

FCC PART 15 SUBPART C TEST REPORT

for

Frontpoint Touchscreen

Model No.: FPTS

FCC ID: 2ASF3FPTS

of

Applicant: Frontpoint

Address: 1595 Spring Hill Road Suite 110 Vienna, VA 22182, USA

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1

A2LA Accredited No.: 2732.01



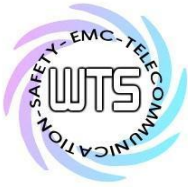
Report No.: W6D21901-18771-C-1

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

1	GENERAL INFORMATION	2
1.1	NOTES	2
1.2	TESTING LABORATORY	3
1.2.1	<i>Location</i>	3
1.2.2	<i>Details of accreditation status</i>	3
1.3	DETAILS OF APPROVAL HOLDER	3
1.4	APPLICATION DETAILS	4
1.5	GENERAL INFORMATION OF TEST ITEM	4
1.6	TEST STANDARDS	6
2	TECHNICAL TEST	7
2.1	SUMMARY OF TEST RESULTS	7
2.2	TEST ENVIRONMENT	7
2.3	TEST EQUIPMENT LIST	8
2.4	GENERAL TEST PROCEDURE	12
3	TEST RESULTS (ENCLOSURE)	14
3.1	PEAK OUTPUT POWER (TRANSMITTER)	15
3.2	EQUIVALENT ISOTROPIC RADIATED POWER	27
3.3	RF EXPOSURE COMPLIANCE REQUIREMENTS	27
3.4	TRANSMITTER RADIATED EMISSIONS IN RESTRICTED BANDS	28
3.5	SPURIOUS EMISSIONS (TX)	29
3.6	CARRIER FREQUENCY SEPARATION	31
3.7	NUMBER OF HOPPING FREQUENCIES	34
3.7.1	<i>Pseudorandom Frequency Hopping Sequence</i>	36
3.7.2	<i>Coordination of hopping sequences to other transmitters</i>	36
3.7.3	<i>System Receiver Hopping Capability</i>	36
3.8	TIME OF OCCUPANCY (DWELL TIME)	37
3.9	20dB BANDWIDTH	43
3.9.1	<i>System Receiver Input Bandwidth</i>	46
3.10	MINIMUM 6 DB BANDWIDTH	47
3.11	RADIATED EMISSION ON THE BAND EDGE	56
3.12	PEAK POWER SPECTRAL DENSITY	66
3.13	RADIATED EMISSION FROM RECEIVER PART	75
3.14	POWER LINE CONDUCTED EMISSION	76
	APPENDIX	79



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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:

February 19, 2019

Robert Ren

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

February 19, 2019

Kevin Wang

Date

WTS

Name

Signature



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FCC ID: 2ASF3FPTS

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. IC 5679A-1, IC 5107A-1

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: Frontpoint

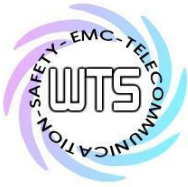
Street: 1595 Spring Hill Road Suite 110

Town: Vienna, VA 22182

Country: USA

Telephone: 703.953.4463

Fax: 877.543.0163



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FCC ID: 2ASF3FPTS

1.4 Application details

Date of receipt of test item: January 17, 2019
Date of test: from January 18, 2019 to February 19, 2019

1.5 General information of Test item

Type of test item: Frontpoint Touchscreen
Model Number: FPTS
Brand Name: Frontpoint
Multi-listing model number: ./.
Photos: see Appendix

Technical data

Frequency band: 2.4 GHz – 2.4835 GHz

802.11b, g, n 20MHz

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

802.11n 40MHz

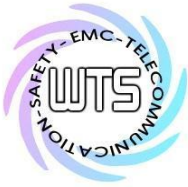
Frequency (ch 1): 2.422 GHz
Frequency (ch 4): 2.437 GHz
Frequency (ch 7): 2.452 GHz

BT2.0 Normal, EDR

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

BT4.0

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, n 20MHz: 11 channels, 11n 40MHz: 7 channels
 Bluetooth: 79 channels(normal & EDR), 40channels(LE)

Operation modes: Duplex

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

Fixed point-to-point operation: Yes / No

Type of Antenna: FPC ANTENNA

Antenna gain: 1.5 dBi (BT4.0 & BT2.0 & WiFi)

Power supply: Adapter: I/P: 100-240V~50/60Hz, 0.4A Max
 O/P: 5V, 1500mA
 Battery: 3.7V, 2500mAh, 9.25Wh

Emission designator (WiFi): 802.11b: DSSS: 15M1G1D
 802.11g: OFDM: 16M8D1D
 802.11n 20MHz: OFDM: 18M3D1D
 802.11n 40MHz: OFDM: 36M8D1D

Emission designator (BT2.0): Normal: 968KF1D
 EDR: 1M29G1D

Emission designator (BT4.0): 1M58G1D

Host device: none

Classification :

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



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Transmitter

Unom

WiFi (802.11b)

Power (ch 1 or A):	Conducted: 15.97 dBm
Power (ch 6 or B):	Conducted: 16.63 dBm
Power (ch 11 or C):	Conducted: 16.70 dBm

WiFi (802.11g)

Power (ch 1 or A):	Conducted: 13.69 dBm
Power (ch 6 or B):	Conducted: 14.22 dBm
Power (ch 11 or C):	Conducted: 14.26 dBm

WiFi (802.11n 20 MHz)

Power (ch 1 or A):	Conducted: 13.05 dBm
Power (ch 6 or B):	Conducted: 13.21 dBm
Power (ch 11 or C):	Conducted: 13.64 dBm

WiFi (802.11n 40 MHz)

Power (ch 1 or A):	Conducted: 10.33 dBm
Power (ch 4 or B):	Conducted: 11.56 dBm
Power (ch 7 or C):	Conducted: 11.95 dBm

BT2.0 Normal

Power (ch 0 or A):	Conducted: 4.50 dBm
Power (ch 39 or B):	Conducted: 4.10 dBm
Power (ch 78 or C):	Conducted: 4.42 dBm

BT2.0 EDR

Power (ch 0 or A):	Conducted: 4.67 dBm
Power (ch 39 or B):	Conducted: 4.11 dBm
Power (ch 78 or C):	Conducted: 4.47 dBm

BT4.0

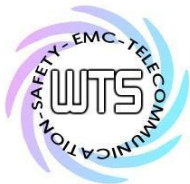
Power (ch 0 or A):	Conducted: 4.67 dBm
Power (ch 19 or B):	Conducted: 4.53 dBm
Power (ch 39 or C):	Conducted: 4.08 dBm

Manufacturer: (if applicable)

Name:	CLIMAX TECHNOLOGY CO., LTD.
Street:	No. 258, Sinhu 2nd Rd., Neihu District
Town:	Taipei City 114,
Country:	Taiwan (R.O.C.)

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2017-10)



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 FCC ID: 2ASF3FPTS

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 as specified in 2.5 were ascertained in the course of the tests performed.

2.2 Test environment

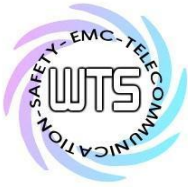
Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Power supply: Adapter: I/P: 100-240V~50/60Hz, 0.4A Max
 O/P: 5V, 1500mA
 Battery: 3.7V, 2500mAh, 9.25Wh

Extreme conditions parameters: ./.

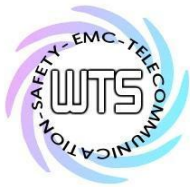
Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty : AMN : 1.30 dB Voltage probe : 1.36 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty : 0.009-30 MHz : 2.02 dB 30-1000 MHz : 3.49 dB 1-18 GHz : 3.01 dB 18-40 GHz : 2.43 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 : 1.72 dB
Estimation Result of Uncertainty of Power Density Measurement Power density	Expanded Uncertainty : 1.73 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.98 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



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

Special Statement:

1. This test report is based on the original test report no.: W6M21809-18414-C-1.
2. The relevant Circuitry, PCB Layout, Inner element and Function is exactly the same as the one in original test report. The differences are the appearance, approval holder, model number and brand name. Therefore the test result is also based on the original test report no. W6M21809-18414-C-1 without retesting.



Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

2.3 Test Equipment List

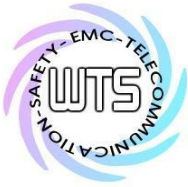
No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2018/5/30	2019/5/29
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2018/11/1	2019/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2018/8/21	2019/8/20
ETSTW-CE 008	HF-EICHLLEITUNG 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	2018/7/13	2019/7/12
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2018/9/25	2019/9/24
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2018/7/16	2019/7/15
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2018/5/30	2019/5/29
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2018/5/21	2019/5/20
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	2018/7/13	2019/7/12
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2018/7/12	2019/7/11
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2018/3/26	2019/3/25
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2019/1/14	2020/1/13
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2018/4/13	2019/4/12
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2018/4/26	2019/4/25
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2018/3/6	2019/3/5
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2018/3/1	2019/2/28
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2018/3/30	2019/3/29
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	2018/9/17	2019/9/16
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2018/9/18	2019/9/17
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2018/4/16	2019/4/15
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2018/2/23	2019/2/22
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE	2019/1/14	2020/1/13



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Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

				CIRCUITS		
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2018/5/29	2019/5/28
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2018/2/27	2019/2/26
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2018/3/30	2019/3/29
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2018/3/23	2019/3/22
ETSTW-RE 151	Thermohyrometer	608-h1	45104376	TESTO	2018/8/17	2019/8/16
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2018/5/10	2019/5/9
ETSTW-EMS 008	Exposure Level Tester	ELT-400	G-0009	Narda	2018/7/17	2019/7/16
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2018/2/27	2019/2/26
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2018/3/2	2019/3/1
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2018/10/19	2019/10/18
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40/12+9SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2018/9/12	2019/9/11
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2018/3/7	2019/3/6
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2018/8/9	2019/8/8
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	2018/2/22	2019/2/21
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2018/7/2	2019/7/1
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2018/2/27	2019/2/26
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2018/5/14	2019/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2018/2/27	2019/2/26
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2018/3/30	2019/3/29
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2018/3/30	2019/3/29



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Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325519	HUBER+SUHNER	2018/3/30	2019/3/29
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2018/6/9	2019/6/8
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2018/3/30	2019/3/29
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2018/8/30	2019/8/29
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2018/6/9	2019/6/8
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMG	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	



Registration number: W6D21901-18771-C-1

FCC ID: 2ASF3FPTS

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.



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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:

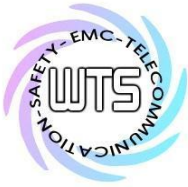
Average = Peak + Duty Factor

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.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

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(c)	<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 Receiver Part	15.109	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207(a)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



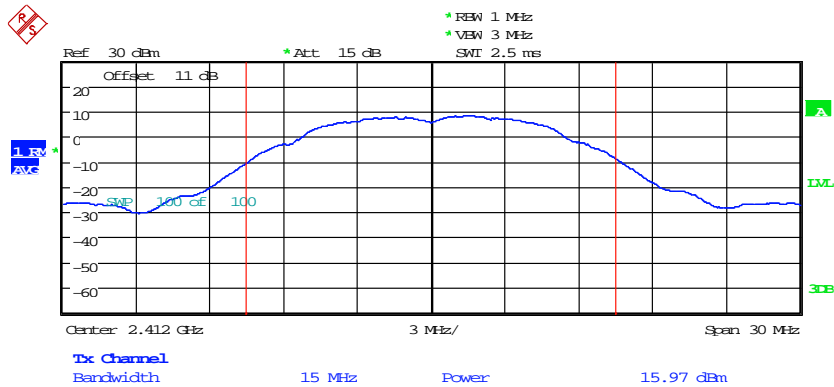
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

3.1 Peak Output Power (transmitter)

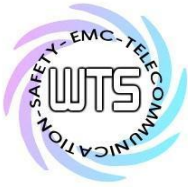
FCC Rule: 15.247(b)(3)

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).

WiFi 802.11b

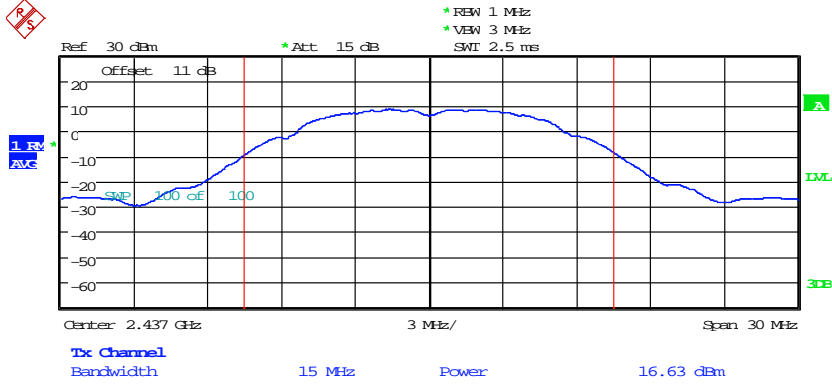


MAX OUTPUT POWER 802.11B CH01
Date: 25.JAN.2019 11:15:44



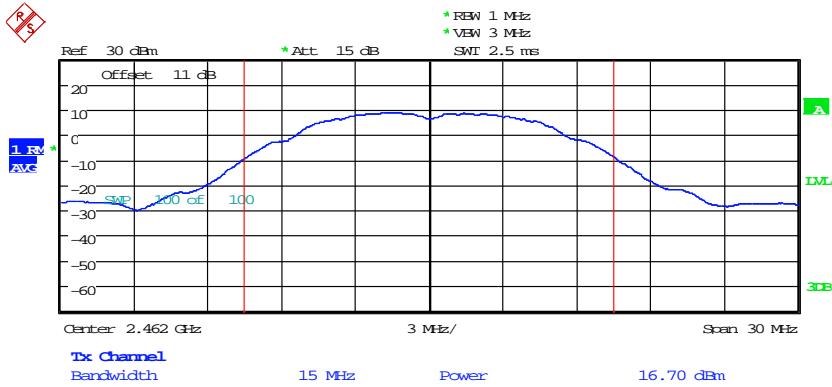
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



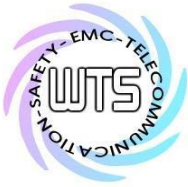
MAX OUTPUT POWER 802.11B CH06

Date: 25.JAN.2019 11:17:08



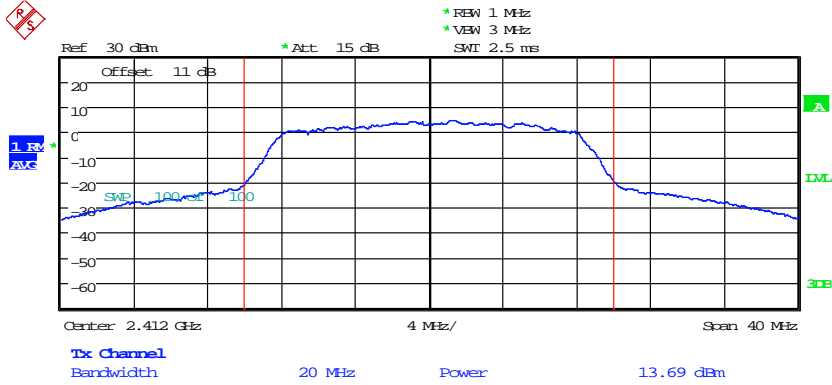
MAX OUTPUT POWER 802.11B CH11

Date: 25.JAN.2019 11:18:01

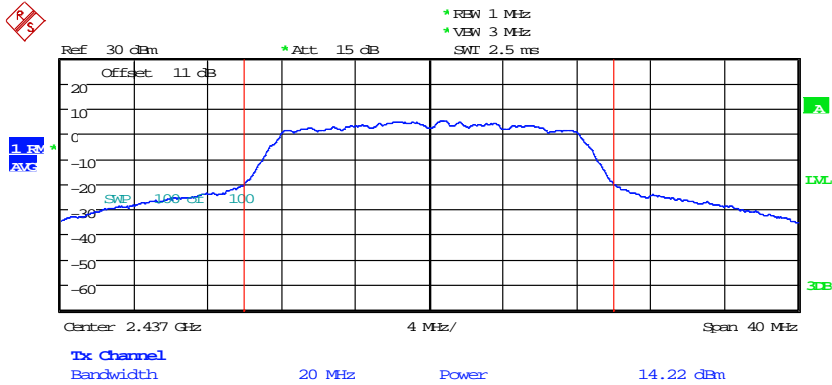


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

802.11g



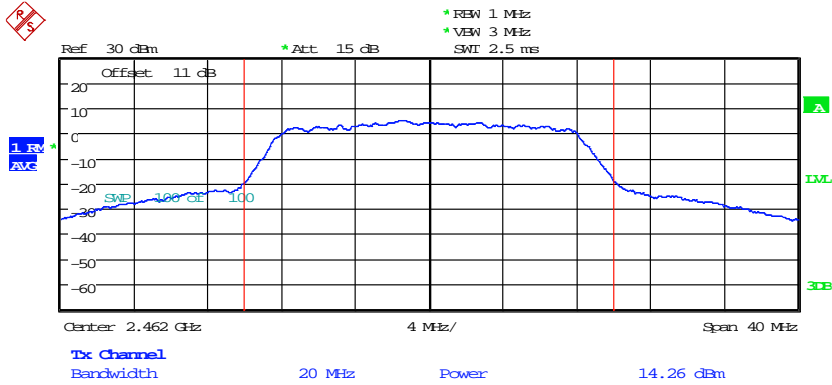
MAX OUTPUT POWER 802.11G CH01
Date: 25.JAN.2019 11:18:59



MAX OUTPUT POWER 802.11G CH06
Date: 25.JAN.2019 11:20:15



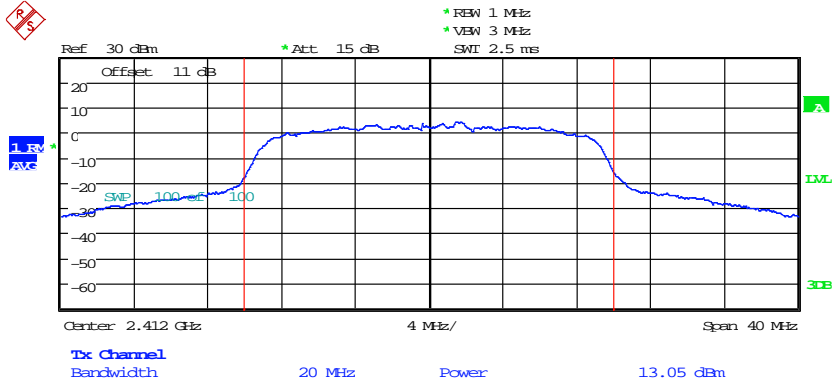
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



MAX OUTPUT POWER 802.11G CH11

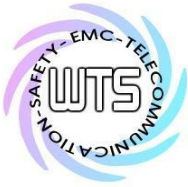
Date: 25.JAN.2019 11:21:13

802.11n 20 MHz



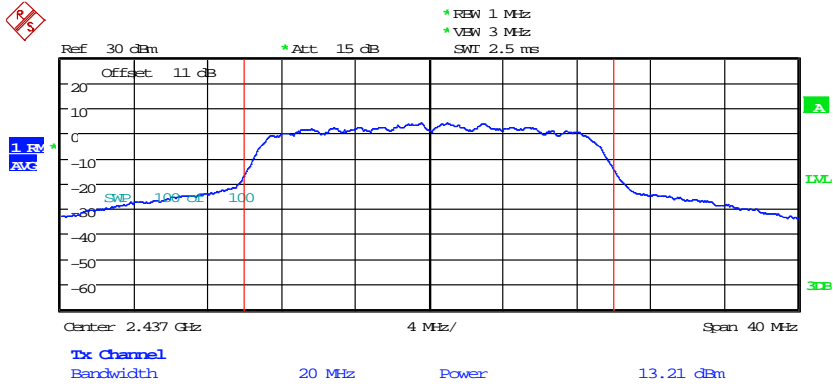
MAX OUTPUT POWER 802.11N 20MHZ CH1

Date: 25.JAN.2019 11:22:23



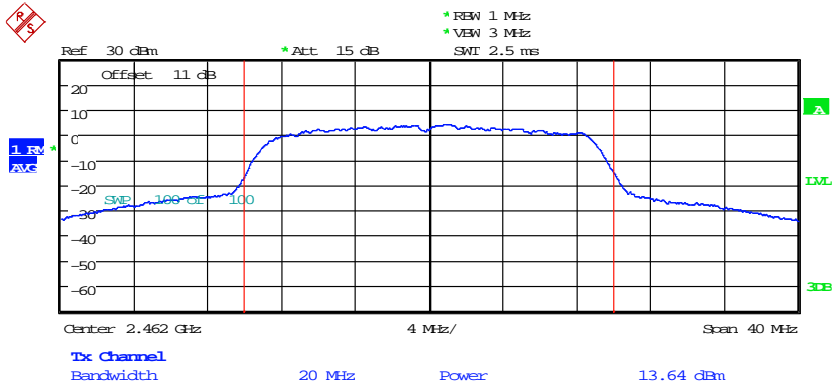
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



MAX OUTPUT POWER 802.11N 20MHZ CH6

Date: 25.JAN.2019 11:23:19



MAX OUTPUT POWER 802.11N 20MHZ CH11

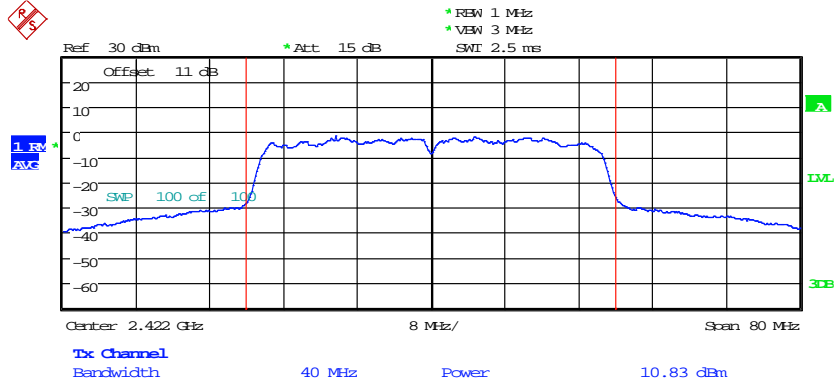
Date: 25.JAN.2019 11:24:10



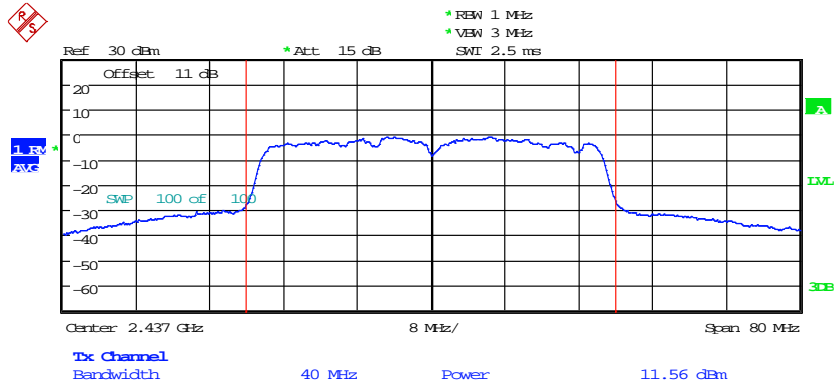
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

802.11n 40 MHz



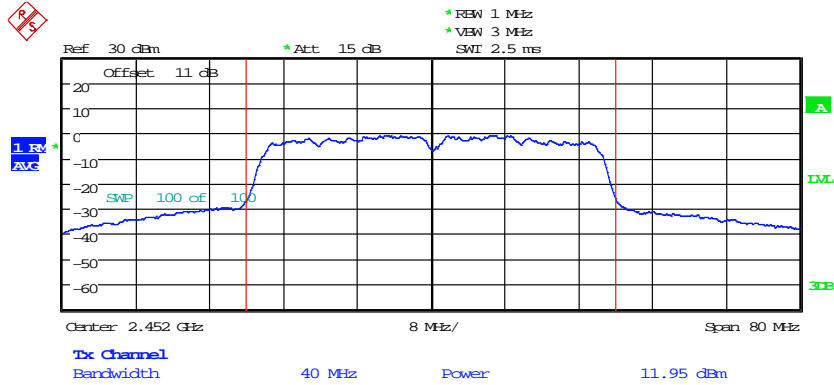
MAX OUTPUT POWER 802.11N 40MHZ CH1
Date: 25.JAN.2019 11:25:33



MAX OUTPUT POWER 802.11N 40MHZ CH4
Date: 25.JAN.2019 11:26:54



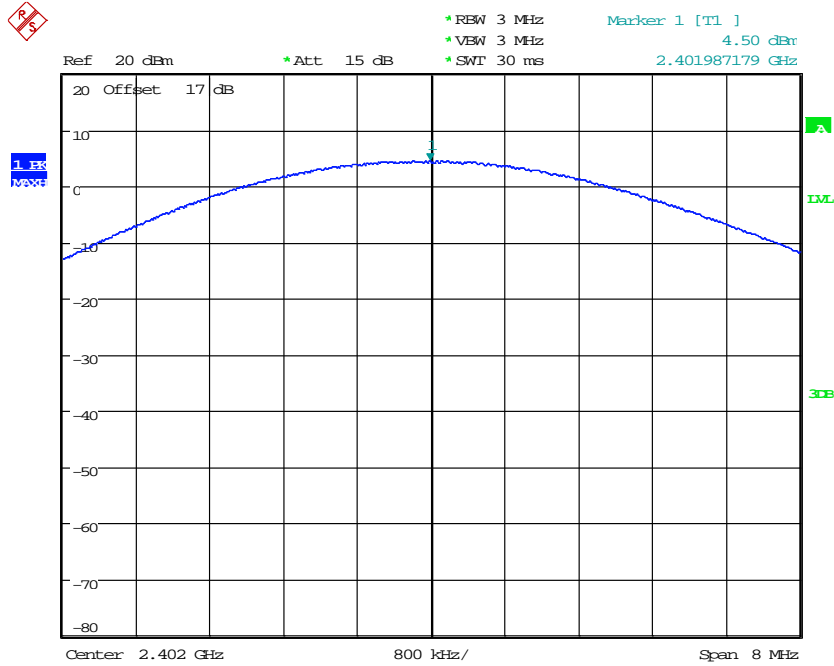
Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS



MAX OUTPUT POWER 802.11N 40MHZ CH7

Date: 25.JAN.2019 11:27:38

BT2.0 Normal

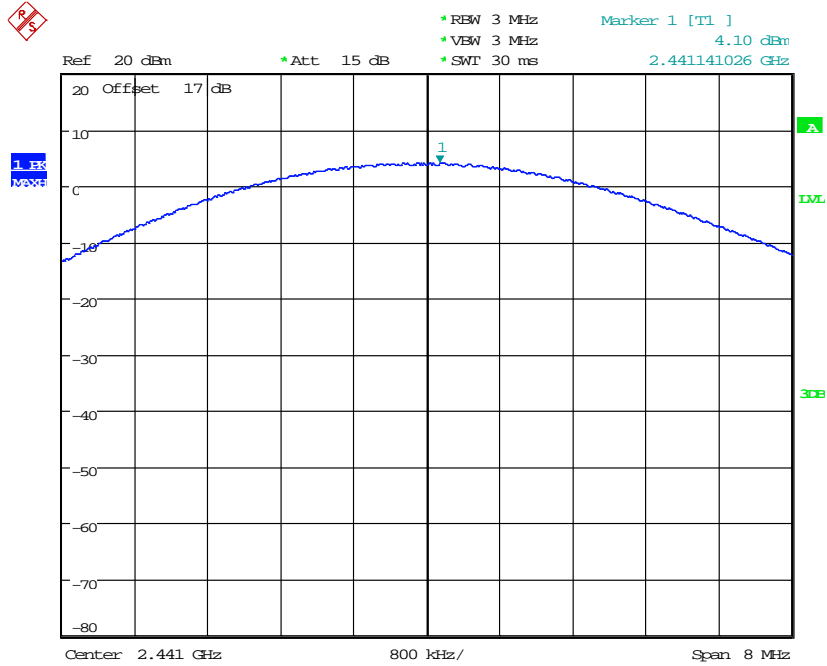


MAX OUTPUT POWER CH0

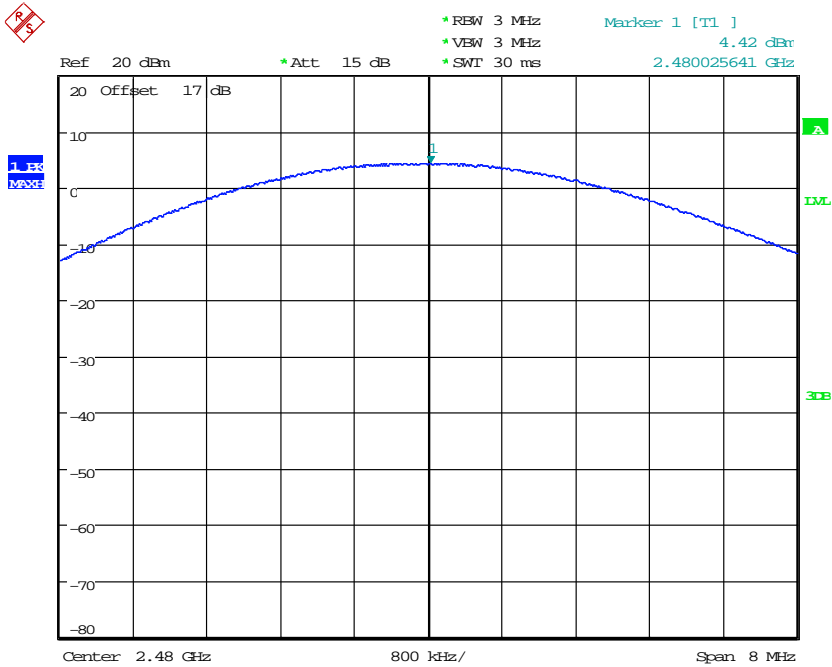
Date: 25.JAN.2019 10:12:44



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



MAX OUTPUT POWER CH39
Date: 25.JAN.2019 10:15:16

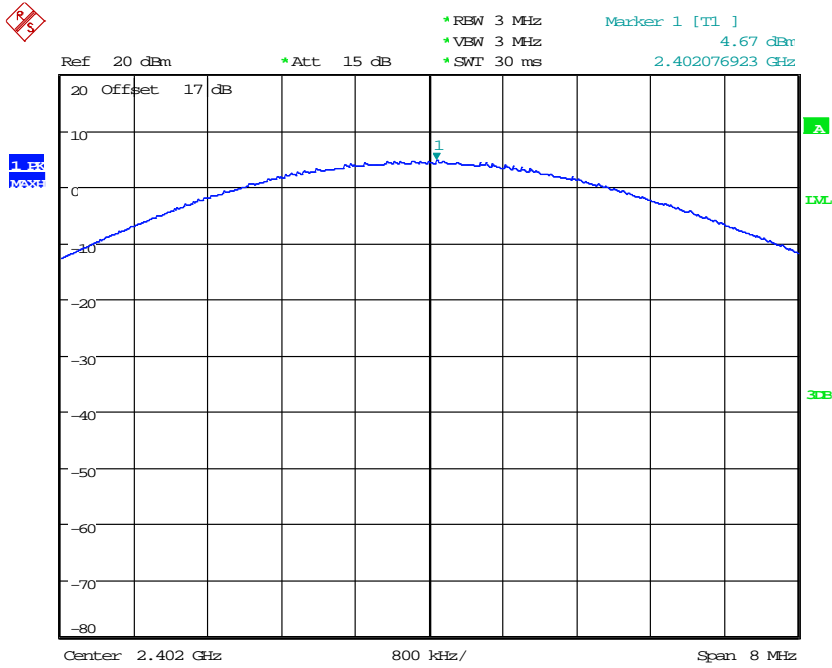


MAX OUTPUT POWER CH78
Date: 25.JAN.2019 10:15:48

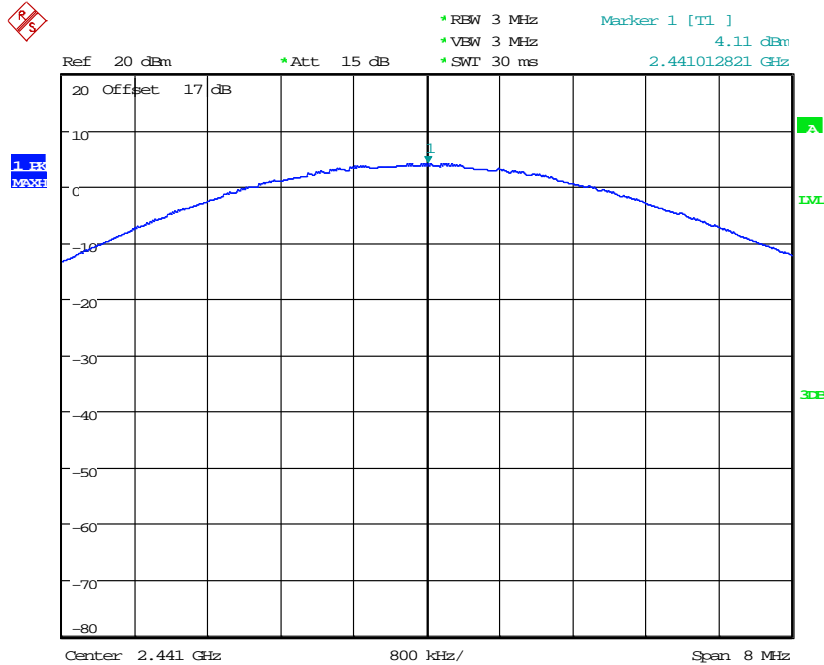


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

EDR



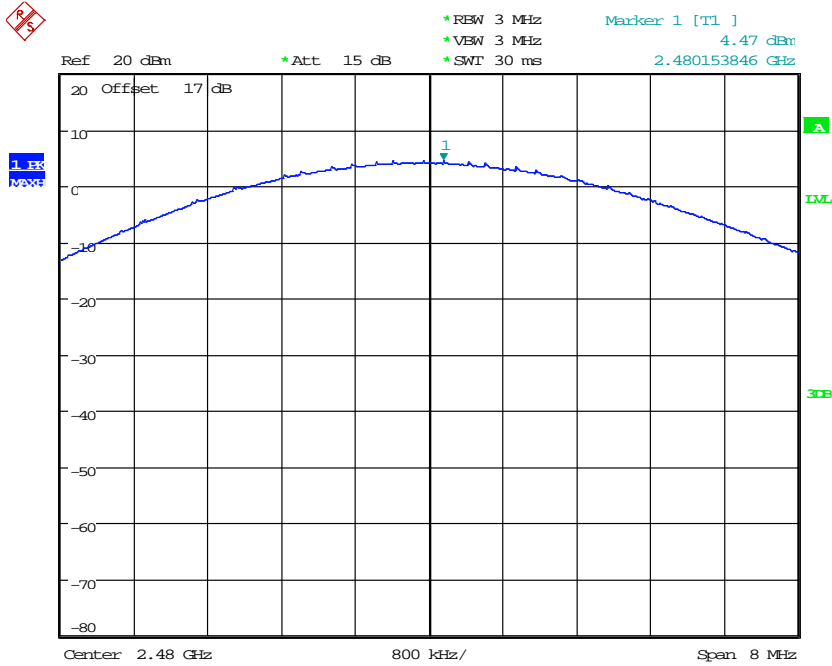
MAX OUTPUT POWER CH0 EDR MODE
Date: 25.JAN.2019 10:27:24



MAX OUTPUT POWER CH39 EDR MODE
Date: 25.JAN.2019 10:28:08



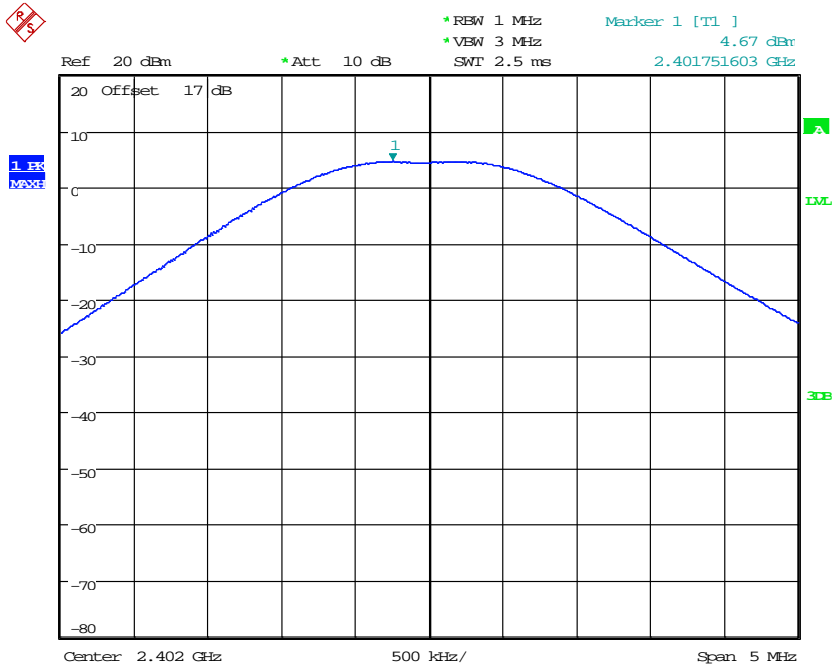
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



MAX OUTPUT POWER CH78 EDR MODE

Date: 25.JAN.2019 10:28:56

BT4.0



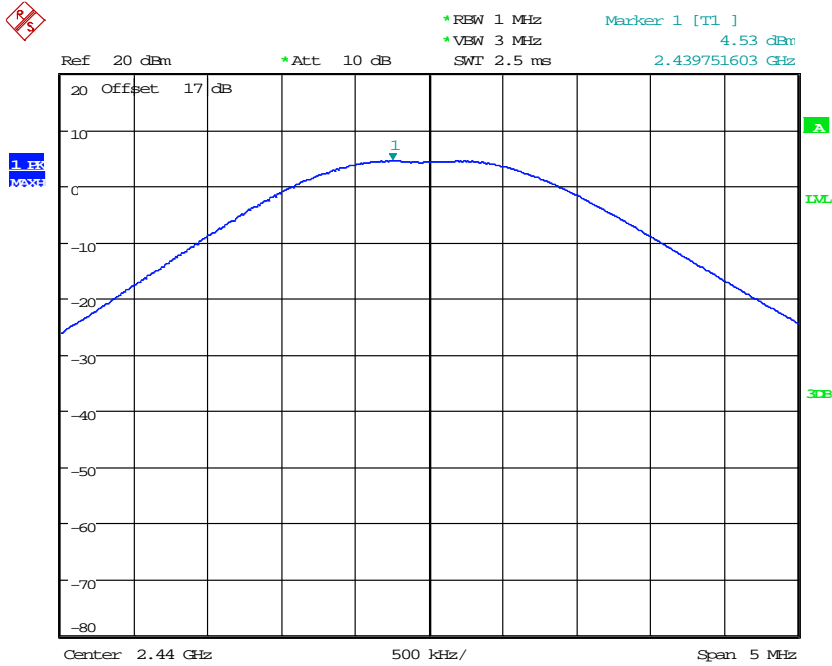
MAX OUTPUT POWER BT4.0 CH00

Date: 25.JAN.2019 10:07:04



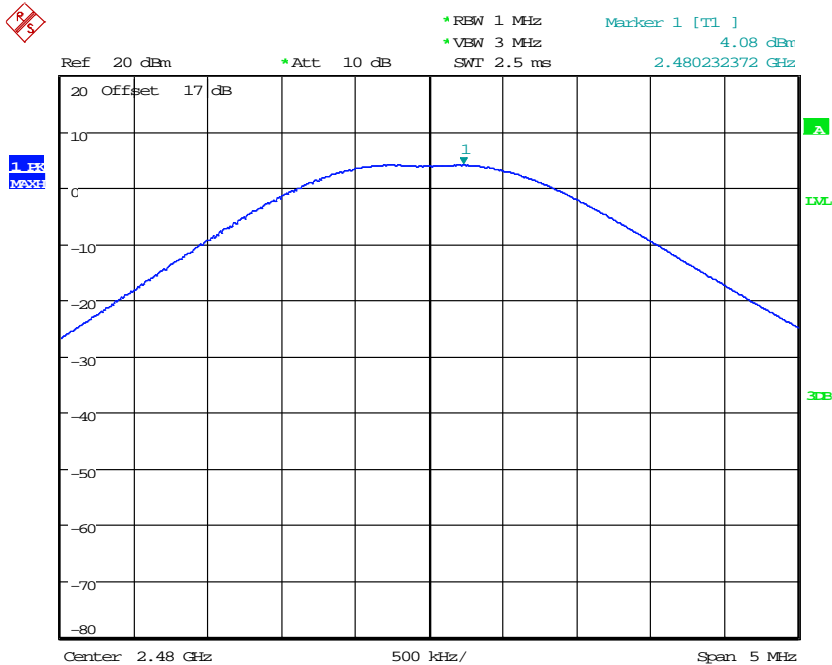
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



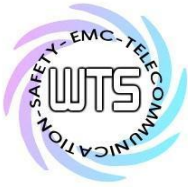
MAX OUTPUT POWER BT4.0 CH19

Date: 25.JAN.2019 10:07:56



MAX OUTPUT POWER BT4.0 CH39

Date: 25.JAN.2019 10:09:26



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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



Registration number: W6D21901-18771-C-1

FCC ID: 2ASF3FPTS

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

Test exclusion = max. conducted output power

Test exclusion = 16.70 dBm

RESULT:

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

3.3 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4 \pi R^2}$$

- S – Power Density
- P – Output power ERP
- R – Distance
- D – Cable Loss
- AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	46.77	Peak value
D	dB		--
AG	dBi	1.5	--
G	--	1.413	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.013	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm ²)
1500 – 100.000	1.0



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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.



Registration number: W6D21901-18771-C-1

FCC ID: 2ASF3FPTS

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(c), 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.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

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:	FPTS	Date:	--
Mode:	--	Temperature:	-- °C Engineer: --
Polarization:	--	Humidity:	-- %

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. Measurement uncertainty for 3m measurement: 30-1000 MHz = ± 3.49 dB, 1-18 GHz = ± 3.01 dB, 18-40 GHz = ± 2.43 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2. The decision rule is "false acceptance".
6. 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

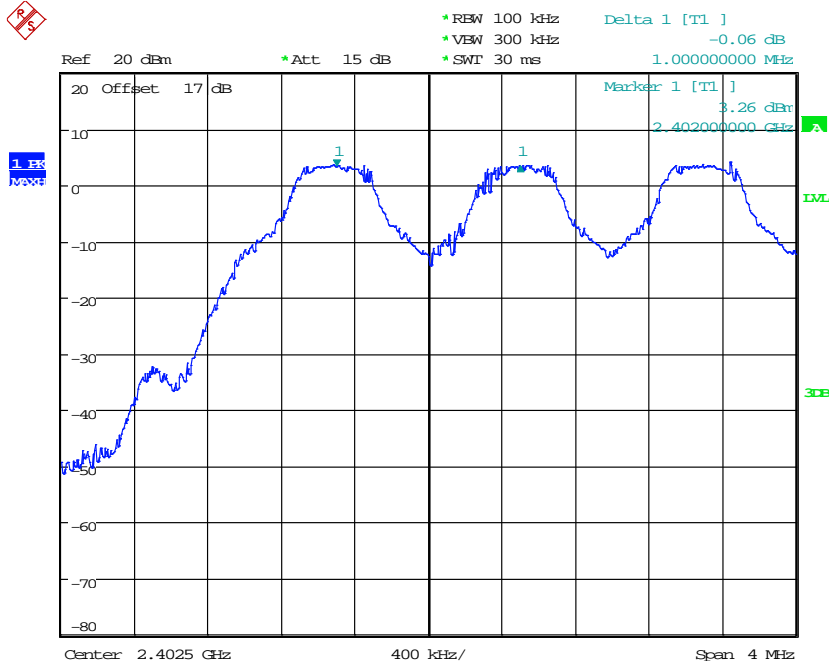


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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.

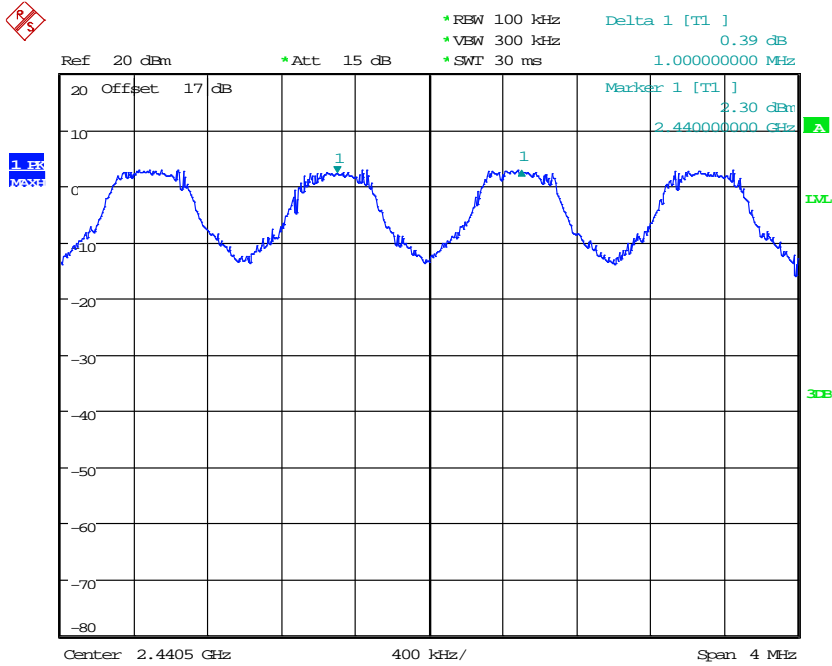
BT2.0



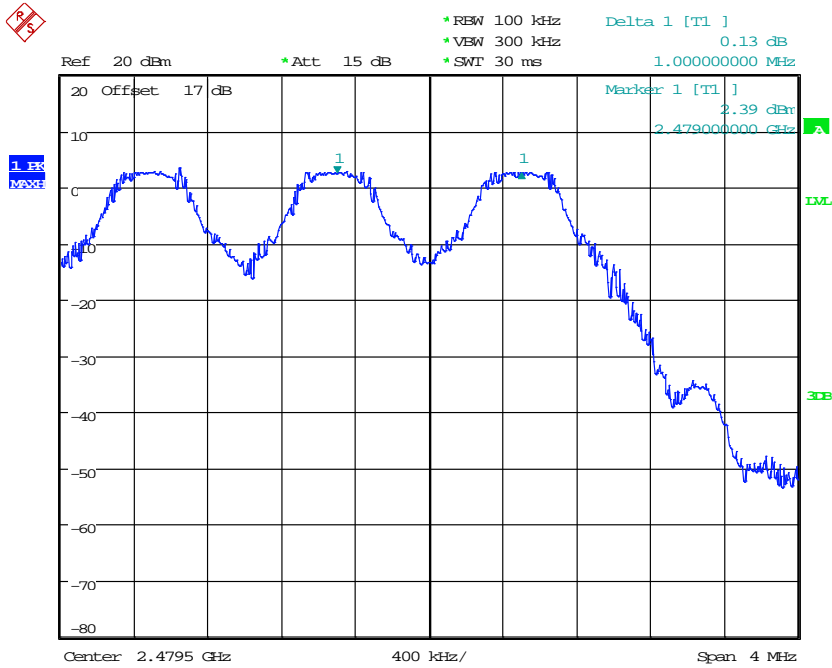
FREQUENCY SEPARATION CH0
Date: 25.JAN.2019 10:19:32



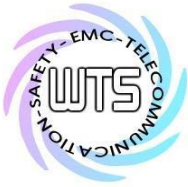
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



FREQUENCY SEPARATION CH39
Date: 25.JAN.2019 10:20:16



FREQUENCY SEPARATION CH78
Date: 25.JAN.2019 10:21:04



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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



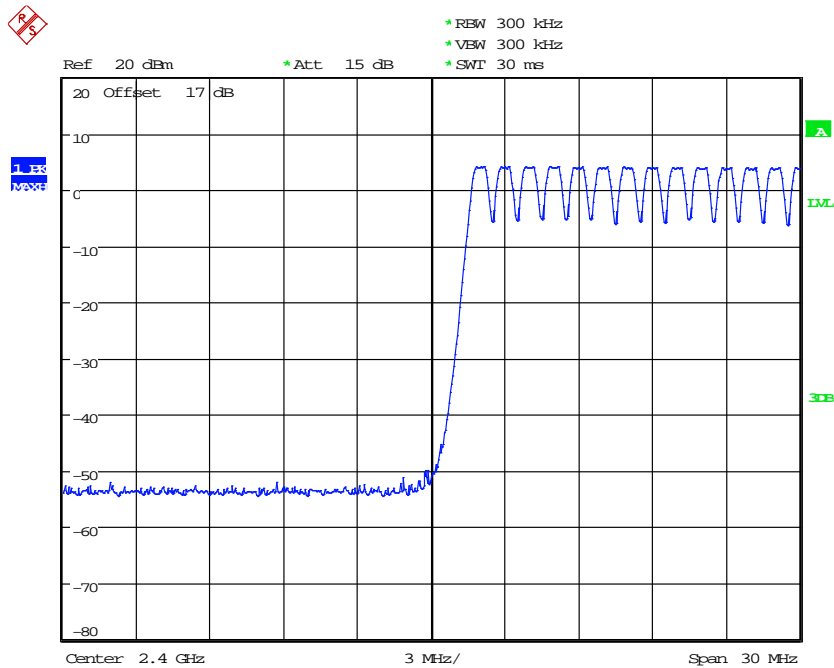
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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 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.

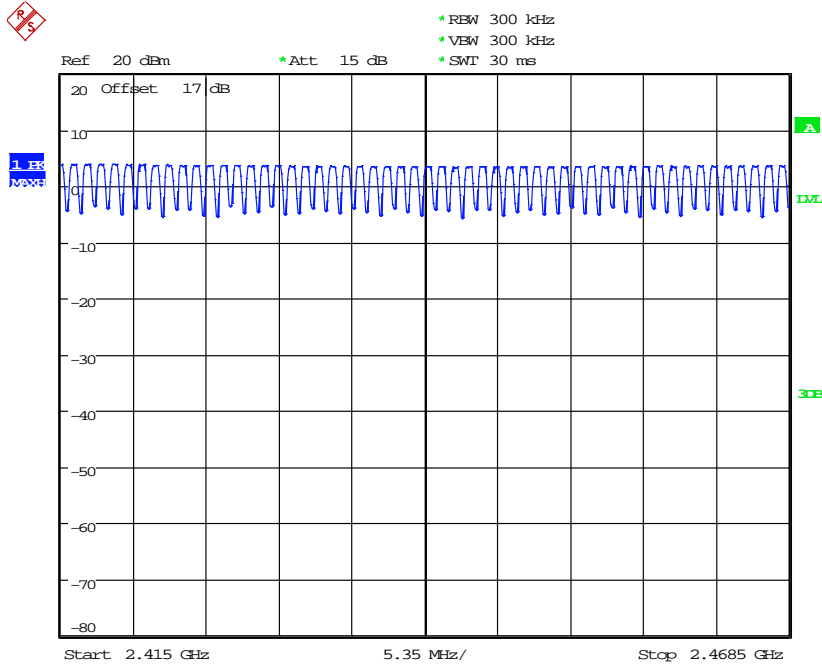
BT2.0



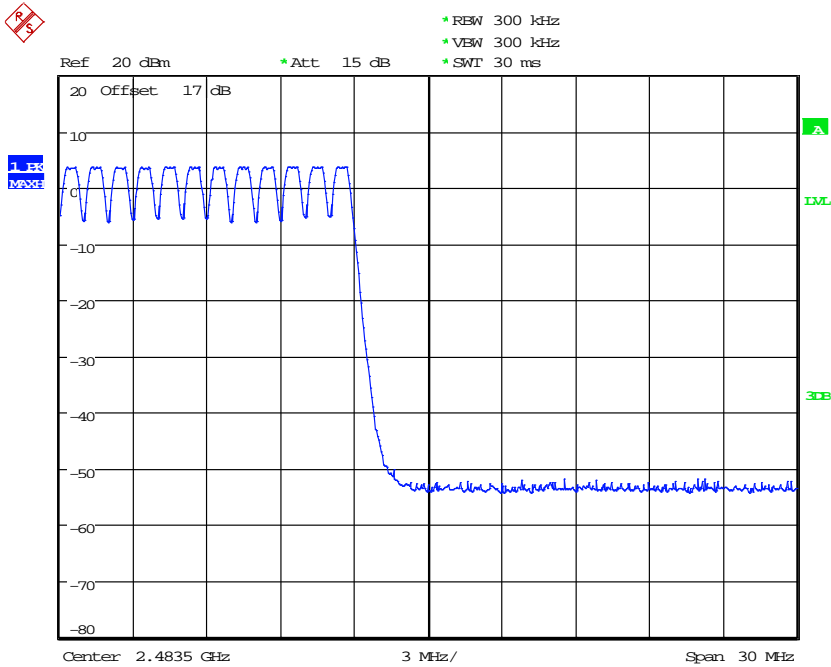
NUMBER OF HOPPING CH0-13
Date: 25.JAN.2019 10:16:52



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



NUMBER OF HOPPING CH14-66
Date: 25.JAN.2019 10:18:40



NUMBER OF HOPPING CH67-78
Date: 25.JAN.2019 10:17:32



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

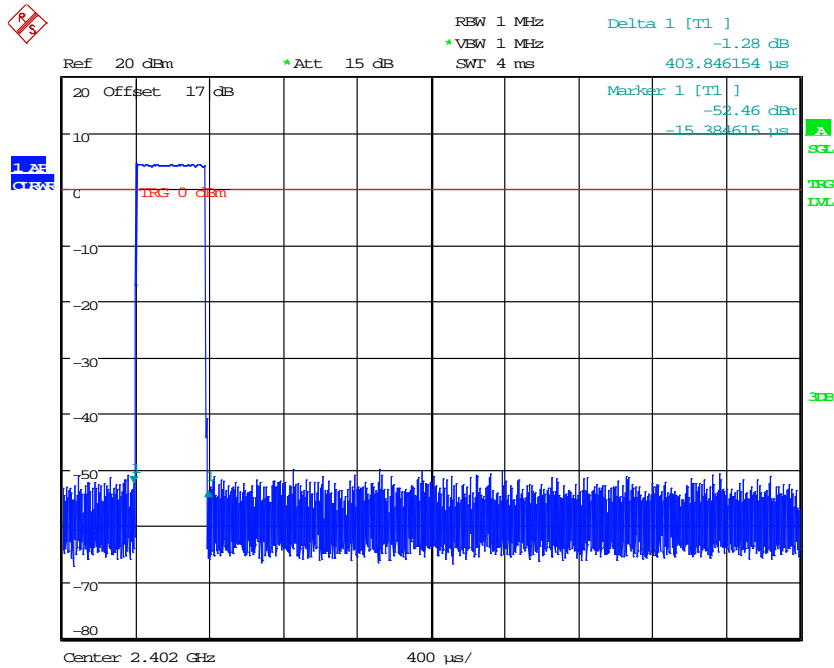
3.8 Time of Occupancy (Dwell Time)

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 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.

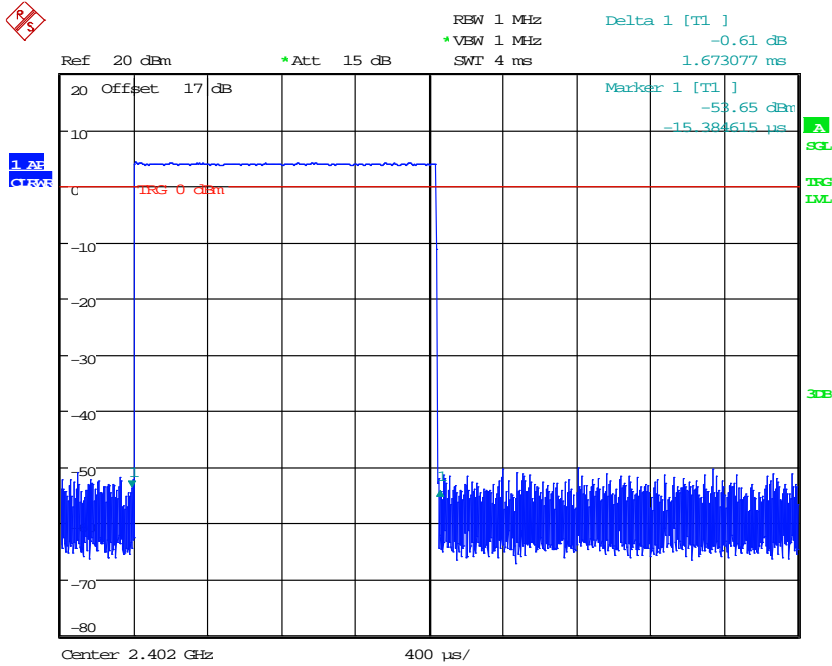
BT2.0



DWELL TIME CH0 DH1 (0.403ms * 320event = 128.96ms)
Date: 25.JAN.2019 10:38:50

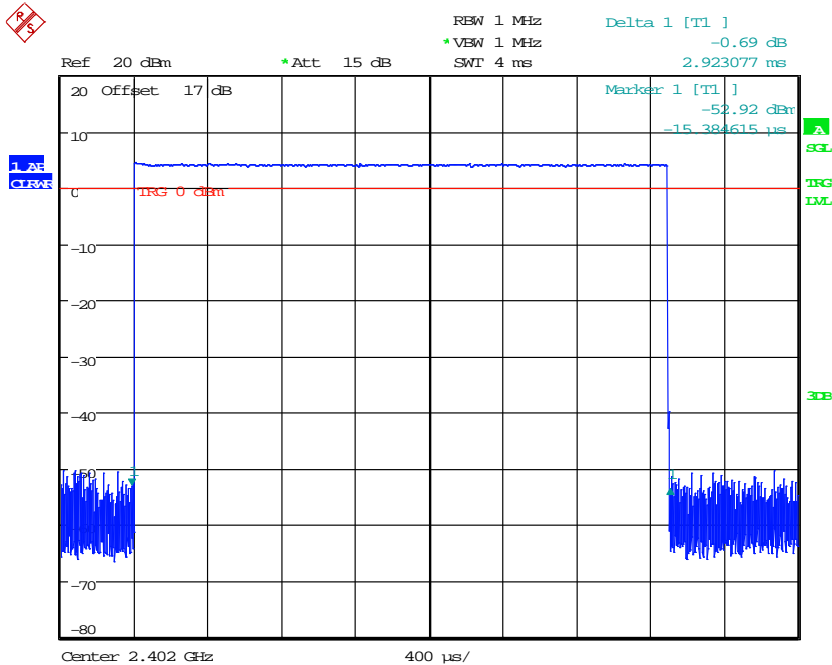


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



DWELL TIME CH0 DH3 (1.673ms * 160event = 267.68ms)

Date: 25.JAN.2019 10:41:29



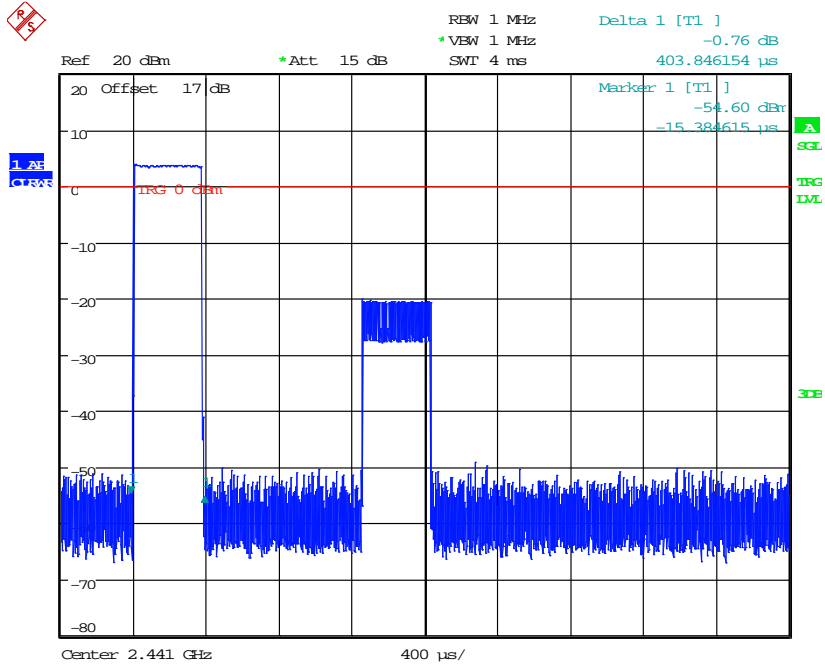
DWELL TIME CH0 DH5 (2.923ms * 106event = 309.838ms)

Date: 25.JAN.2019 10:42:22



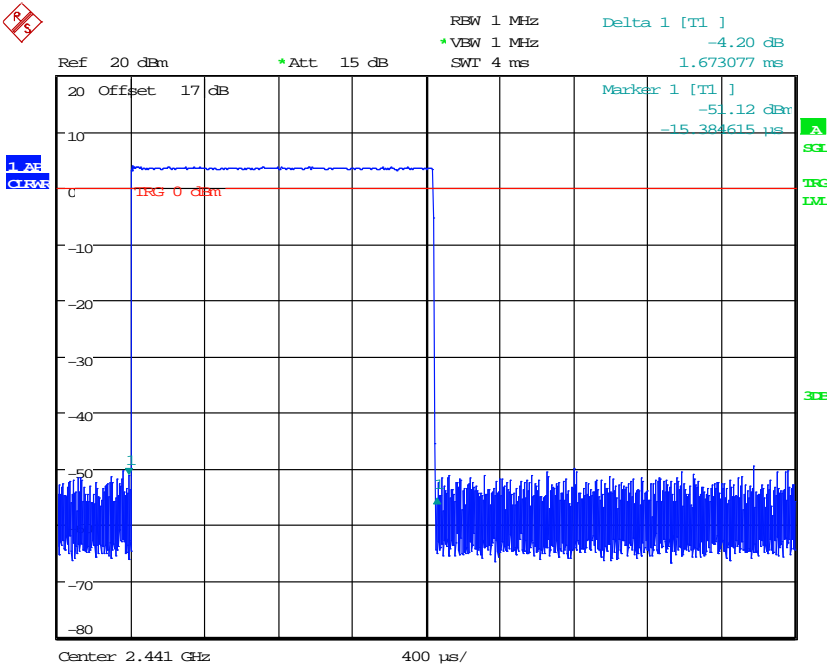
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



DWELL TIME CH39 DH1 (0.403ms * 320event = 128.96ms)

Date: 25.JAN.2019 10:39:14

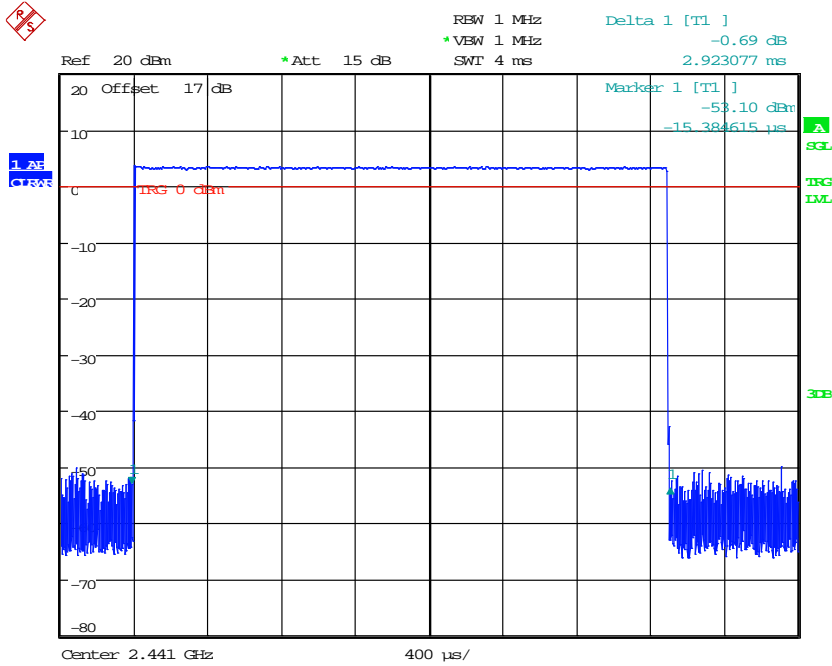


DWELL TIME CH39 DH3 (1.673ms * 160event = 267.68ms)

Date: 25.JAN.2019 10:41:09

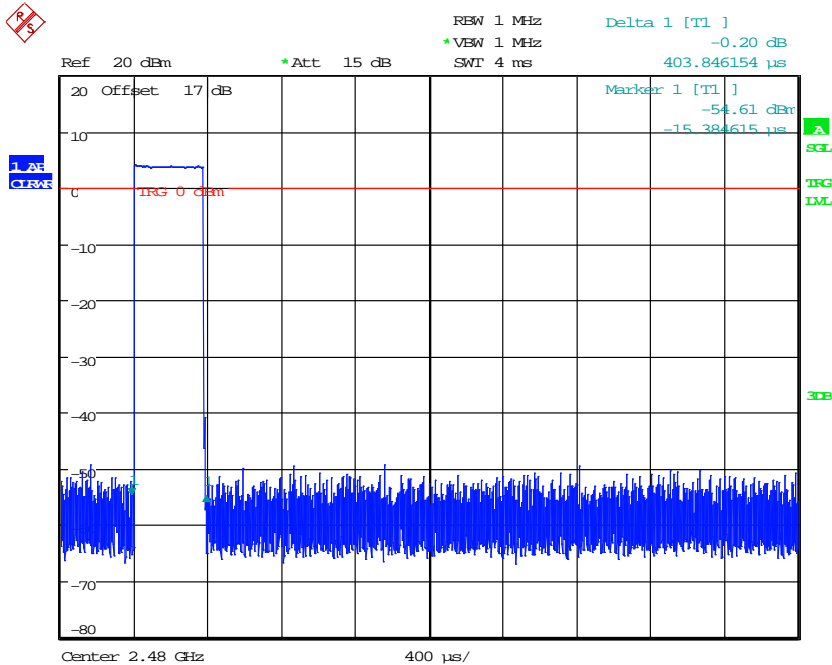


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



DWELL TIME CH39 DH5 (2.923ms * 106event = 309.838ms)

Date: 25.JAN.2019 10:42:41

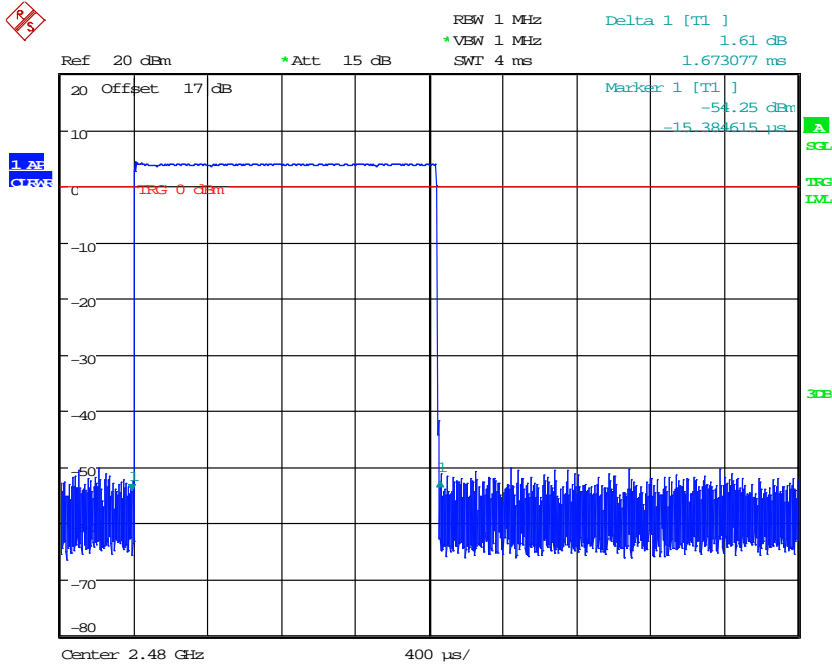


DWELL TIME CH78 DH1 (0.403ms * 320event = 128.96ms)

Date: 25.JAN.2019 10:39:38

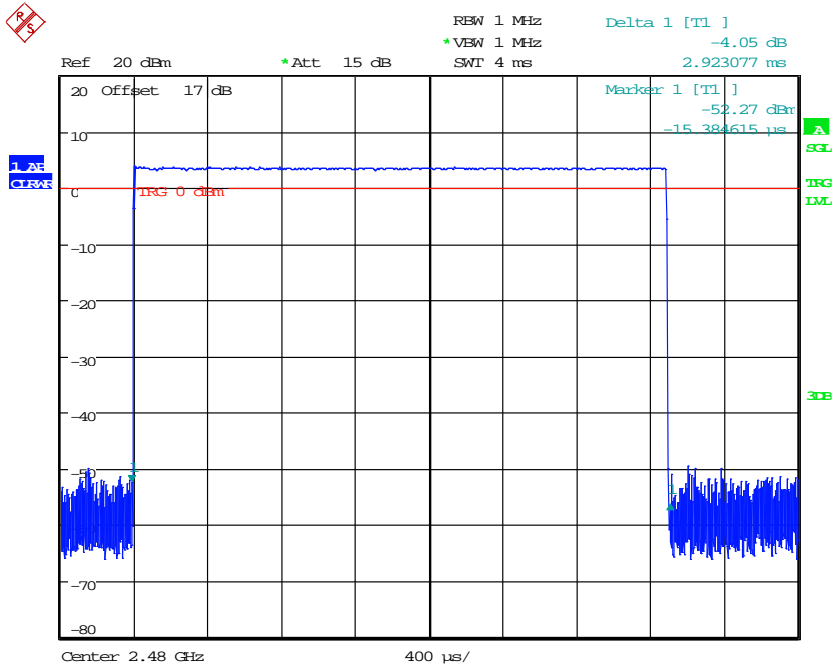


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



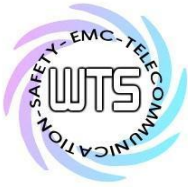
DWELL TIME CH78 DH3 (1.673ms * 160event = 267.68ms)

Date: 25.JAN.2019 10:40:47



DWELL TIME CH78 DH5 (2.923ms * 106event = 309.838ms)

Date: 25.JAN.2019 10:43:02

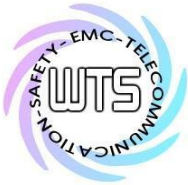


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

Limits and measurement periods:

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

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



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

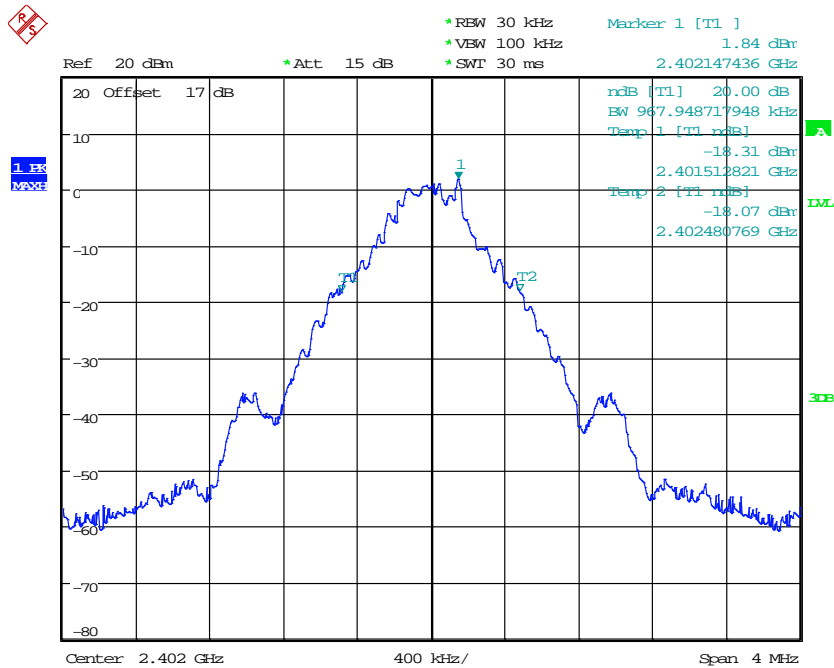
3.9 20dB Bandwidth

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.

BT2.0 Normal

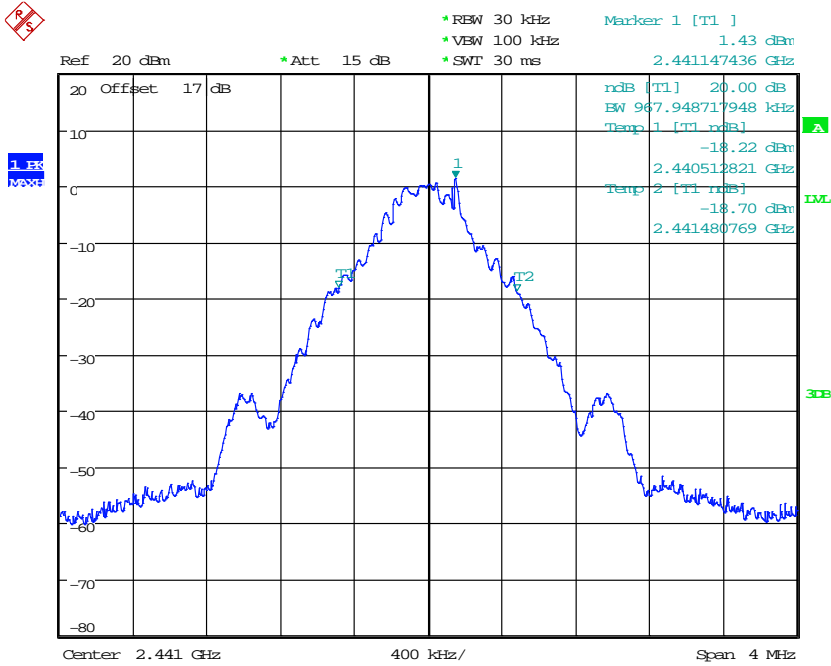


20DB BANDWIDTH CH0
Date: 25.JAN.2019 10:12:52

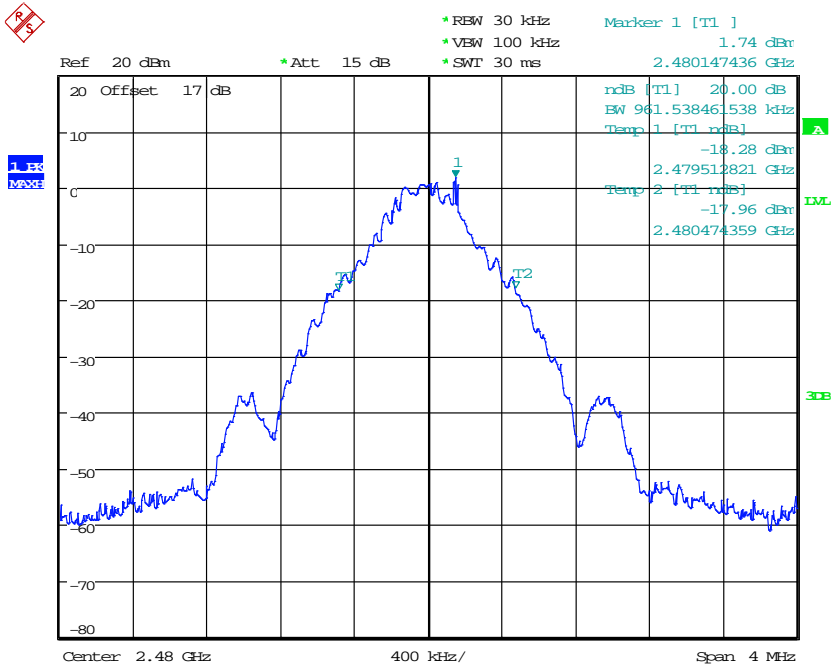


Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



20DB BANDWIDTH CH39
Date: 25.JAN.2019 10:15:24



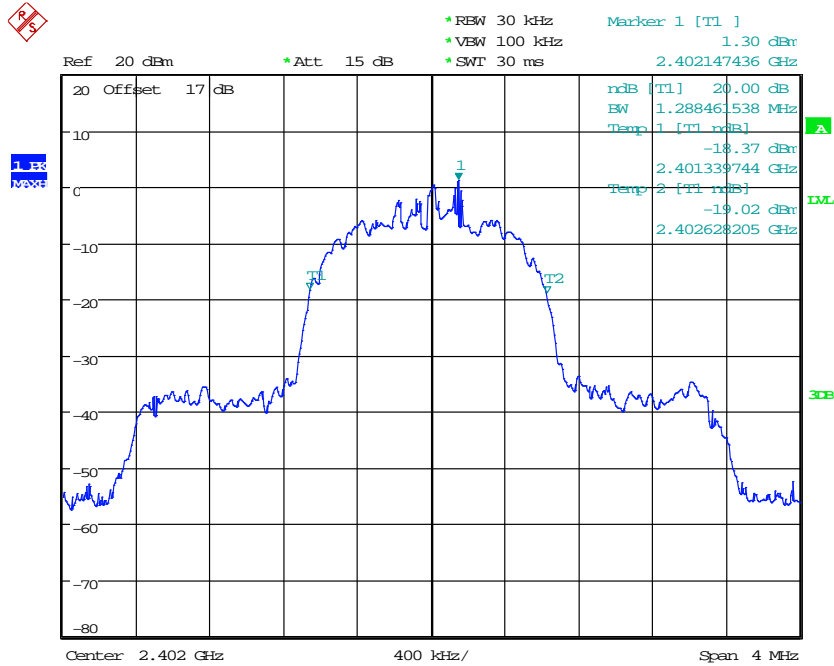
20DB BANDWIDTH CH78
Date: 25.JAN.2019 10:15:56



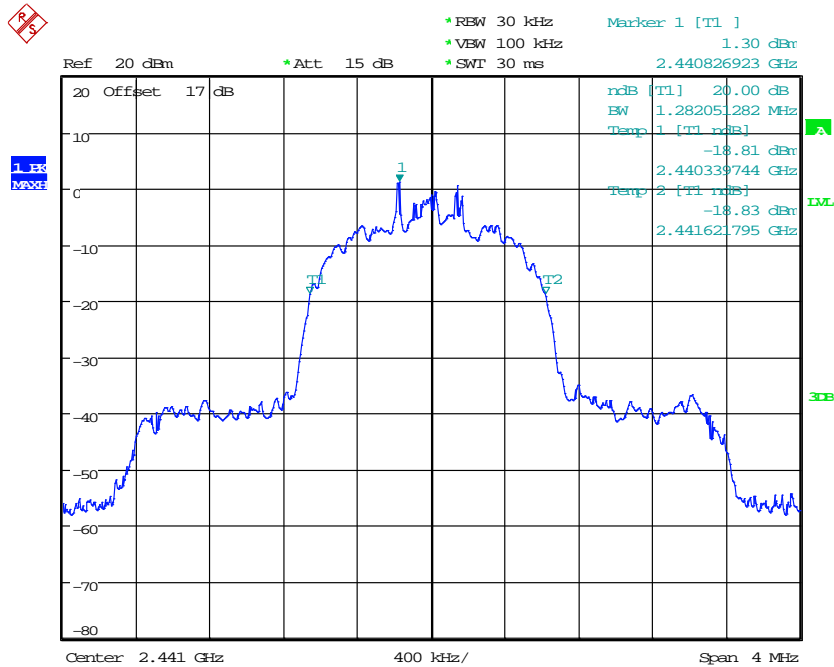
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

EDR



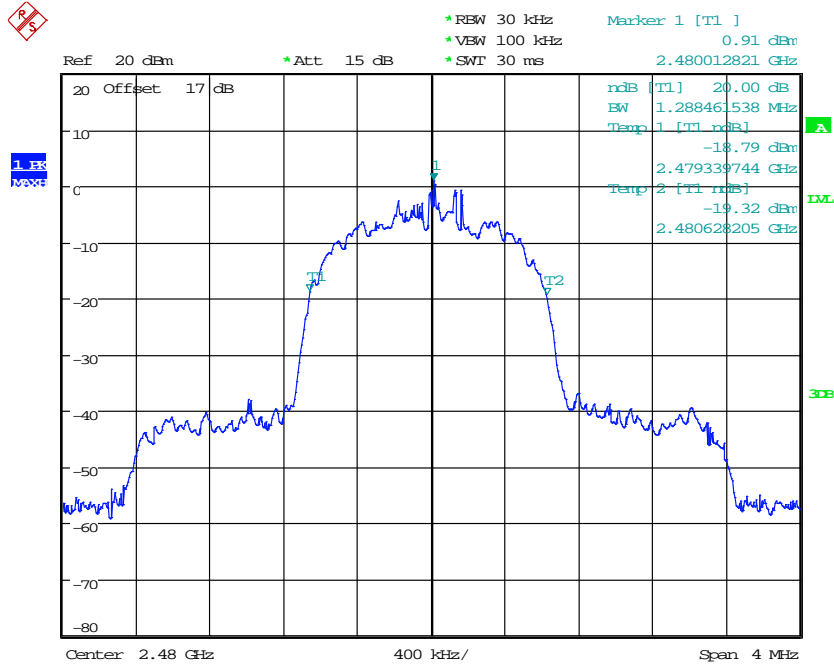
20DB BANDWIDTH CH0 EDR MODE
Date: 25.JAN.2019 10:27:32



20DB BANDWIDTH CH39 EDR MODE
Date: 25.JAN.2019 10:28:16



Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS



20DB BANDWIDTH CH78 EDR MODE
 Date: 25.JAN.2019 10:29:03

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.

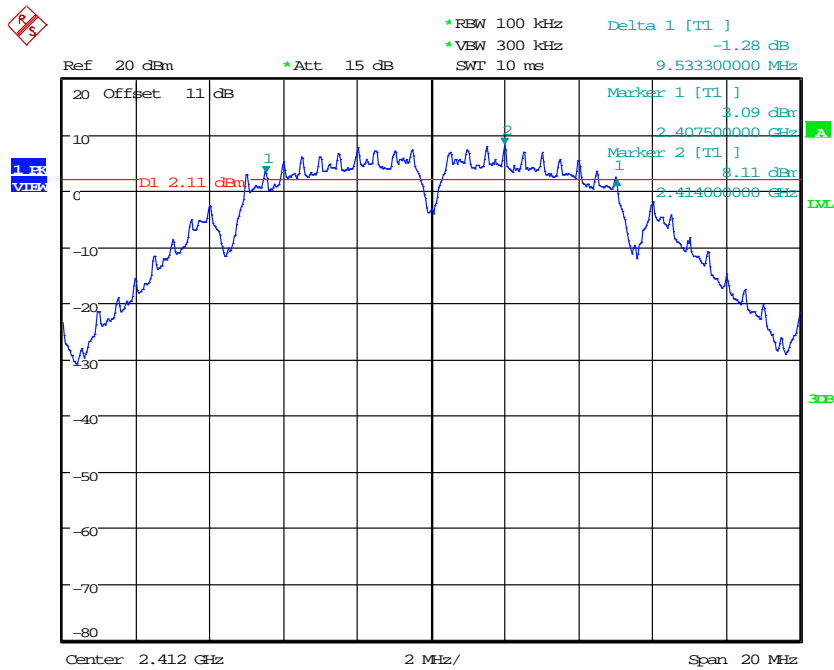


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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.

WiFi 802.11b

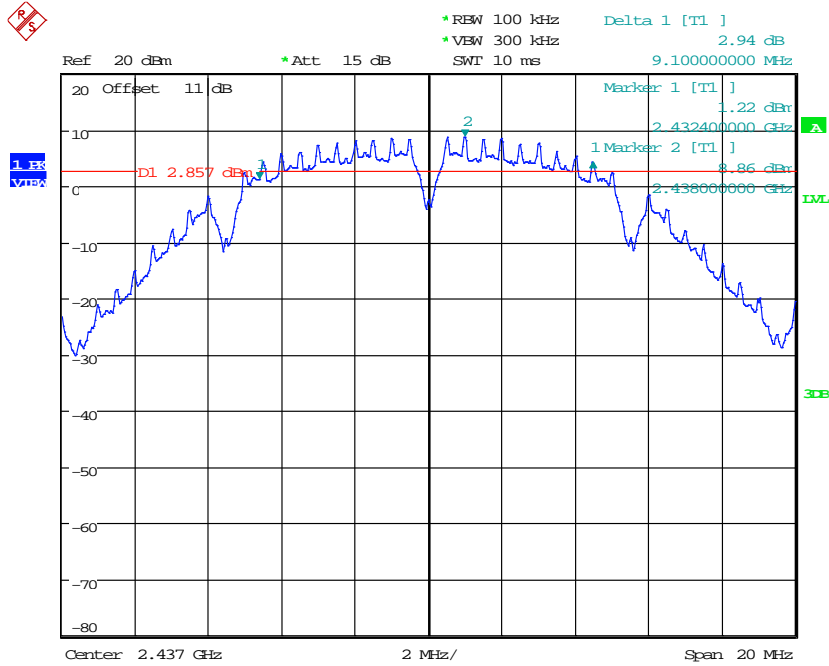


6DB BANDWIDTH 802.11B CH01
Date: 25.JAN.2019 11:15:52

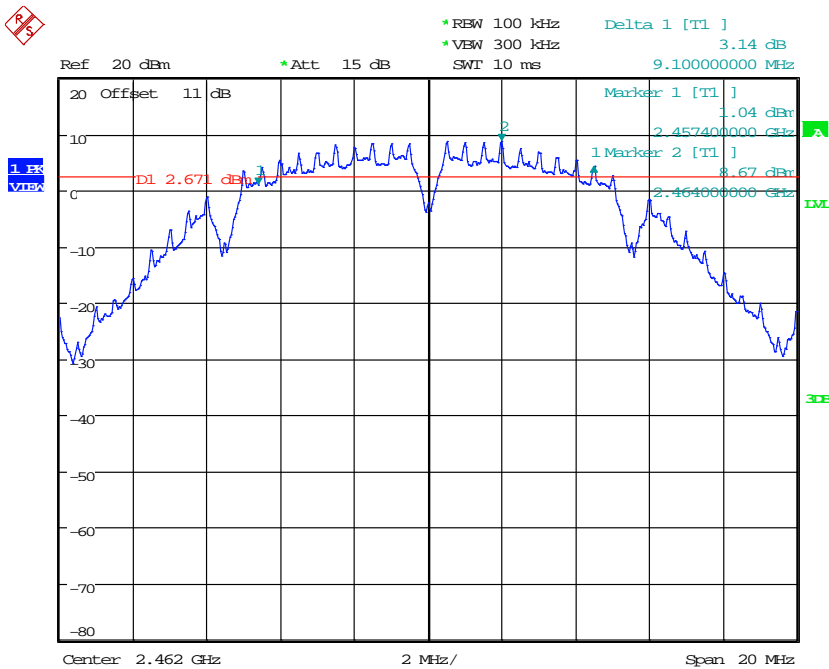


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



6DB BANDWIDTH 802.11B CH06
Date: 25.JAN.2019 11:17:16



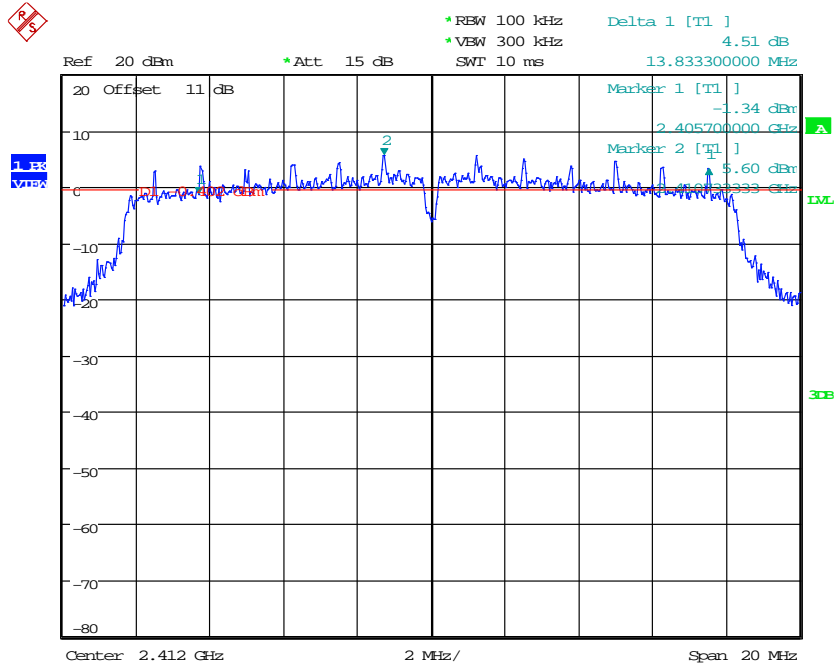
6DB BANDWIDTH 802.11B CH11
Date: 25.JAN.2019 11:18:09



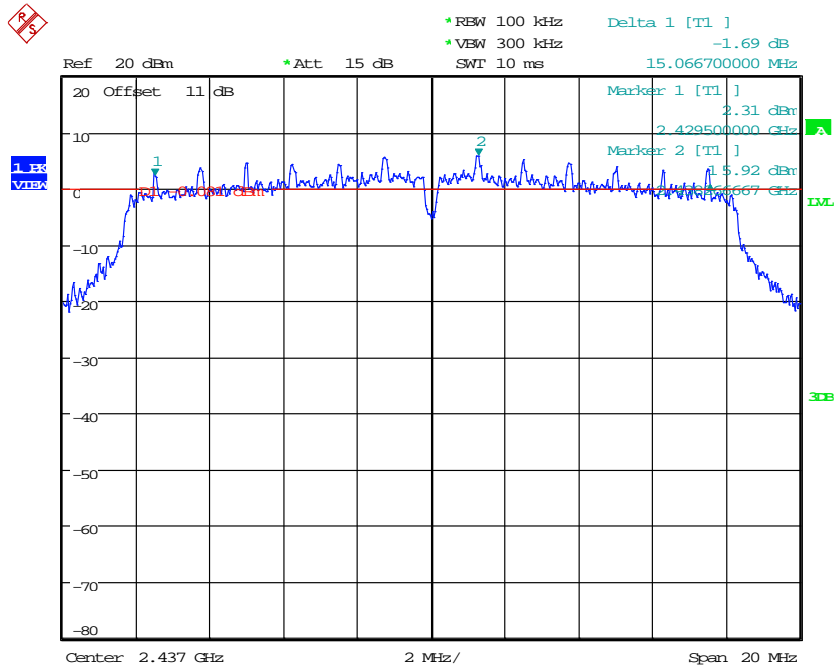
Worldwide Testing Services (Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

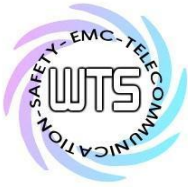
802.11g



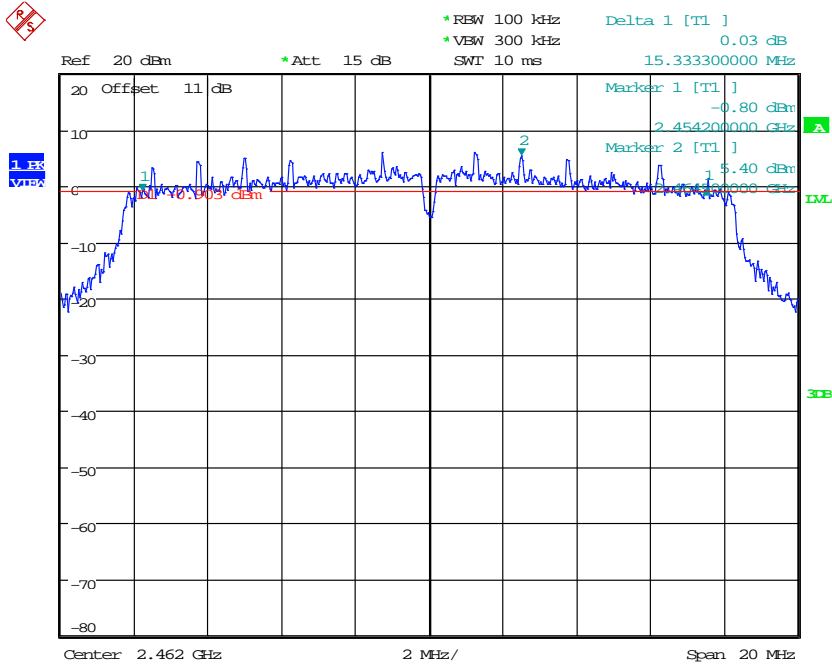
6DB BANDWIDTH 802.11G CH01
Date: 25.JAN.2019 11:19:07



6DB BANDWIDTH 802.11G CH06
Date: 25.JAN.2019 11:20:24

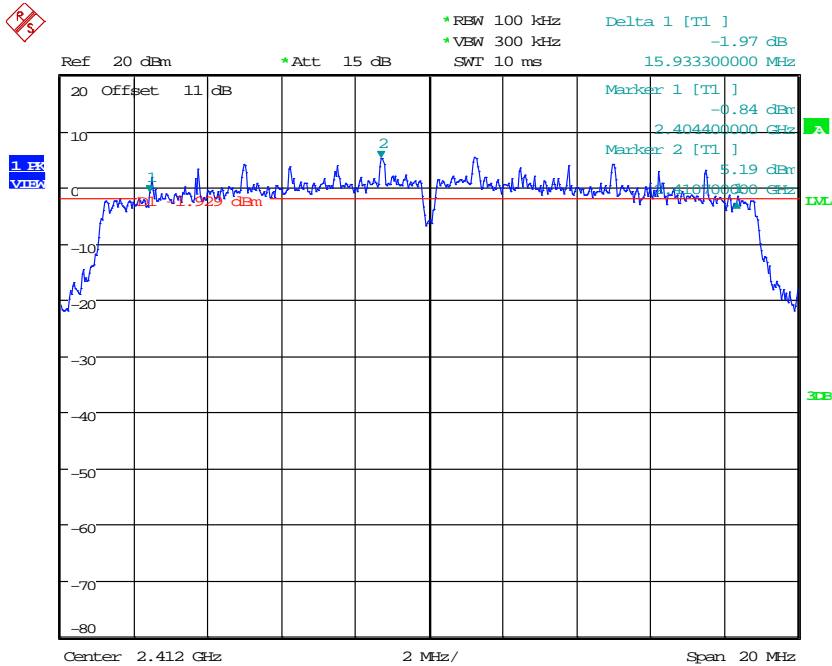


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

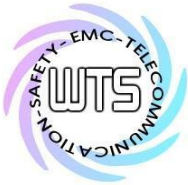


6DB BANDWIDTH 802.11G CH11
Date: 25.JAN.2019 11:21:21

802.11n 20 MHz

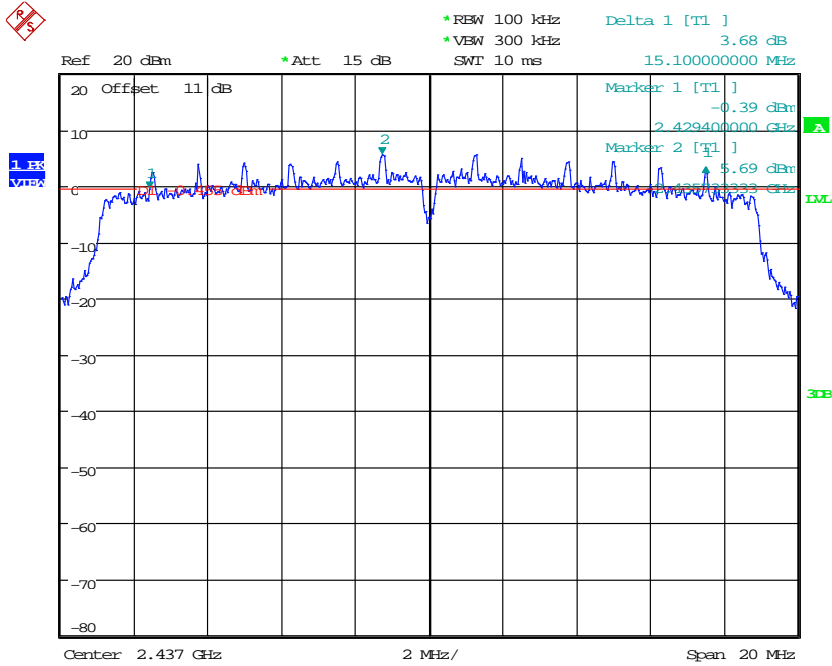


6DB BANDWIDTH 802.11N 20MHZ CH1
Date: 25.JAN.2019 11:22:31



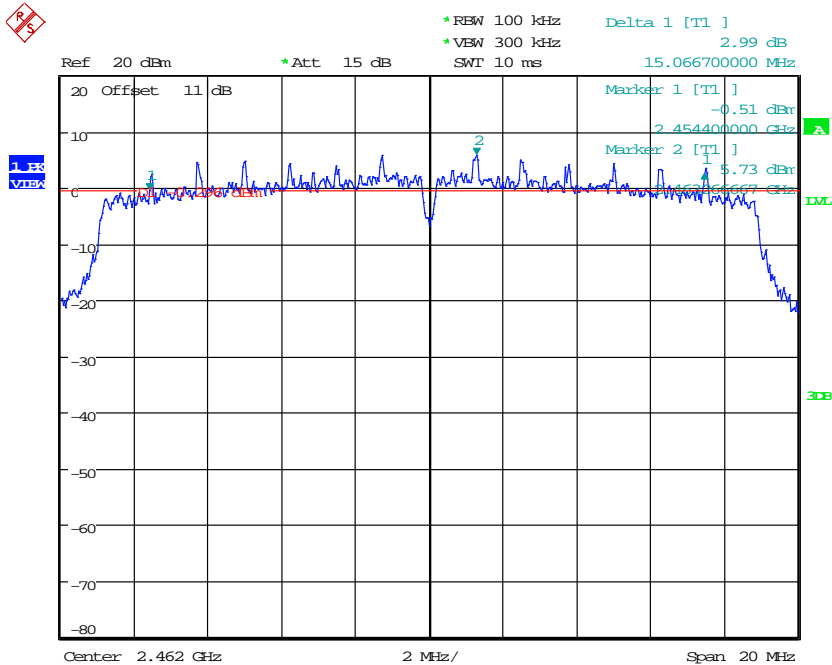
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



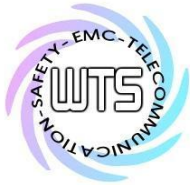
6DB BANDWIDTH 802.11N 20MHZ CH6

Date: 25.JAN.2019 11:23:27



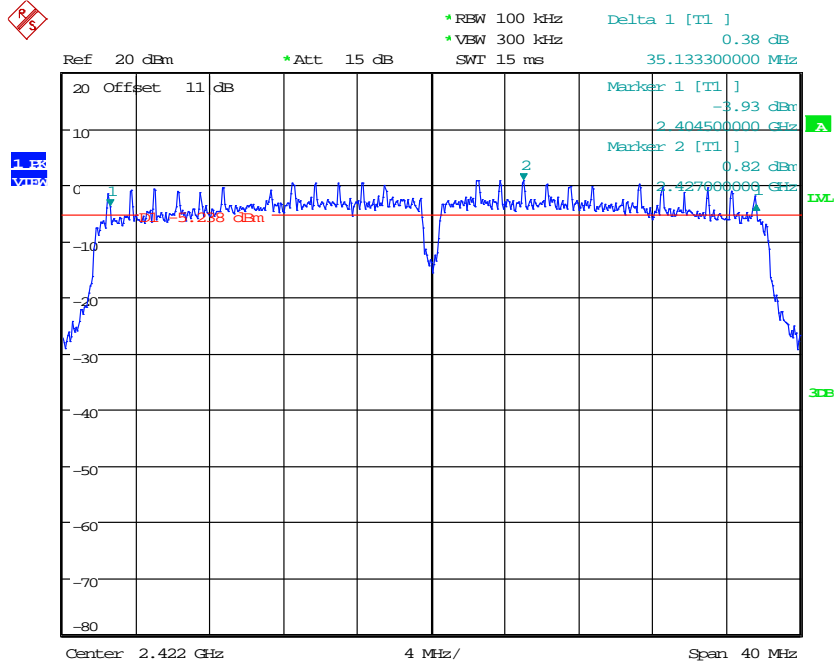
6DB BANDWIDTH 802.11N 20MHZ CH11

Date: 25.JAN.2019 11:24:18

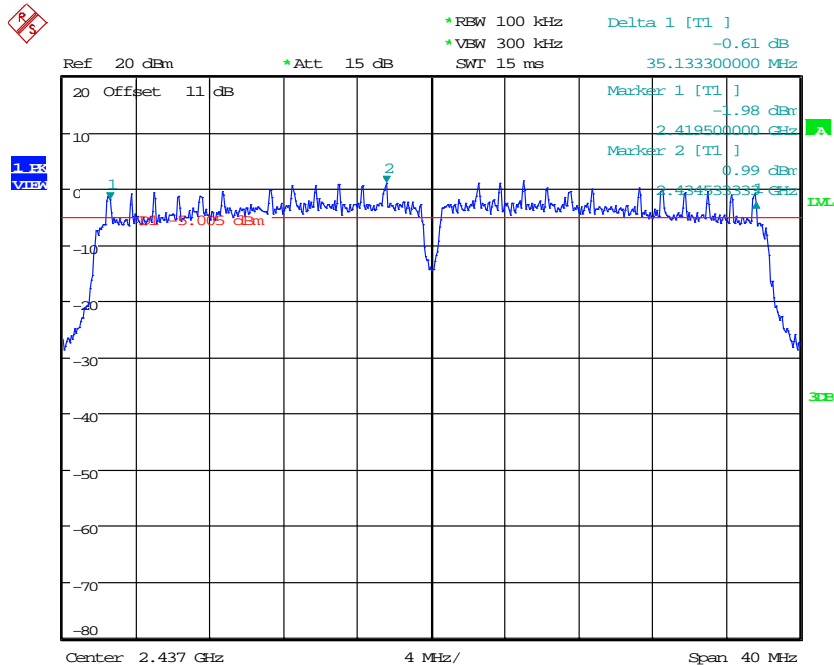


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

802.11n 40 MHz



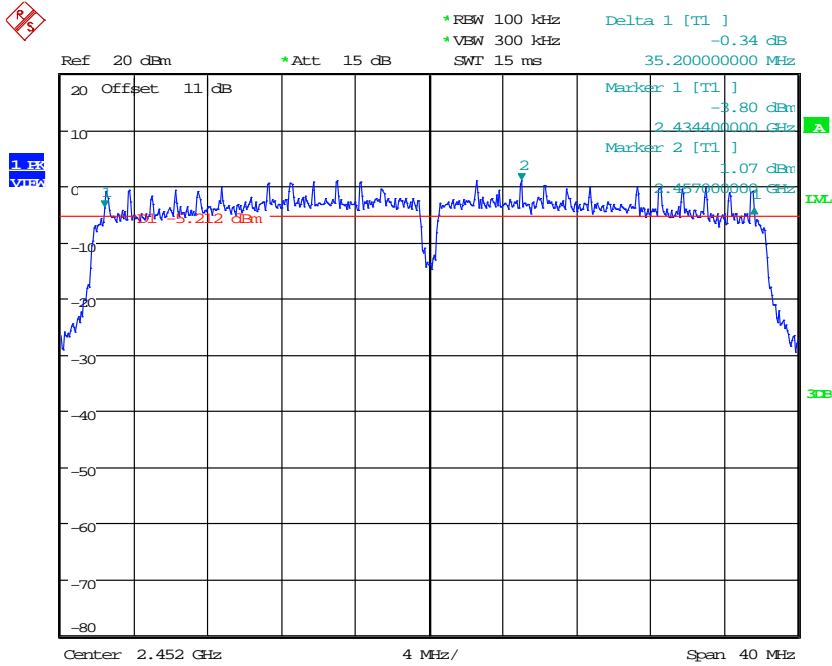
6DB BANDWIDTH 802.11N 40MHZ CH1
Date: 25.JAN.2019 11:25:41



6DB BANDWIDTH 802.11N 40MHZ CH4
Date: 25.JAN.2019 11:27:01

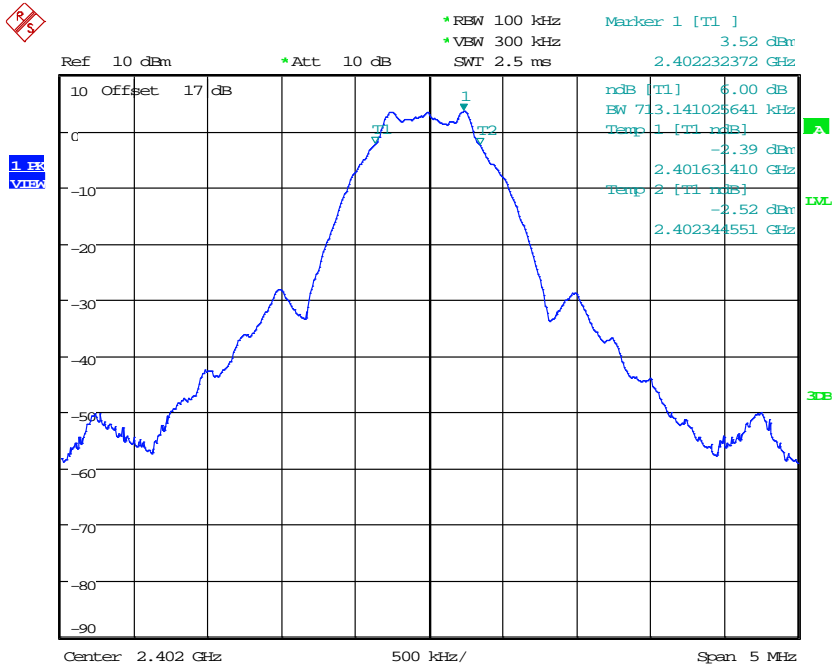


Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS



6DB BANDWIDTH 802.11N 40MHZ CH7
 Date: 25.JAN.2019 11:27:47

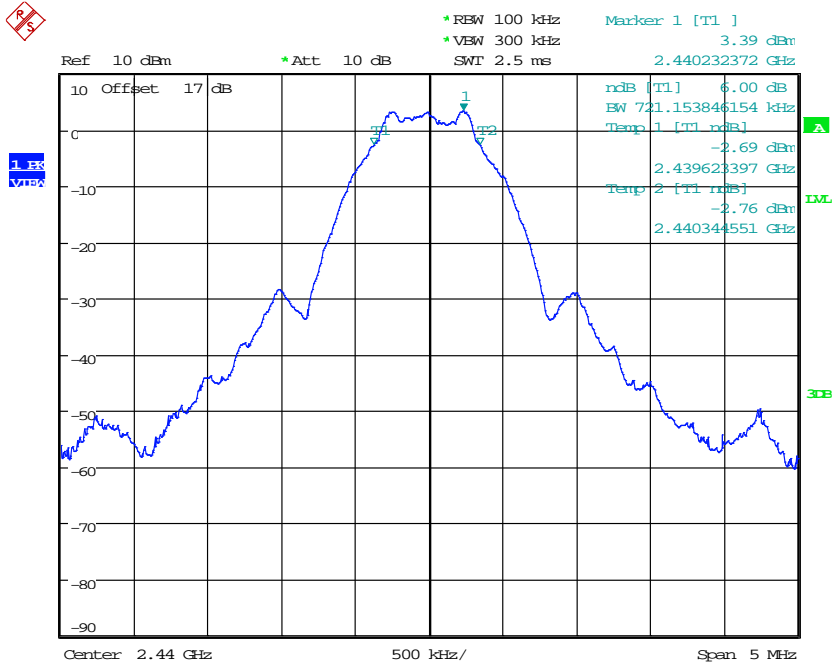
BT4.0



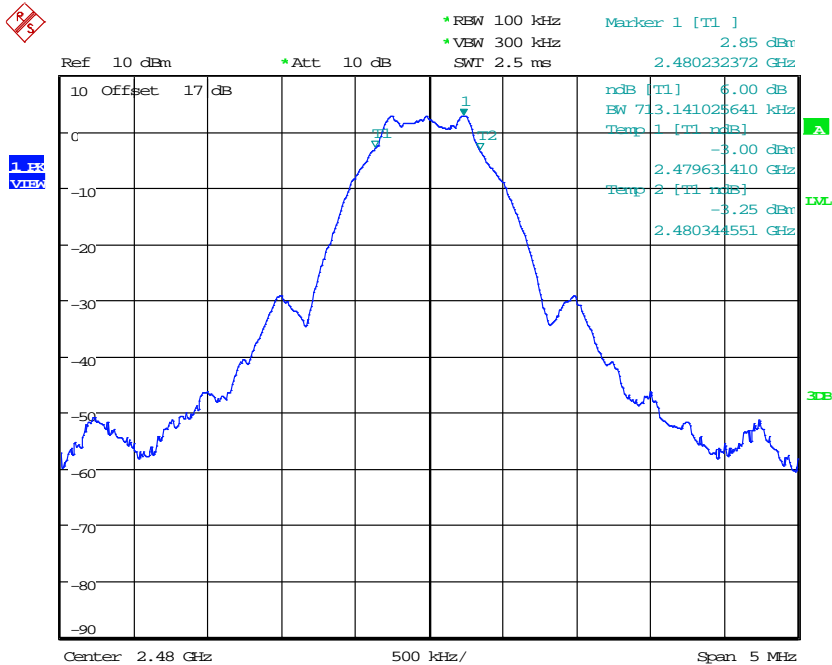
6DB BANDWIDTH BT4.0 CH00
 Date: 25.JAN.2019 10:07:16



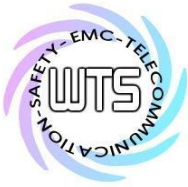
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



6DB BANDWIDTH BT4.0 CH19
Date: 25.JAN.2019 10:08:08



6DB BANDWIDTH BT4.0 CH39
Date: 25.JAN.2019 10:09:38



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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



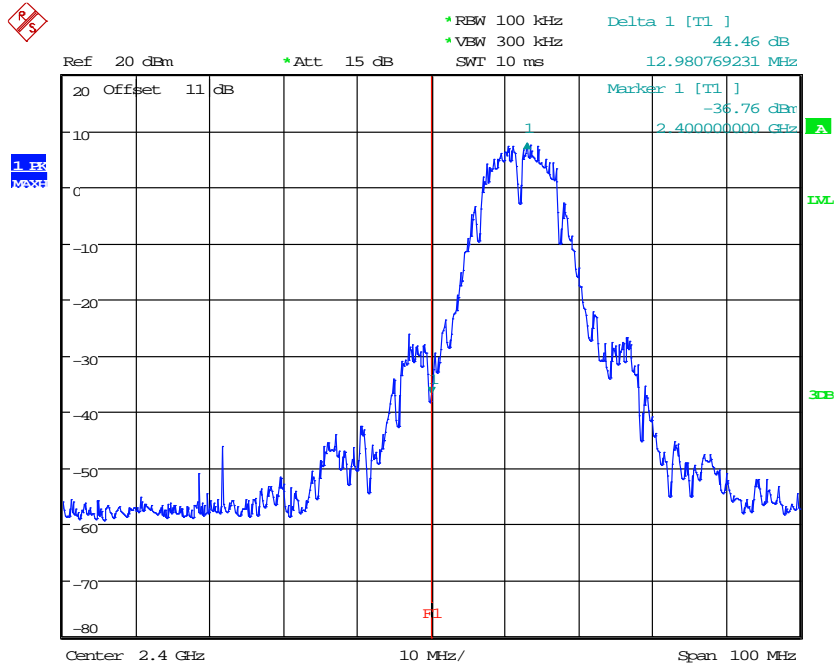
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

3.11 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(c) 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.

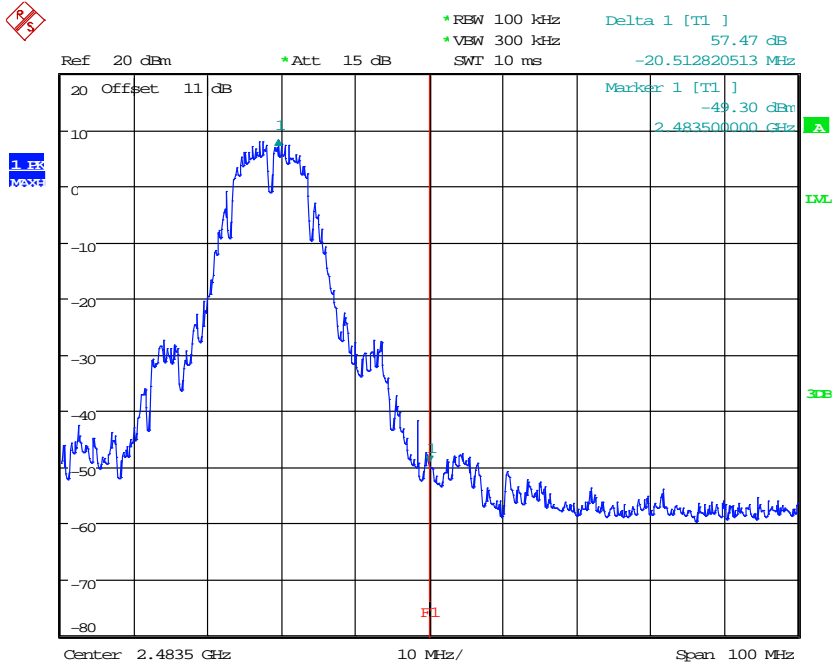
WiFi 802.11b



BANDEDGE 802.11B CH01
Date: 25.JAN.2019 11:16:05

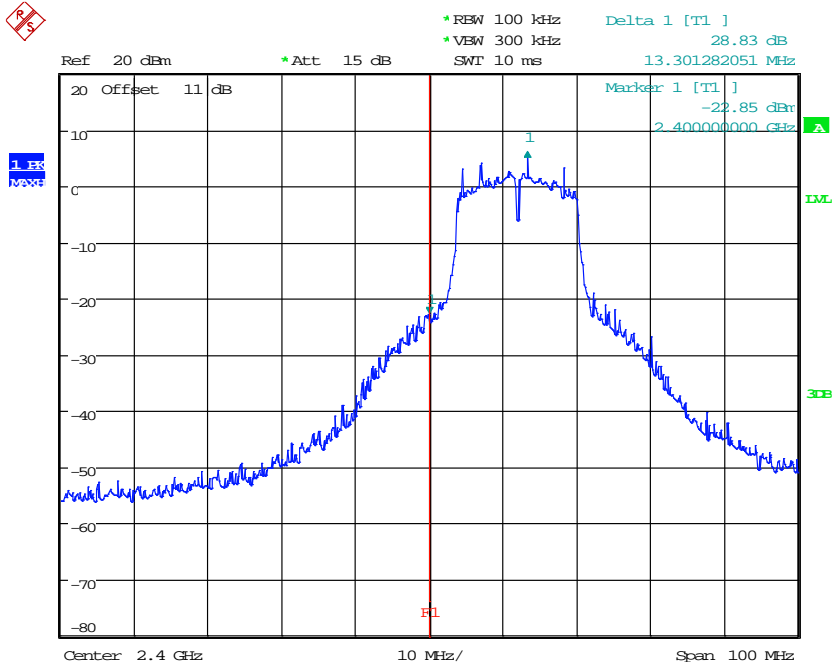


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

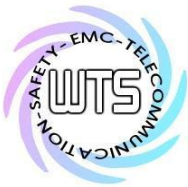


BANDEDGE 802.11B CH11
Date: 25.JAN.2019 11:18:22

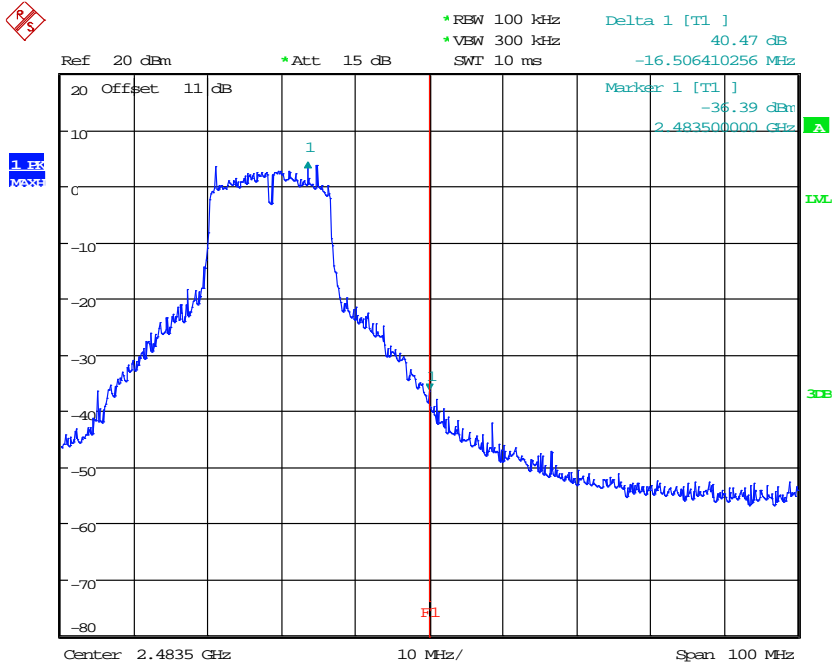
802.11g



BANDEDGE 802.11G CH01
Date: 25.JAN.2019 11:19:20

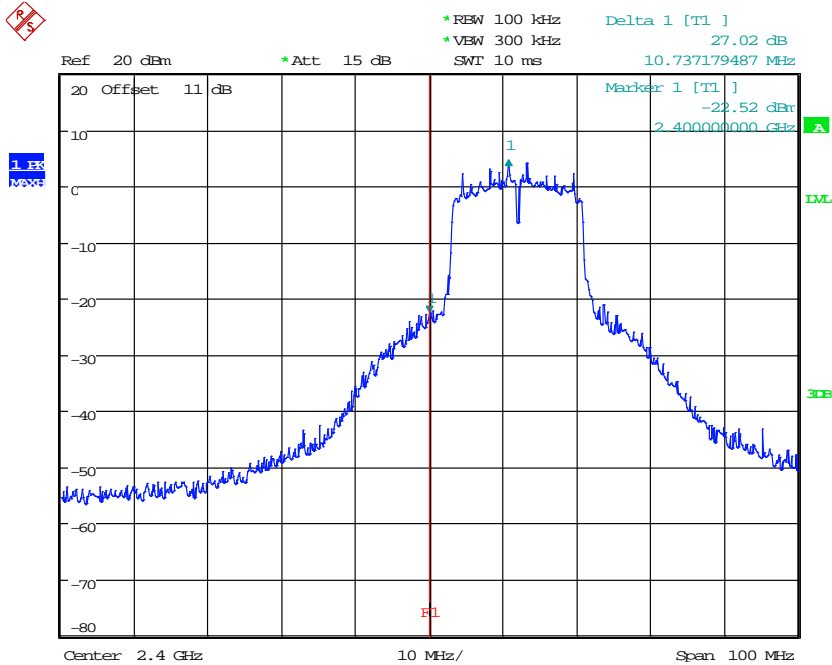


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

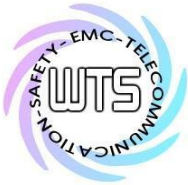


BANDEDGE 802.11G CH11
Date: 25.JAN.2019 11:21:34

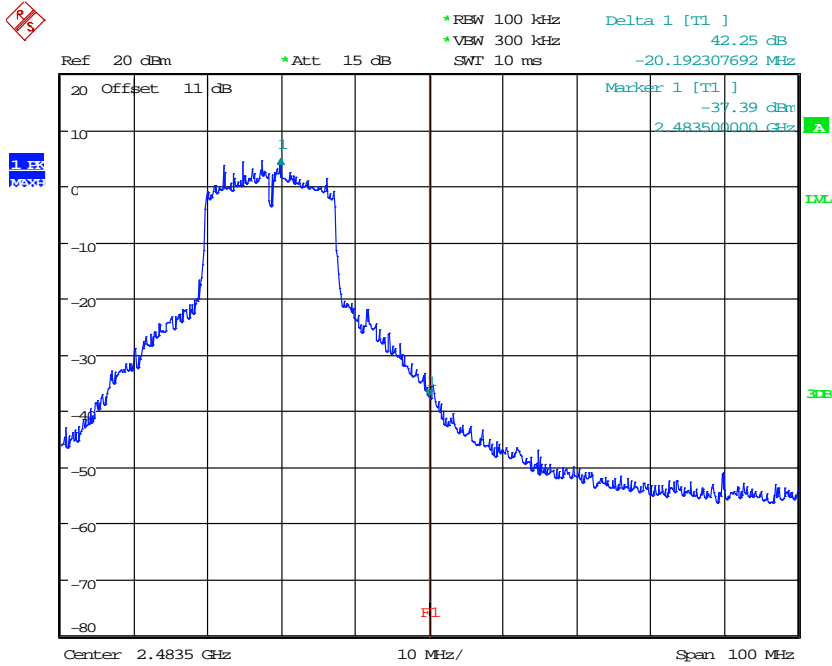
802.11n 20 MHz



BANDEDGE 802.11N 20MHZ CH01
Date: 25.JAN.2019 11:22:45

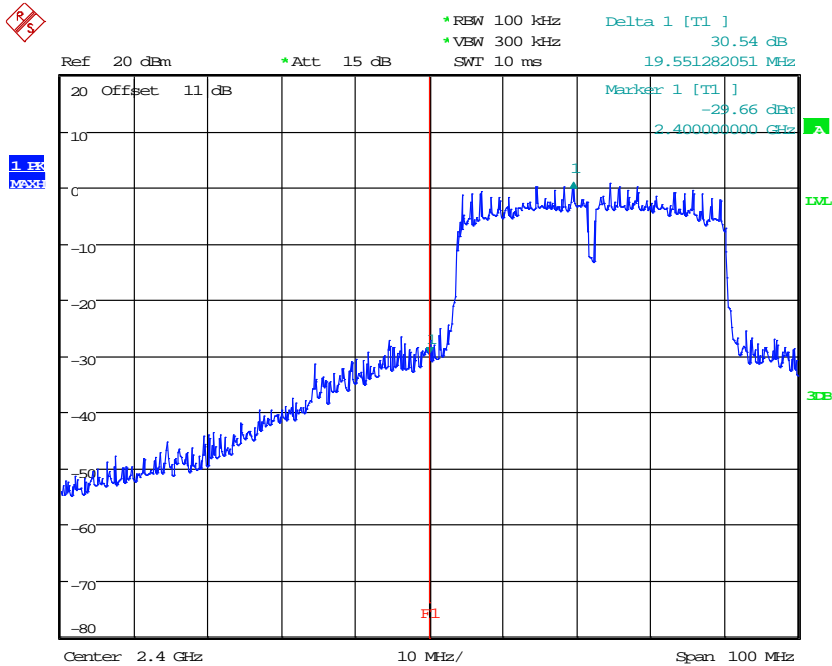


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



BANDEDGE 802.11N 20MHZ CH11
Date: 25.JAN.2019 11:24:32

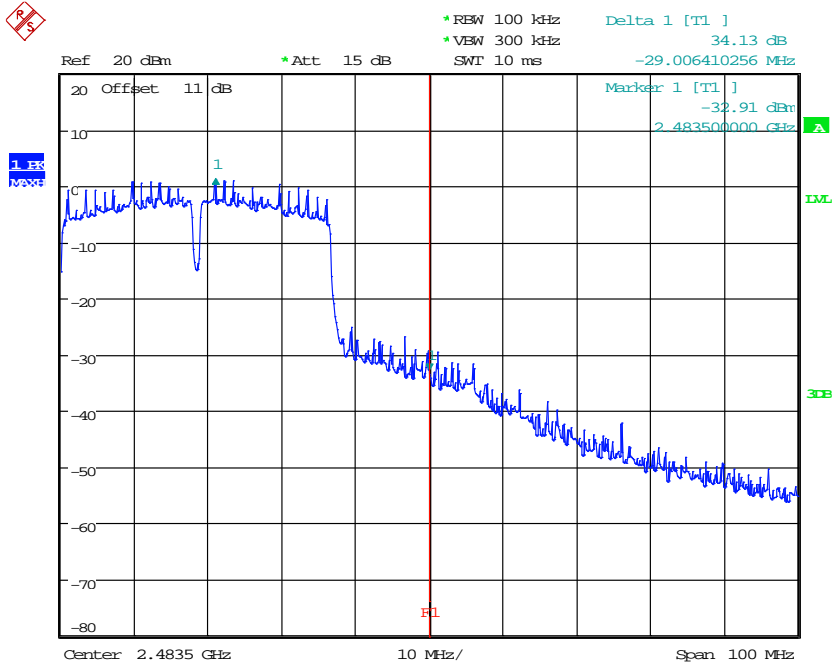
802.11n 40 MHz



BANDEDGE 802.11N 40MHZ CH01
Date: 25.JAN.2019 11:26:02

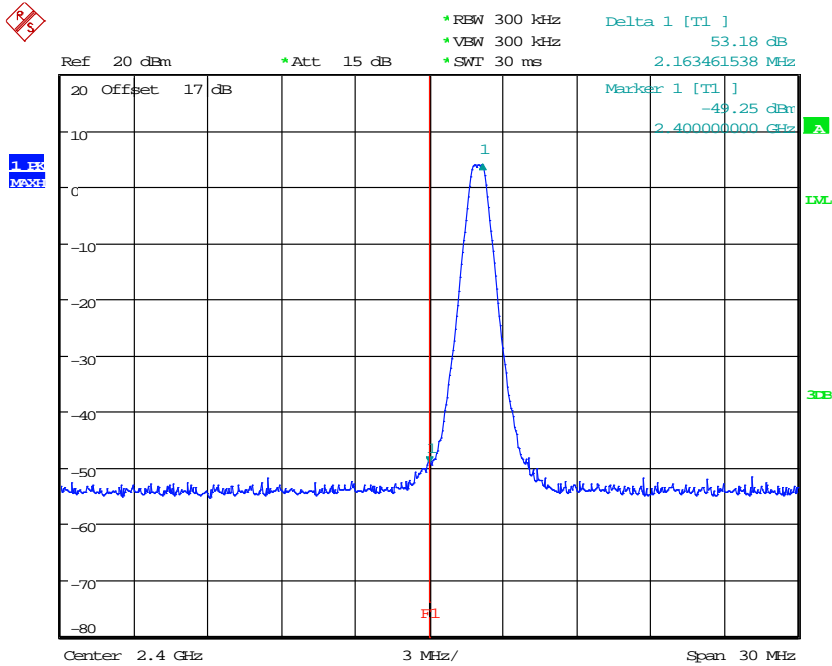


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



BANDEDGE 802.11N 40MHZ CH07
Date: 25.JAN.2019 11:28:08

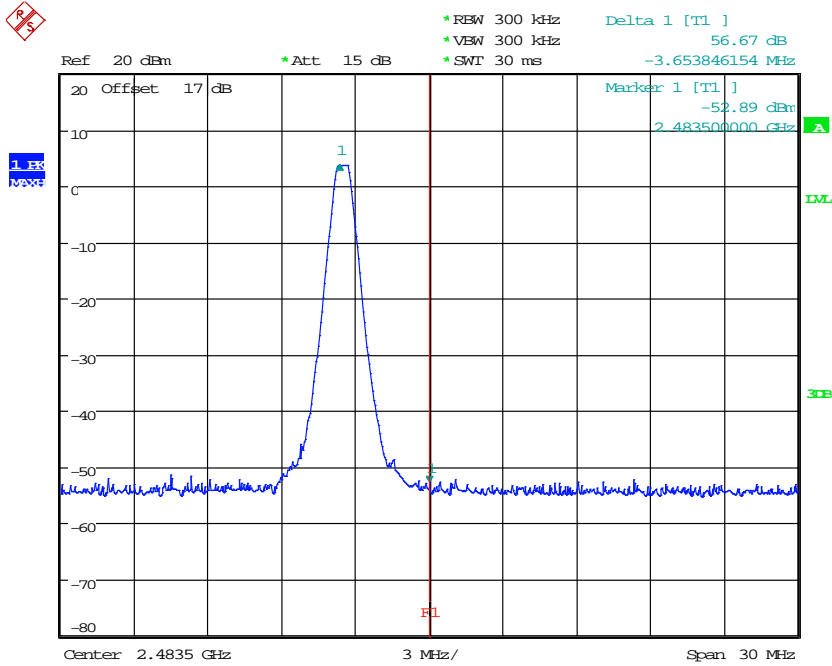
BT2.0 Normal



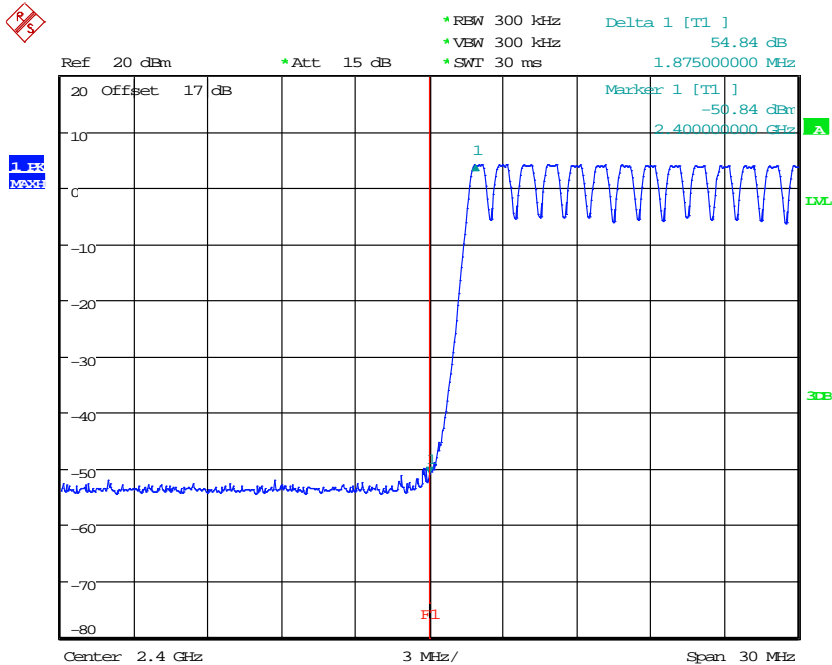
BANDEDGE CH0
Date: 25.JAN.2019 10:13:04



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



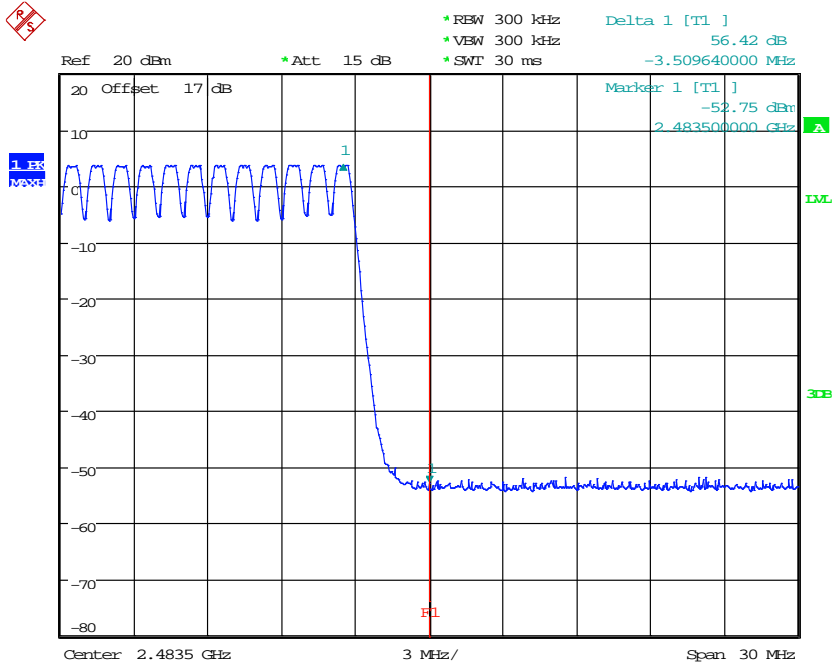
BANDEDGE CH78
Date: 25.JAN.2019 10:16:04



BANDEDGE CH0 HOPPING MODE
Date: 25.JAN.2019 10:16:52

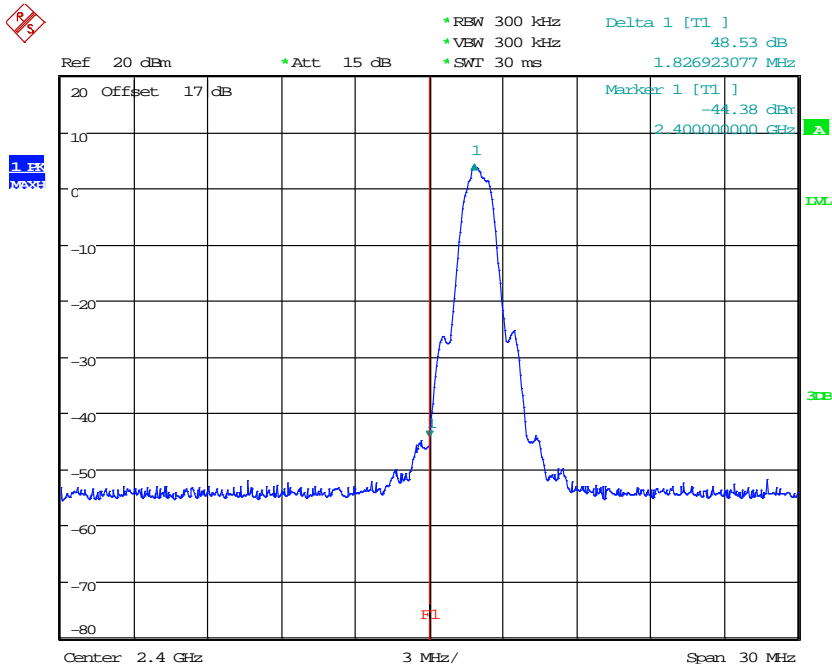


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



BANDEDGE CH78 HOPPING MODE
Date: 25.JAN.2019 10:17:32

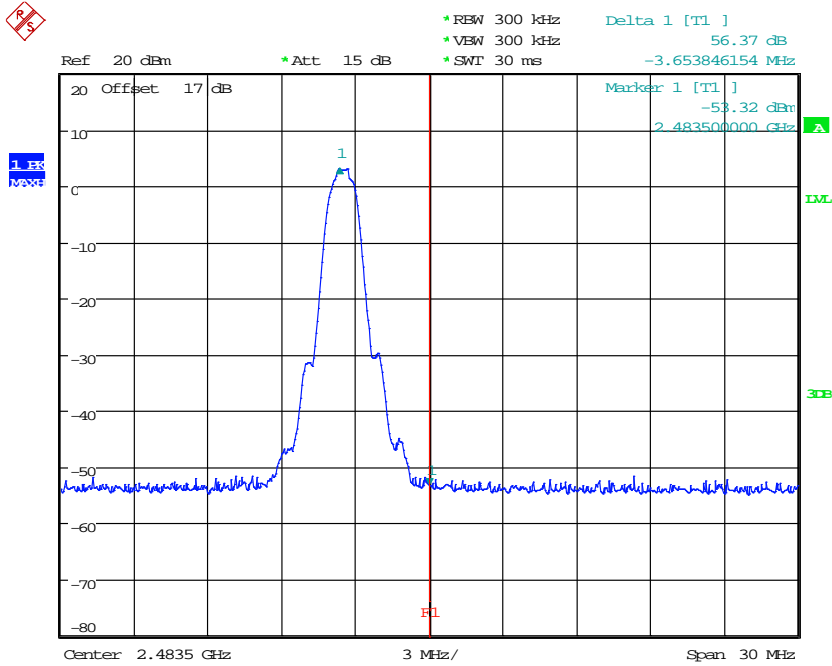
EDR



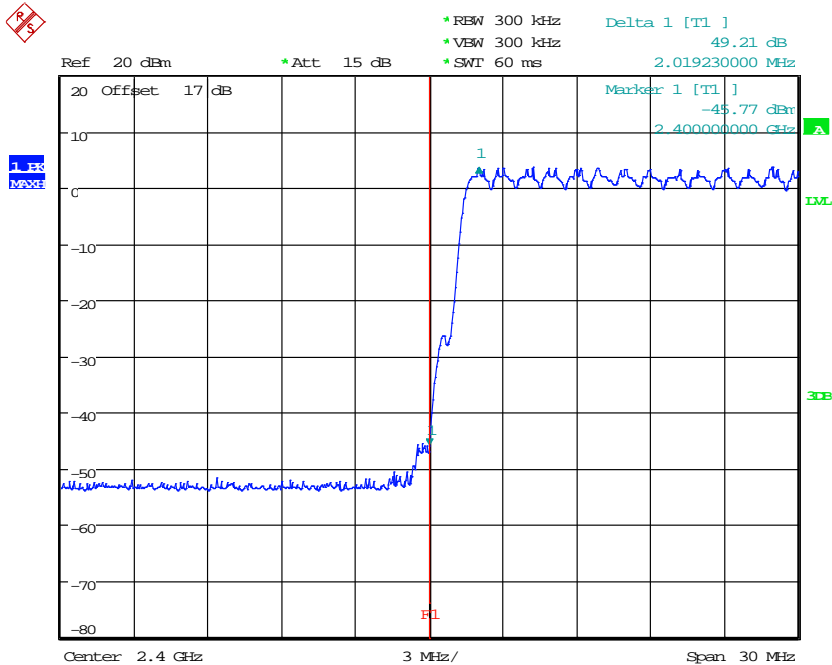
BANDEDGE CH0 EDR MODE
Date: 25.JAN.2019 10:27:40



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



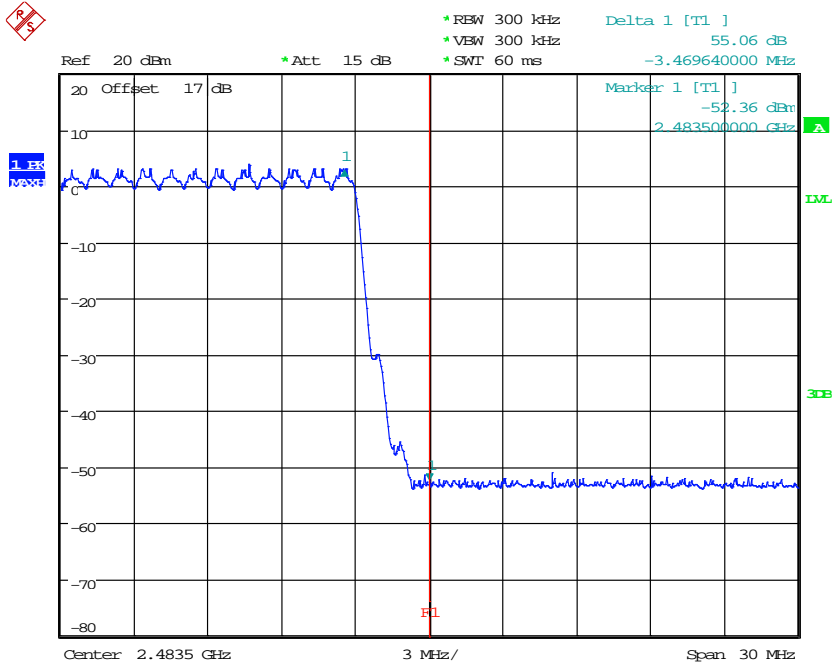
BANDEDGE CH78 EDR MODE
Date: 25.JAN.2019 10:29:16



BANDEDGE CH0 EDR HOPPING MODE
Date: 25.JAN.2019 10:31:52



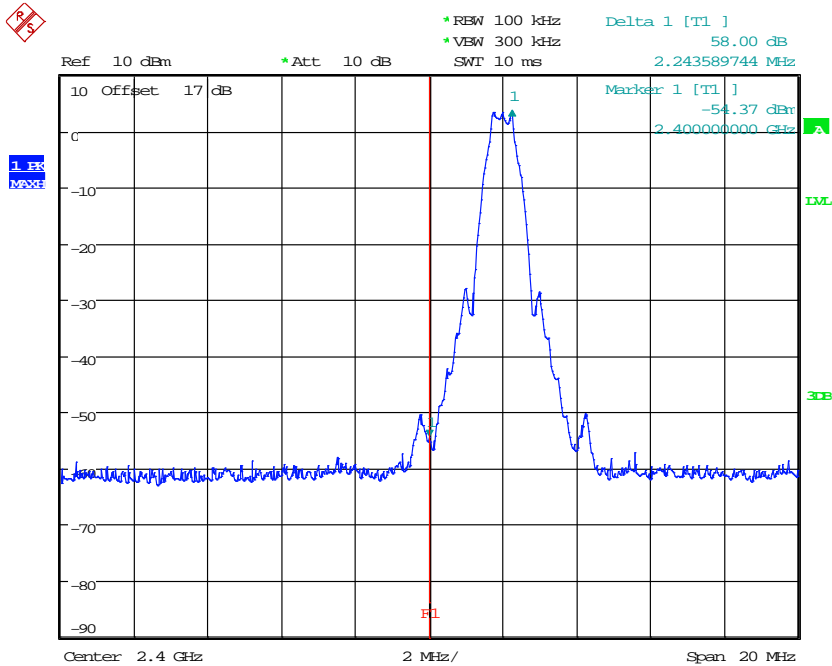
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



BANDEDGE CH78 EDR HOPPING MODE

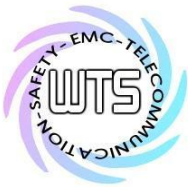
Date: 25.JAN.2019 10:33:35

BT4.0

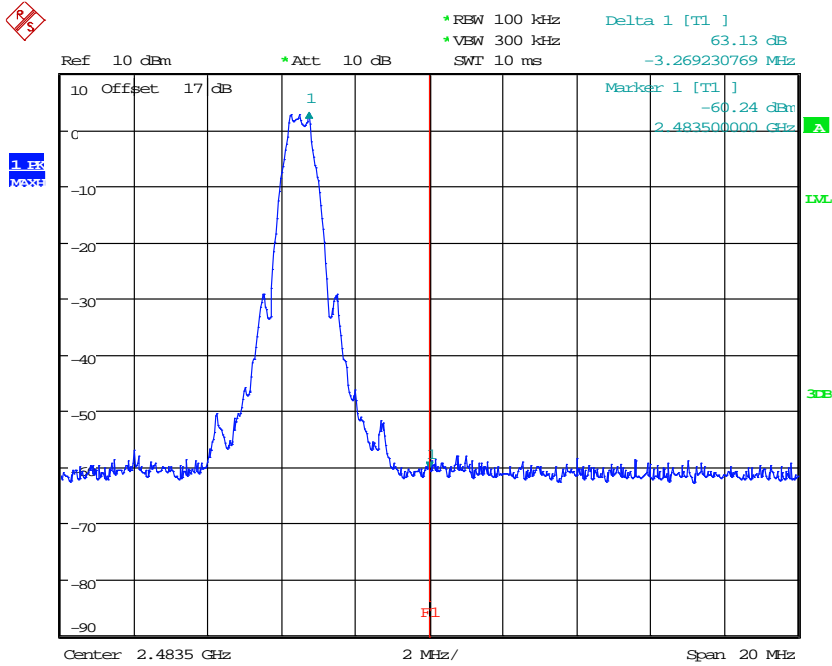


BANDEDGE BT4.0 CH00

Date: 25.JAN.2019 10:07:38



Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS



BANDEDGE BT4.0 CH39
 Date: 25.JAN.2019 10:10:00

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

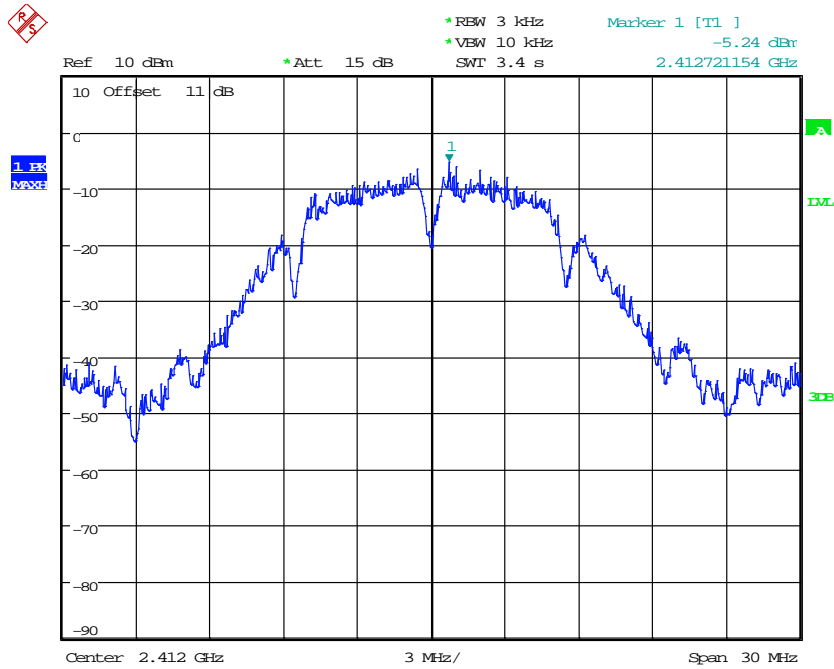


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

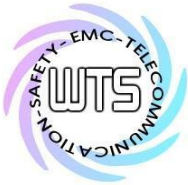
3.12 Peak Power Spectral Density

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.

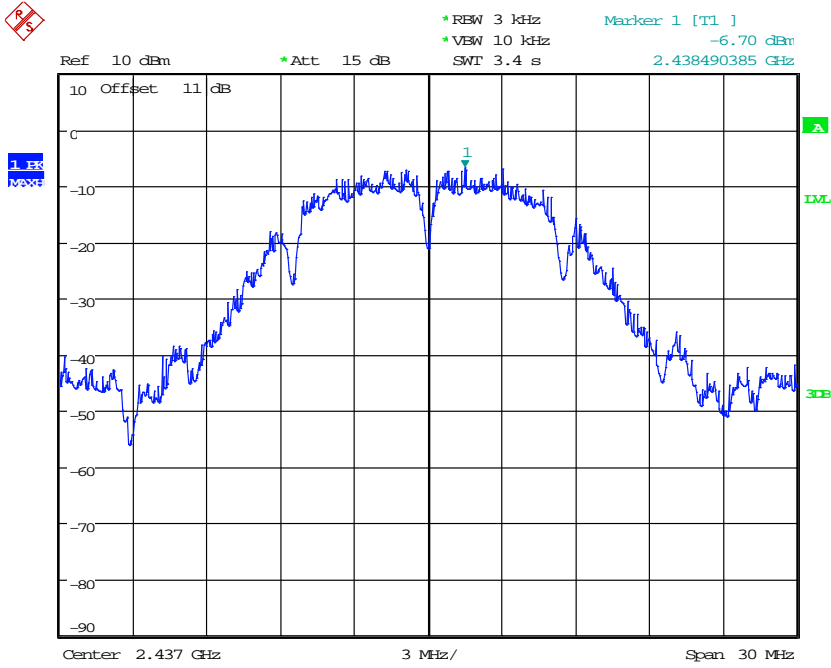
WiFi 802.11b



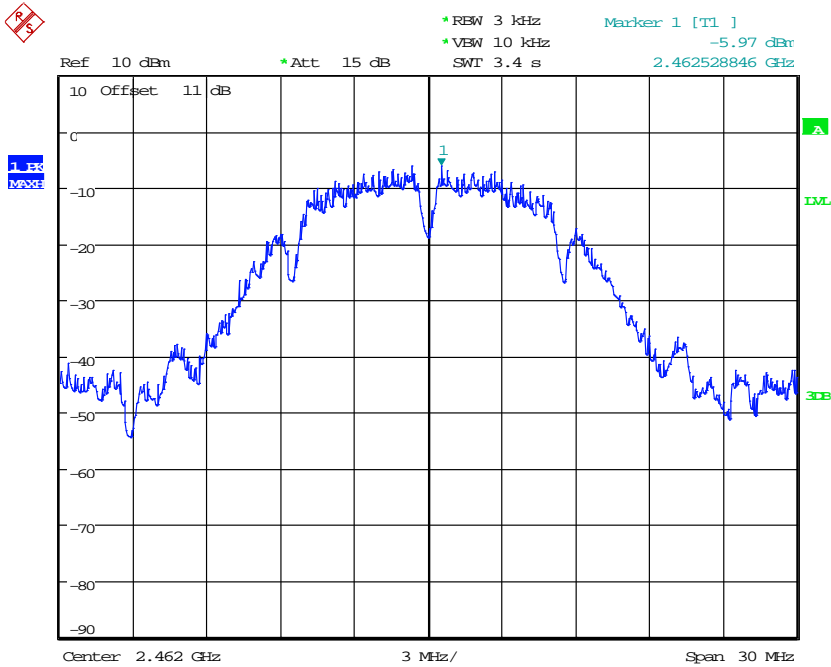
POWER DENSITY 802.11B CH01
Date: 25.JAN.2019 11:16:00



Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



POWER DENSITY 802.11B CH06
Date: 25.JAN.2019 11:17:24

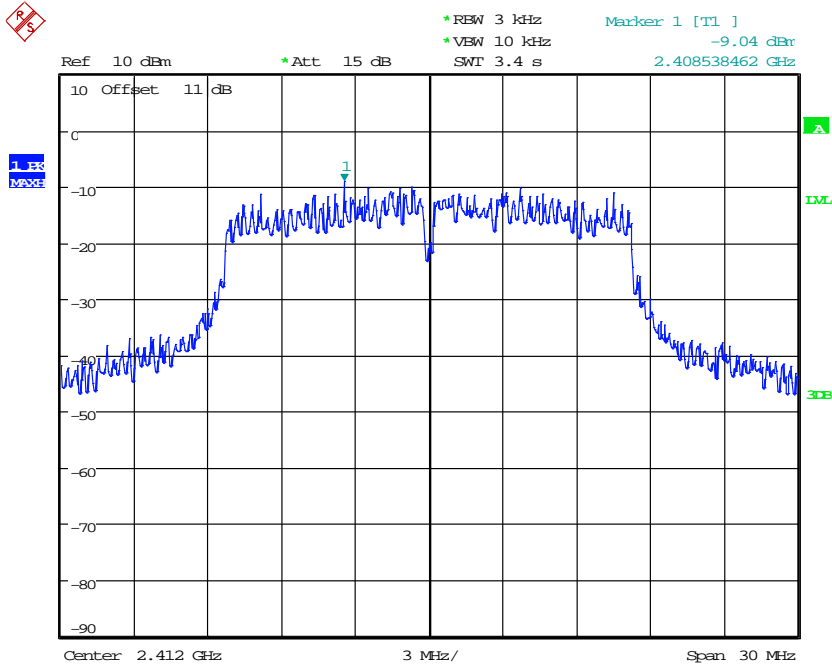


POWER DENSITY 802.11B CH11
Date: 25.JAN.2019 11:18:17

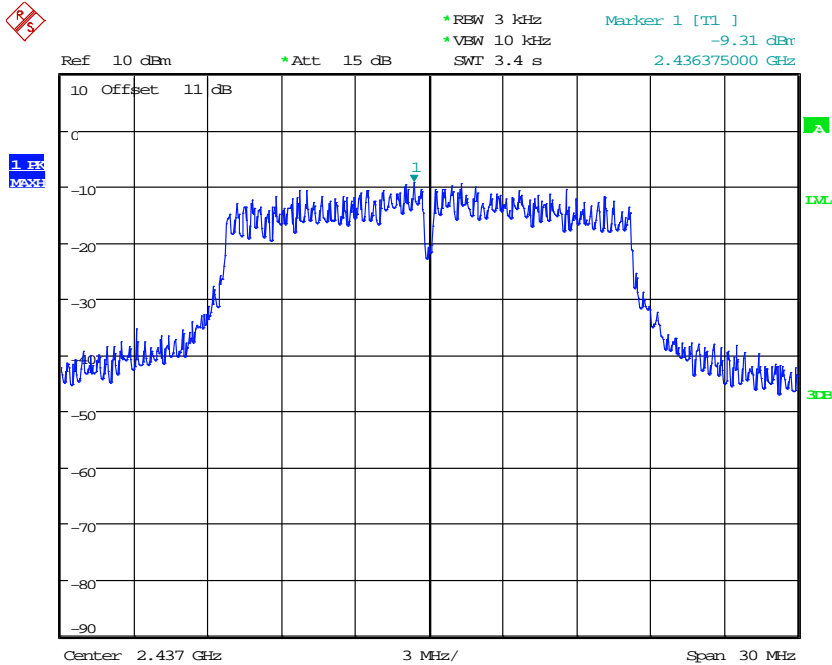


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

802.11g



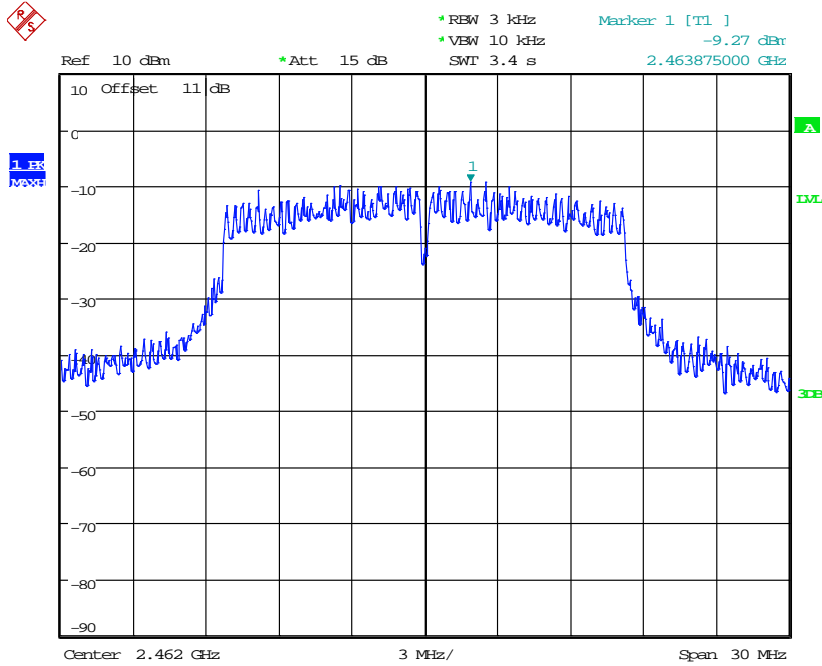
POWER DENSITY 802.11G CH01
Date: 25.JAN.2019 11:19:15



POWER DENSITY 802.11G CH06
Date: 25.JAN.2019 11:20:32

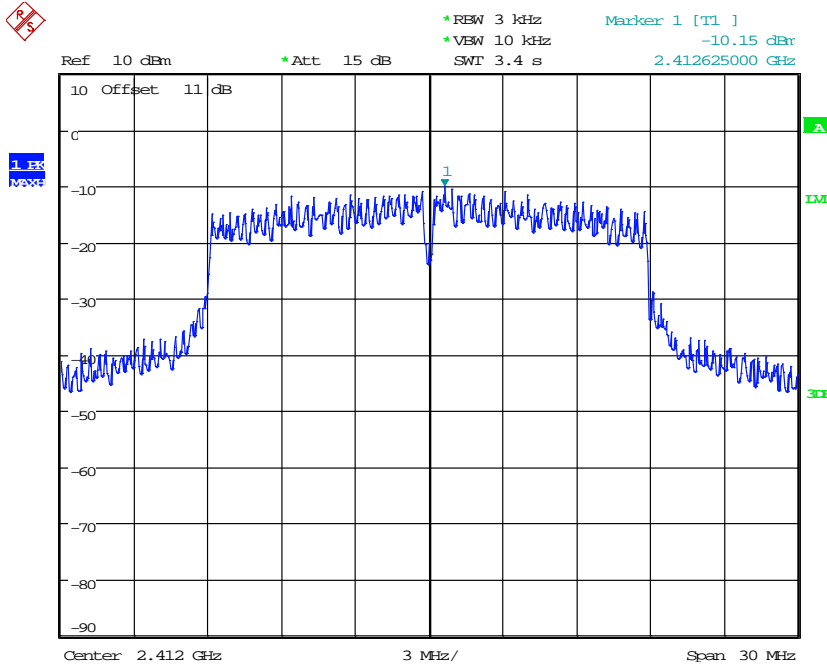


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



POWER DENSITY 802.11G CH11
Date: 25.JAN.2019 11:21:29

802.11n 20 MHz

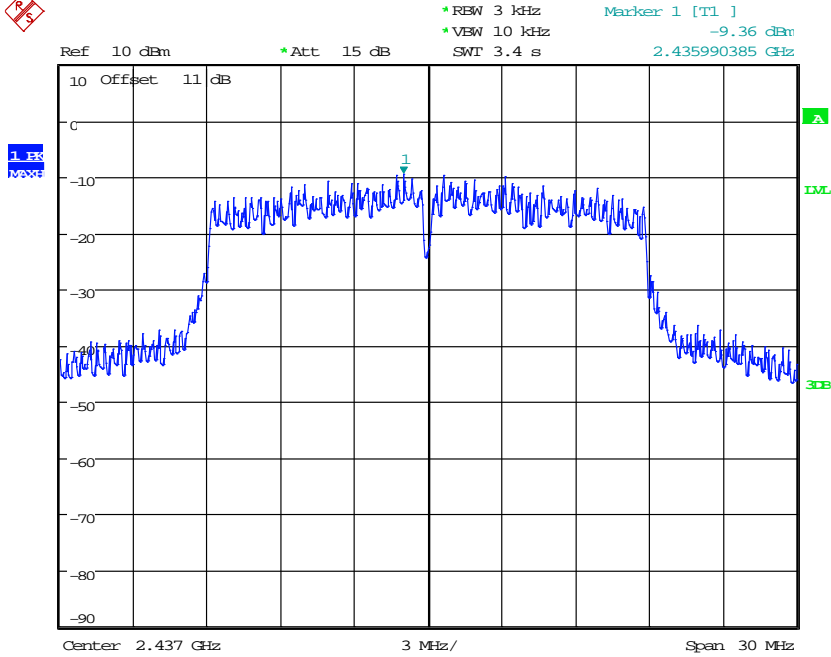


POWER DENSITY 802.11N 20MHZ CH1
Date: 25.JAN.2019 11:22:39



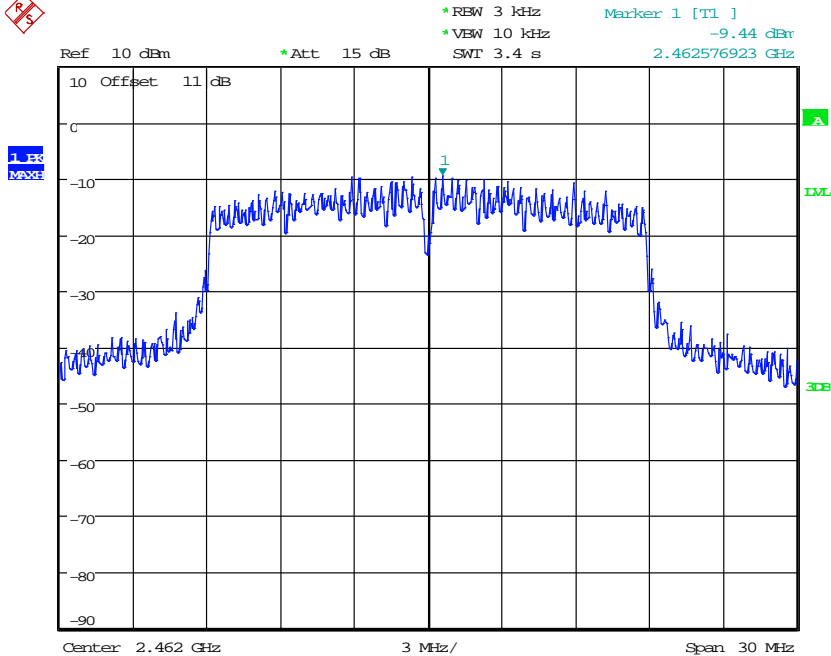
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



POWER DENSITY 802.11N 20MHZ CH6

Date: 25.JAN.2019 11:23:35



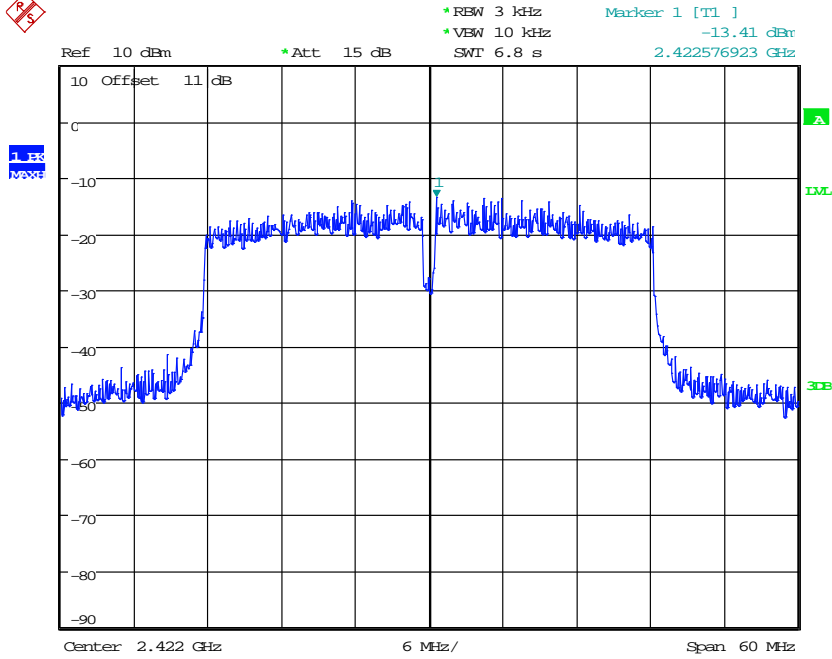
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Date: 25.JAN.2019 11:24:26

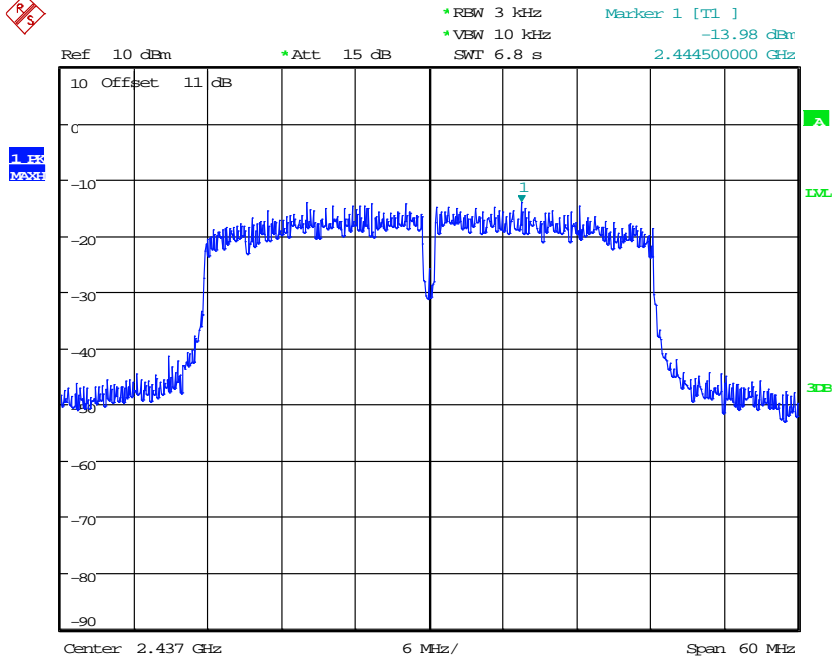


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

802.11n 40 MHz



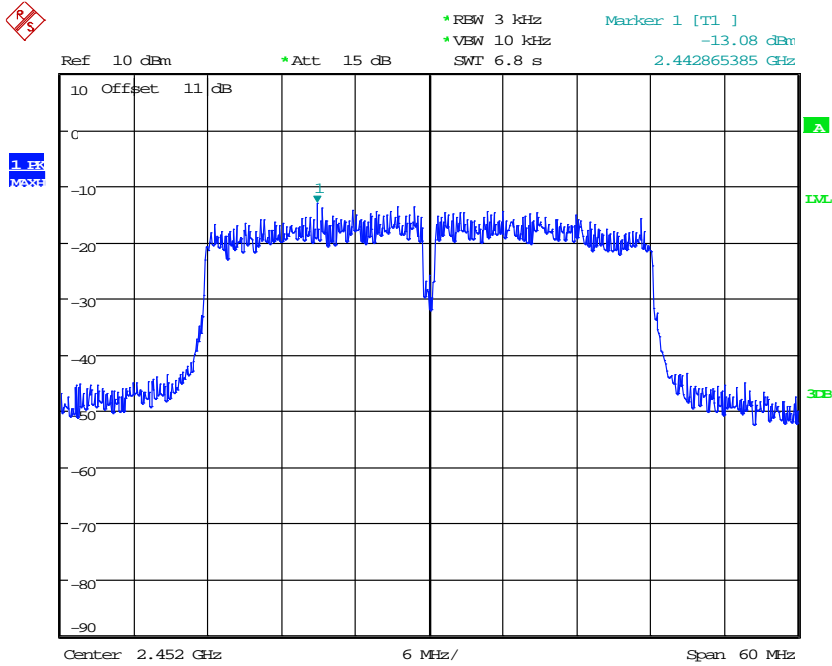
POWER DENSITY 802.11N 40MHZ CH1
Date: 25.JAN.2019 11:25:56



POWER DENSITY 802.11N 40MHZ CH4
Date: 25.JAN.2019 11:27:17

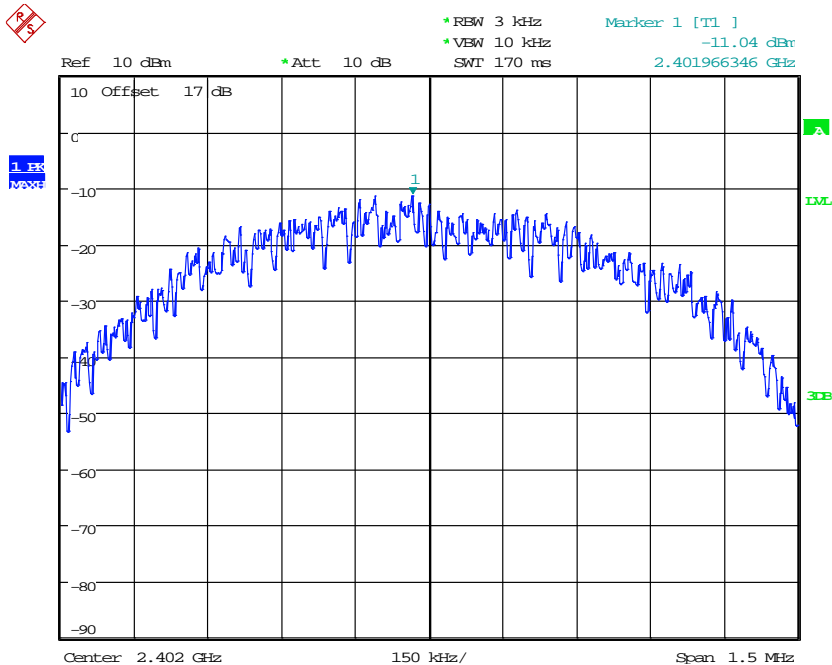


Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



POWER DENSITY 802.11N 40MHZ CH7
Date: 25.JAN.2019 11:28:02

BT4.0

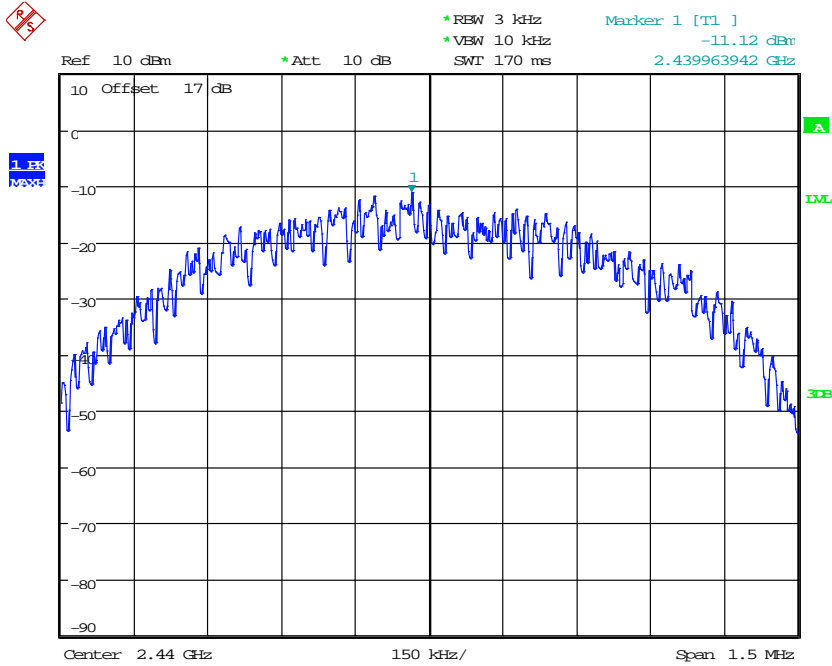


POWER DENSITY BT4.0 CH00
Date: 25.JAN.2019 10:07:28

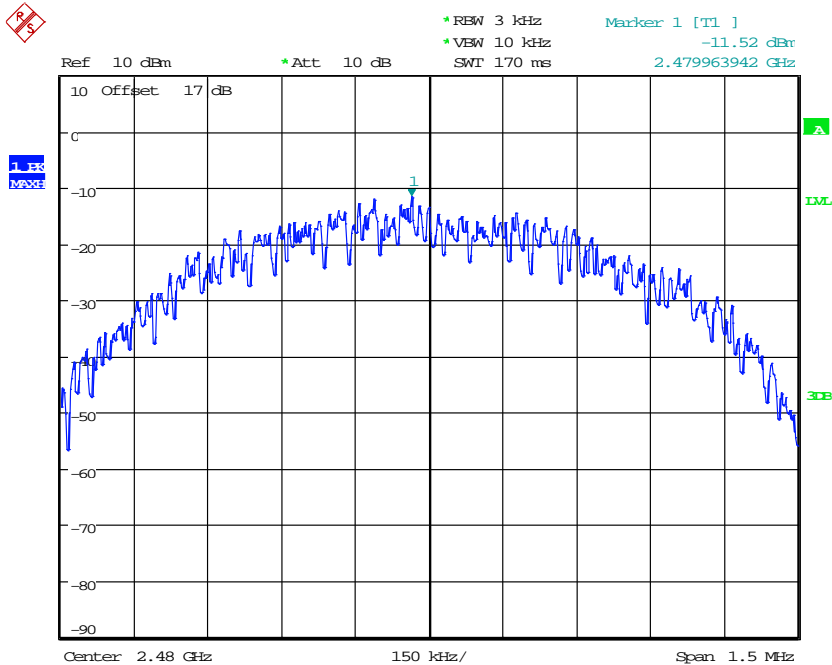


Worldwide Testing Services(Taiwan) Co., Ltd.

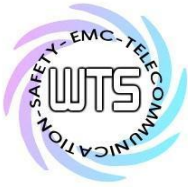
Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS



POWER DENSITY BT4.0 CH19
Date: 25.JAN.2019 10:08:20



POWER DENSITY BT4.0 CH39
Date: 25.JAN.2019 10:09:50



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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: W6D21901-18771-C-1

FCC ID: 2ASF3FPTS

3.13 Radiated Emission from Receiver Part

Summary table with radiated data of the test plots

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

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 (dBuV/m)		Limit (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. Measurement uncertainty for 3m measurement: 30-1000 MHz = ± 3.49 dB, 1-18 GHz = ± 3.01 dB, 18-40 GHz = ± 2.43 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2. The decision rule is "false acceptance".
6. Up Line: QP Limit Line, Down Line: Ave Limit Line.
7. Please refer to separated test report no.: W6D21901-18771-P-15B

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

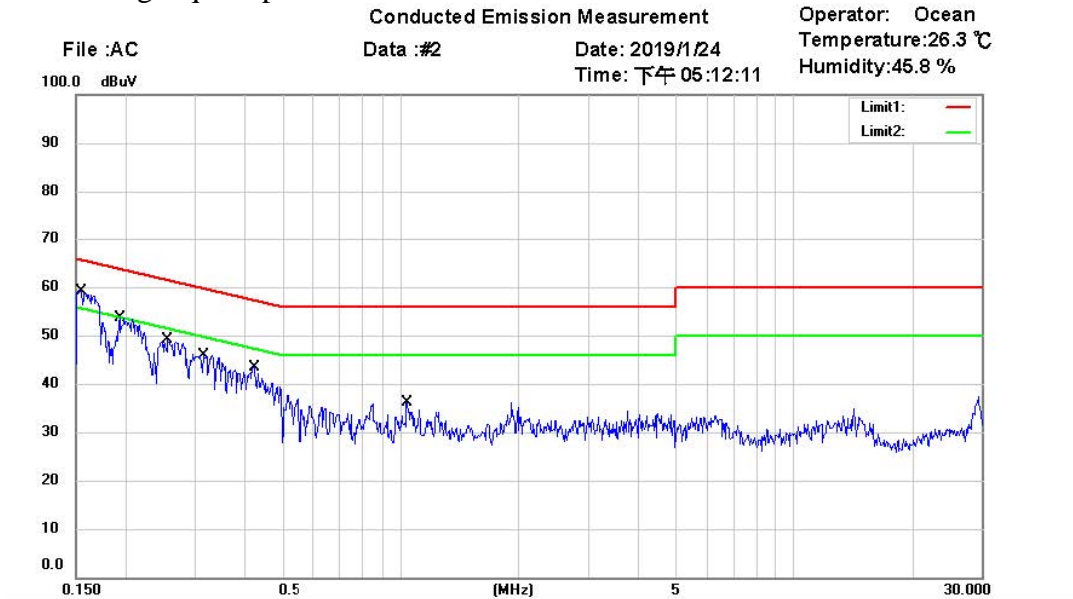


Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

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.



File :AC
 Data :#2
 Date: 2019/1/24
 Time: 下午 05:12:11
 Operator: Ocean
 Temperature:26.3 °C
 Humidity:45.8 %

Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP)
 EUT : W6M21809-18414
 M/N:
 Test Mode : ADAPTER
 Note :

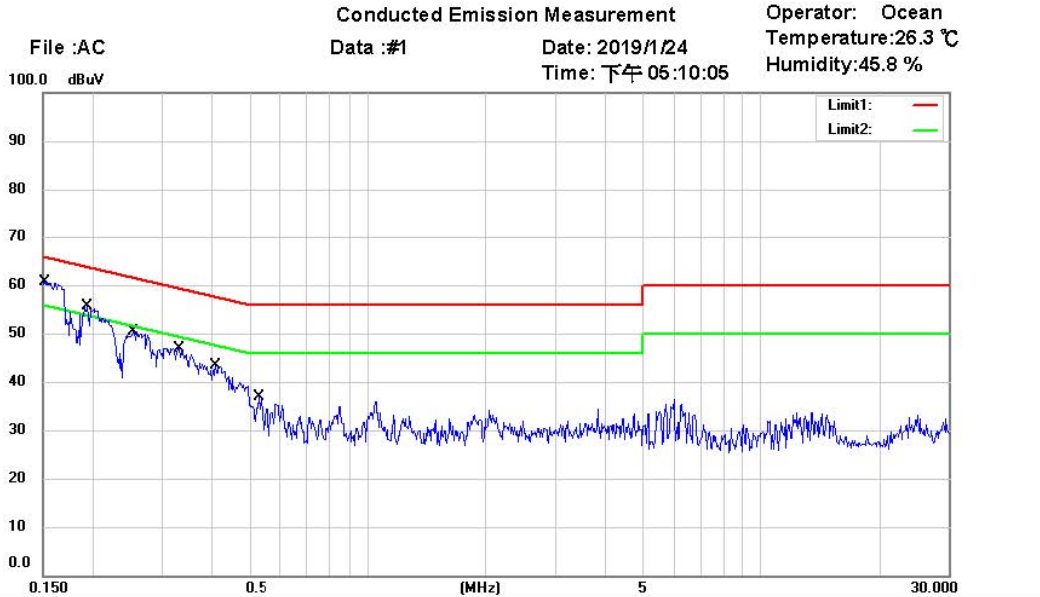
Phase: N
 Power : 120 V.a.c.

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1542	45.11	QP	9.95	55.06	65.77	-10.71	
	0.1542	28.49	AVG	9.95	38.44	55.77	-17.33	
	0.1927	34.55	QP	9.92	44.47	63.92	-19.45	
	0.1927	9.79	AVG	9.92	19.71	53.92	-34.21	
	0.2560	33.45	QP	9.91	43.36	61.56	-18.20	
	0.2560	12.62	AVG	9.91	22.53	51.56	-29.03	
	0.3144	29.92	QP	9.91	39.83	59.85	-20.02	
	0.3144	9.11	AVG	9.91	19.02	49.85	-30.83	
	0.4223	25.30	QP	9.90	35.20	57.40	-22.20	
	0.4223	10.97	AVG	9.90	20.87	47.40	-26.53	
	1.0377	18.65	QP	9.92	28.57	56.00	-27.43	
	1.0377	9.22	AVG	9.92	19.14	46.00	-26.86	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
 FCC ID: 2ASF3FPTS

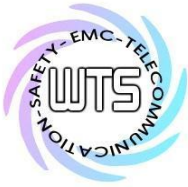


Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP) Phase: L1
 EUT : W6M21809-18414 Power : 120 V.a.c.
 M/N:
 Test Mode : ADAPTER
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1508	47.43	QP	9.95	57.38	65.96	-8.58	
	0.1508	28.71	AVG	9.95	38.66	55.96	-17.30	
	0.1940	39.69	QP	9.92	49.61	63.86	-14.25	
	0.1940	16.26	AVG	9.92	26.18	53.86	-27.68	
	0.2534	34.91	QP	9.91	44.82	61.64	-16.82	
	0.2534	14.20	AVG	9.91	24.11	51.64	-27.53	
	0.3315	31.06	QP	9.91	40.97	59.41	-18.44	
	0.3315	11.36	AVG	9.91	21.27	49.41	-28.14	
	0.4100	26.10	QP	9.90	36.00	57.65	-21.65	
	0.4100	17.56	AVG	9.90	27.46	47.65	-20.19	
	0.5292	19.28	QP	9.90	29.18	56.00	-26.82	
	0.5292	5.27	AVG	9.90	15.17	46.00	-30.83	

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. Measurement uncertainty = ±1.30 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2. The decision rule is “false acceptance”.
6. Up Line: QP Limit Line, Down Line: Ave Limit Line.



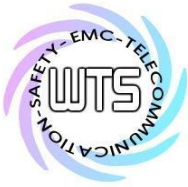
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

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: W6D21901-18771-C-1
FCC ID: 2ASF3FPTS

Appendix

Measurement diagrams

Spurious Emissions radiated



Radiated Emission Measurement

Operator: Allen

File :TX_802

Data :#1

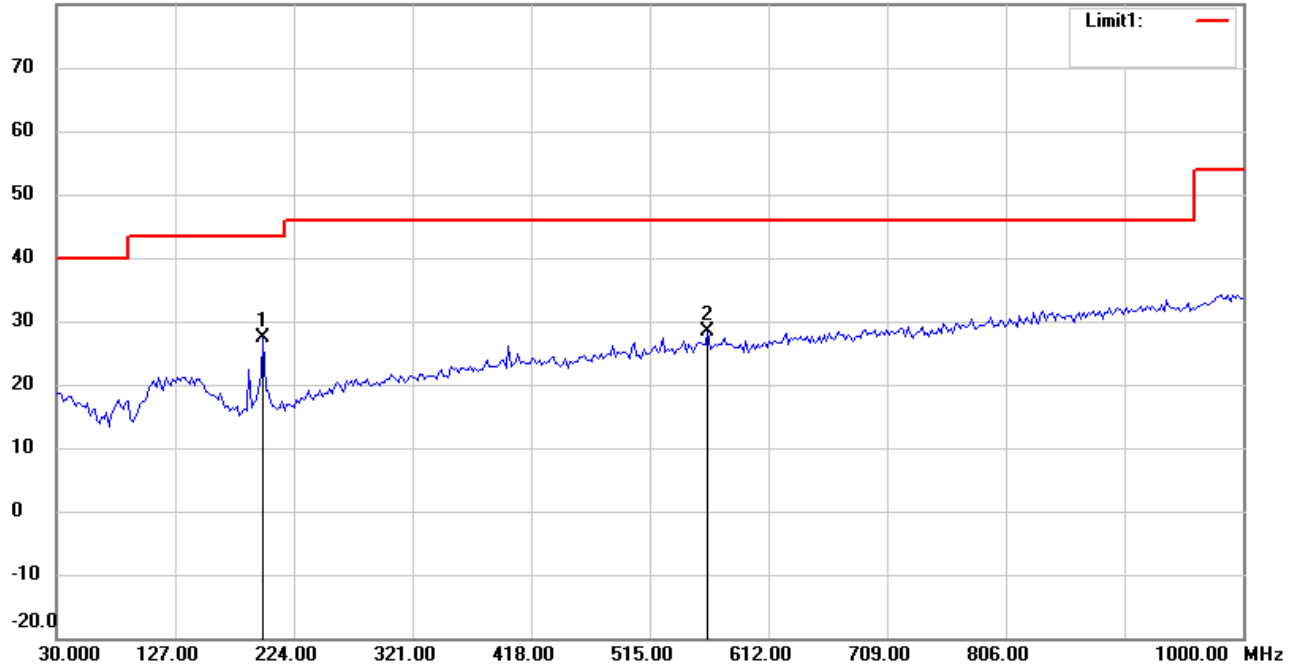
Date: 1/19/2019

Temperature:15.8 °C

80.0 dBuV/m

Time: 4:50:18 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
*	199.1182	37.76	peak	-10.34	27.42	43.50	100	105	-16.08	
	562.6253	29.64	peak	-1.17	28.47	46.00	100	70	-17.53	



Radiated Emission Measurement

Operator: Allen

File :TX_802

Data :#2

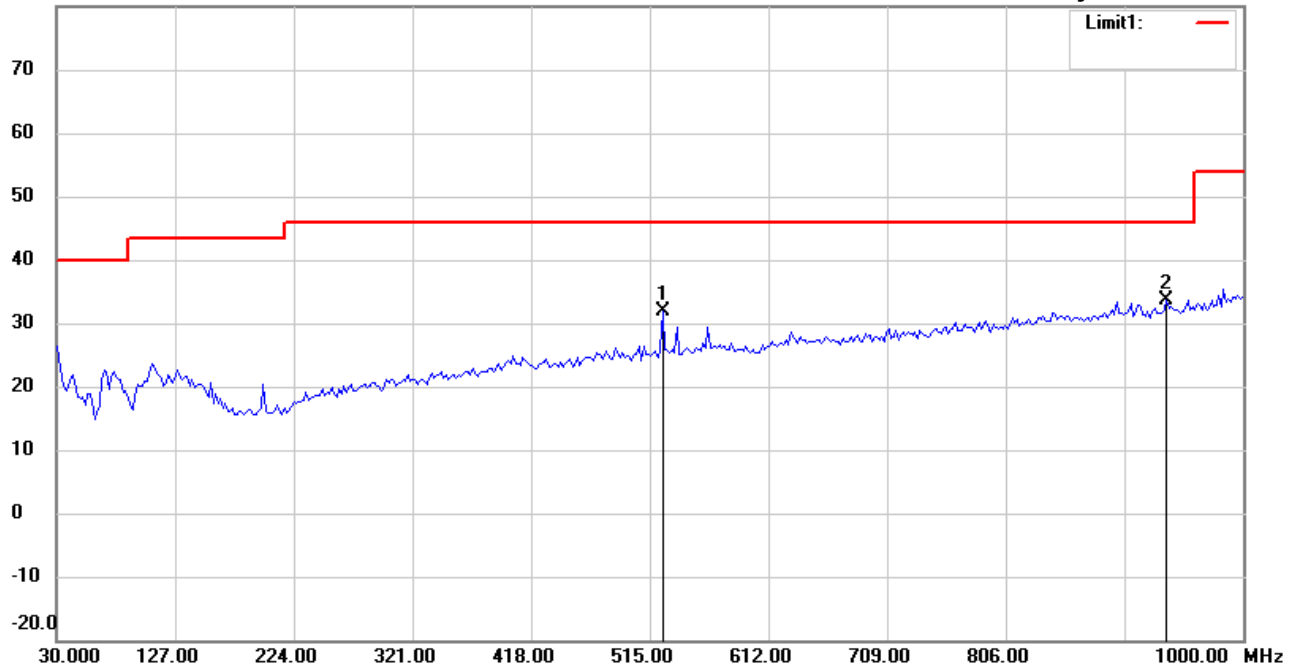
Date: 1/19/2019

Temperature:15.8 °C

80.0 dBuV/m

Time: 4:51:18 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
	525.6914	33.42	peak	-1.65	31.77	46.00	100	160	-14.23	
*	937.7956	28.23	peak	5.49	33.72	46.00	100	325	-12.28	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

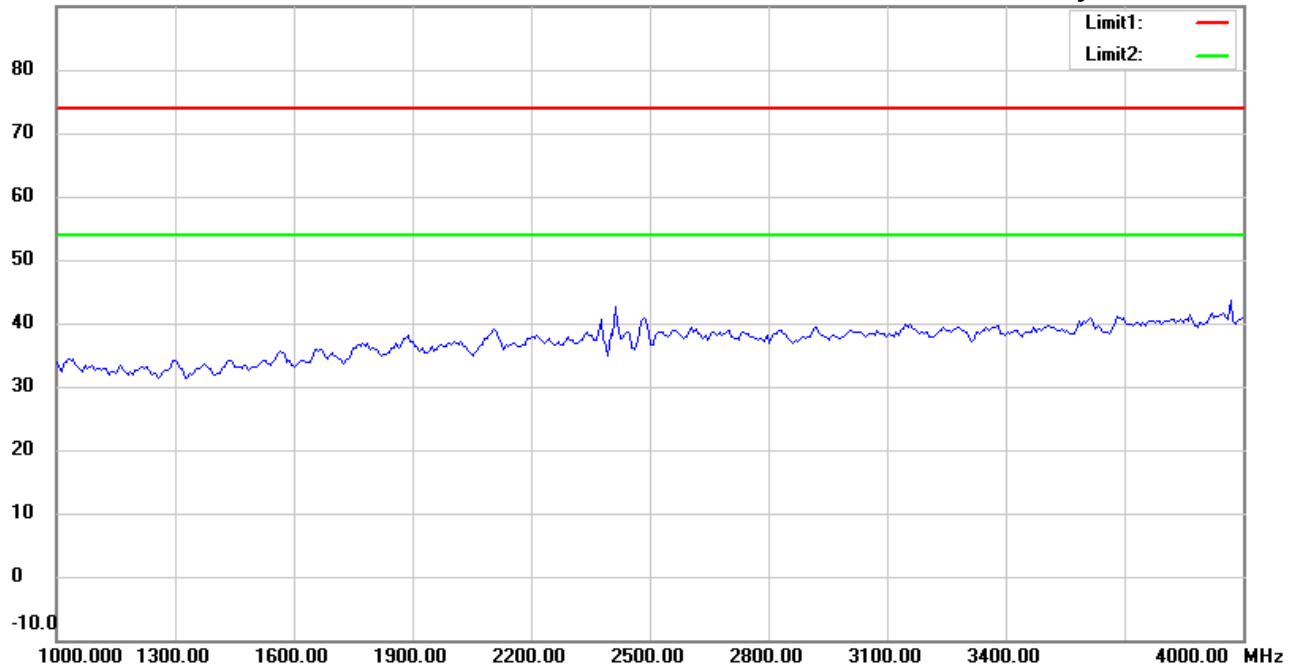
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:44:12 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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



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 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#6

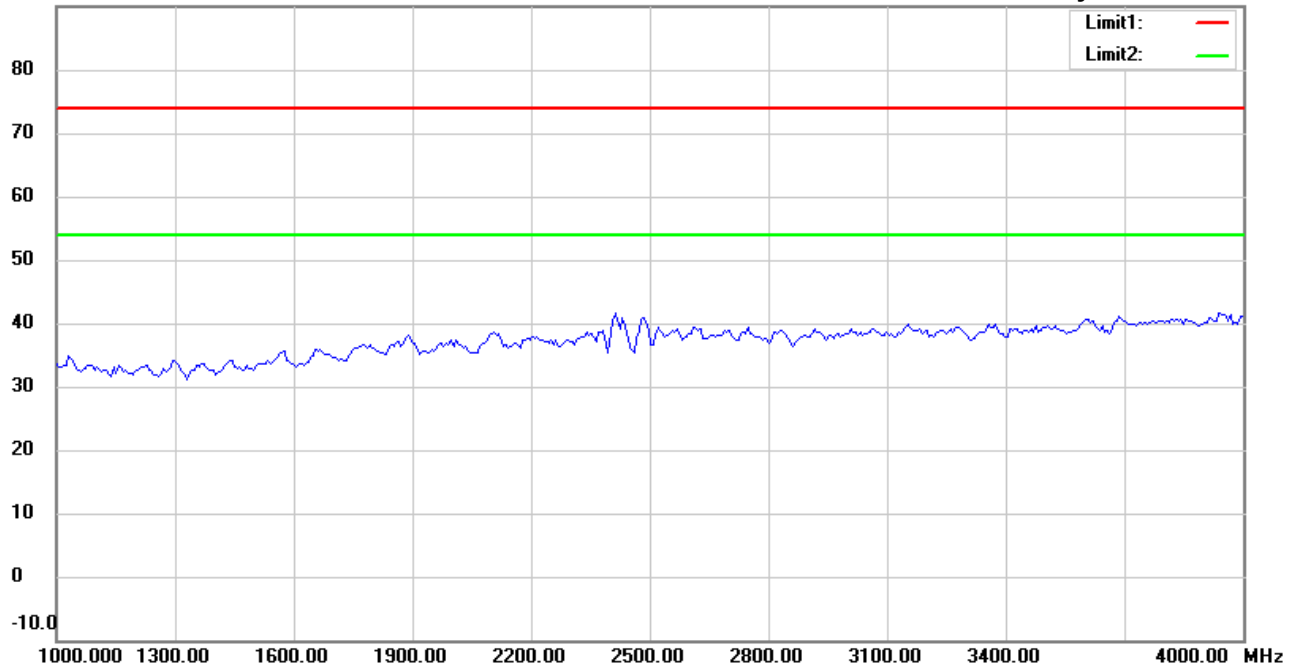
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:47:43 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Vertical*

Power : 120 Va.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



Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

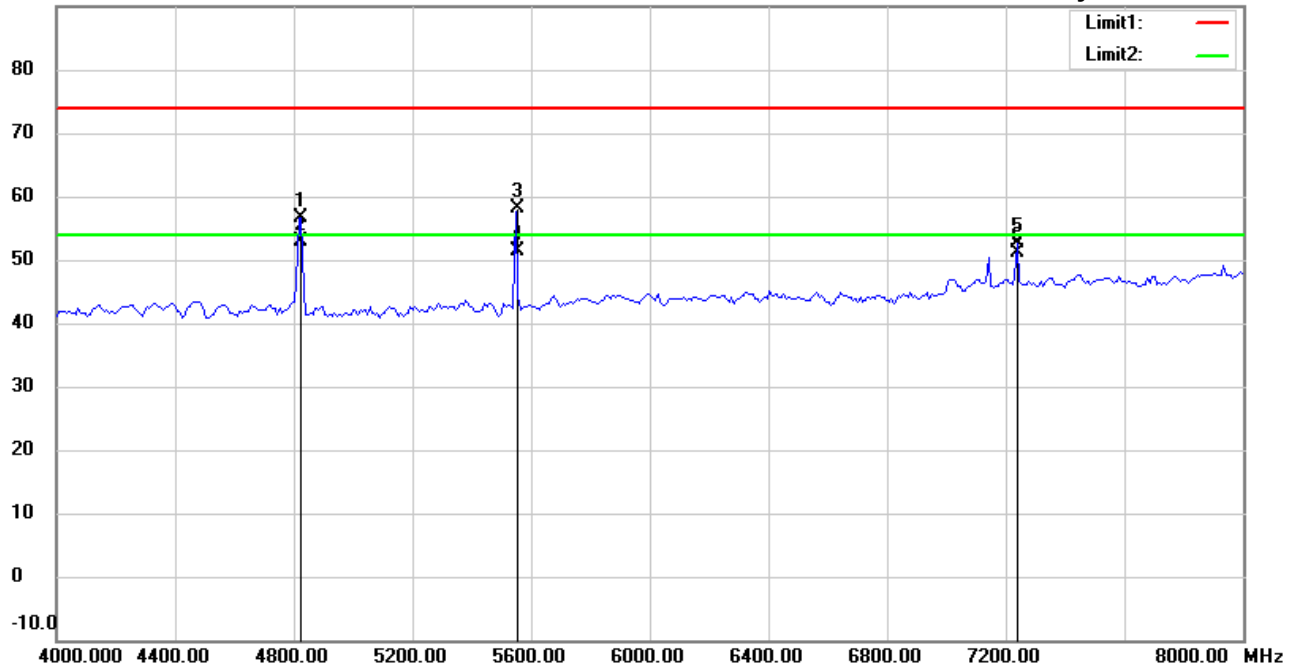
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:45:13 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Horizontal**

EUT : W6M21809-18414

Power : 120 Va.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
	4824.010	55.98	peak	0.73	56.71	74.00	150	205	-17.29	
*	4824.010	52.18	AVG	0.73	52.91	54.00	150	205	-1.09	
	5551.168	55.82	peak	2.34	58.16	74.00	170	194	-15.84	
	5551.168	48.96	AVG	2.34	51.30	54.00	170	194	-2.70	
	7238.477	47.13	peak	5.42	52.55	74.00	150	230	-21.45	
	7238.477	45.68	AVG	5.42	51.10	54.00	150	230	-2.90	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

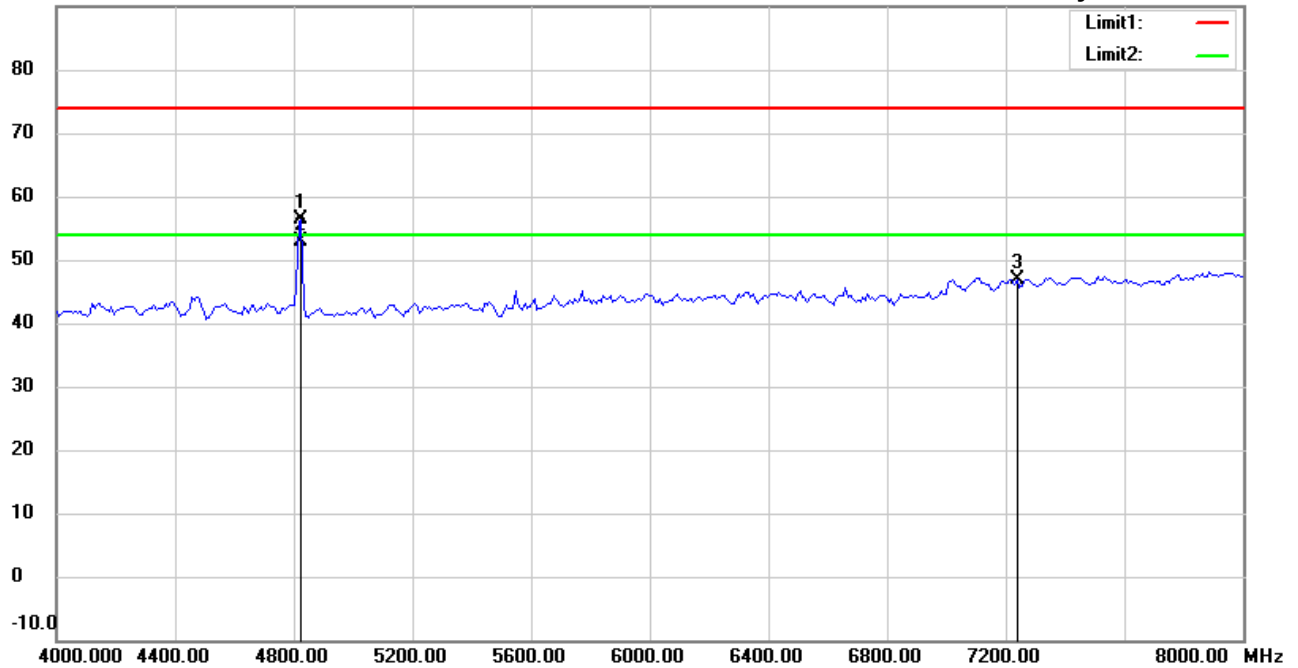
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:48:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4825.651	55.55	peak	0.73	56.28	74.00	150	236	-17.72	
*	4825.651	52.13	AVG	0.73	52.86	54.00	150	236	-1.14	
	7236.000	41.34	peak	5.42	46.76	74.00	150	78	-27.24	



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

Operator: Sky

File :3

Data :#3

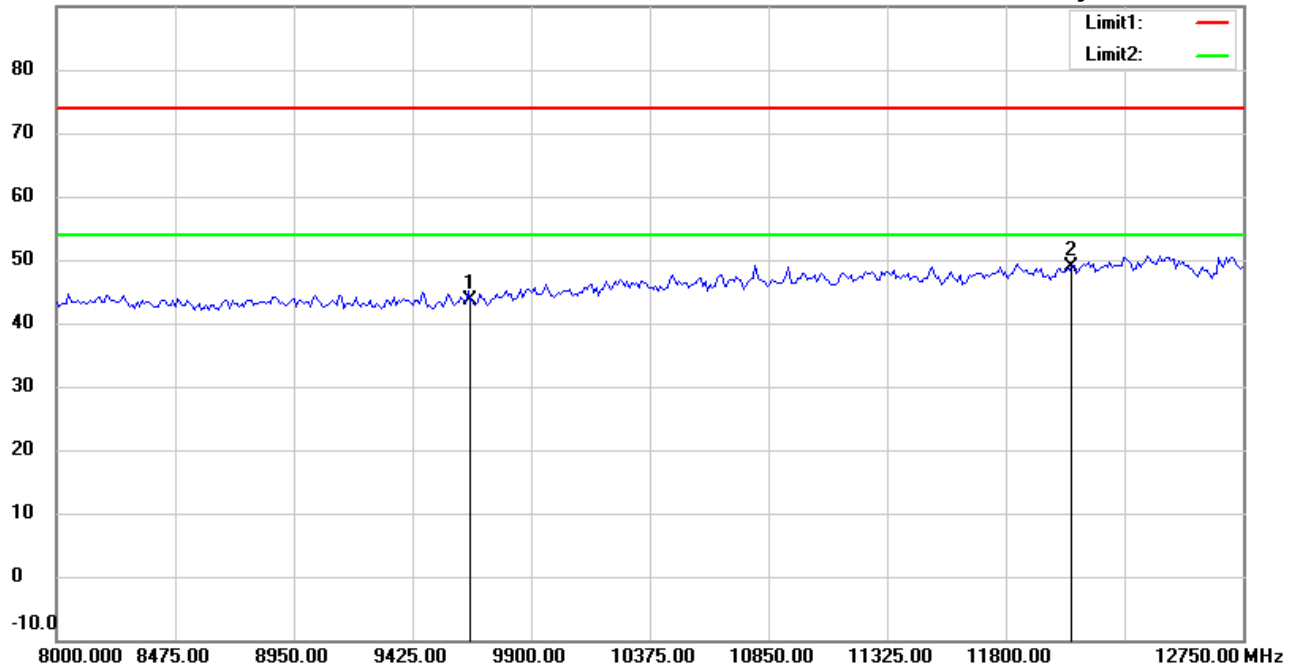
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:46:19 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
	9648.000	35.36	peak	8.28	43.64	74.00	150	31	-30.36	
*	12060.000	34.79	peak	14.17	48.96	74.00	150	270	-25.04	

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



Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

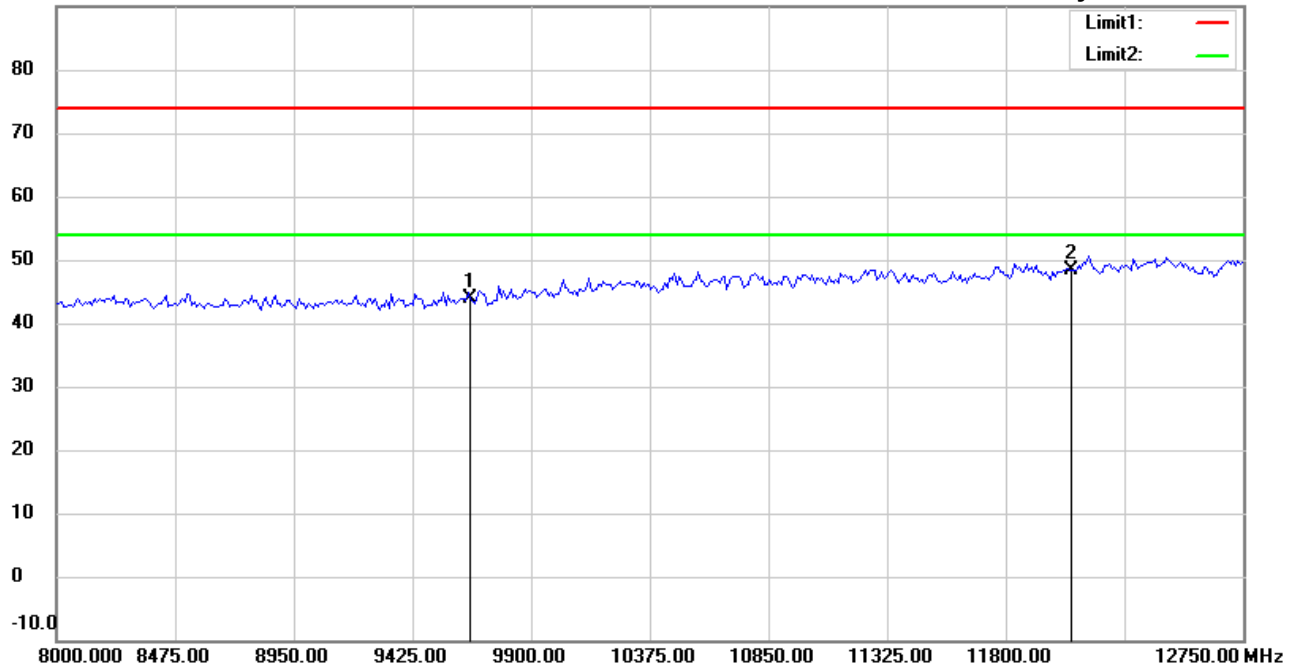
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:49:43 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
	9648.000	35.48	peak	8.28	43.76	74.00	150	40	-30.24	
*	12060.000	34.28	peak	14.17	48.45	74.00	150	137	-25.55	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

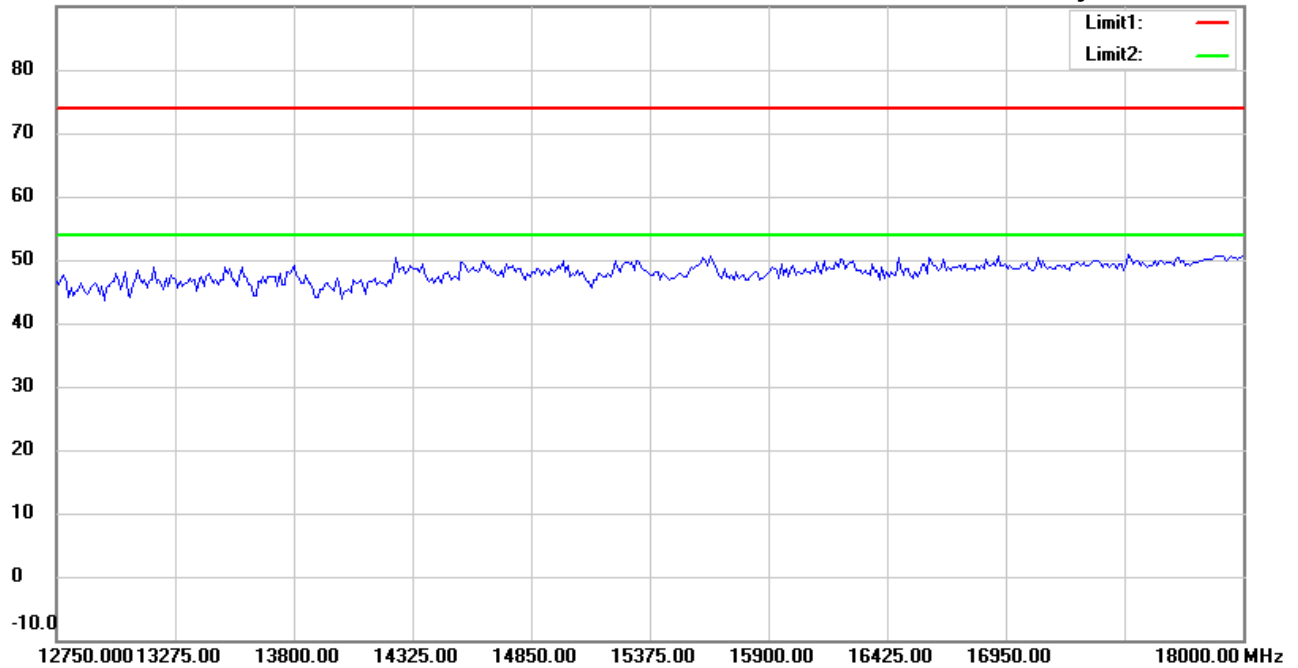
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:46:33 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#9

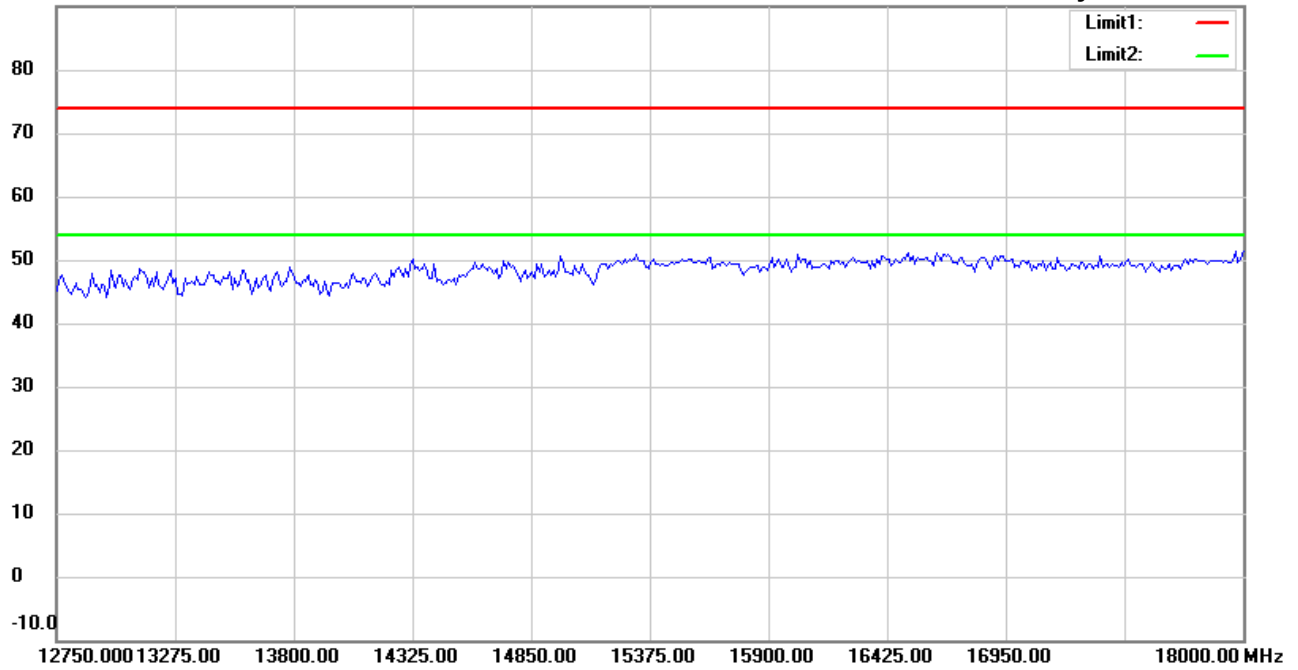
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:49:57 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

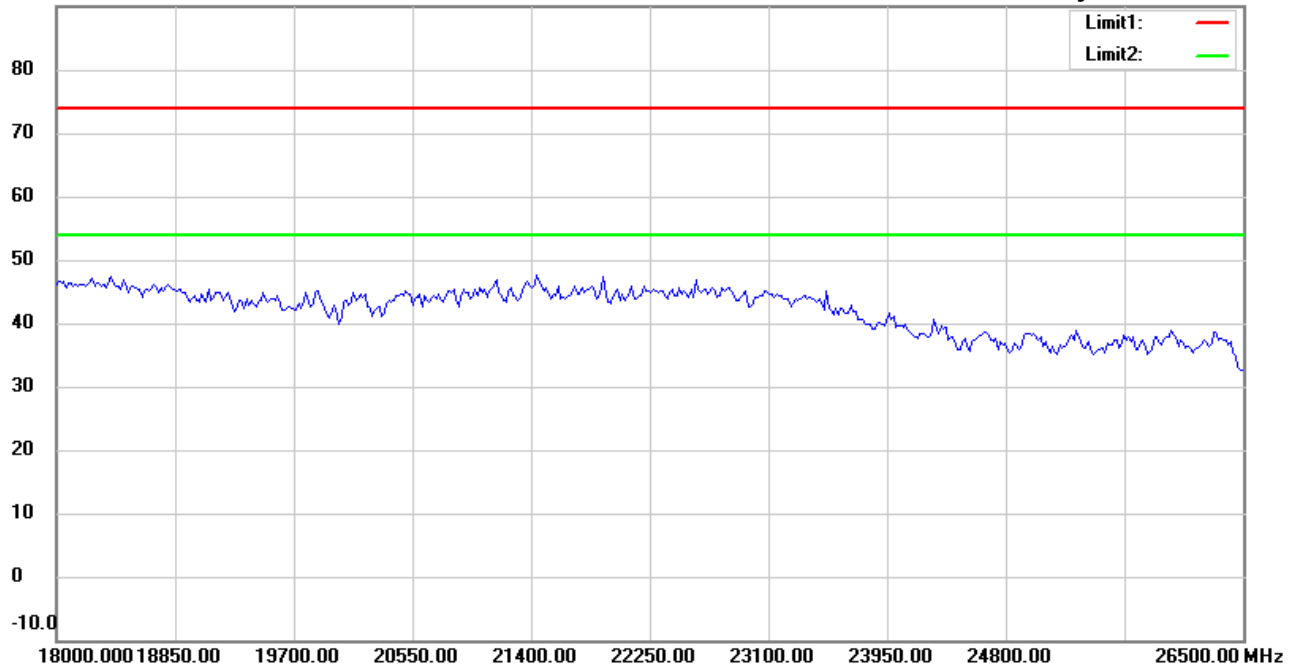
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:46:43 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#10

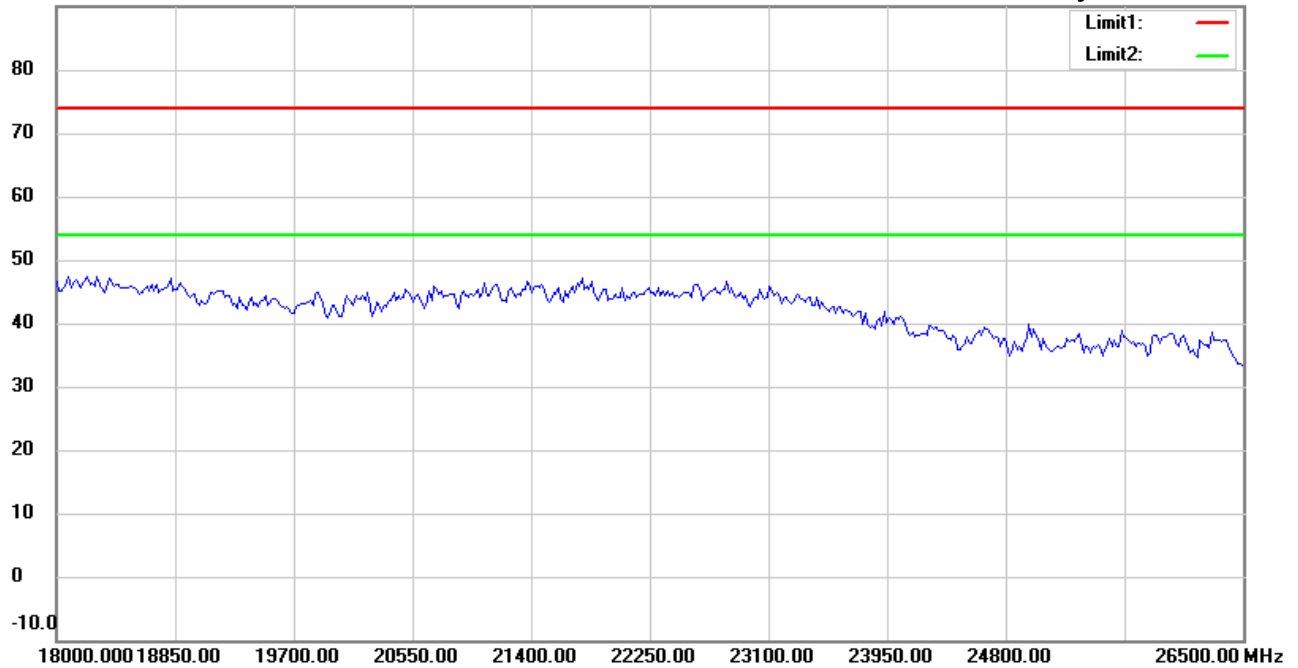
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 9:50:07 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#1

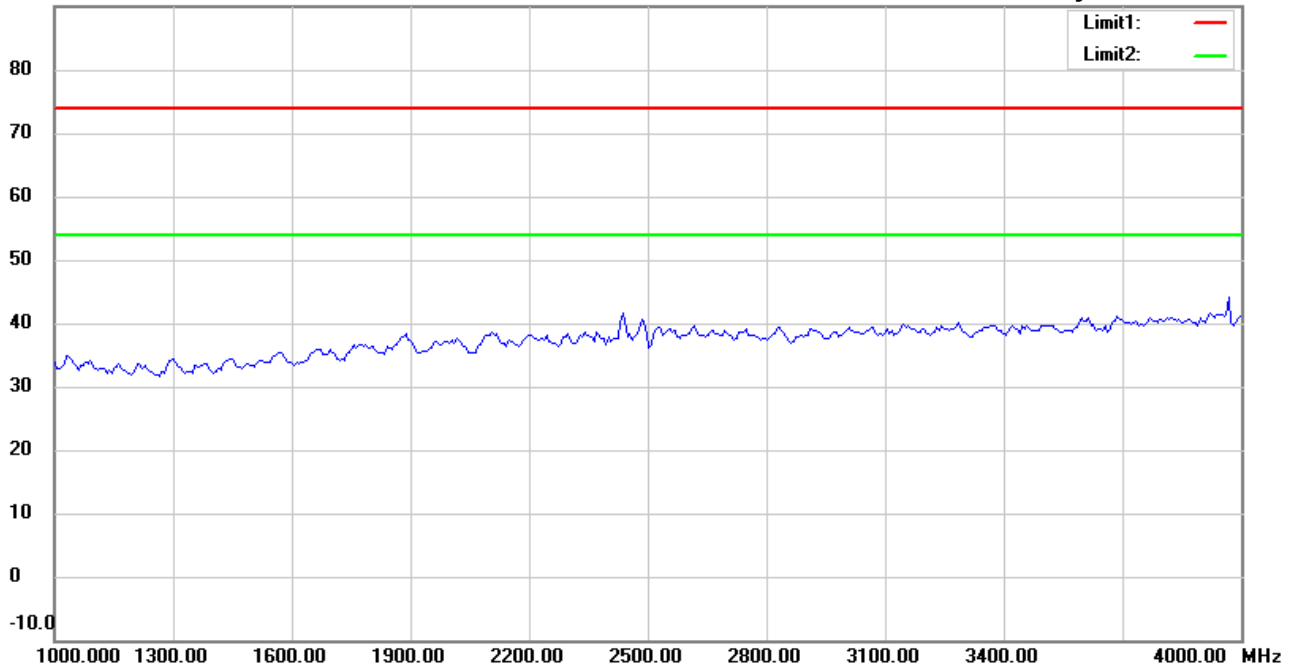
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:07:25 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

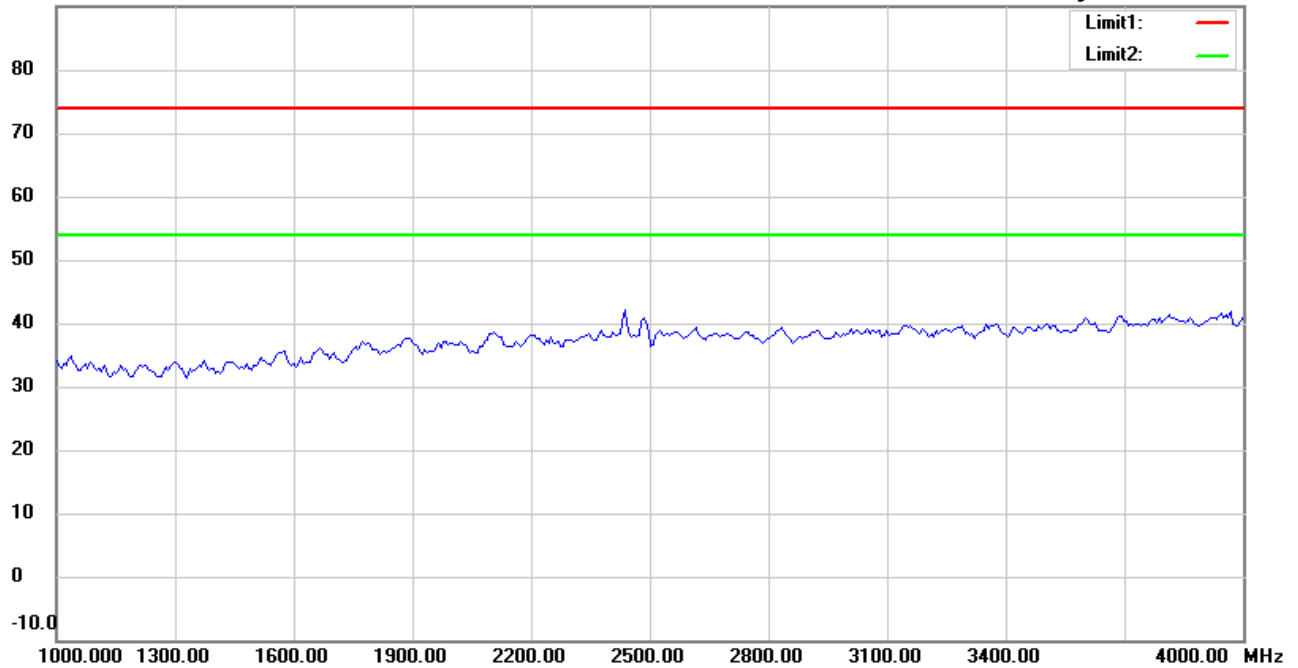
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:10:56 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#2

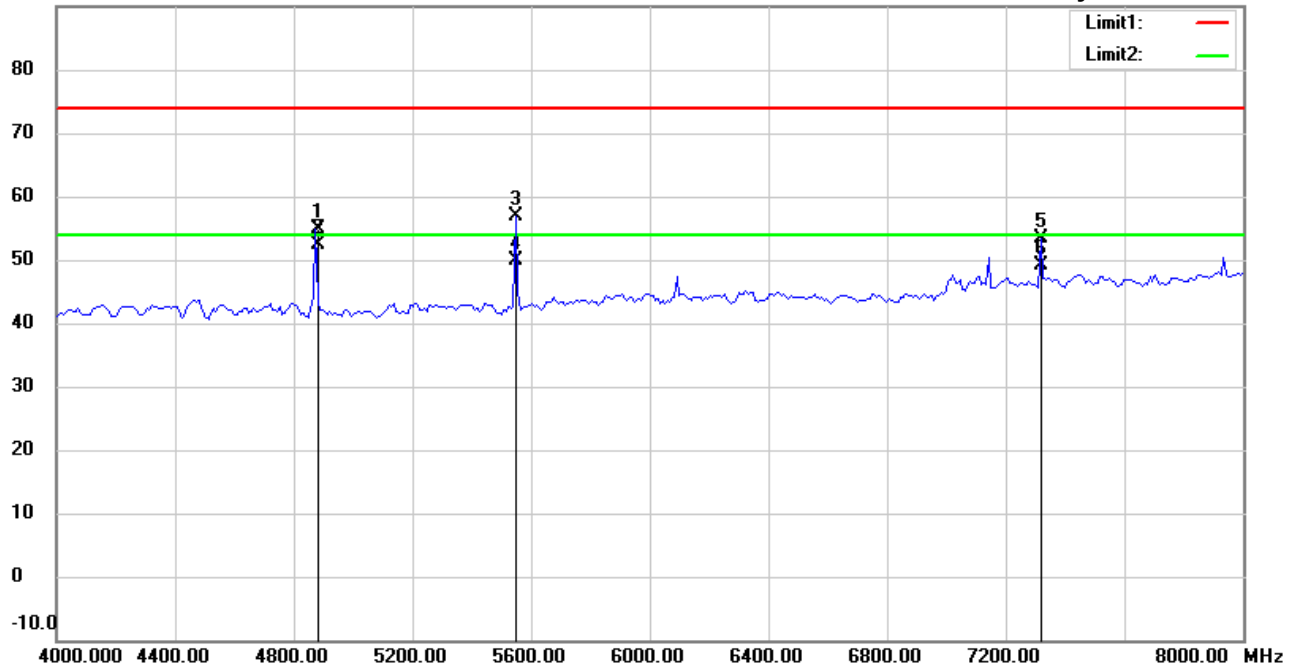
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:08:25 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4873.978	54.20	peak	0.69	54.89	74.00	167	202	-19.11	
*	4873.978	51.70	AVG	0.69	52.39	54.00	167	202	-1.61	
	5547.094	54.49	peak	2.33	56.82	74.00	150	226	-17.18	
	5547.094	47.66	AVG	2.33	49.99	54.00	150	226	-4.01	
	7318.637	47.78	peak	5.61	53.39	74.00	150	46	-20.61	
	7318.637	43.57	AVG	5.61	49.18	54.00	150	46	-4.82	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

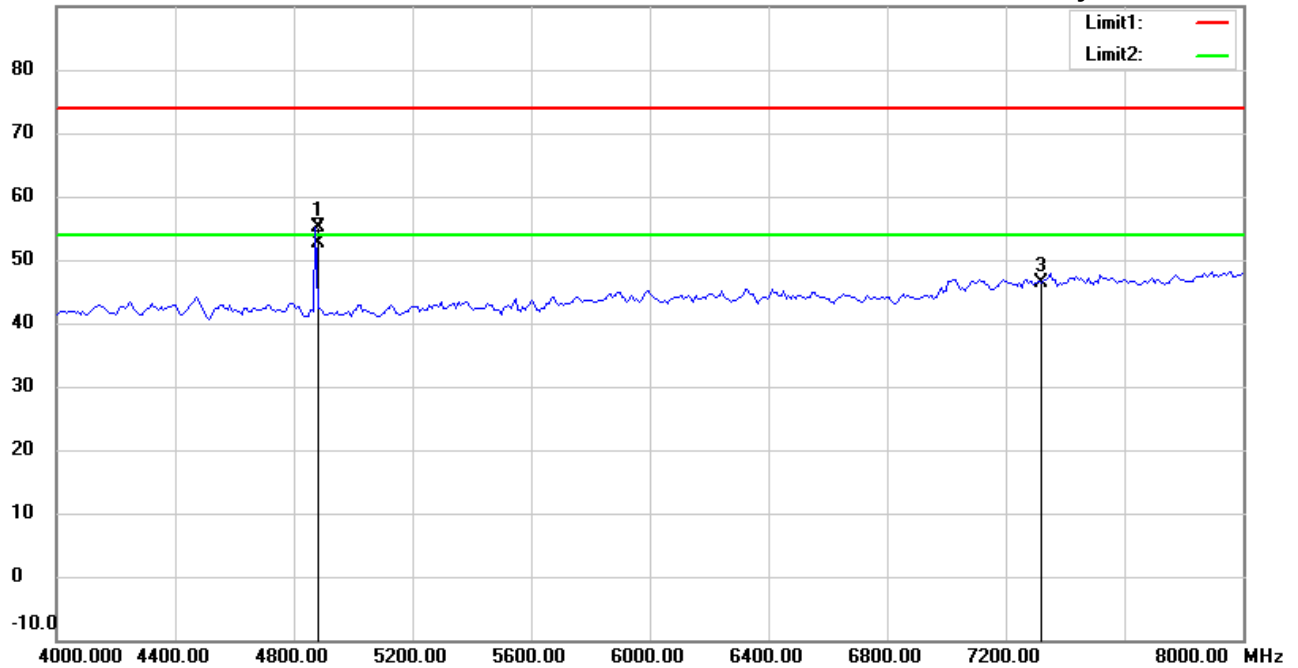
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:11:57 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	54.51	peak	0.69	55.20	74.00	150	117	-18.80	
*	4873.748	51.97	AVG	0.69	52.66	54.00	150	117	-1.34	
	7311.000	40.84	peak	5.57	46.41	74.00	150	250	-27.59	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

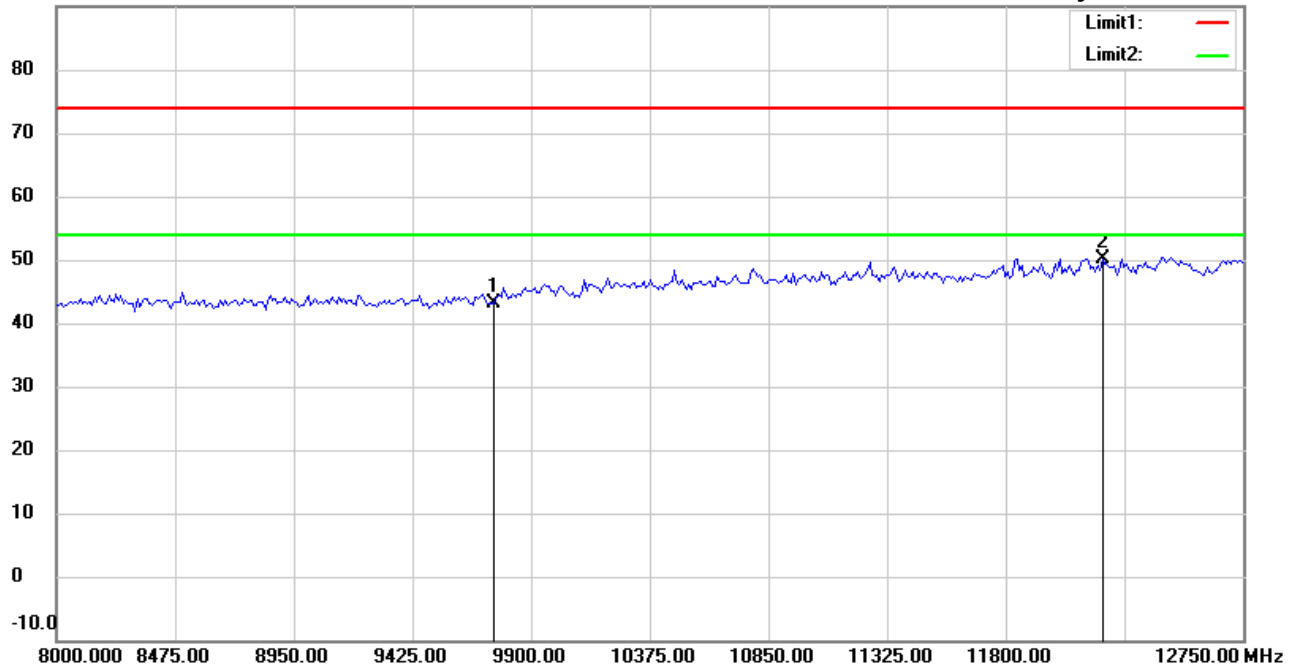
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:09:32 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	34.51	peak	8.57	43.08	74.00	150	40	-30.92	
*	12185.000	34.86	peak	15.16	50.02	74.00	150	172	-23.98	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

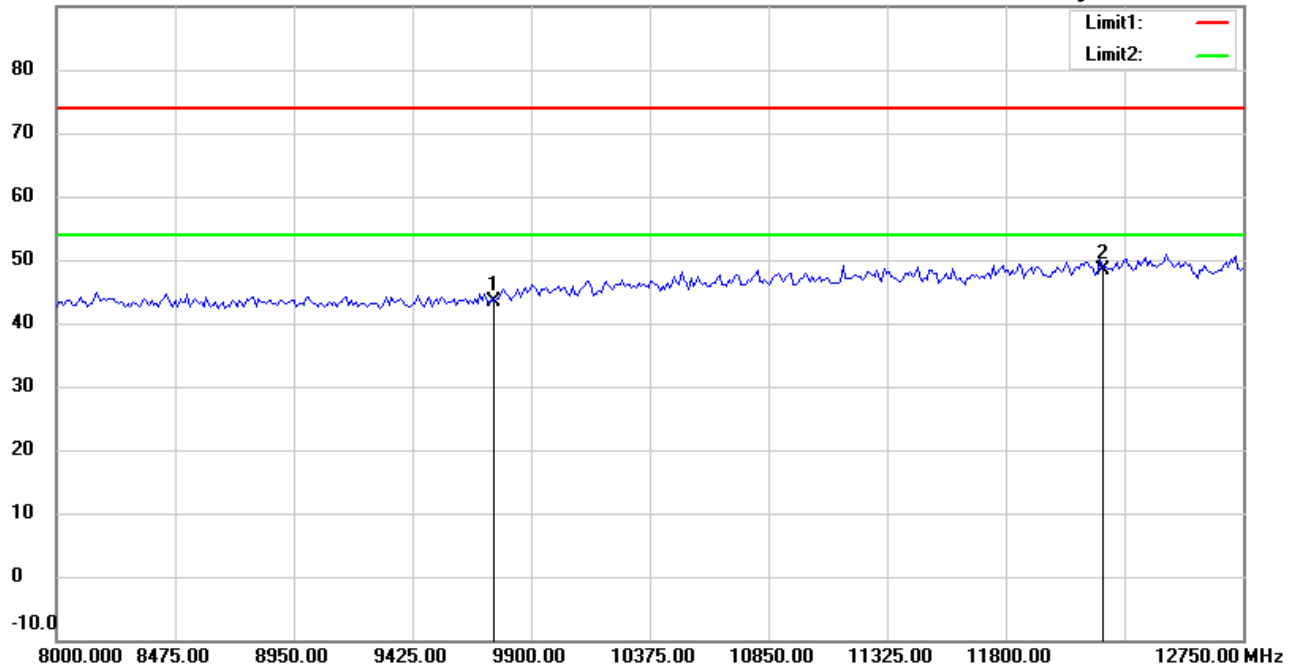
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:12:56 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	34.77	peak	8.57	43.34	74.00	150	274	-30.66	
*	12185.000	33.16	peak	15.16	48.32	74.00	150	168	-25.68	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

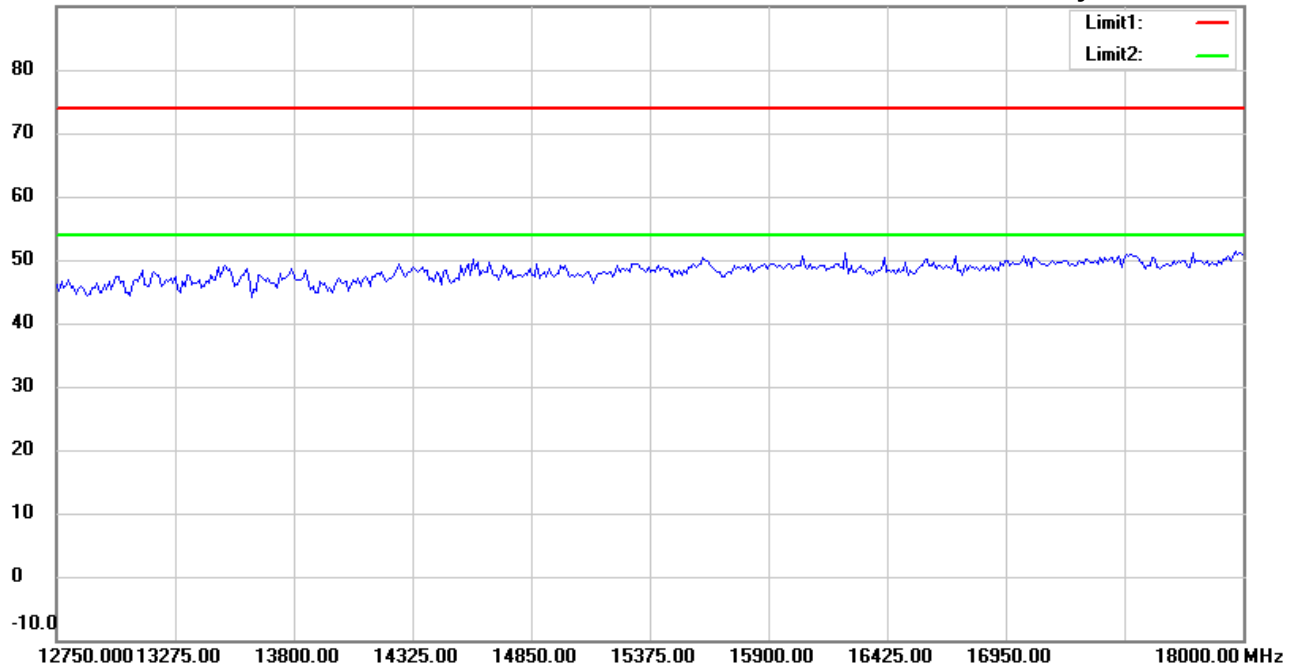
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:09:45 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#9

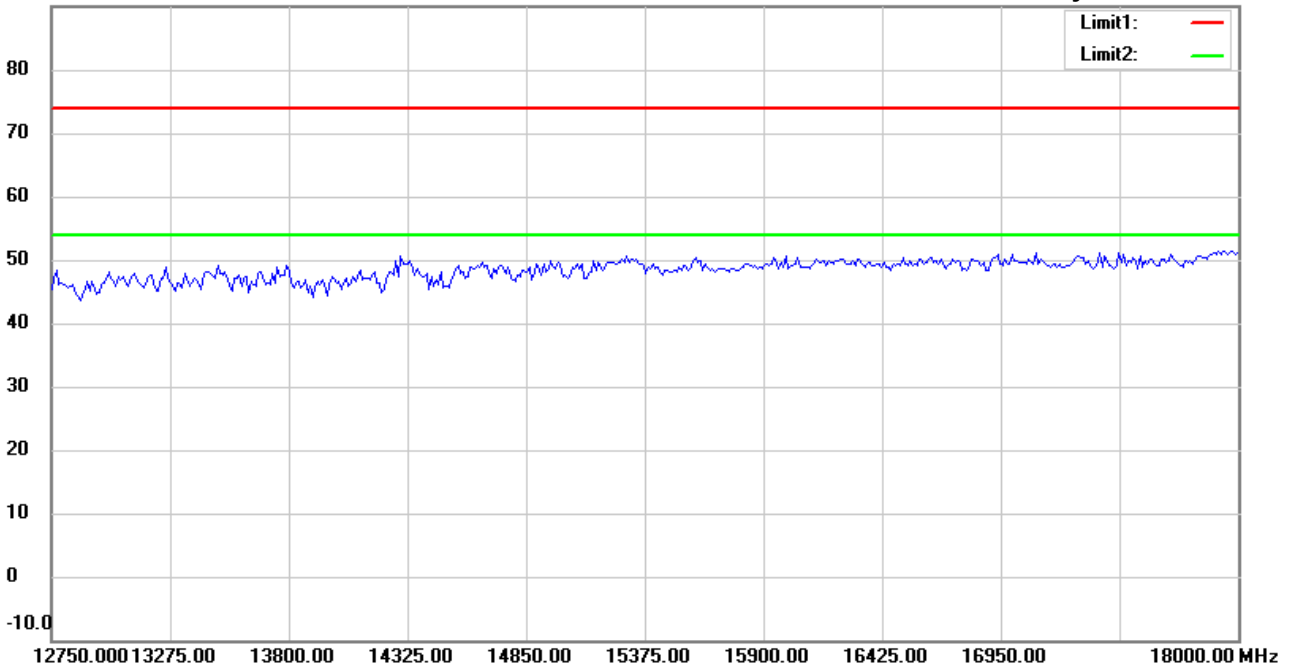
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:13:10 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#5

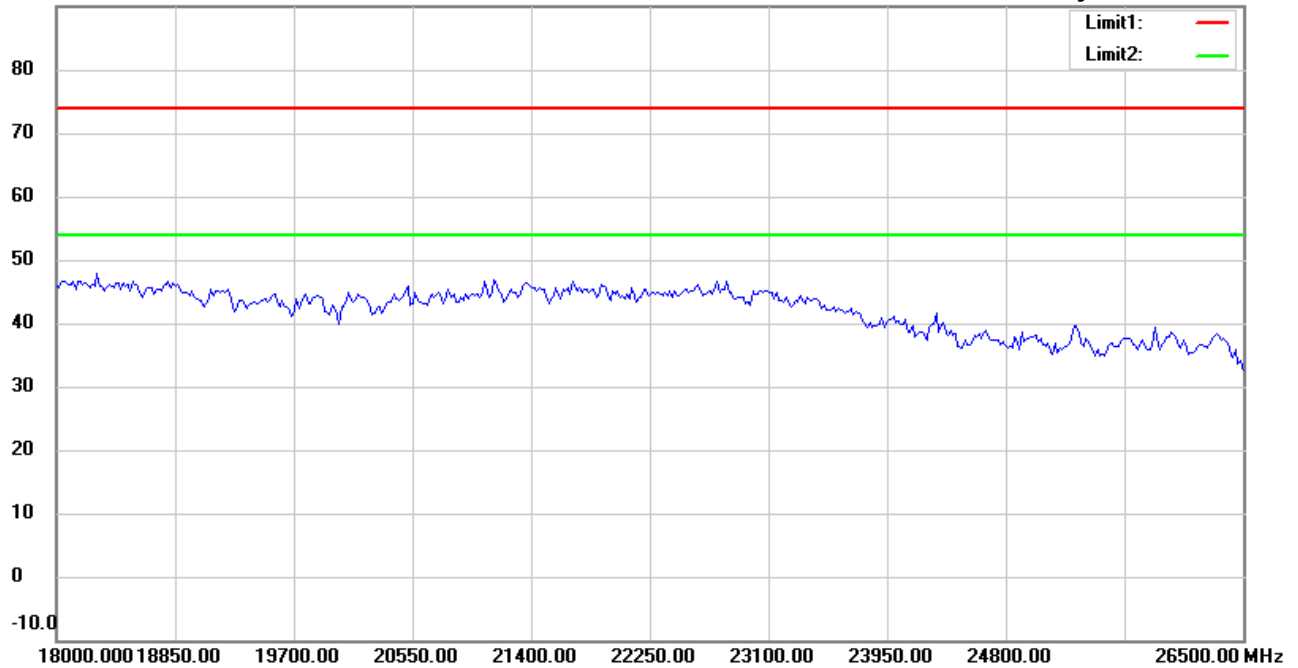
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:09:55 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#10

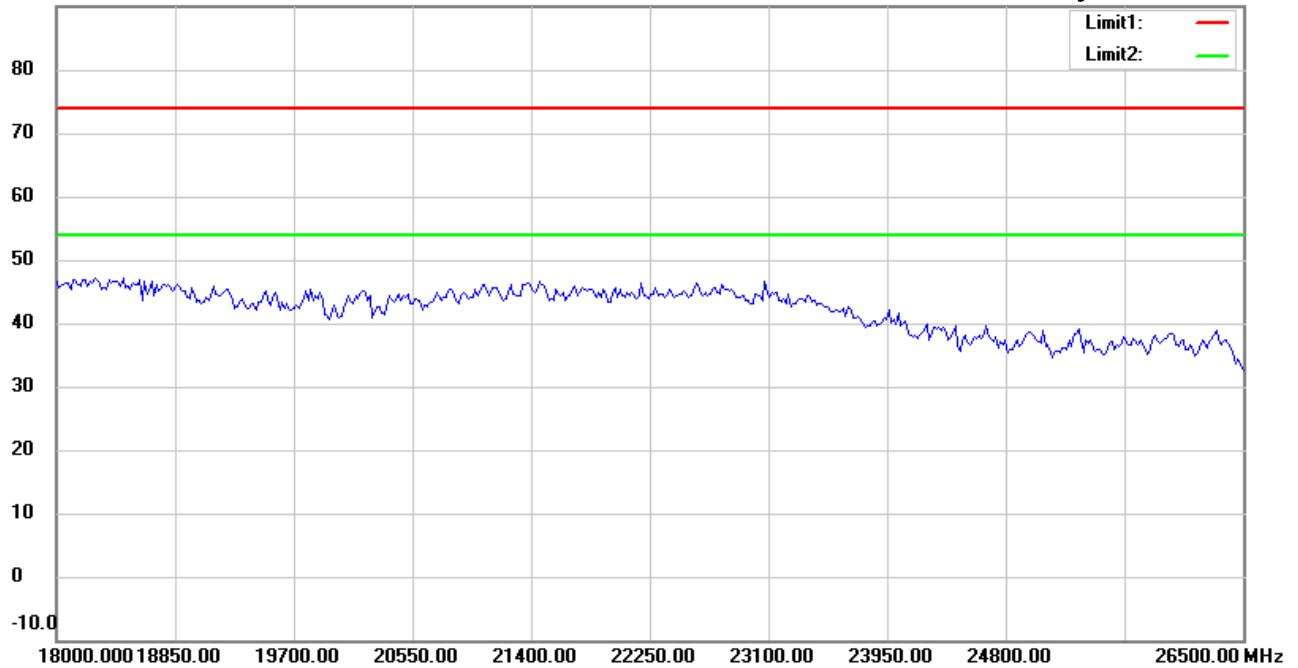
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:13:20 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#1

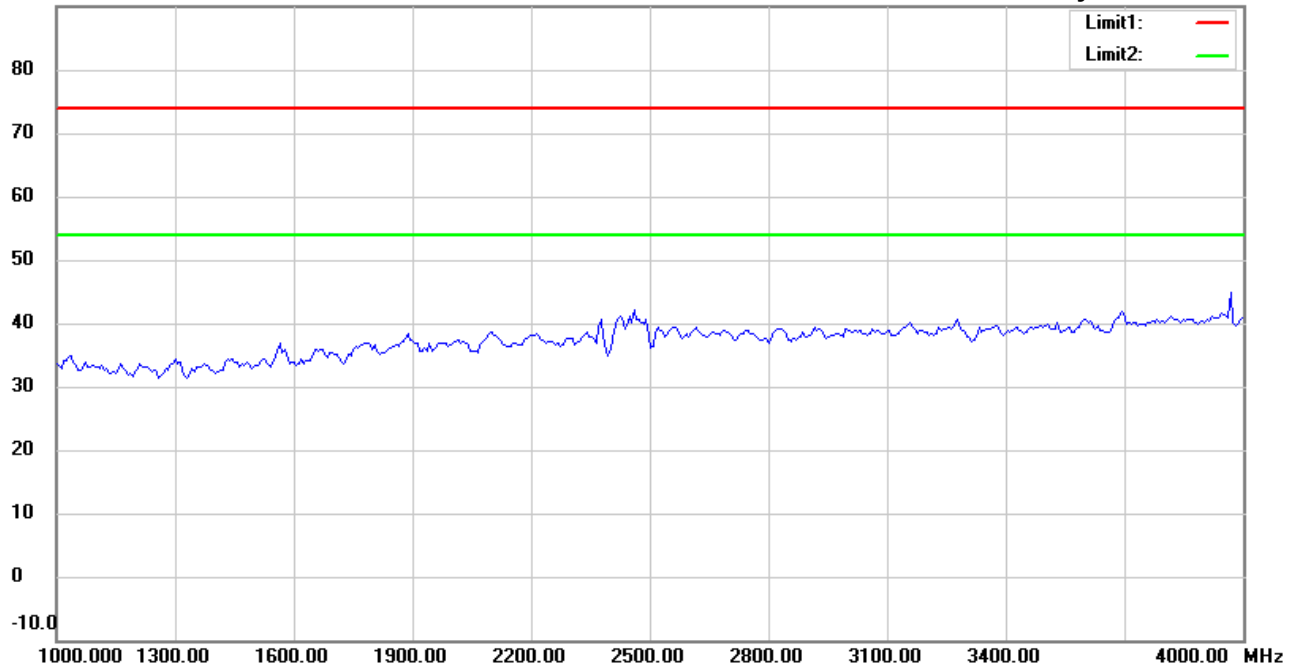
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:26:49 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

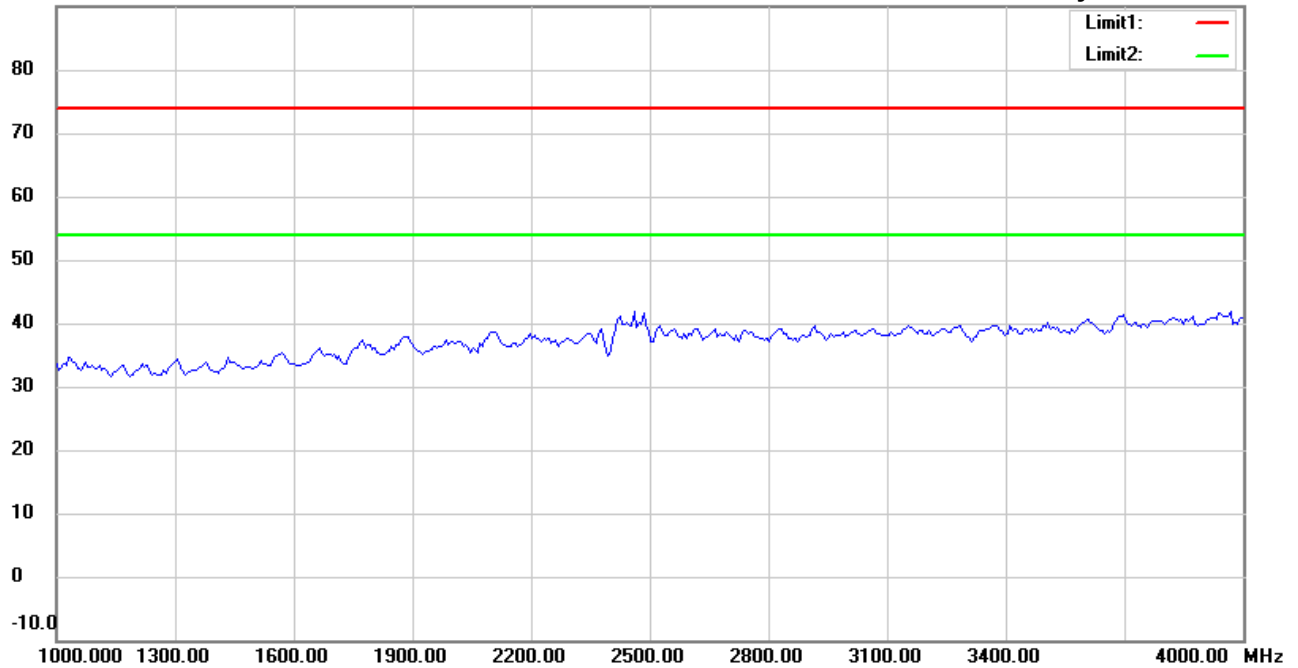
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:30:20 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

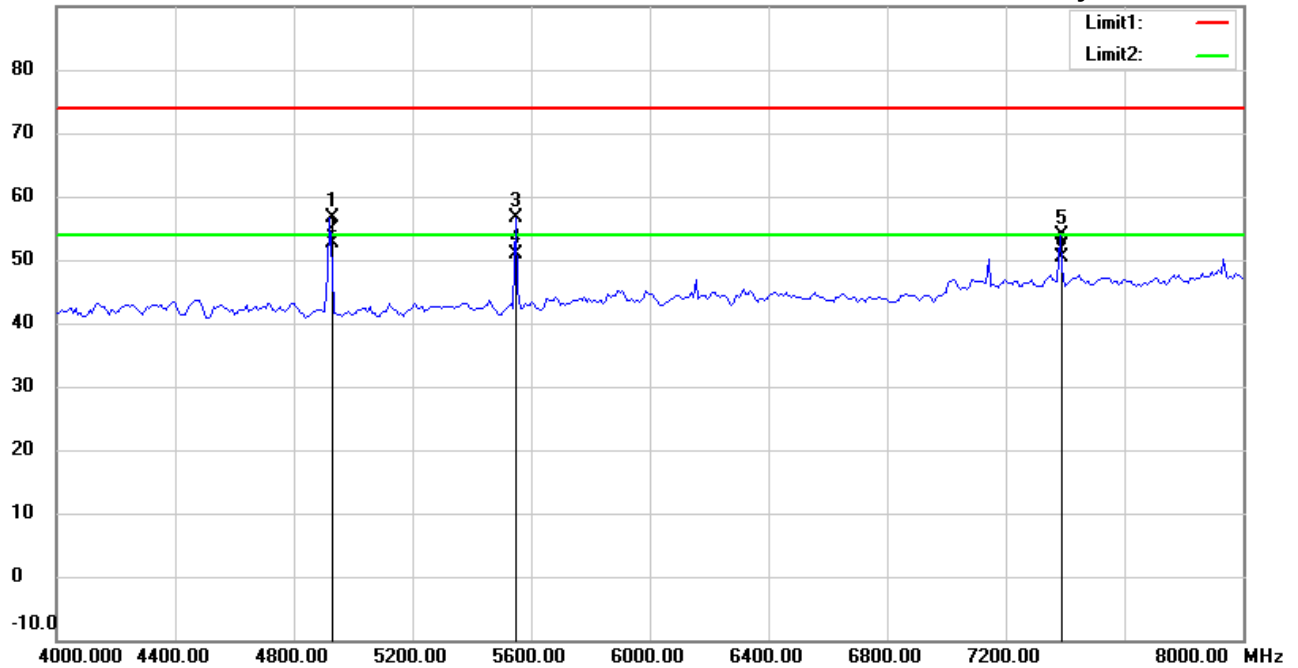
Date: 1/18/2019

Temperature: 15.8 °C

90.0 dBuV/m

Time: 10:27:49 PM

Humidity: 69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Horizontal**

EUT : W6M21809-18414

Power : 120 Va.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
	4924.020	55.90	peak	0.71	56.61	74.00	160	204	-17.39	
*	4924.020	51.86	AVG	0.71	52.57	54.00	160	204	-1.43	
	5547.094	54.40	peak	2.33	56.73	74.00	150	165	-17.27	
	5547.094	48.65	AVG	2.33	50.98	54.00	150	165	-3.02	
	7382.766	47.97	peak	5.97	53.94	74.00	150	269	-20.06	
	7382.766	44.53	AVG	5.97	50.50	54.00	150	269	-3.50	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

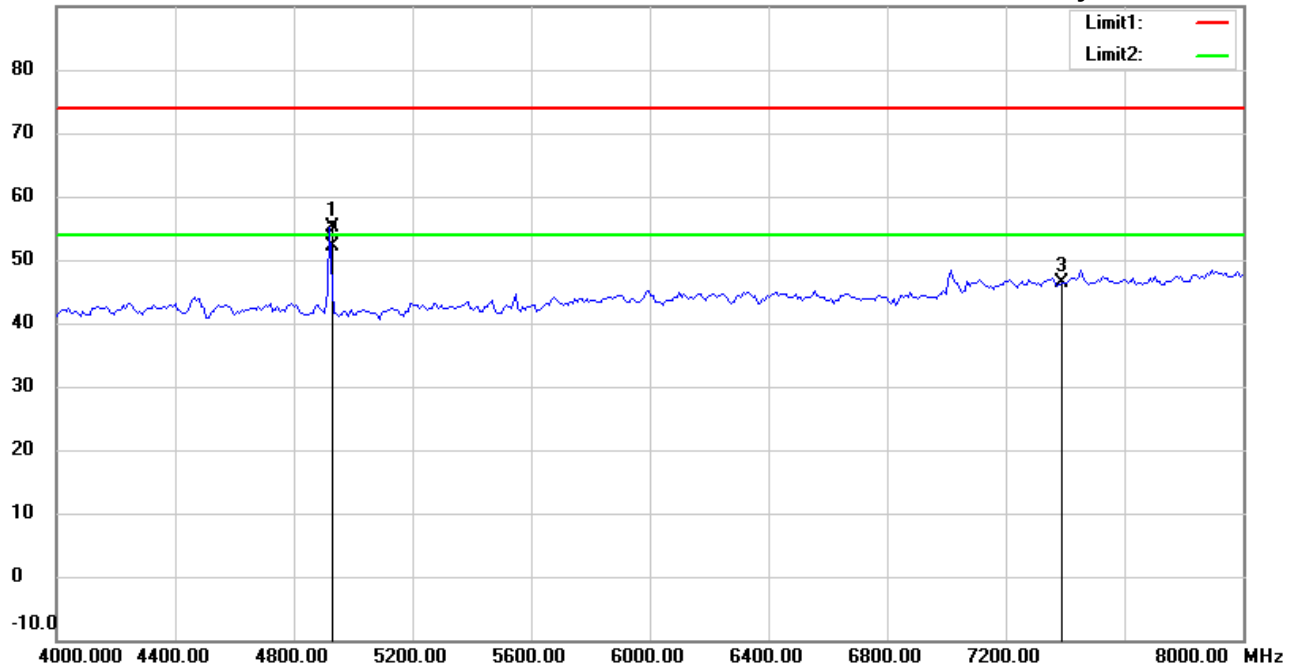
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:31:20 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4921.844	54.39	peak	0.71	55.10	74.00	150	231	-18.90	
*	4921.844	51.38	AVG	0.71	52.09	54.00	150	231	-1.91	
	7386.000	40.46	peak	5.99	46.45	74.00	150	178	-27.55	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

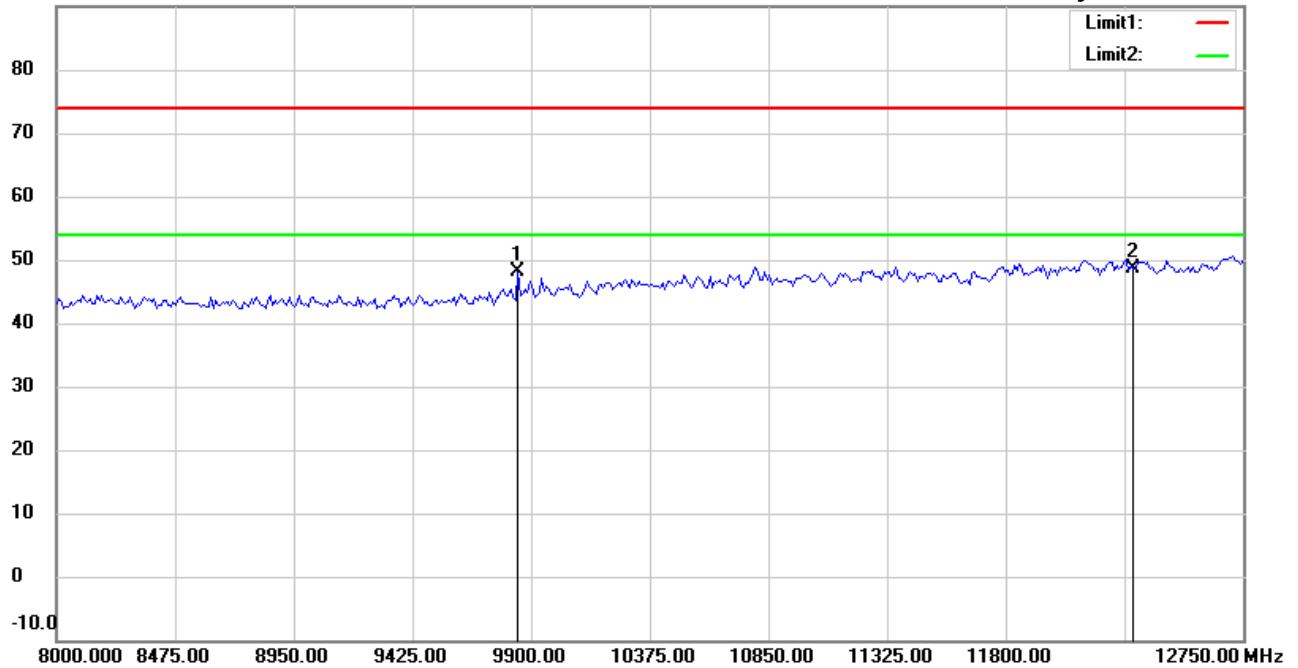
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:28:56 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
	9846.693	38.92	peak	9.26	48.18	74.00	150	120	-25.82	
*	12310.000	33.95	peak	14.62	48.57	74.00	150	95	-25.43	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

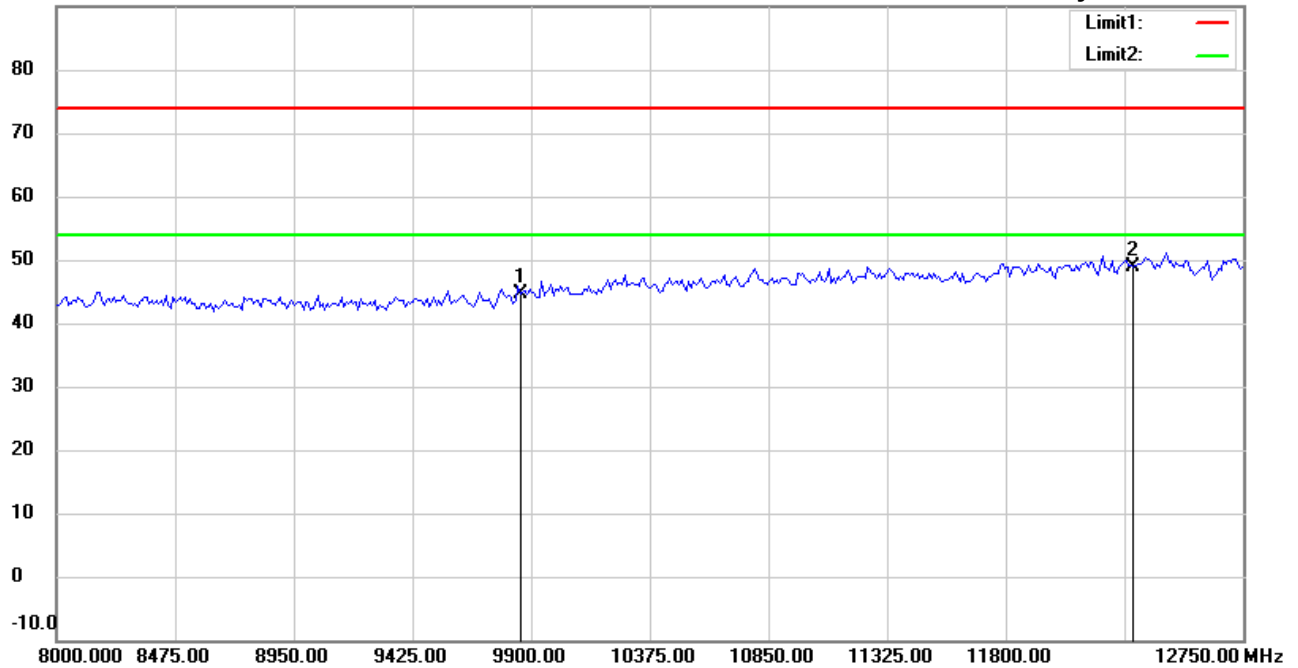
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:32:20 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	35.47	peak	9.27	44.74	74.00	150	245	-29.26	
*	12310.000	34.14	peak	14.62	48.76	74.00	150	139	-25.24	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

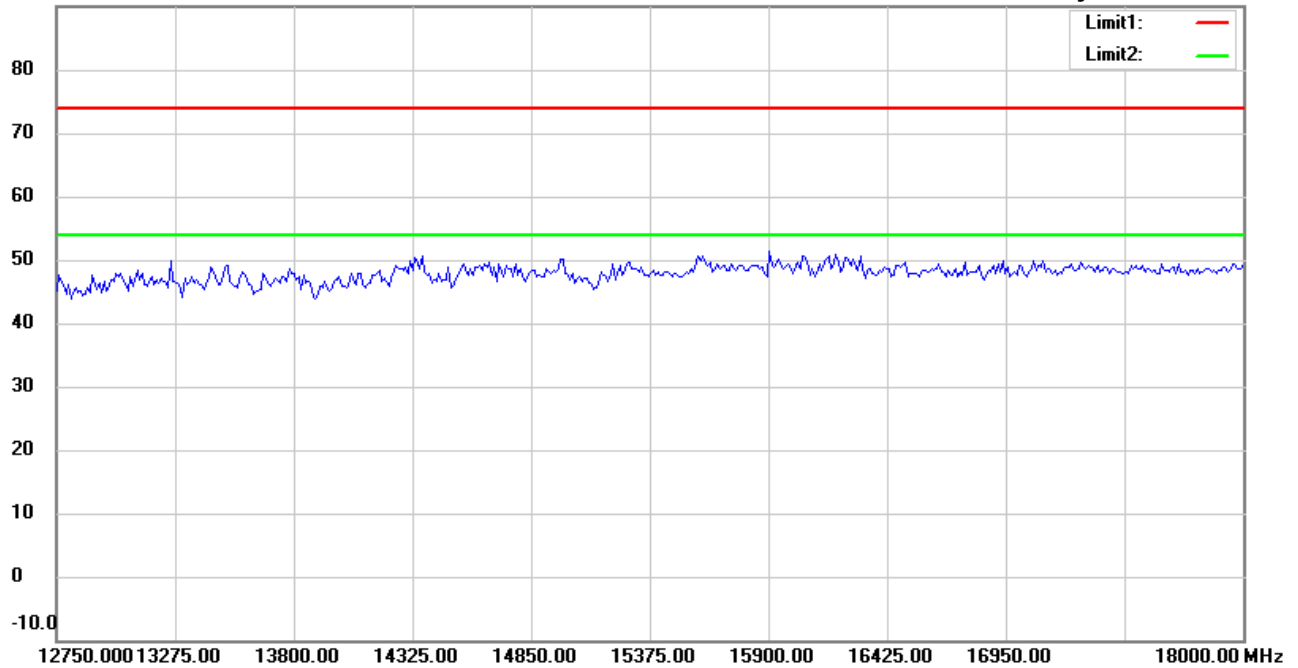
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:29:10 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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



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

Operator: Sky

File :3

Data :#9

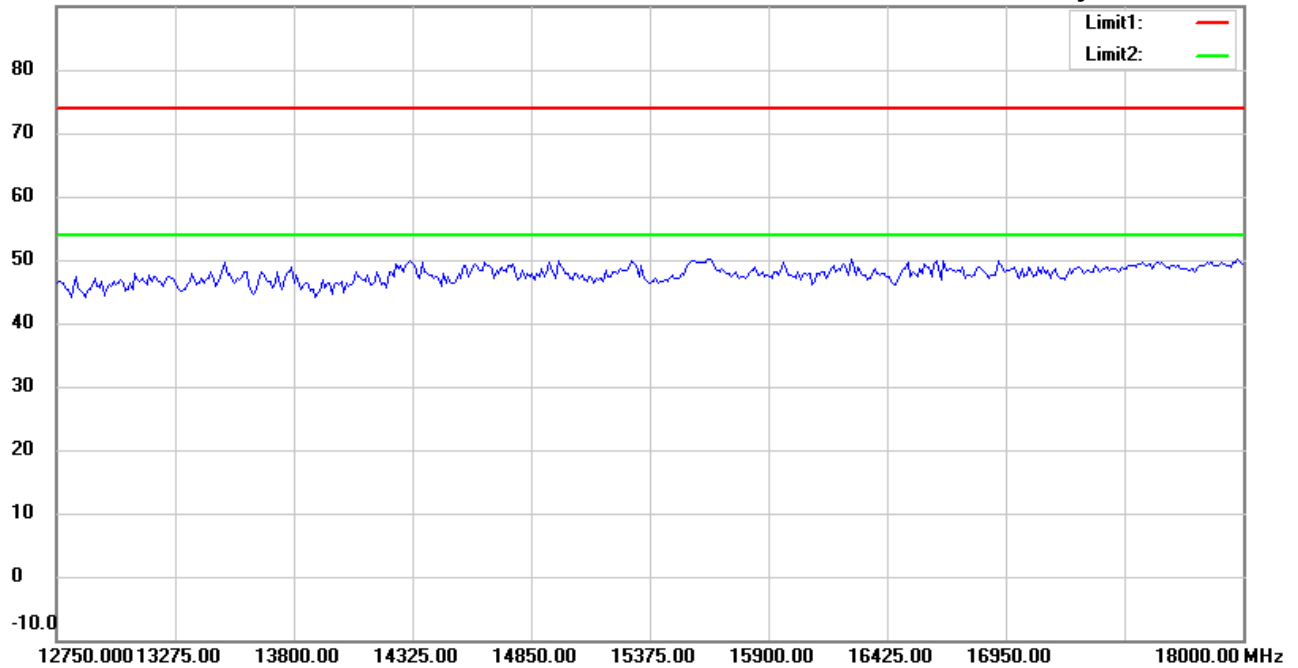
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:32:34 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Sky

File :3

Data :#5

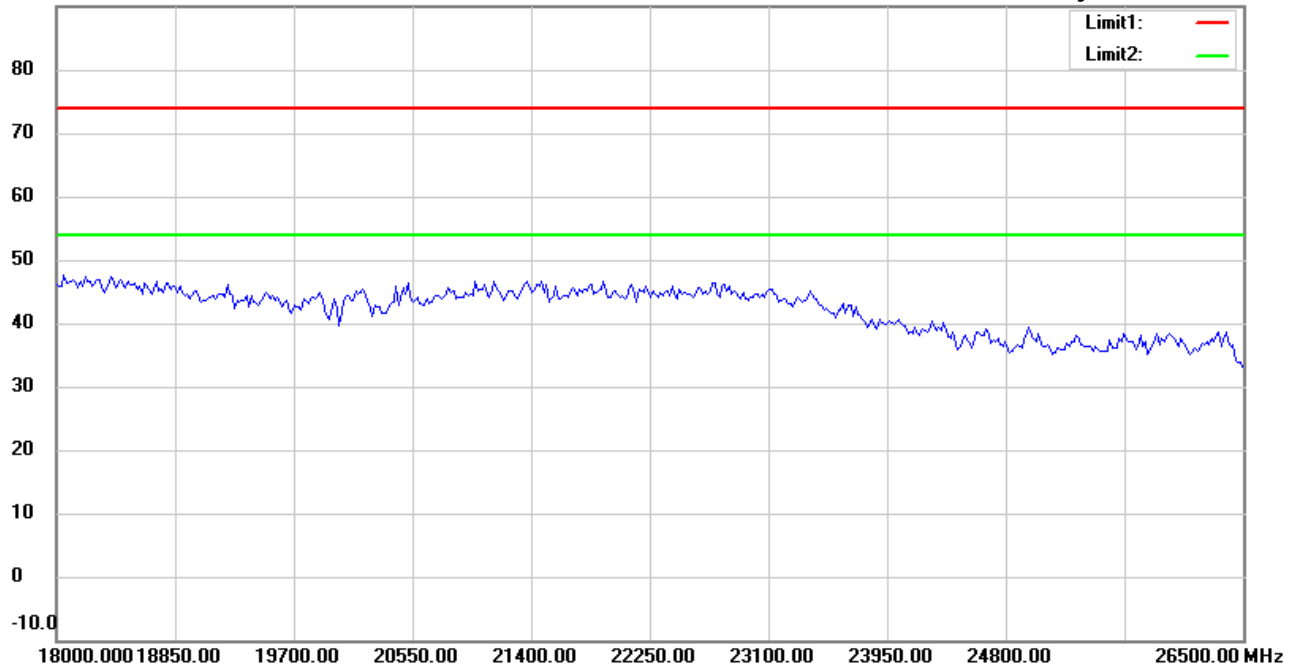
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:29:19 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Sky

File :3

Data :#10

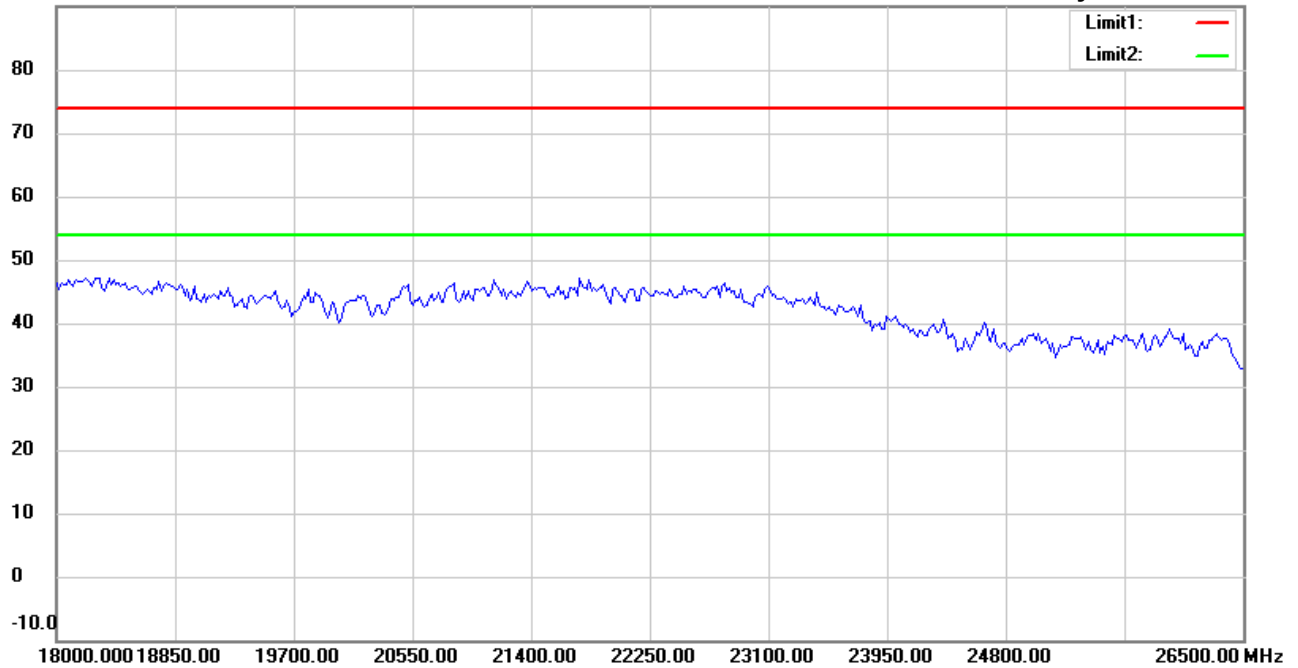
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:32:43 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#1

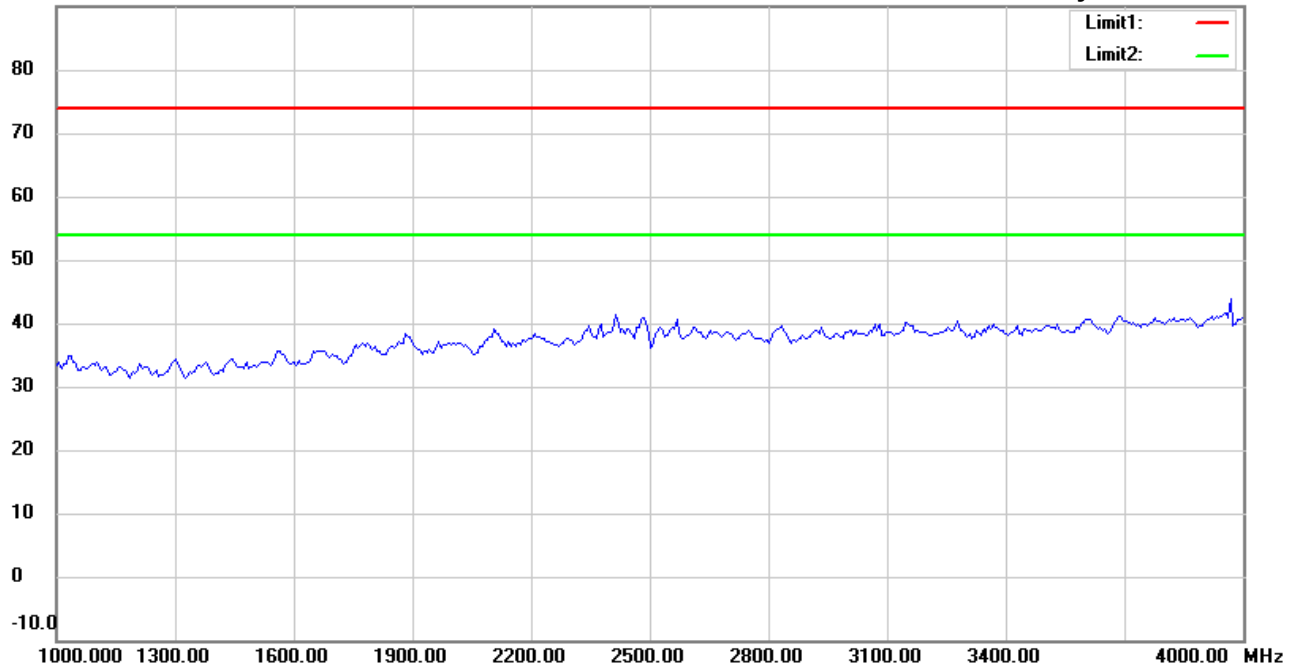
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:43:23 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

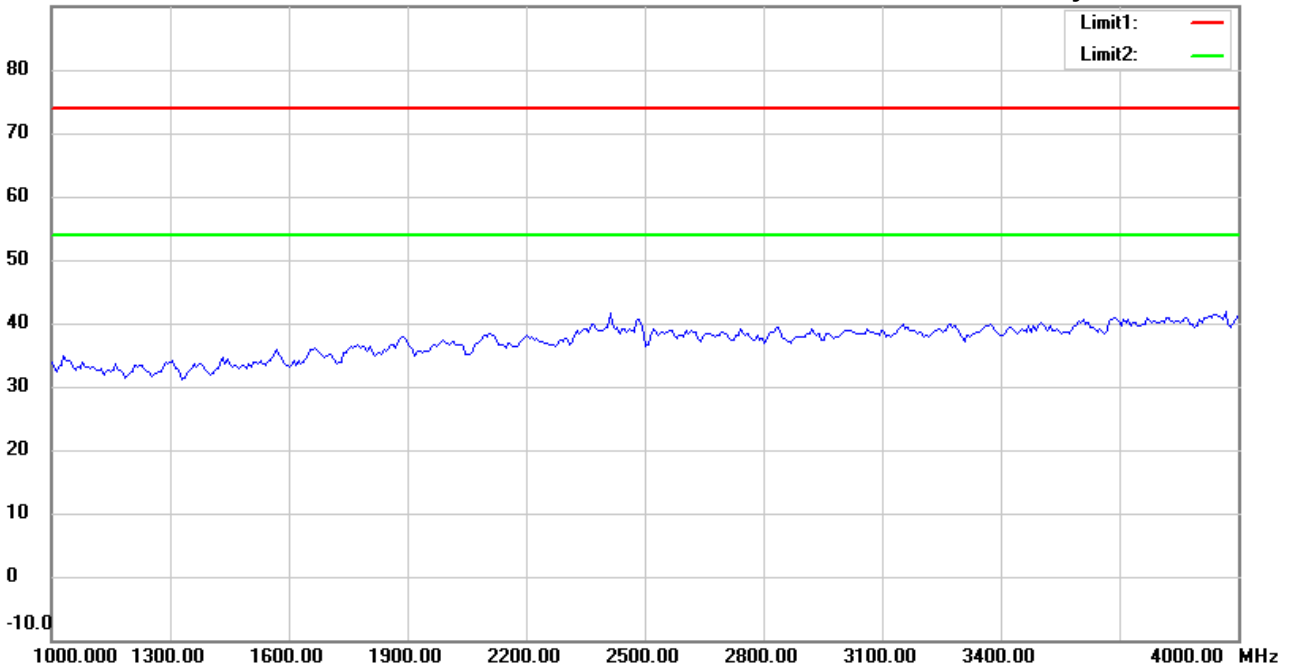
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:46:54 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#2

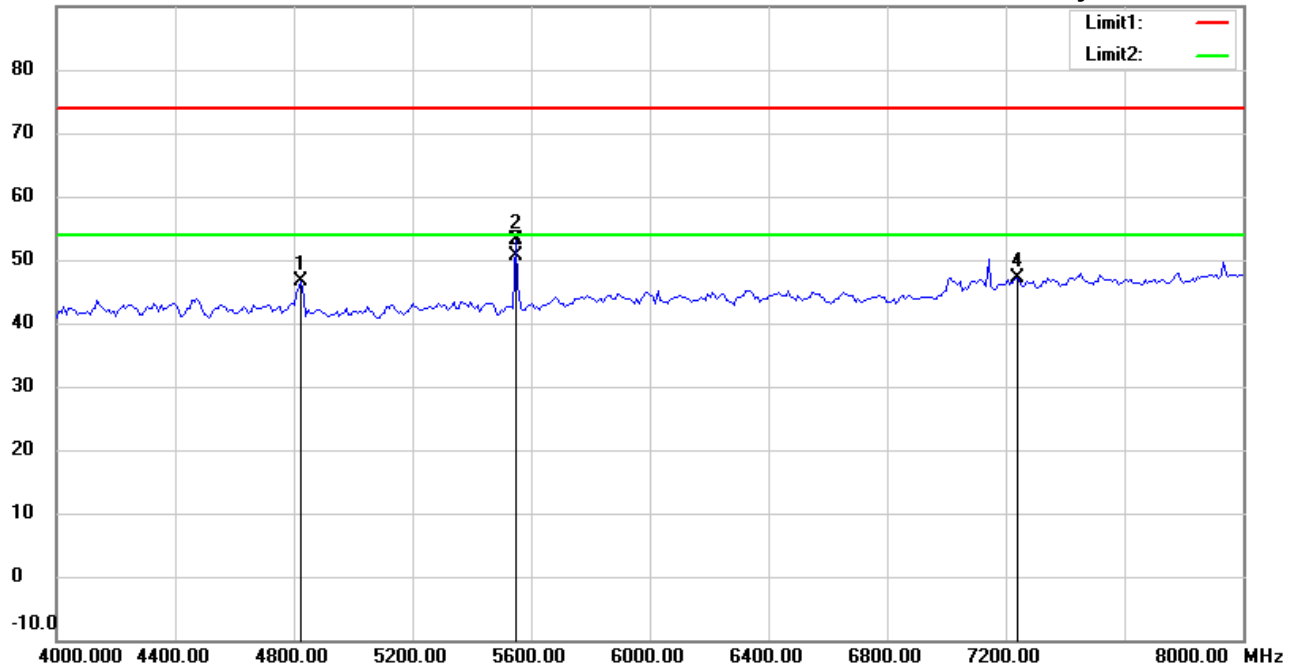
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:44:24 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4824.000	45.88	peak	0.73	46.61	74.00	150	237	-27.39	
	5547.094	50.71	peak	2.33	53.04	74.00	150	41	-20.96	
*	5547.094	48.31	AVG	2.33	50.64	54.00	150	41	-3.36	
	7236.000	41.73	peak	5.42	47.15	74.00	150	140	-26.85	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

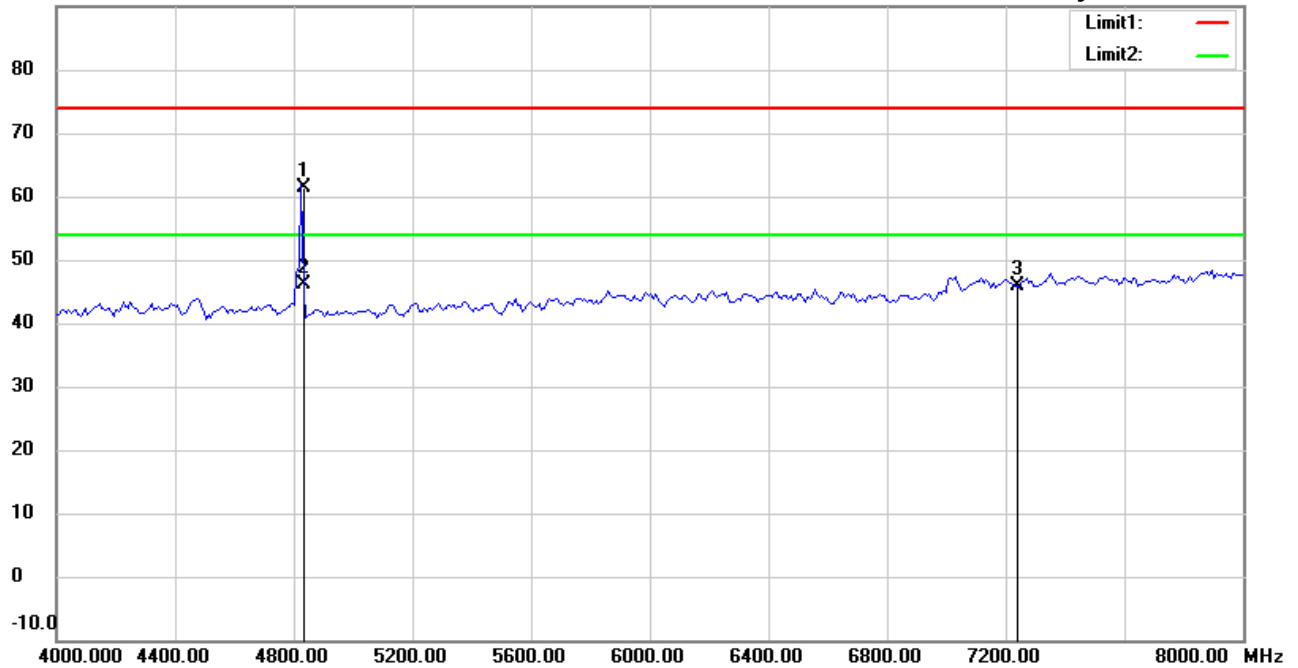
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:47:54 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4826.545	60.73	peak	0.73	61.46	74.00	195	180	-12.54	
*	4826.545	45.48	AVG	0.73	46.21	54.00	195	180	-7.79	
	7236.000	40.46	peak	5.42	45.88	74.00	150	234	-28.12	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

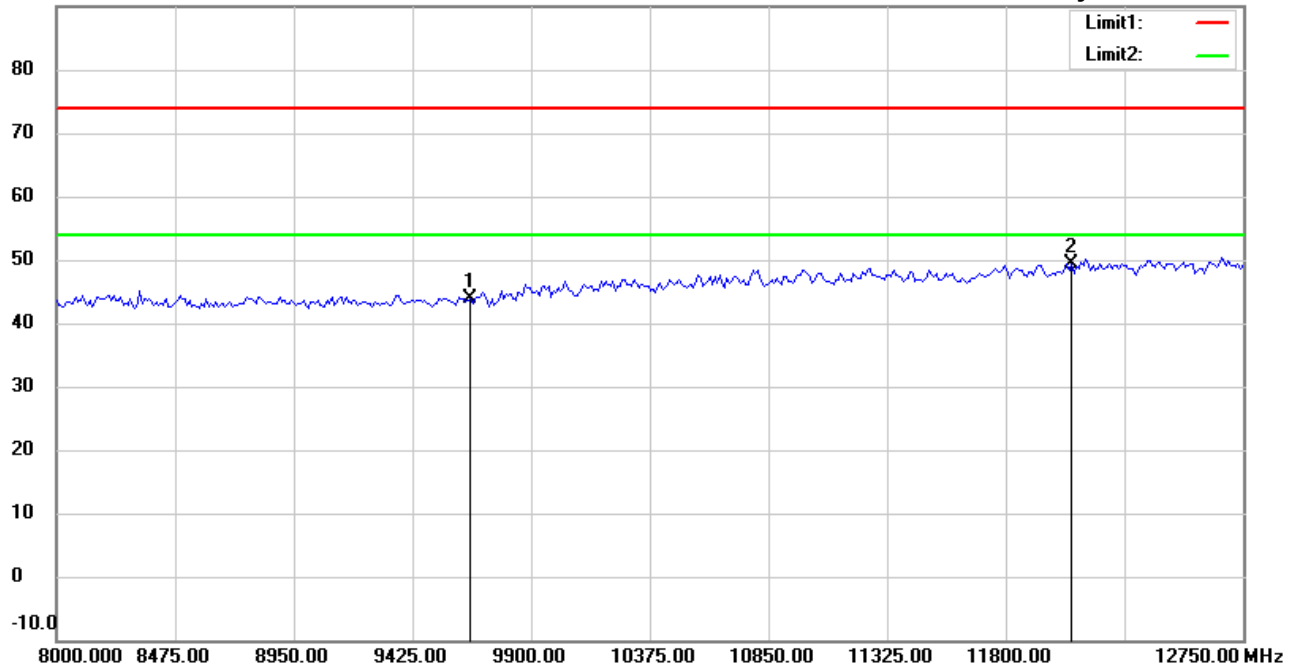
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:45:30 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	35.52	peak	8.28	43.80	74.00	150	55	-30.20	
*	12060.000	35.24	peak	14.17	49.41	74.00	150	140	-24.59	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

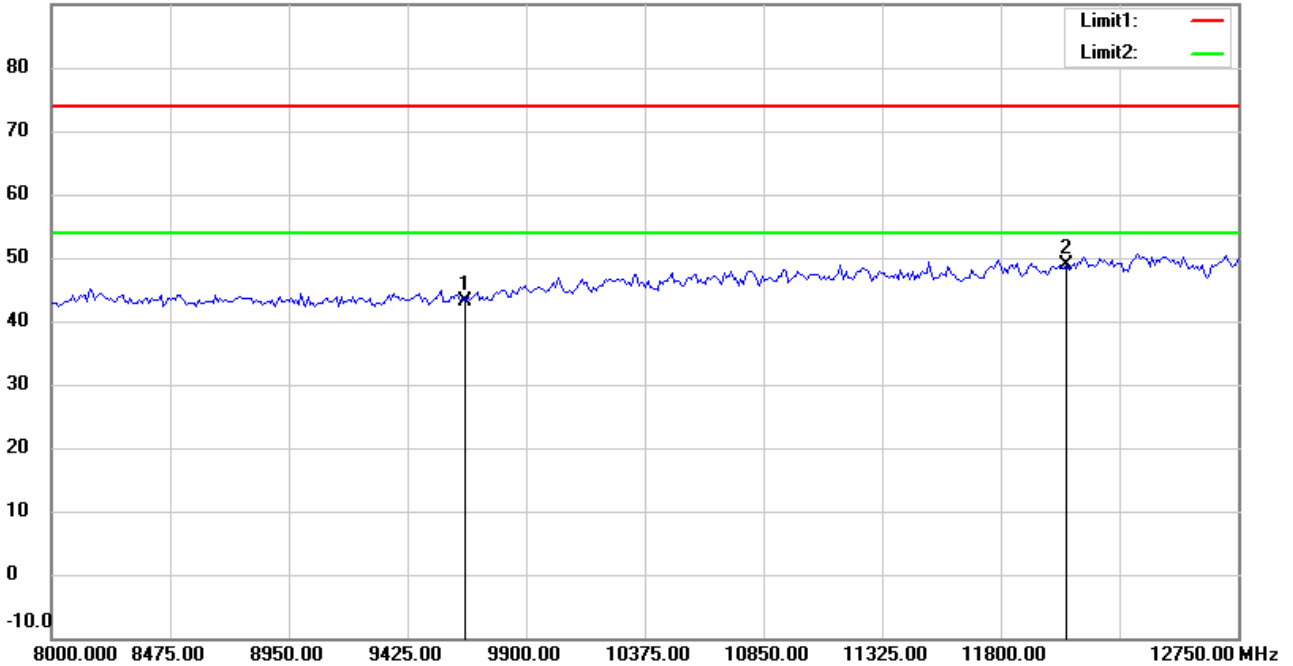
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:48:54 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	34.88	peak	8.28	43.16	74.00	150	57	-30.84	
*	12060.000	34.83	peak	14.17	49.00	74.00	150	249	-25.00	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

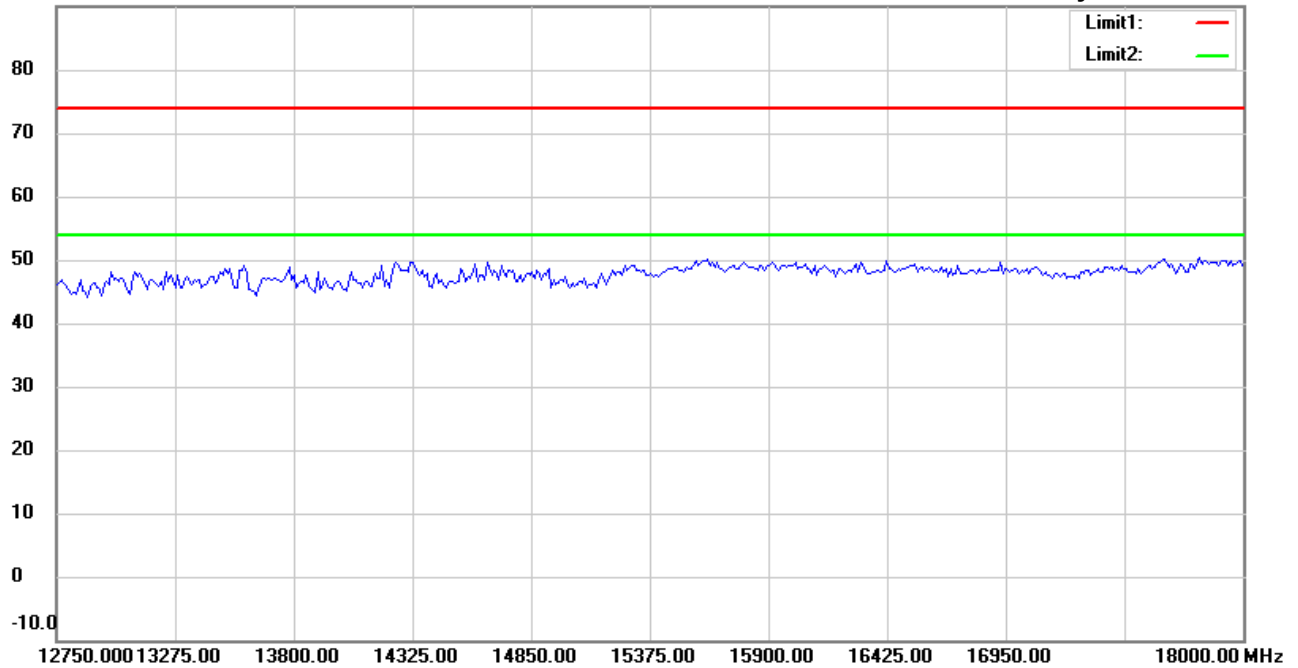
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:45:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#9

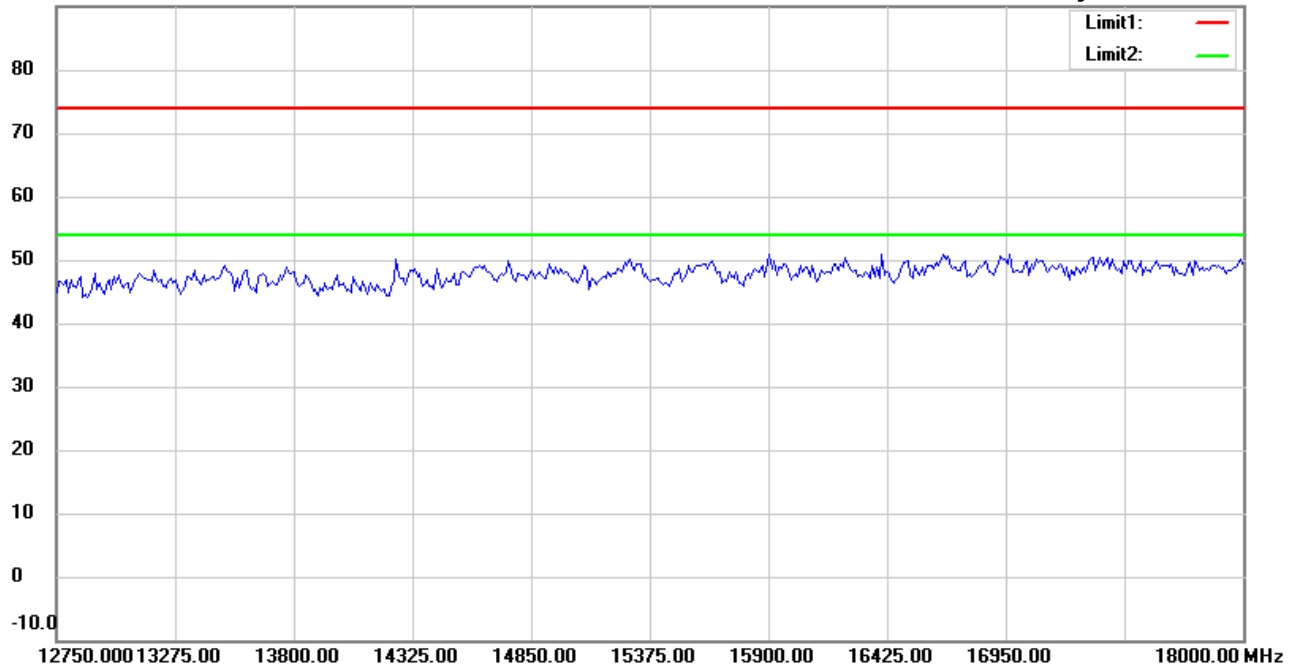
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:49:08 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#5

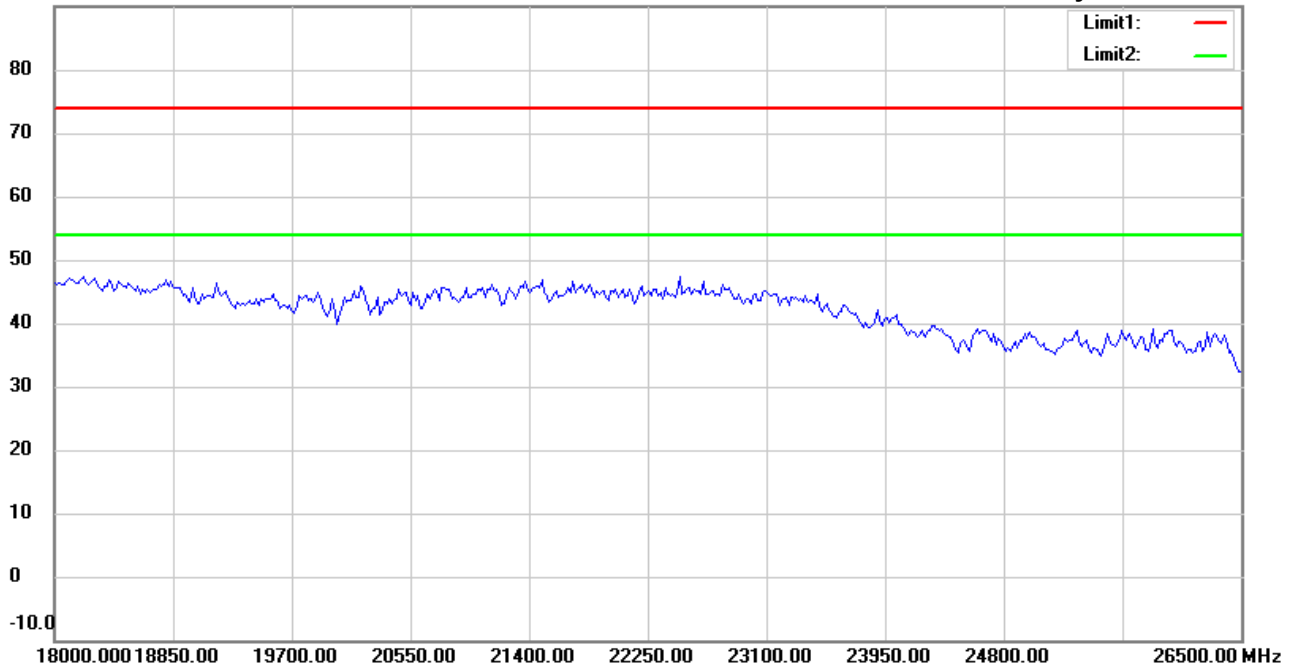
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:45:54 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#10

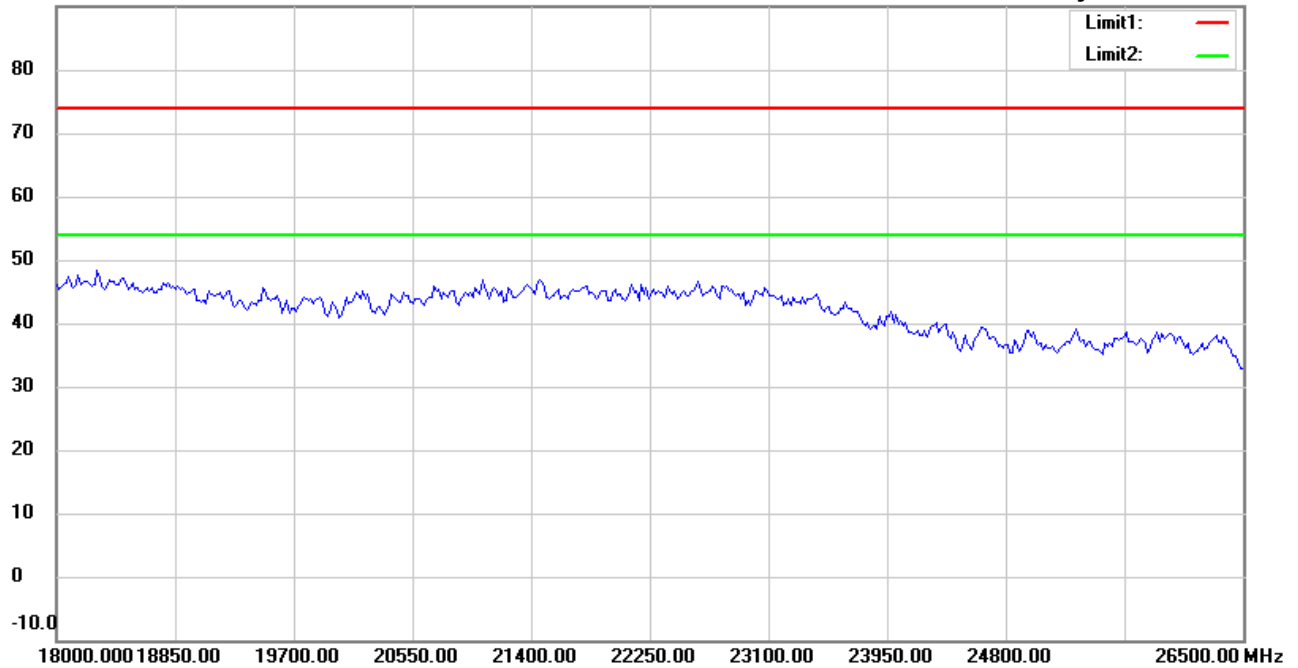
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:49:17 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

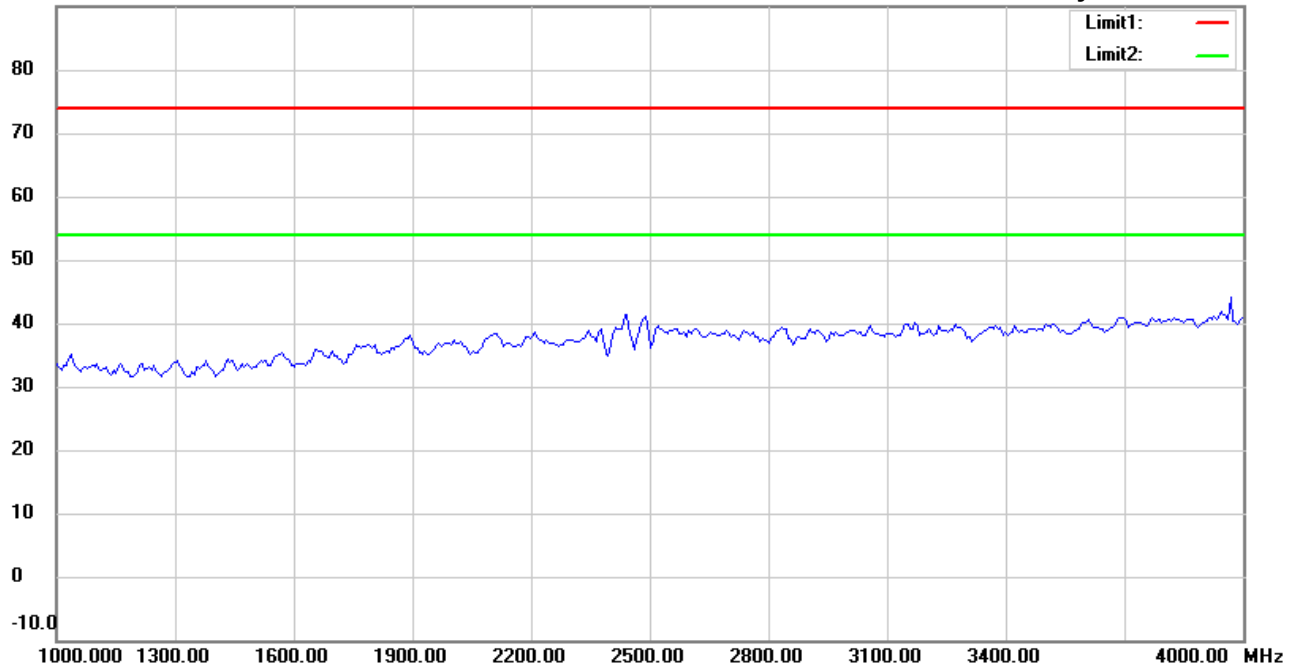
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:56:58 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

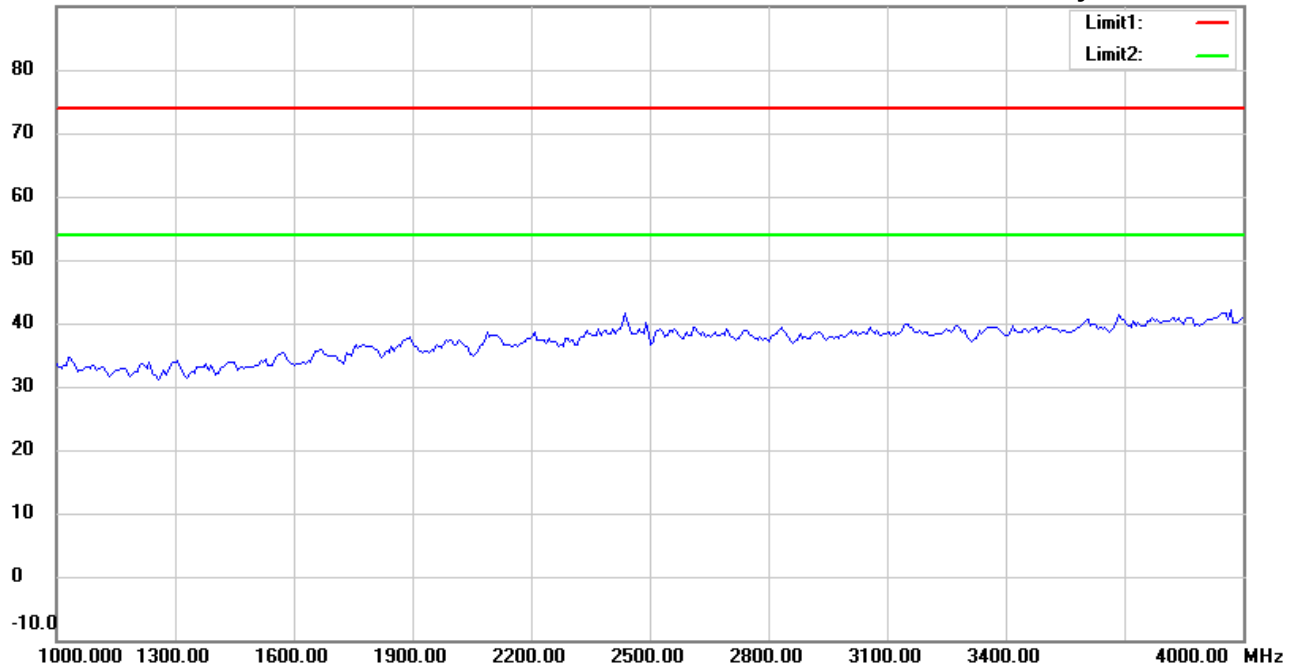
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:00:28 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH6

Note :

Polarization: *Vertical*

Power : 120 Va.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



Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

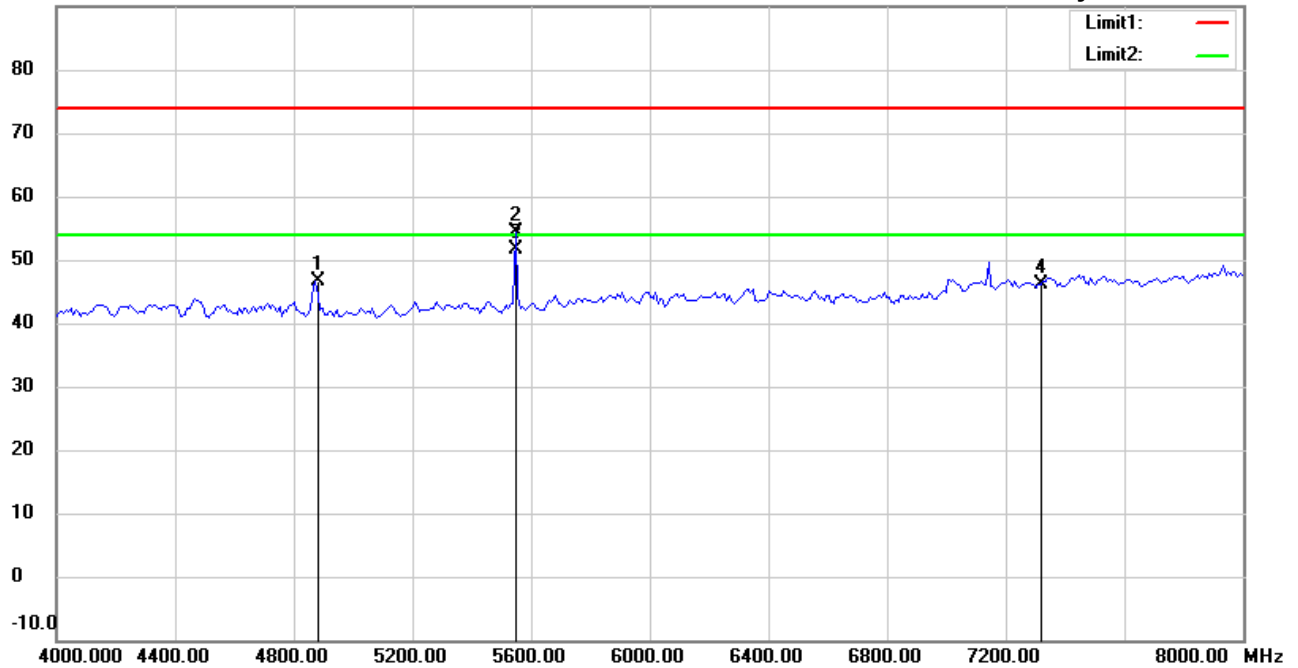
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:57:59 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
	4873.748	45.86	peak	0.69	46.55	74.00	150	57	-27.45	
	5547.094	52.09	peak	2.33	54.42	74.00	150	127	-19.58	
*	5547.094	49.38	AVG	2.33	51.71	54.00	150	127	-2.29	
	7311.000	40.50	peak	5.57	46.07	74.00	150	160	-27.93	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

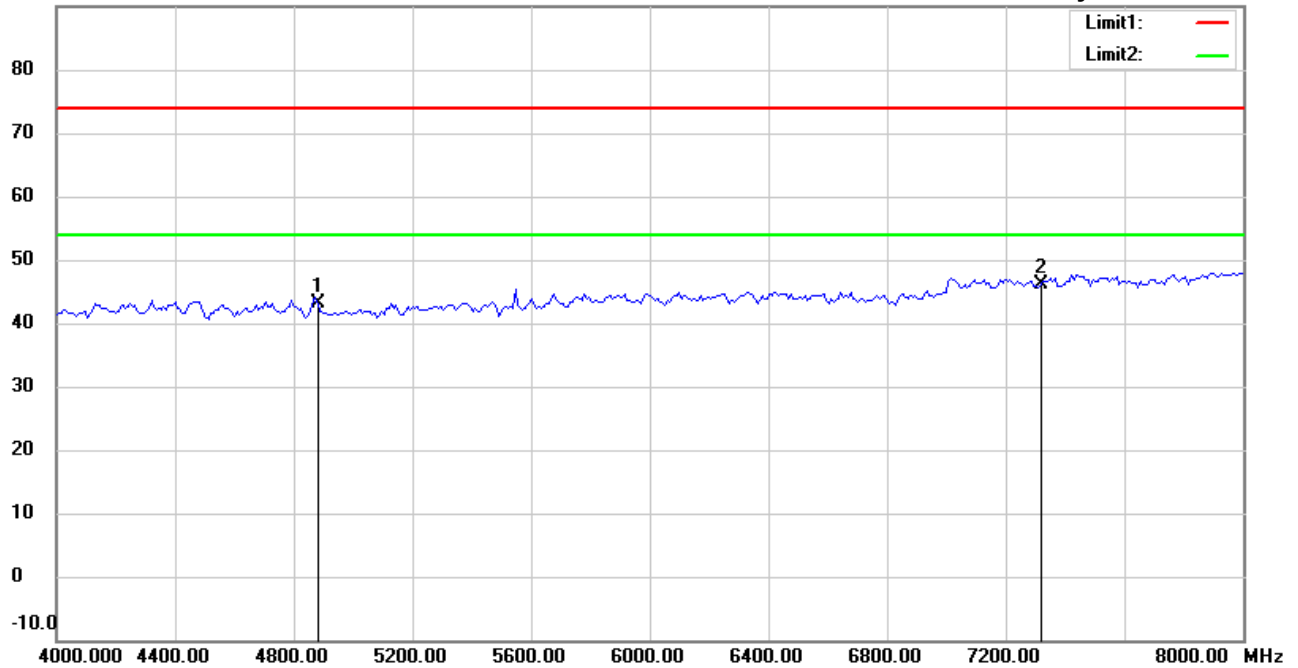
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:01:29 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	42.50	peak	0.69	43.19	74.00	150	127	-30.81	
*	7311.000	40.62	peak	5.57	46.19	74.00	150	300	-27.81	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

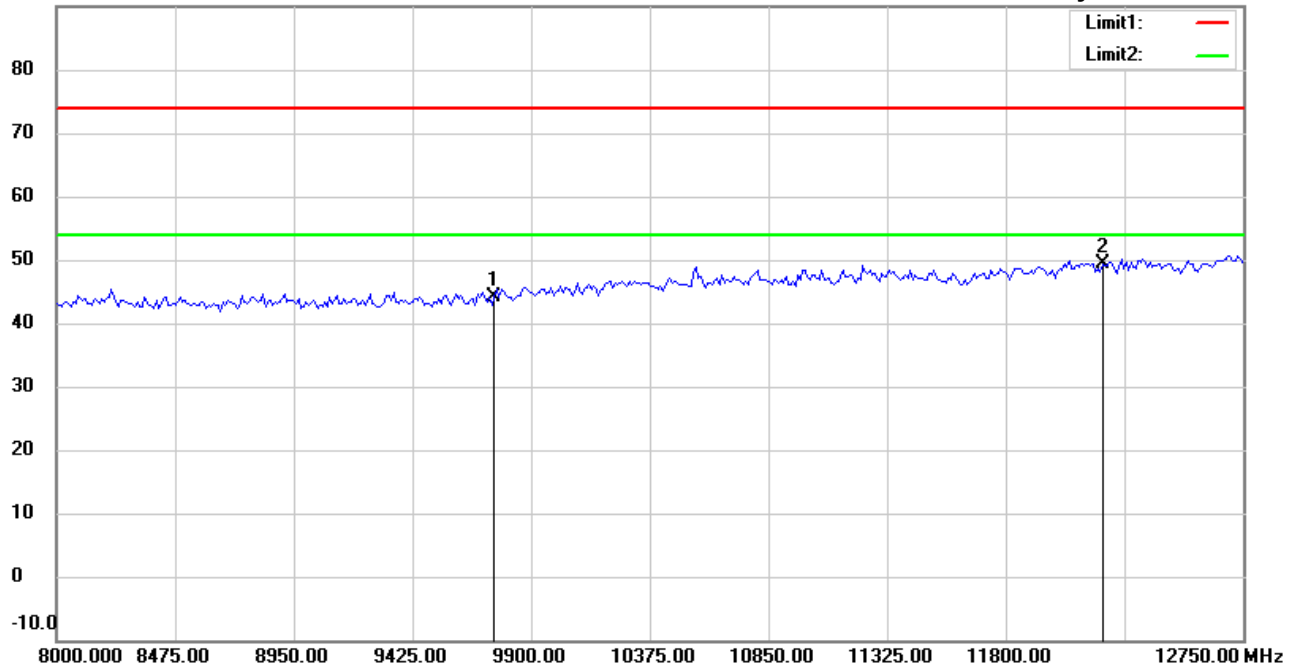
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:59:05 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	35.61	peak	8.57	44.18	74.00	150	251	-29.82	
*	12185.000	34.24	peak	15.16	49.40	74.00	150	95	-24.60	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

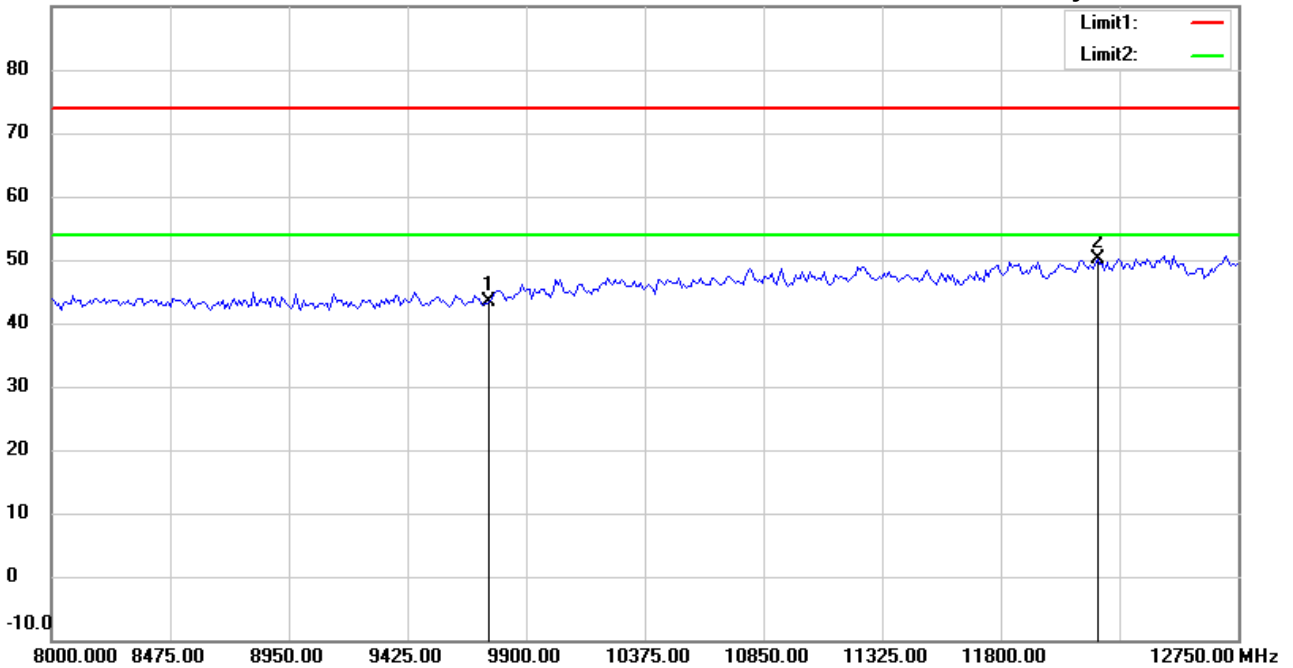
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:02:29 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	34.90	peak	8.57	43.47	74.00	150	256	-30.53	
*	12185.000	35.03	peak	15.16	50.19	74.00	150	140	-23.81	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

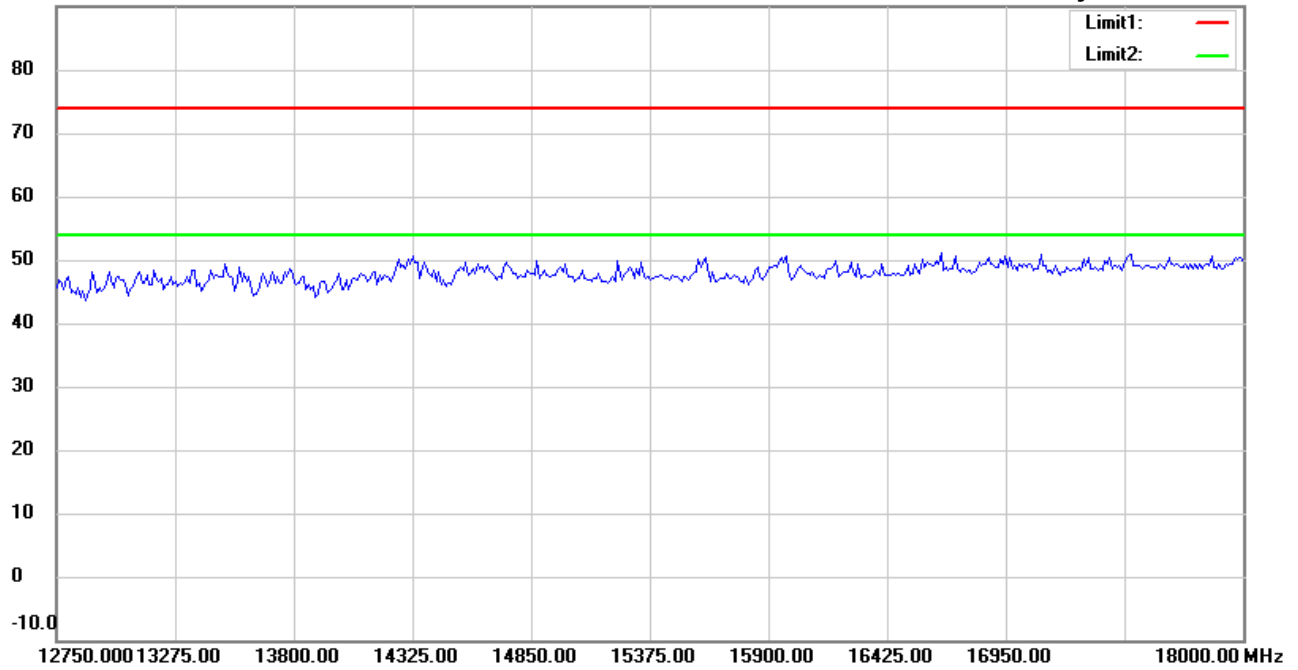
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:59:19 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#9

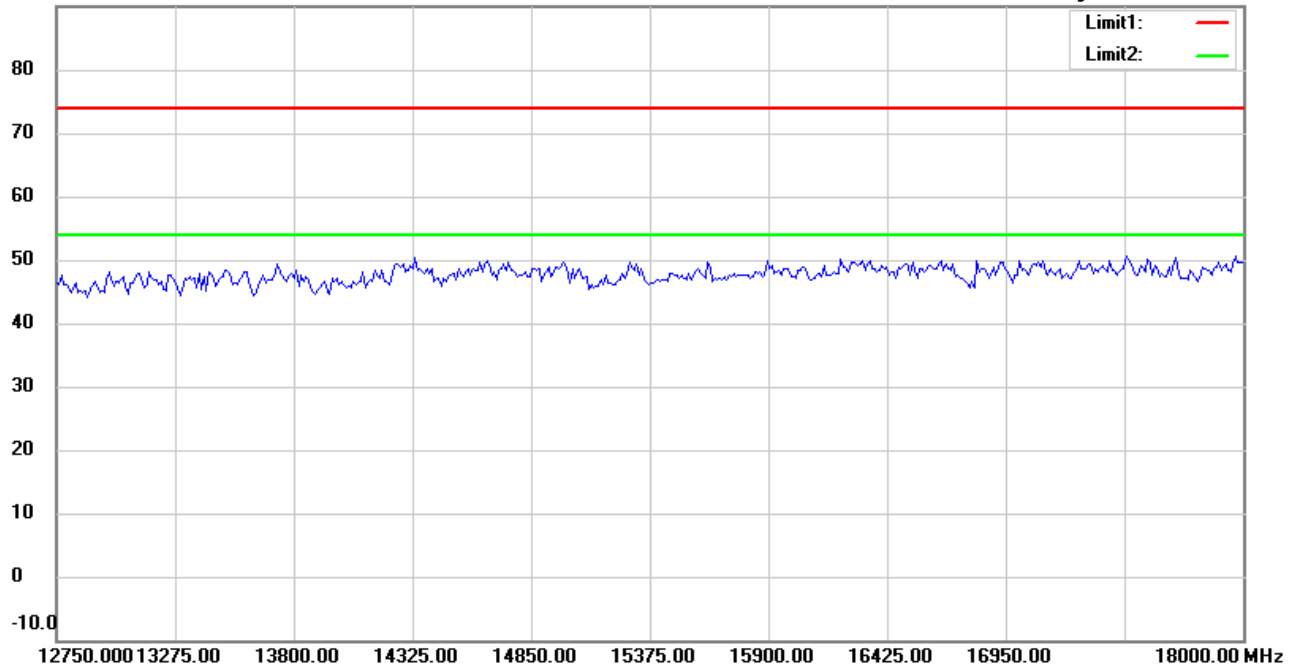
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:02:43 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
 Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

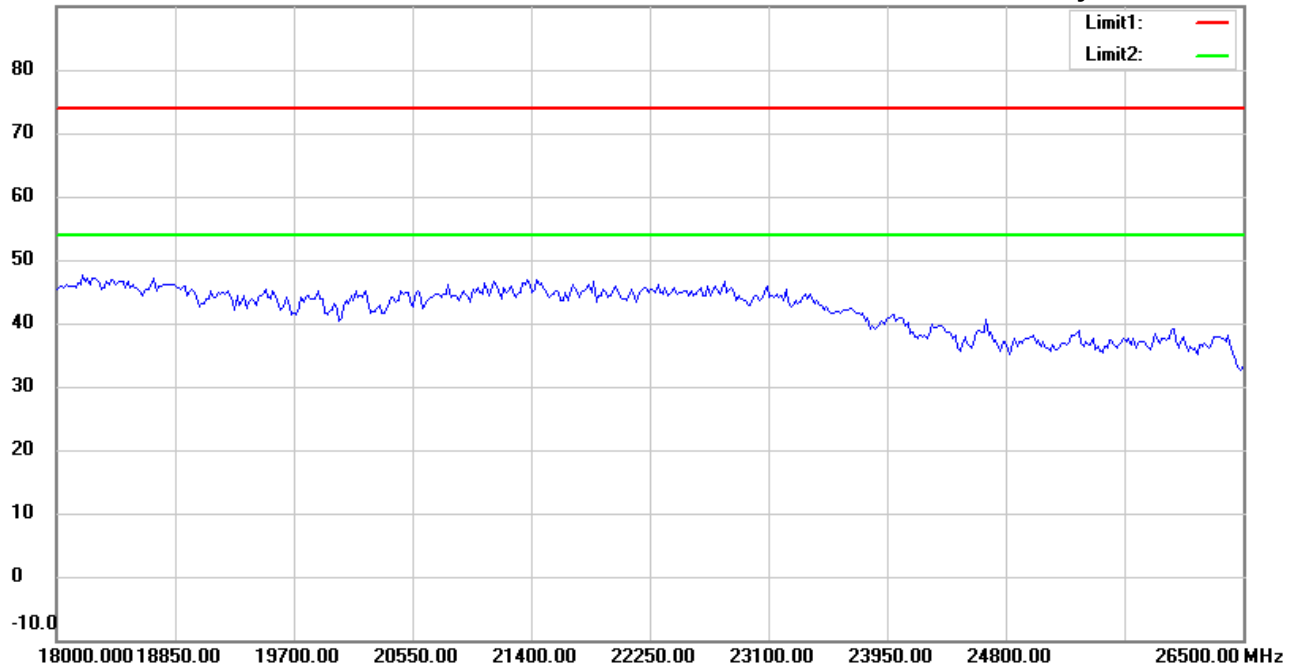
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 10:59:29 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#10

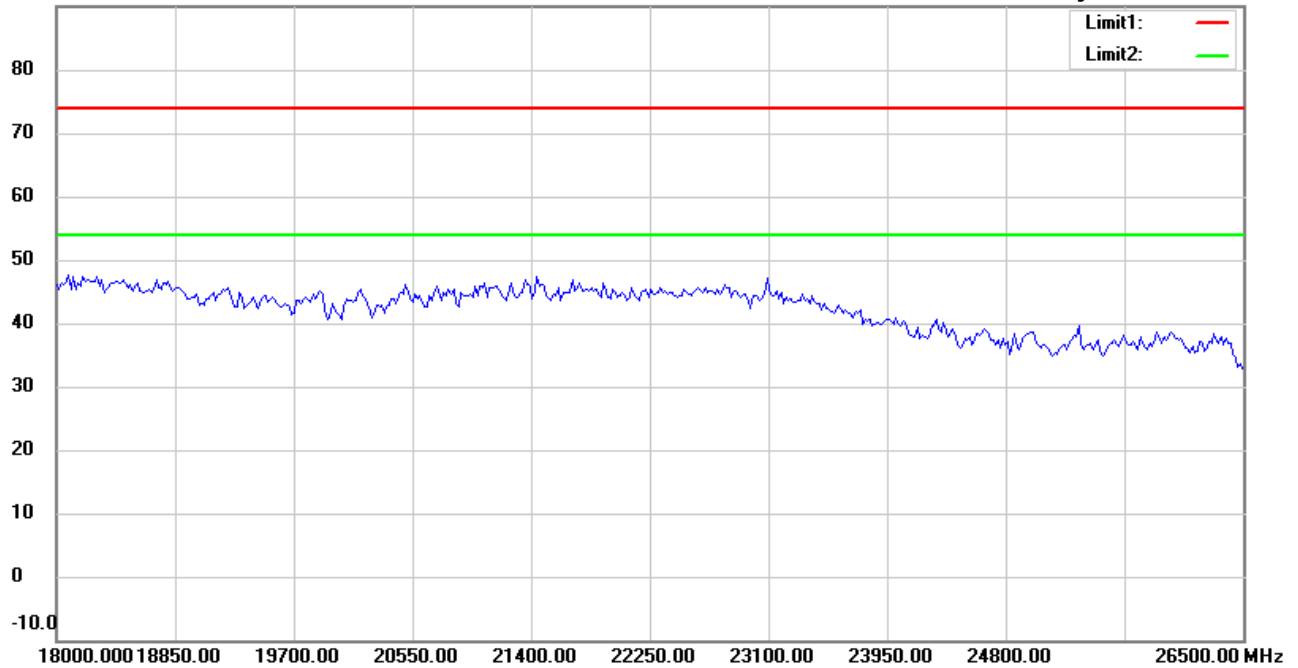
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:02:52 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#1

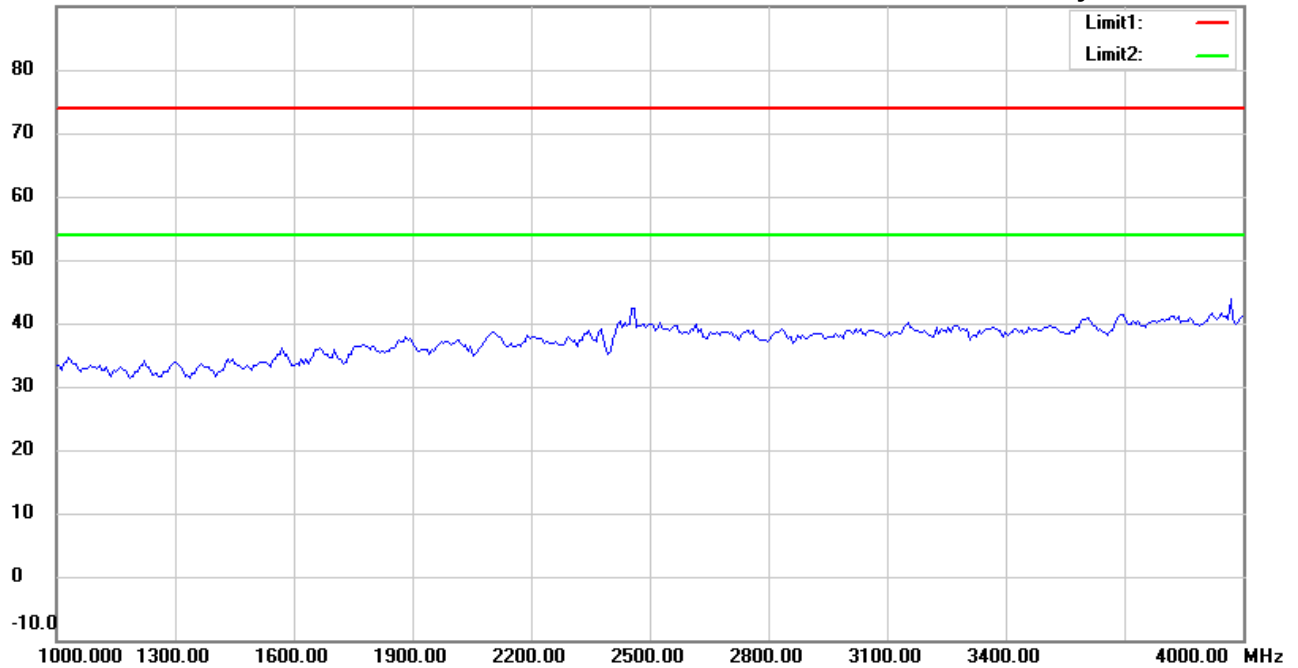
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:07:21 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Sky

File :3

Data :#6

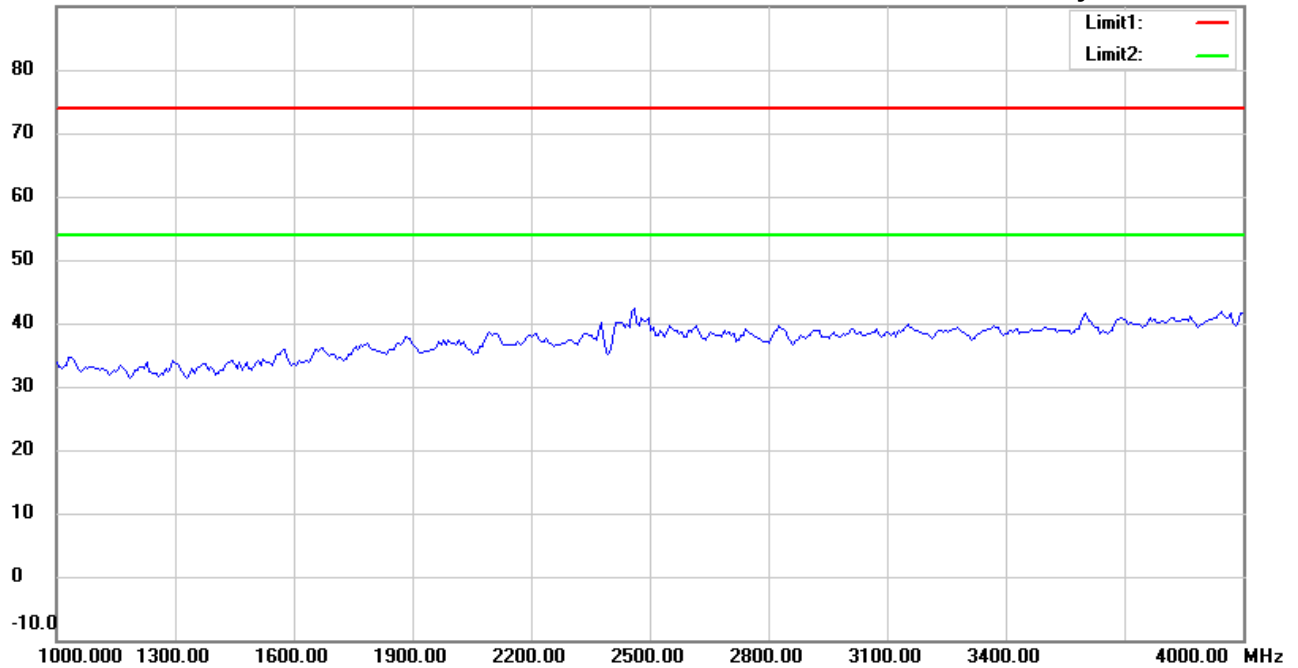
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:10:51 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#2

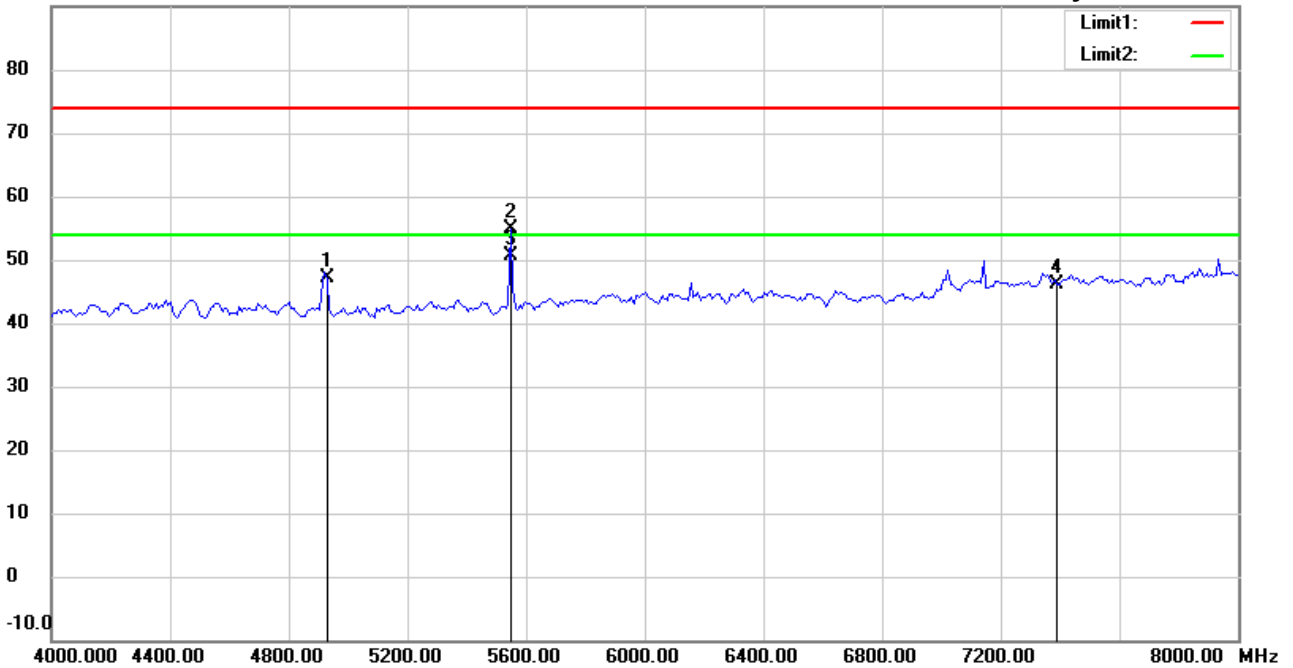
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:08:21 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4924.000	46.30	peak	0.71	47.01	74.00	150	73	-26.99	
	5547.094	52.63	peak	2.33	54.96	74.00	150	216	-19.04	
*	5547.094	48.19	AVG	2.33	50.52	54.00	150	216	-3.48	
	7386.000	40.09	peak	5.99	46.08	74.00	150	225	-27.92	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

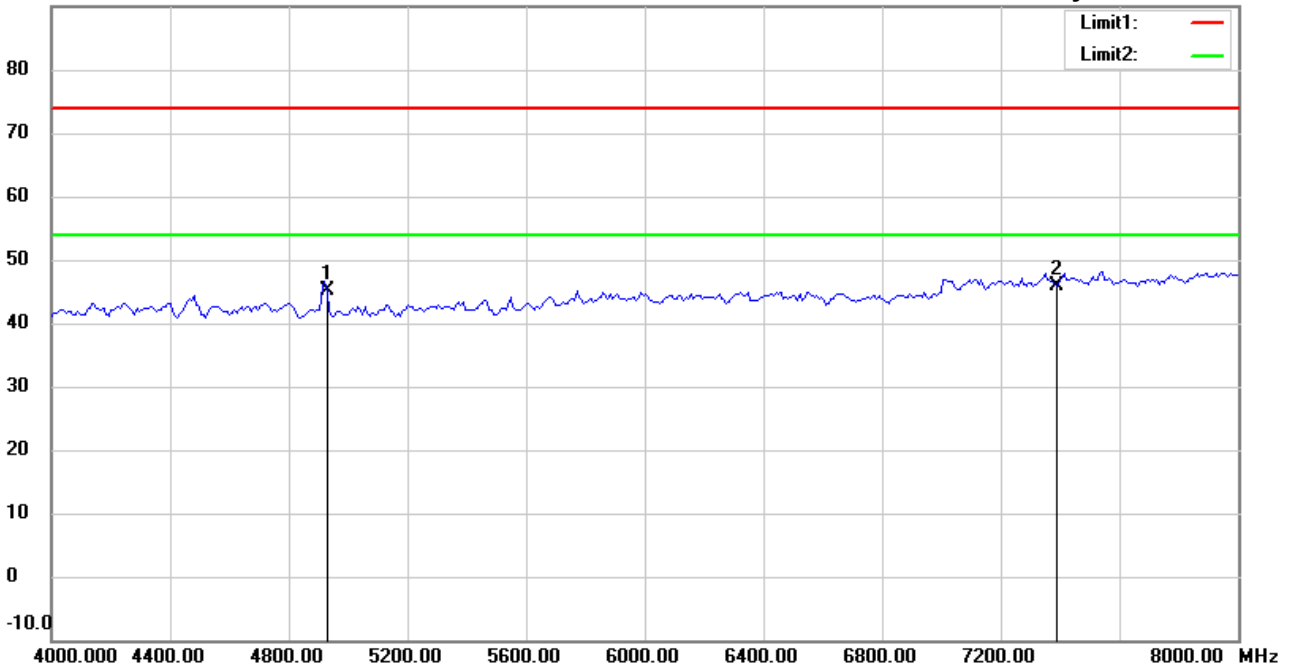
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:11:52 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4924.000	44.43	peak	0.71	45.14	74.00	150	155	-28.86	
*	7386.000	39.94	peak	5.99	45.93	74.00	150	270	-28.07	

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



Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

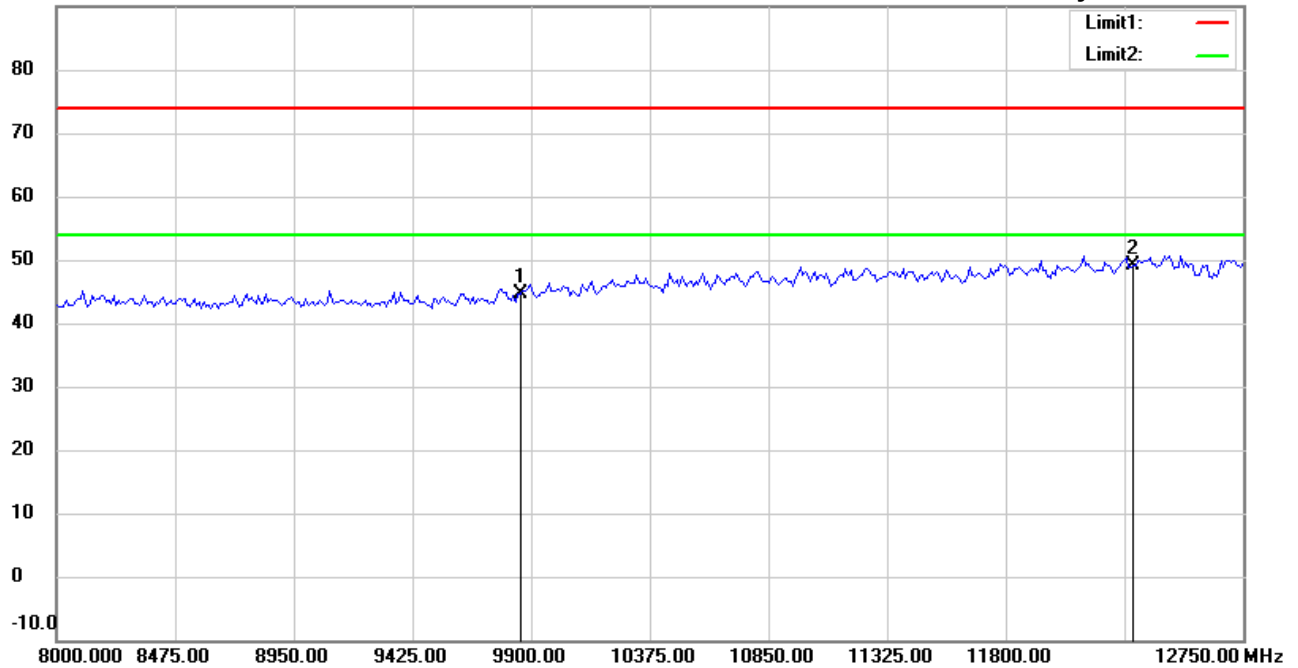
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:09:28 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	35.32	peak	9.27	44.59	74.00	150	185	-29.41	
*	12310.000	34.40	peak	14.62	49.02	74.00	150	260	-24.98	



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

Operator: Sky

File :3

Data :#8

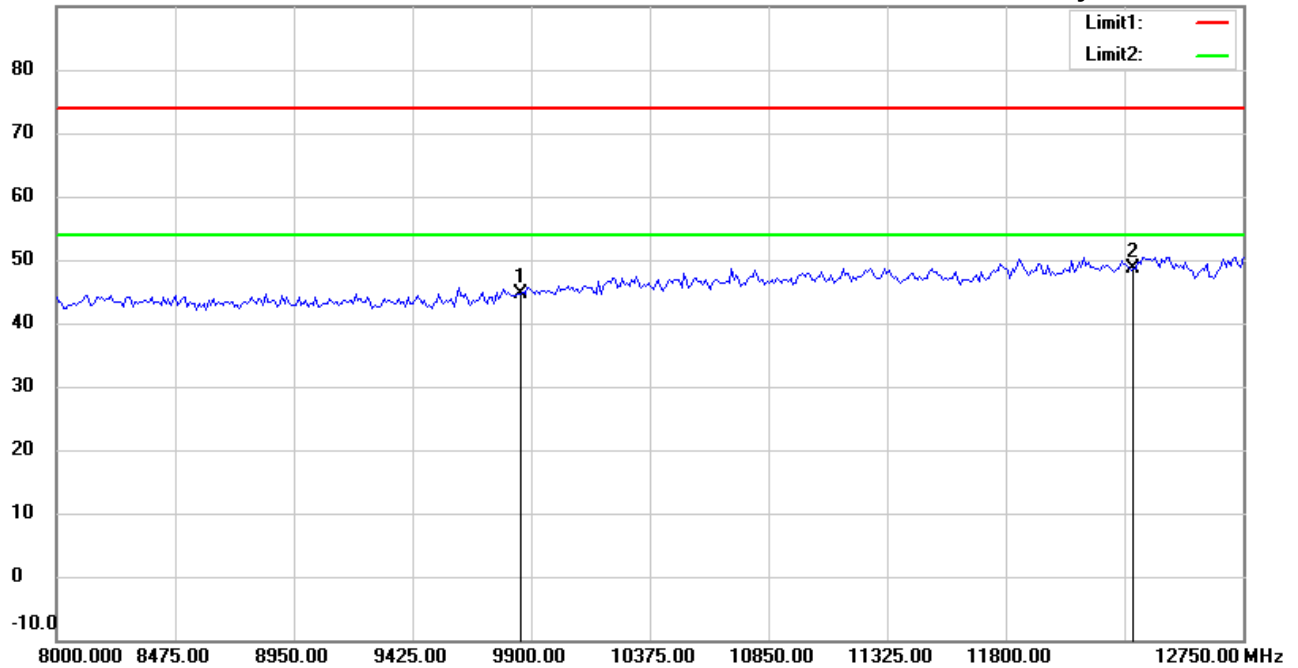
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:12:51 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	35.33	peak	9.27	44.60	74.00	150	138	-29.40	
*	12310.000	33.94	peak	14.62	48.56	74.00	150	260	-25.44	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
 Tel:+886-2-6606-8877
 Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

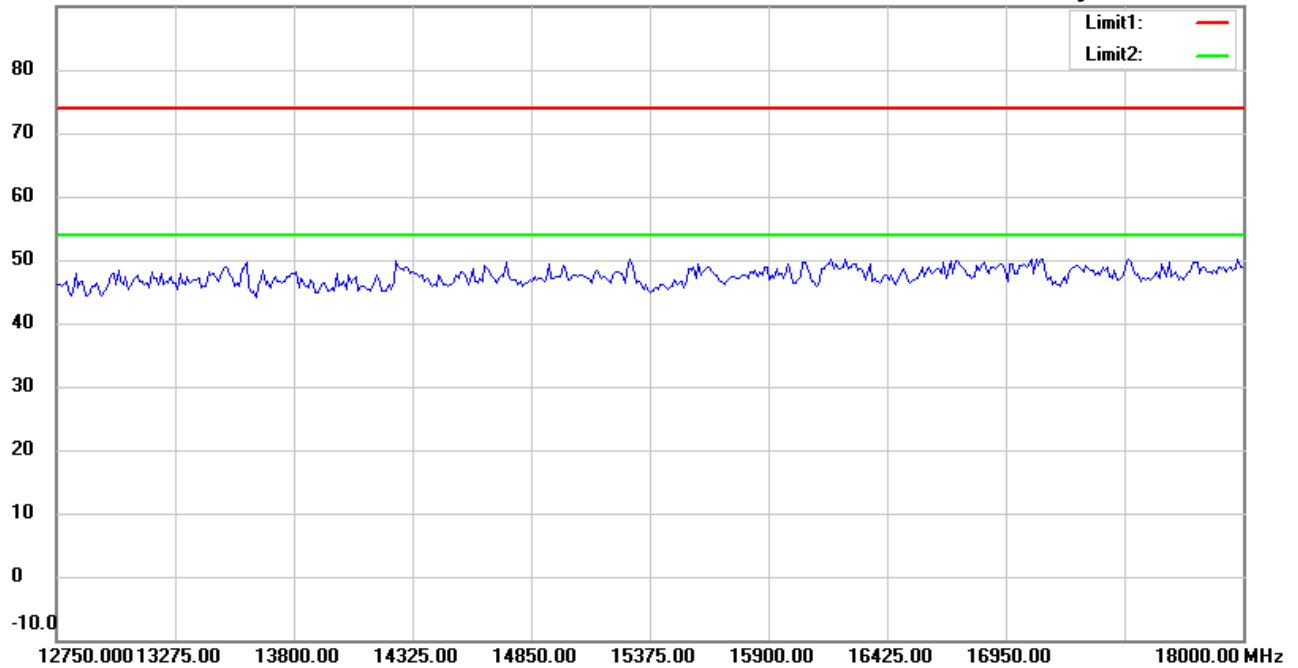
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:09:42 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#9

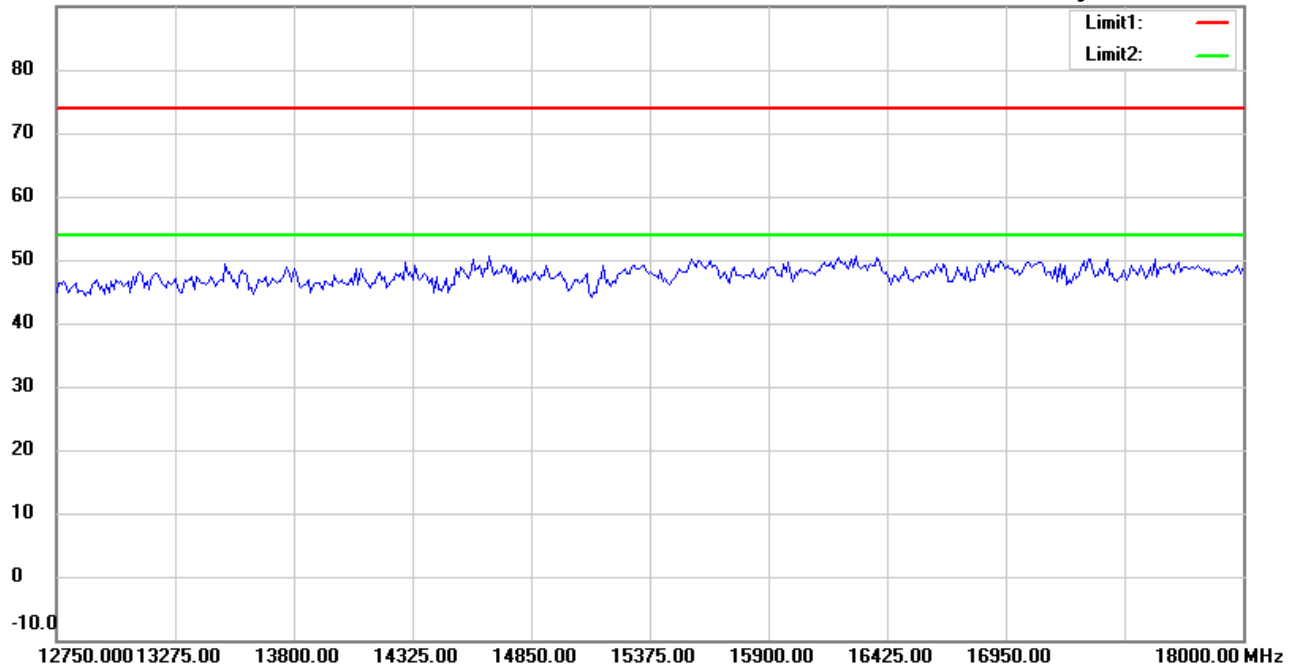
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:13:05 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Sky

File :3

Data :#5

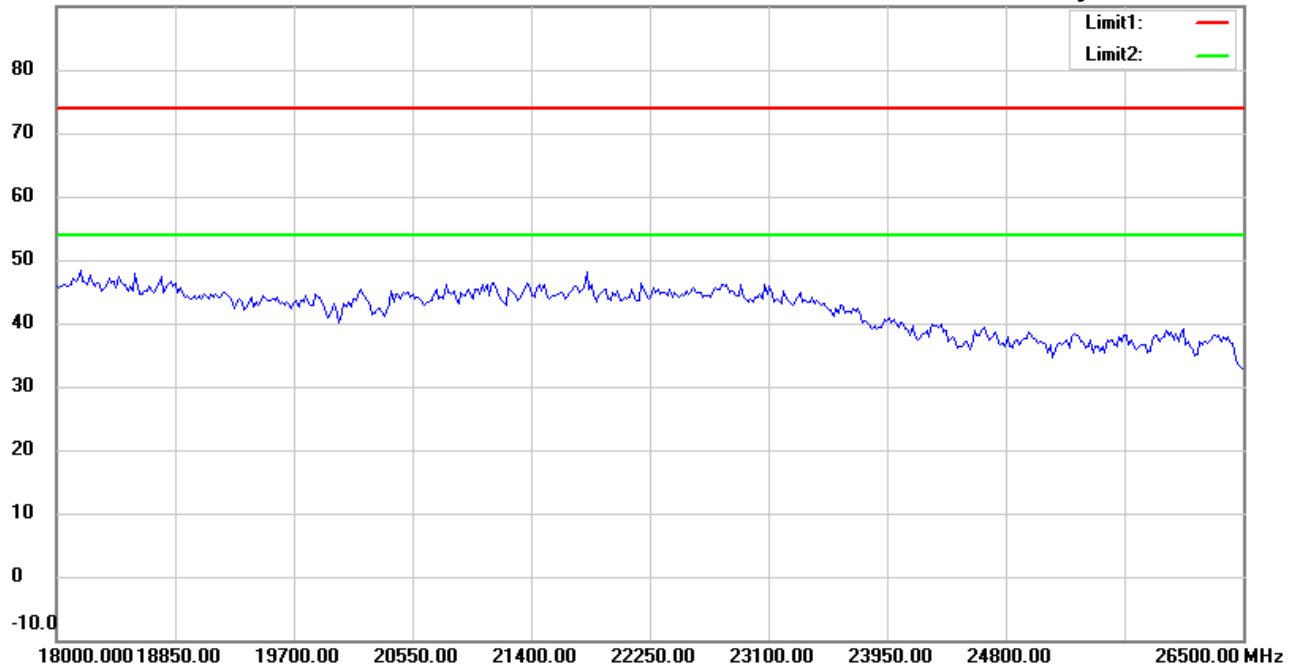
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:09:51 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Sky

File :3

Data :#10

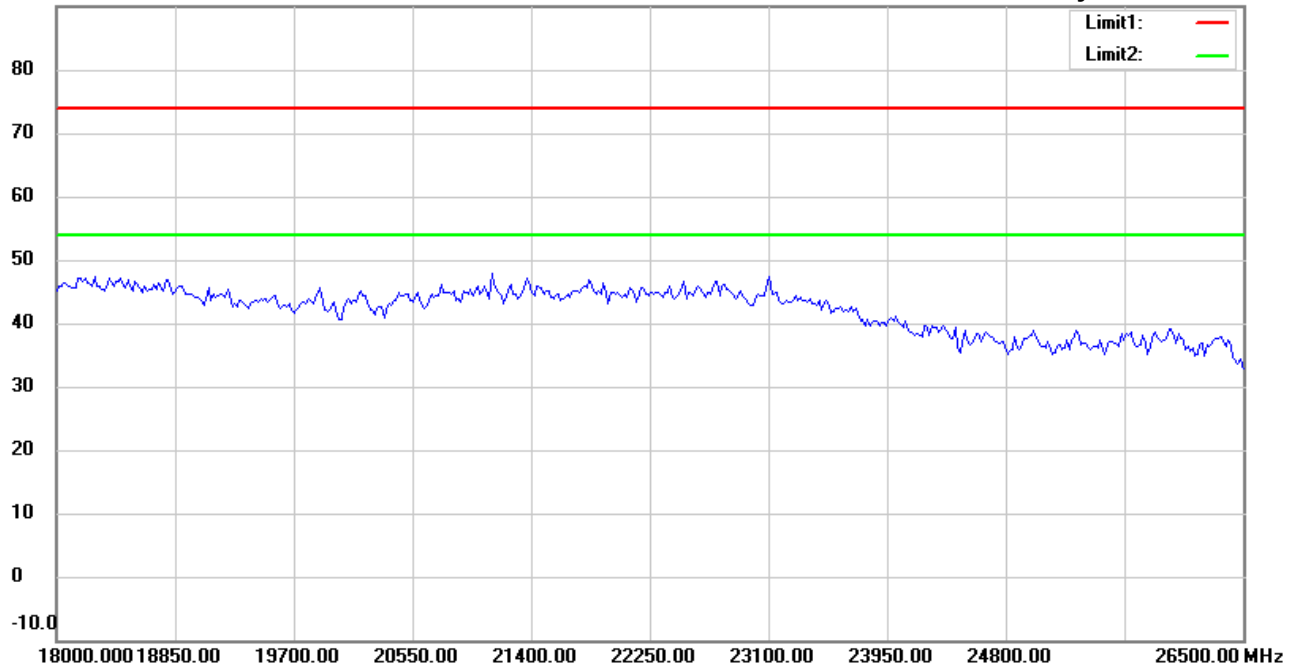
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:13:15 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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: Sky

File :3

Data :#1

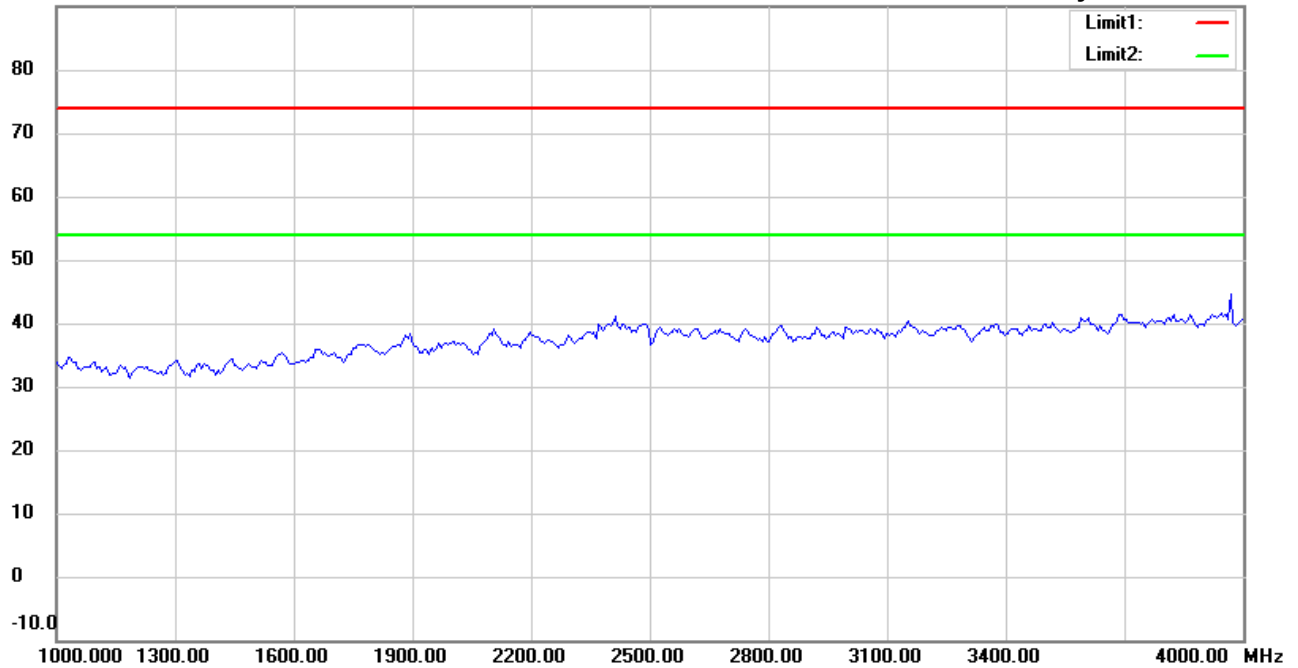
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:23:28 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

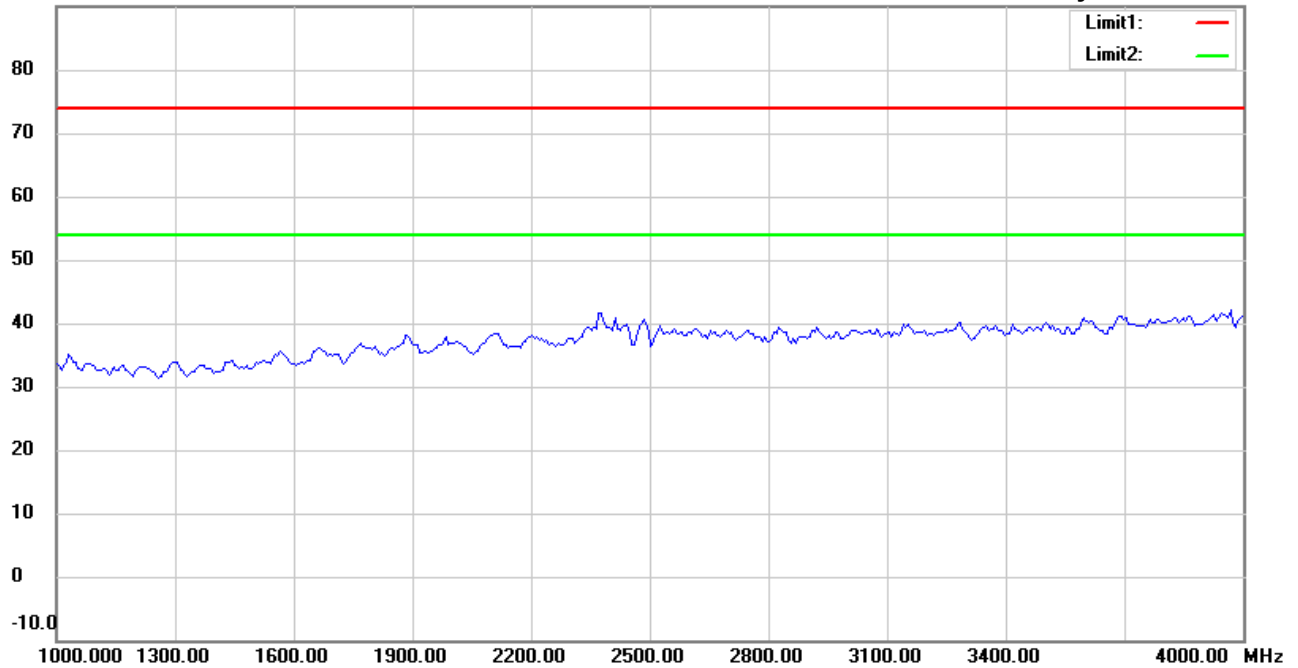
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:26:59 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH1

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#2

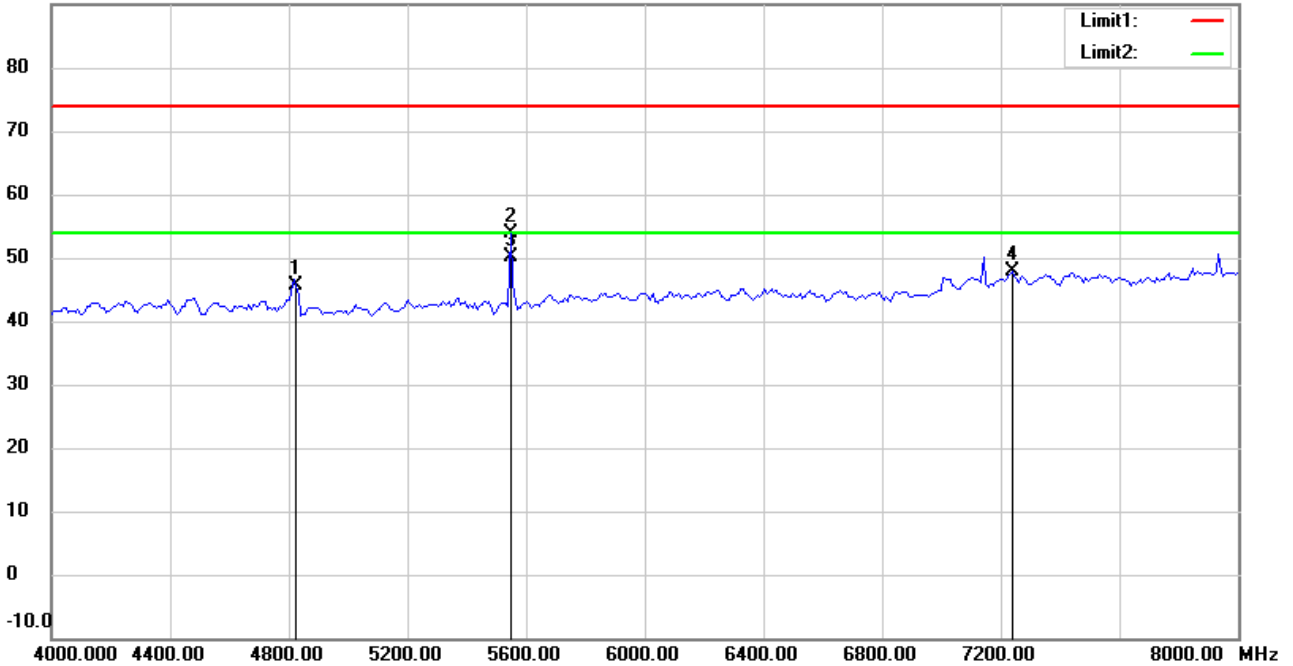
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:24:29 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4824.000	44.95	peak	0.73	45.68	74.00	150	273	-28.32	
	5547.094	51.61	peak	2.33	53.94	74.00	150	255	-20.06	
*	5547.094	47.89	AVG	2.33	50.22	54.00	150	255	-3.78	
	7236.000	42.50	peak	5.42	47.92	74.00	150	160	-26.08	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

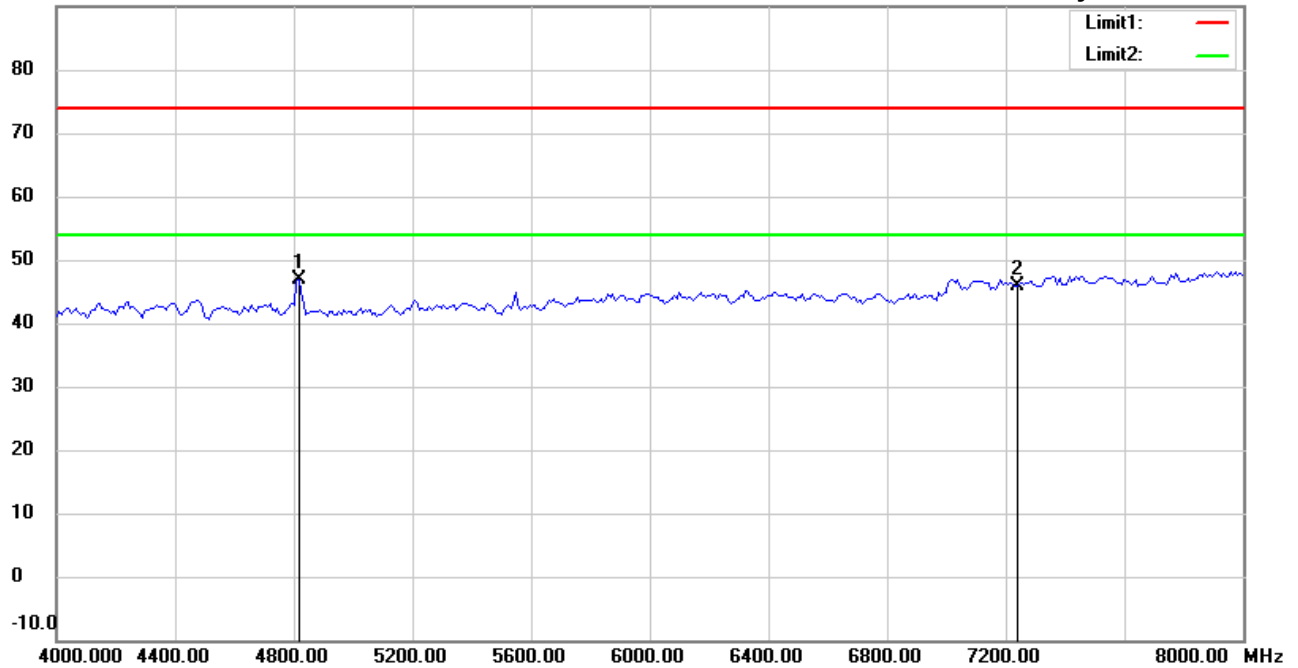
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:27:59 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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
*	4817.635	46.04	peak	0.74	46.78	74.00	150	160	-27.22	
	7236.000	40.45	peak	5.42	45.87	74.00	150	245	-28.13	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

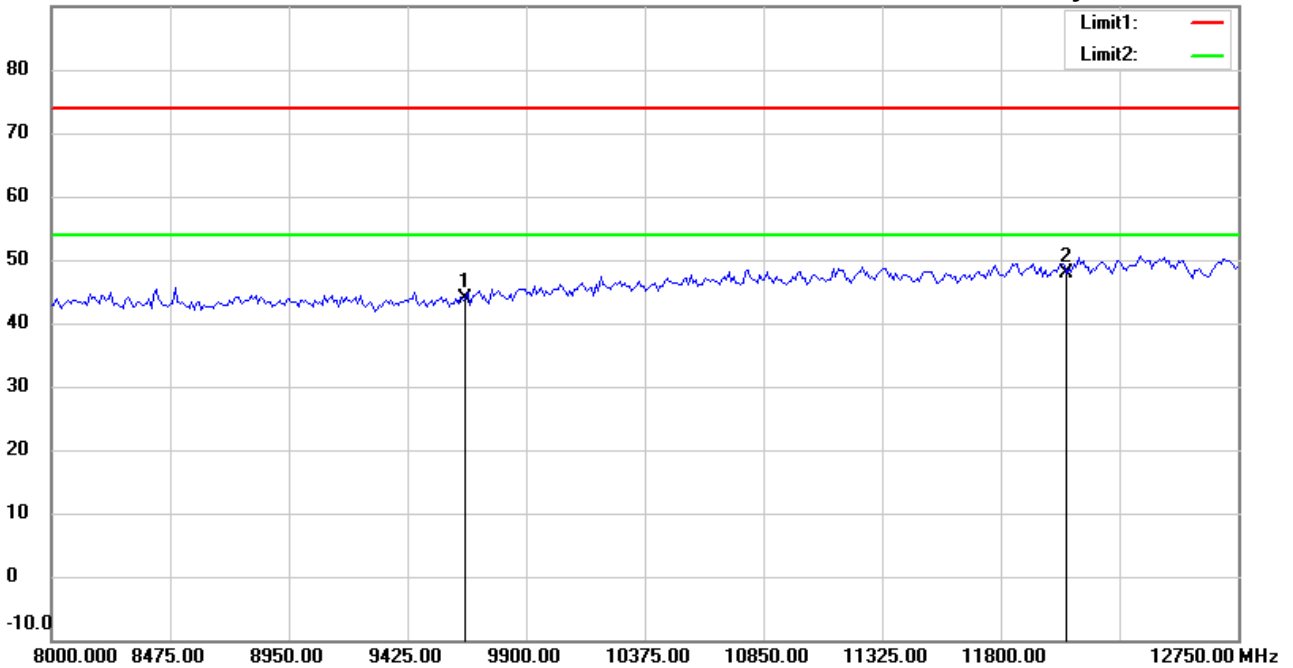
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:25:35 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.57	peak	8.28	43.85	74.00	150	70	-30.15	
*	12060.000	33.62	peak	14.17	47.79	74.00	150	195	-26.21	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

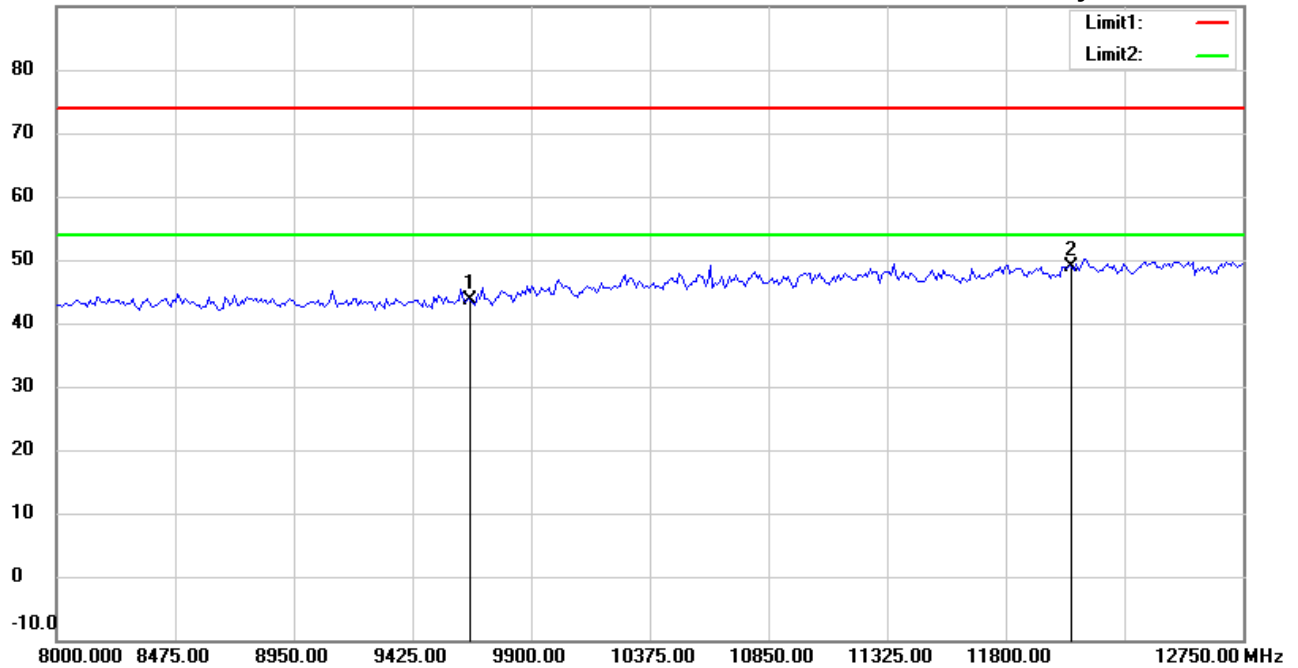
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:28:59 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.24	peak	8.28	43.52	74.00	150	155	-30.48	
*	12060.000	34.60	peak	14.17	48.77	74.00	150	239	-25.23	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

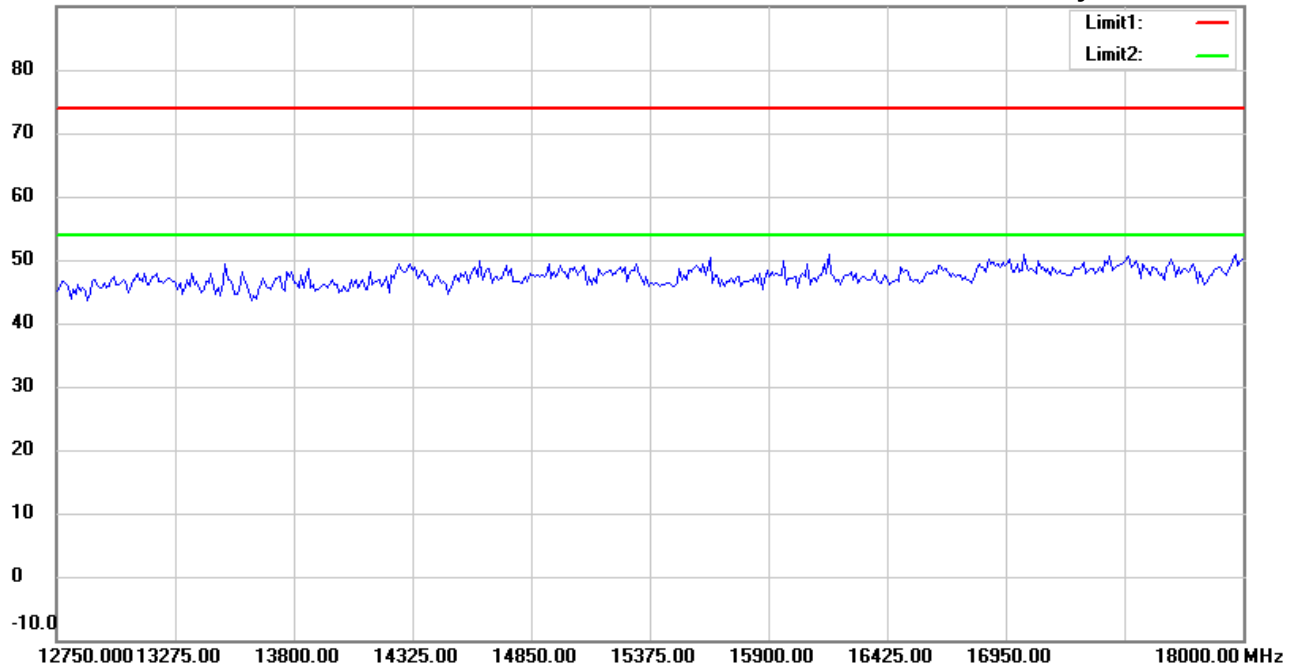
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:25:49 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Sky

File :3

Data :#9

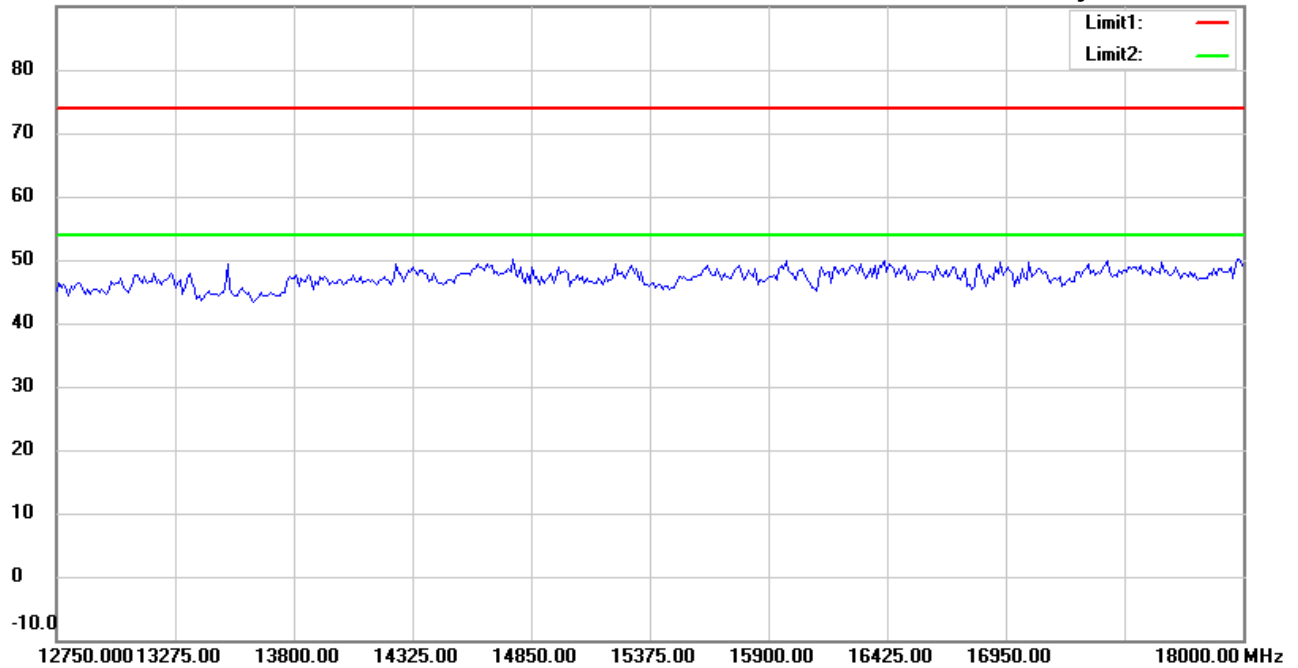
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:29:13 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Sky

File :3

Data :#5

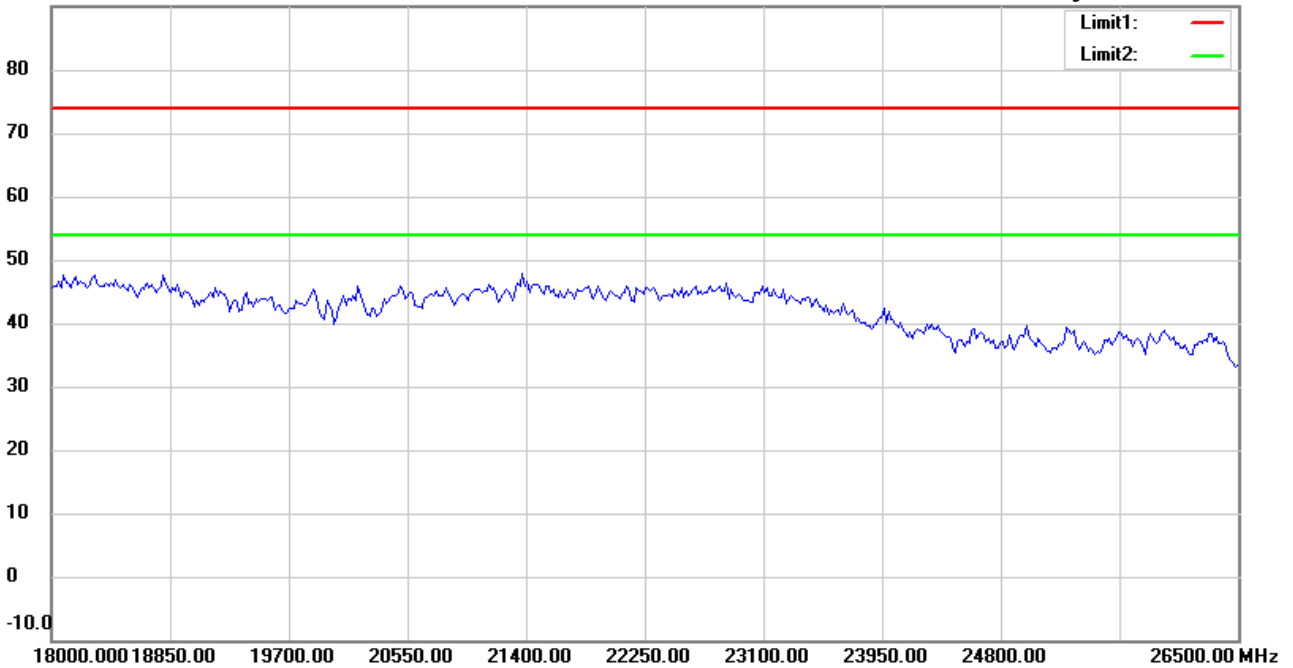
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:25:59 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Sky

File :3

Data :#10

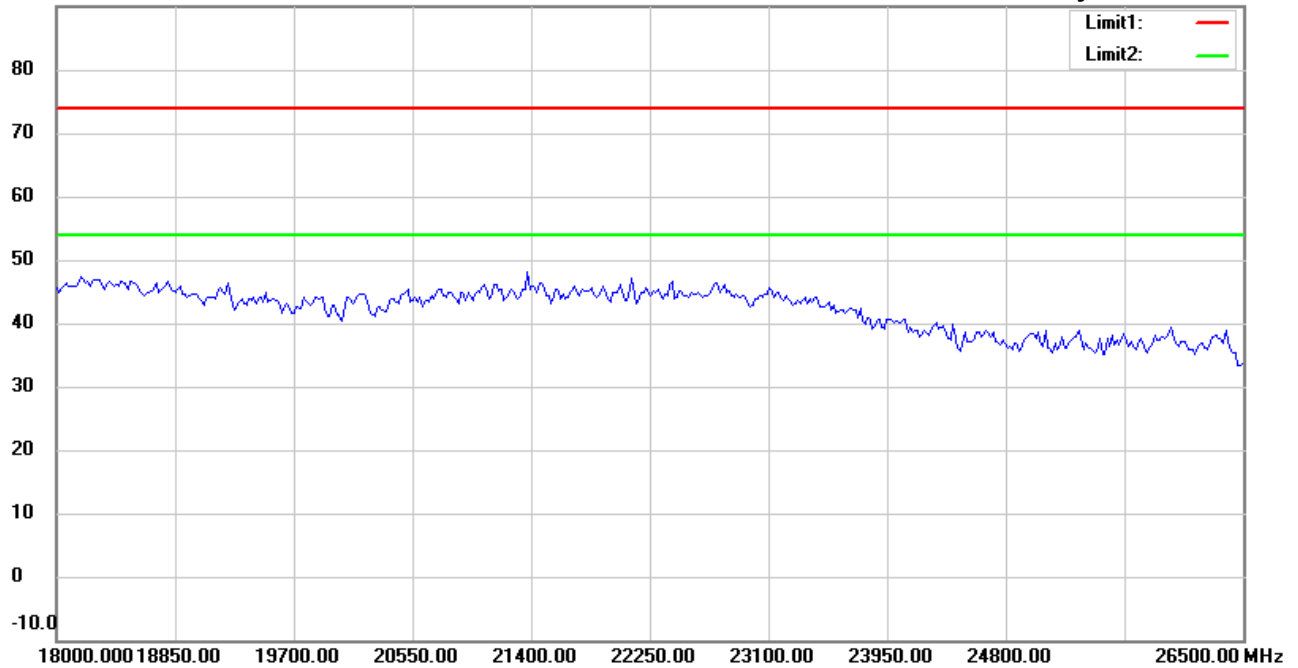
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:29:23 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Sky

File :3

Data :#1

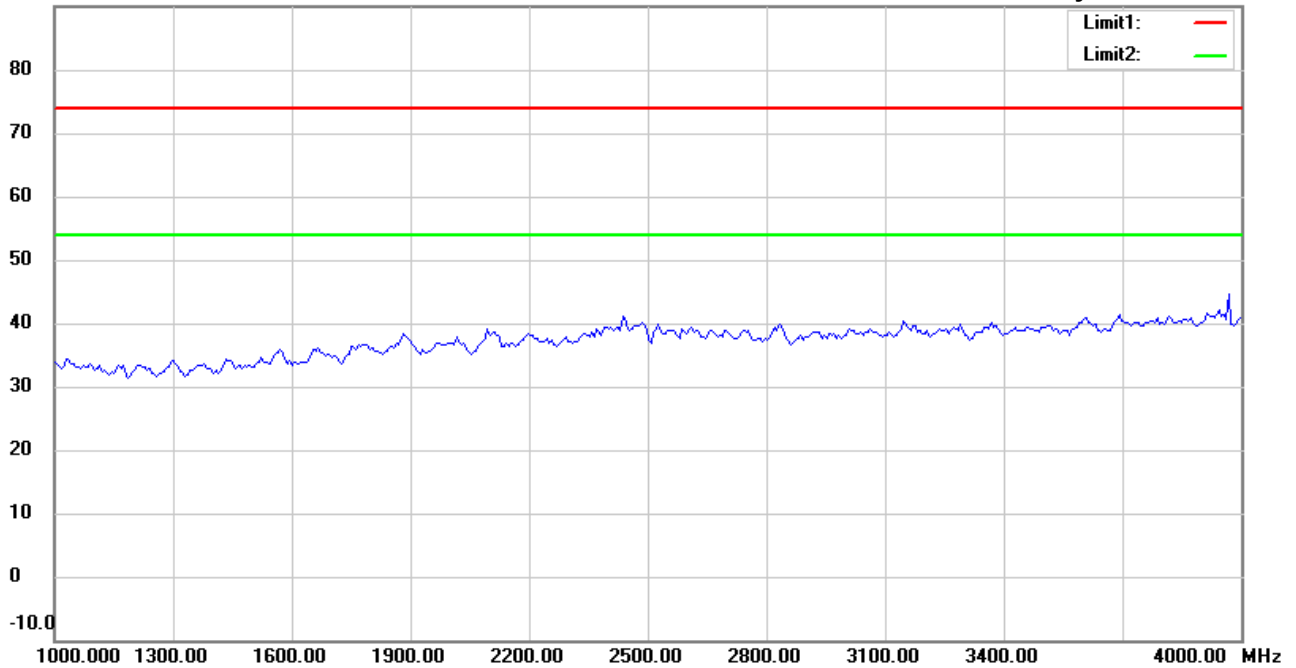
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:32:13 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#6

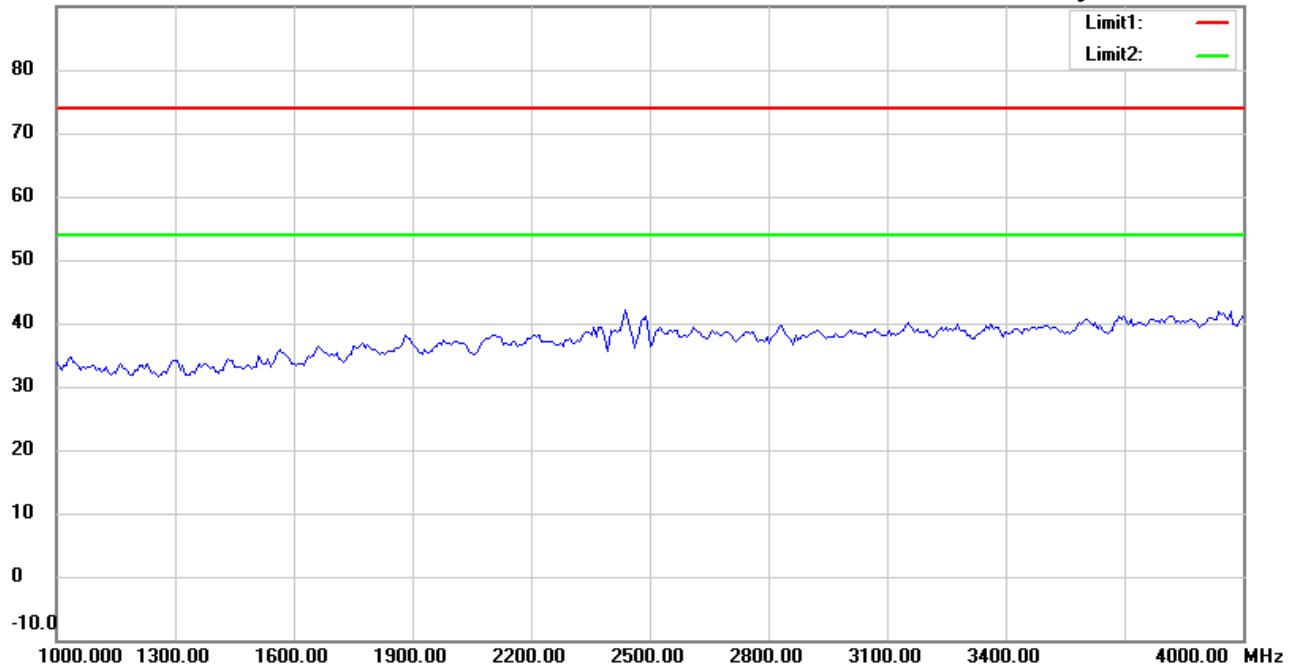
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:35:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: *Vertical*

Power : 120 Va.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: Sky

File :3

Data :#2

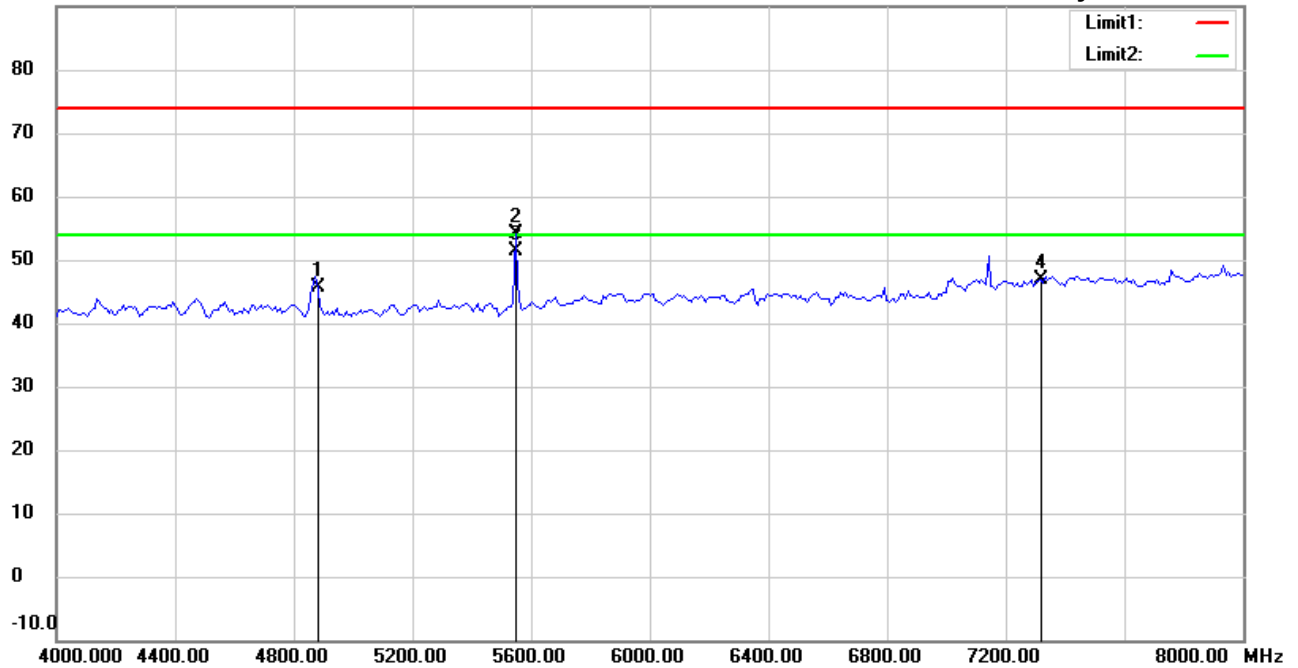
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:33:14 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4874.000	44.96	peak	0.69	45.65	74.00	150	30	-28.35	
	5547.094	51.83	peak	2.33	54.16	74.00	150	232	-19.84	
*	5547.094	48.96	AVG	2.33	51.29	54.00	150	232	-2.71	
	7311.000	41.24	peak	5.57	46.81	74.00	150	170	-27.19	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

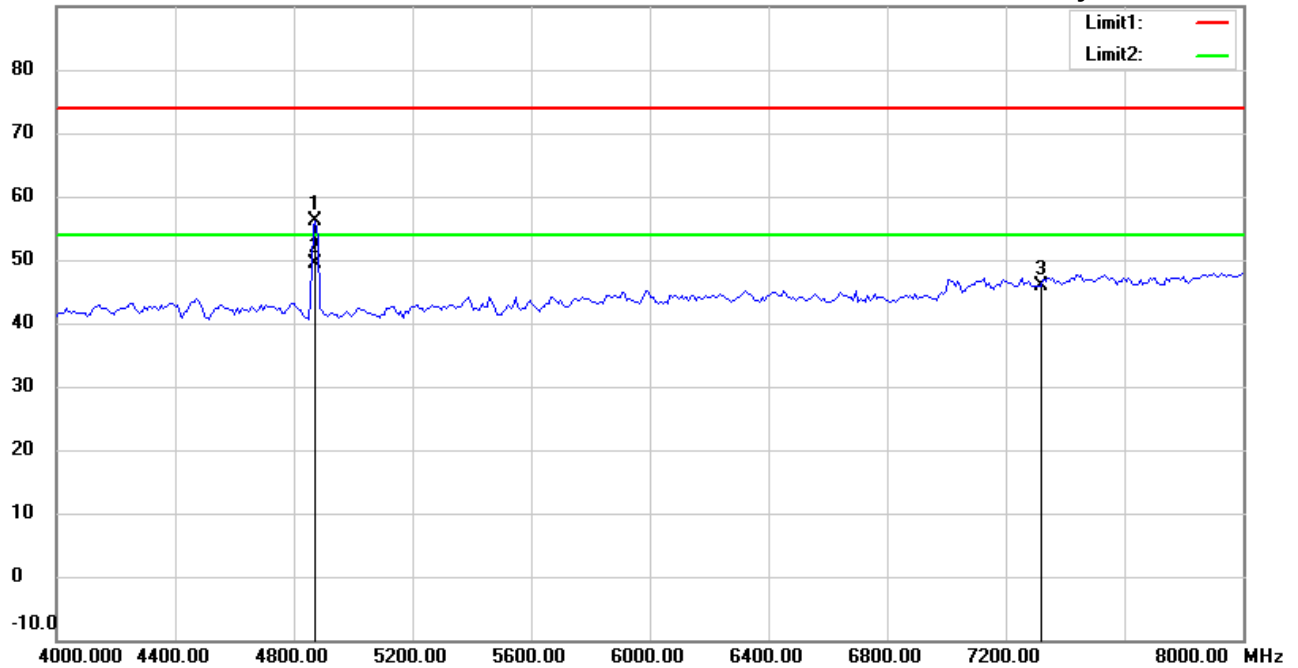
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:36:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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
	4872.766	55.45	peak	0.69	56.14	74.00	150	185	-17.86	
*	4872.766	48.65	AVG	0.69	49.34	54.00	150	185	-4.66	
	7311.000	40.42	peak	5.57	45.99	74.00	150	270	-28.01	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

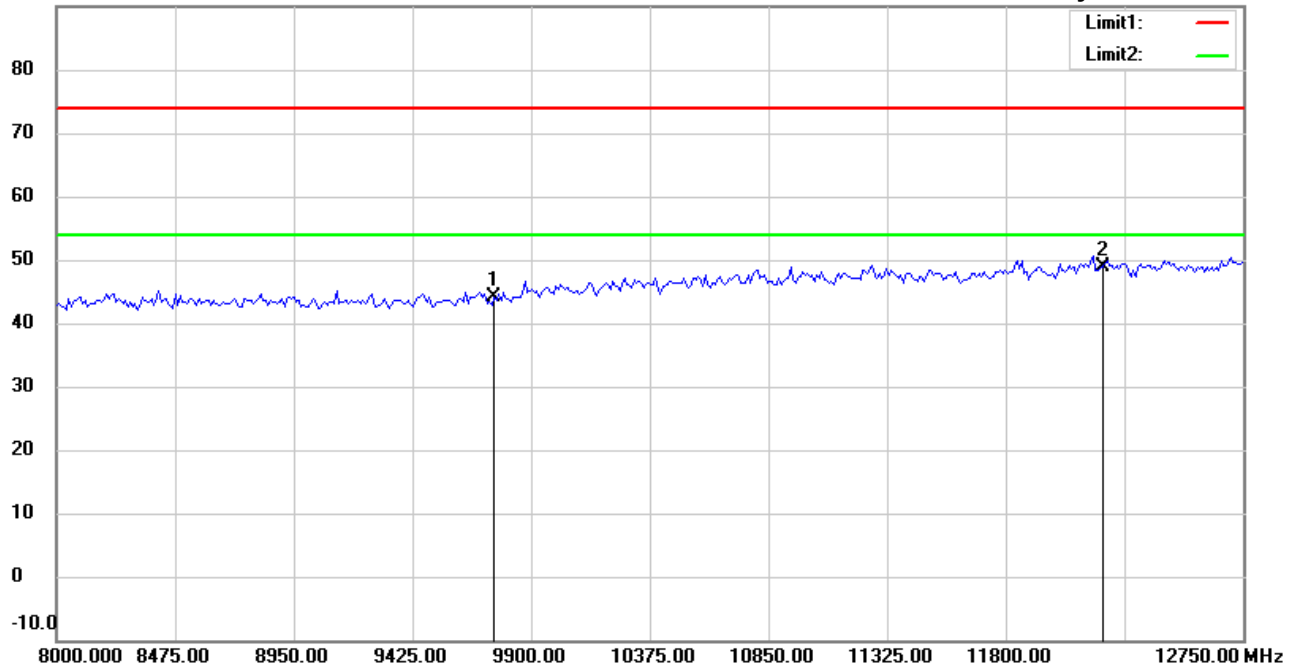
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:34:20 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.65	peak	8.57	44.22	74.00	150	244	-29.78	
*	12185.000	33.82	peak	15.16	48.98	74.00	150	160	-25.02	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

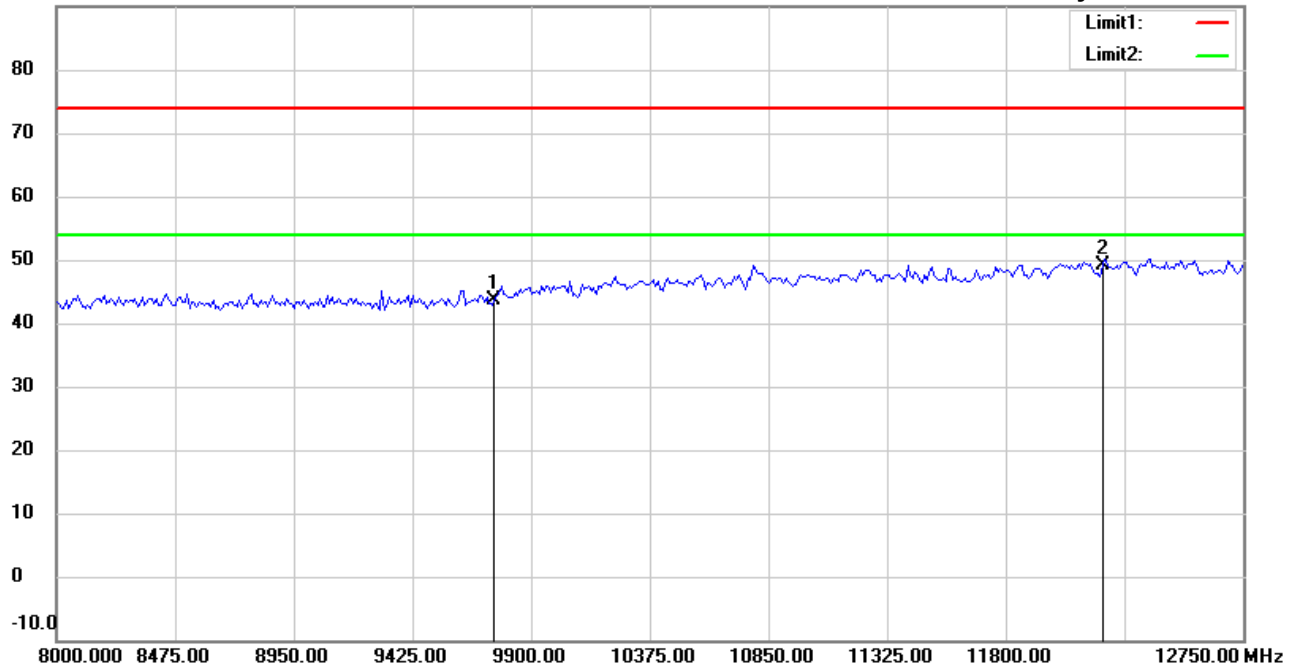
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:37:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.00	peak	8.57	43.57	74.00	150	275	-30.43	
*	12185.000	33.86	peak	15.16	49.02	74.00	150	230	-24.98	

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



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

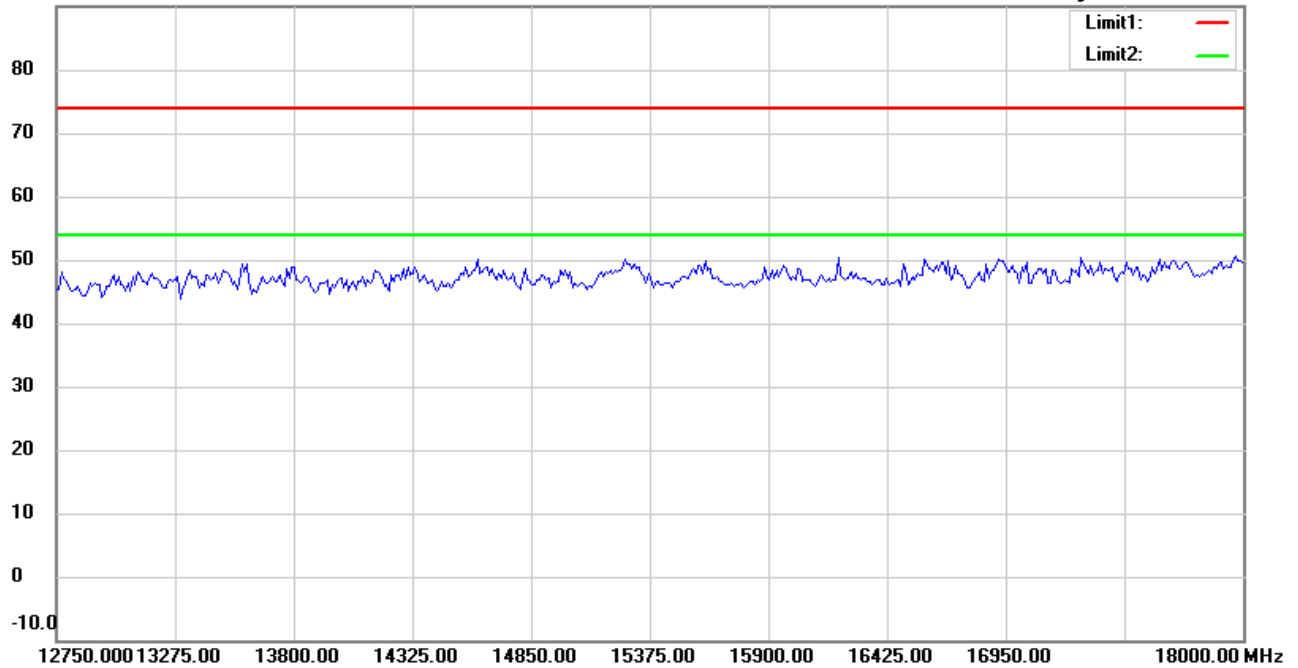
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:34:34 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#9

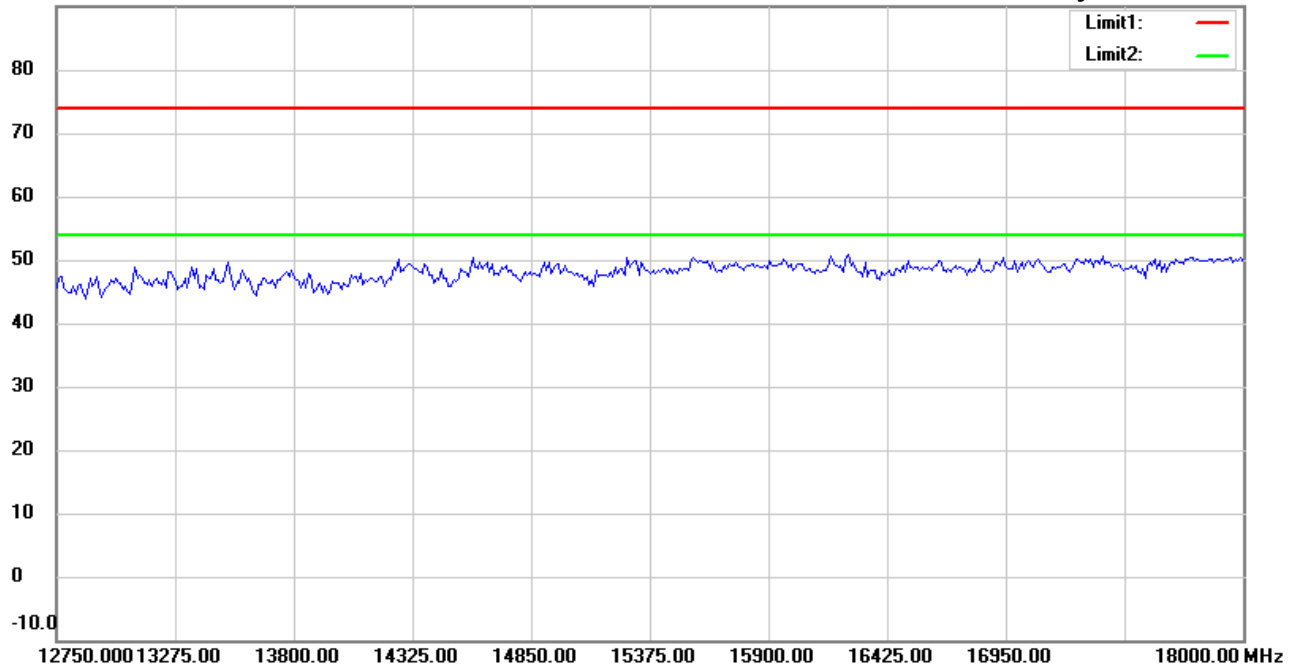
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:37:58 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Sky

File :3

Data :#5

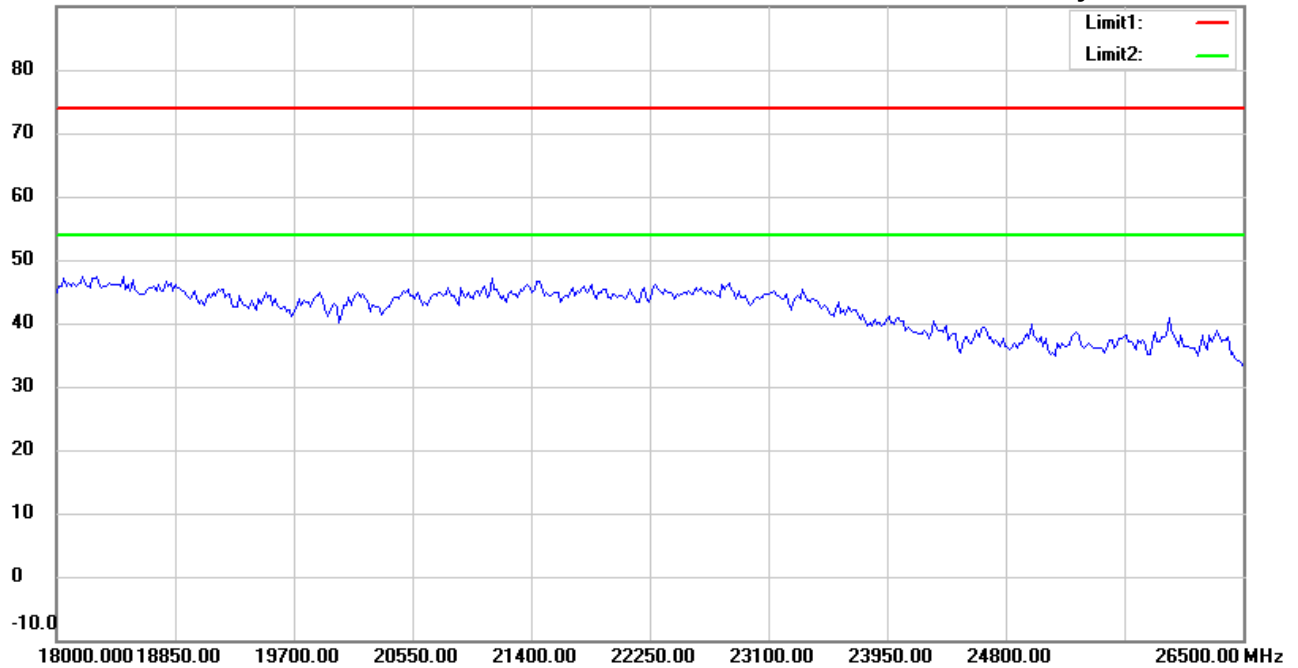
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:34:44 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.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: Sky

File :3

Data :#10

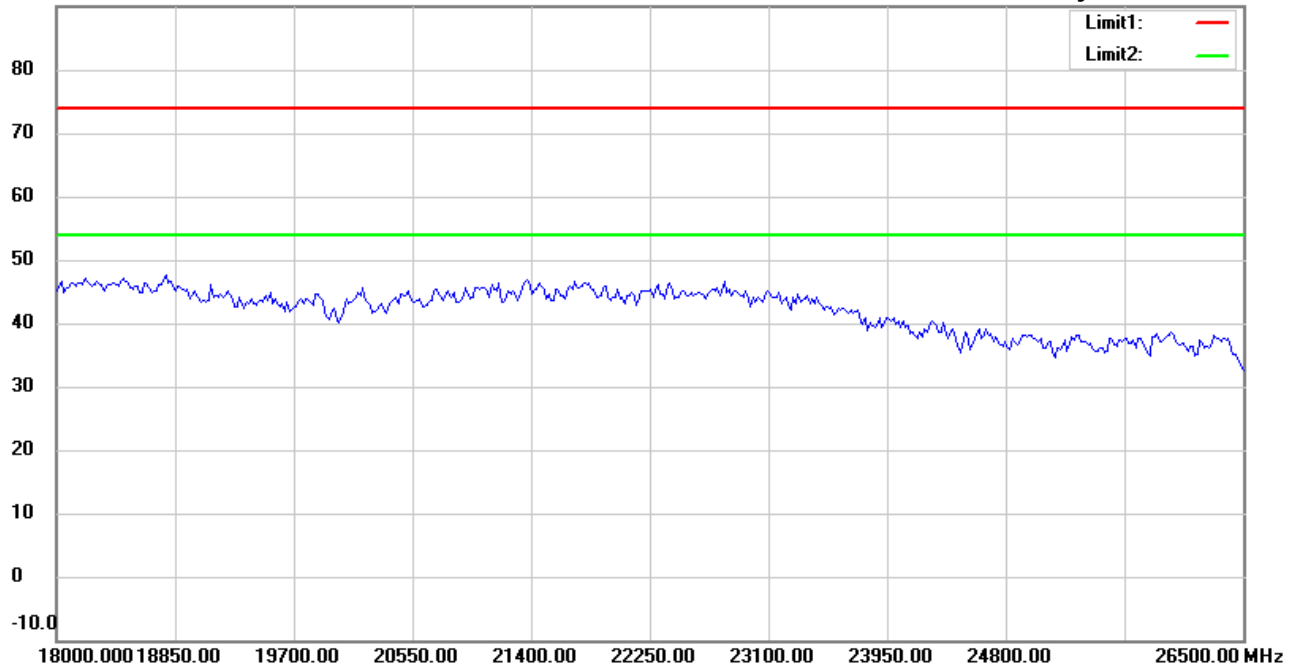
Date: 1/18/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 11:38:07 PM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH6

Note :

Polarization: **Vertical**

Power : 120 Va.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

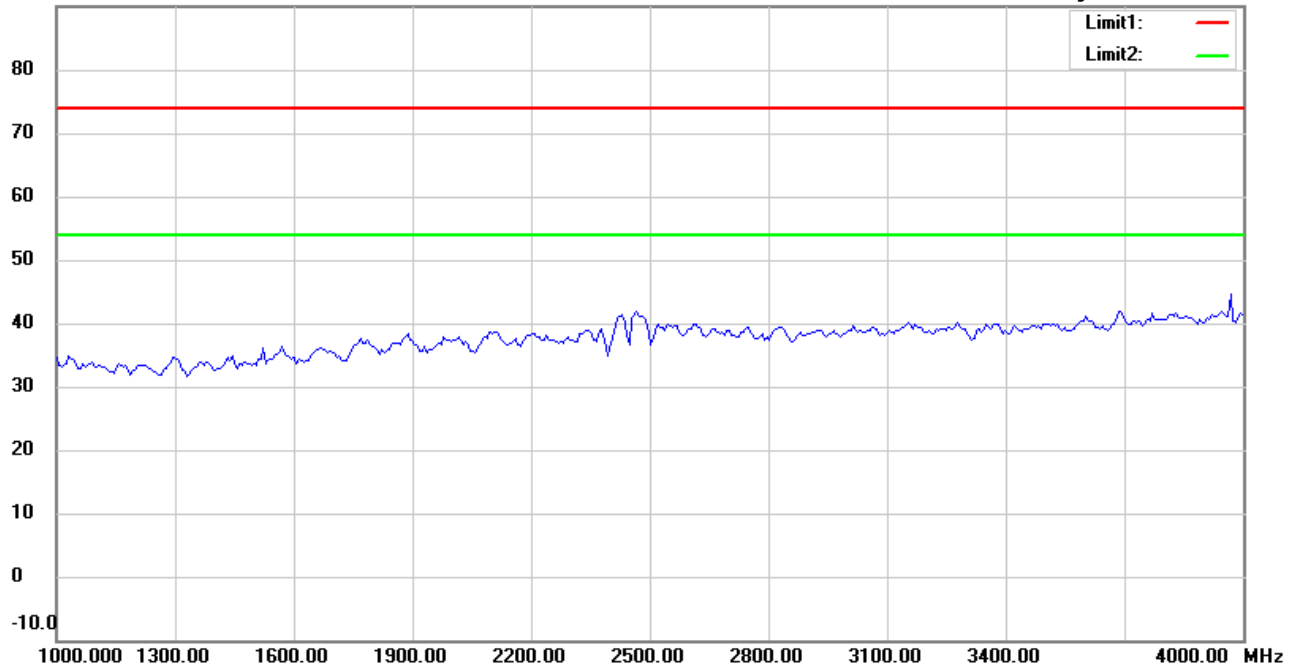
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:06:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Allen

File :3

Data :#6

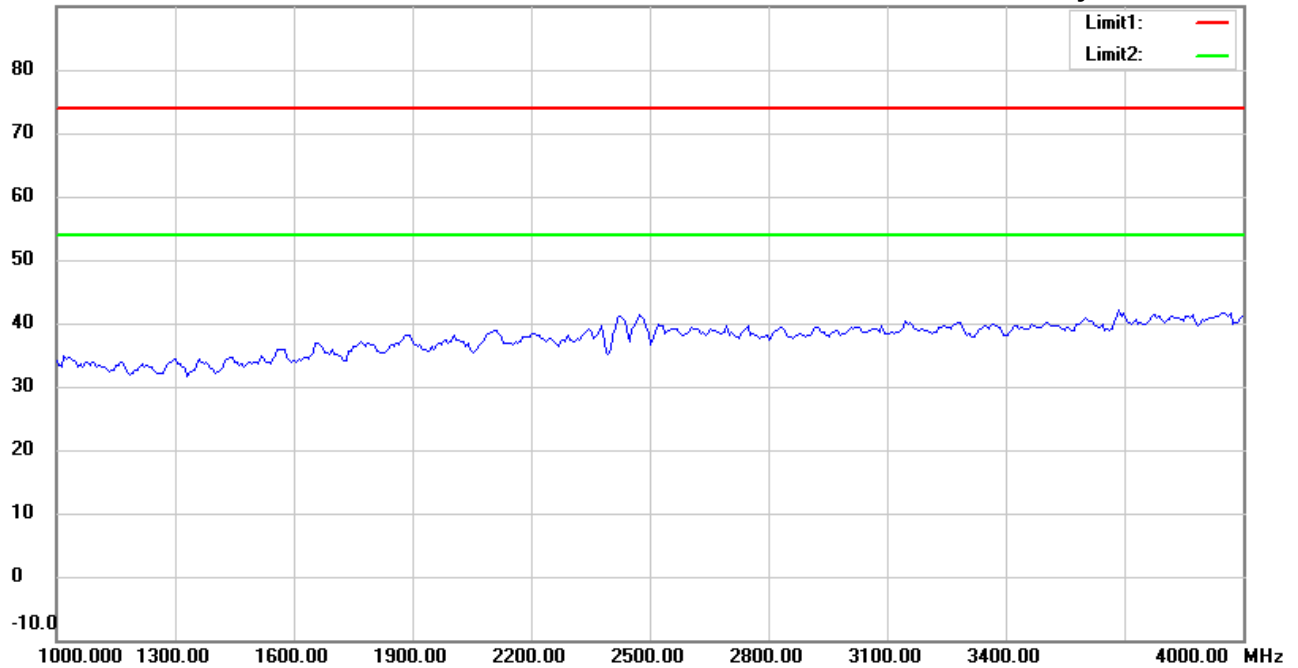
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:10:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

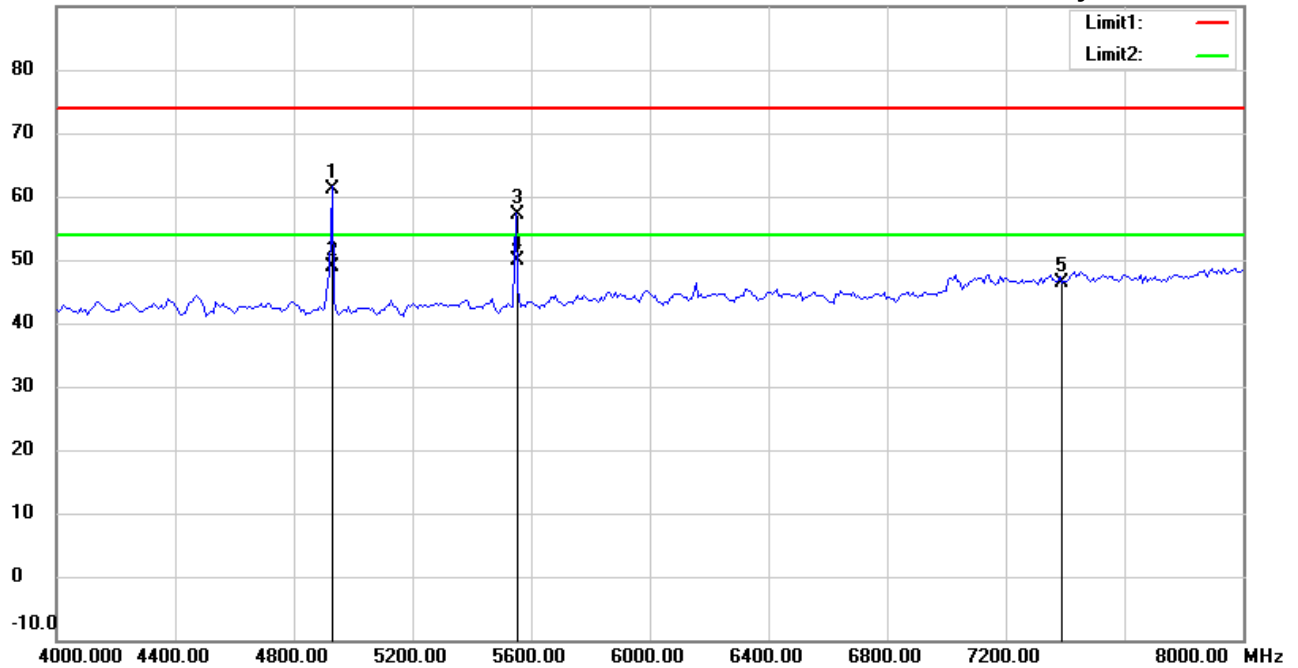
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:07:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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
	4925.311	60.30	peak	0.71	61.01	74.00	150	210	-12.99	
	4925.311	48.16	AVG	0.71	48.87	54.00	150	210	-5.13	
	5550.977	54.88	peak	2.34	57.22	74.00	150	200	-16.78	
*	5550.977	47.59	AVG	2.34	49.93	54.00	150	200	-4.07	
	7386.000	40.48	peak	5.99	46.47	74.00	150	35	-27.53	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

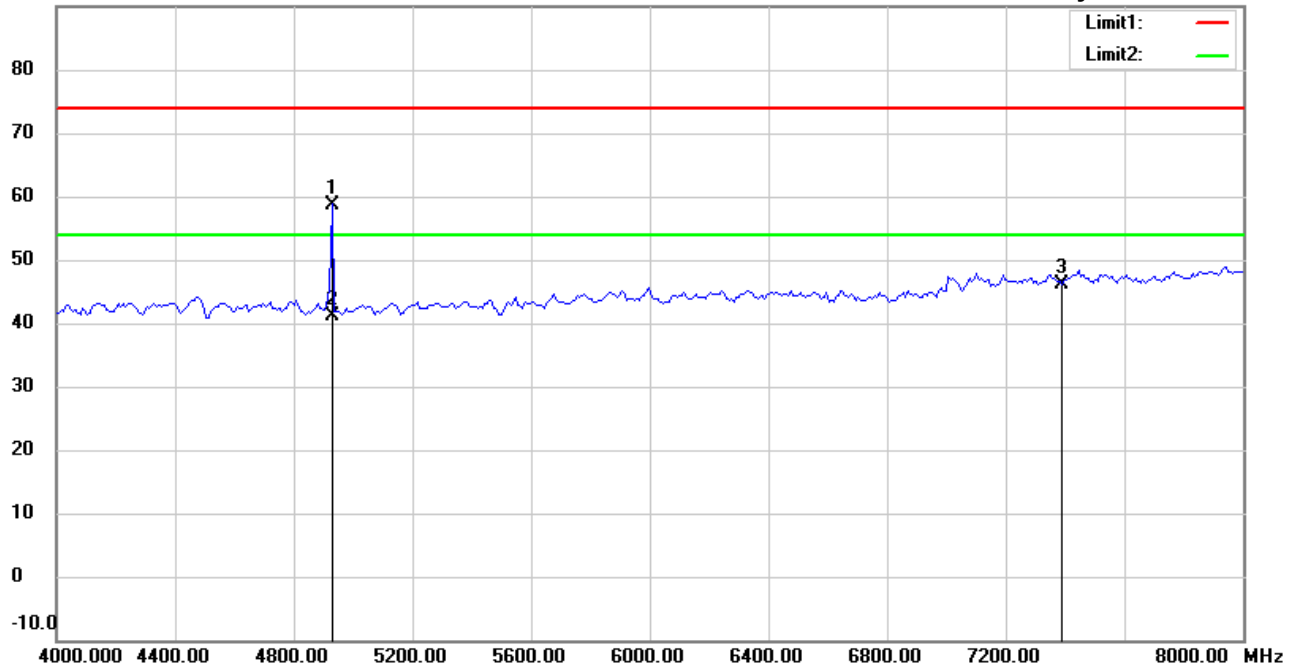
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:11:16 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH11

Note :

Polarization: **Vertical**

Power : 120 Va.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
*	4921.844	57.83	peak	0.71	58.54	74.00	150	15	-15.46	
	4921.844	40.30	peak	0.71	41.01	74.00	150	15	-32.99	
	7386.000	40.15	peak	5.99	46.14	74.00	150	340	-27.86	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

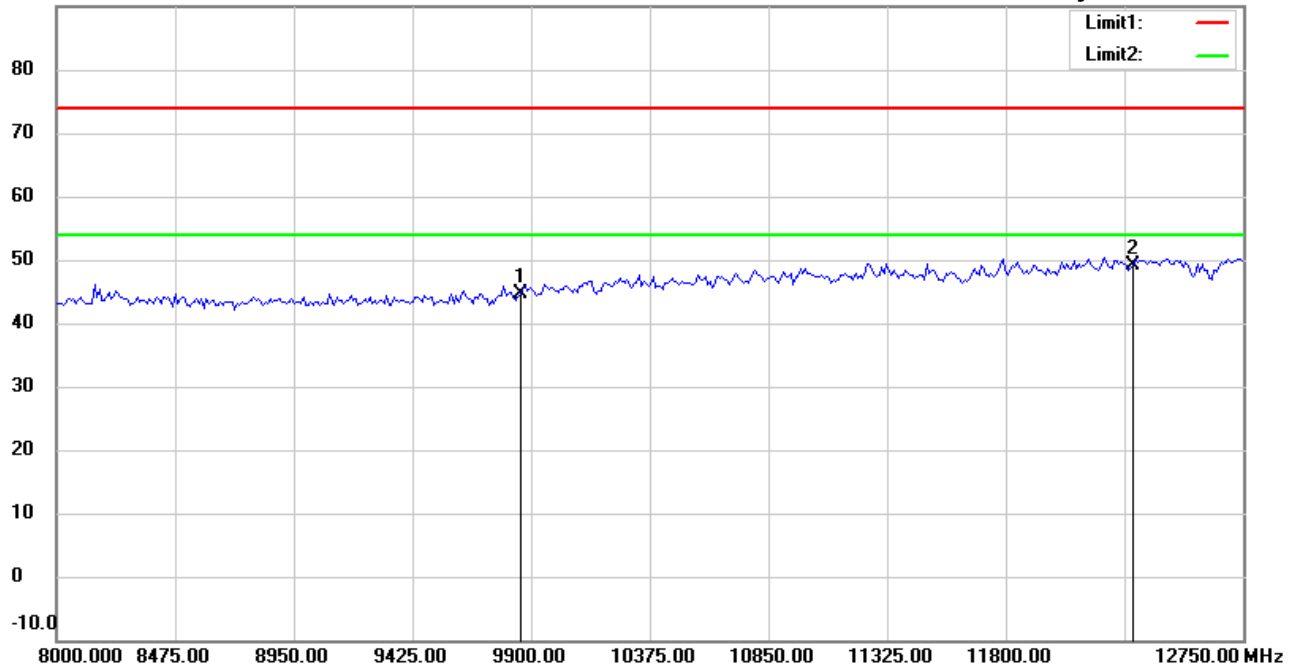
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:08:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.34	peak	9.27	44.61	74.00	150	220	-29.39	
*	12310.000	34.52	peak	14.62	49.14	74.00	150	55	-24.86	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

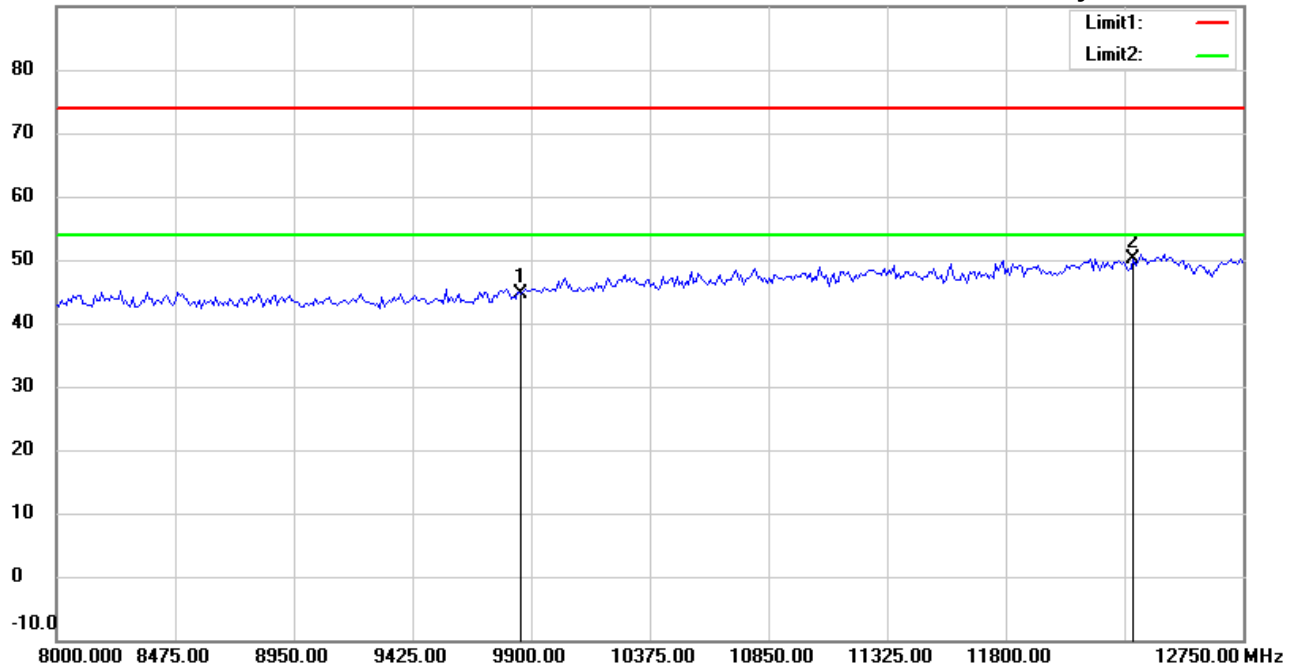
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:12:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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	35.36	peak	9.27	44.63	74.00	150	230	-29.37	
*	12310.000	35.47	peak	14.62	50.09	74.00	150	85	-23.91	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

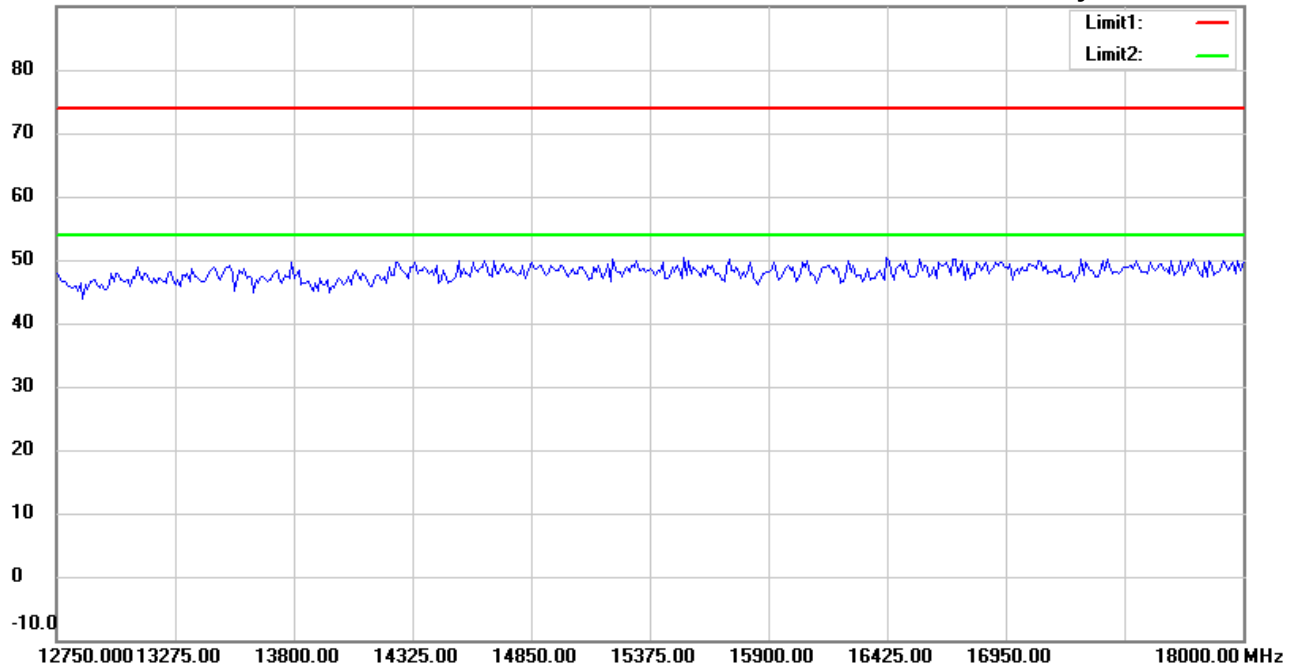
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:09:05 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Allen

File :3

Data :#9

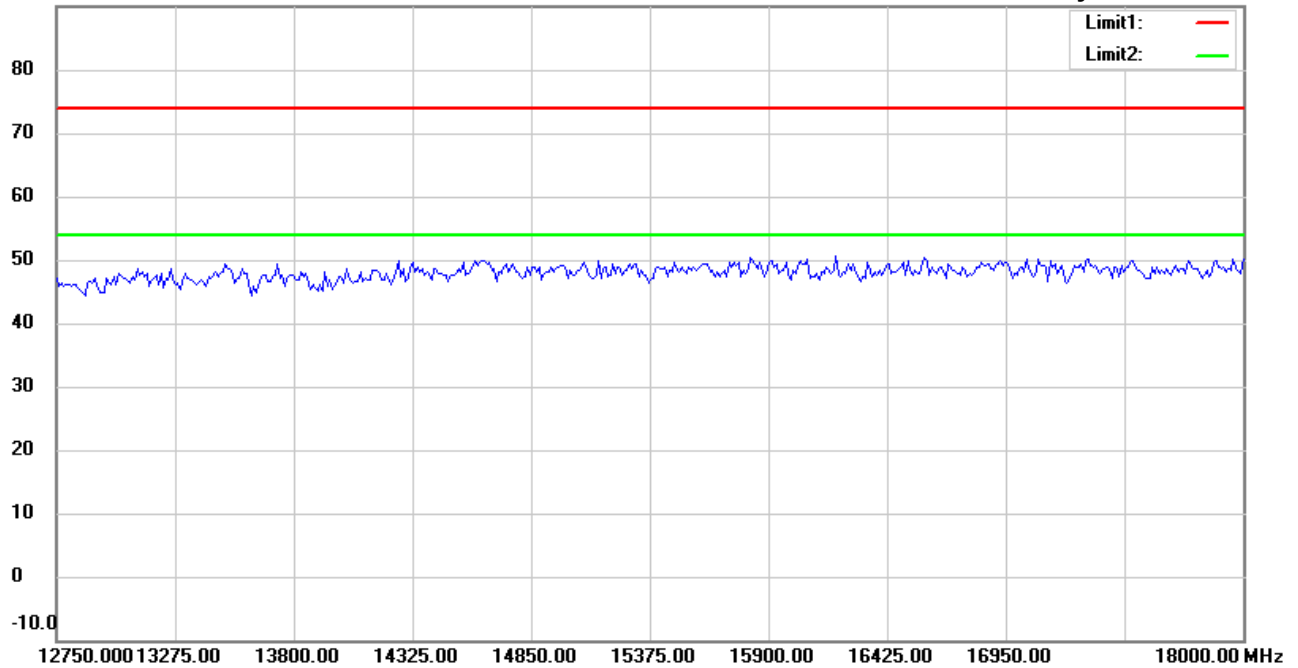
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:12:29 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Allen

File :3

Data :#5

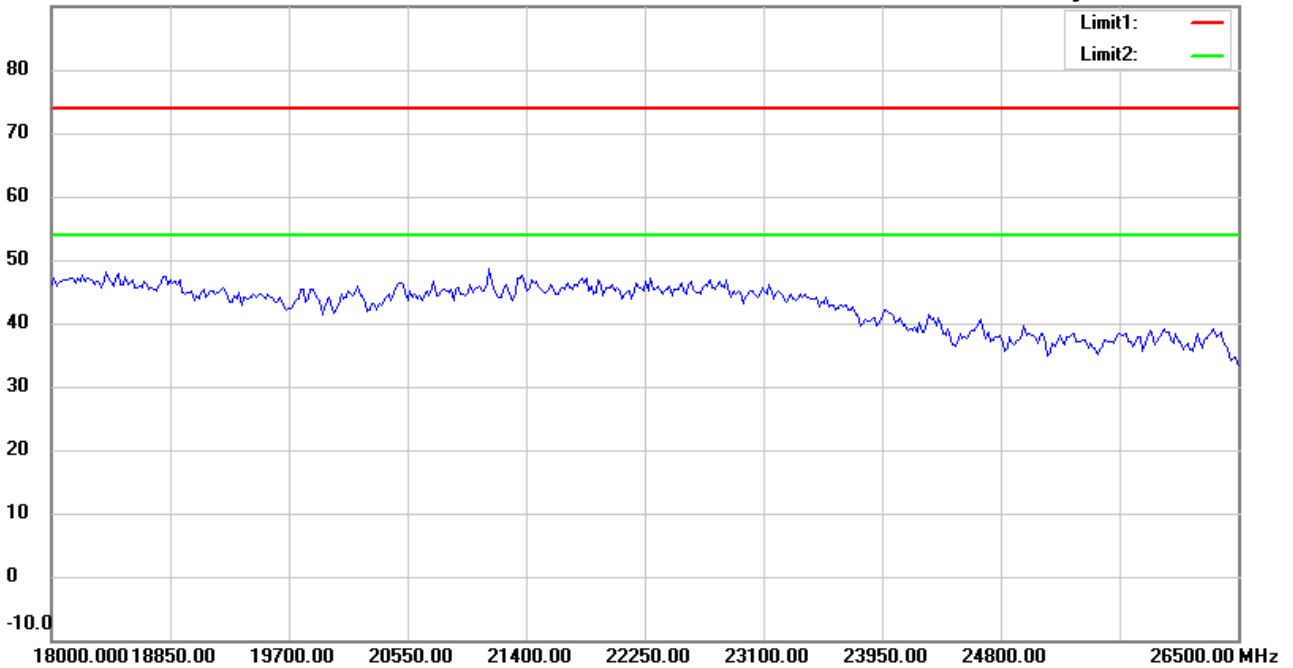
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:09:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 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: Allen

File :3

Data :#10

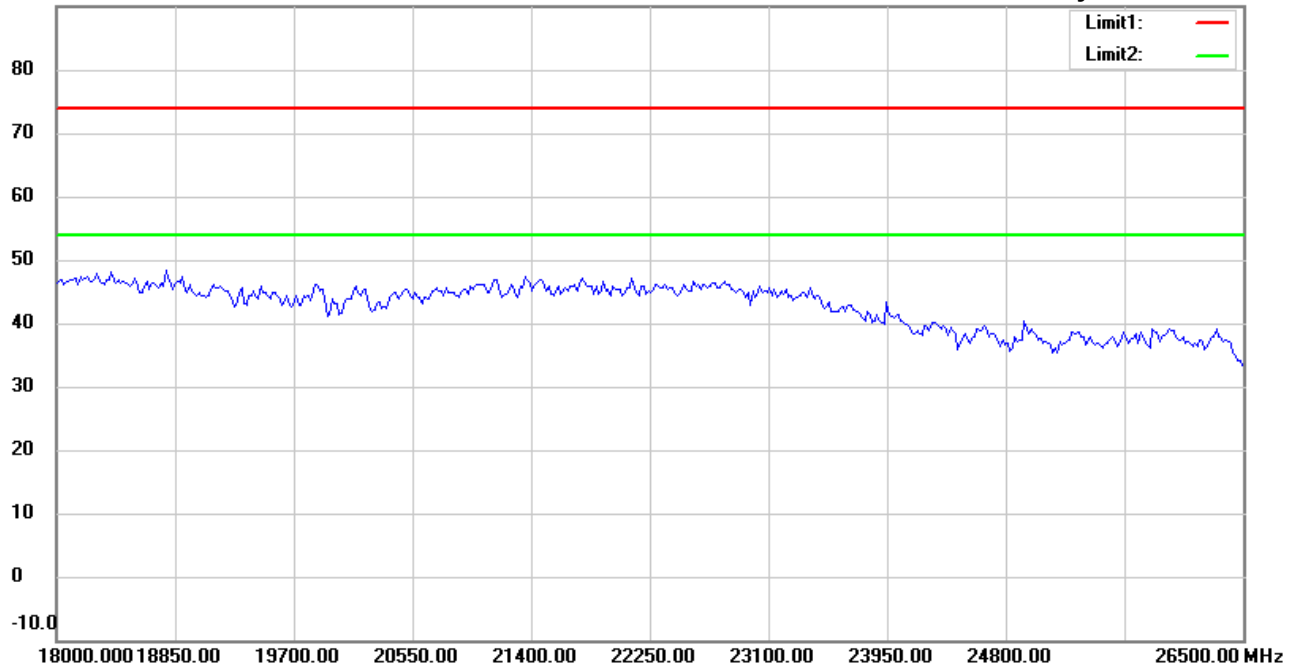
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:12:39 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n20 CH11

Note :

Polarization: *Vertical*

Power : 120 Va.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

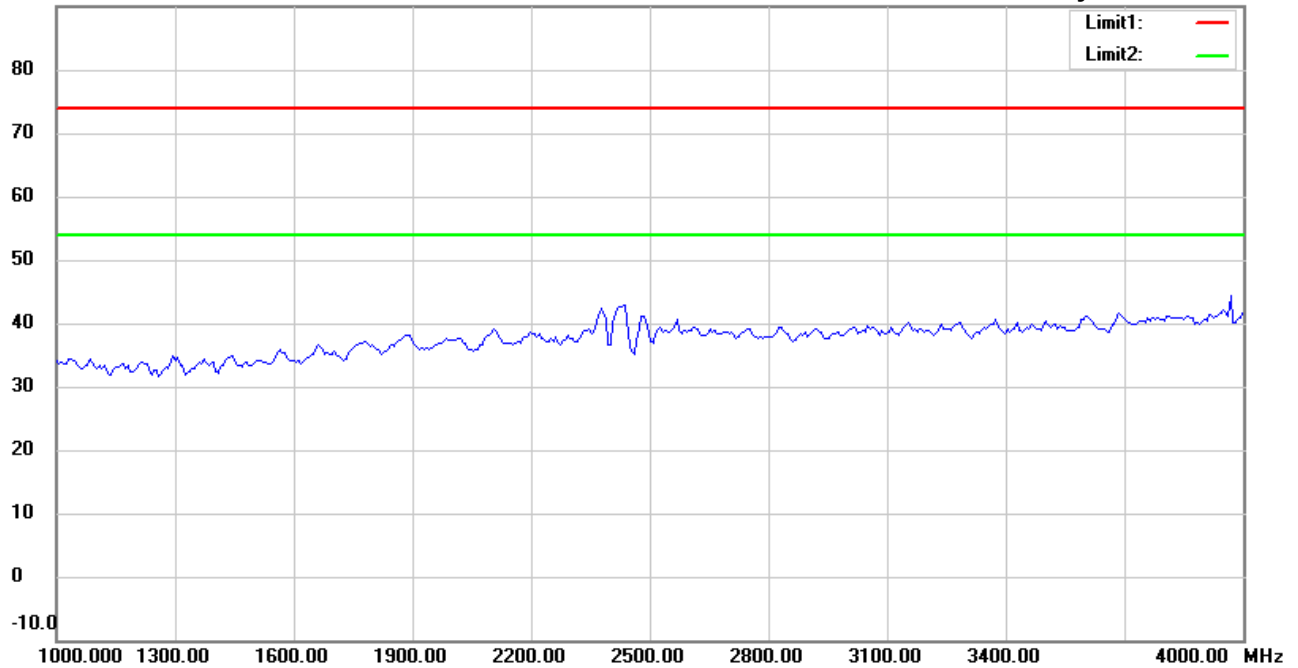
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:33:31 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.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

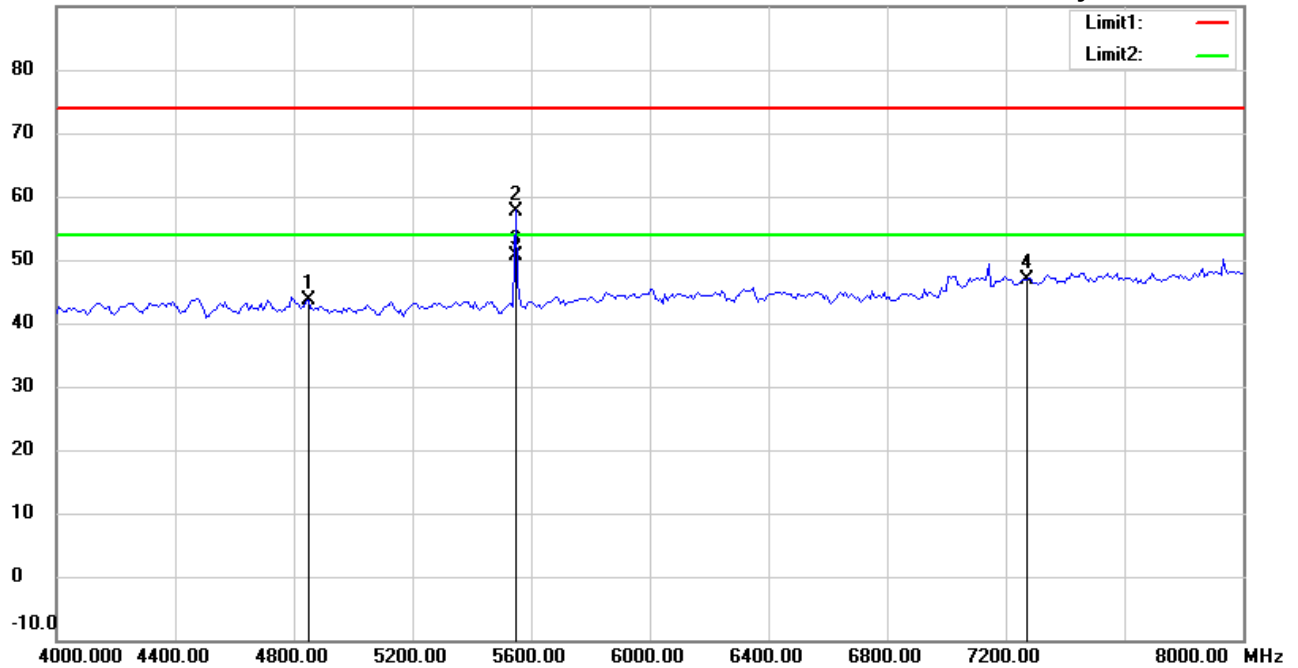
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:34:31 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Horizontal**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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
	4844.000	42.88	peak	0.71	43.59	74.00	150	35	-30.41	
	5547.094	55.29	peak	2.33	57.62	74.00	150	220	-16.38	
*	5547.094	48.34	AVG	2.33	50.67	54.00	150	220	-3.33	
	7266.000	41.52	peak	5.46	46.98	74.00	150	180	-27.02	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

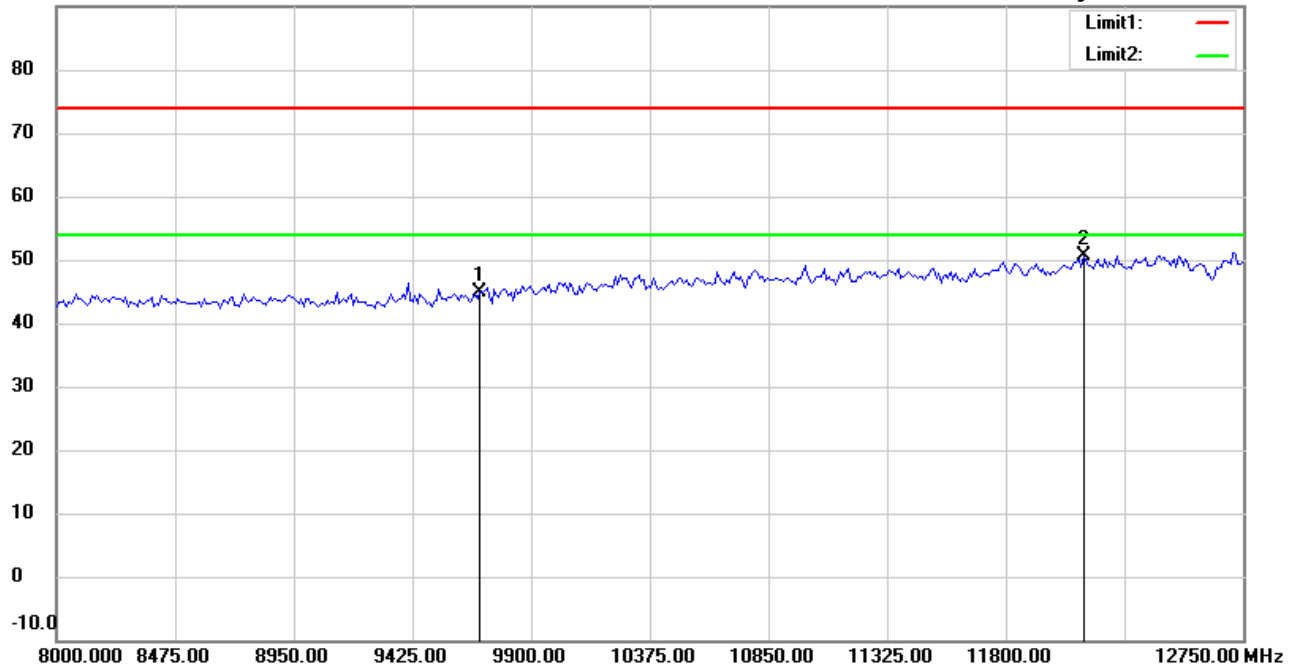
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:35:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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
	9688.000	36.47	peak	8.31	44.78	74.00	150	240	-29.22	
*	12110.000	35.78	peak	14.75	50.53	74.00	150	80	-23.47	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

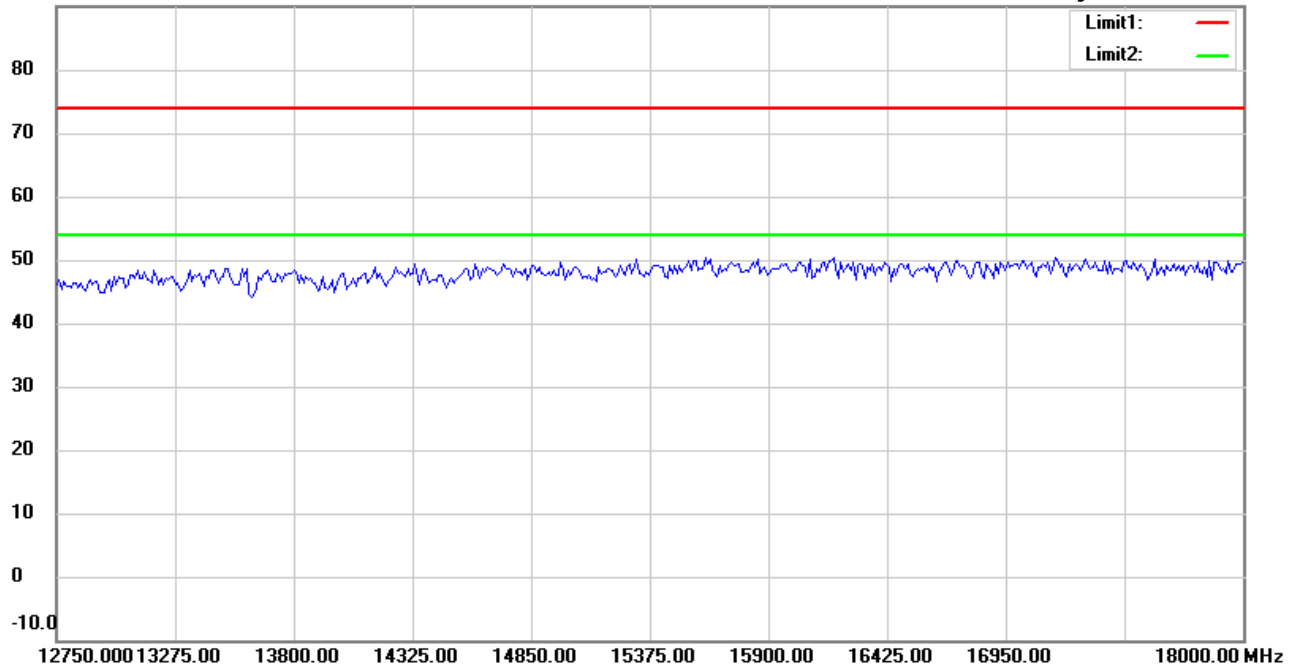
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:35:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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: Allen

File :3

Data :#5

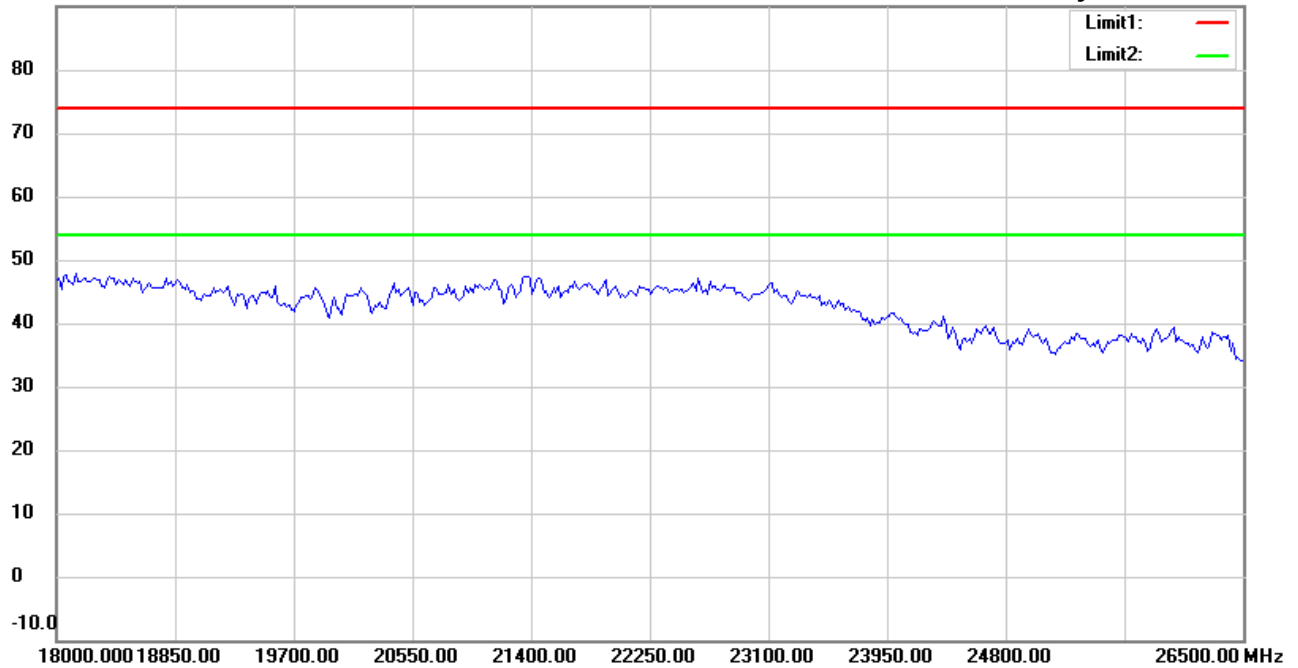
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:36:01 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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: Allen

File :3

Data :#6

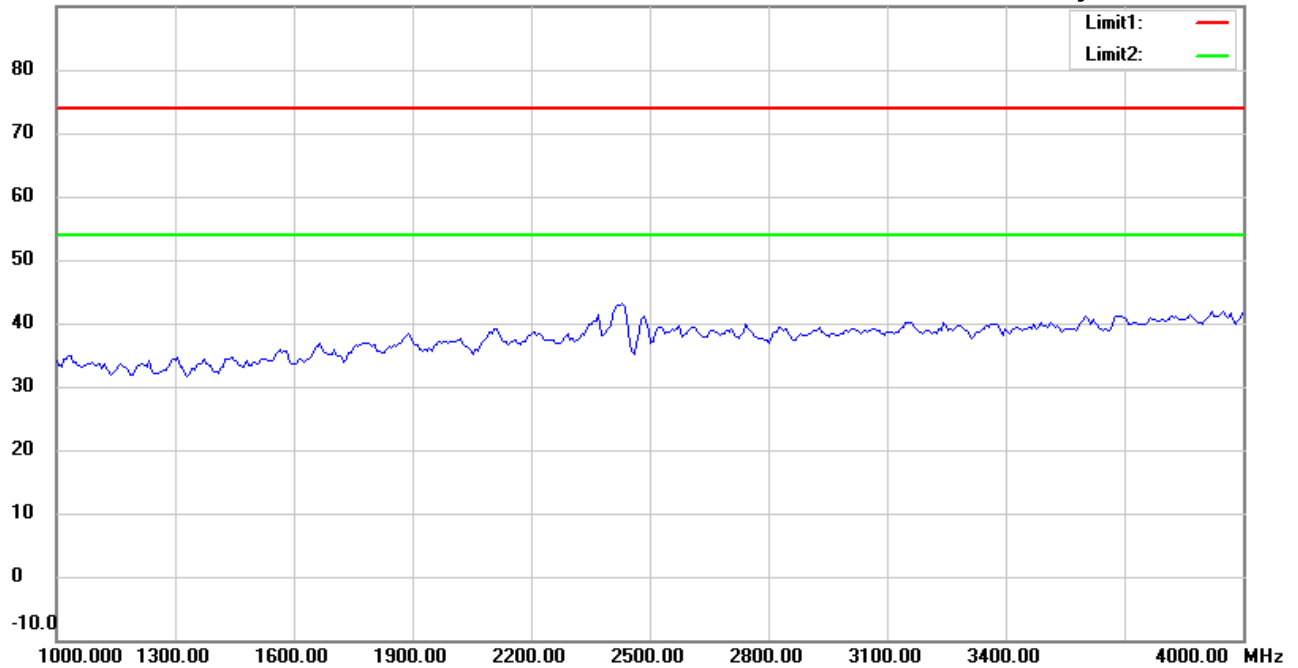
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:37:01 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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: Allen

File :3

Data :#7

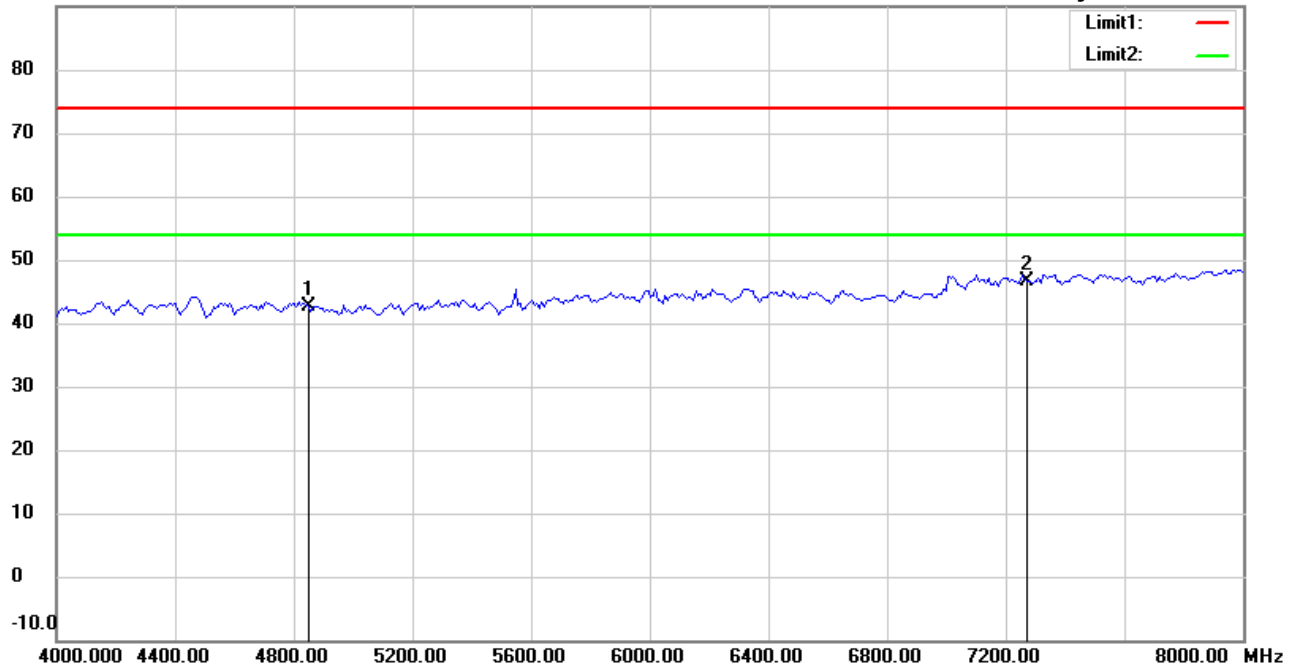
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:38:02 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH1

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4844.000	42.01	peak	0.71	42.72	74.00	150	330	-31.28	
*	7266.000	41.21	peak	5.46	46.67	74.00	150	175	-27.33	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

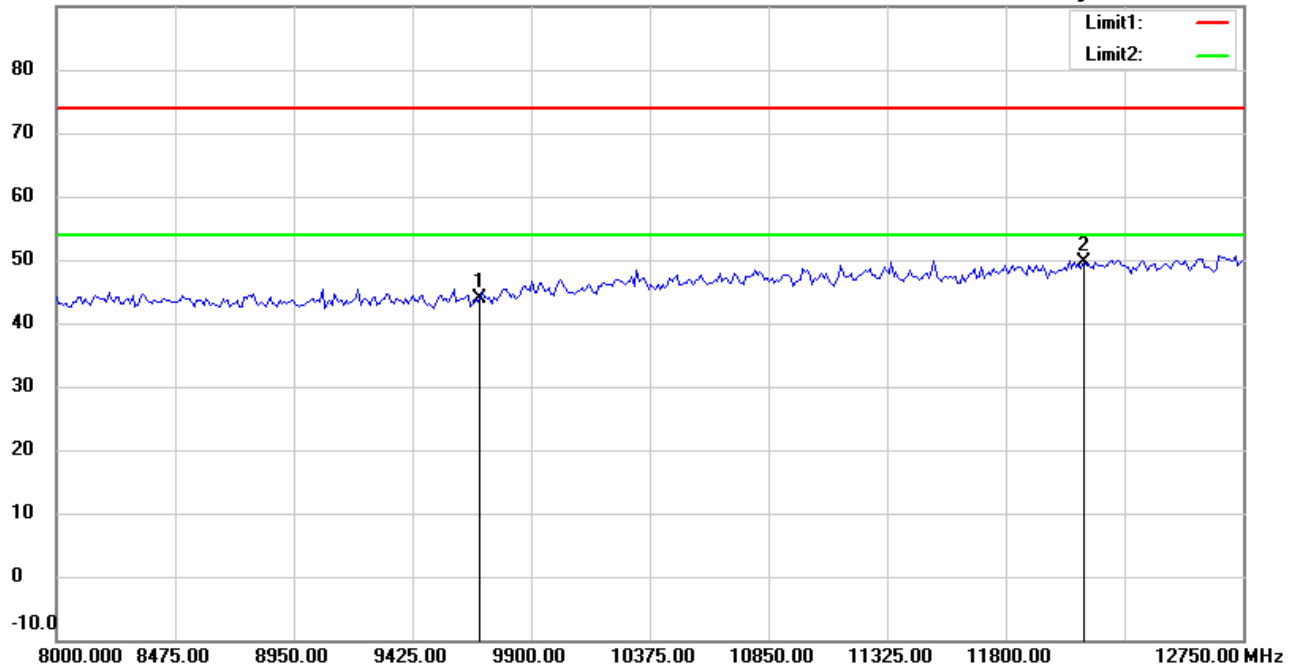
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:02 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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
	9688.000	35.50	peak	8.31	43.81	74.00	150	110	-30.19	
*	12110.000	34.81	peak	14.75	49.56	74.00	150	360	-24.44	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

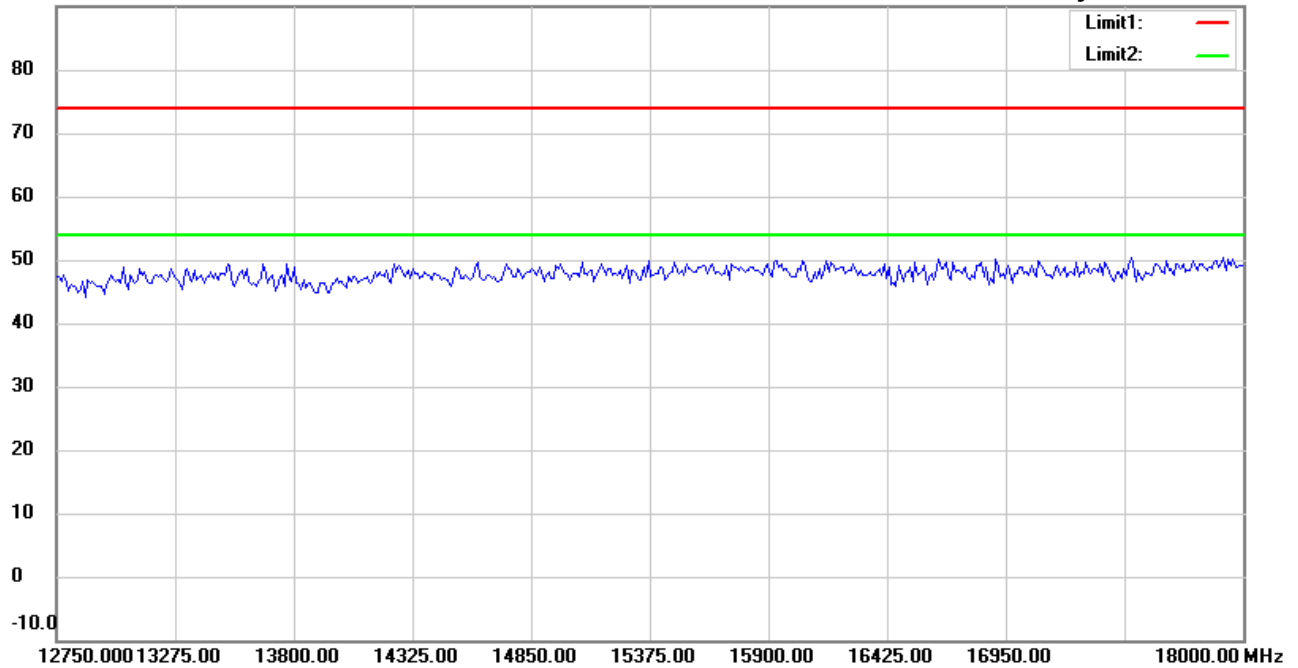
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 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: Allen

File :3

Data :#10

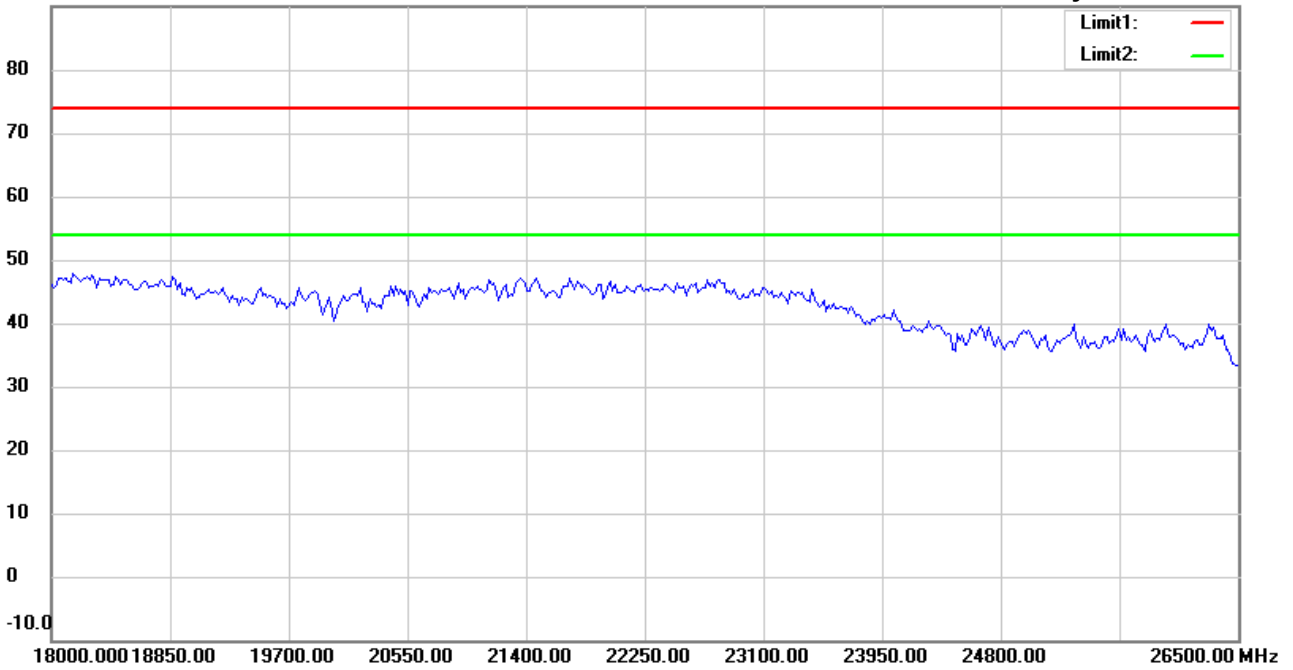
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:25 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH1

Note :

Polarization: *Vertical*

Power : 120 Va.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

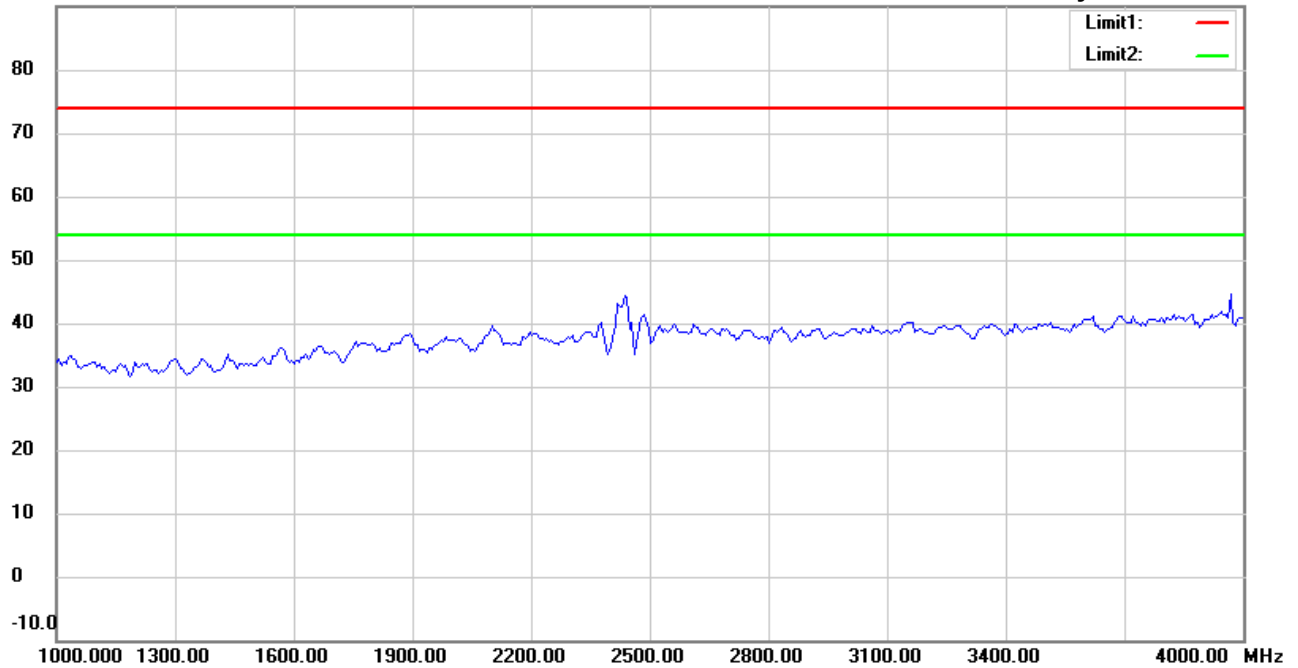
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:48:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH4

Note :

Polarization: *Horizontal*

Power : 120 Va.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 :#6

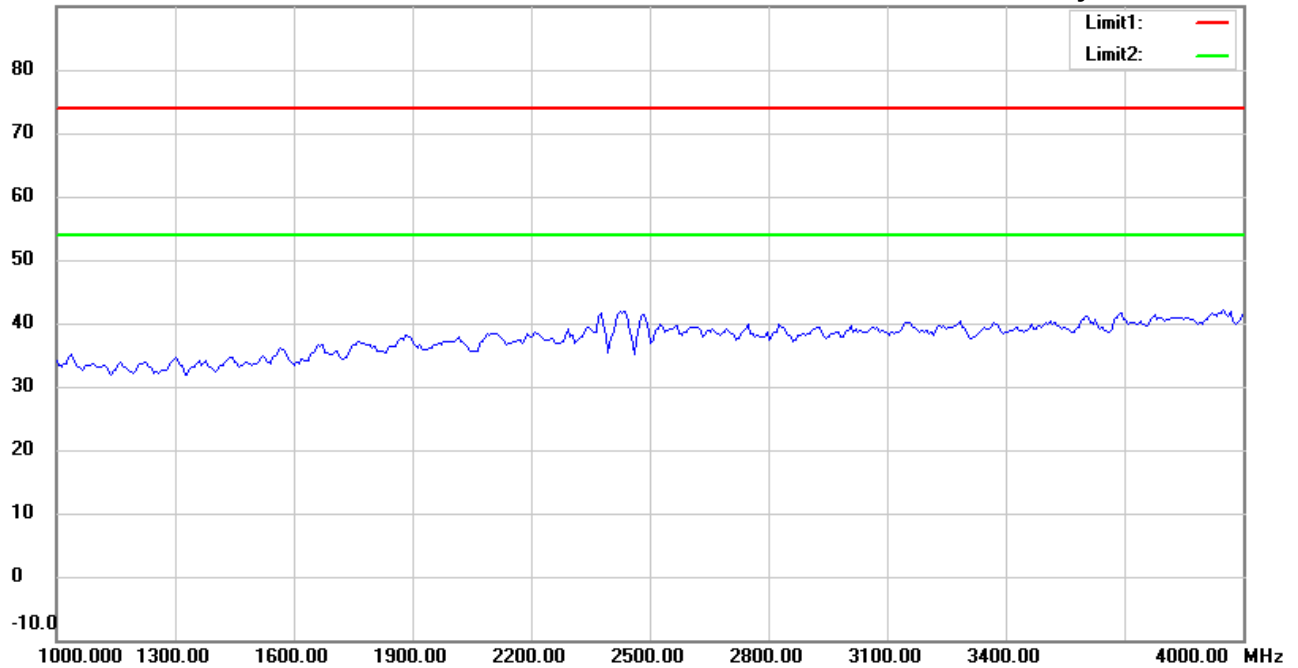
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:52:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH4

Note :

Polarization: *Vertical*

Power : 120 Va.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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

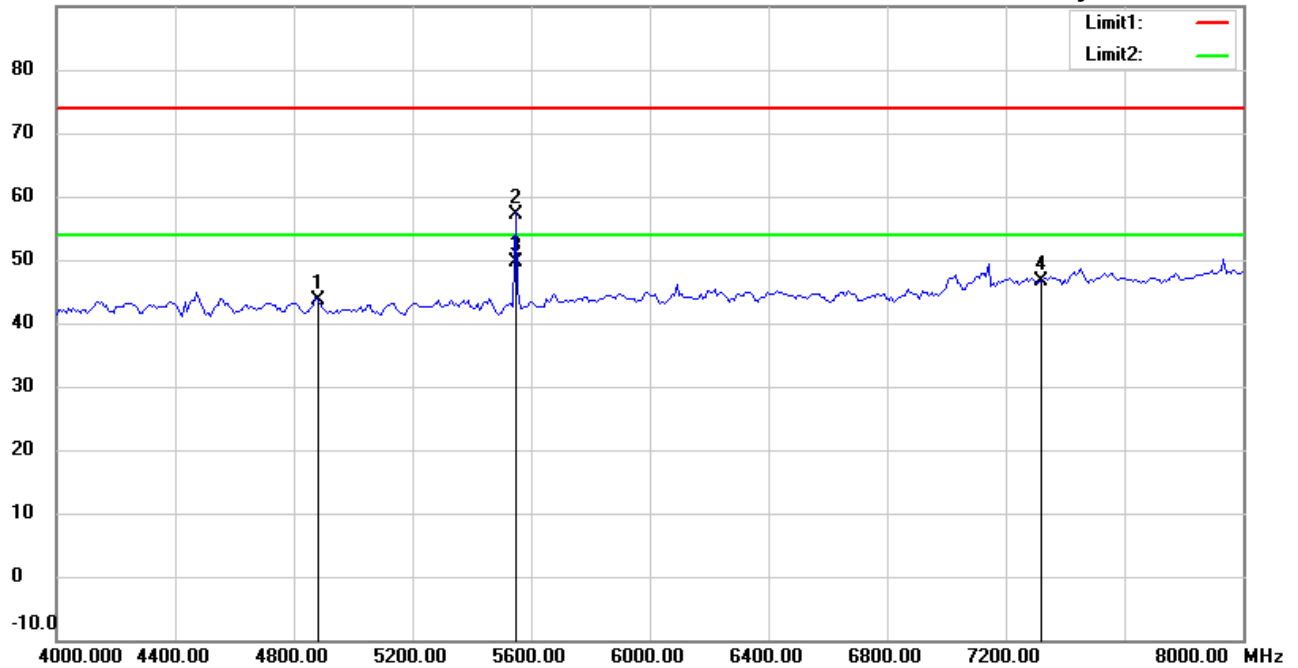
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:49:45 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH4

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4874.000	42.97	peak	0.69	43.66	74.00	150	140	-30.34	
	5547.094	54.73	peak	2.33	57.06	74.00	150	200	-16.94	
*	5547.094	47.39	AVG	2.33	49.72	54.00	150	200	-4.28	
	7311.000	41.04	peak	5.57	46.61	74.00	150	315	-27.39	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

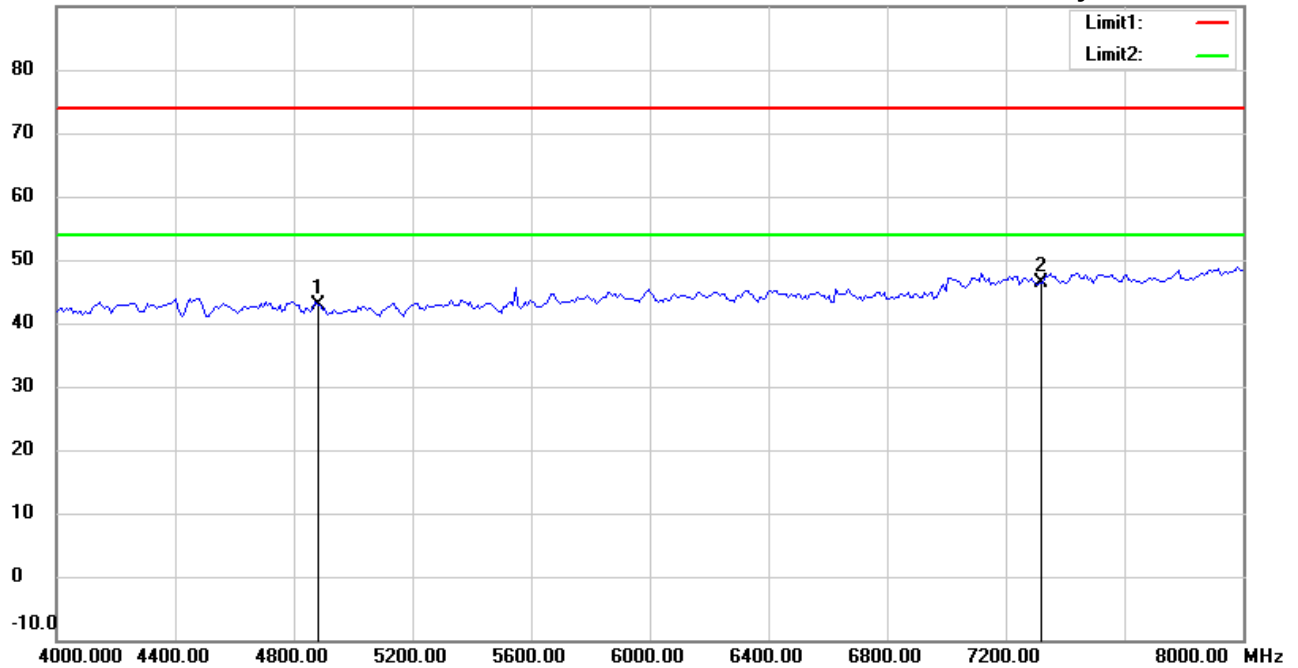
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:53:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH4

Note :

Polarization: *Vertical*

Power : 120 Va.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
	4874.000	42.24	peak	0.69	42.93	74.00	150	10	-31.07	
*	7311.000	40.90	peak	5.57	46.47	74.00	150	165	-27.53	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

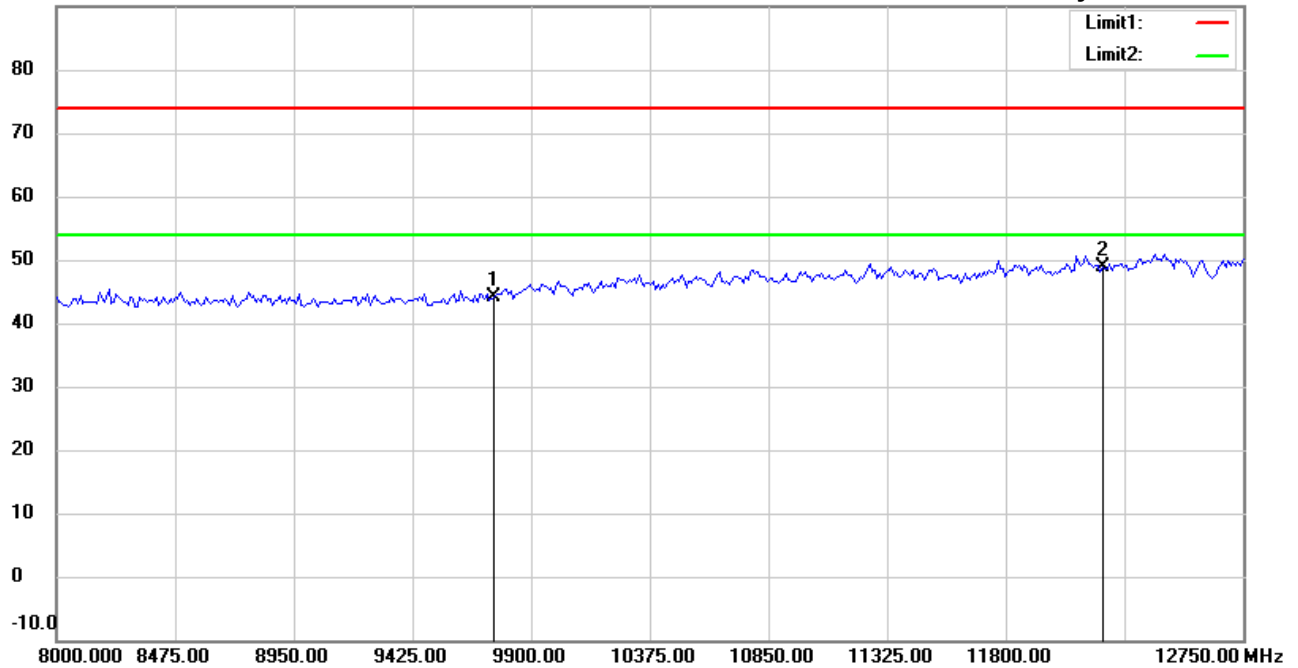
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:50:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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	35.45	peak	8.57	44.02	74.00	150	175	-29.98	
*	12185.000	33.61	peak	15.16	48.77	74.00	150	40	-25.23	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

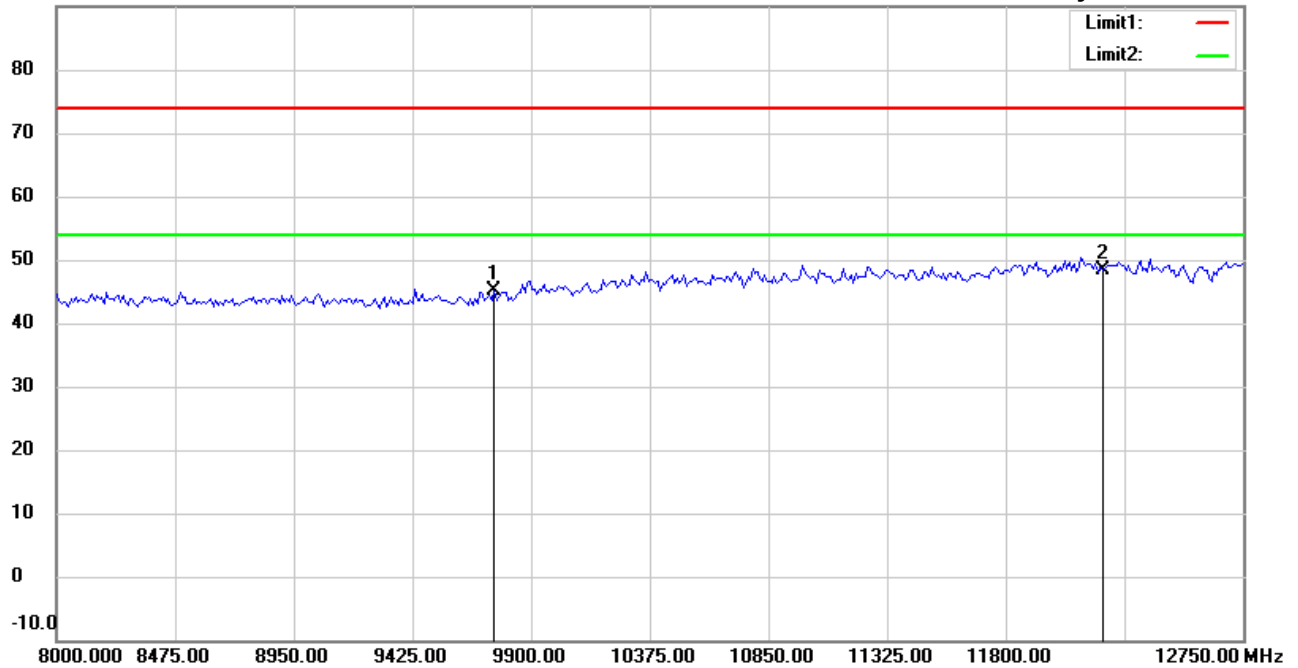
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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	36.45	peak	8.57	45.02	74.00	150	335	-28.98	
*	12185.000	33.20	peak	15.16	48.36	74.00	150	150	-25.64	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

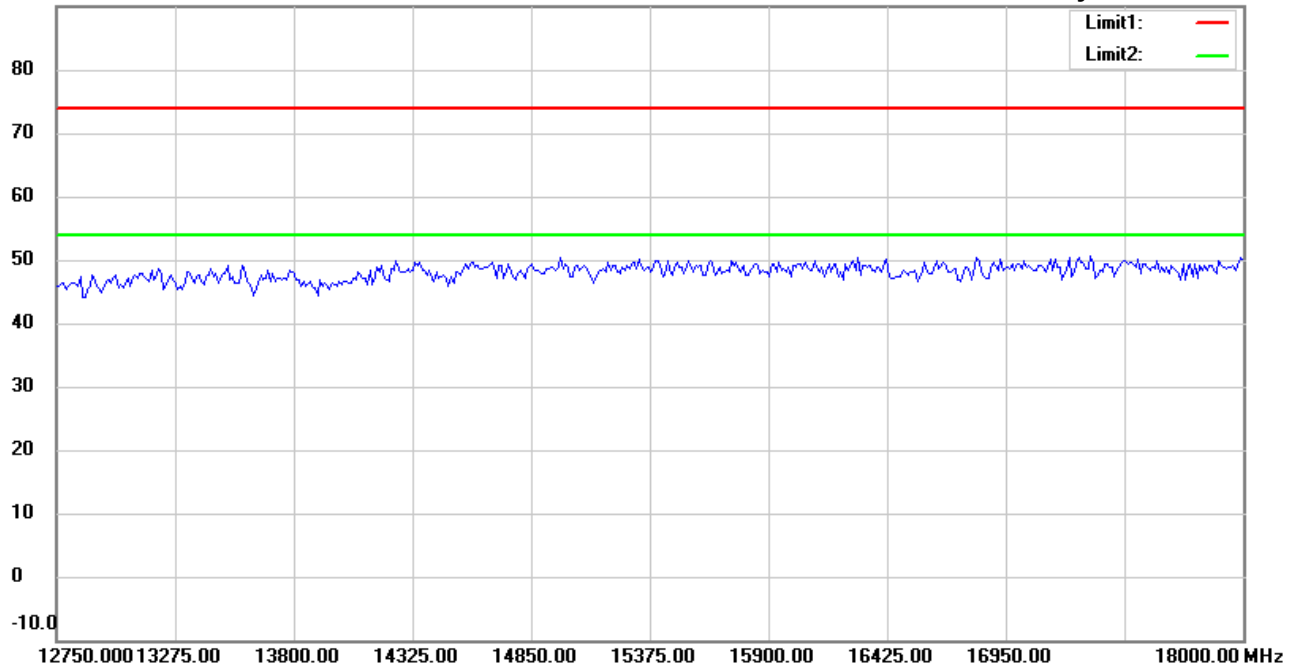
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:51:05 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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

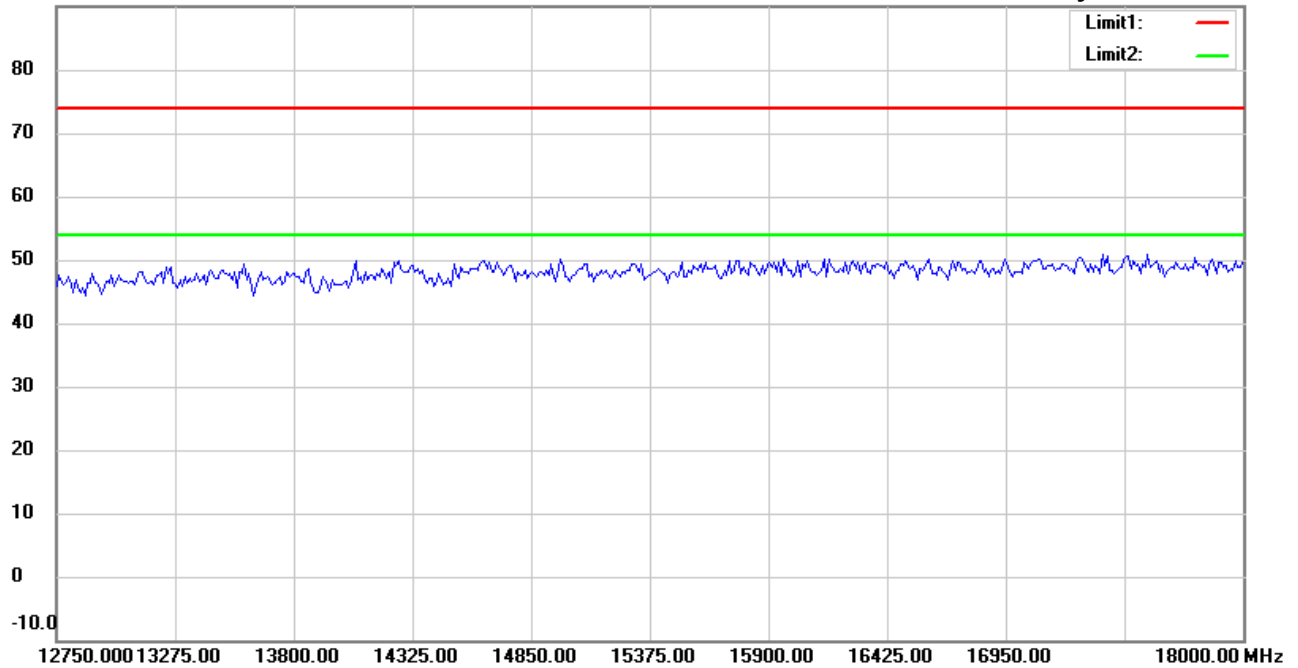
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:29 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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

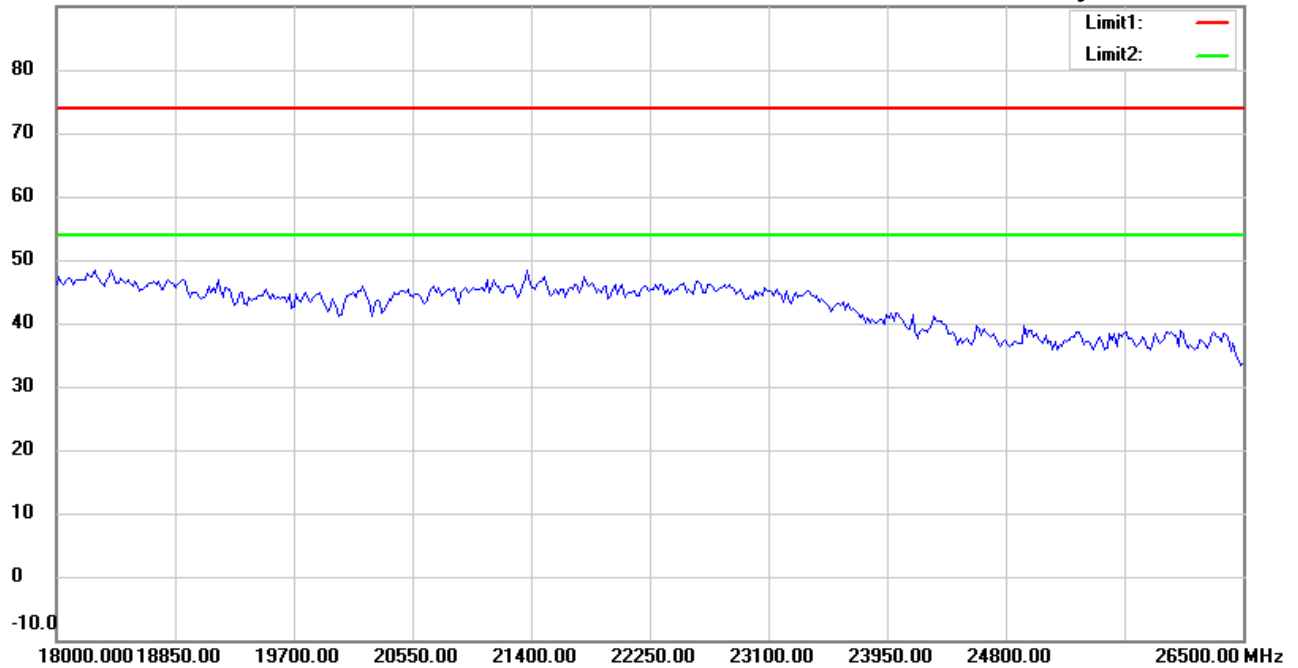
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:51:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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

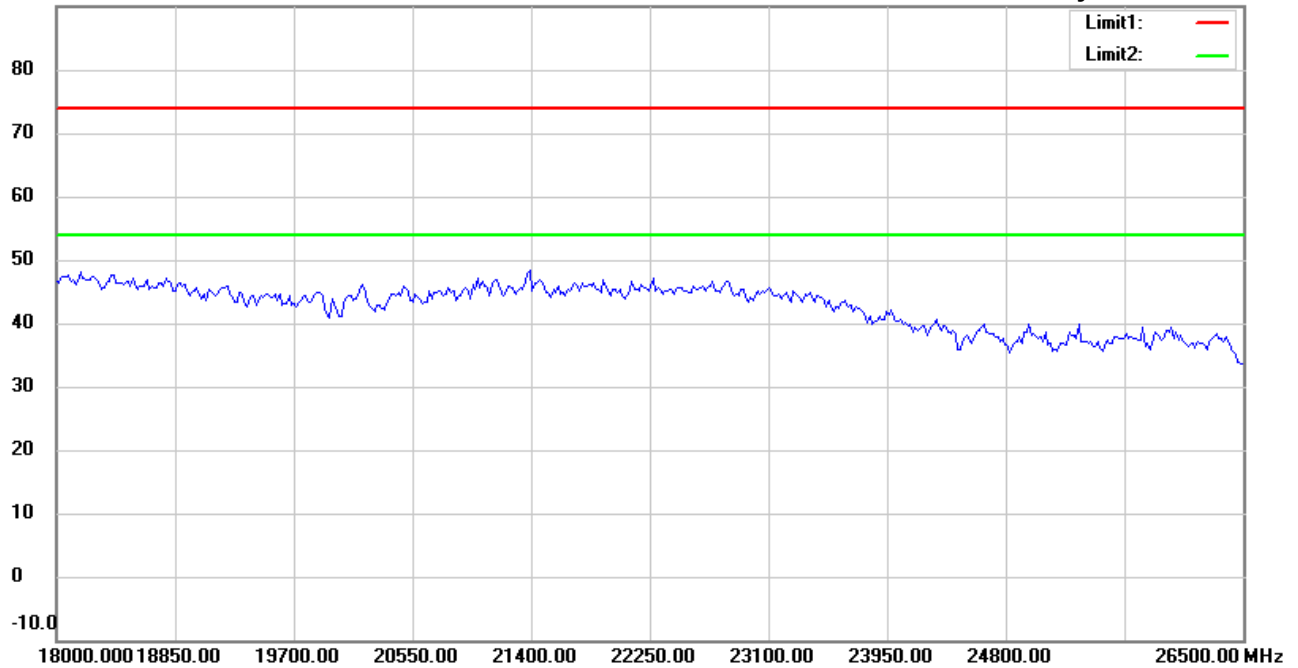
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:39 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH4

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

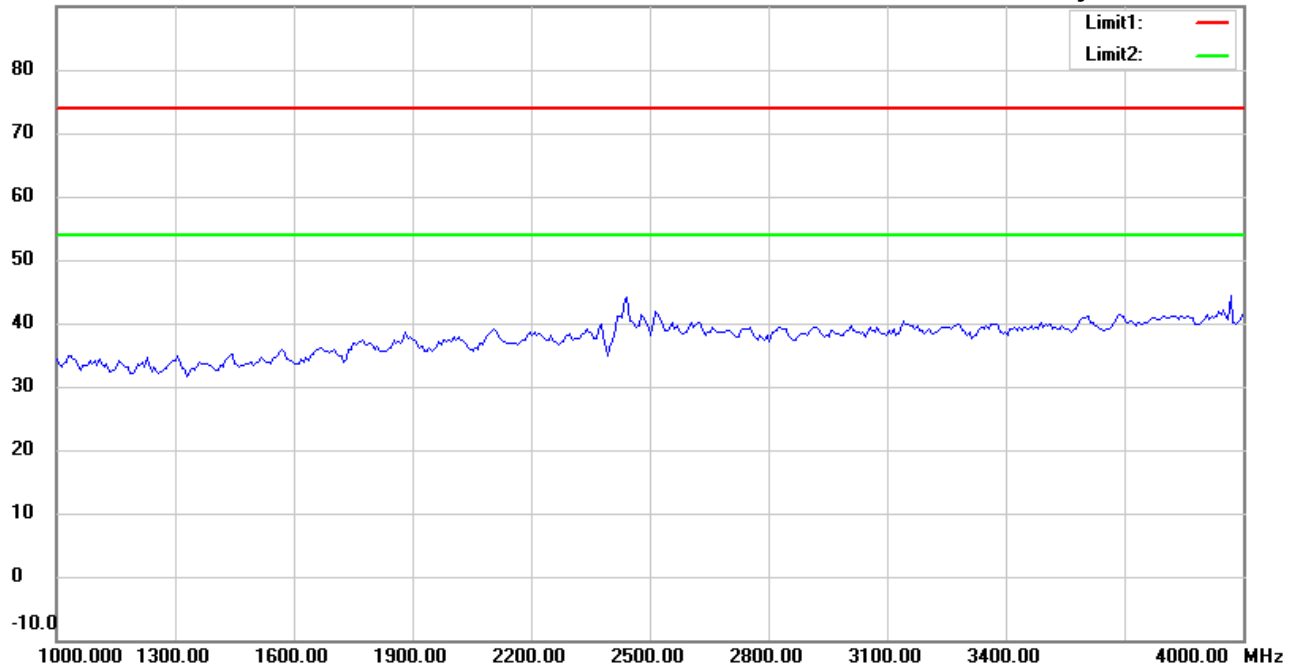
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:01:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH7

Note :

Polarization: *Horizontal*

Power : 120 Va.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

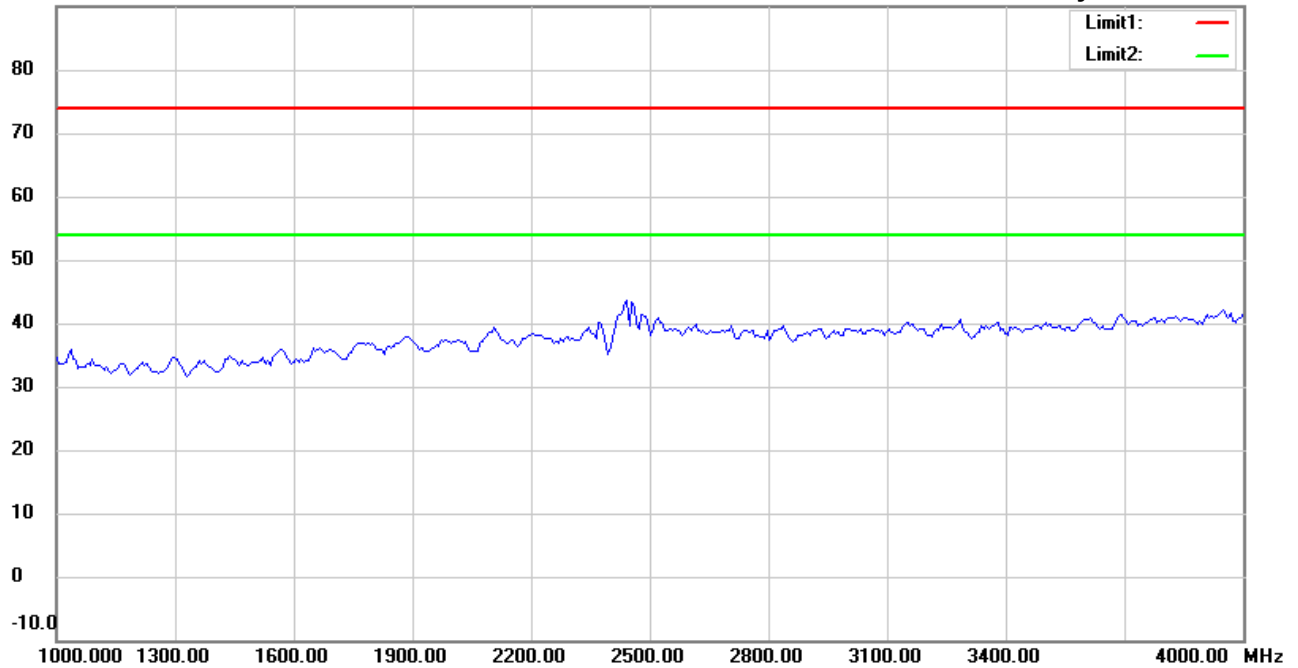
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:05:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH7

Note :

Polarization: *Vertical*

Power : 120 Va.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

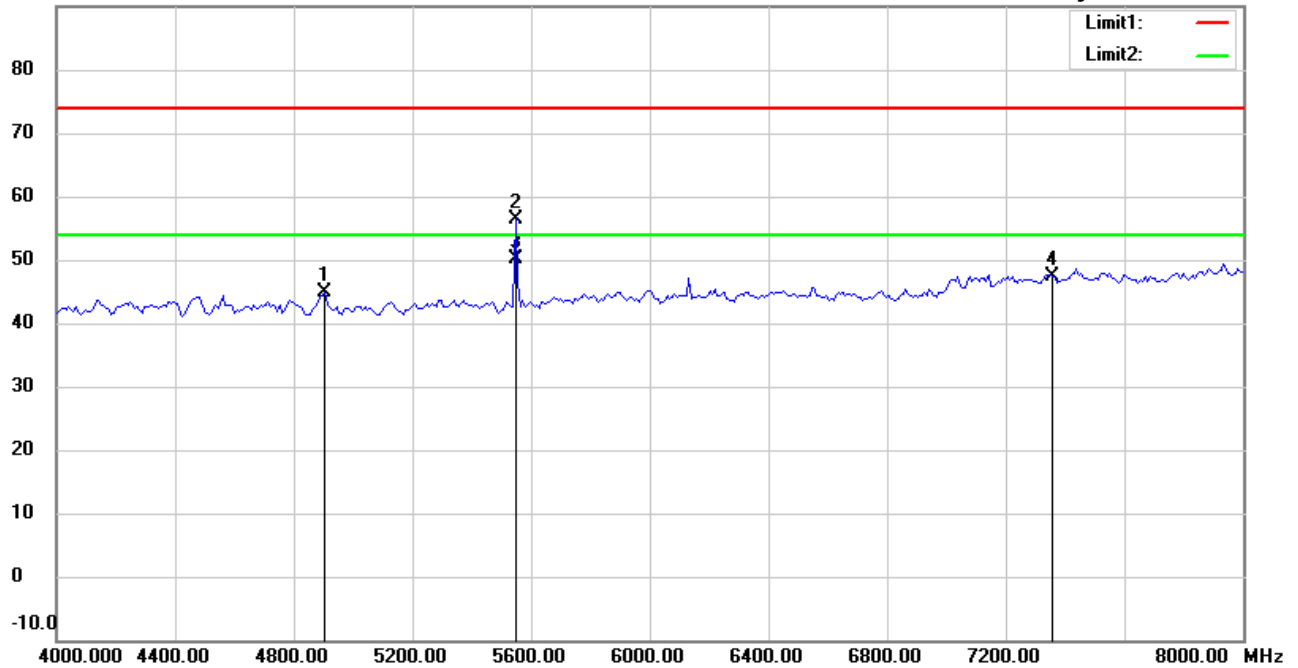
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:02:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH7

Note :

Polarization: **Horizontal**

Power : 120 Va.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
	4904.000	44.29	peak	0.68	44.97	74.00	150	195	-29.03	
	5547.094	54.02	peak	2.33	56.35	74.00	150	215	-17.65	
*	5547.094	47.68	AVG	2.33	50.01	54.00	150	215	-3.99	
	7356.000	41.45	peak	5.82	47.27	74.00	150	70	-26.73	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

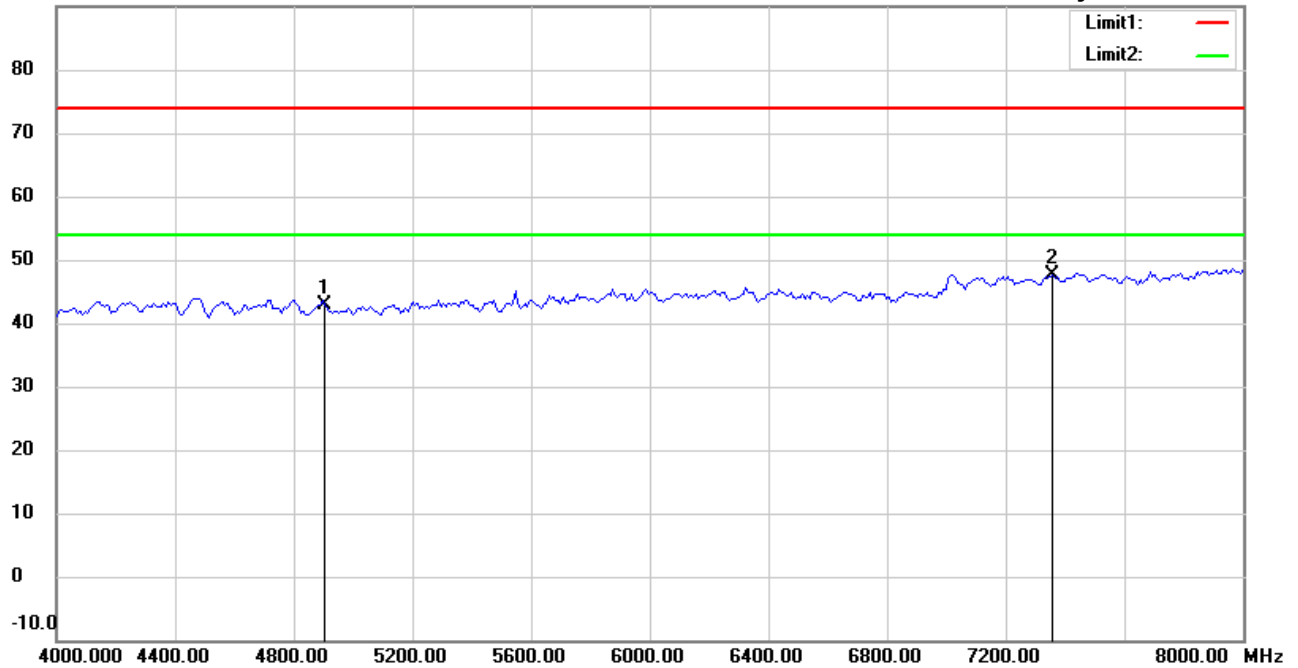
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:06:09 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH7

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
	4904.000	42.15	peak	0.68	42.83	74.00	150	70	-31.17	
*	7356.000	41.70	peak	5.82	47.52	74.00	150	275	-26.48	

*: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 :#3

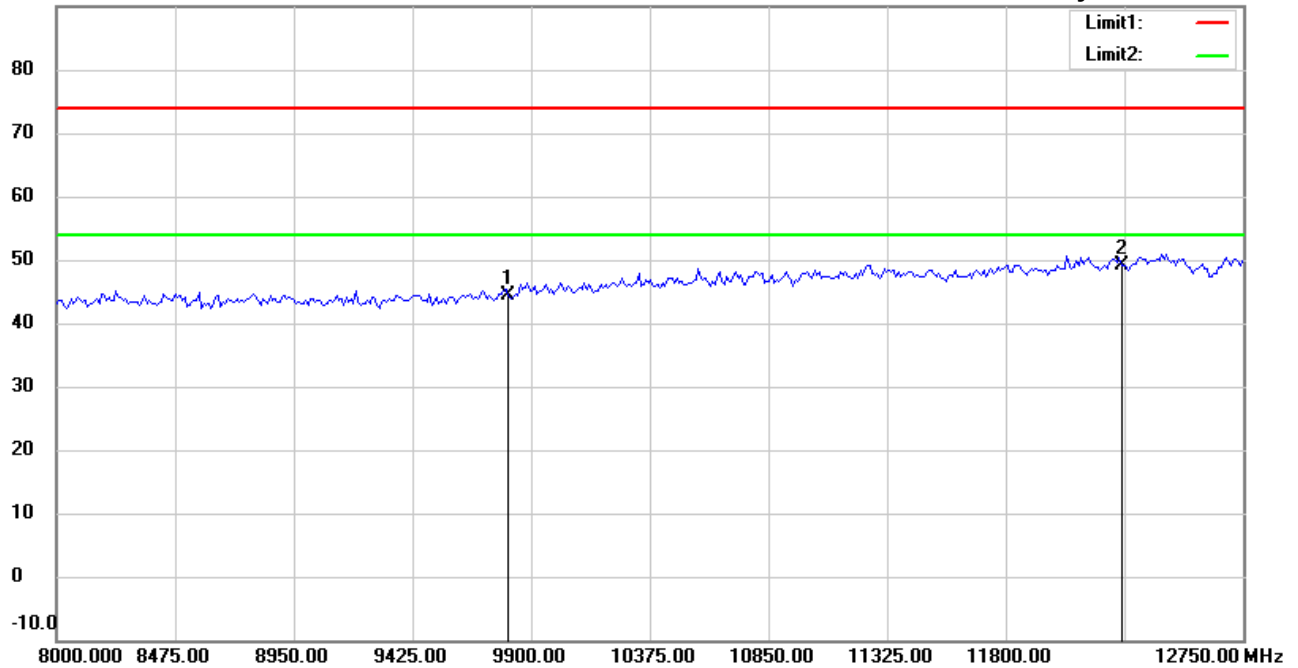
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:03:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH7

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
	9808.000	35.40	peak	8.92	44.32	74.00	150	35	-29.68	
*	12260.000	34.32	peak	14.79	49.11	74.00	150	285	-24.89	

*: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

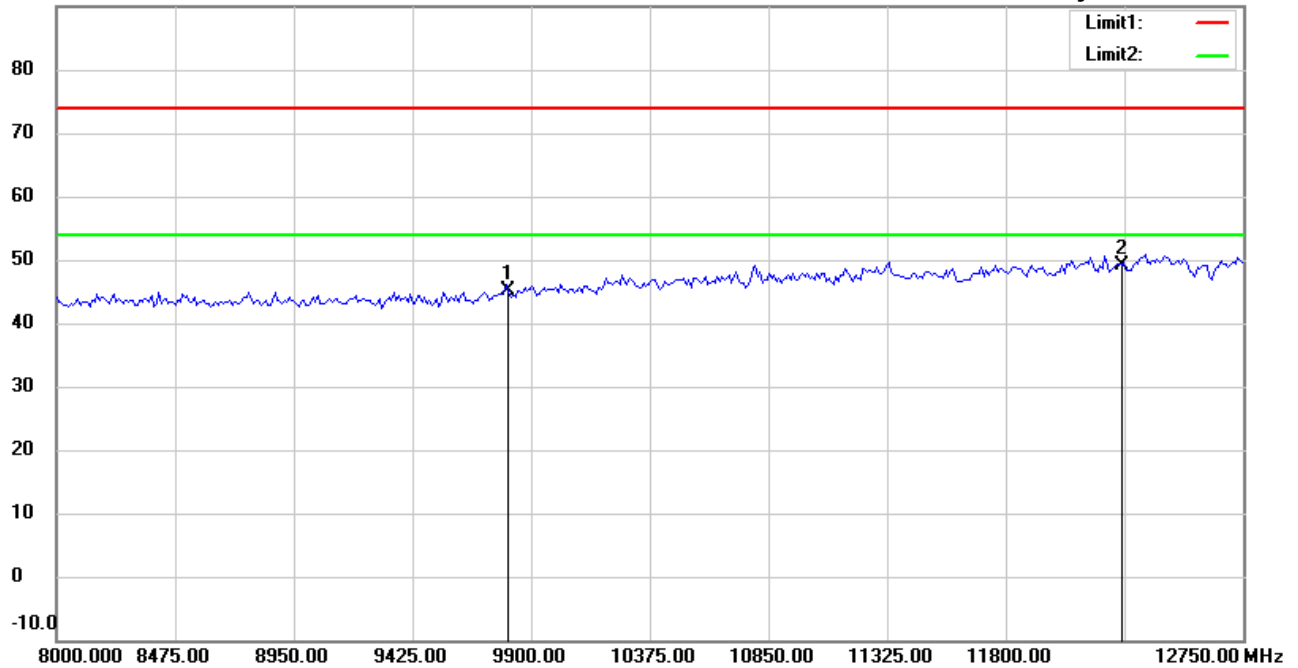
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH7

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
	9808.000	36.10	peak	8.92	45.02	74.00	150	245	-28.98	
*	12260.000	34.44	peak	14.79	49.23	74.00	150	100	-24.77	

*: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 :#4

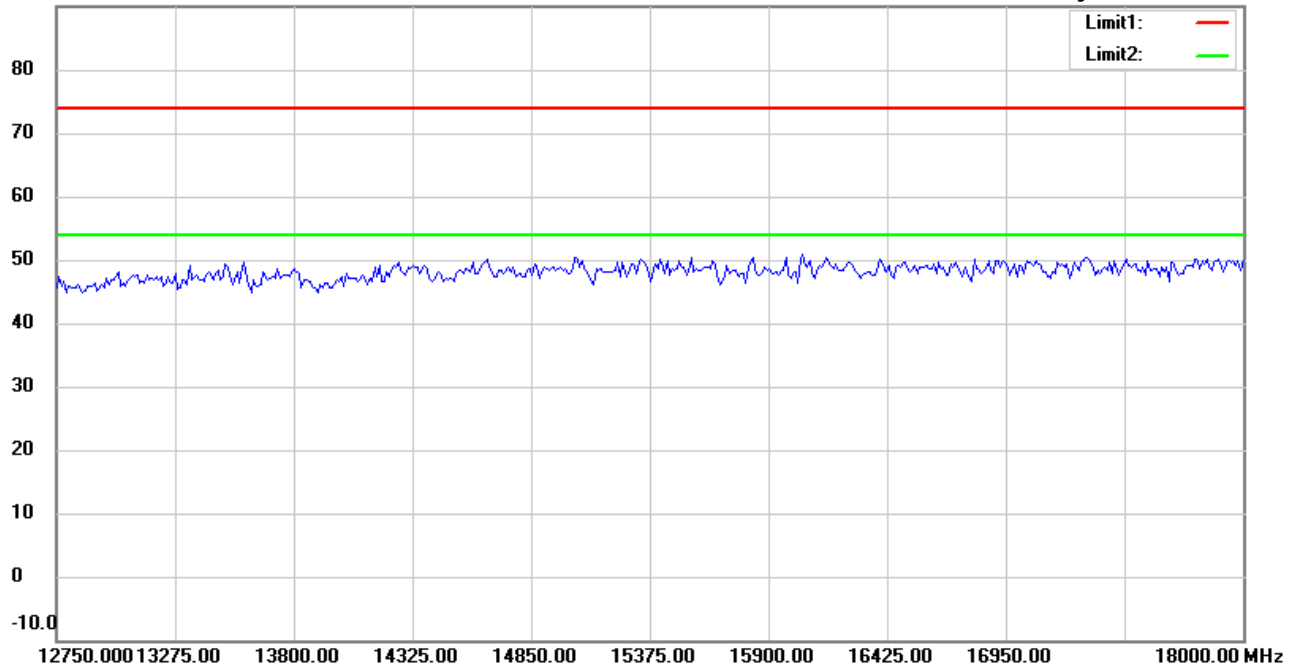
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:03:58 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH7

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 :#9

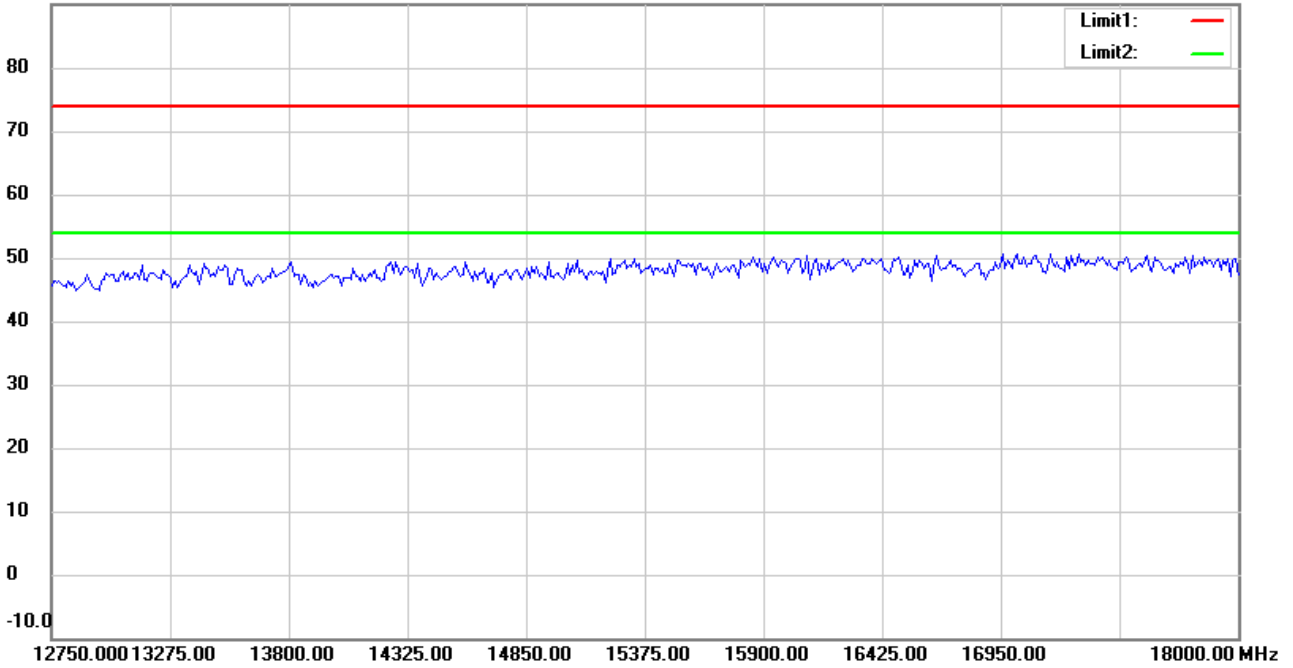
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:22 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH7

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

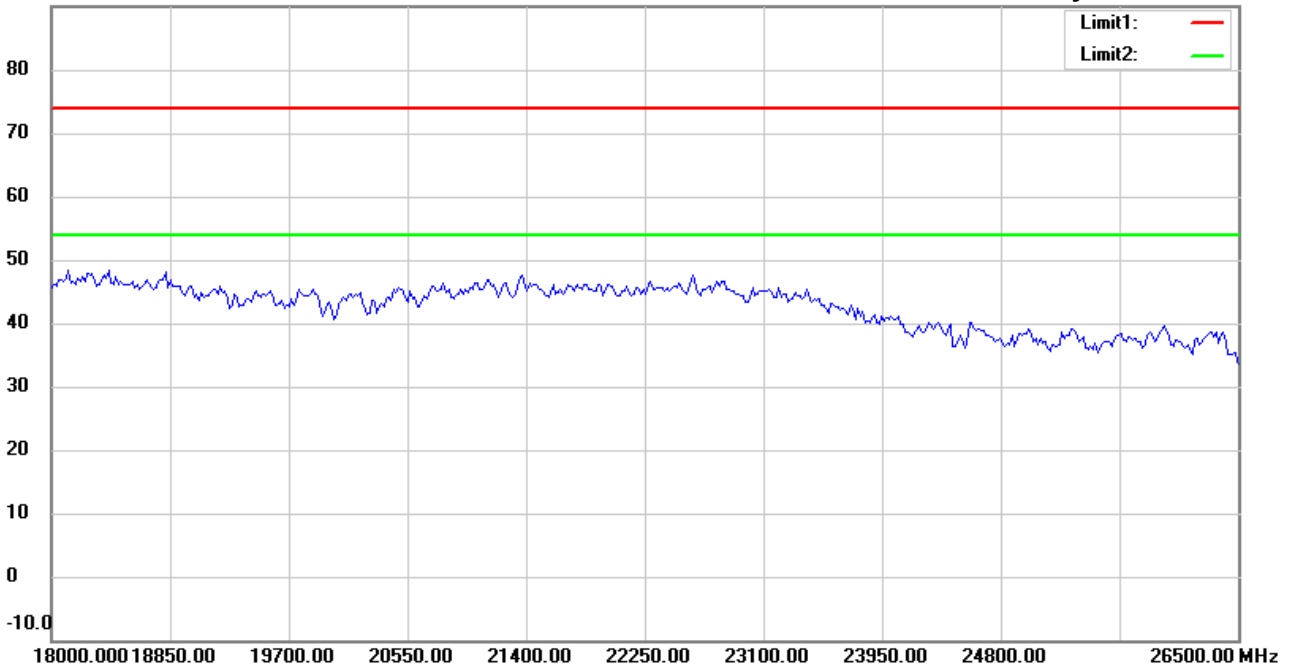
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:04:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH7

Note :

Polarization: *Horizontal*

Power : 120 Va.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

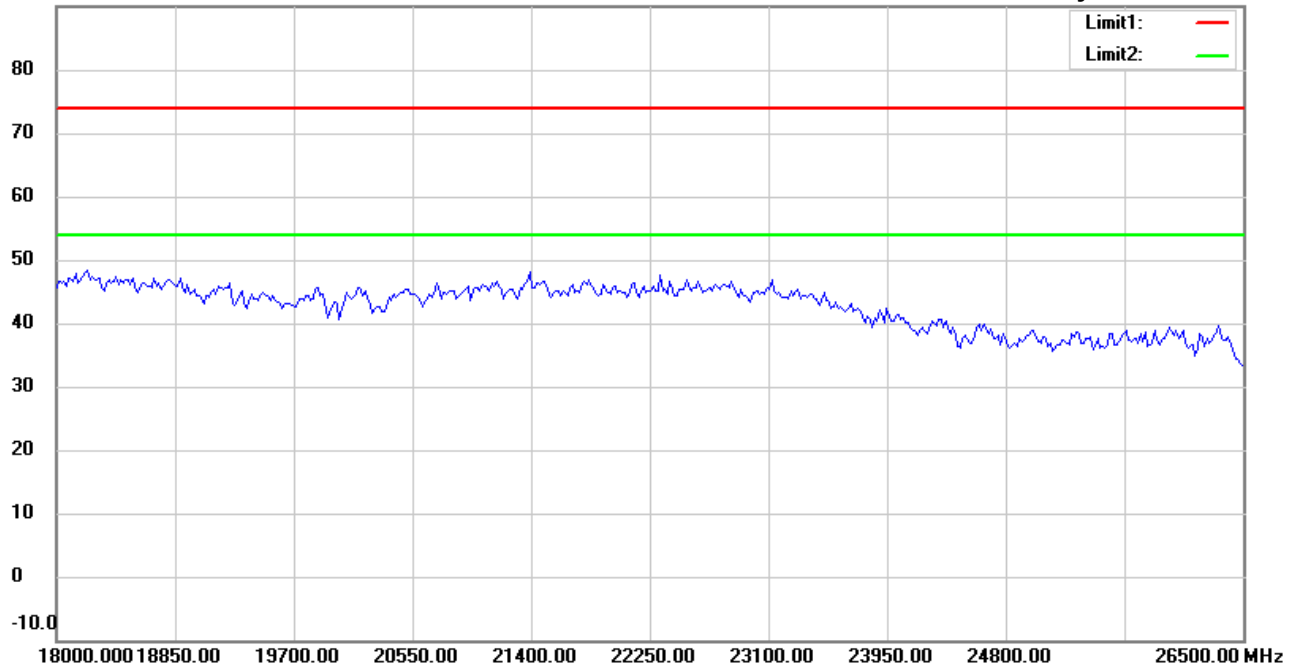
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:32 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 802.11n40 CH7

Note :

Polarization: *Vertical*

Power : 120 Va.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



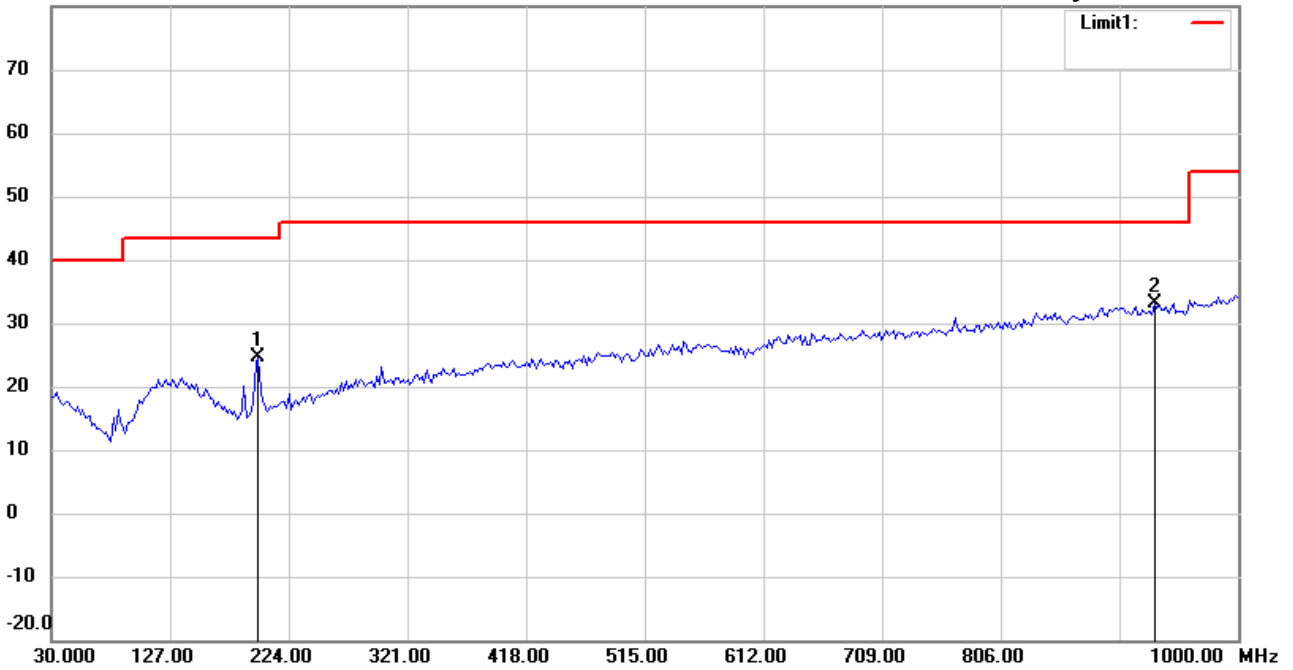
Radiated Emission Measurement

Operator: Allen

File :TX_2402MHz_below 1G Data :#1

Date: 1/19/2019
 Time: 4:33:57 AM

Temperature:15.8 °C
 Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	199.1182	34.93	peak	-10.34	24.59	43.50	100	85	-18.91	
*	931.9638	27.63	peak	5.40	33.03	46.00	100	200	-12.97	



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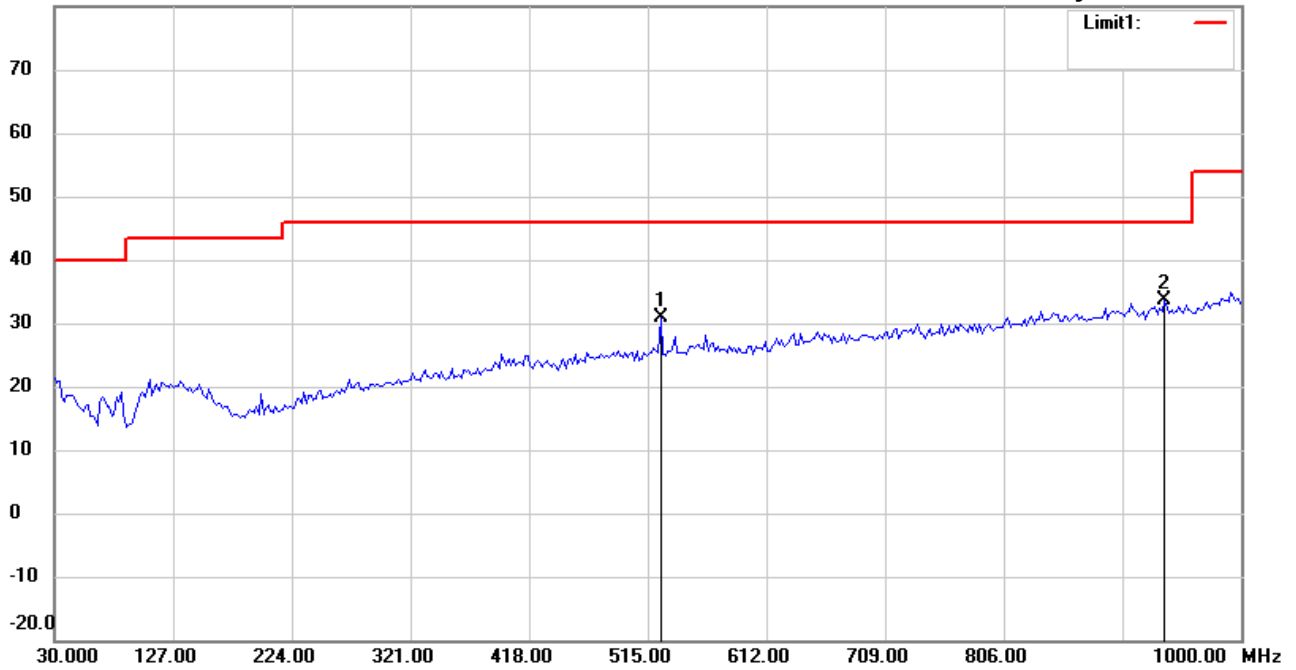
Radiated Emission Measurement

Operator: Allen

File :TX_2402MHz_below 1G Data :#2

Date: 1/19/2019
 Time: 4:34:56 AM

Temperature:15.8 °C
 Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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
	525.6914	32.56	peak	-1.65	30.91	46.00	100	140	-15.09	
*	937.7956	28.18	peak	5.49	33.67	46.00	100	315	-12.33	

*: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 :#1

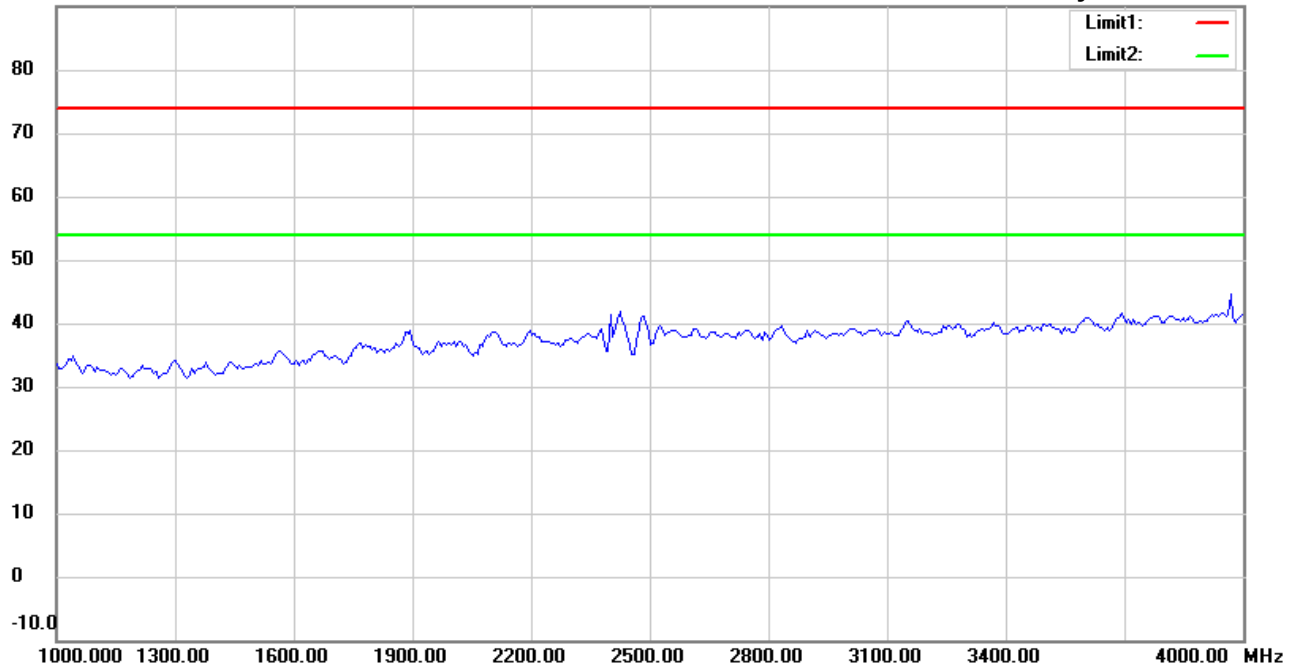
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:23:13 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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 :#6

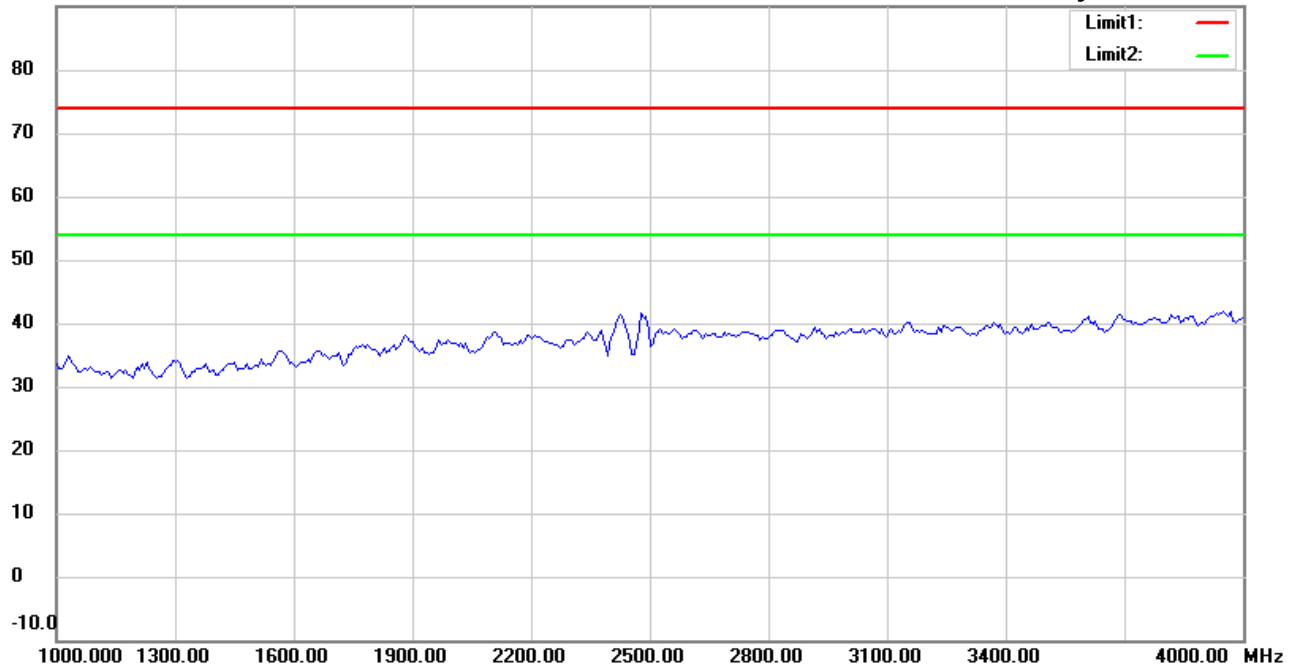
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:26:34 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

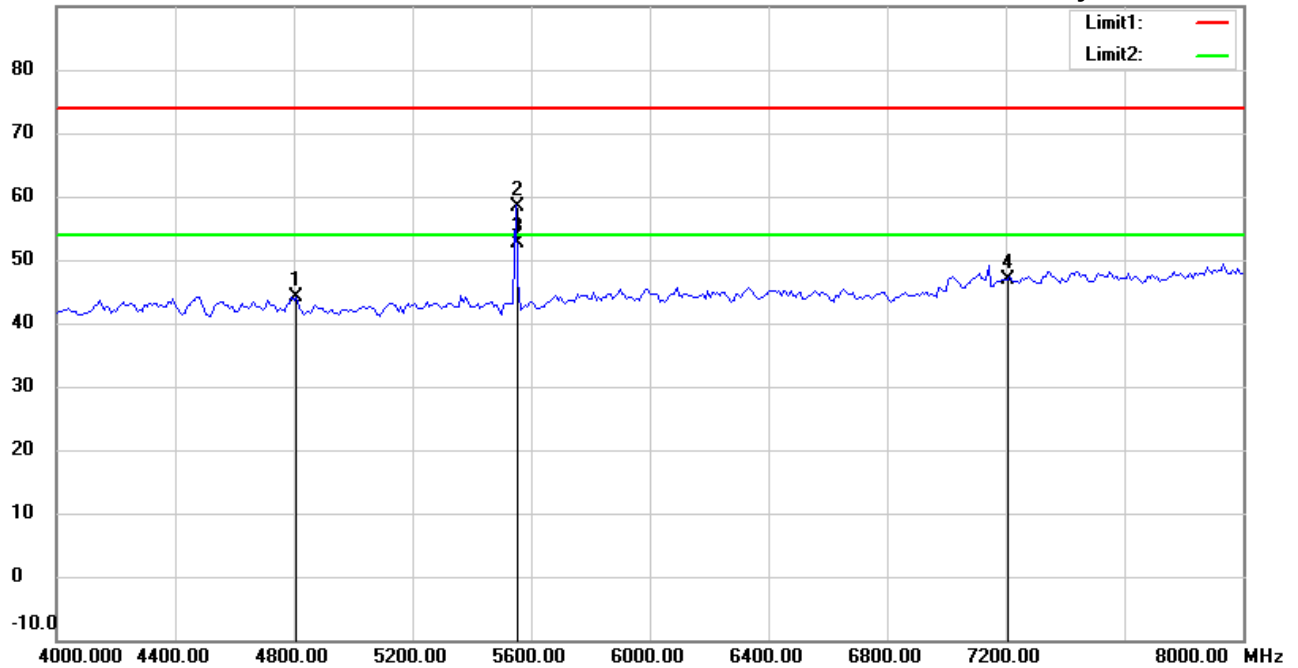
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:24:13 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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	43.28	peak	0.75	44.03	74.00	150	20	-29.97	
	5551.087	56.14	peak	2.34	58.48	74.00	150	190	-15.52	
*	5551.087	50.17	AVG	2.34	52.51	54.00	150	190	-1.49	
	7206.000	41.54	peak	5.38	46.92	74.00	150	300	-27.08	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

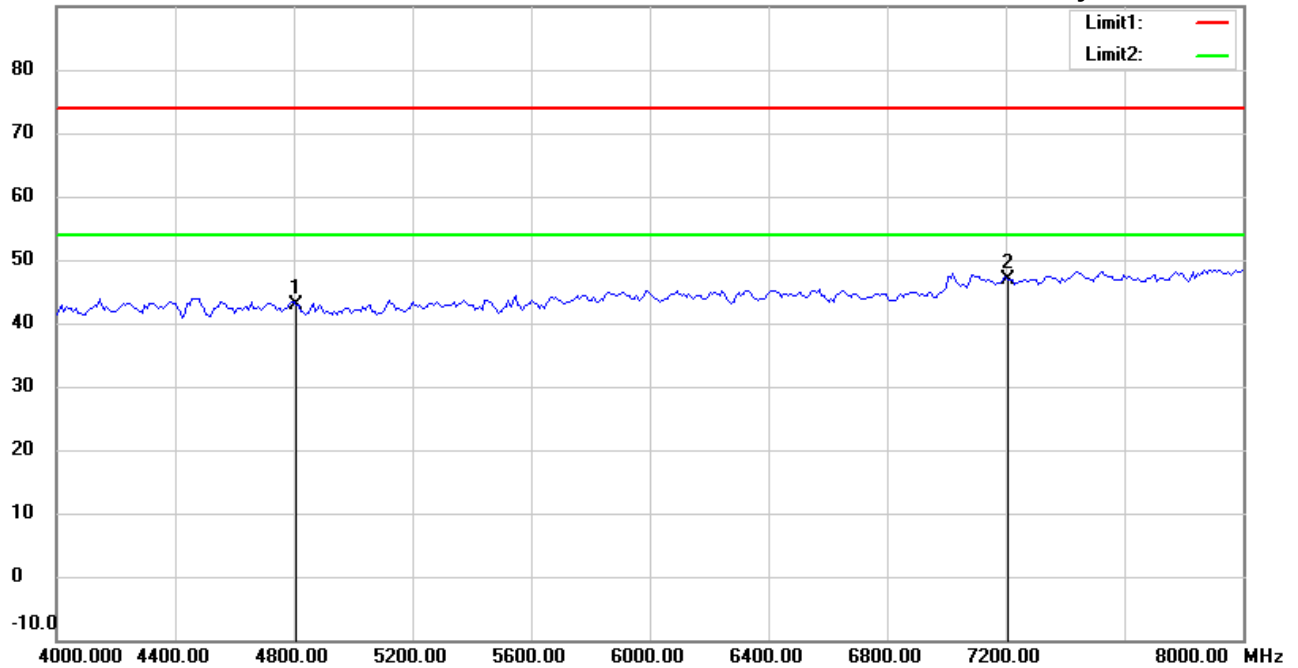
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:27:34 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	42.10	peak	0.75	42.85	74.00	150	150	-31.15	
*	7206.000	41.50	peak	5.38	46.88	74.00	150	70	-27.12	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

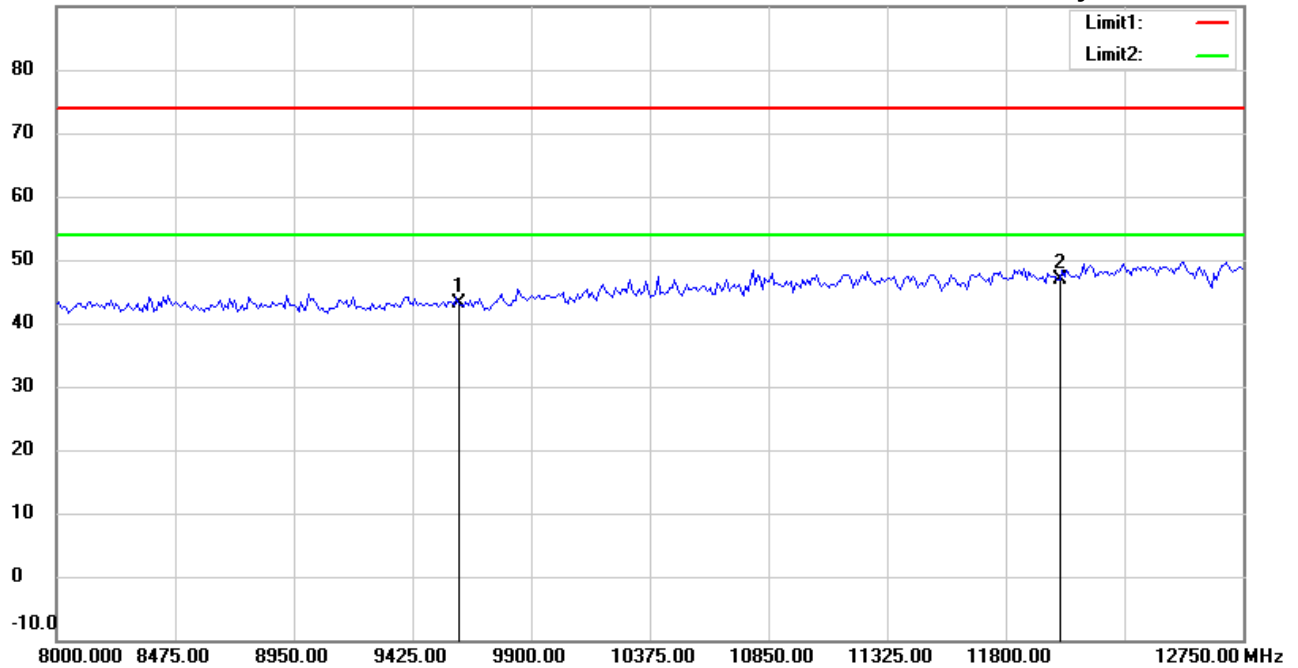
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:24:26 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	34.78	peak	8.25	43.03	74.00	150	125	-30.97	
*	12010.000	33.38	peak	13.50	46.88	74.00	150	240	-27.12	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

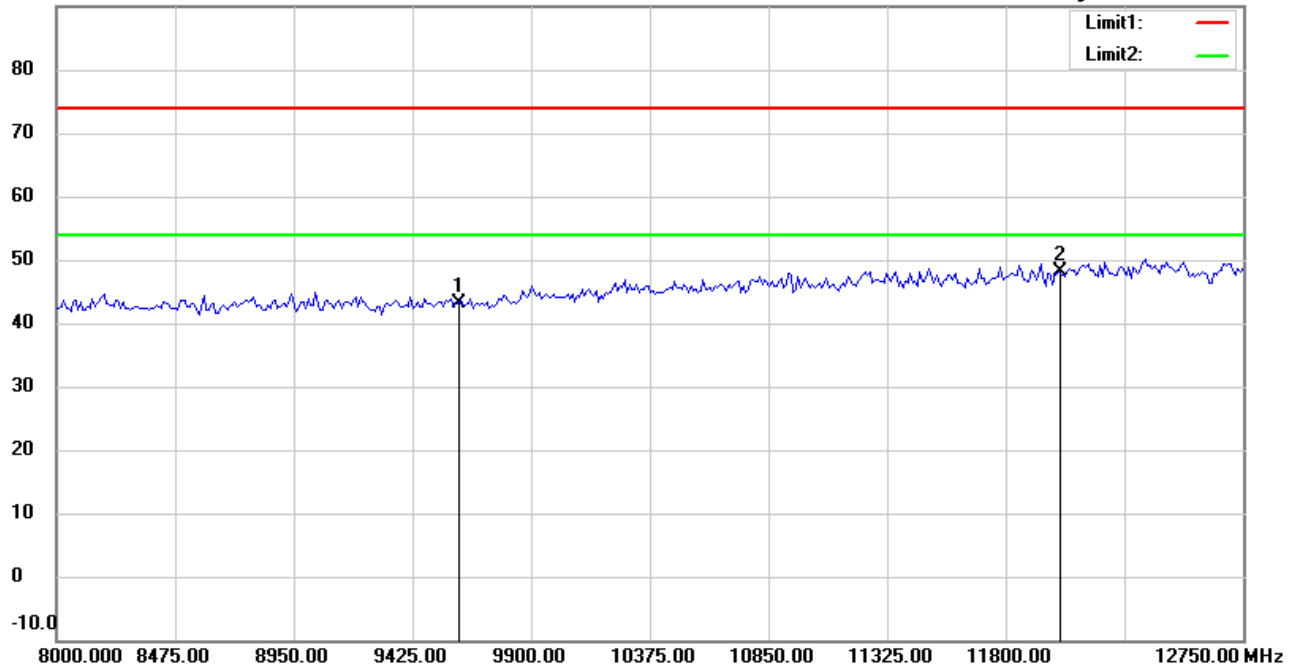
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:27:47 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	34.83	peak	8.25	43.08	74.00	150	340	-30.92	
*	12010.000	34.54	peak	13.50	48.04	74.00	150	55	-25.96	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

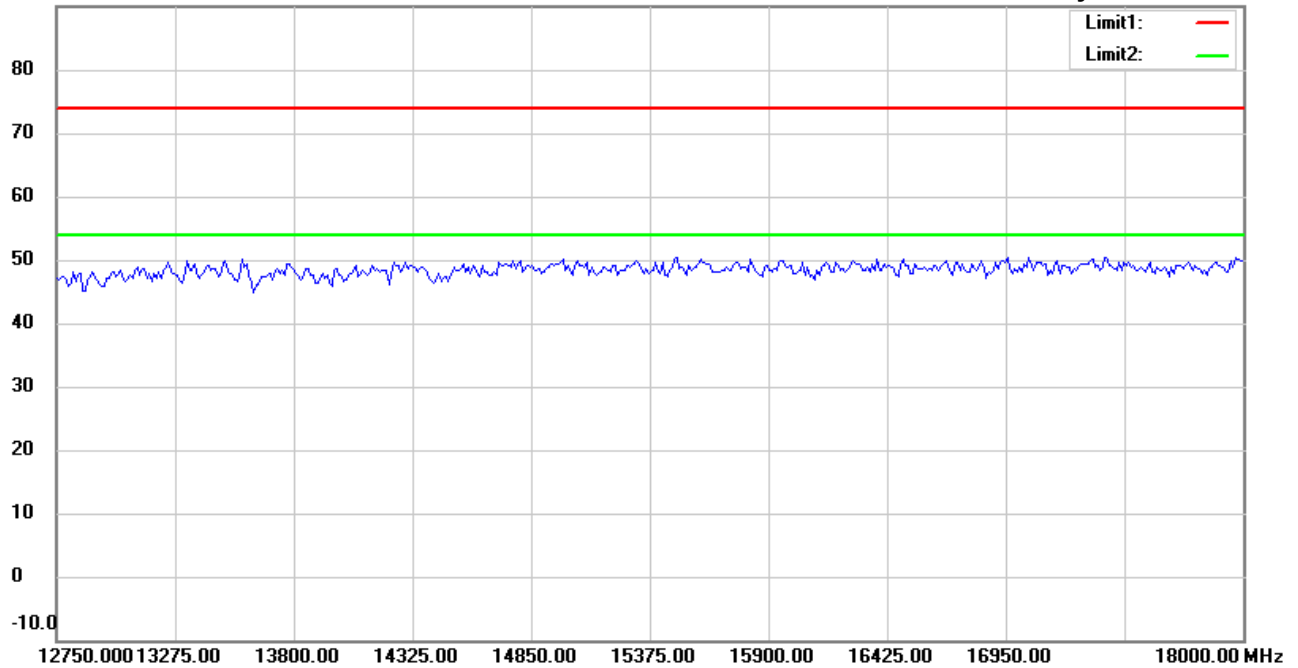
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:25:24 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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

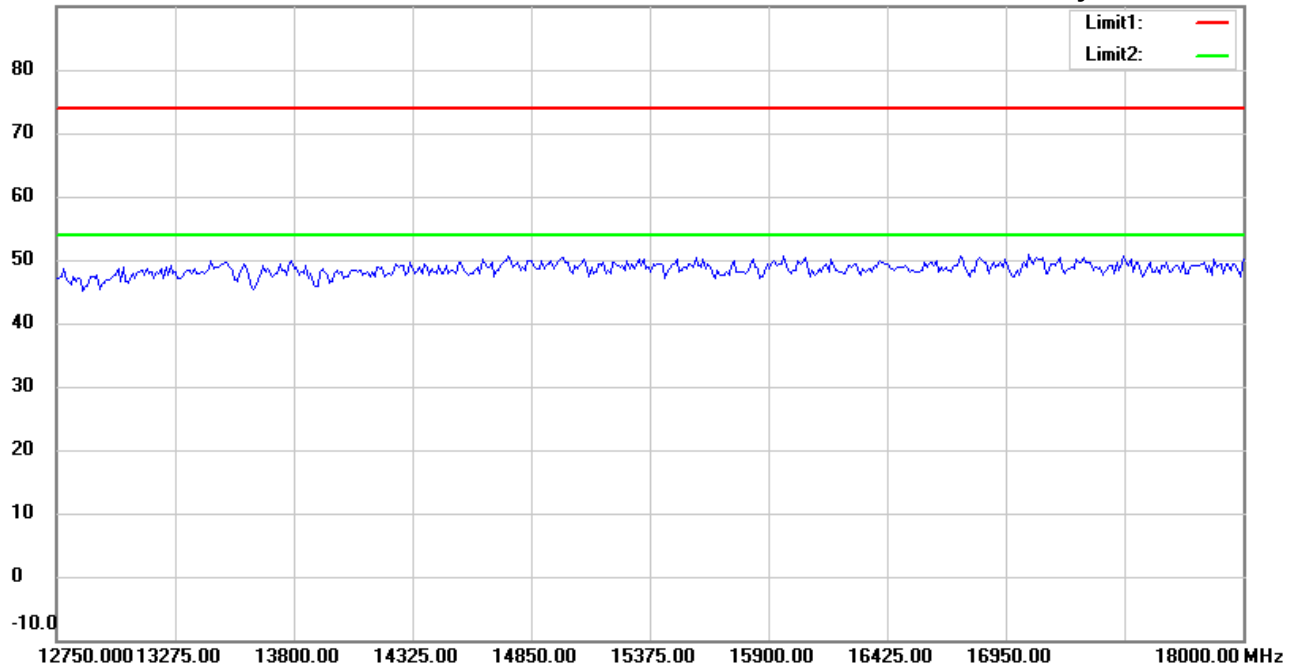
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:28:49 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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

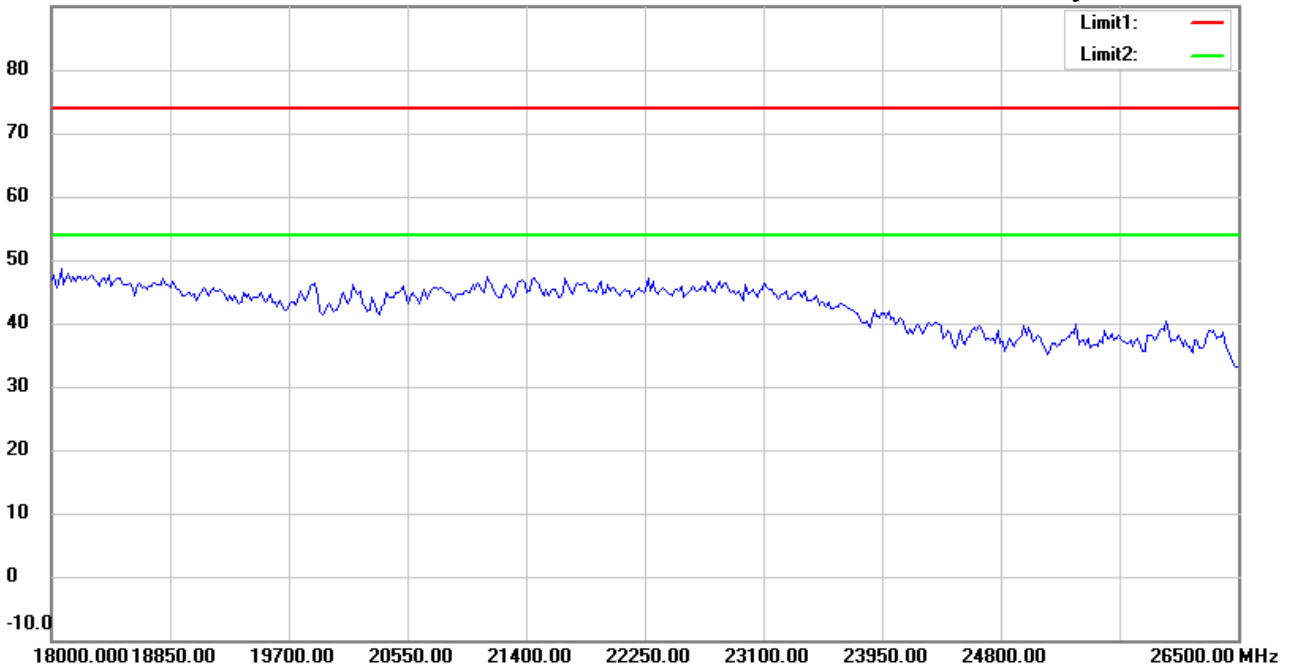
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:25:33 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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 :#10

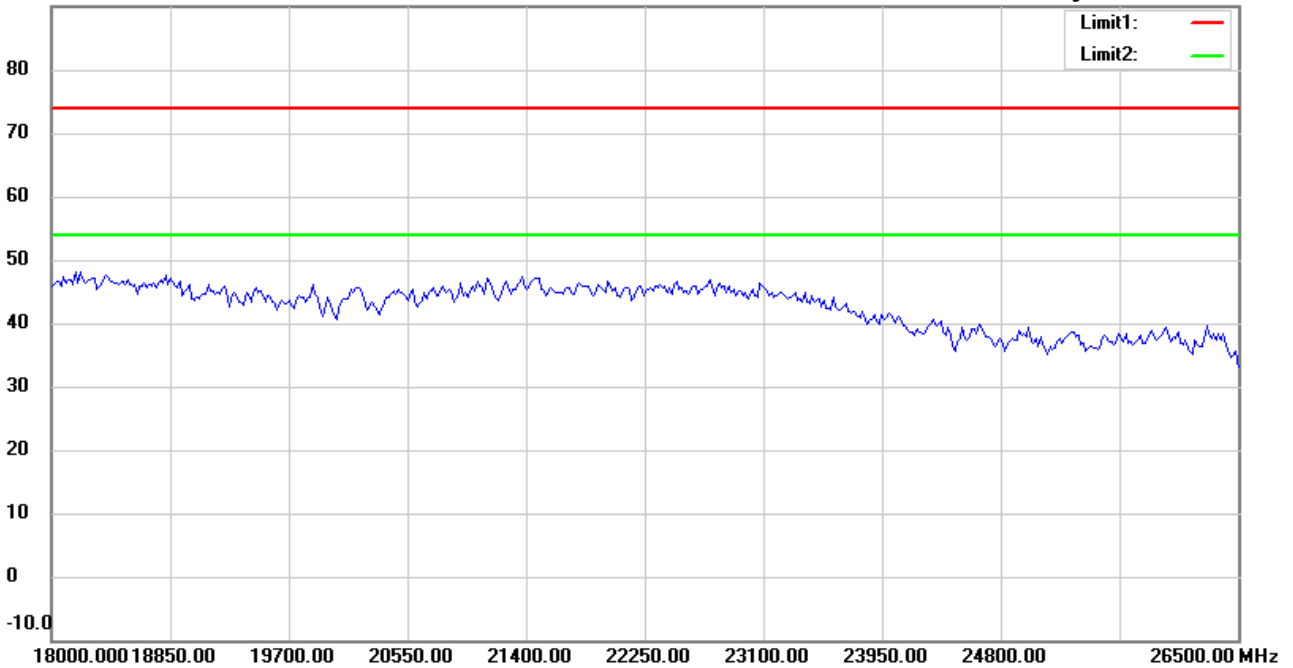
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:28:59 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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

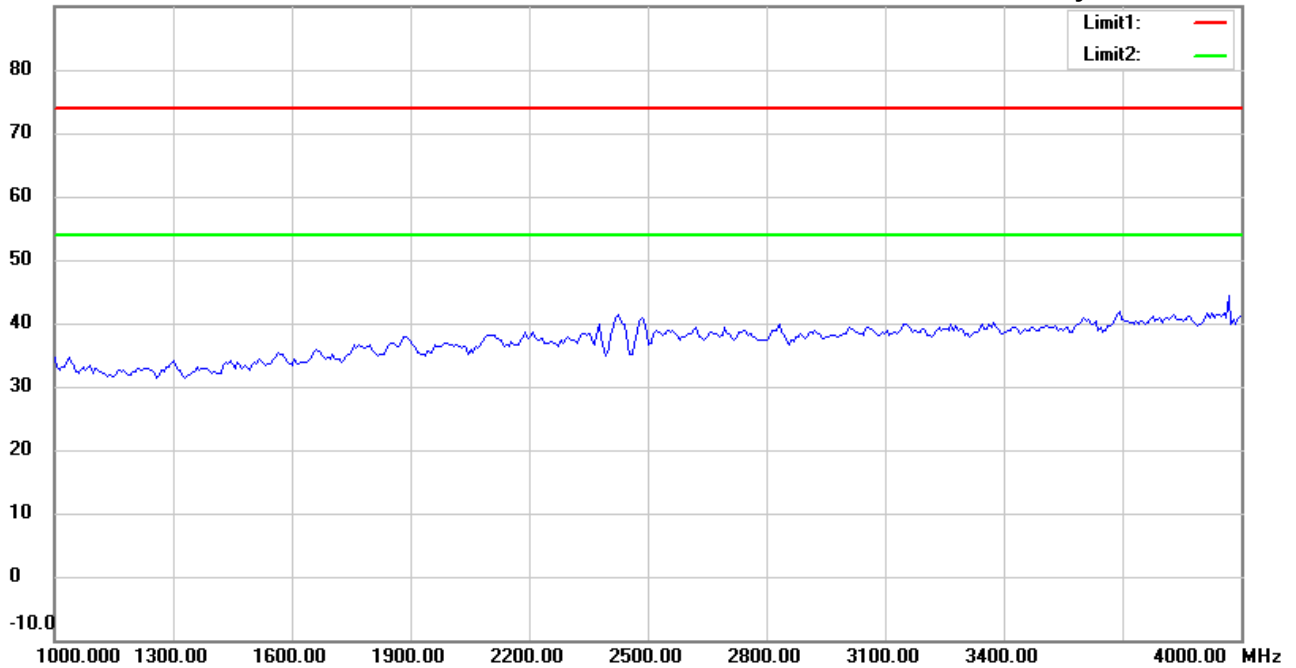
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:41:37 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

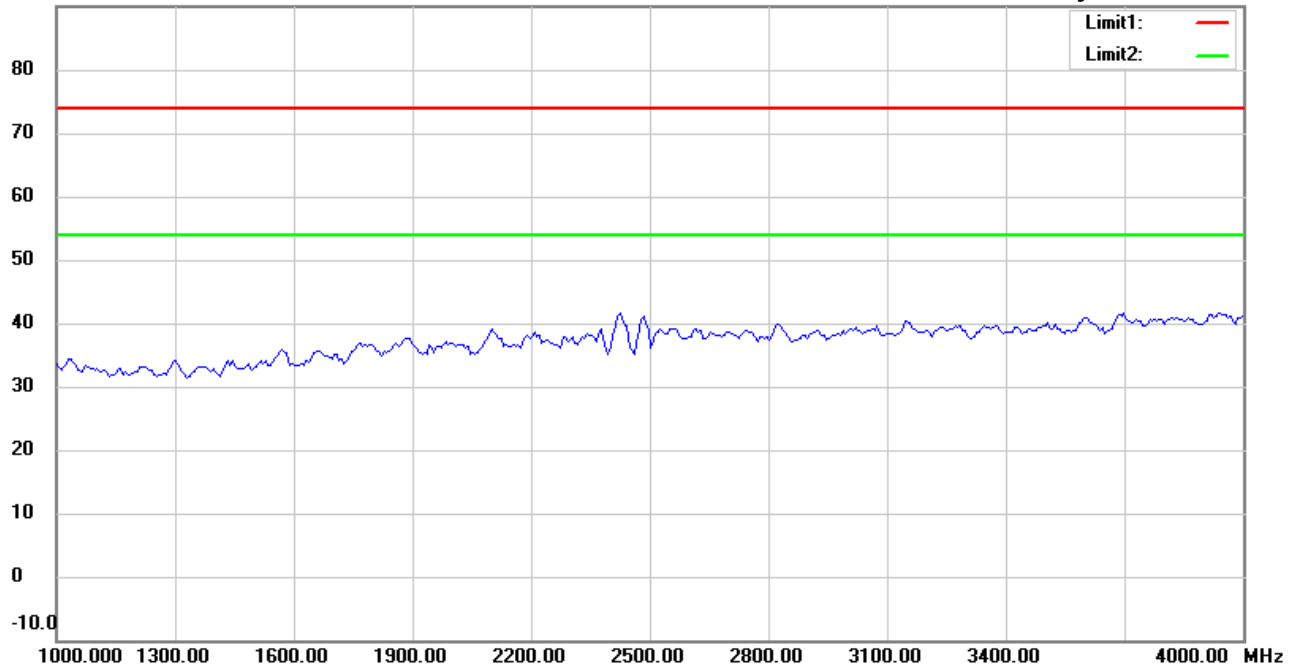
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:44:58 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

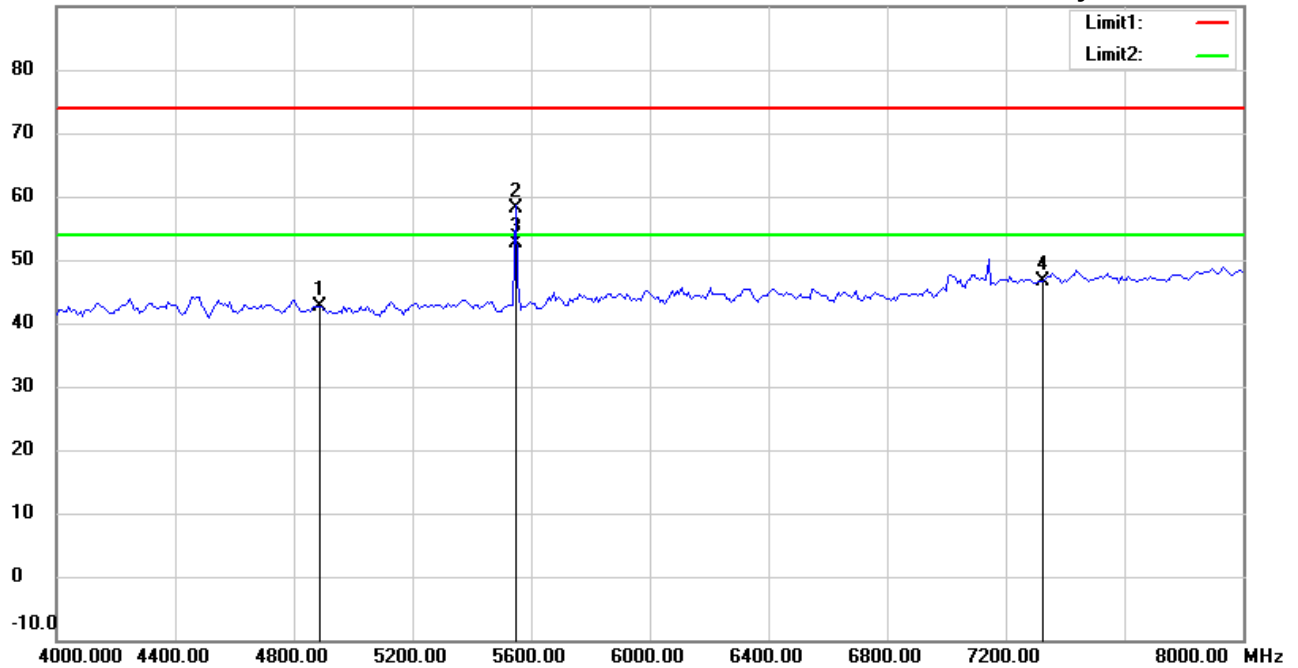
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:42:37 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	41.85	peak	0.68	42.53	74.00	150	360	-31.47	
	5547.094	55.88	peak	2.33	58.21	74.00	150	175	-15.79	
*	5547.094	50.19	AVG	2.33	52.52	54.00	150	175	-1.48	
	7323.000	41.09	peak	5.64	46.73	74.00	150	145	-27.27	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

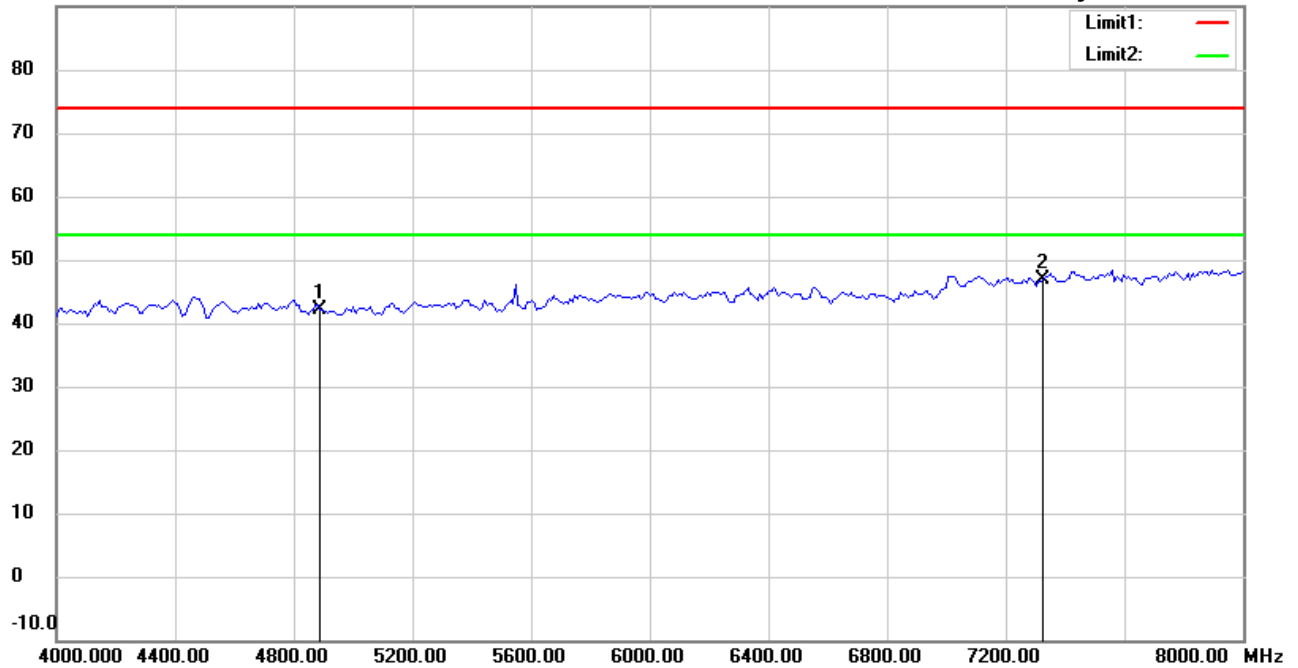
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:45:58 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: **Vertical**

Power : 120 Va.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
	4882.000	41.47	peak	0.68	42.15	74.00	150	280	-31.85	
*	7323.000	41.27	peak	5.64	46.91	74.00	150	225	-27.09	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

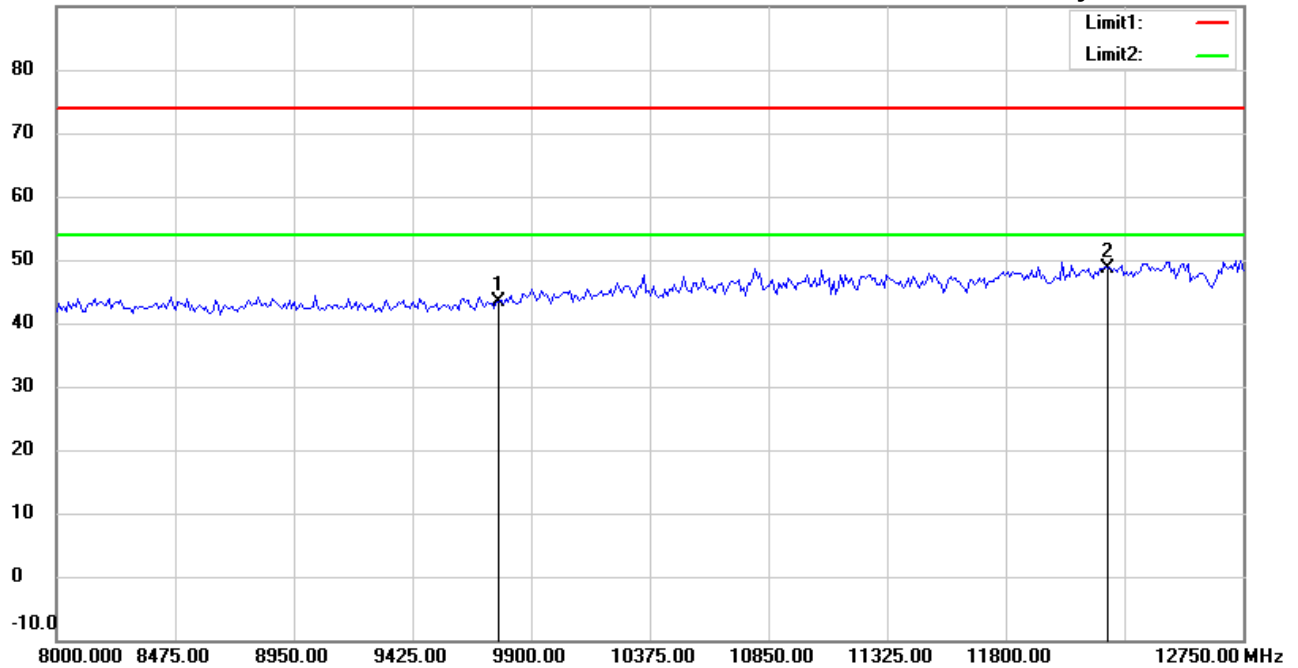
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:42:50 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	9764.000	34.64	peak	8.66	43.30	74.00	150	200	-30.70	
*	12205.000	33.48	peak	15.20	48.68	74.00	150	45	-25.32	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

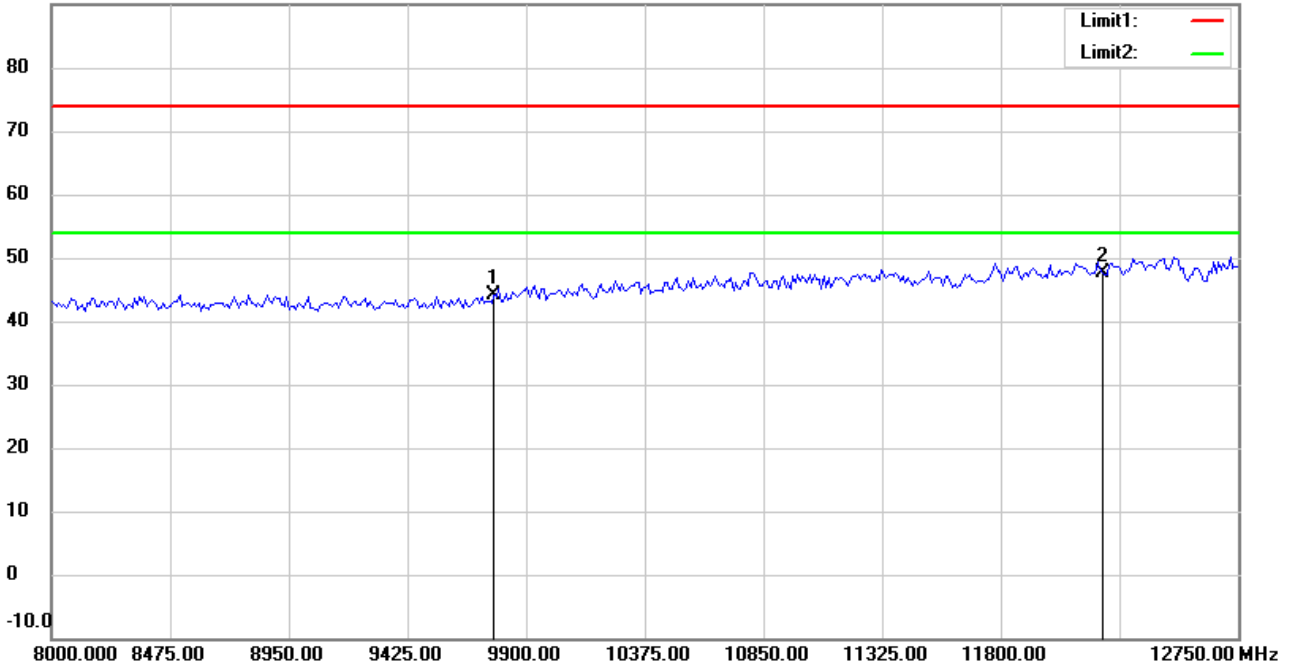
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:46:11 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	35.48	peak	8.66	44.14	74.00	150	30	-29.86	
*	12205.000	32.40	peak	15.20	47.60	74.00	150	175	-26.40	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

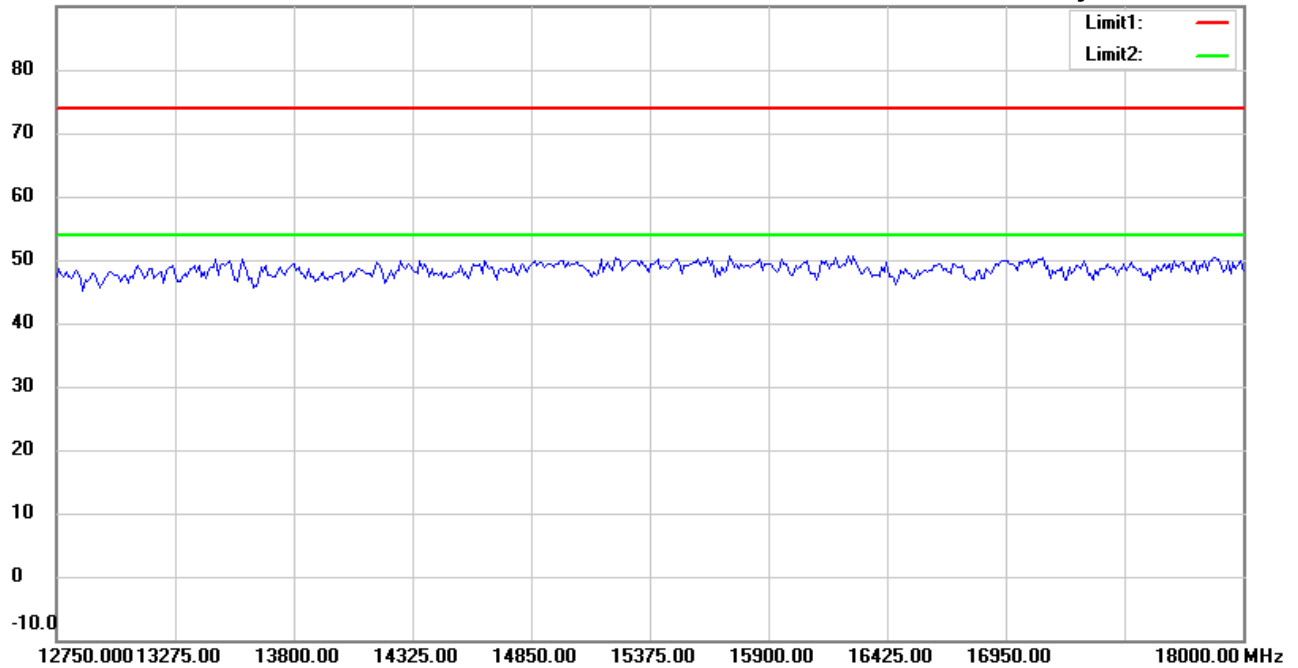
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:43:48 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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 :#9

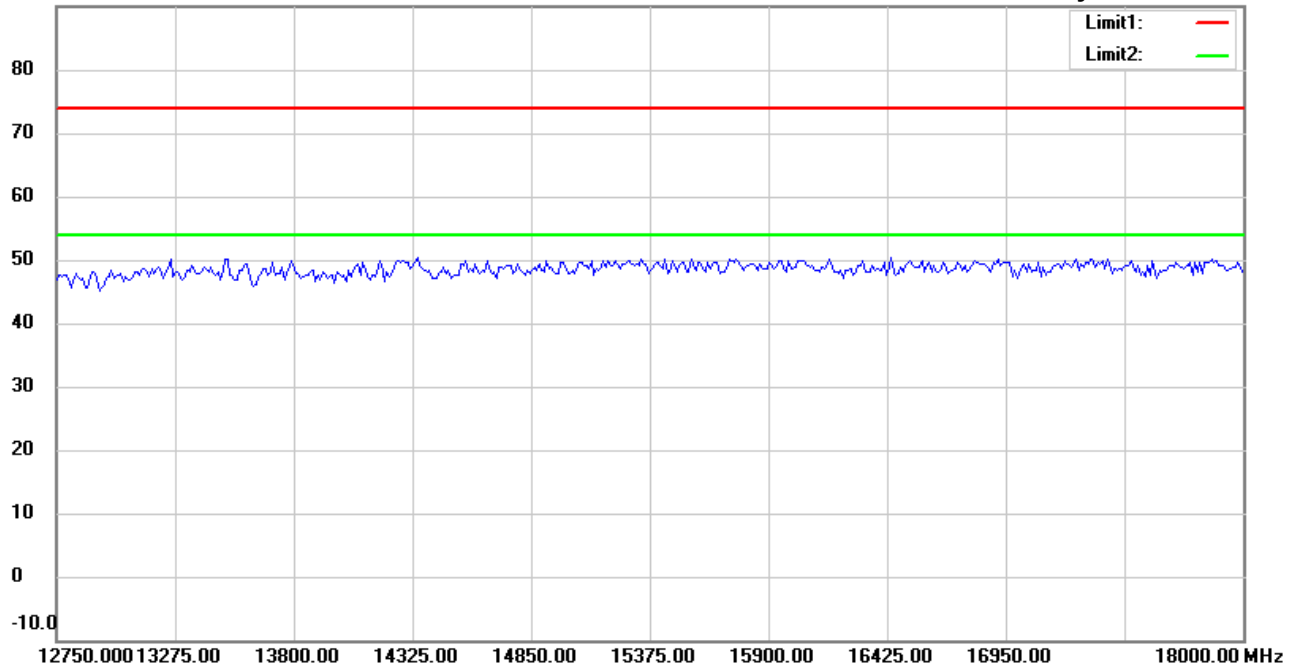
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:47:13 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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

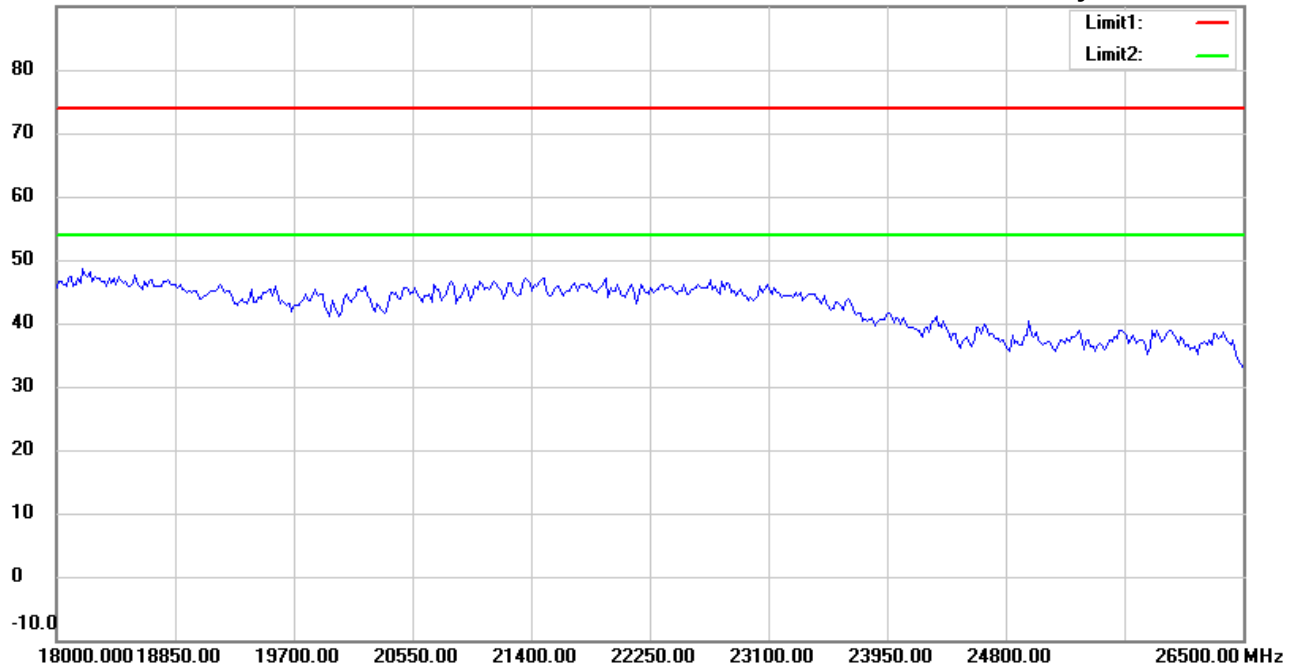
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:43:58 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

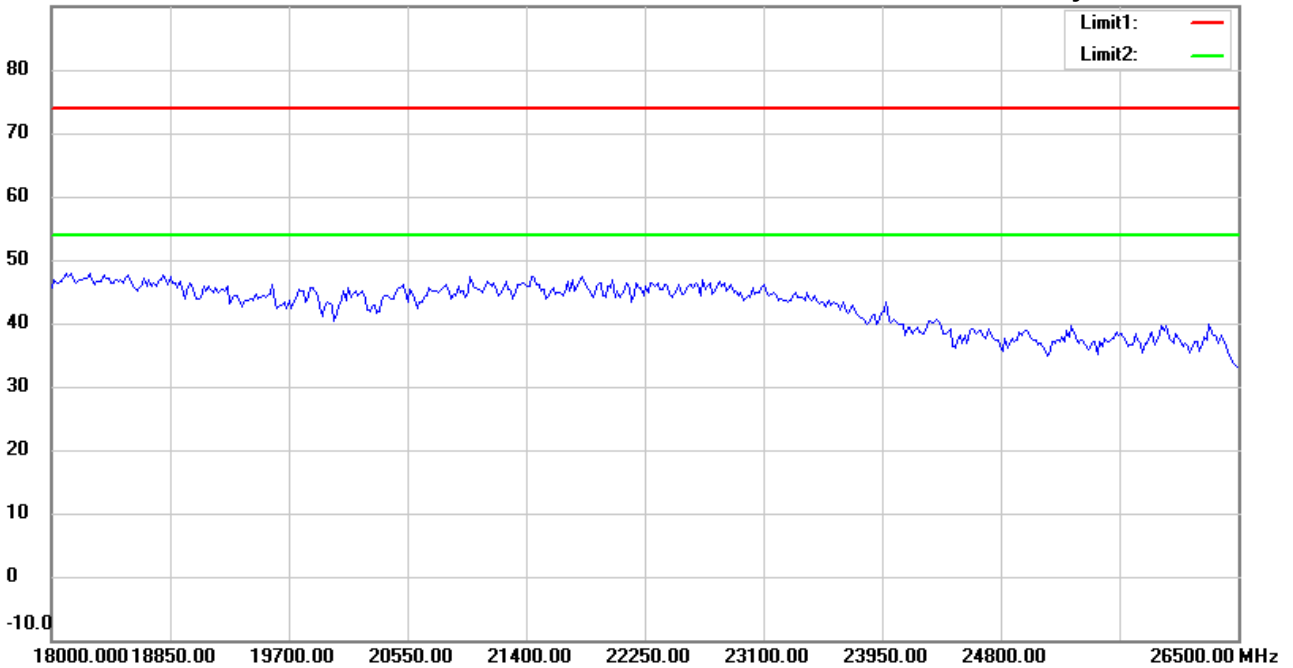
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:47:23 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

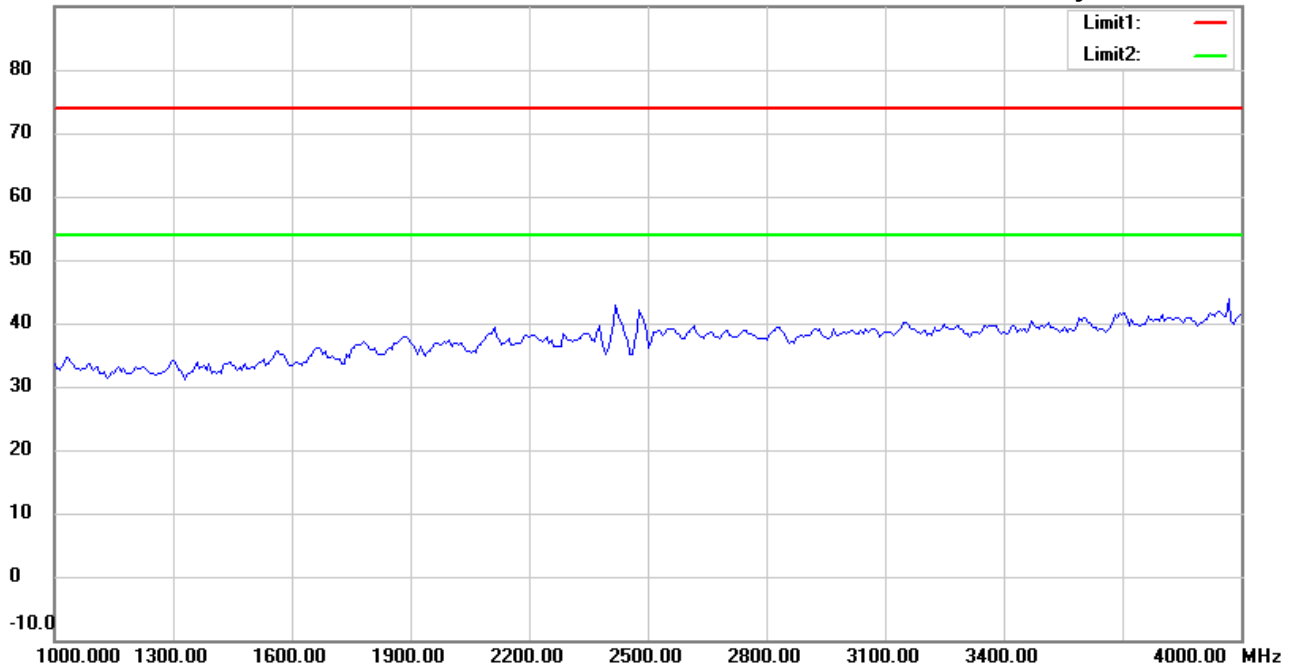
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:56:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

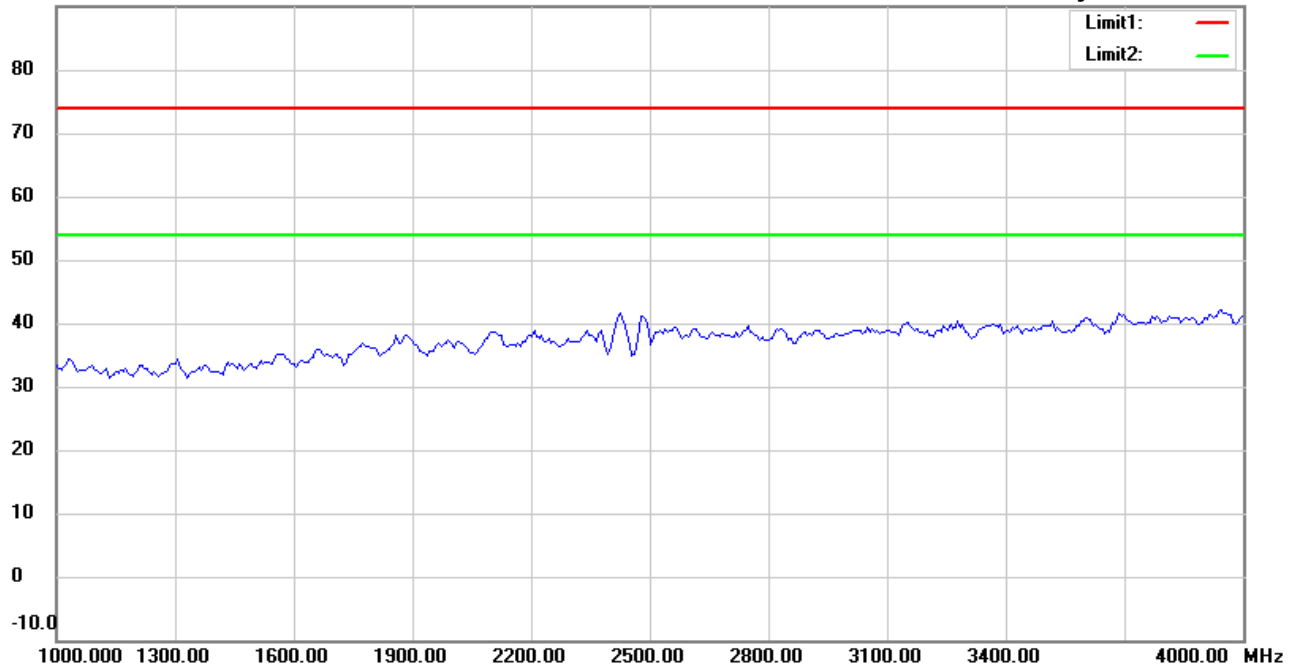
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 4:00:12 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

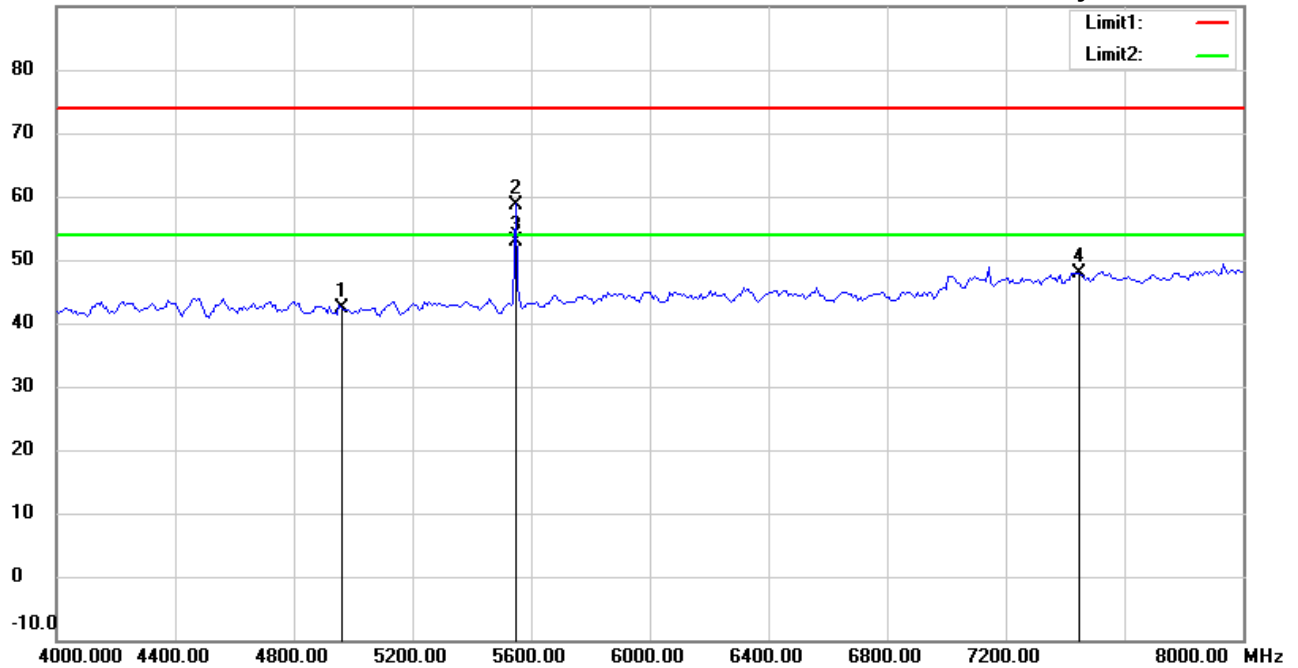
Date: 1/19/2019

Temperature: 15.8 °C

90.0 dBuV/m

Time: 3:57:51 AM

Humidity: 69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	41.53	peak	0.77	42.30	74.00	150	50	-31.70	
	5547.094	56.37	peak	2.33	58.70	74.00	150	245	-15.30	
*	5547.094	50.66	AVG	2.33	52.99	54.00	150	245	-1.01	
	7440.000	41.96	peak	5.99	47.95	74.00	150	165	-26.05	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

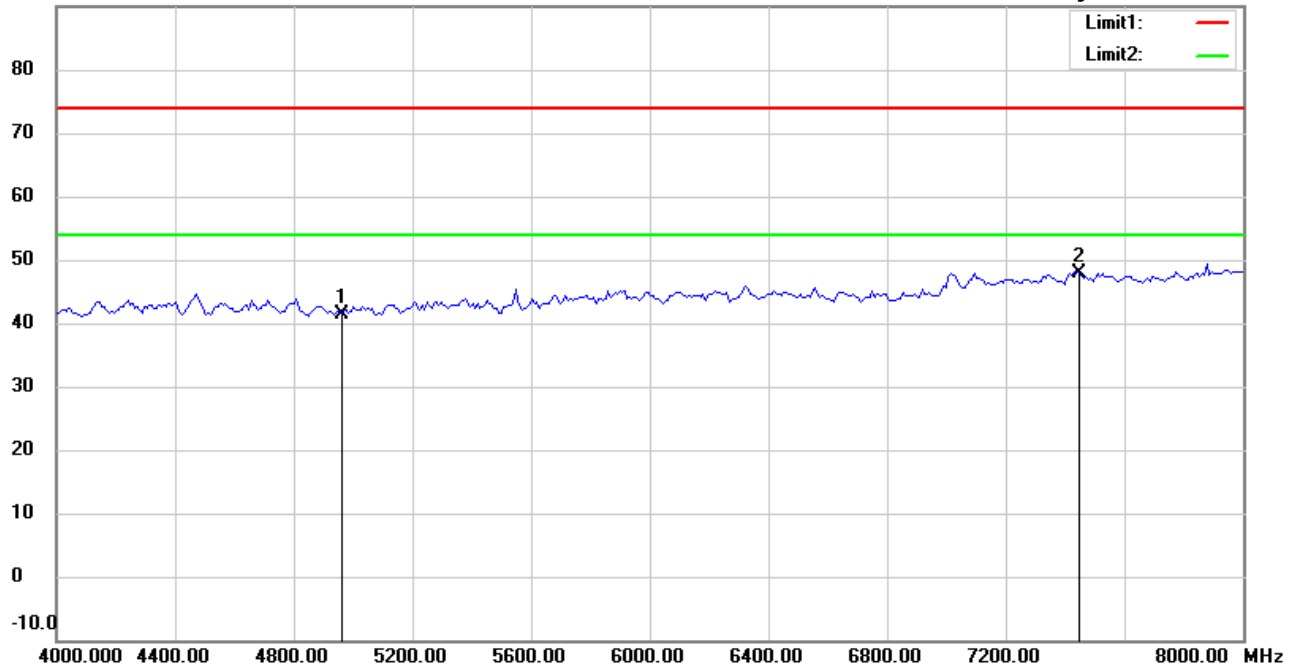
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 4:01:12 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 120 Va.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	0.77	41.40	74.00	150	40	-32.60	
*	7440.000	41.82	peak	5.99	47.81	74.00	150	85	-26.19	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

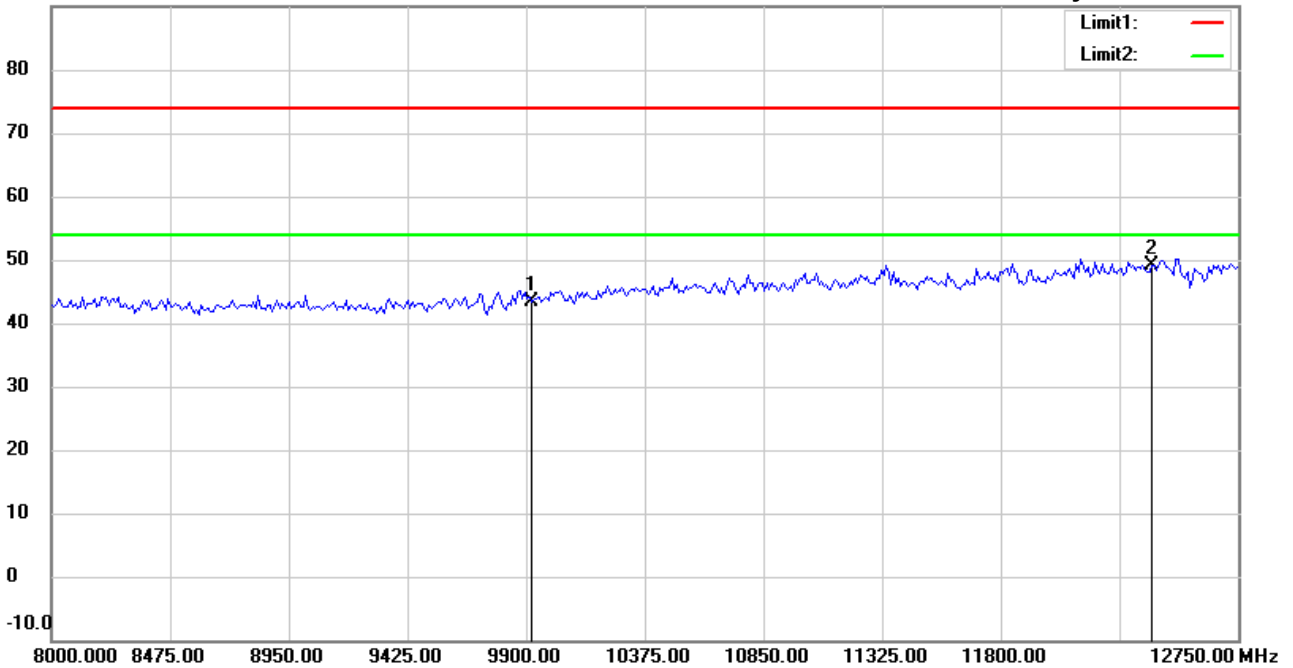
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:58:04 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	33.72	peak	9.70	43.42	74.00	150	270	-30.58	
*	12400.000	33.42	peak	15.76	49.18	74.00	150	85	-24.82	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

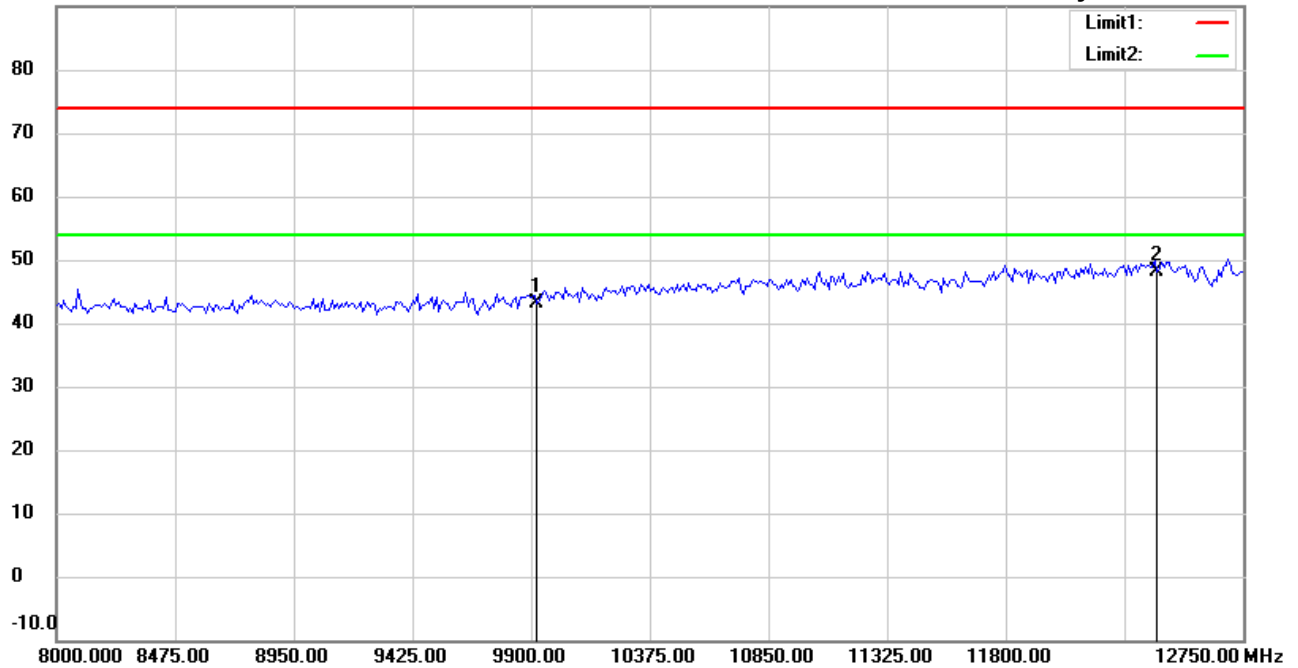
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 4:01:25 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	33.48	peak	9.70	43.18	74.00	150	230	-30.82	
*	12400.000	32.49	peak	15.76	48.25	74.00	150	135	-25.75	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

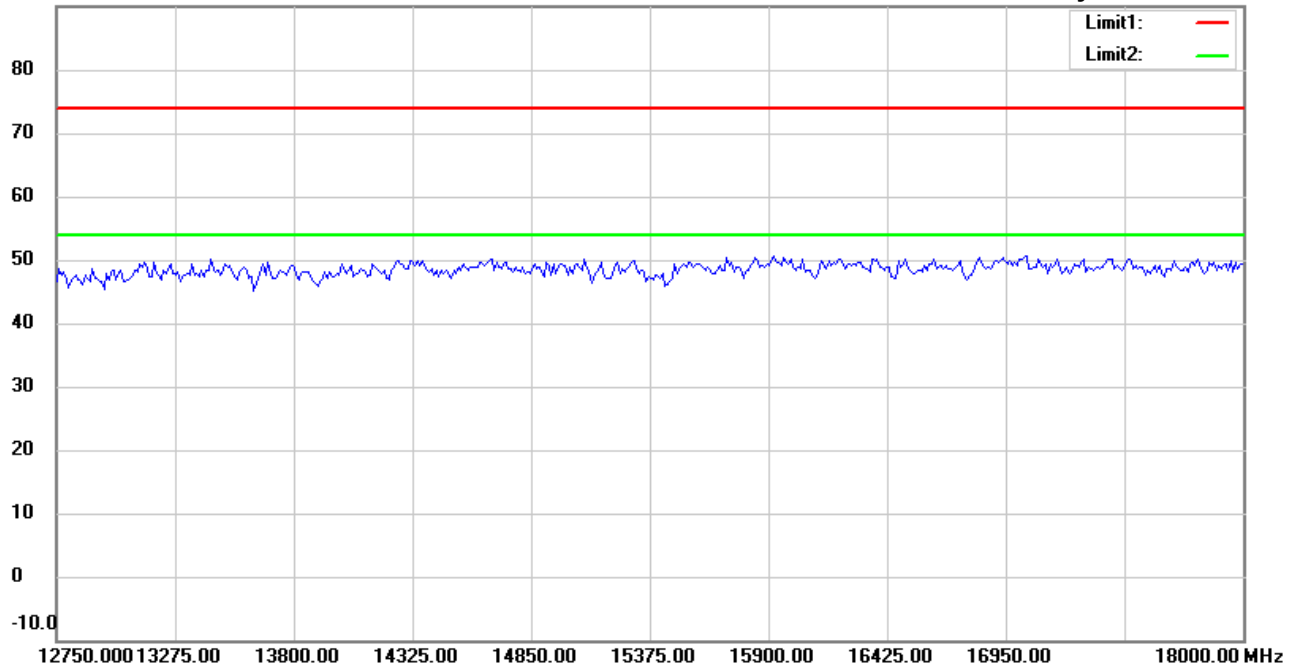
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:59:02 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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

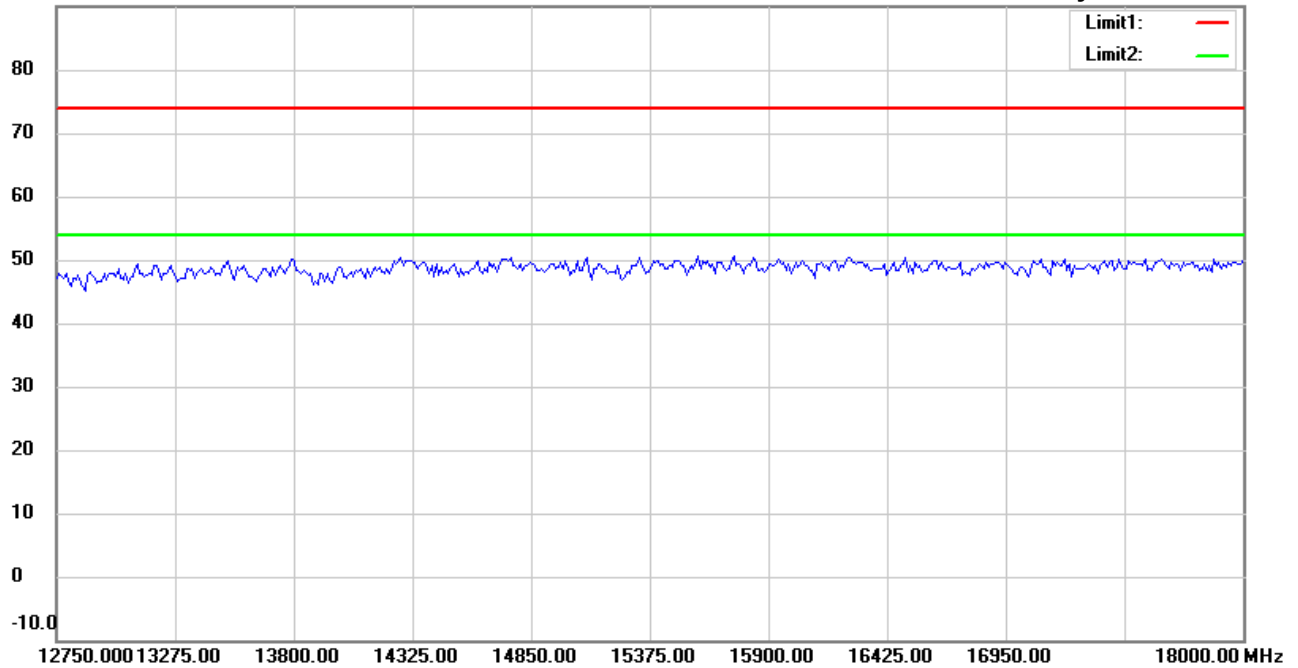
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 4:02:27 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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 :#5

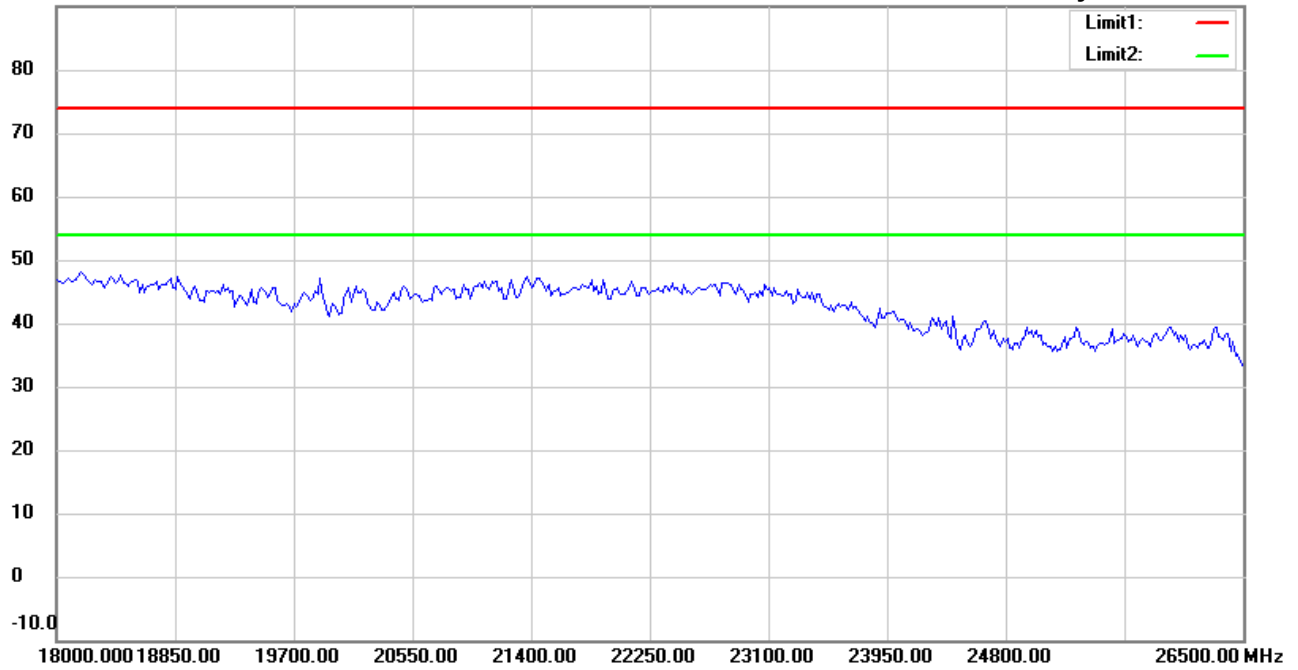
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 3:59:12 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

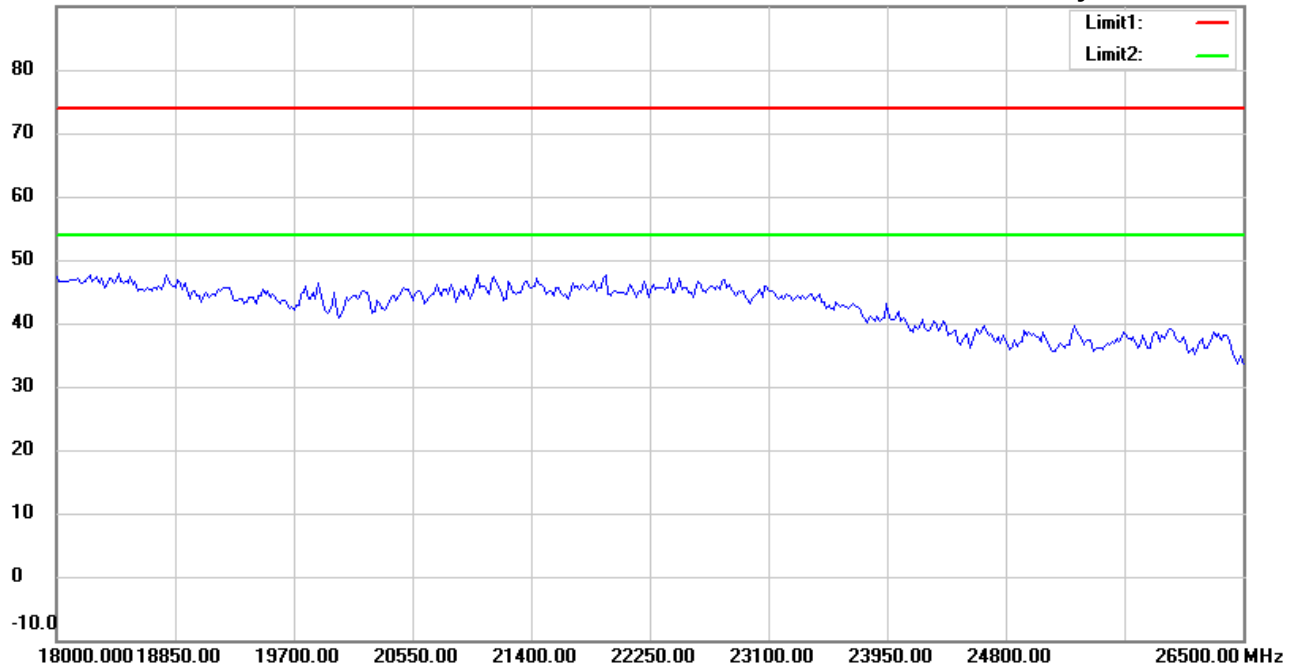
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 4:02:37 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



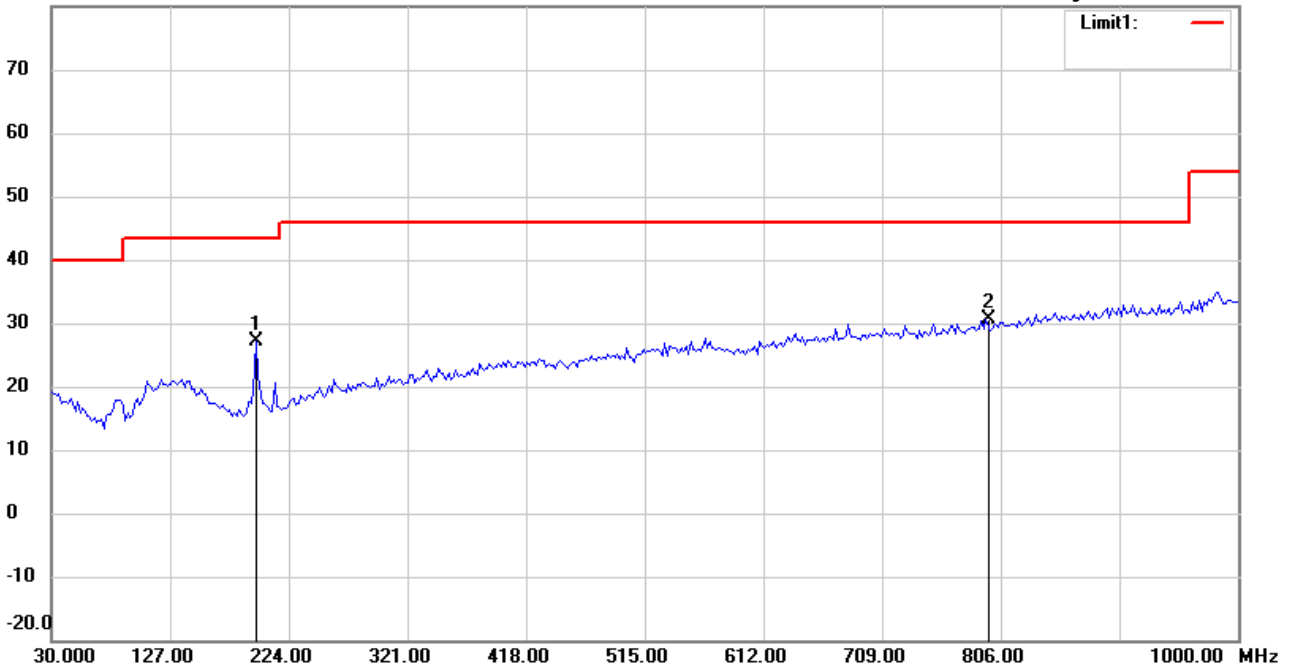
Radiated Emission Measurement

Operator: Allen

File :TX_2402MHz_below 1G Data :#1

Date: 1/19/2019
 Time: 5:08:11 AM

Temperature:15.8 °C
 Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	197.1741	37.43	peak	-10.42	27.01	43.50	100	65	-16.49	
*	793.9480	28.28	peak	2.47	30.75	46.00	100	110	-15.25	



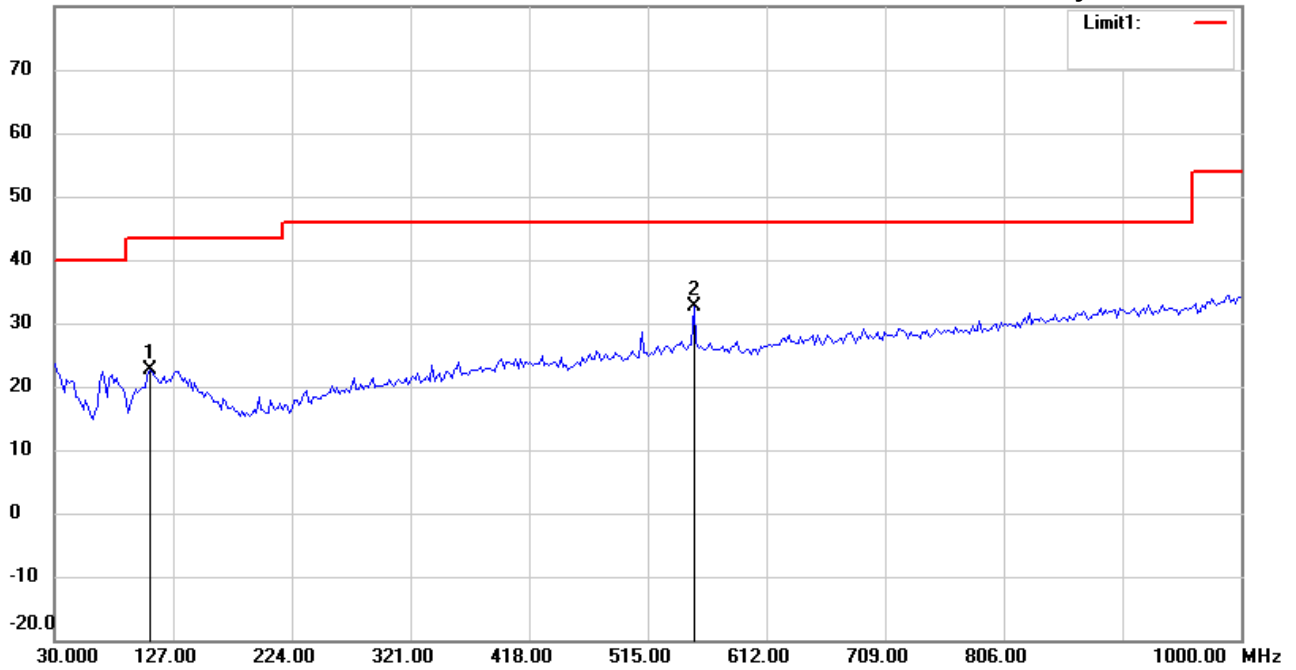
Radiated Emission Measurement

Operator: Allen

File :TX_2402MHz_below 1G Data :#2

Date: 1/19/2019
 Time: 5:09:10 AM

Temperature:15.8 °C
 Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 120 Va.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
	107.7555	30.51	peak	-7.96	22.55	43.50	100	40	-20.95	
*	552.9058	33.70	peak	-1.16	32.54	46.00	100	175	-13.46	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

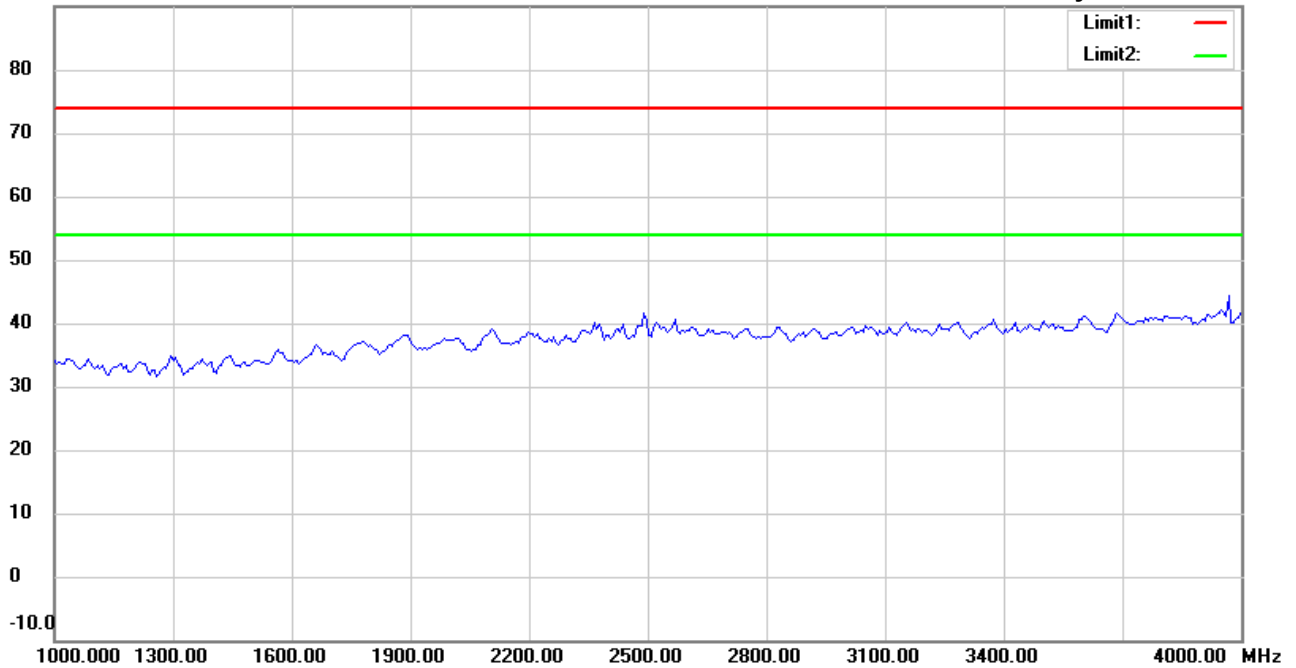
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:33:31 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

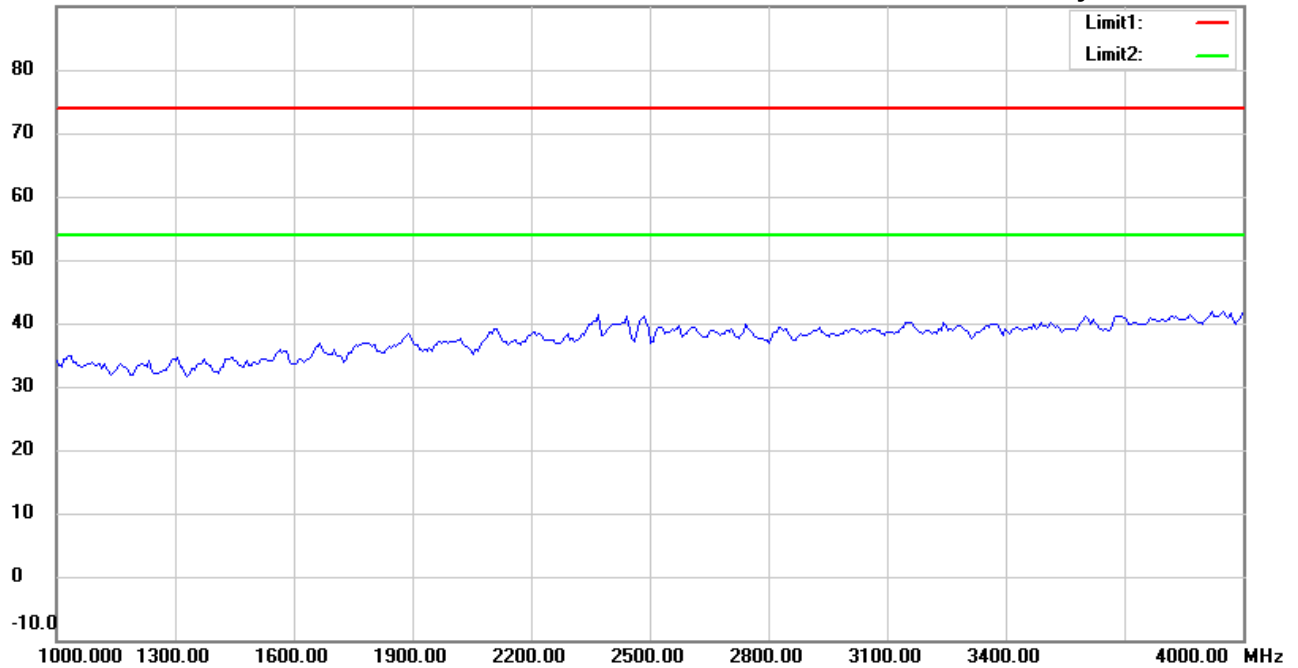
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:37:01 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

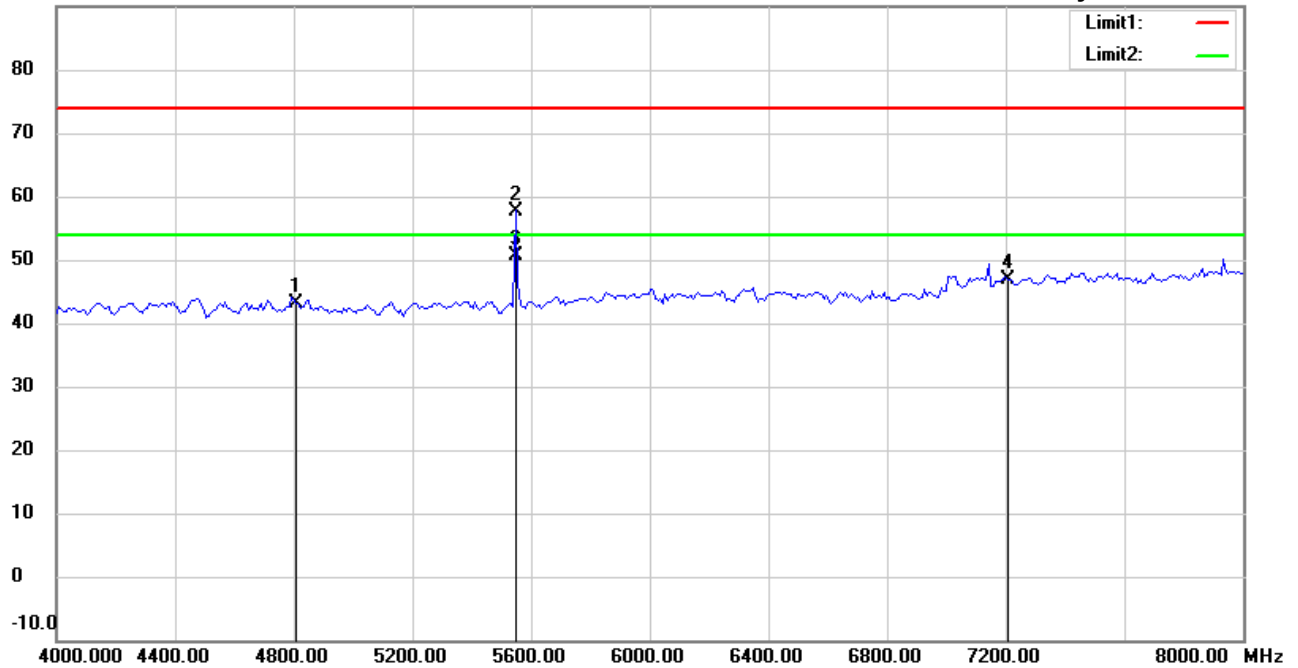
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:34:31 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.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	42.44	peak	0.75	43.19	74.00	150	150	-30.81	
	5547.094	55.29	peak	2.33	57.62	74.00	150	220	-16.38	
*	5547.094	48.34	AVG	2.33	50.67	54.00	150	220	-3.33	
	7206.000	41.51	peak	5.38	46.89	74.00	150	310	-27.11	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

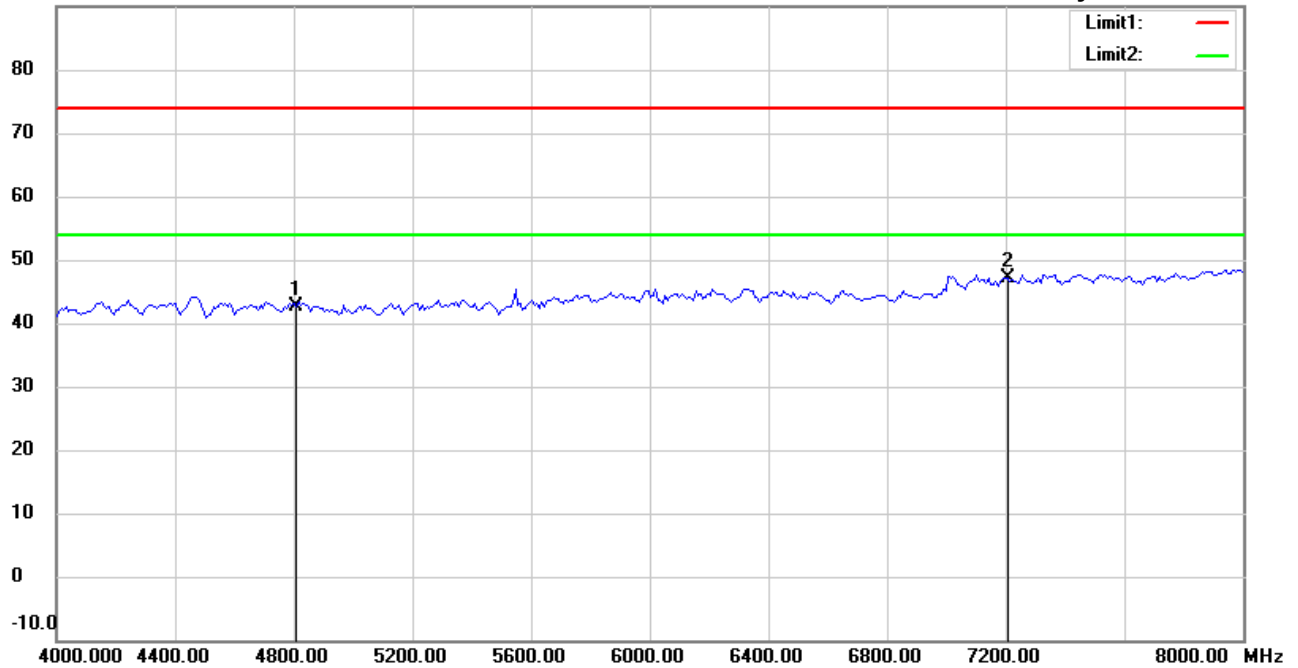
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:38:02 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	41.97	peak	0.75	42.72	74.00	150	80	-31.28	
*	7206.000	41.63	peak	5.38	47.01	74.00	150	250	-26.99	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

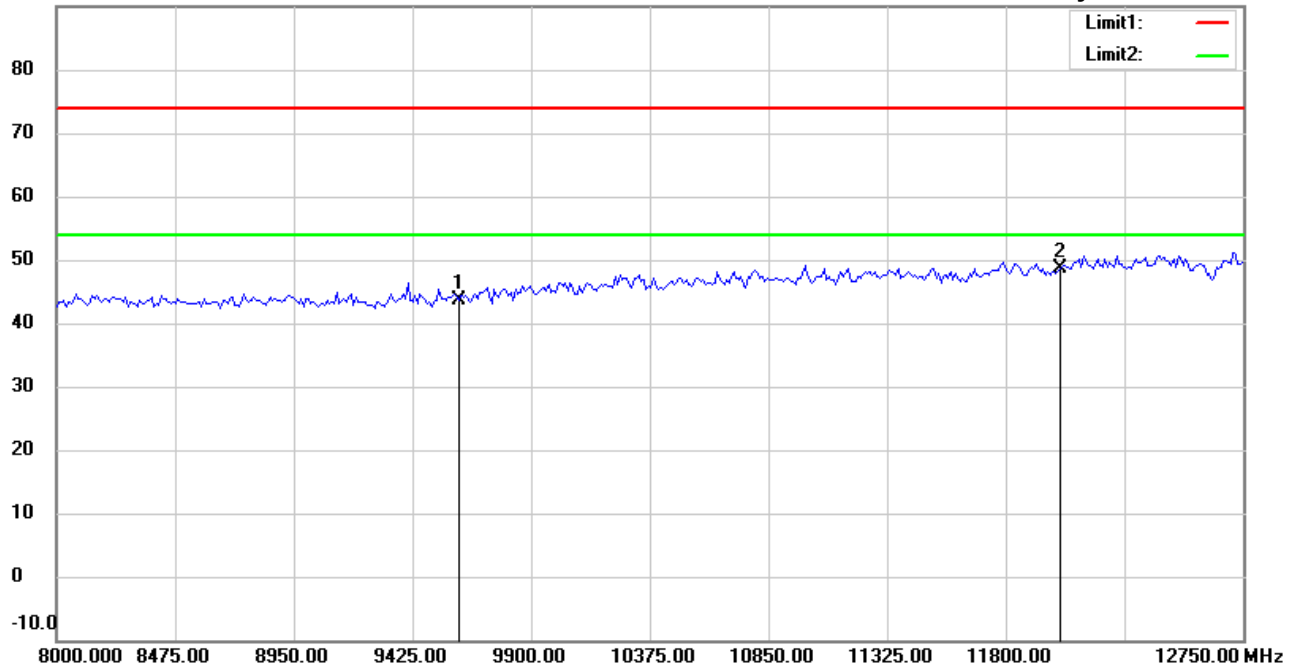
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:35:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	35.26	peak	8.25	43.51	74.00	150	50	-30.49	
*	12010.000	35.08	peak	13.50	48.58	74.00	150	110	-25.42	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

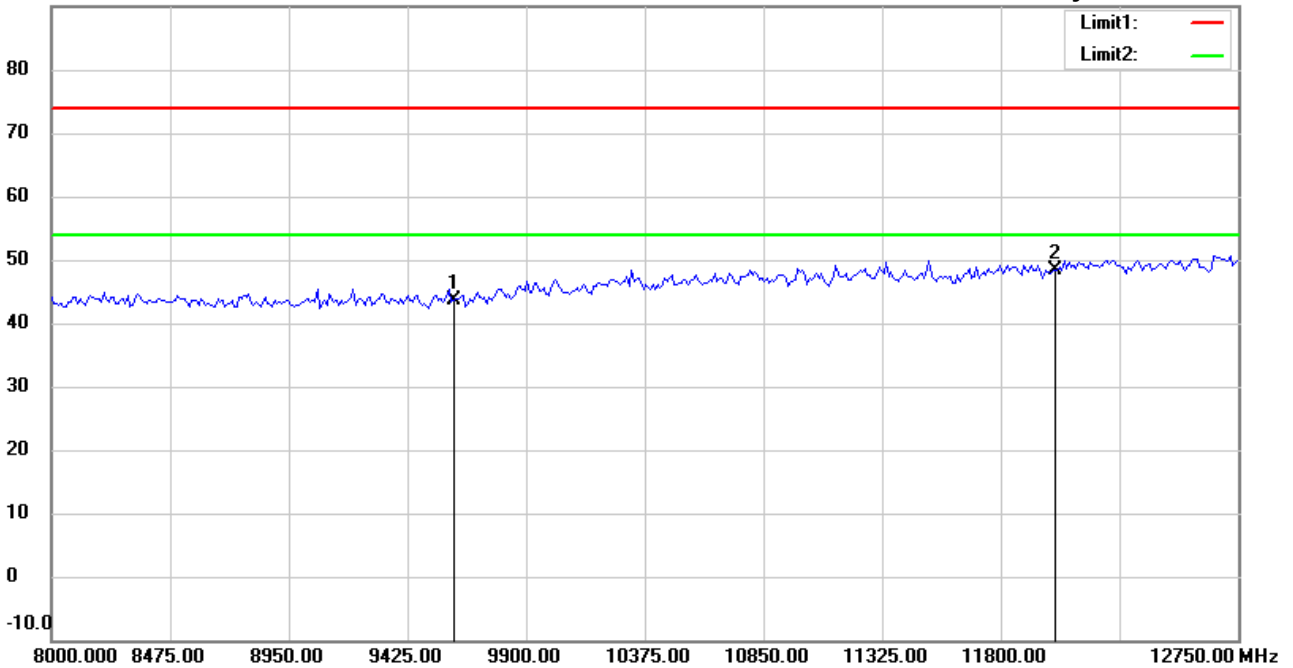
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:02 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	35.34	peak	8.25	43.59	74.00	150	220	-30.41	
*	12010.000	34.83	peak	13.50	48.33	74.00	150	80	-25.67	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

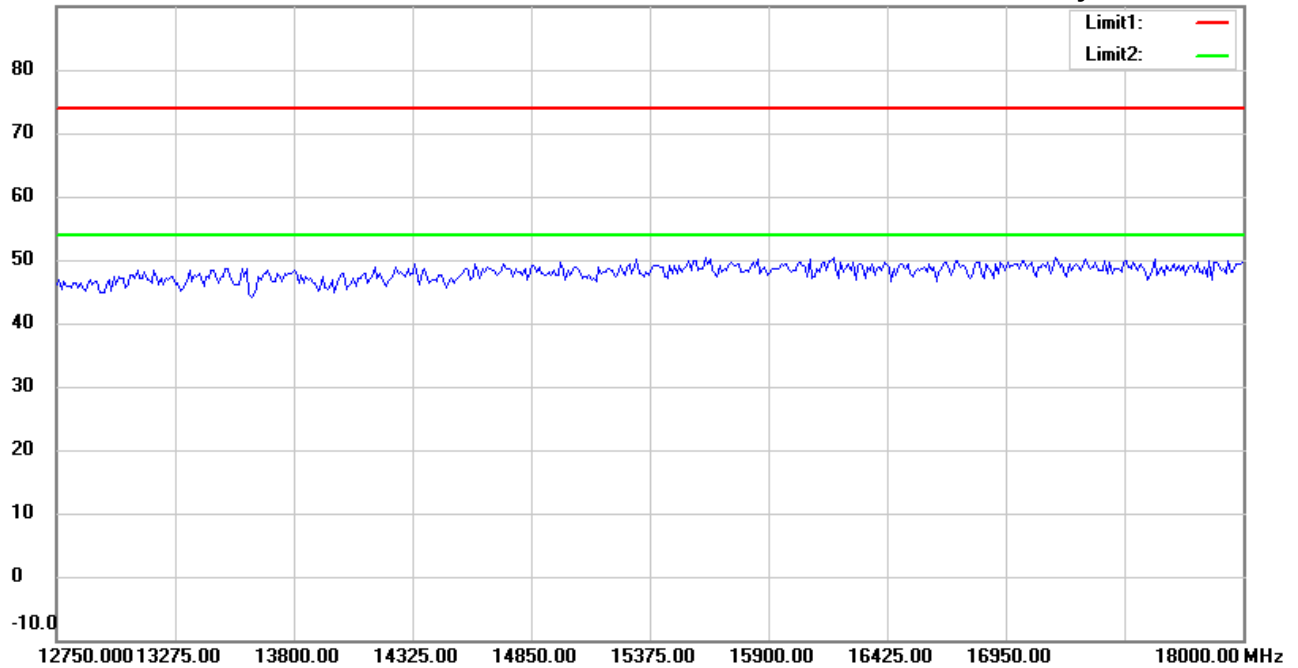
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:35:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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

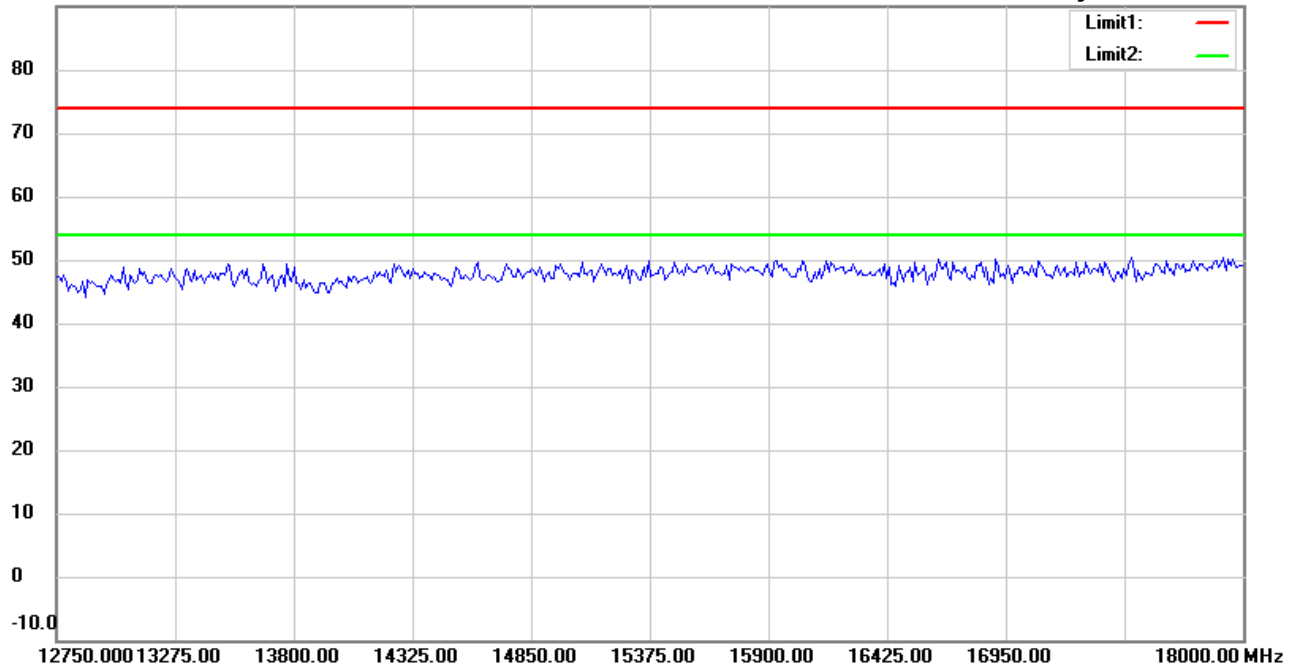
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

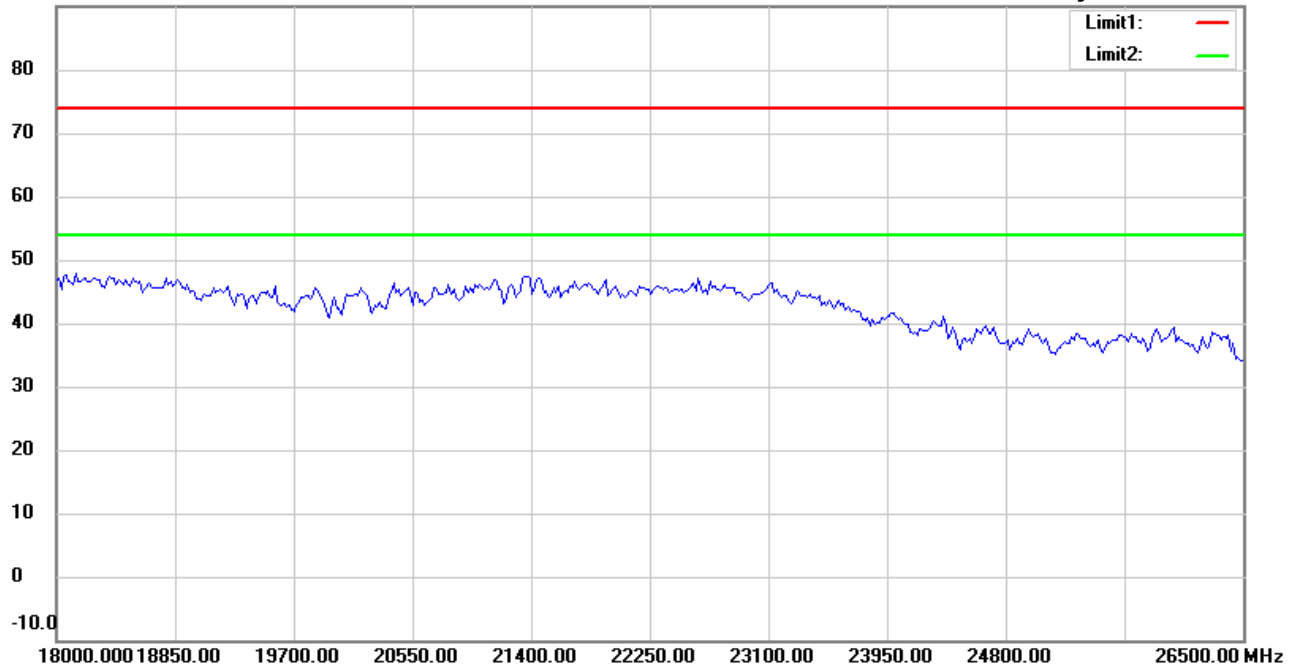
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:36:01 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

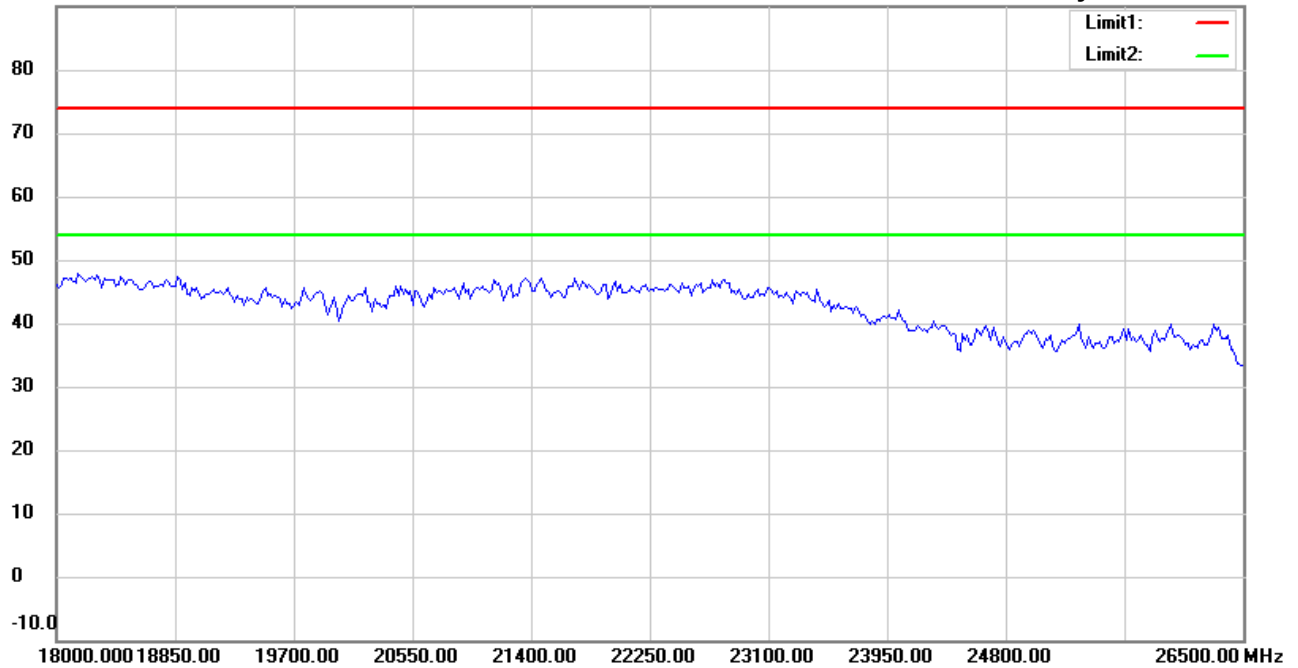
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:39:25 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 120 Va.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:+886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

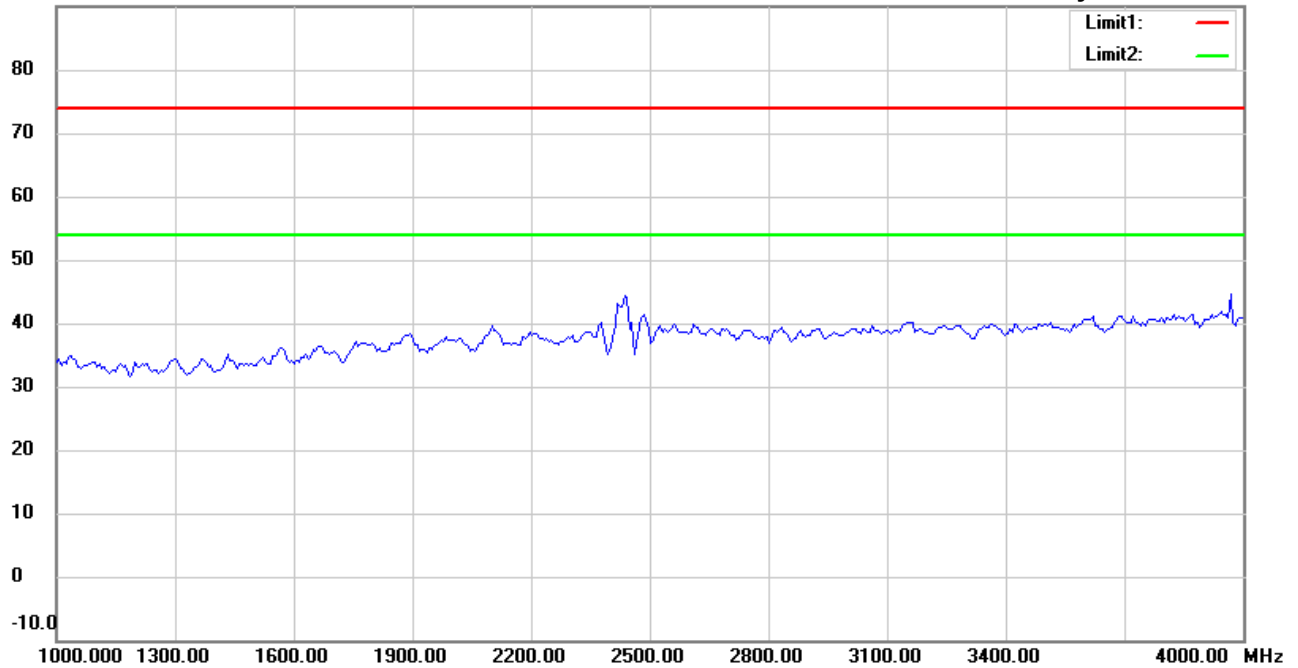
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:48:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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:+886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :3

Data :#6

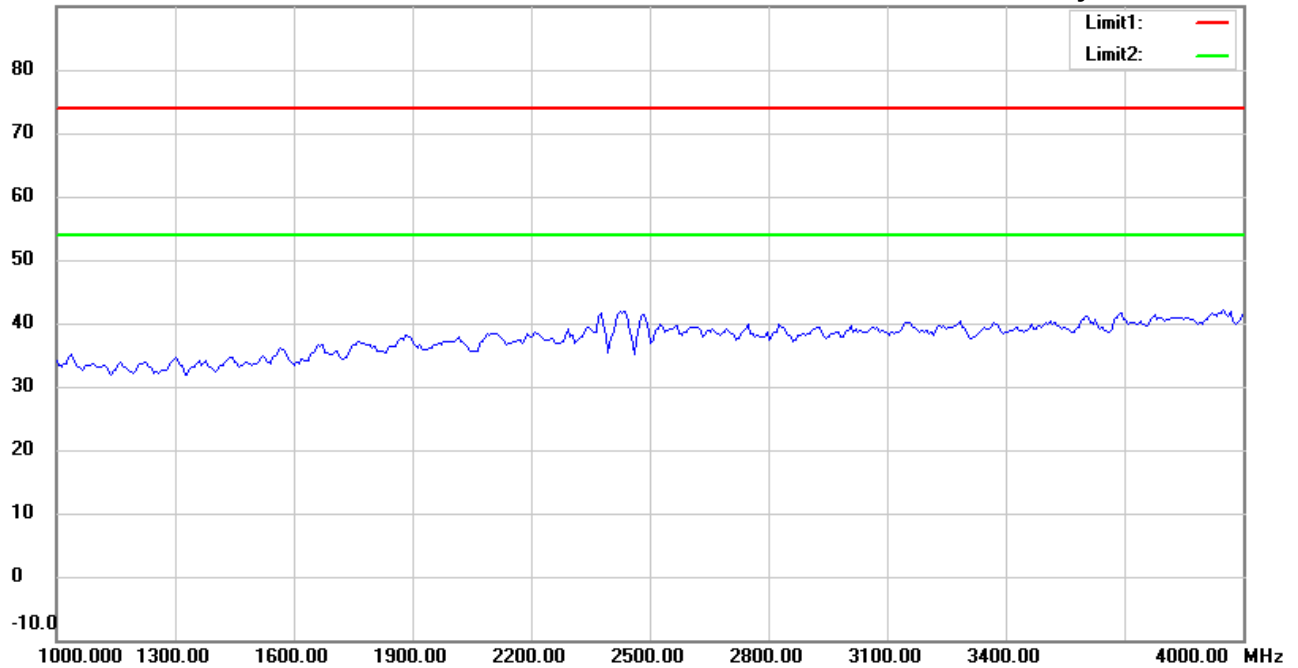
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:52:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

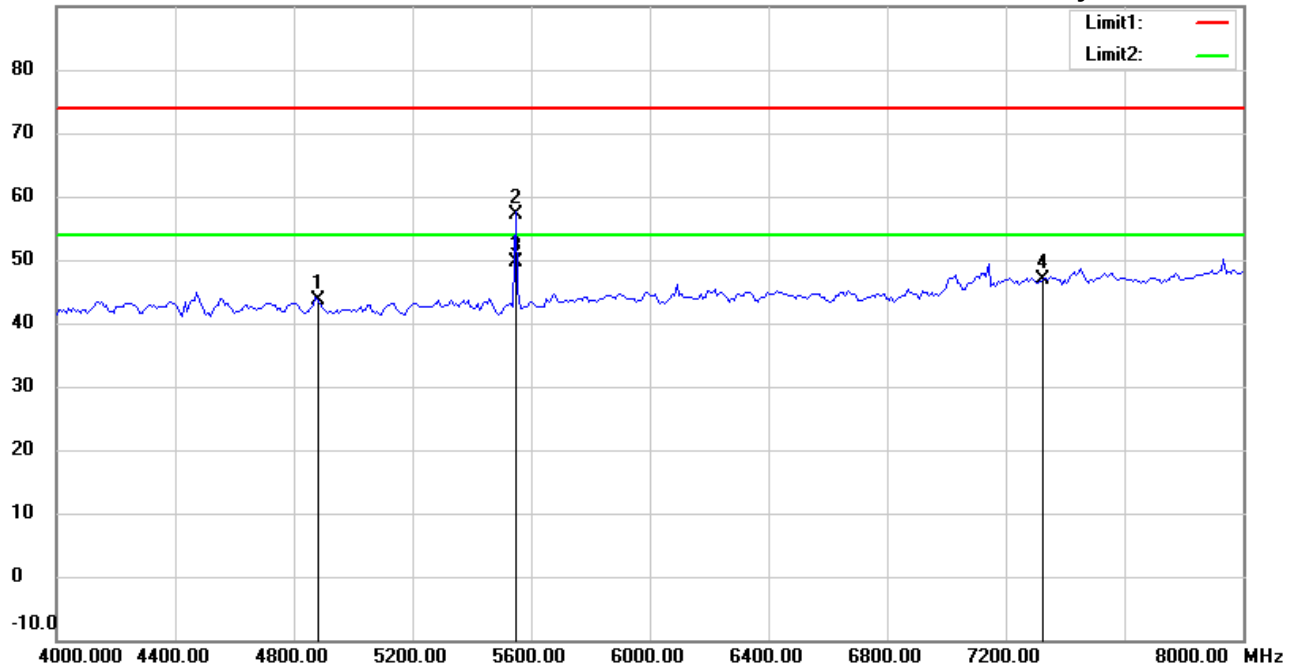
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:49:45 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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	42.97	peak	0.69	43.66	74.00	150	130	-30.34	
	5547.094	54.73	peak	2.33	57.06	74.00	150	200	-16.94	
*	5547.094	47.39	AVG	2.33	49.72	54.00	150	200	-4.28	
	7320.000	41.21	peak	5.62	46.83	74.00	150	20	-27.17	



Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

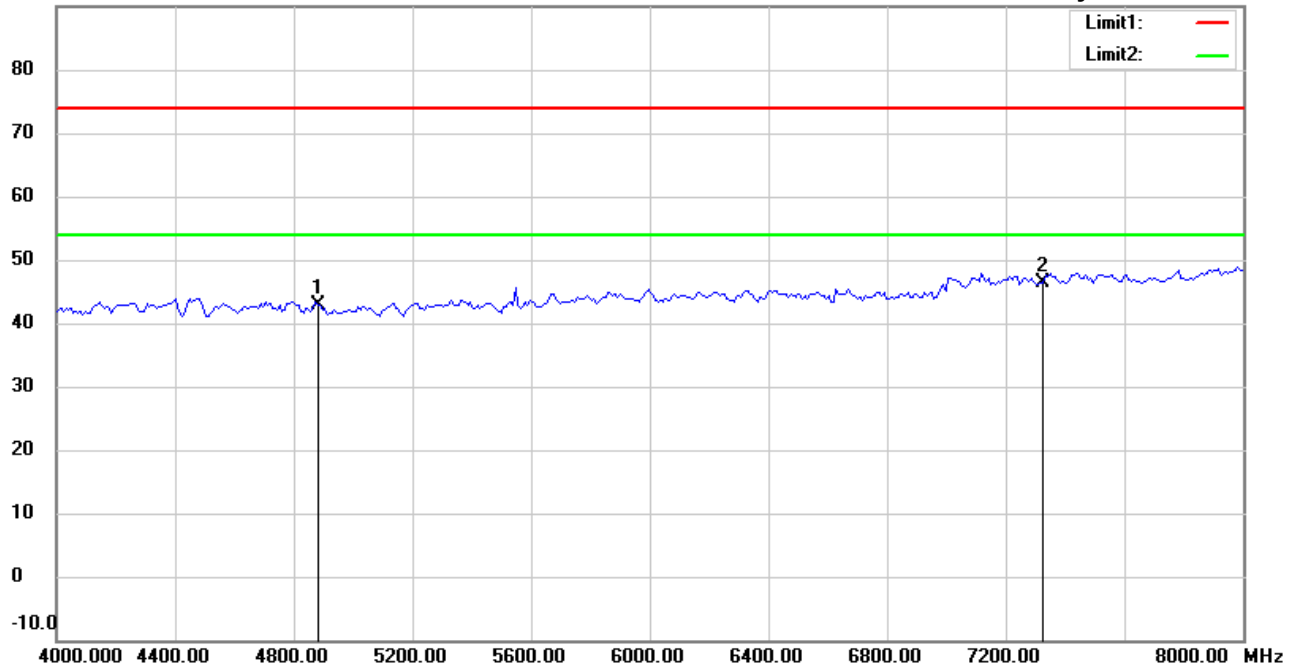
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:53:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 120 Va.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	42.24	peak	0.69	42.93	74.00	150	60	-31.07	
*	7320.000	40.88	peak	5.62	46.50	74.00	150	110	-27.50	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

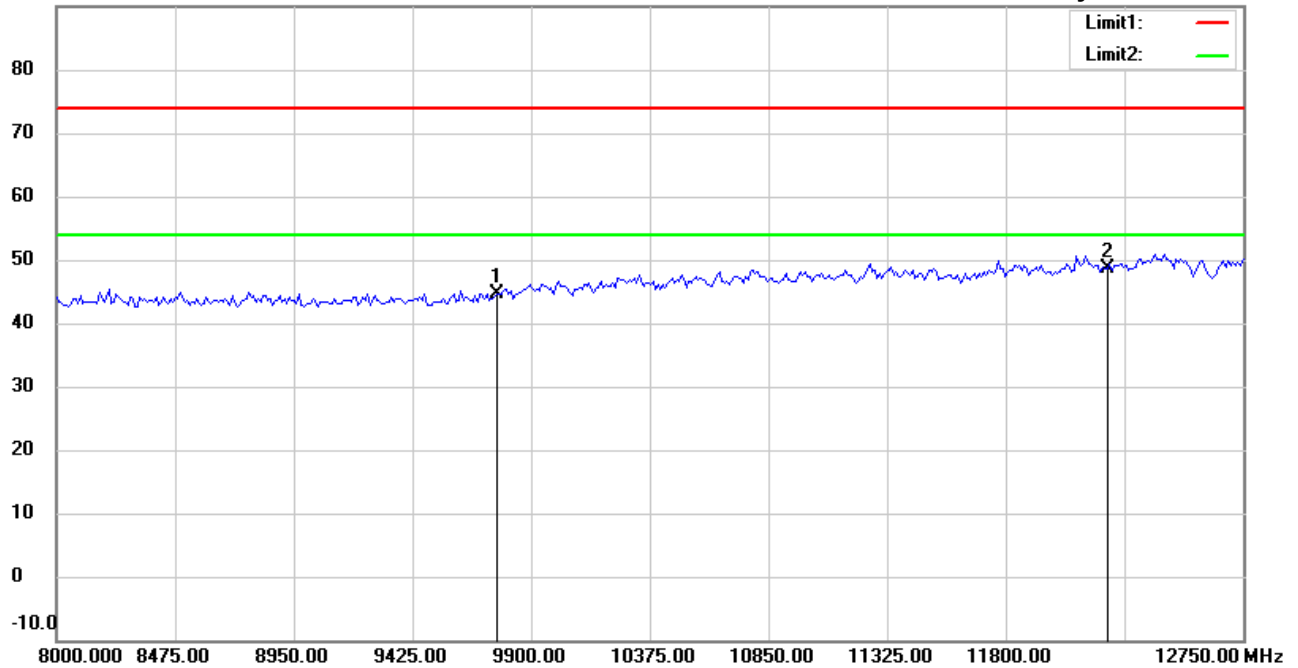
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:50:51 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	35.93	peak	8.64	44.57	74.00	150	60	-29.43	
*	12200.000	33.51	peak	15.24	48.75	74.00	150	110	-25.25	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

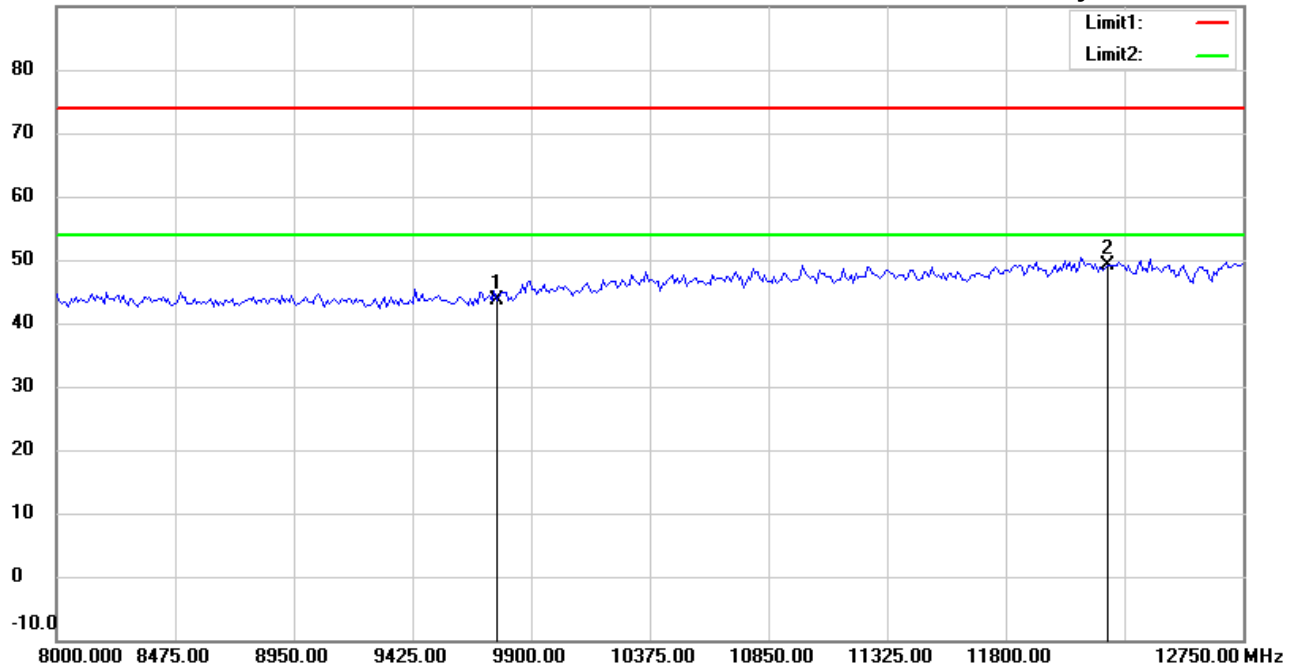
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M21809-18414

Power : 120 Va.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	34.91	peak	8.64	43.55	74.00	150	160	-30.45	
*	12200.000	33.83	peak	15.24	49.07	74.00	150	70	-24.93	

*: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 :#4

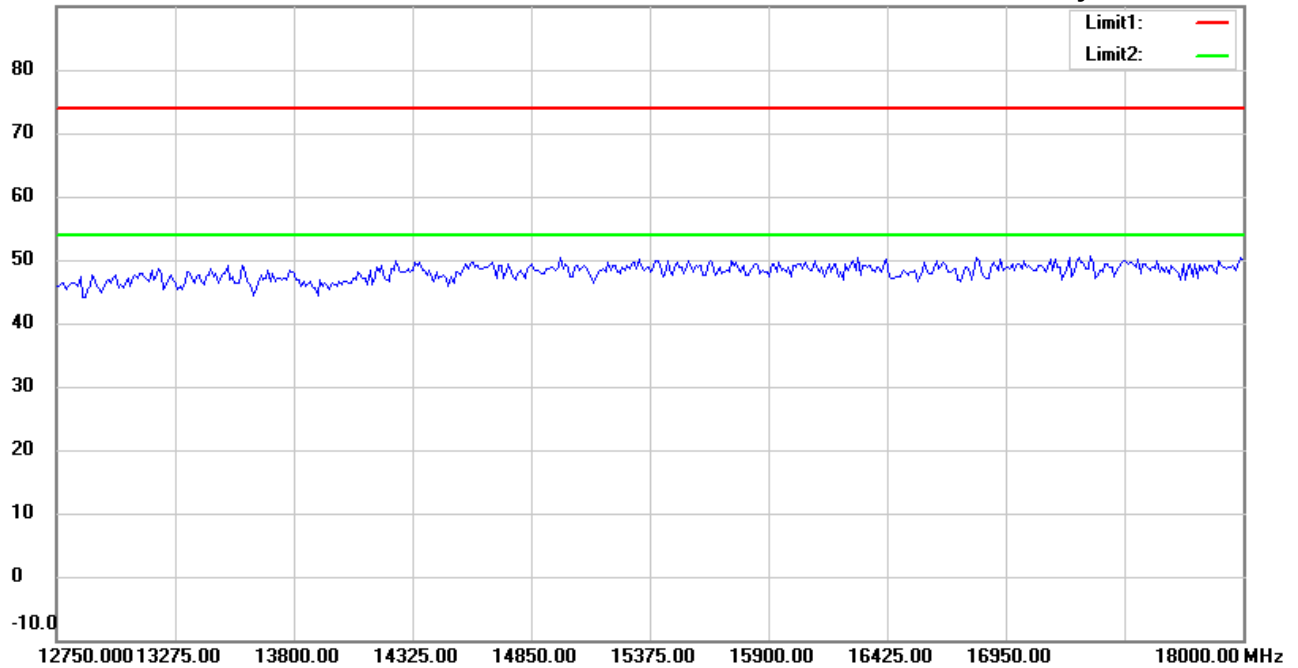
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:51:05 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#9

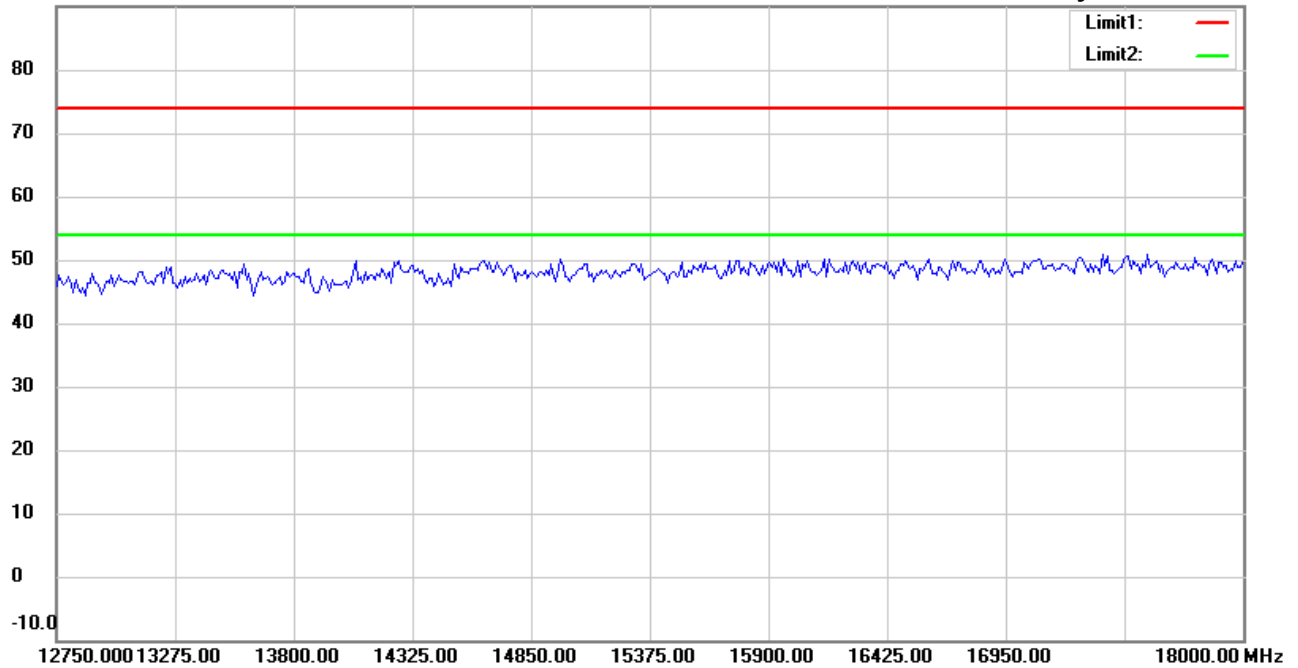
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:29 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

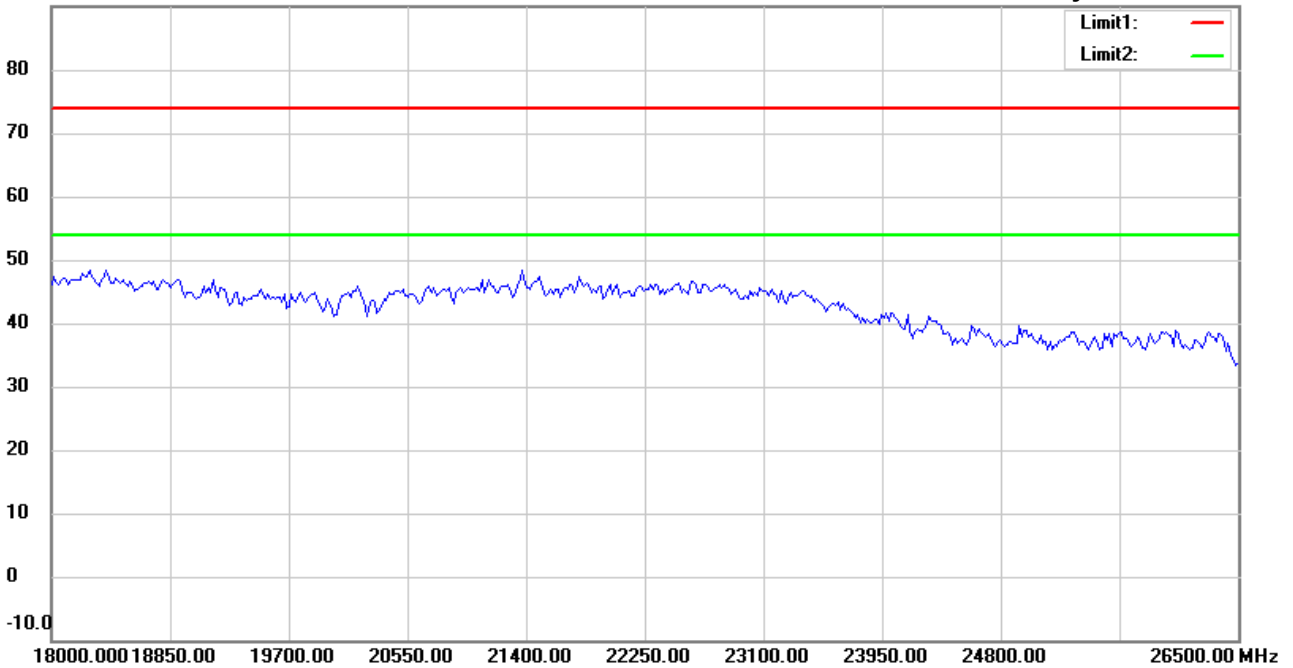
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:51:15 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

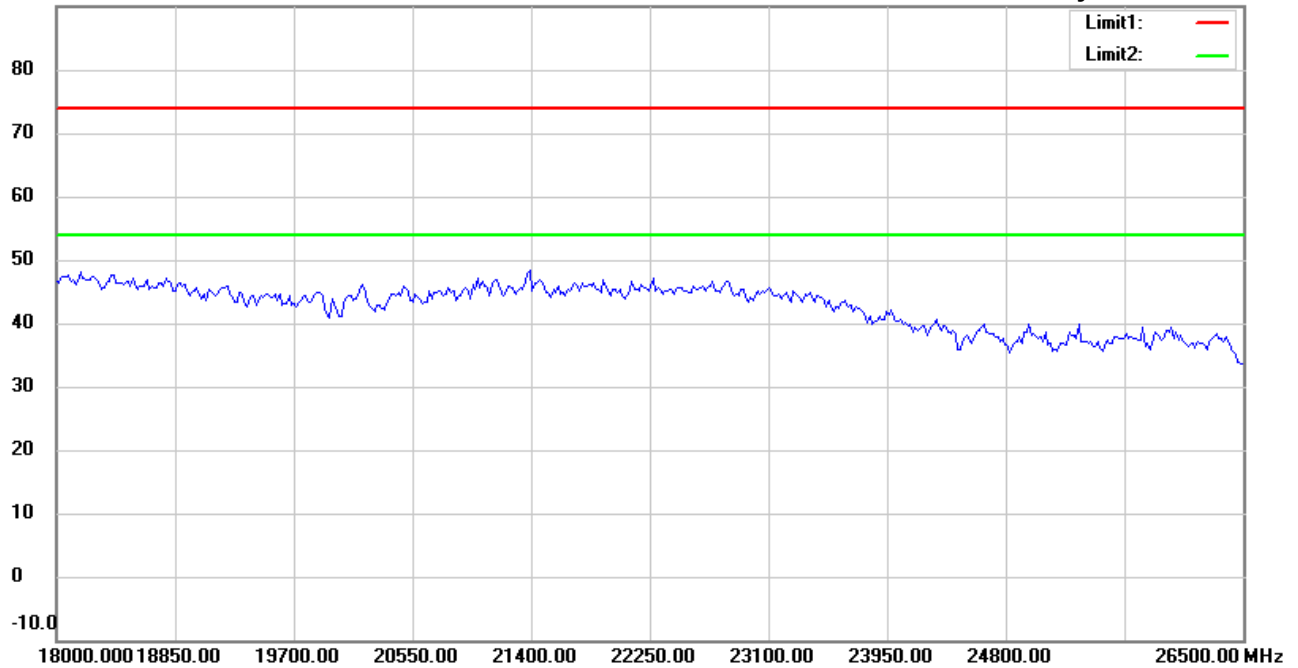
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 1:54:39 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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



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

Operator: Allen

File :3

Data :#1

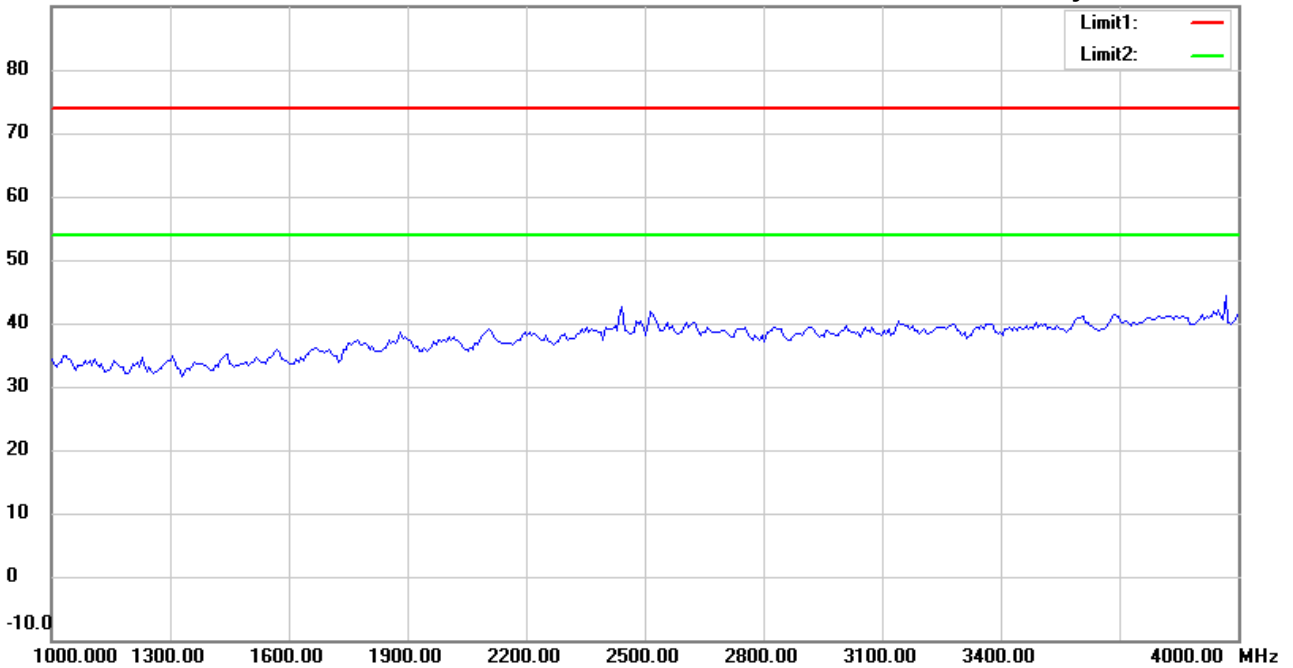
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:01:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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

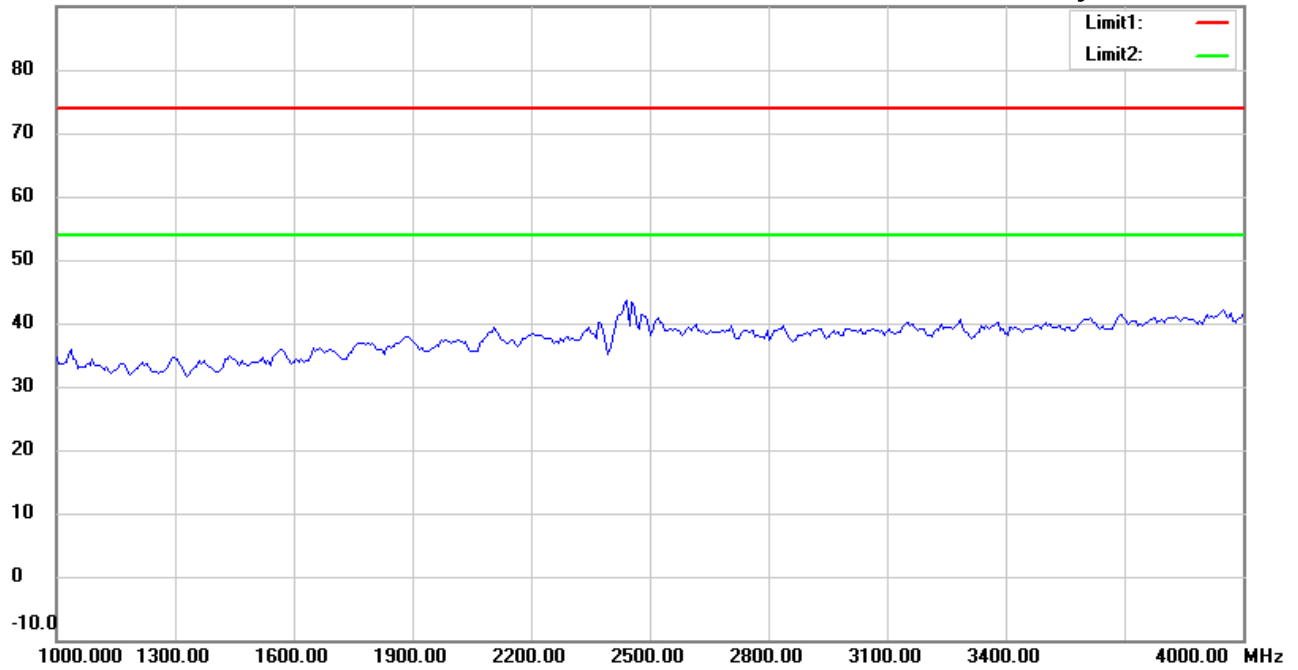
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:05:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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

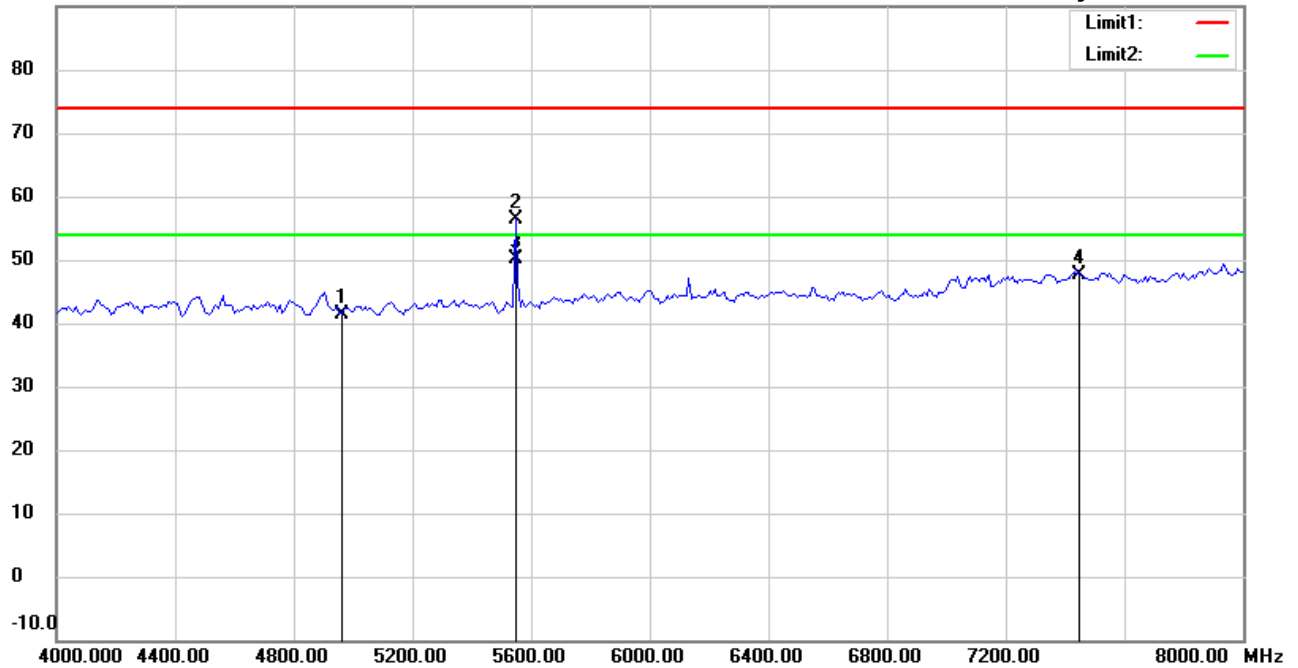
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:02:38 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Horizontal**

EUT : W6M21809-18414

Power : 120 Va.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	40.73	peak	0.77	41.50	74.00	150	190	-32.50	
	5547.094	54.02	peak	2.33	56.35	74.00	150	215	-17.65	
*	5547.094	47.68	AVG	2.33	50.01	54.00	150	215	-3.99	
	7440.000	41.61	peak	5.99	47.60	74.00	150	160	-26.40	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

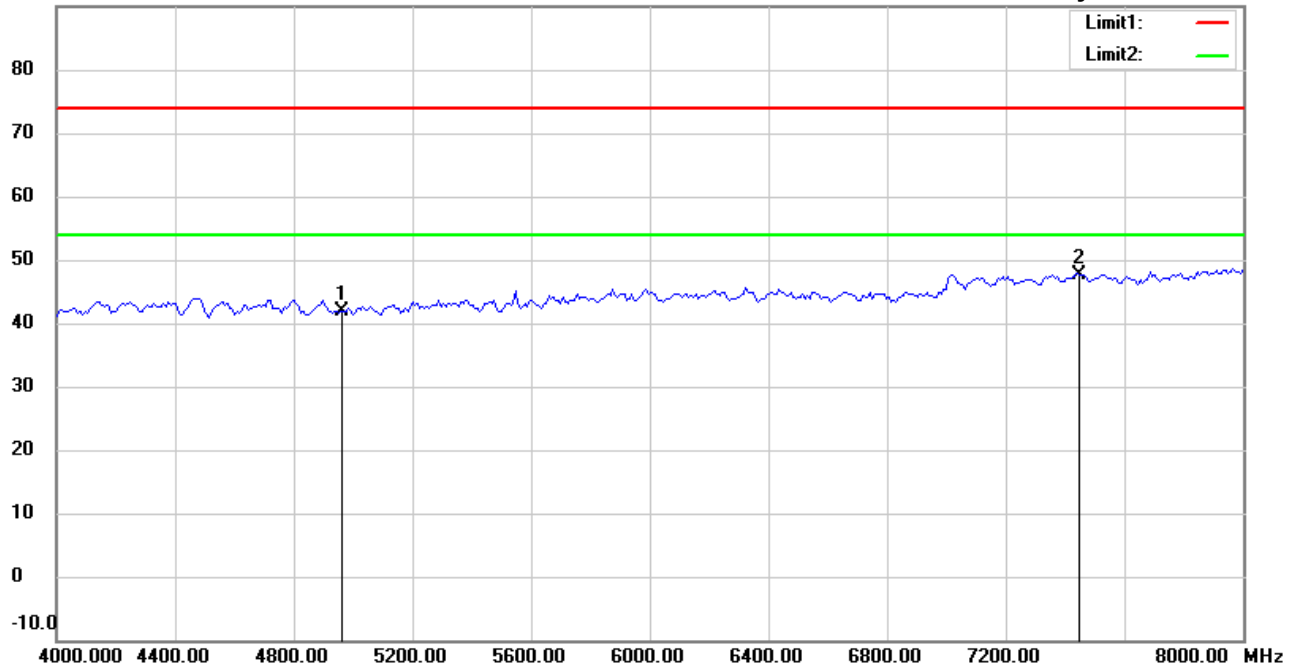
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:06:09 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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	41.00	peak	0.77	41.77	74.00	150	300	-32.23	
*	7440.000	41.73	peak	5.99	47.72	74.00	150	250	-26.28	

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



Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

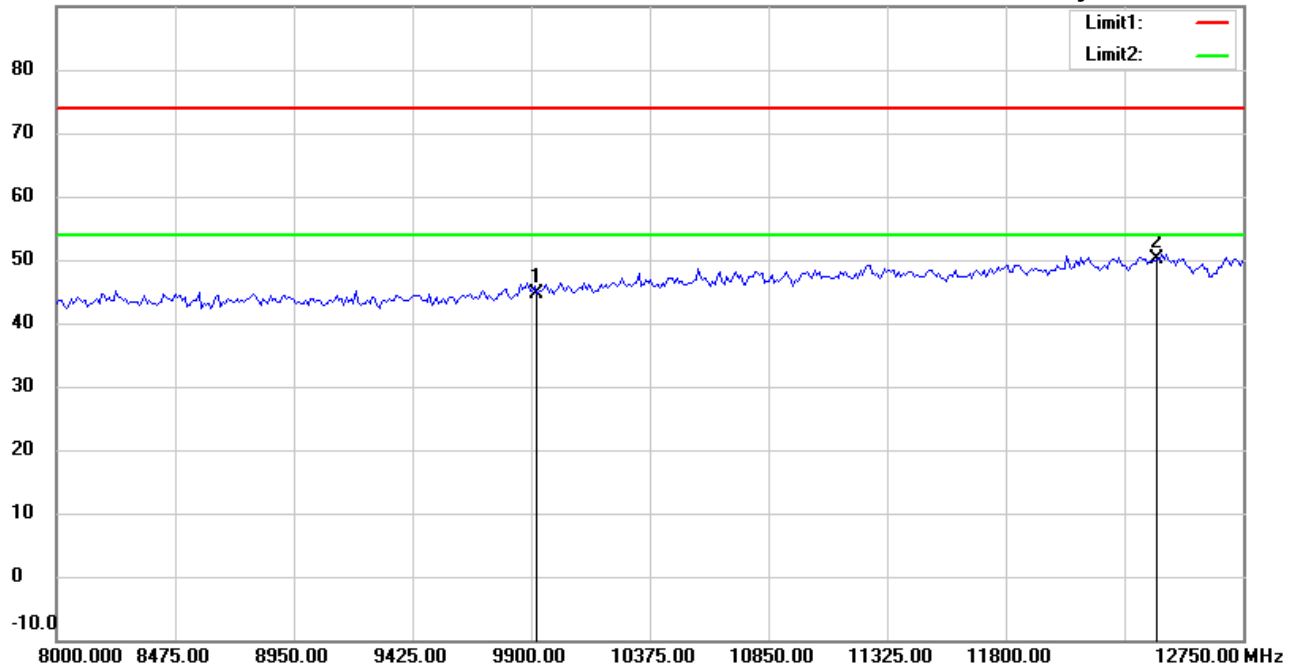
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:03:44 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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	34.87	peak	9.70	44.57	74.00	150	200	-29.43	
*	12400.000	34.29	peak	15.76	50.05	74.00	150	50	-23.95	



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

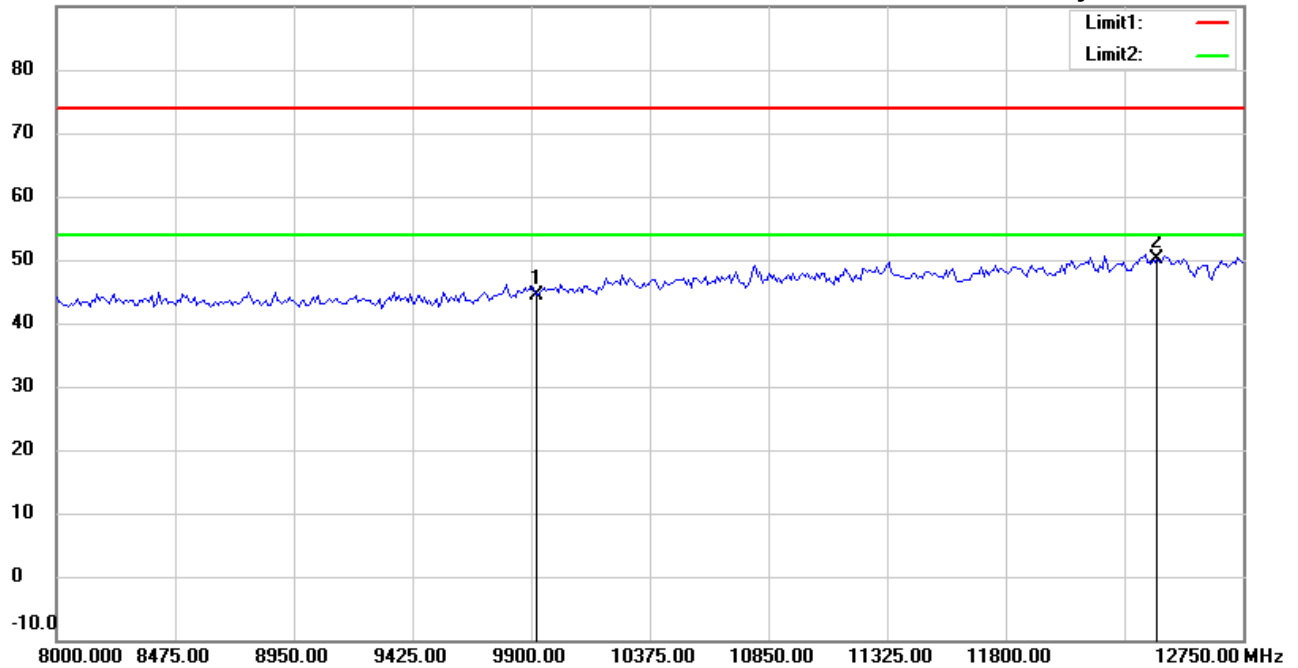
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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	34.70	peak	9.70	44.40	74.00	150	305	-29.60	
*	12400.000	34.25	peak	15.76	50.01	74.00	150	110	-23.99	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#4

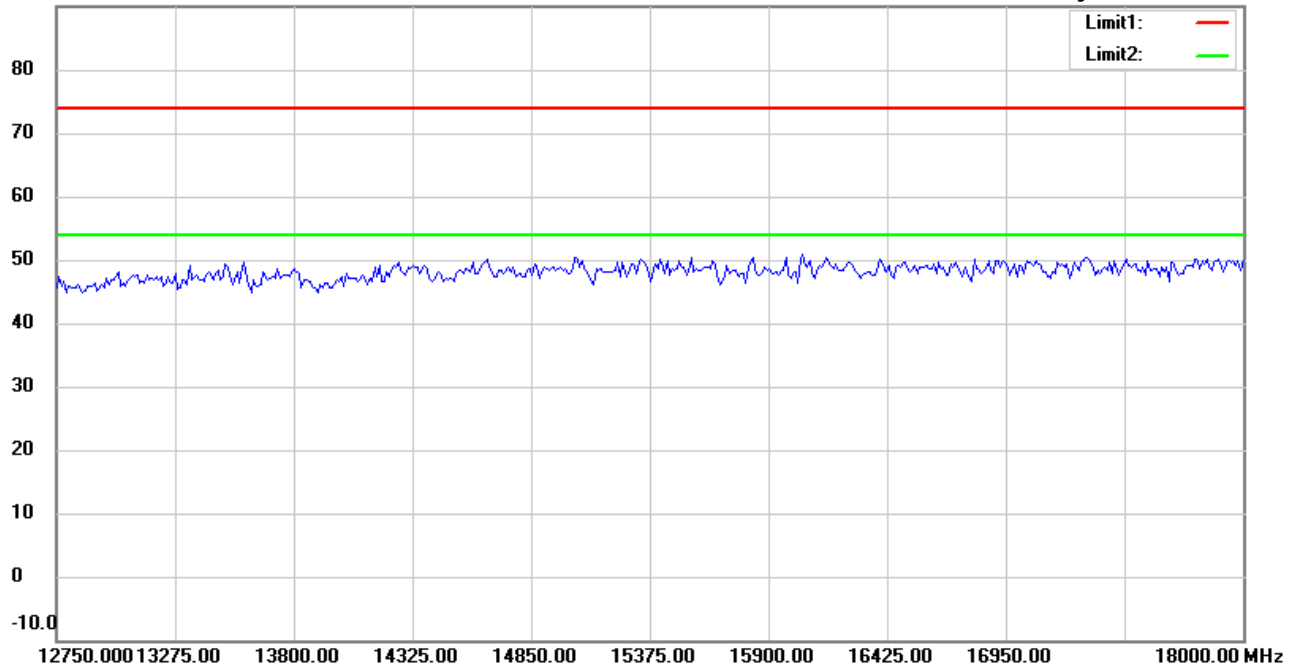
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:03:58 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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

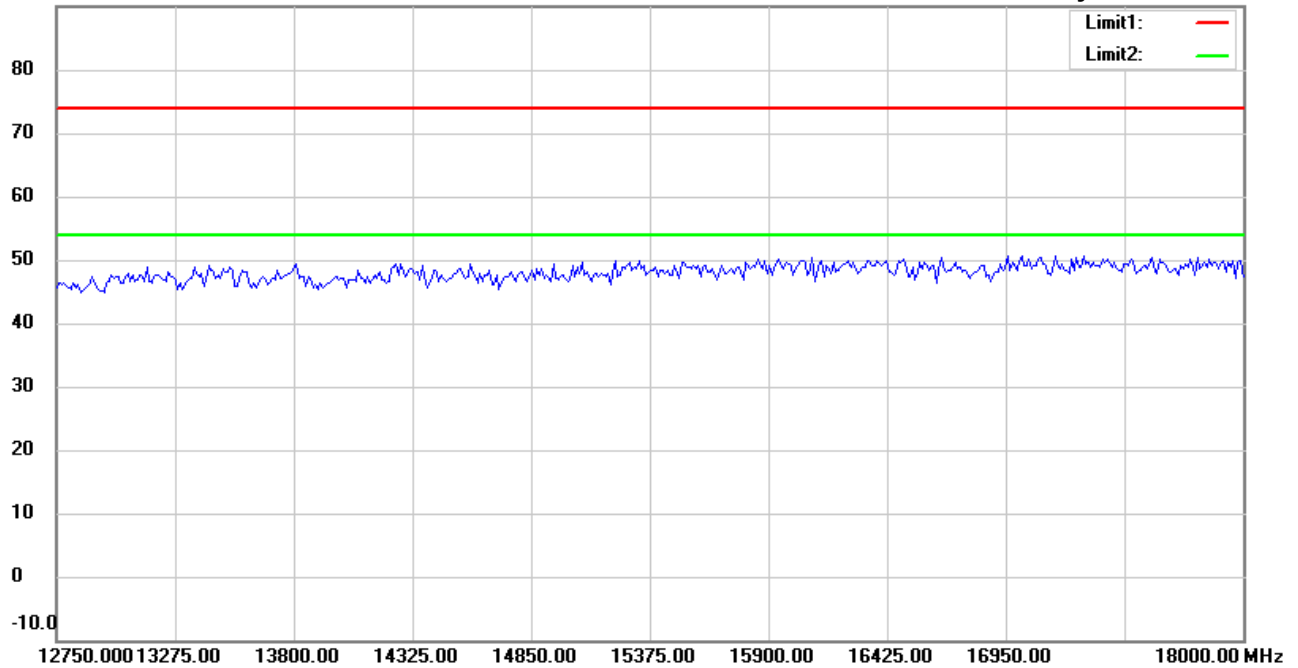
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:22 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#5

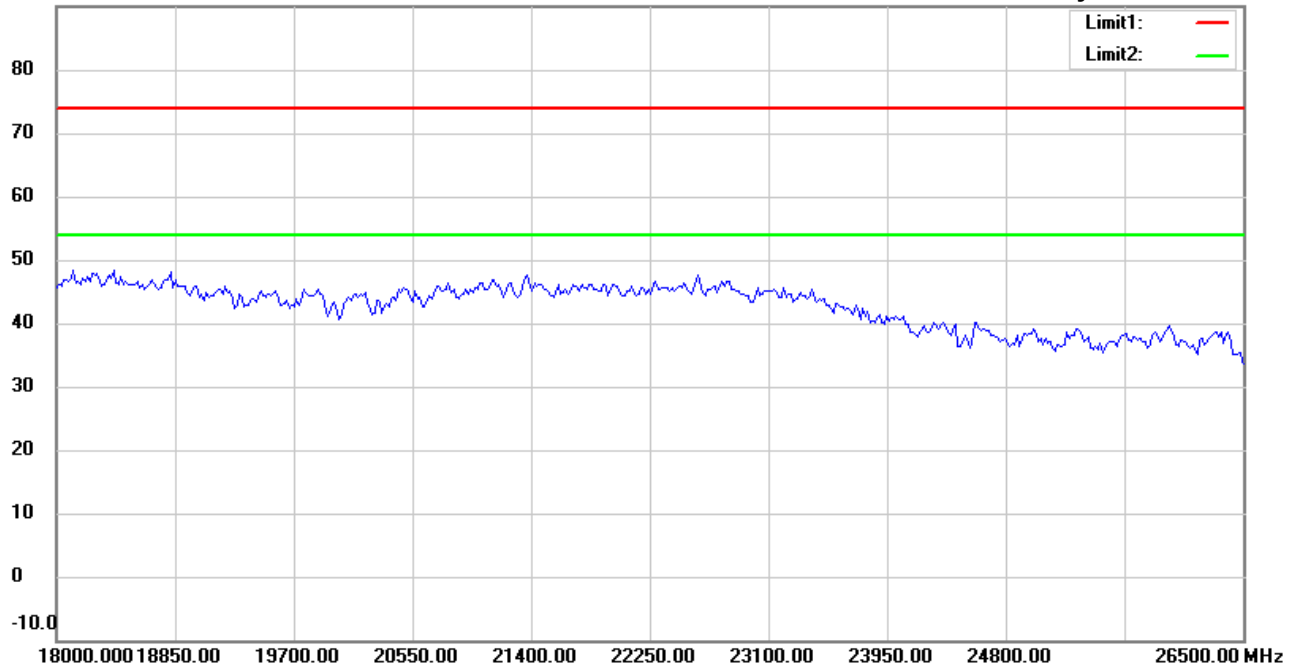
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:04:08 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21809-18414

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#10

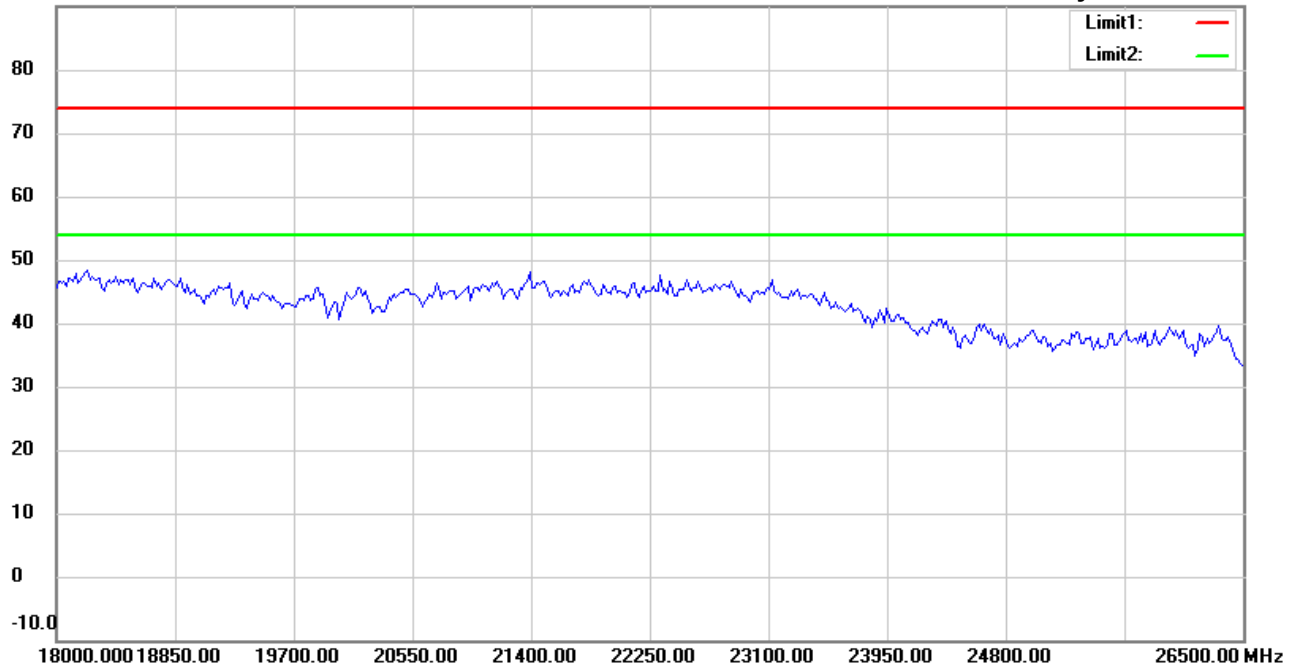
Date: 1/19/2019

Temperature:15.8 °C

90.0 dBuV/m

Time: 2:07:32 AM

Humidity:69.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21809-18414

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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