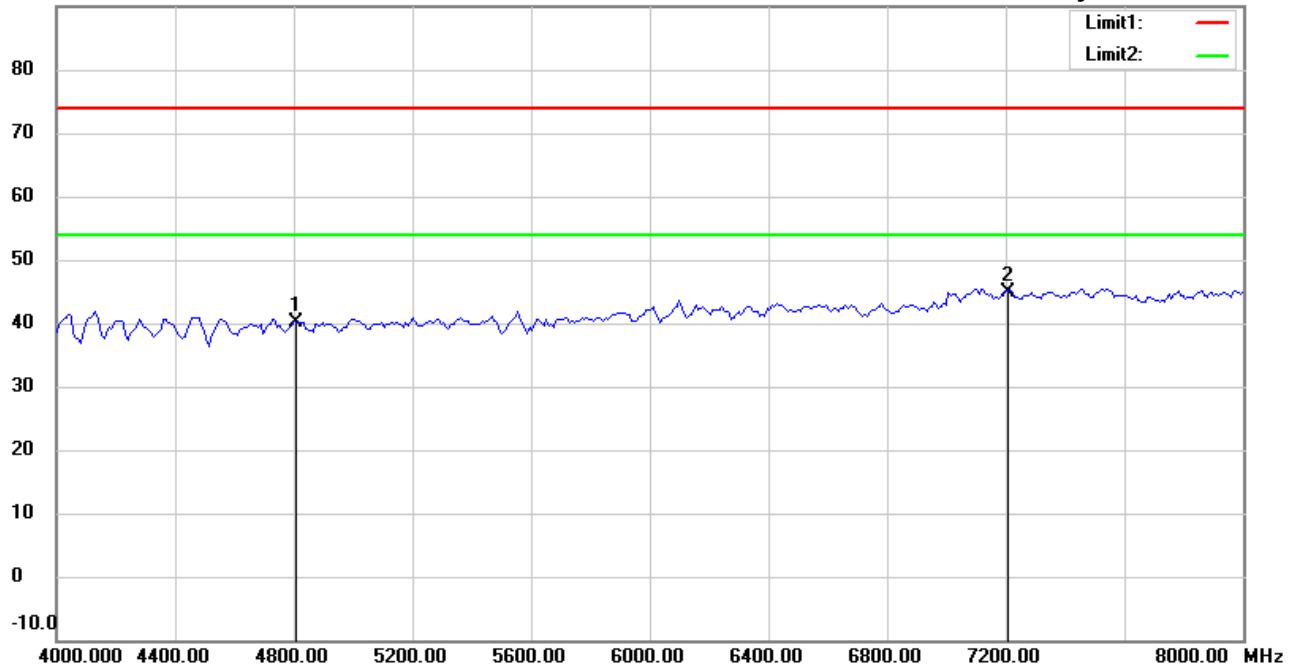
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:21:24 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.05	peak	-1.95	40.10	74.00	150	0	-33.90	
*	7206.000	41.63	peak	3.24	44.87	74.00	150	90	-29.13	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

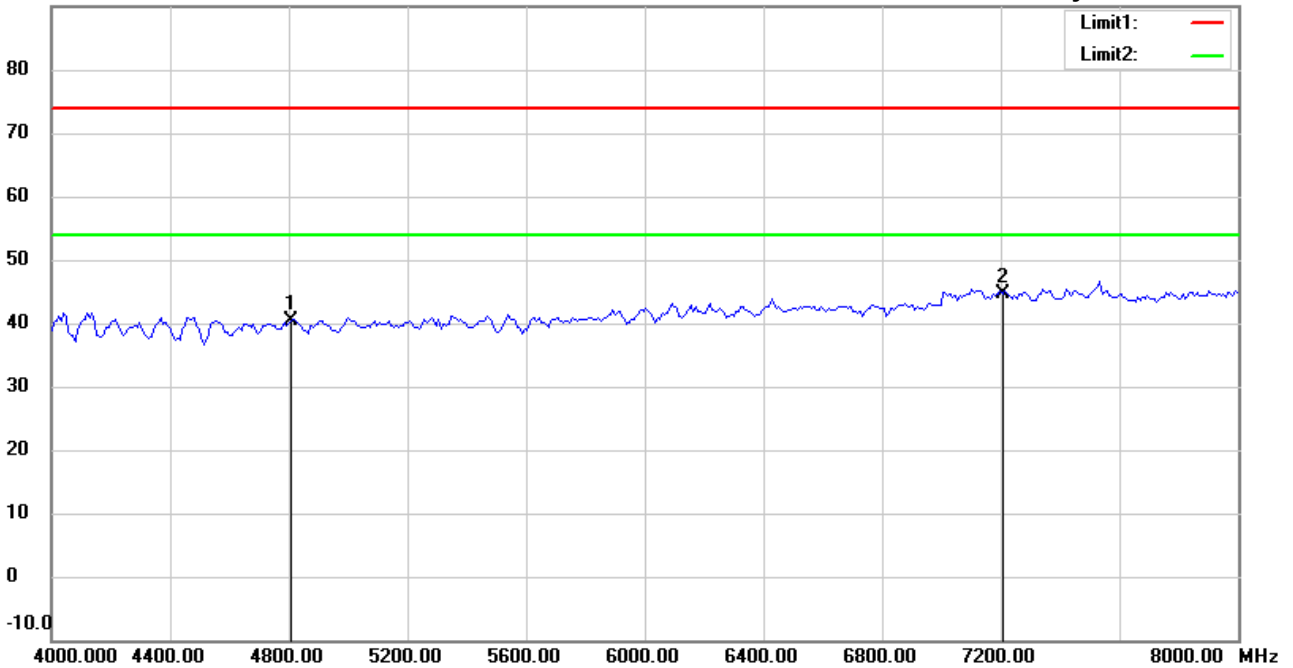
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:24:46 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.37	peak	-1.95	40.42	74.00	150	155	-33.58	
*	7206.000	41.40	peak	3.24	44.64	74.00	150	80	-29.36	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

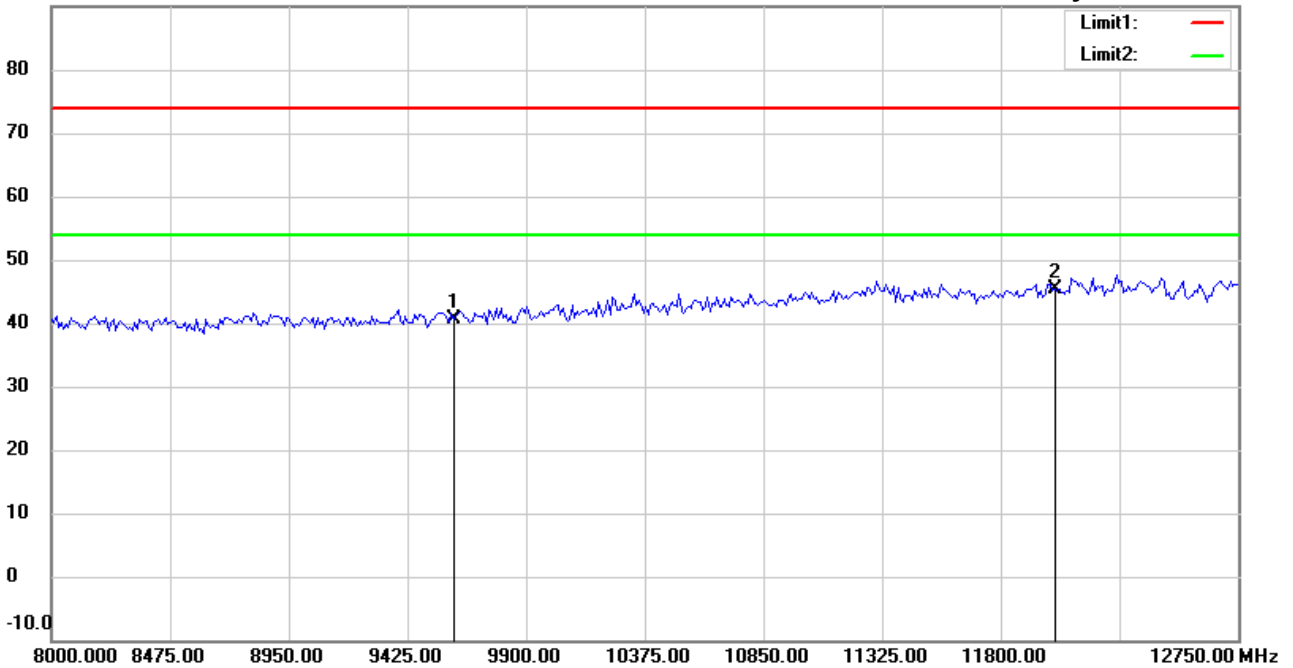
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:21:37 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.12	peak	6.53	40.65	74.00	150	100	-33.35	
*	12010.000	33.68	peak	11.62	45.30	74.00	150	30	-28.70	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

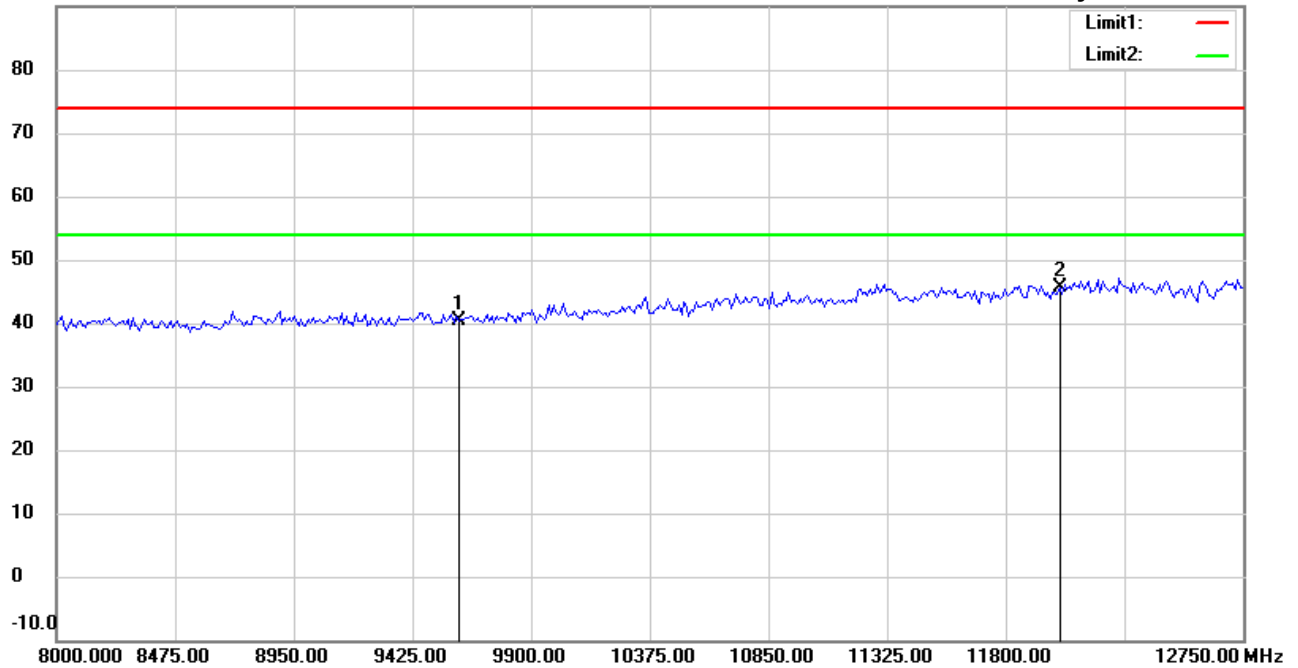
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:24:58 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	33.73	peak	6.53	40.26	74.00	150	210	-33.74	
*	12010.000	34.07	peak	11.62	45.69	74.00	150	190	-28.31	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

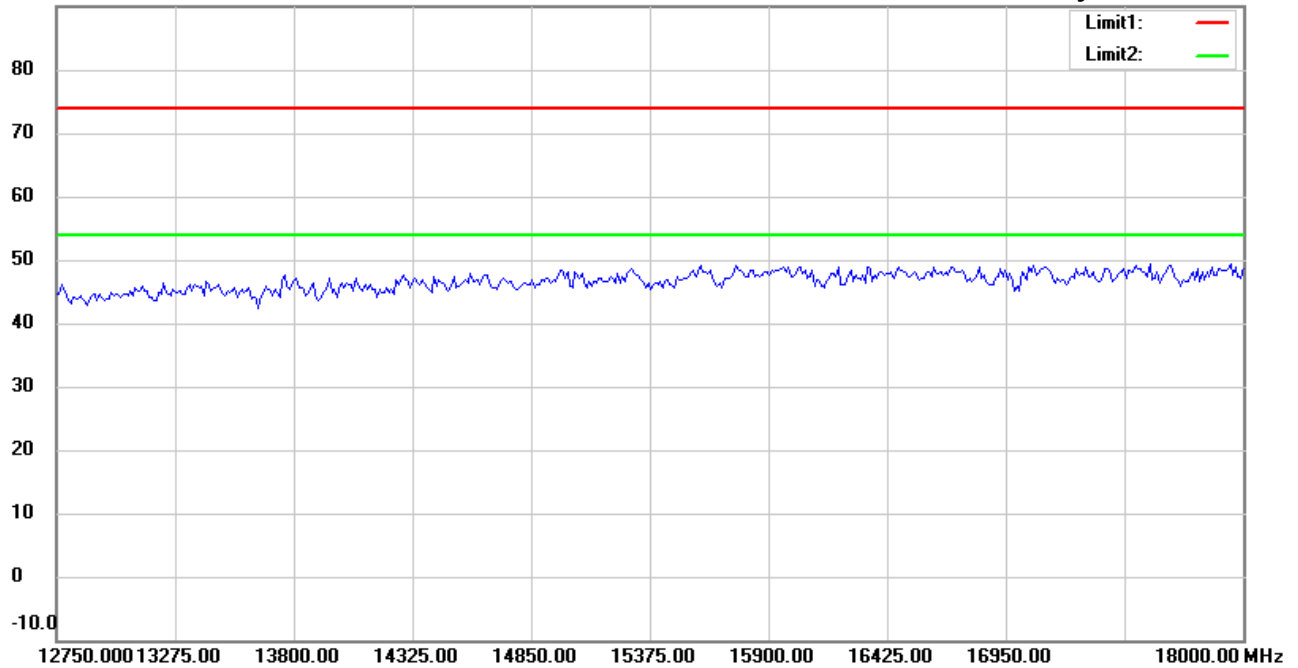
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:22:35 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

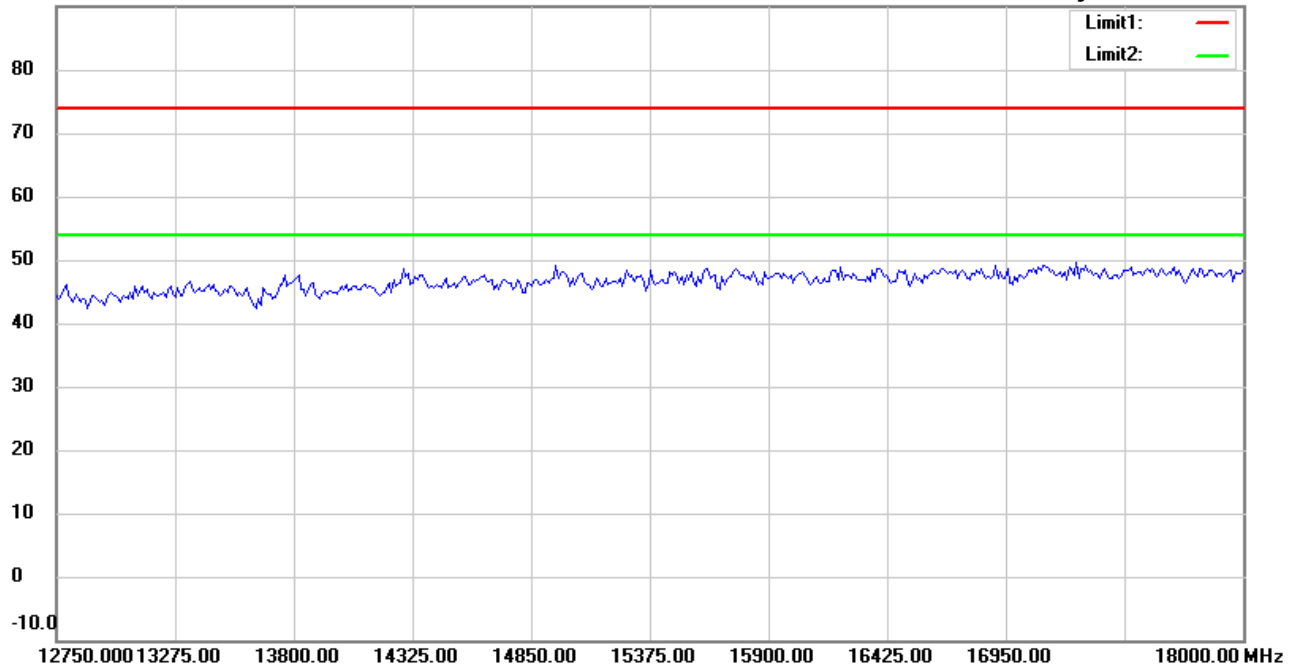
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:26:00 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

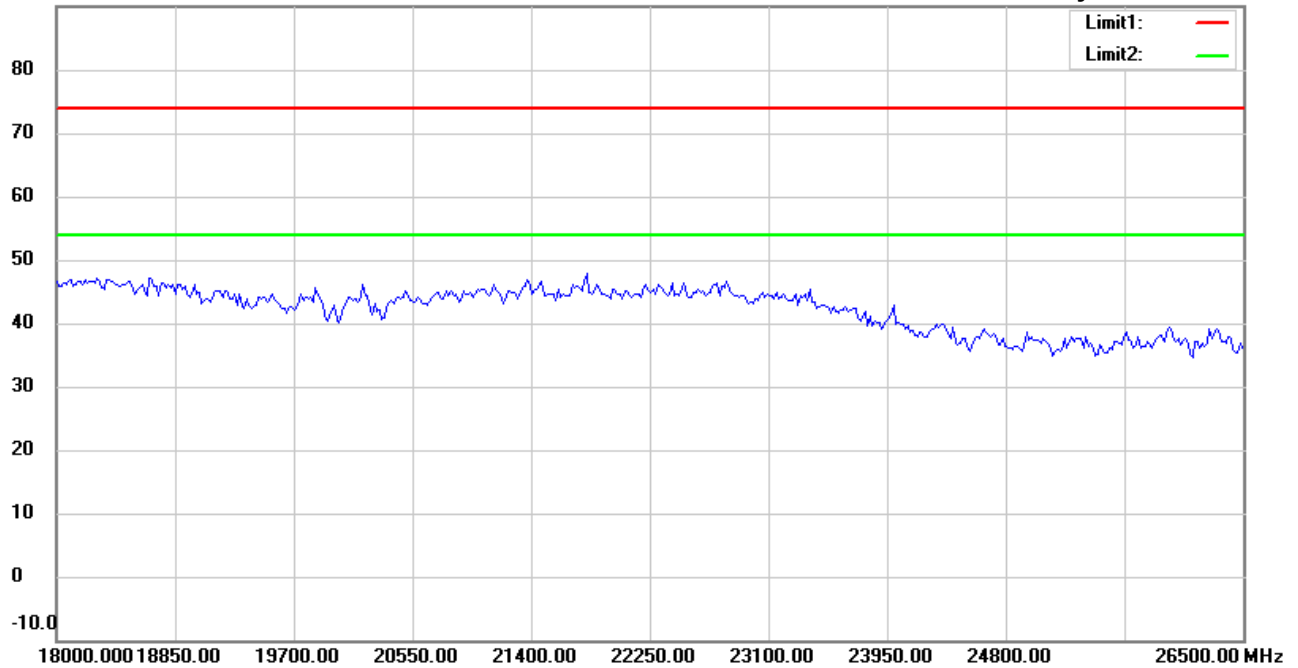
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:22:45 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

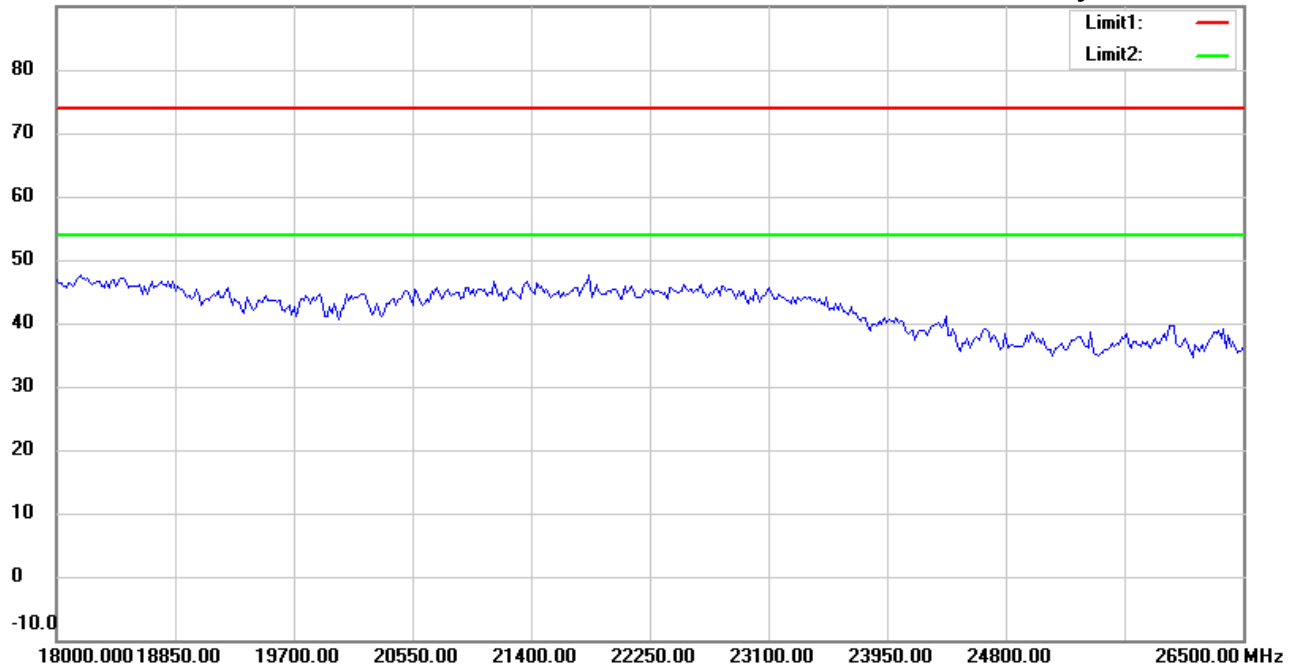
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:26:10 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

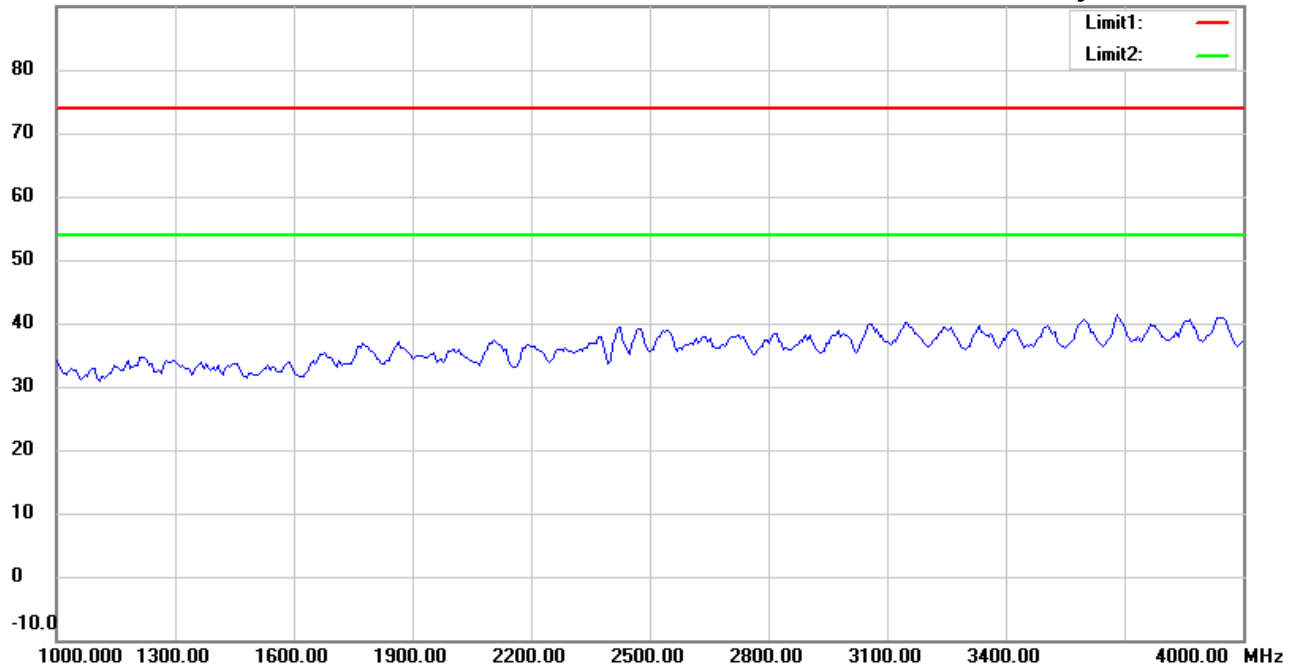
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:29:53 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

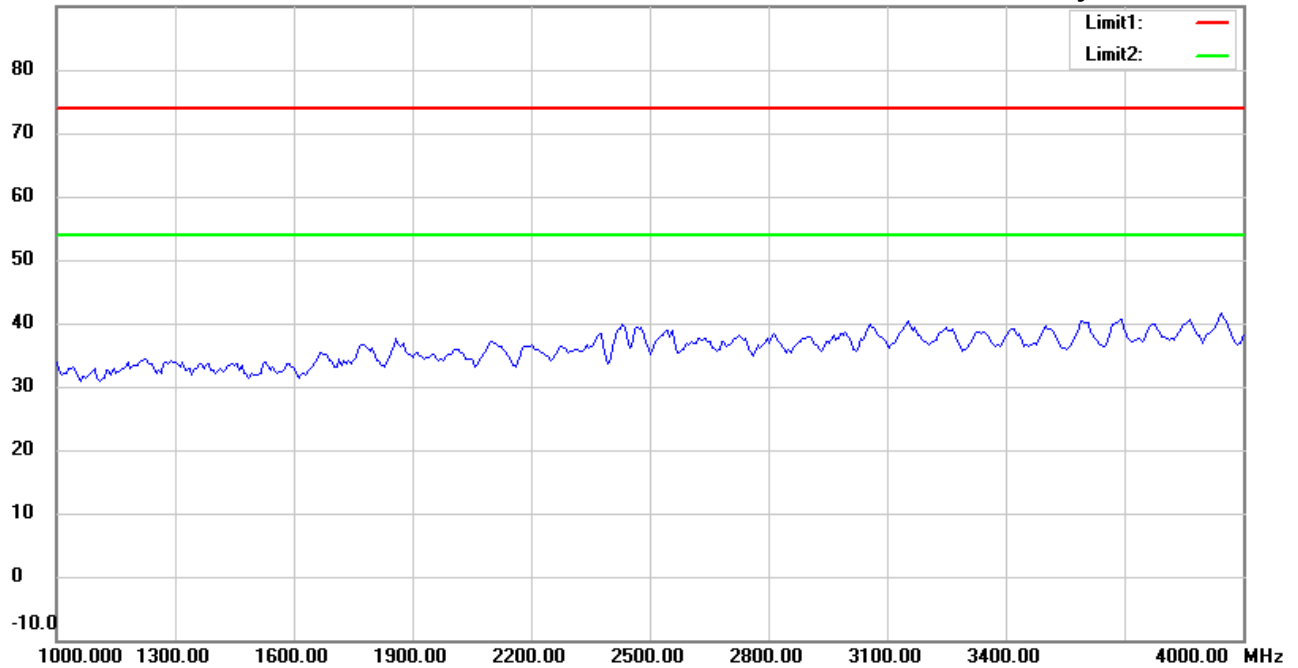
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:33:14 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

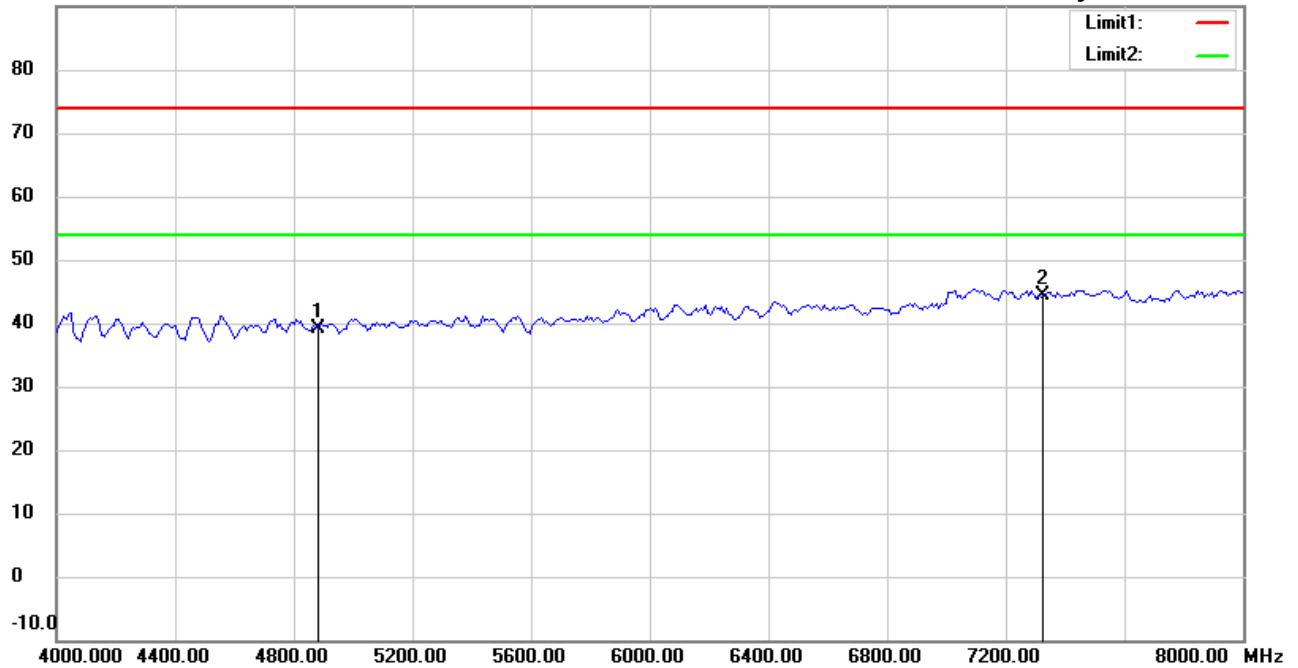
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:30:53 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4880.000	40.81	peak	-1.68	39.13	74.00	150	90	-34.87	
*	7320.000	40.89	peak	3.45	44.34	74.00	150	145	-29.66	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

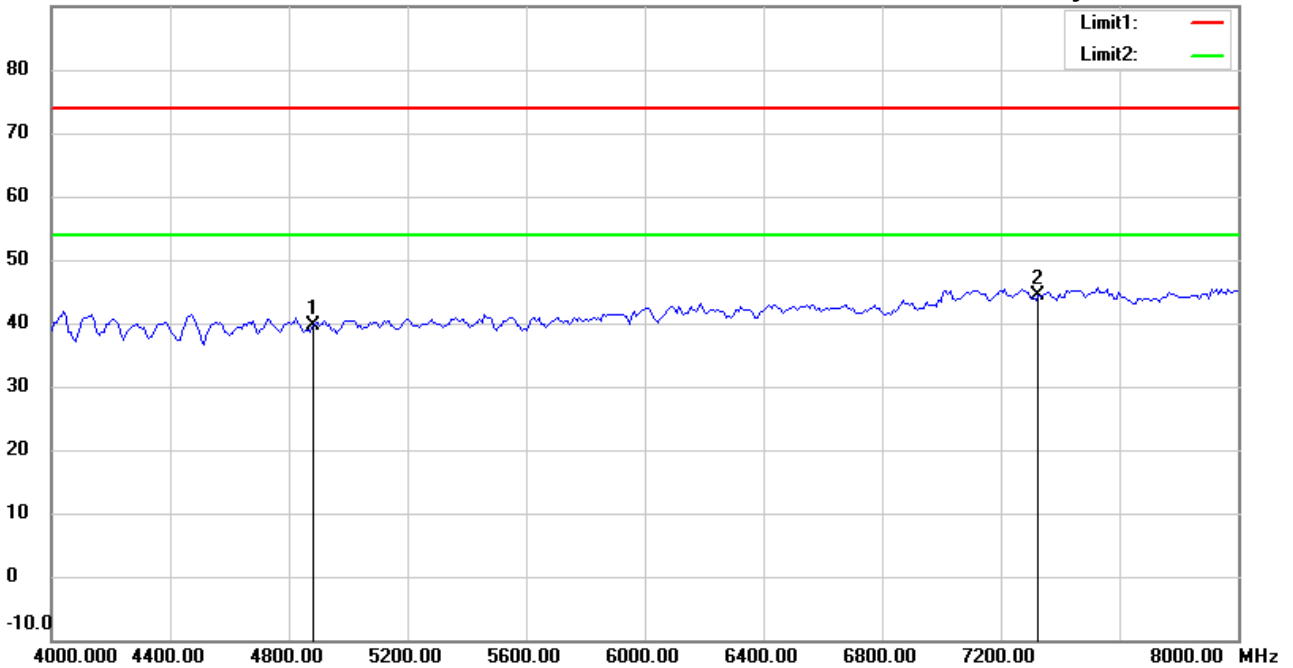
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:34:14 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4880.000	41.27	peak	-1.68	39.59	74.00	150	310	-34.41	
*	7320.000	41.01	peak	3.45	44.46	74.00	150	45	-29.54	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

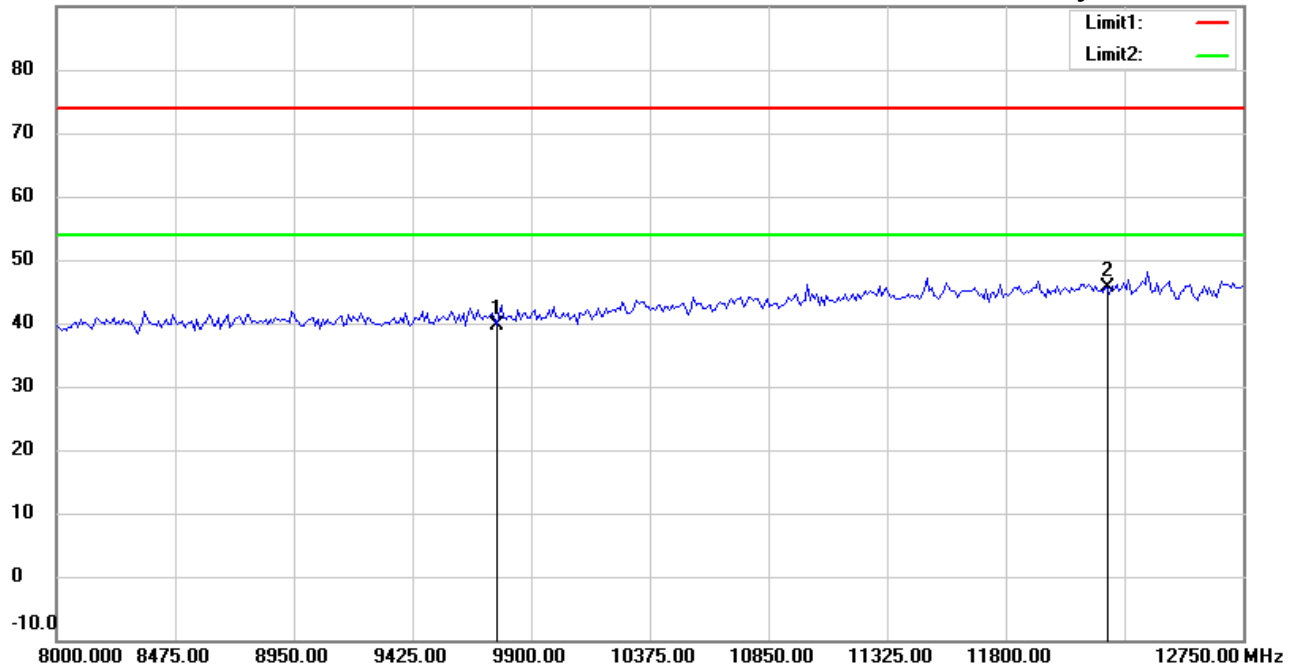
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:31:06 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	32.94	peak	6.76	39.70	74.00	150	160	-34.30	
*	12200.000	32.76	peak	12.85	45.61	74.00	150	335	-28.39	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

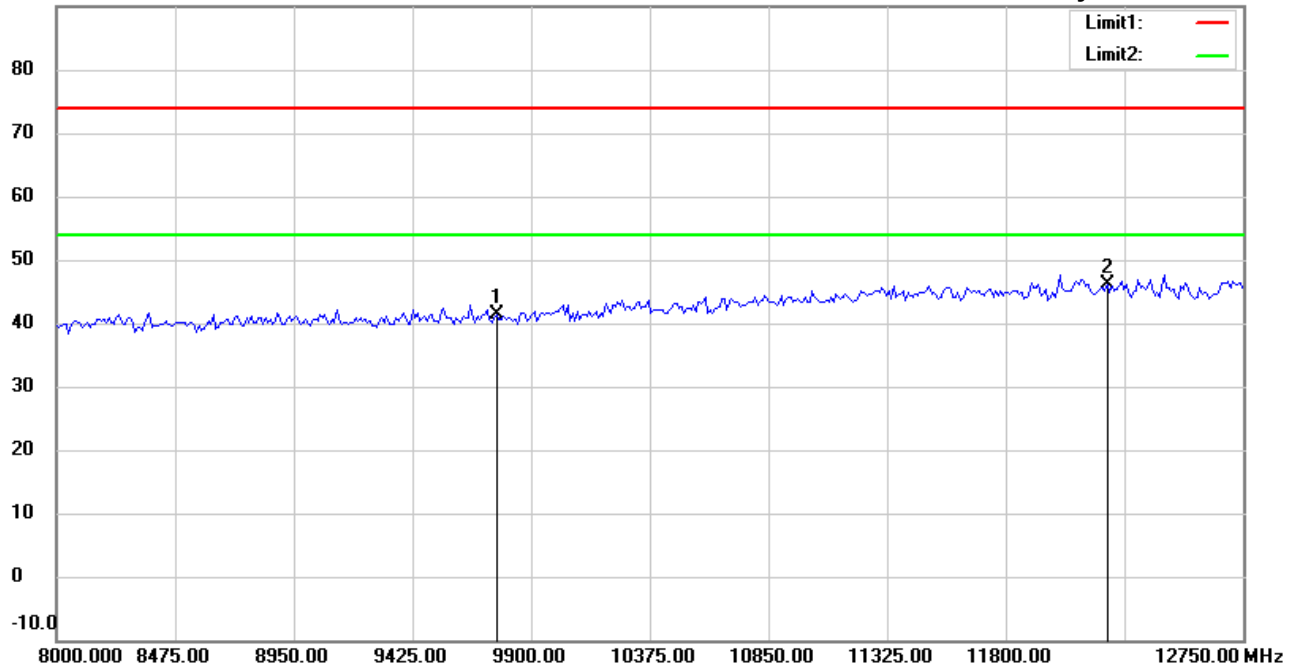
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:34:27 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	34.53	peak	6.76	41.29	74.00	150	190	-32.71	
*	12200.000	33.36	peak	12.85	46.21	74.00	150	145	-27.79	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

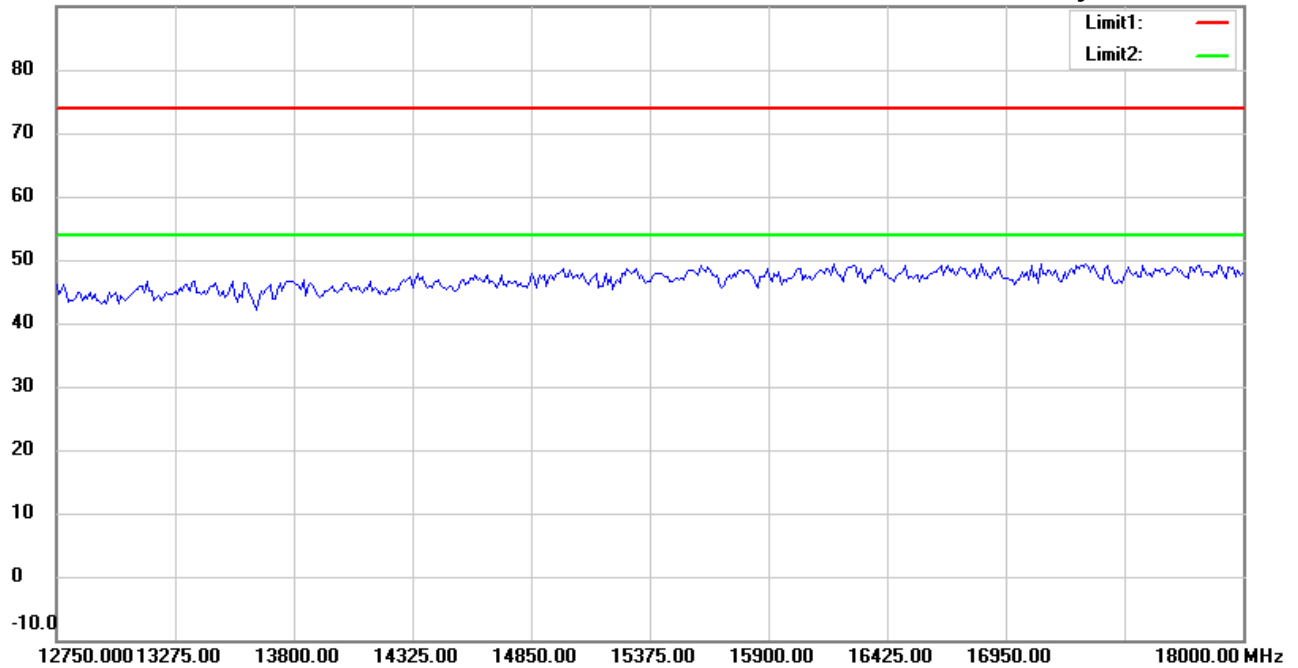
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:32:04 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

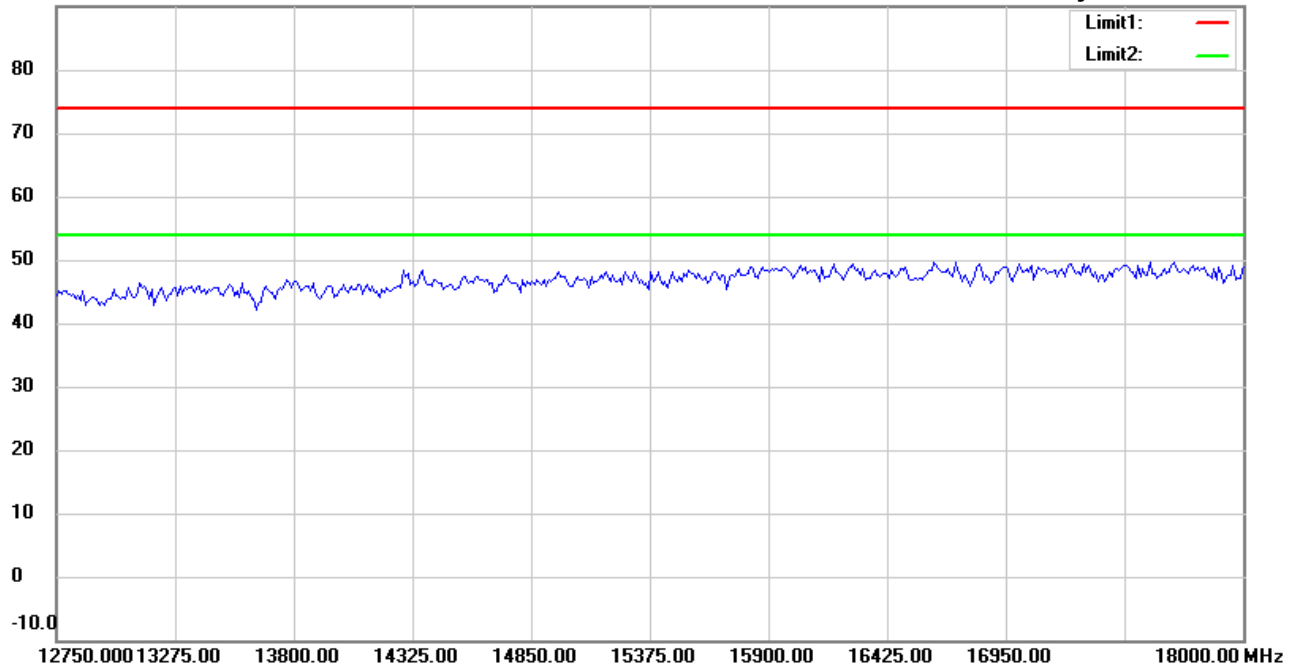
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:35:29 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

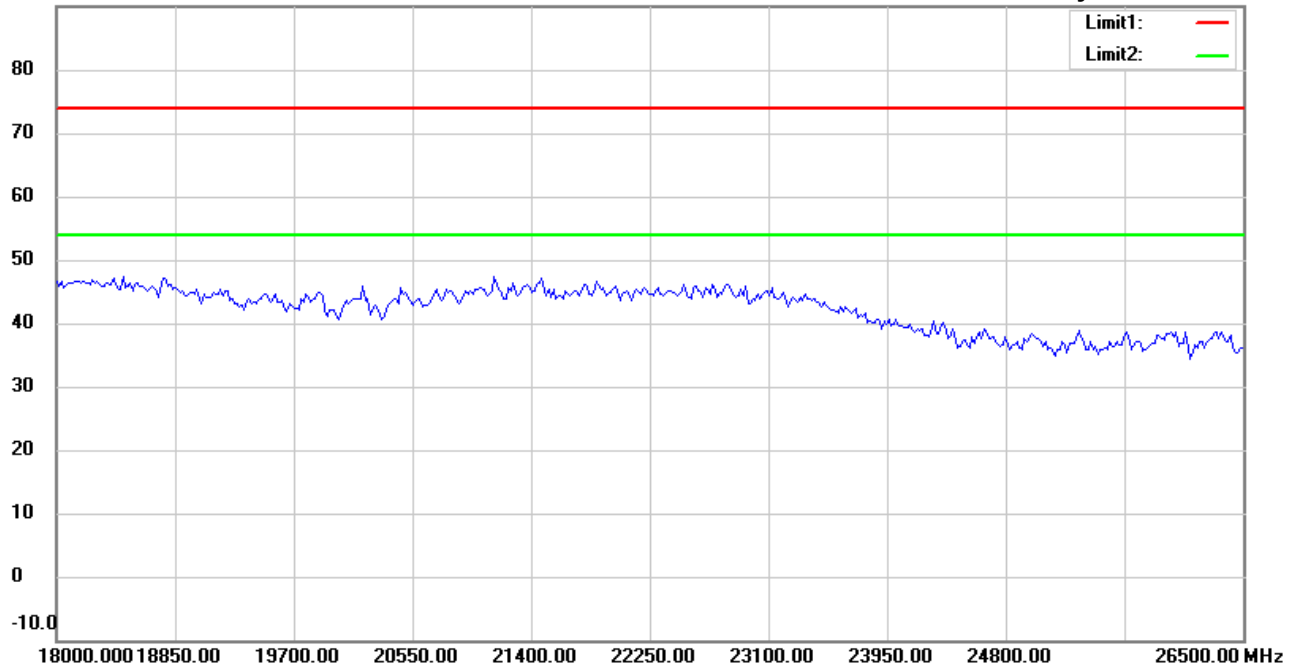
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:32:14 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

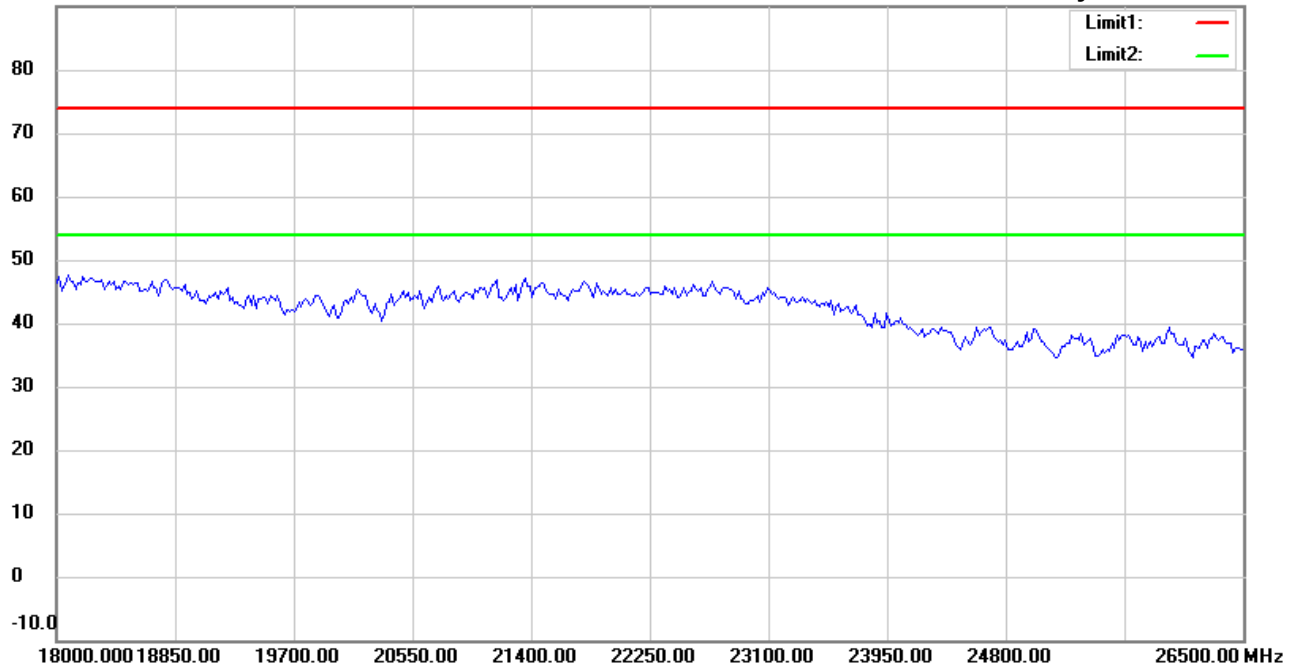
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:35:39 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

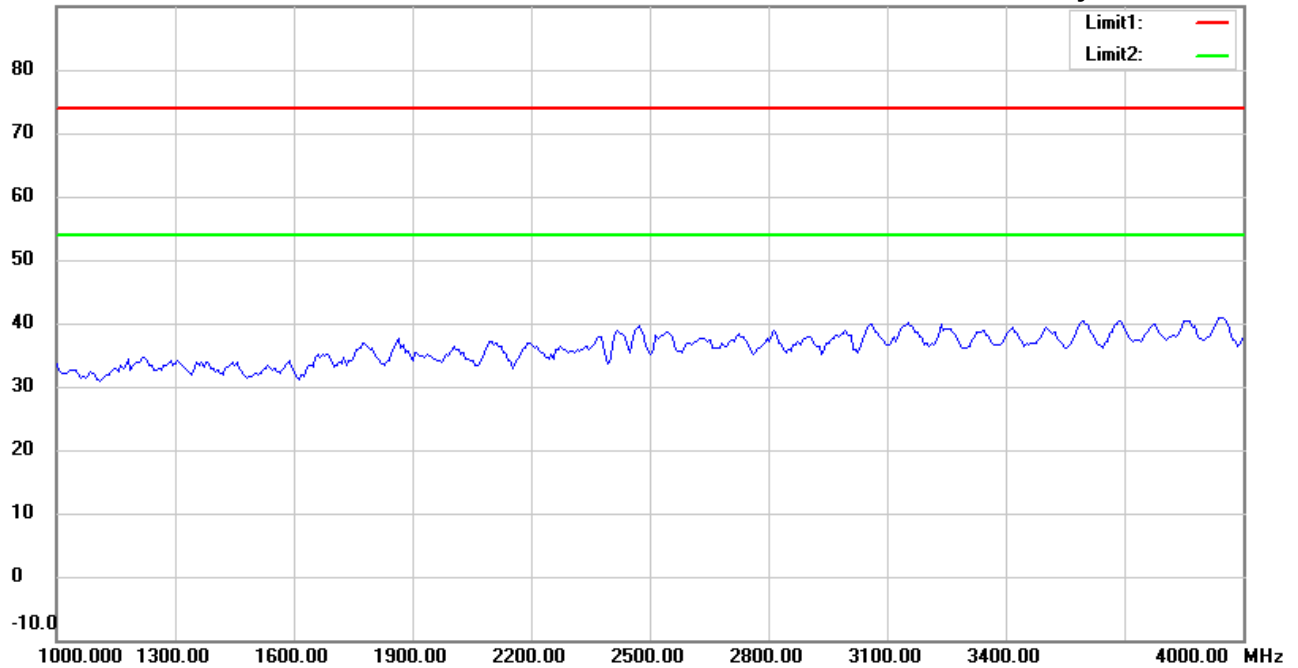
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:38:55 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

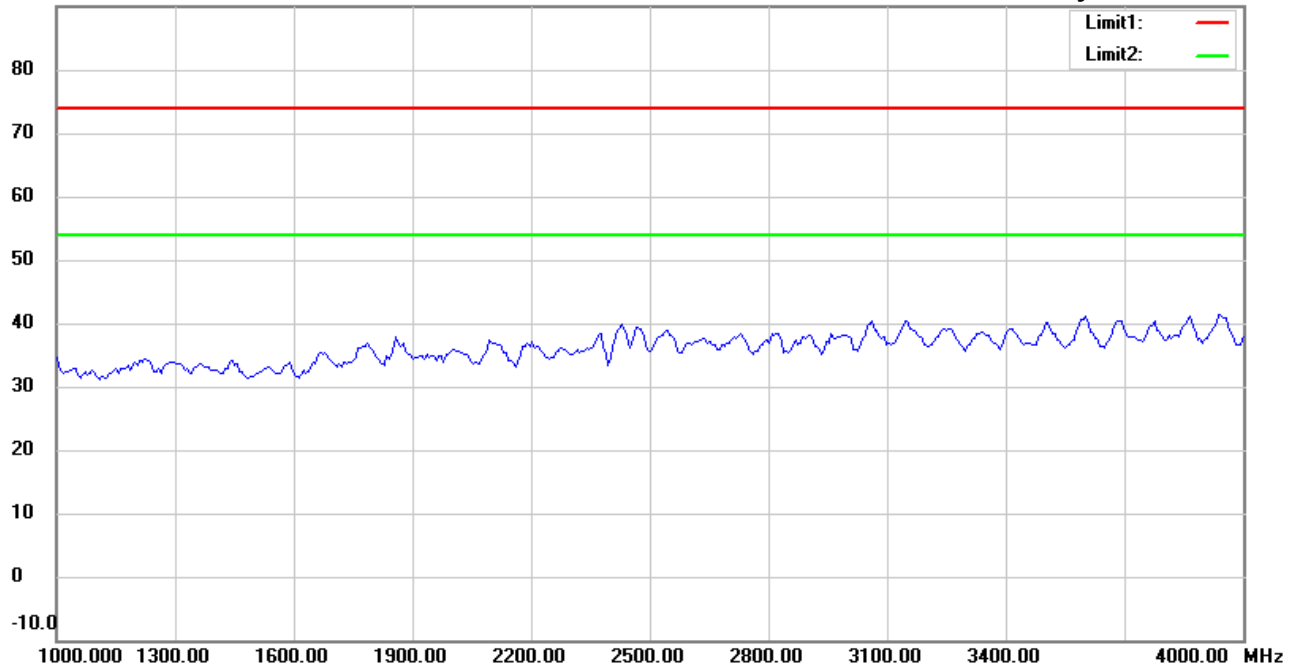
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:42:16 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

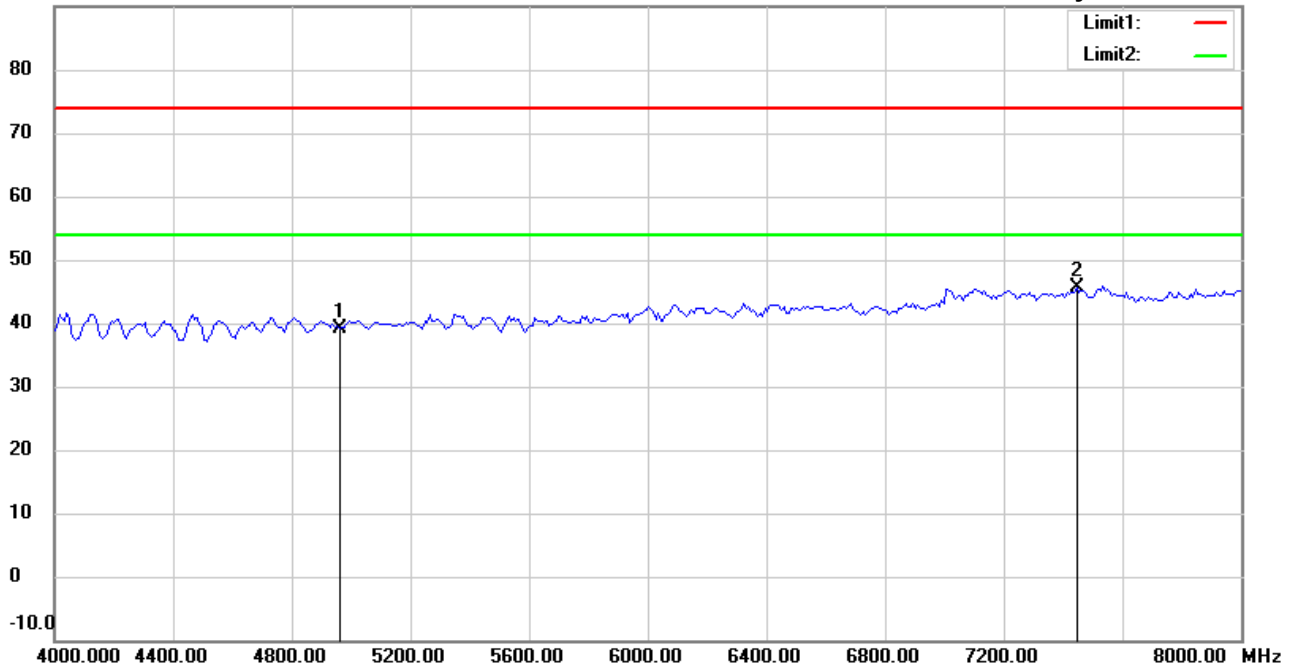
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:39:55 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	40.50	peak	-1.35	39.15	74.00	150	105	-34.85	
*	7440.000	41.86	peak	3.72	45.58	74.00	150	40	-28.42	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

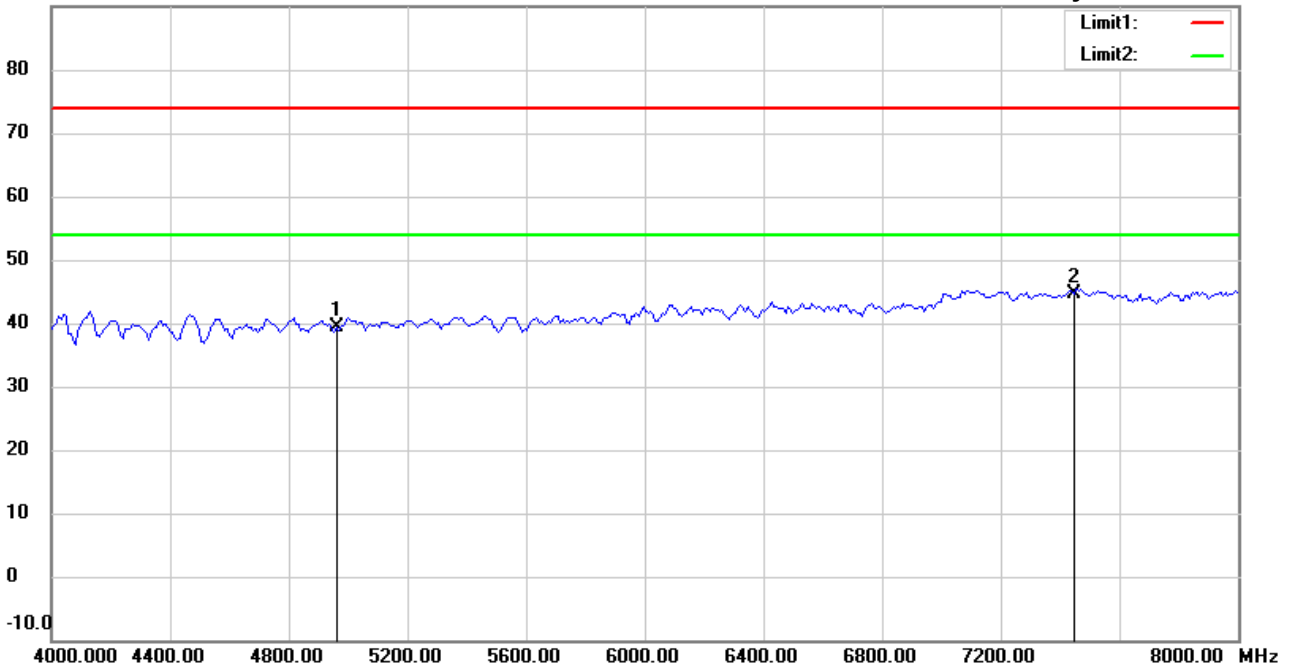
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:43:17 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	40.63	peak	-1.35	39.28	74.00	150	95	-34.72	
*	7440.000	40.89	peak	3.72	44.61	74.00	150	110	-29.39	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

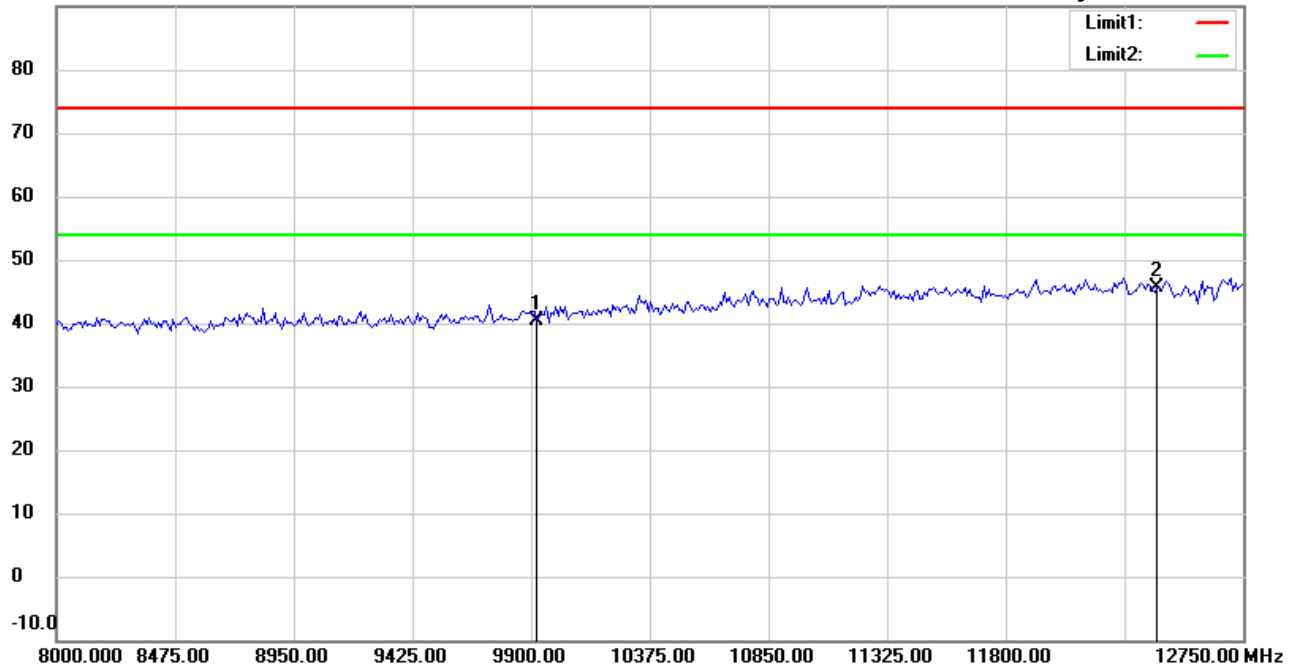
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:40:08 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.32	peak	7.16	40.48	74.00	150	130	-33.52	
*	12400.000	32.85	peak	12.75	45.60	74.00	150	285	-28.40	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

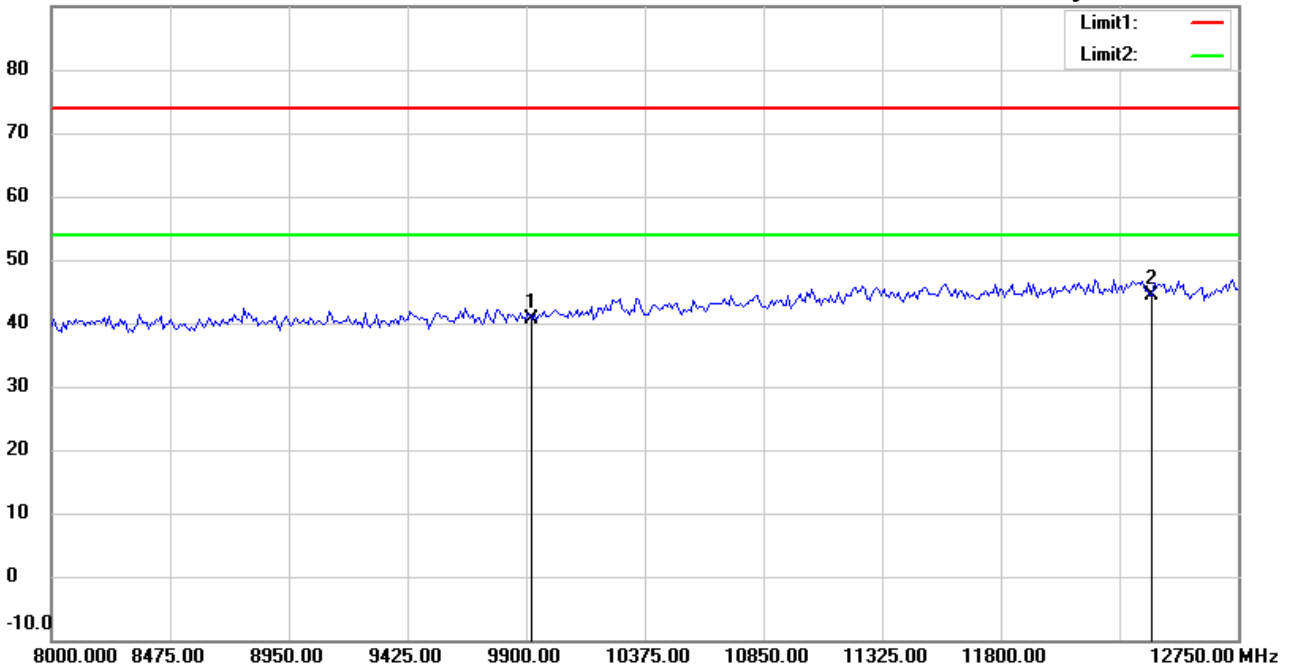
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:43:29 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.43	peak	7.16	40.59	74.00	150	300	-33.41	
*	12400.000	31.54	peak	12.75	44.29	74.00	150	125	-29.71	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

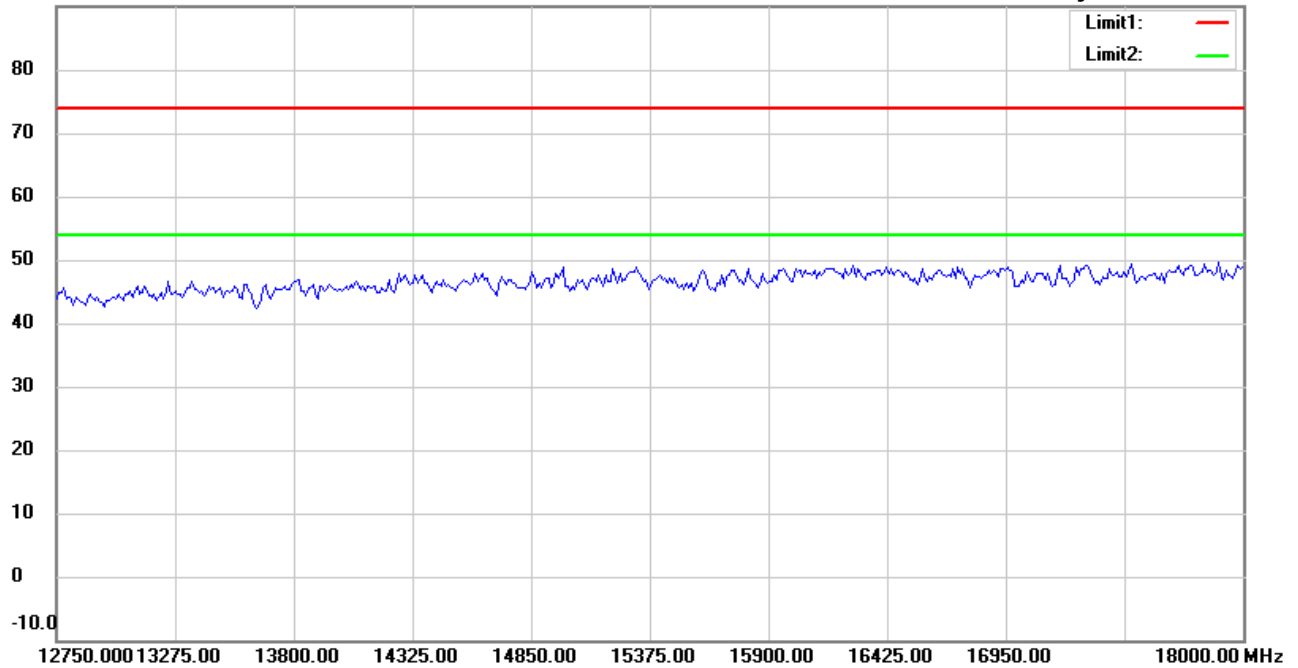
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:41:06 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

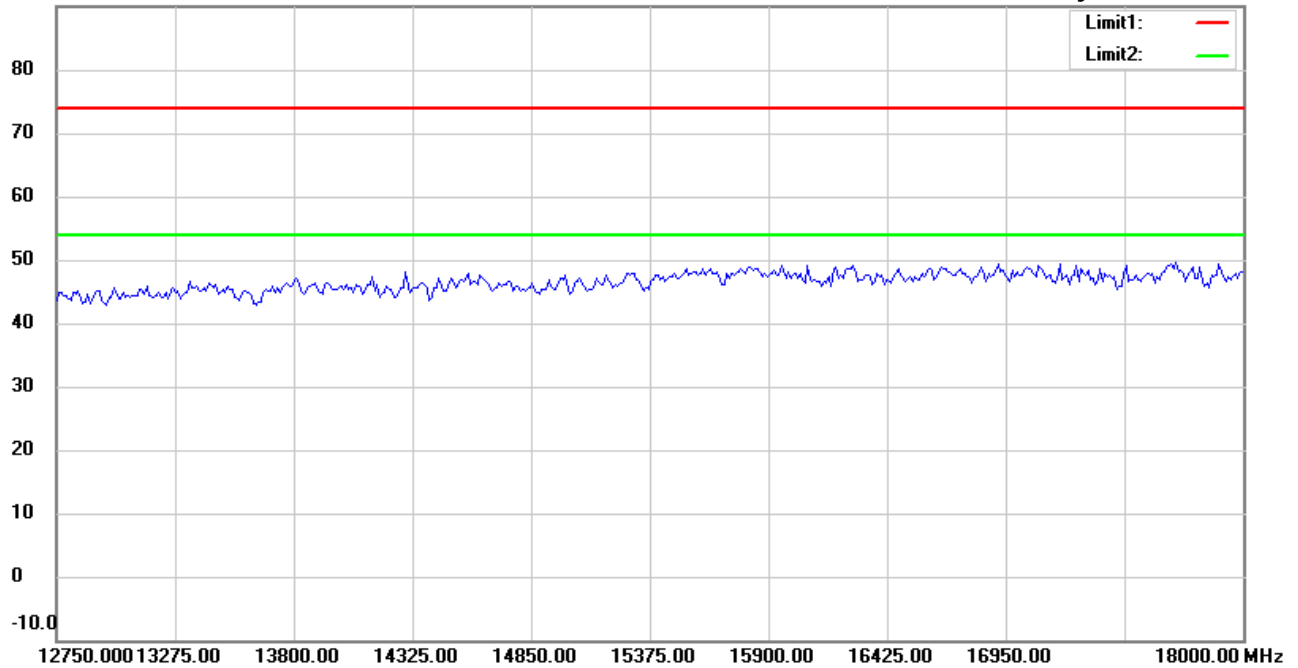
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:44:31 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

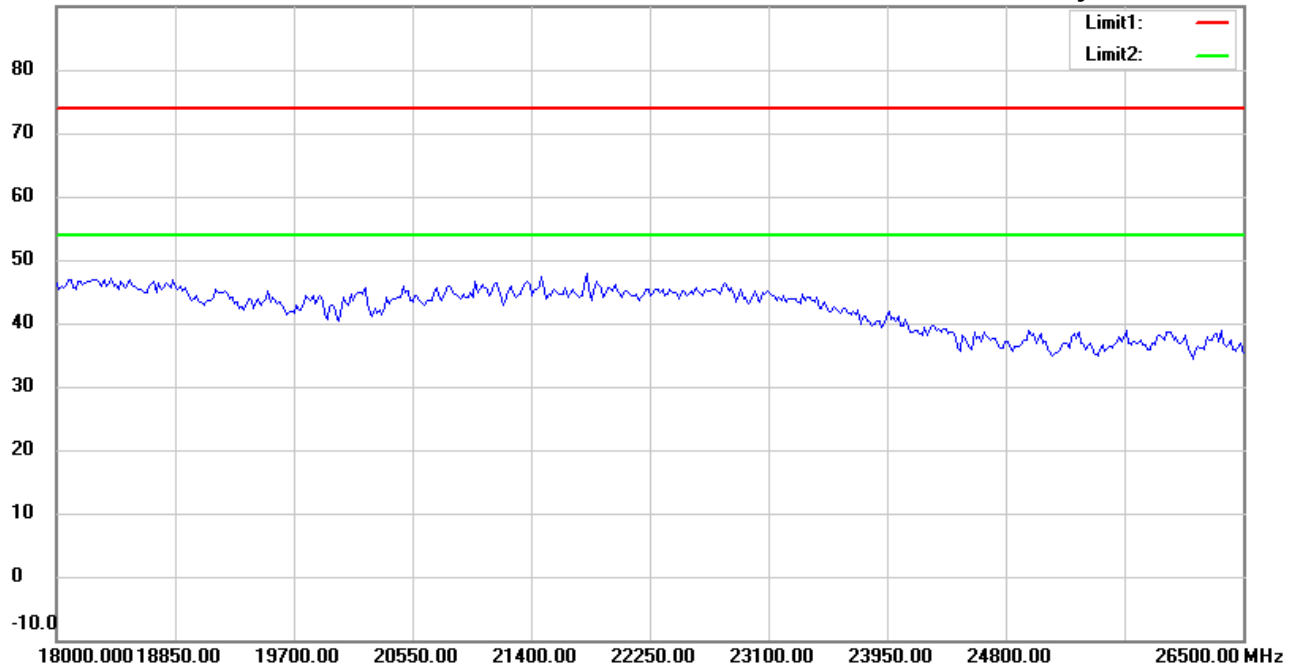
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:41:16 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

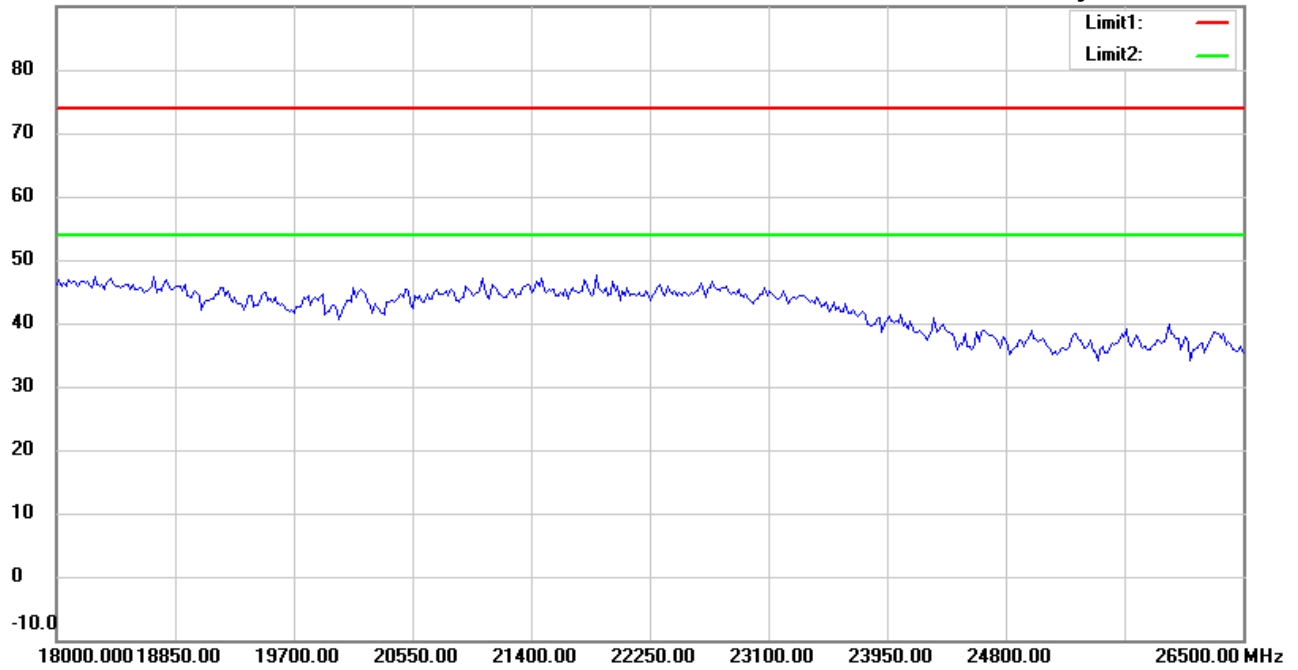
Date: 2/7/2020

Temperature:21.9 °C

90.0 dBuV/m

Time: 6:44:41 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21912-19555-C-1
FCC ID: IPH-B3556

Radiated Bandedge



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :bandedge

Data :#1

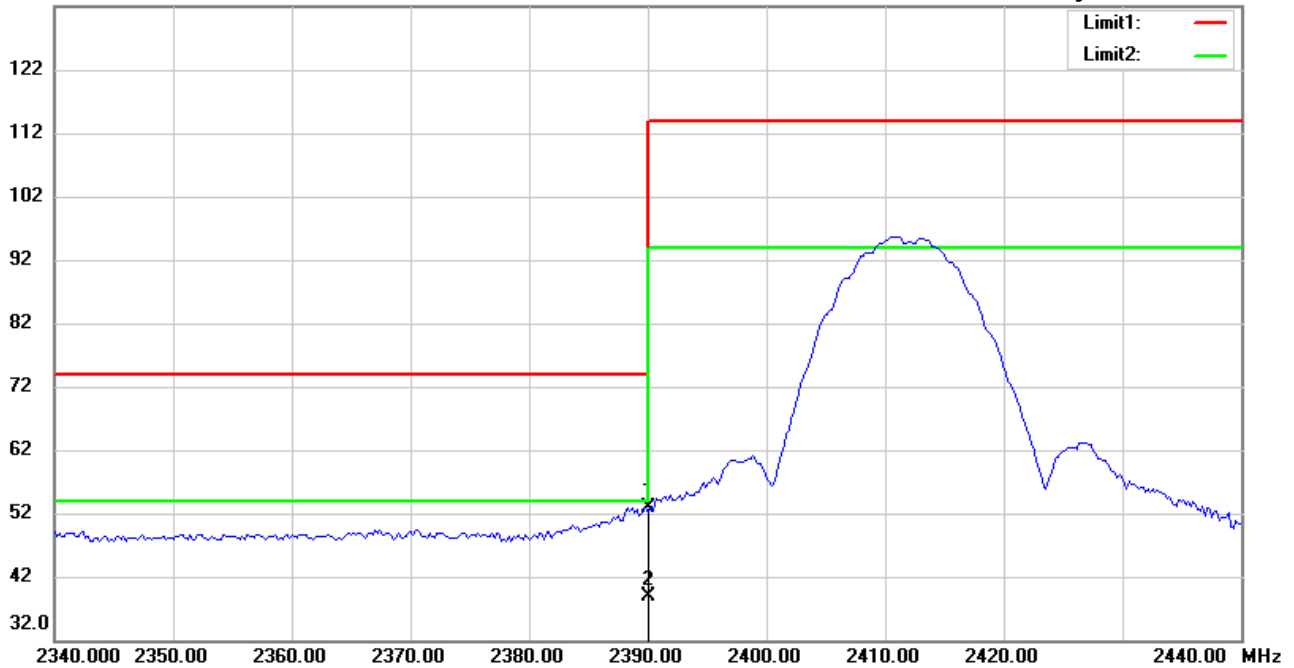
Date: 3/31/2020

Temperature:24.2 °C

132.0 dBuV/m

Time: 7:45:18 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.97	peak	37.02	52.99	74.00	150	100	-21.01	
*	2390.000	1.75	AVG	37.02	38.77	54.00	150	100	-15.23	

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



Radiated Emission Measurement

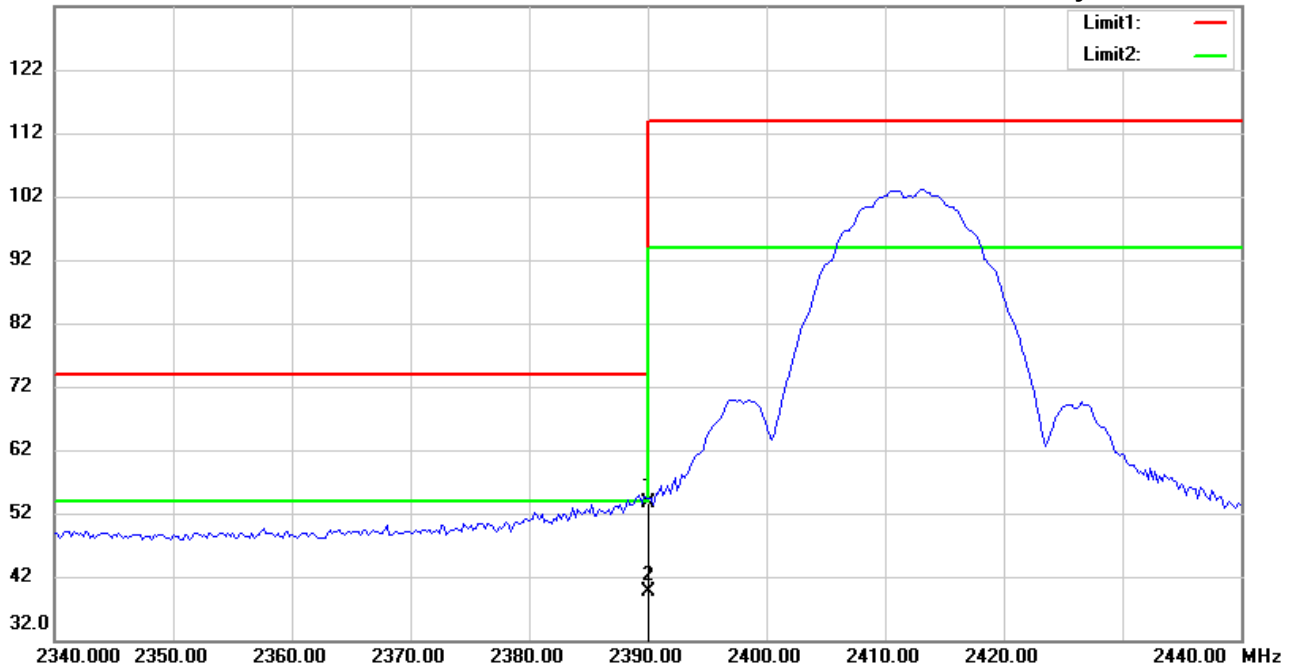
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 3/31/2020
 Time: 7:53:30 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.58	peak	37.02	53.60	74.00	150	215	-20.40	
*	2390.000	2.67	AVG	37.02	39.69	54.00	150	215	-14.31	



Radiated Emission Measurement

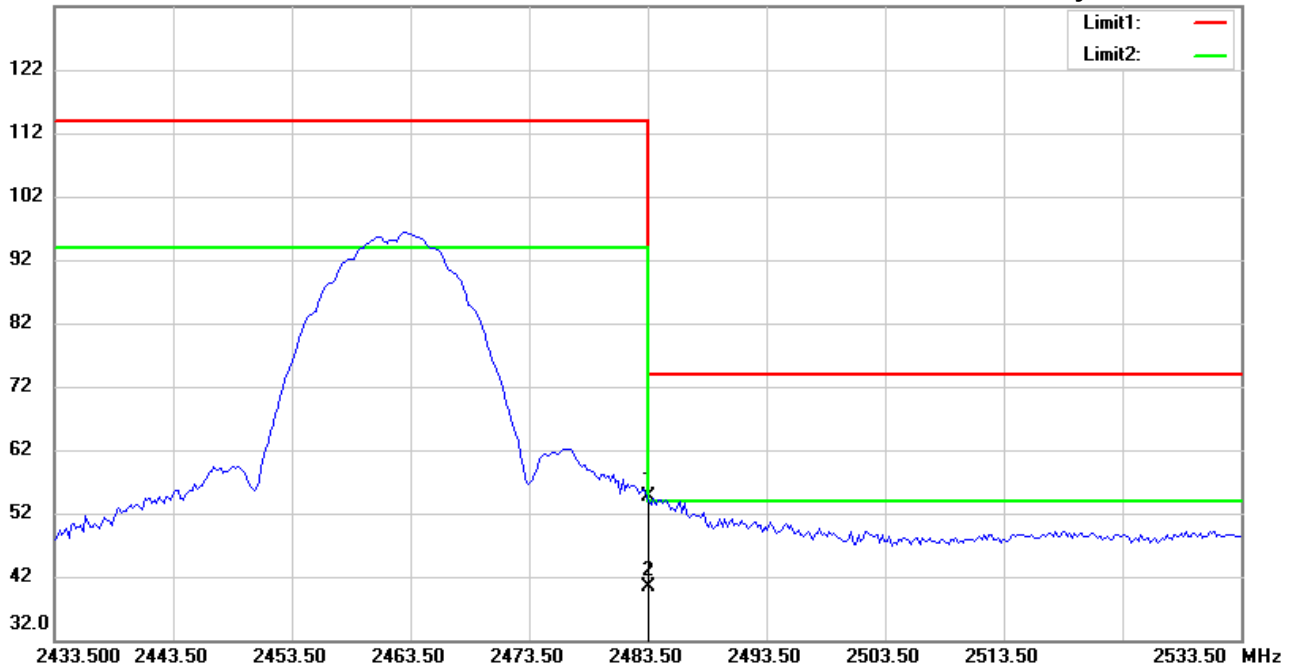
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#1

Date: 4/1/2020
 Time: 5:20:22 AM

Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.84	peak	37.74	54.58	74.00	150	180	-19.42	
*	2483.500	2.52	AVG	37.74	40.26	54.00	150	180	-13.74	



Radiated Emission Measurement

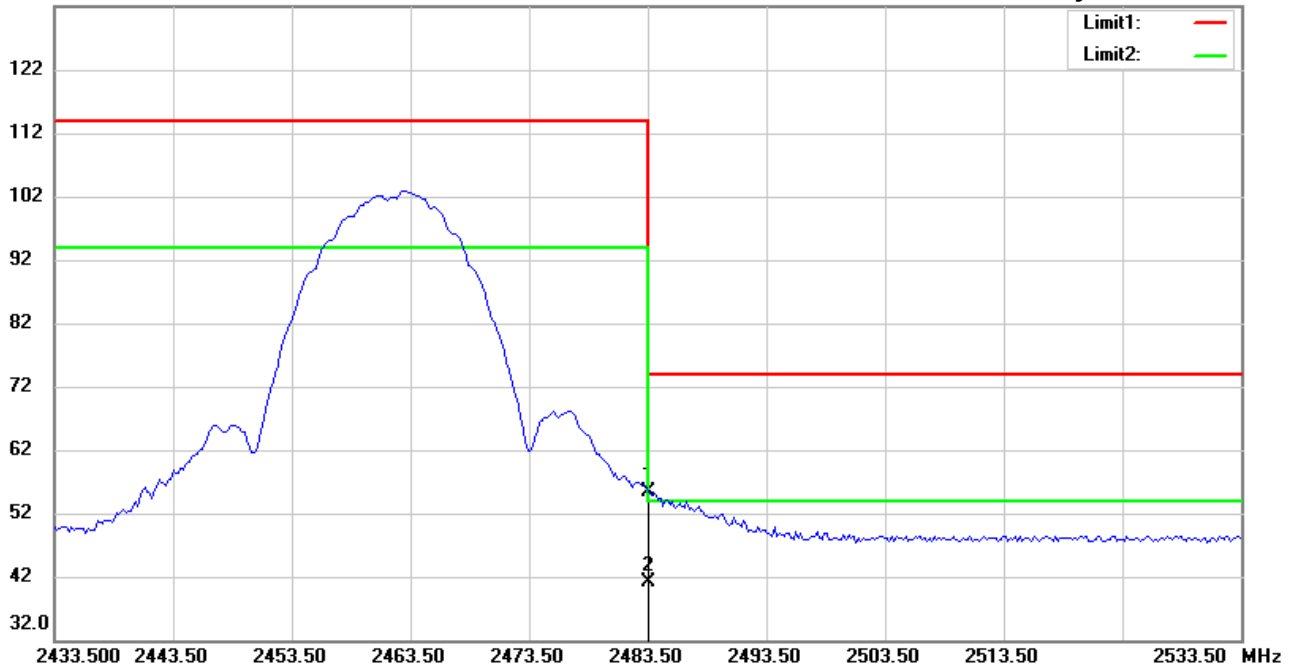
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 4/1/2020
 Time: 5:31:09 AM

Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	17.65	peak	37.74	55.39	74.00	150	110	-18.61	
*	2483.500	3.32	AVG	37.74	41.06	54.00	150	110	-12.94	



Radiated Emission Measurement

Operator: Allen

File :bandedge

Data :#1

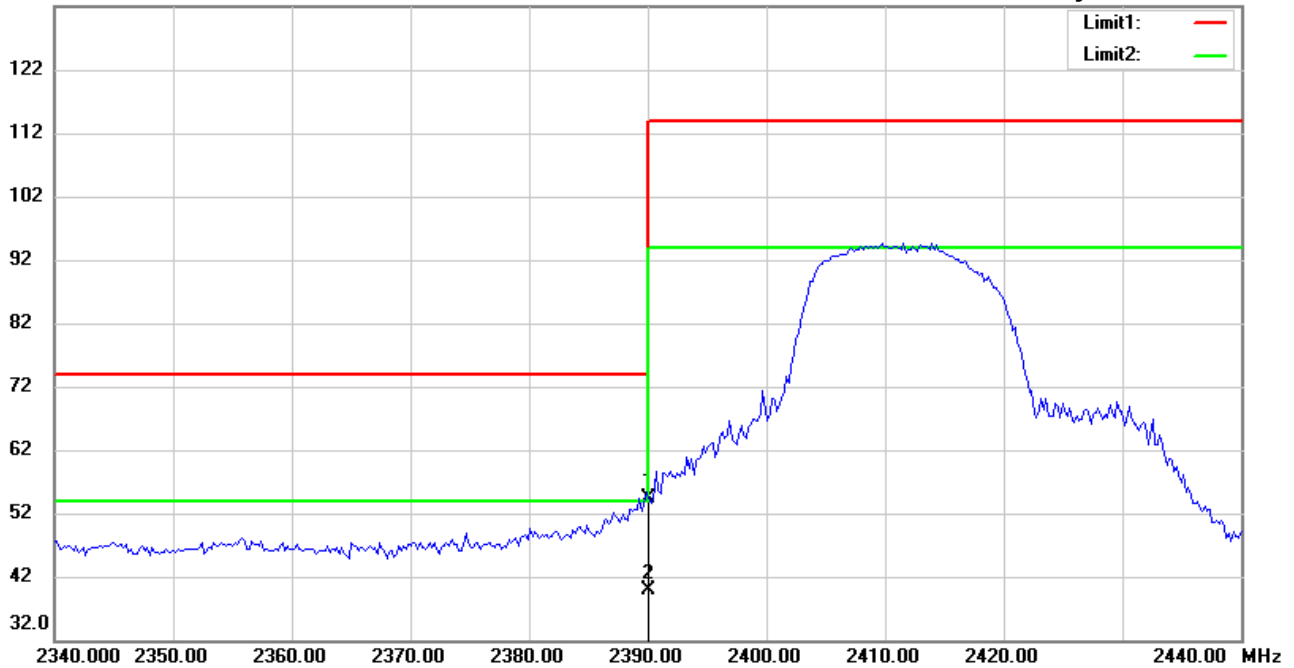
Date: 4/1/2020

Temperature:24.8 °C

132.0 dBuV/m

Time: 5:35:41 AM

Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	17.39	peak	37.02	54.41	74.00	150	330	-19.59	
*	2390.000	2.85	AVG	37.02	39.87	54.00	150	330	-14.13	



Radiated Emission Measurement

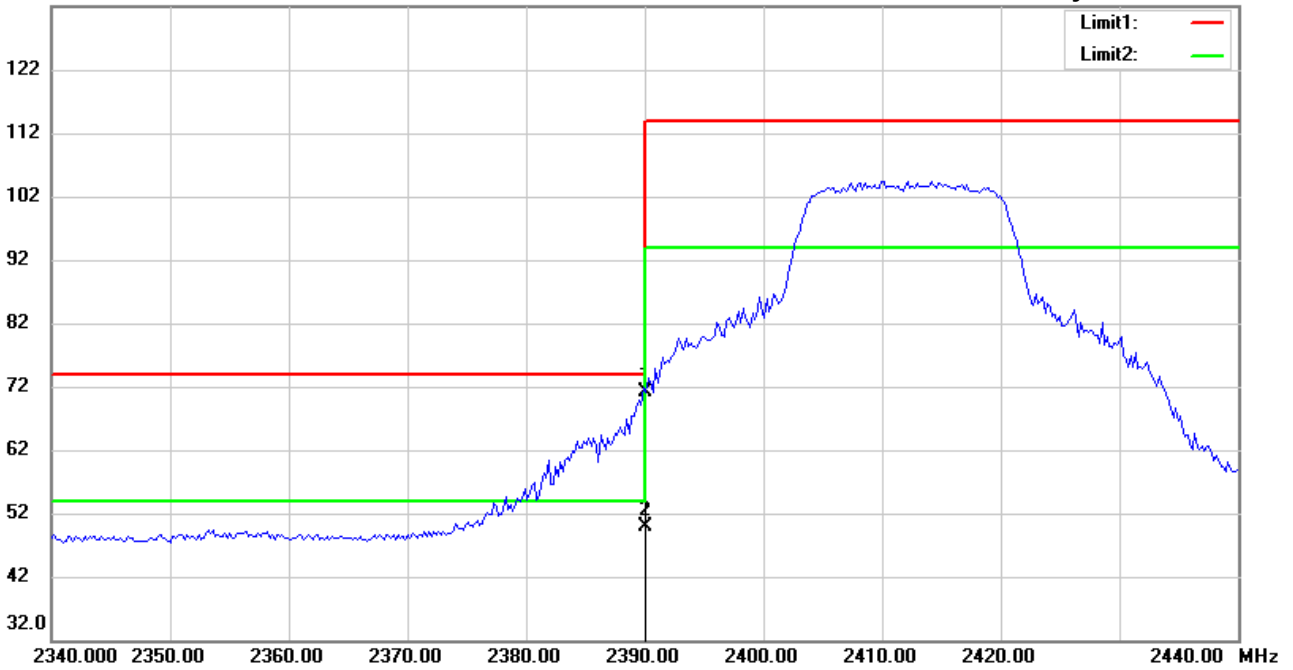
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 4/1/2020
 Time: 5:47:05 AM

Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2390.000	34.09	peak	37.02	71.11	74.00	150	140	-2.89	
	2390.000	12.80	AVG	37.02	49.82	54.00	150	140	-4.18	



Radiated Emission Measurement

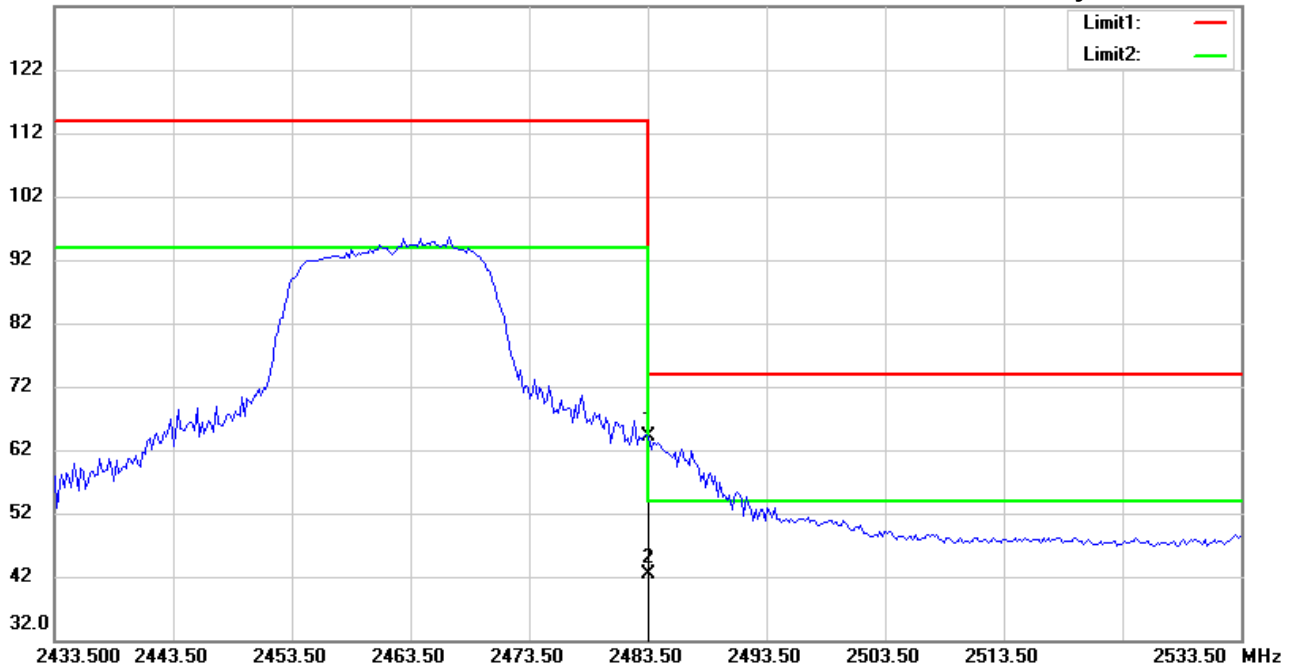
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#1

Date: 4/1/2020
 Time: 5:49:55 AM

Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2483.500	26.29	peak	37.74	64.03	74.00	150	115	-9.97	
	2483.500	4.52	AVG	37.74	42.26	54.00	150	115	-11.74	



Radiated Emission Measurement

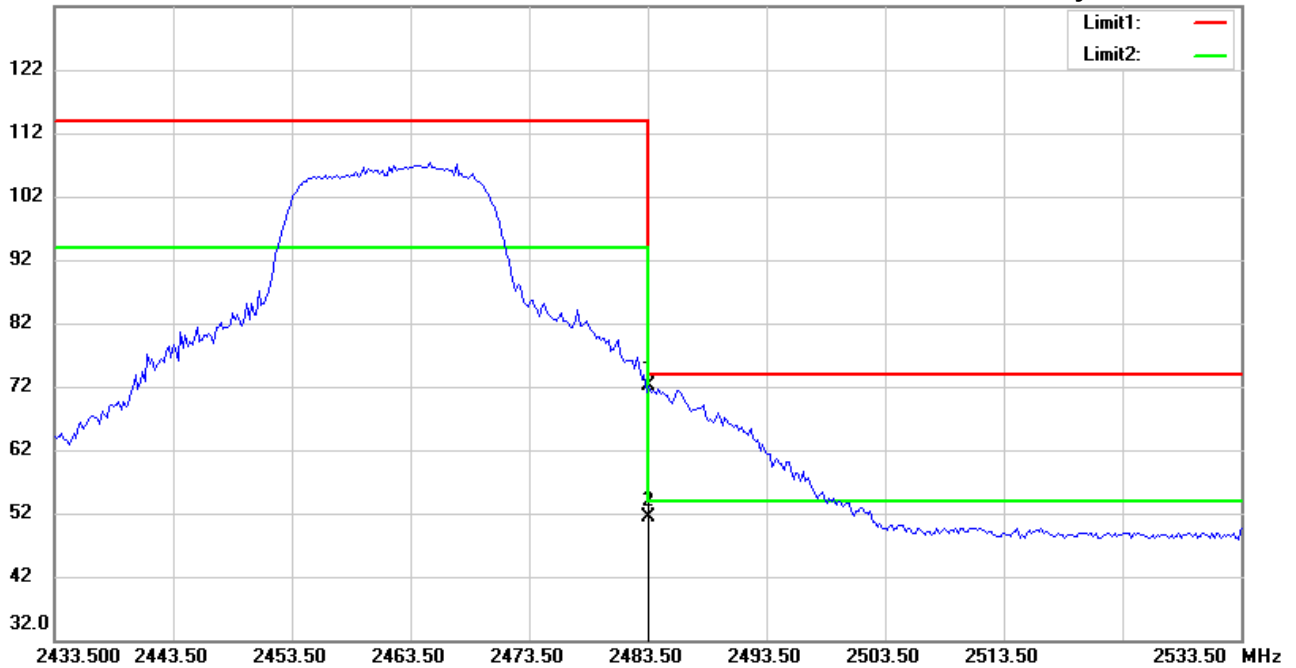
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 4/1/2020
 Time: 5:57:28 AM

Temperature:24.8 °C
 Humidity:58.5 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2483.500	34.40	peak	37.74	72.14	74.00	150	359	-1.86	
	2483.500	13.62	AVG	37.74	51.36	54.00	150	359	-2.64	



Radiated Emission Measurement

Operator: Allen

File :bandedge

Data :#1

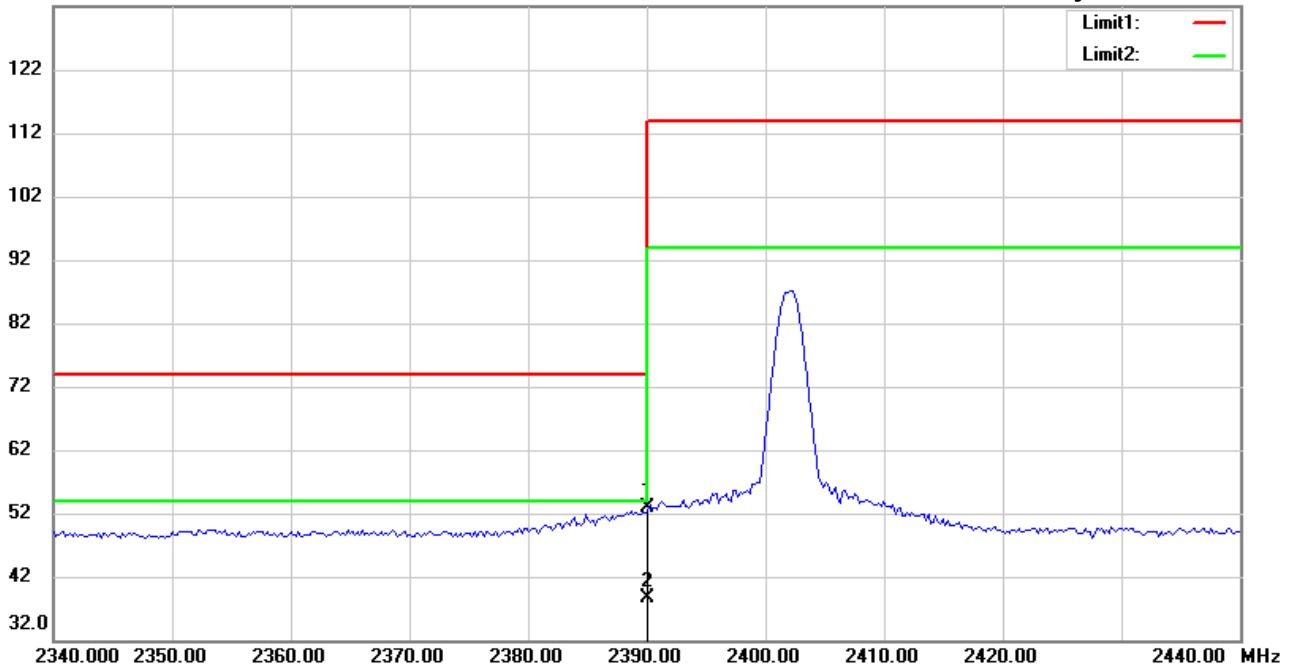
Date: 3/31/2020

Temperature:24.2 °C

132.0 dBuV/m

Time: 7:24:39 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.91	peak	37.02	52.93	74.00	205	175	-21.07	
*	2390.000	1.70	AVG	37.02	38.72	54.00	205	175	-15.28	



Radiated Emission Measurement

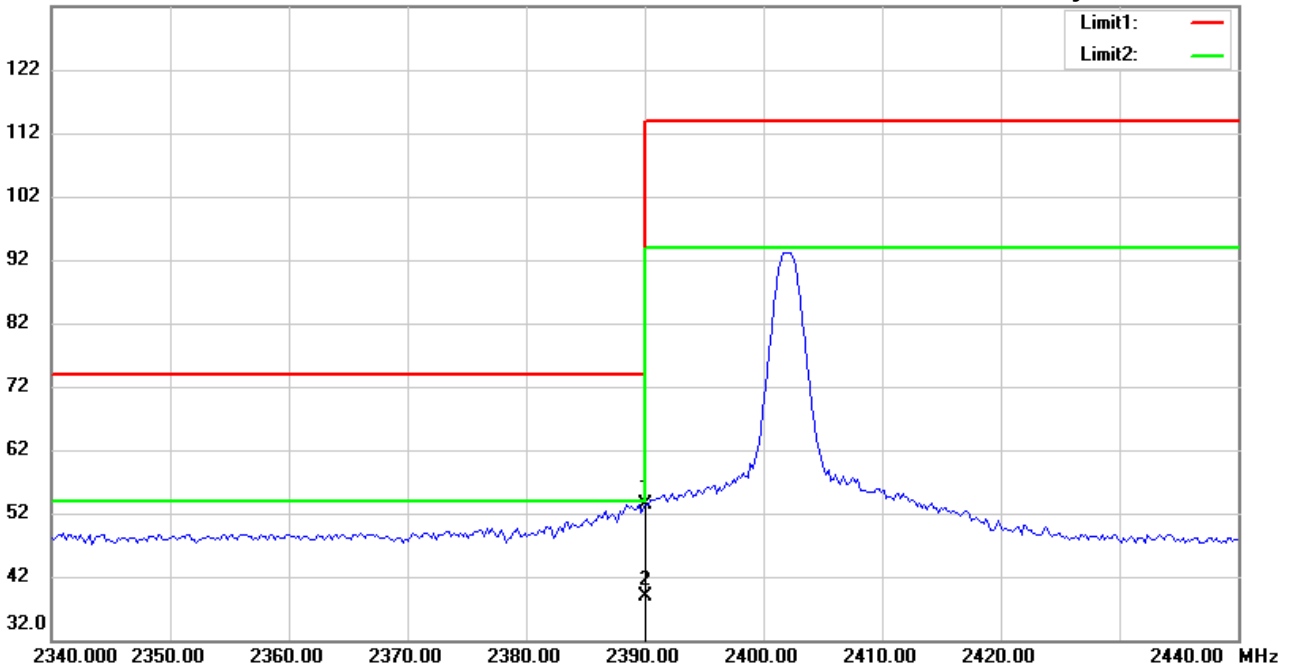
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 3/31/2020
 Time: 7:31:14 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.45	peak	37.02	53.47	74.00	200	330	-20.53	
*	2390.000	1.86	AVG	37.02	38.88	54.00	200	330	-15.12	



Radiated Emission Measurement

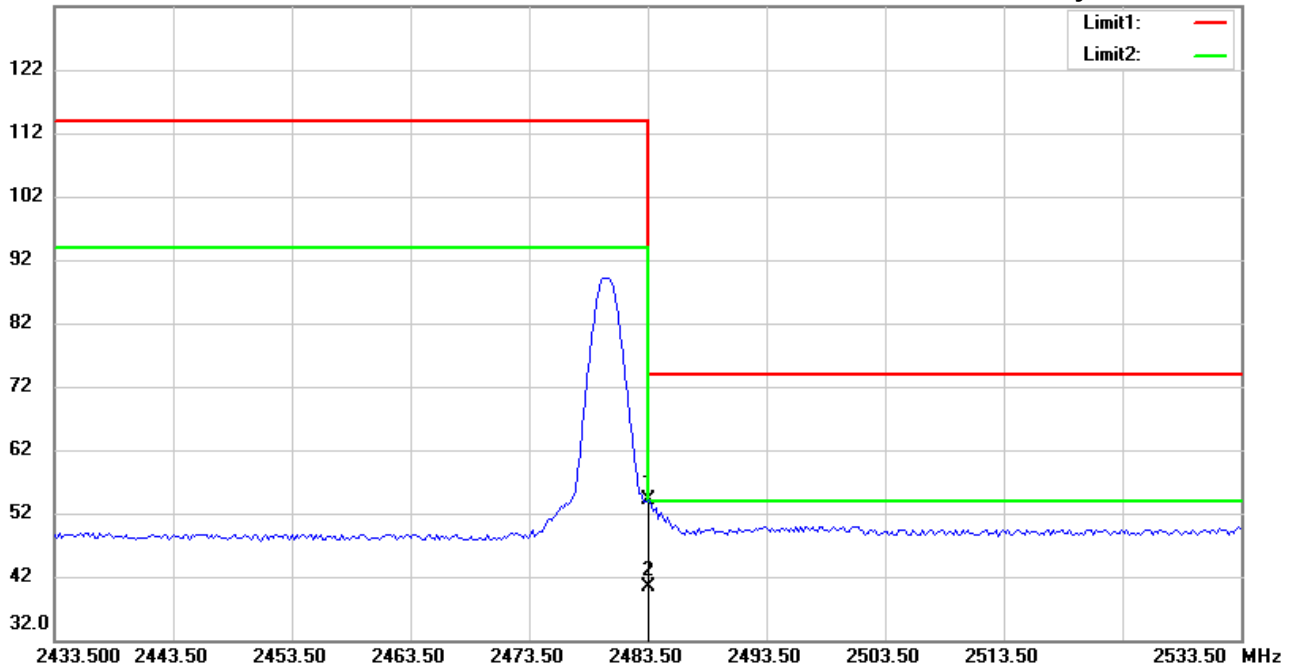
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#1

Date: 3/31/2020
 Time: 7:35:07 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.33	peak	37.74	54.07	74.00	150	170	-19.93	
*	2483.500	2.71	AVG	37.74	40.45	54.00	150	170	-13.55	



Radiated Emission Measurement

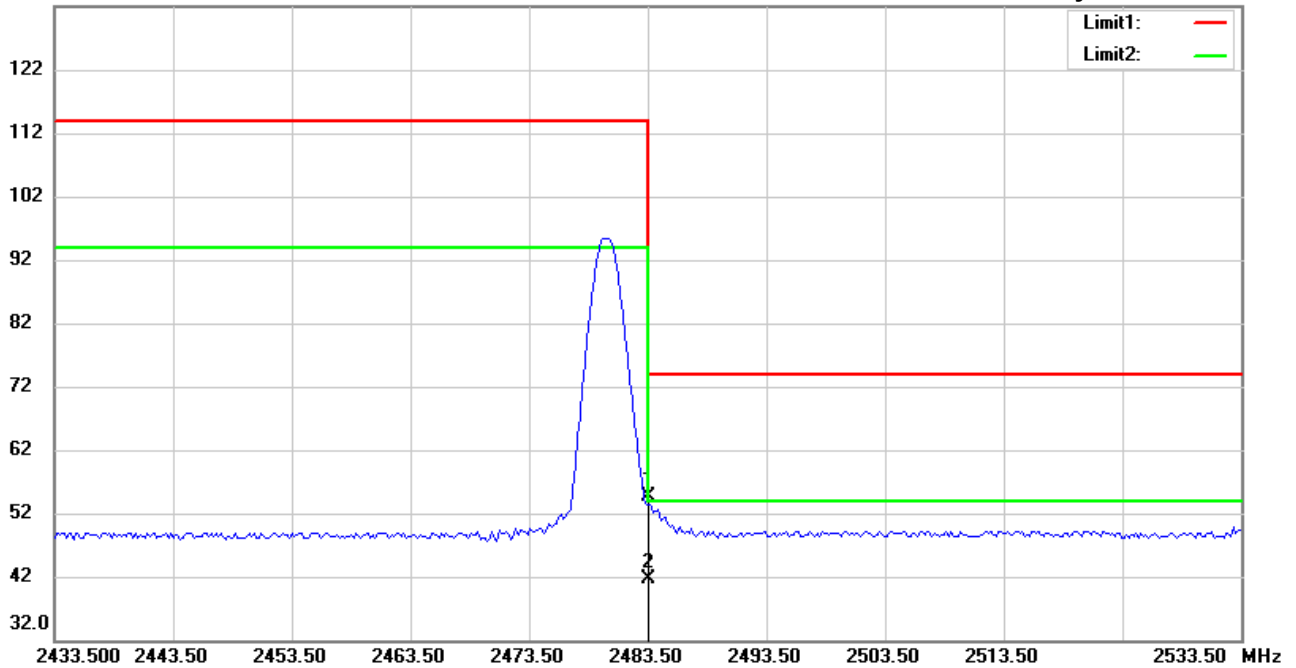
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 3/31/2020
 Time: 7:42:03 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.78	peak	37.74	54.52	74.00	150	280	-19.48	
*	2483.500	3.80	AVG	37.74	41.54	54.00	150	280	-12.46	



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Radiated Emission Measurement

Operator: Allen

File :bandedge

Data :#1

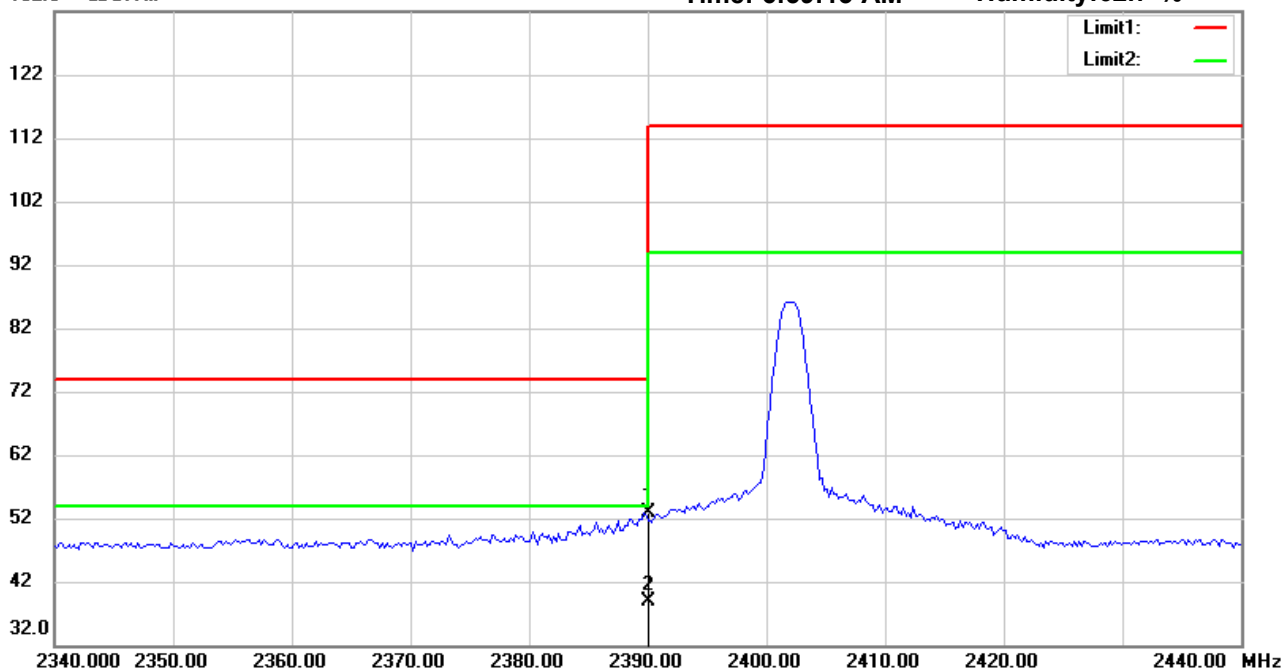
Date: 3/31/2020

Temperature:24.2 °C

132.0 dBuV/m

Time: 6:59:13 AM

Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M21912-19555

Power : 3.8 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	15.86	peak	37.02	52.88	74.00	205	180	-21.12	
*	2390.000	1.76	AVG	37.02	38.78	54.00	205	180	-15.22	



Radiated Emission Measurement

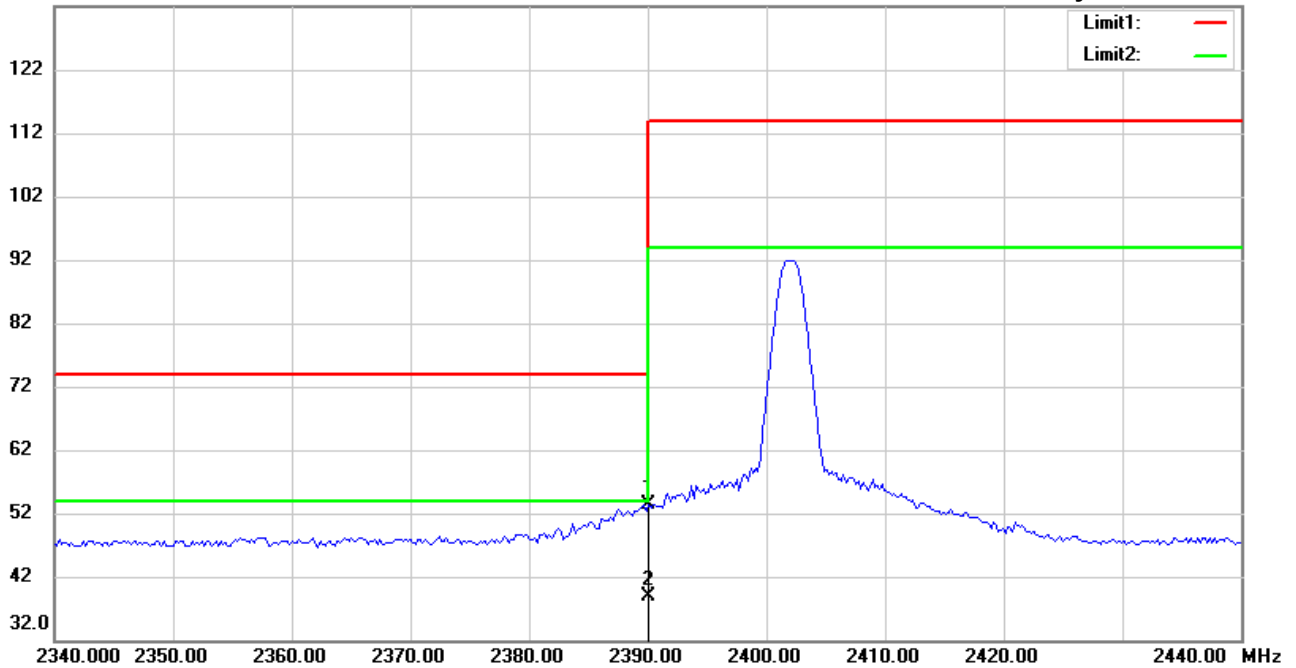
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 3/31/2020
 Time: 7:05:17 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	16.39	peak	37.02	53.41	74.00	180	335	-20.59	
*	2390.000	1.97	AVG	37.02	38.99	54.00	180	335	-15.01	



Radiated Emission Measurement

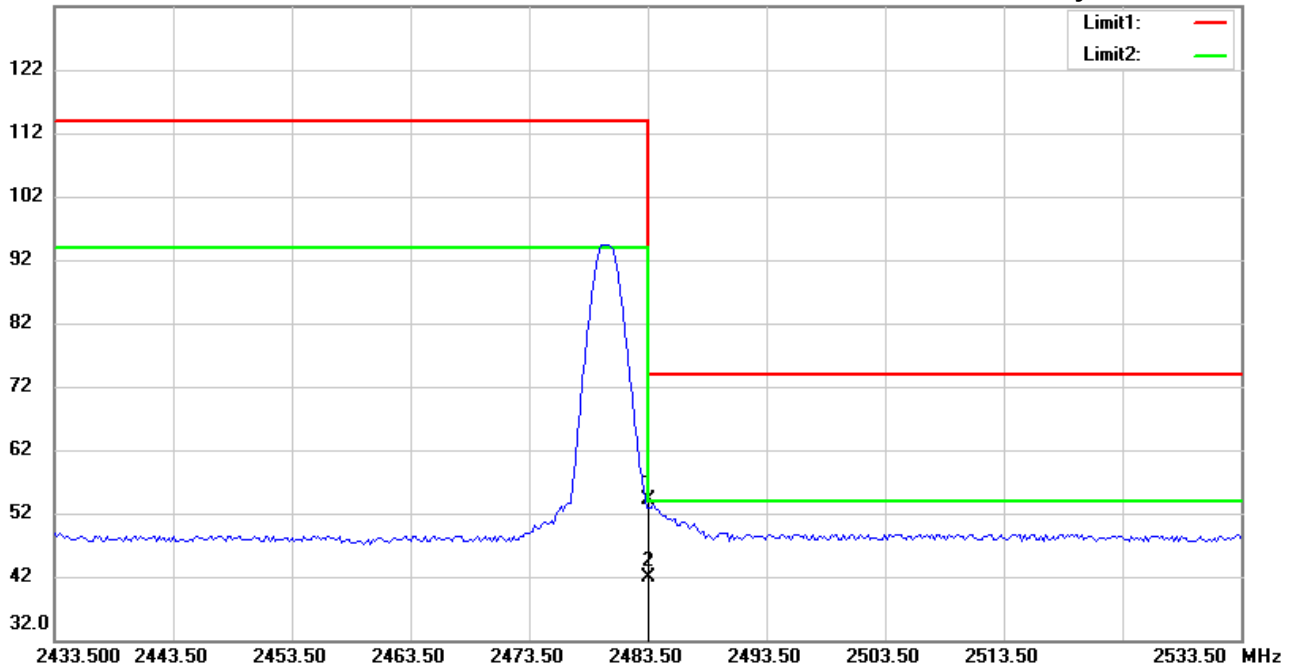
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#1

Date: 3/31/2020
 Time: 7:12:33 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	16.33	peak	37.74	54.07	74.00	150	180	-19.93	
*	2483.500	4.03	AVG	37.74	41.77	54.00	150	180	-12.23	



Radiated Emission Measurement

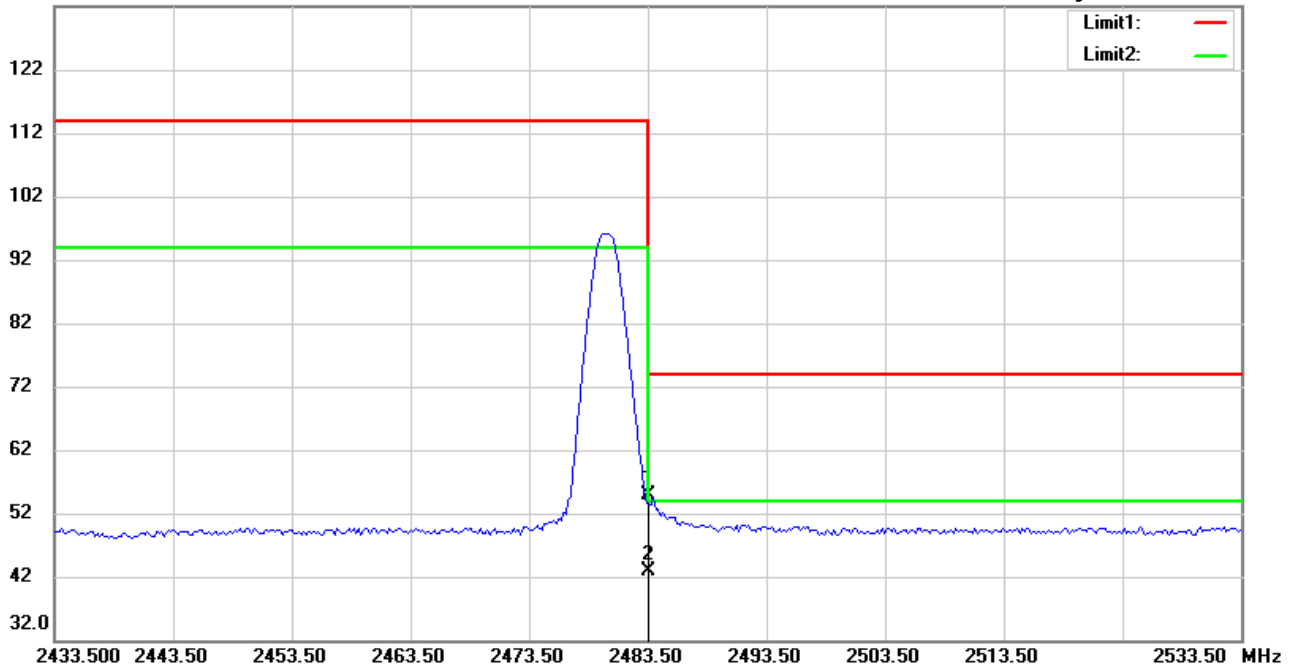
Operator: Allen

File :bandedge
 132.0 dBuV/m

Data :#2

Date: 3/31/2020
 Time: 7:17:39 AM

Temperature:24.2 °C
 Humidity:62.7 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M21912-19555

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3.8 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	17.12	peak	37.74	54.86	74.00	150	330	-19.14	
*	2483.500	5.12	AVG	37.74	42.86	54.00	150	330	-11.14	