FCC PART 15 SUBPART E TEST REPORT

for

Dual band 2X2:2 Outdoor Access Point (AP)

with external antenna

Model No.: ion4e

FCC ID: 2AUISION4E

of

Applicant: HFCL Limited
Address: 8, Commercial Complex, Masjid Moth, Greater Kailash - 2, New Delhi-110048, India

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. 20037

A2LA Accredited No.: 2732.01

Report No.: W6M21912-19549-C-54

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

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is 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.
The test report may only be reproduced or published in full.
Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

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:

March 03, 2020		Robert Ren	Robert Ren
Date	WTS-Lab.	Name	Signature

Technical responsibility for area of testing:

March 03, 2020		Kevin Wang	Kevin Wang
Date	WTS	Name	Signature

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Lishui, Shuang Sing Village,
Wanli Dist., New Taipei City 207,
Taiwan (R.O.C.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046
Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

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

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

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

1.3 Details of approval holder

Name:	HFCL Limited
Street:	8, Commercial Complex, Masjid Moth, Greater Kailash - 2,
Town:	New Delhi-110048,
Country:	India
Telephone:	+91-9811096312
Fax:	./.

1.4 Application details

Date of receipt of test item:	December 13, 2019
Date of test:	from December 16, 2019 to February 26, 2020

1.5 General information of Test item

Type of test item:	Dual band 2X2:2 Outdoor Access Point (AP) with external antenna
Model Number:	ion4e
Brand Name:	io
Multi-listing model number:	./.
Photos:	see Appendix

Technical data

Frequency band:	Band 1: 5.150 GHz-5.250 GHz, Band 4: 5.725 GHz-5.850 GHz
Band 1	
802.11a:	Low Channel (CH36): 5180 MHz Middle Channel (CH44): 5220 MHz High Channel (CH48): 5240 MHz
802.11n 20MHz:	Low Channel (CH36): 5180 MHz Middle Channel (CH44): 5220 MHz High Channel (CH48): 5240 MHz
802.11n 40MHz:	Low Channel (CH38): 5190 MHz High Channel (CH46): 5230 MHz
802.11ac 80MHz:	CH42: 5210 MHz
Band 4	
802.11a:	Low Channel (CH149): 5745 MHz Middle Channel (CH157): 5785 MHz High Channel (CH165): 5825 MHz
802.11n 20MHz:	Low Channel (CH149): 5745 MHz Middle Channel (CH157): 5785 MHz High Channel (CH165): 5825 MHz
802.11n 40MHz:	Low Channel (CH151): 5755 MHz High Channel (CH159): 5795 MHz
802.11ac 80MHz:	CH155: 5775 MHz

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

Band 1

Numbers of channel: 802.11a: 4 channels
802.11n 20 MHz: 4 channels
802.11n 40 MHz: 2 channels
802.11ac 80 MHz: 1 channel

Band 4

Numbers of channel: 802.11a: 5 channels
802.11n20 MHz: 5 channels
802.11n 40 MHz: 2 channels
802.11ac 80 MHz: 1 channel

Operating modes: Duplex

Type of modulation: OFDM/DSSS

Fixed point to point operation: Yes / No

Antenna: Rubber Duck Antenna

Antenna gain: 6 dBi

Directional gain: 9.01 dBi

Power supply: PoE 48V DC, <20W
(Wherever power is mentioned as 48Vd.c. in this report, it refers to PoE 48Vd.c.)

Band 1
Emission designator: 802.11a: 16M9D1D
802.11n 20 MHz: 18M2D1D
802.11n 40 MHz: 36M7D1D
802.11ac 80 MHz: 76M9D1D

Band 4
Emission designator: 802.11a: 16M5D1D
802.11n 20 MHz: 17M7D1D
802.11n 40 MHz: 36M3D1D
802.11ac 80 MHz: 76M0D1D

Note: Tests were performed under worst case mode 802.11a 6 Mbps, 802.11n 20MHz(MCS0), 802.11n 40MHz(MCS0) and 802.11ac 80MHz(MCS0).

Classification:

Fixed Device	☒
Mobile Device (Human Body distance ＞ 20cm)	☐
Portable Device (Human Body distance ＜ 20cm)	☐
Modular Radio Device	☐

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

Note: This device was functioned as a ☐Master ☐Slave device during the DFS

Manufacturer: (if applicable)

Name:	HFCL Limited
Street:	Electronic Complex, Chambaghat,
Town:	Solan (H.P.)-173213, Himachal Pradesh,
Country:	India

		ANT 1	ANT 2
5.15 GHz~5.25 GHz	IEEE 802.11 a	Mode A	Mode A
	IEEE 802.11 n(20M)	Mode B	Mode B
	IEEE 802.11 n(40M)	Mode C	Mode C
	IEEE 802.11 ac(80M)	Mode D	Mode D
5.725 GHz~5.85GHz	IEEE 802.11 a	Mode E	Mode E
	IEEE 802.11 n(20M)	Mode F	Mode F
	IEEE 802.11 n(40M)	Mode G	Mode G
	IEEE 802.11 ac(80M)	Mode H	Mode H

Transmitter **Unom**

Antenna 1

Band 1

Mode A (OFDM)

Power (ch 36 or A): Conducted: 14.22 dBm
Power (ch 44 or B): Conducted: 14.55 dBm
Power (ch 48 or C): Conducted: 14.59 dBm

Mode B (OFDM)

Power (ch 36 or A): Conducted: 15.65 dBm
Power (ch 44 or B): Conducted: 15.88 dBm
Power (ch 48 or C): Conducted: 16.00 dBm

Mode C (OFDM)

Power (ch 38 or A): Conducted: 15.70 dBm
Power (ch 46 or B): Conducted: 15.94 dBm

Mode D (OFDM)

Power (ch 42 or A): Conducted: 12.46 dBm

Band 4

Mode E (OFDM)

Power (ch 149 or A): Conducted: 13.52 dBm
Power (ch 157 or B): Conducted: 14.38 dBm
Power (ch 165 or C): Conducted: 14.62 dBm

Mode F (OFDM)

Power (ch 149 or A):	Conducted: 15.27 dBm
Power (ch 157 or B):	Conducted: 15.99 dBm
Power (ch 165 or C):	Conducted: 16.14 dBm

Mode G (OFDM)

Power (ch 151 or A):	Conducted: 15.52 dBm
Power (ch 159 or B):	Conducted: 16.26 dBm

Mode H (OFDM)

Power (ch 155 or A):	Conducted: 12.63 dBm

Antenna 2

Band 1

Mode A (OFDM)

Power (ch 36 or A):	Conducted: 14.45 dBm
Power (ch 44 or B):	Conducted: 14.63 dBm
Power (ch 48 or C):	Conducted: 14.78 dBm

Mode B (OFDM)

Power (ch 36 or A):	Conducted: 15.82 dBm
Power (ch 44 or B):	Conducted: 15.99 dBm
Power (ch 48 or C):	Conducted: 16.18 dBm

Mode C (OFDM)

Power (ch 38 or A):	Conducted: 15.72 dBm
Power (ch 46 or B):	Conducted: 15.90 dBm

Mode D (OFDM)

Power (ch 42 or A):	Conducted: 12.18 dBm

Band 4

Mode E (OFDM)

Power (ch 149 or A):	Conducted: 13.58 dBm
Power (ch 157 or B):	Conducted: 14.29 dBm
Power (ch 165 or C):	Conducted: 14.17 dBm

Mode F (OFDM)

Power (ch 149 or A):	Conducted: 14.90 dBm
Power (ch 157 or B):	Conducted: 15.55 dBm
Power (ch 165 or C):	Conducted: 15.77 dBm

Mode G (OFDM)

Power (ch 151 or A):	Conducted: 14.89 dBm
Power (ch 159 or B):	Conducted: 15.61 dBm

Mode H (OFDM)

Power (ch 155 or A):	Conducted: 11.66 dBm

Band 1 (5.15GHz~5.25GHz)

Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	74.92	78.45	81.31	18.75	18.95	19.10
802.11n 40MHz	74.48	--	78.16	18.72	--	18.93
802.11ac 80MHz	34.14	--	--	15.33	--	--

Band 4 (5.725GHz~5.85GHz)

Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	64.55	75.61	78.87	18.10	18.79	18.97
802.11n 40MHz	66.48	--	78.66	18.23	--	18.96
802.11ac 80MHz	32.98	--	--	15.18	--	--

1.6 Test standards

Technical standard : 47 CFR FCC Part 15 Subpart E § 15.407 (2019-10)

2 Technical test

2.1 Summary of test results

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

or

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

2.2 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply: PoE 48V DC, <20W
(Wherever power is mentioned as 48Vd.c. in this report, it refers to PoE 48Vd.c.)

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty: AMN: 1.06 dB Voltage probe: 1.12 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz: 1.88 dB 30-1000 MHz: 2.79 dB 1-18 GHz: 2.36 dB 18-40 GHz: 1.55 dB
Estimation Result of Uncertainty of Bandwidth Measurement 20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth	Expanded Uncertainty: 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement Output power	Expanded Uncertainty: 1.14 dB
Estimation Result of Uncertainty of Power Density Measurement Power density	Expanded Uncertainty: 1.45 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty: 1.01 dBc
Estimation Result of Uncertainty of Conducted Spurious Emission Measurement Conducted spurious emission	Expanded Uncertainty: 1.45 dB
Estimation Result of Uncertainty of EIRP Measurement EIRP, ERP, Output power(dBm), Radiated spurious emission(dBm), Receiver spurious radiations (≥30 MHz)	Expanded Uncertainty: 30-200MHz: 2.32 dB 200-1000MHz: 2.32 dB 1-18GHz: 3.24 dB 18-40GHz: 2.88 dB

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

2.3 Test Equipment List

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

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

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

2.4 Test Procedure

The test procedures are performed following the test stands ANSI STANDARD C63.10 and FCC 789033 D02 General UNII Test Procedures New Rules v01r04.

■ Minimum Emission Bandwidth for the band 5.150-5.250 GHz, 5.725-5.850 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) $\geqslant 3 \times$ RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

■ 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section H)3)d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the 6-dB emission bandwidth to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section E). However, the 6-dB bandwidth must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth.

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

■ Maximum conducted output power

(i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
(ii) Set RBW = 1 MHz.
(iii) Set VBW ≥3 MHz.
(iv) Number of points in sweep ≥2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
(v) Sweep time = auto.
(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

■ Power Density

The rules requires “maximum power spectral density” measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power…”. (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
   a) If Method SA-2 or SA-2 Alternative was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.
   b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus

a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥1/T, where T is defined in section II.B.l.a).

b) Set VBW ≥3 RBW.

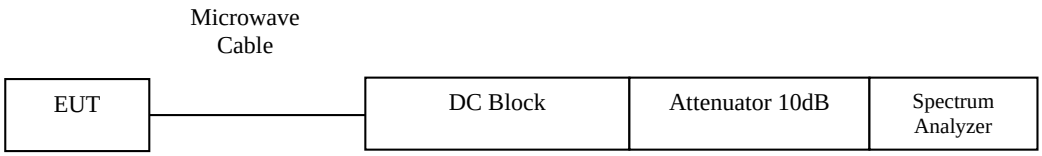
c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 kHz is available on nearly all spectrum analyzers.

Conducted measurement test setup



3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Transmit Power	15.407(a)	☒	☒	☐
6-dB emission bandwidth	15.407(a)	☒	☒	☐
26-dB emission bandwidth	15.407(a)	☒	☒	☐
99 % Occupied Bandwidth	789033 D02 General UNII Test Procedures New Rules v01	☒	☒	☐
Peak Power Spectral Density	15.407(a)	☒	☒	☐
Undesirable emission limits	15.407(b)	☒	☒	☐
Radio Frequency Exposure	15.407(f)	☒	☒	☐
Transmit Power Control	15.407(h)	☐	☐	☐
Dynamic Frequency Selection (DFS)	15.407(h)	☐	☐	☐
Channel Move Time, Channel Closing Transmission Time	15.407(i)	☐	☐	☐
Radiated Emission from Receiver Part	15.109	☐	☐	☐
AC Conducted Emissions	15.207	☐	☐	☐

The following is intentionally left blank.

3.1 Peak Transmit Power, FCC 15.407 (a)

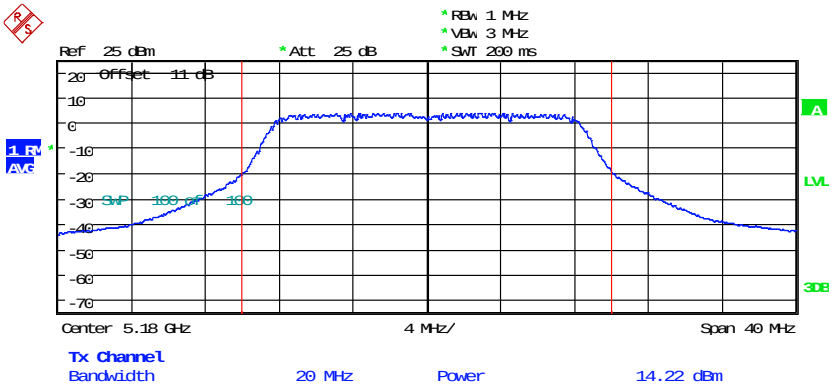
According to §15.407(a)

1. For the band 5.15-5.25 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W) for master device and 24 dBm (250 mW) for mobile/portable client device.

2. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 24 dBm (250 mW) or 11dBm + 10 log B, whichever is lower (B= 26-dB emission BW).

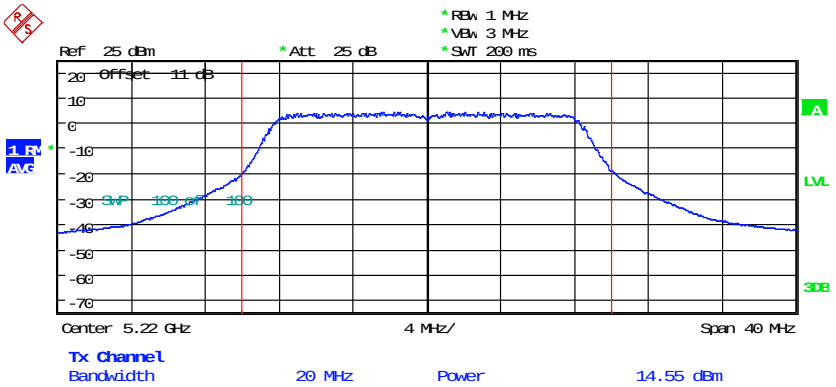
3. For the band 5.725-5.850 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W).

ANT 1
5.15 GHz ~ 5.25 GHz



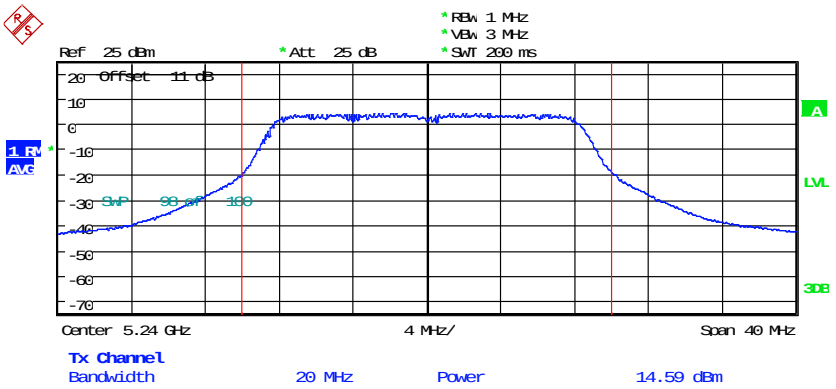
MAXIMUM CONDUCTED POWER ANT1_11aCH36
Date: 26.DEC.2019 14:09:29

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



MAXIMUM CONDUCTED POWER ANT1_11aCH44

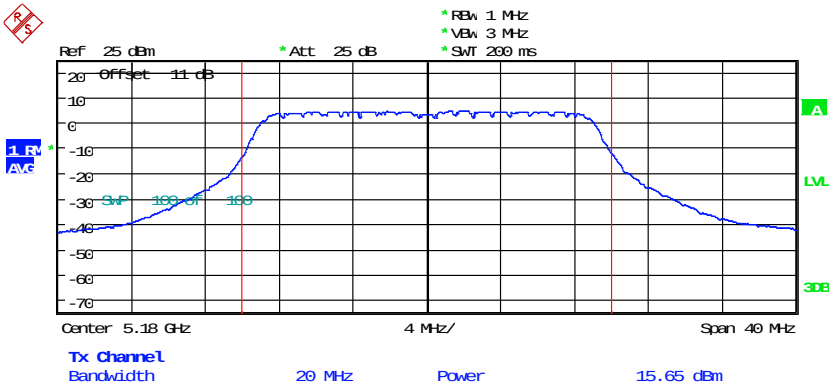
Date: 26.DEC.2019 14:11:09



MAXIMUM CONDUCTED POWER ANT1_11aCH48

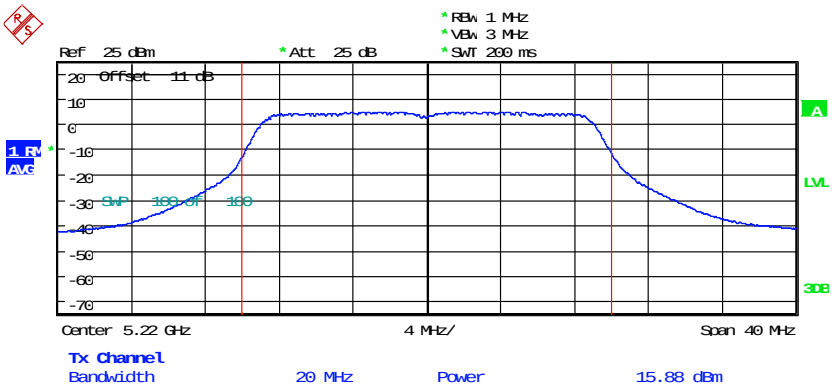
Date: 26.DEC.2019 14:12:59

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



MAXIMUM CONDUCTED POWER ANT1_11n20CH36

Date: 26.DEC.2019 14:15:29



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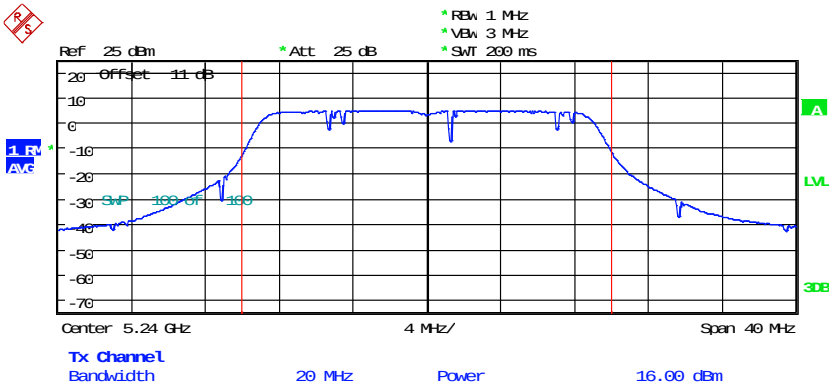

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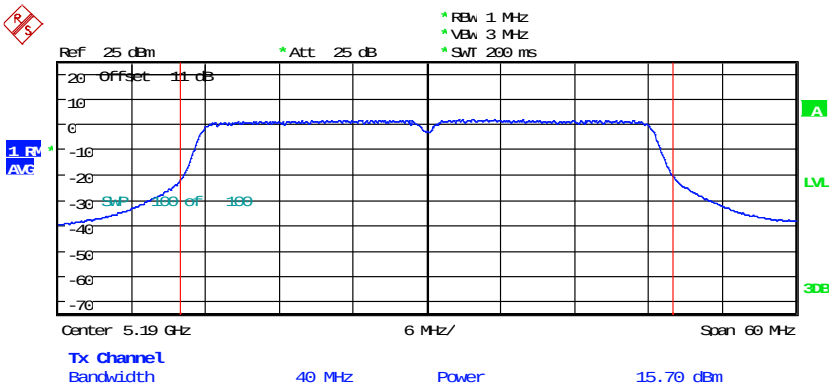

MAXIMUM CONDUCTED POWER ANT1_11n40CH38

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Registration number: W6M21912-19549-C-54
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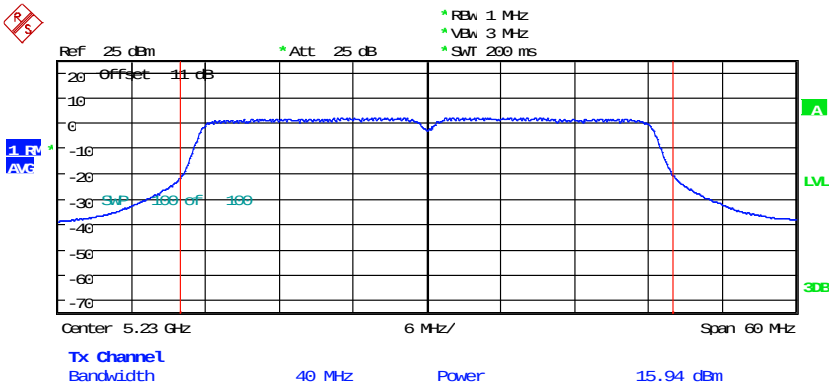

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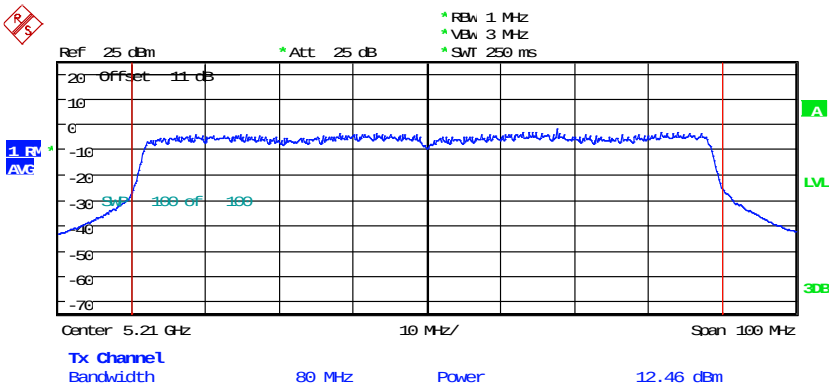

MAXIMUM CONDUCTED POWER ANT1_11ac80CH42

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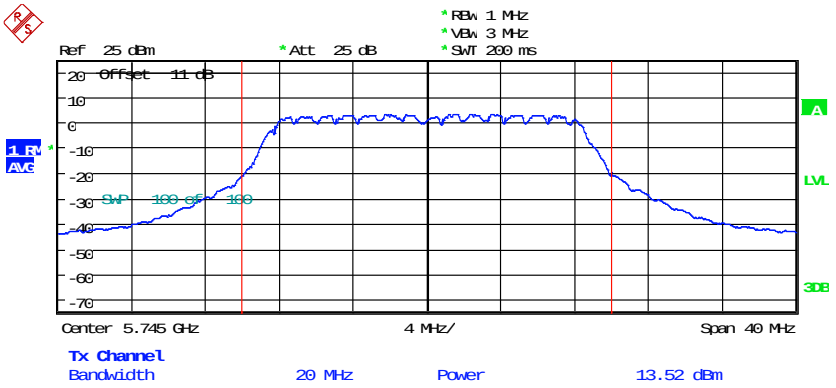
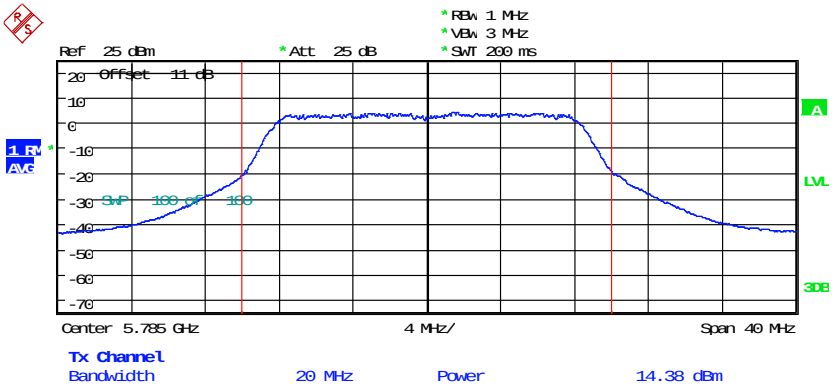
Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725 GHz ~ 5.85 GHz



MAXIMUM CONDUCTED POWER ANT1_11aCH149

Date: 26.DEC.2019 15:49:19



MAXIMUM CONDUCTED POWER ANT1_11aCH157

Date: 26.DEC.2019 15:50:39

Registration number: W6M21912-19549-C-54
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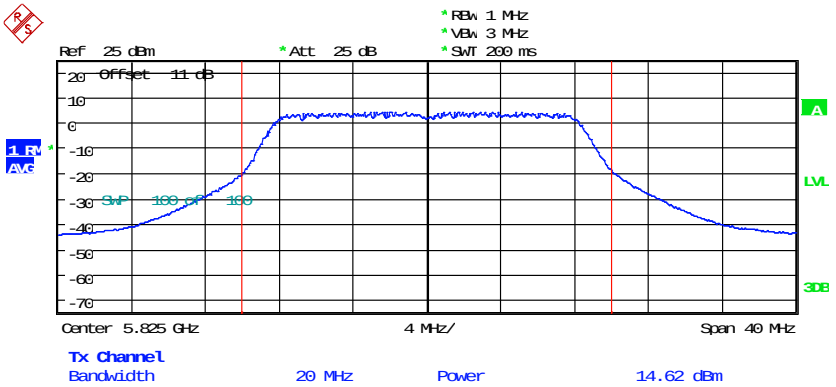
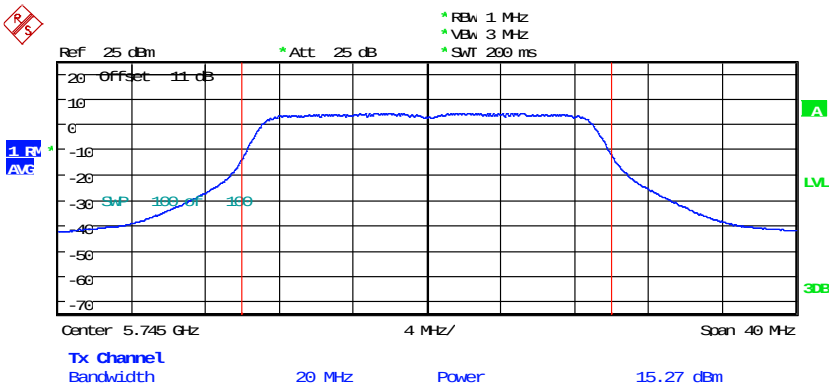


MAXIMUM CONDUCTED POWER ANT1_11aCH165

Date: 26.DEC.2019 15:51:59



MAXIMUM CONDUCTED POWER ANT1_11n20CH149

Date: 26.DEC.2019 15:53:38

Registration number: W6M21912-19549-C-54
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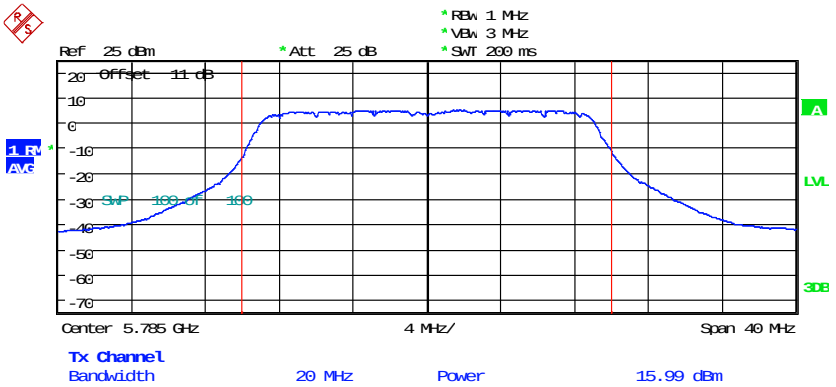
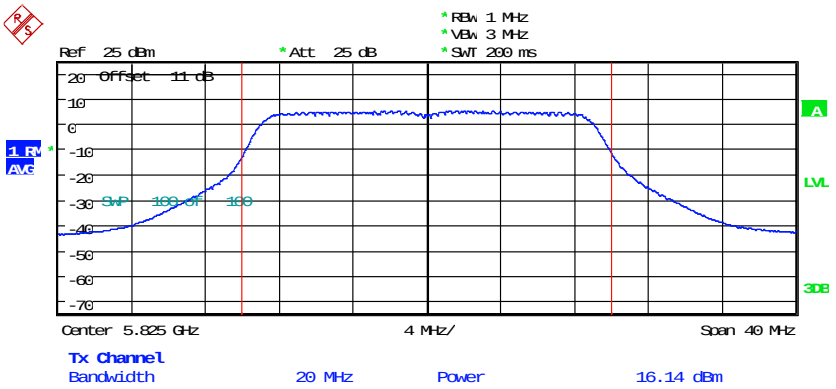


MAXIMUM CONDUCTED POWER ANT1_11n20CH157

Date: 26.DEC.2019 15:54:48



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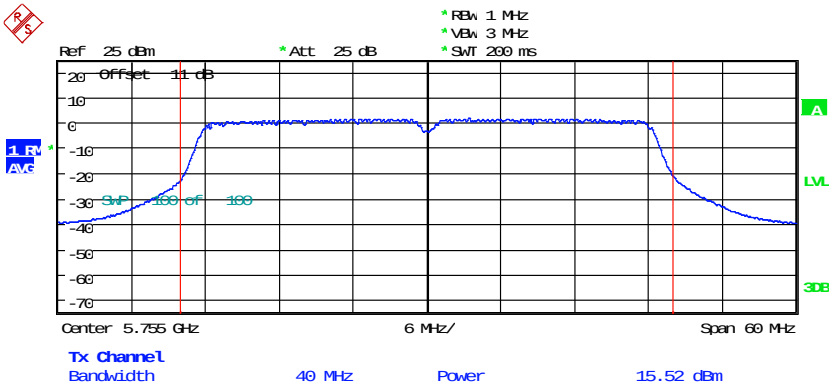

MAXIMUM CONDUCTED POWER ANT1_11n40CH151

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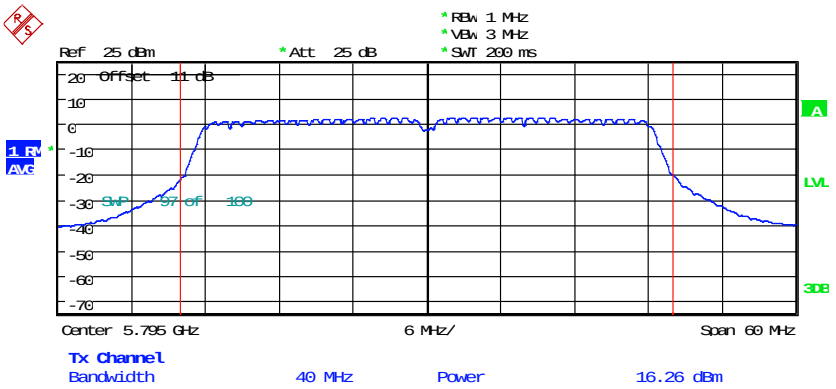

MAXIMUM CONDUCTED POWER ANT1_11n40CH159

Date: 26.DEC.2019 15:59:38

Registration number: W6M21912-19549-C-54
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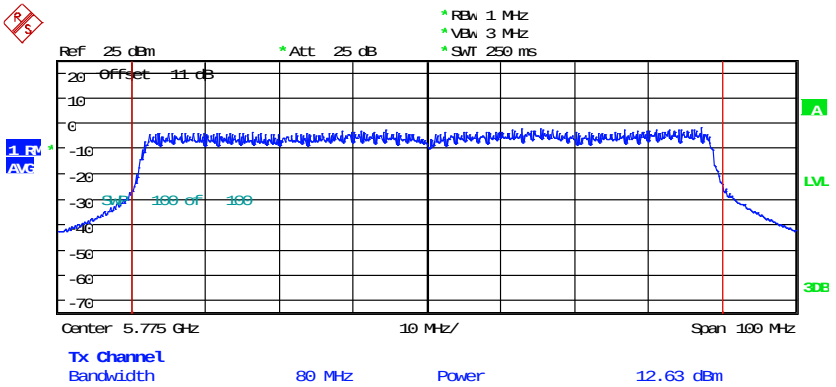
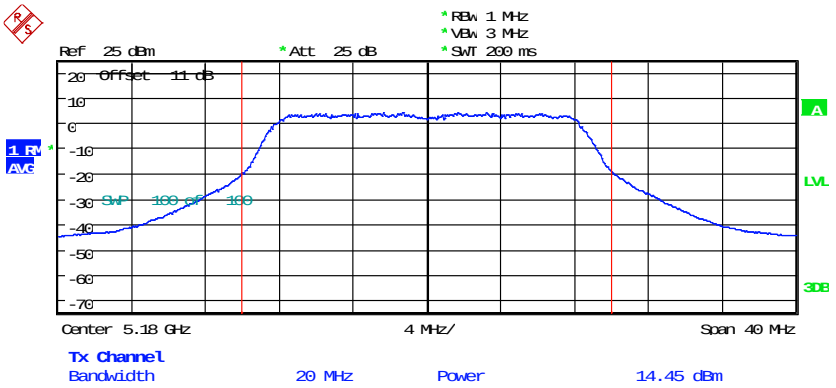


MAXIMUM CONDUCTED POWER ANT1_11ac80CH155
Date: 26.DEC.2019 16:02:12

ANT 2
5.15 GHz ~ 5.25 GHz



MAXIMUM CONDUCTED POWER ANT2_11aCH36
Date: 26.DEC.2019 14:47:49

Registration number: W6M21912-19549-C-54
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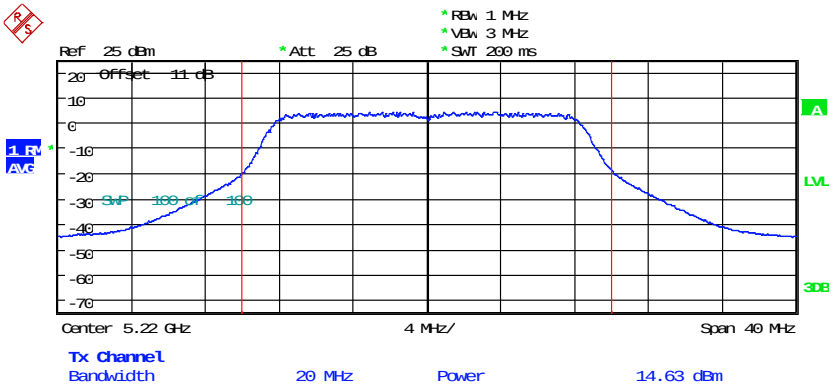

MAXIMUM CONDUCTED POWER ANT2_11aCH44

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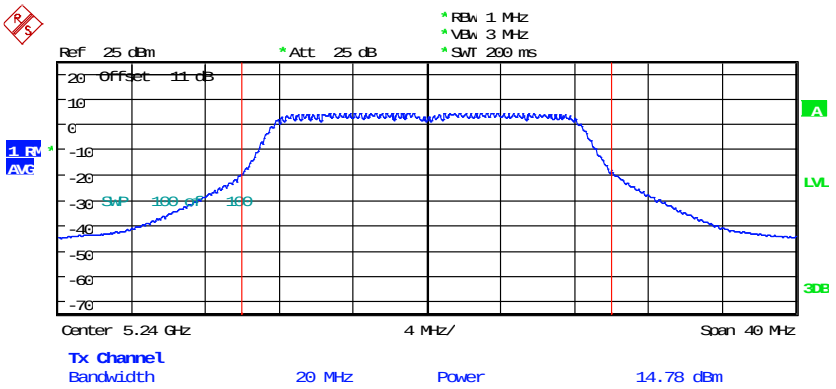
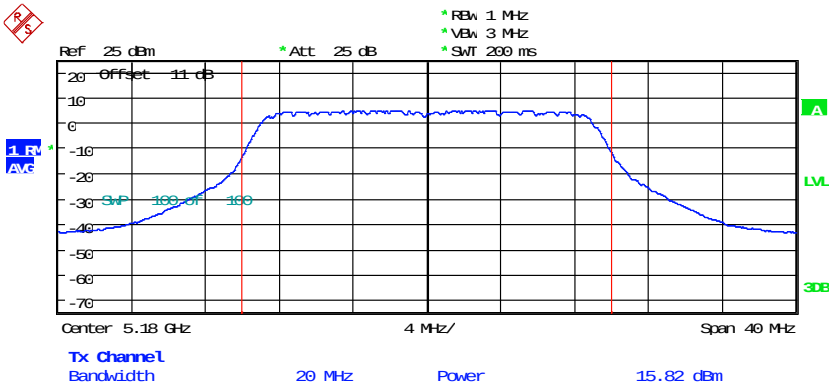


MAXIMUM CONDUCTED POWER ANT2_11aCH48

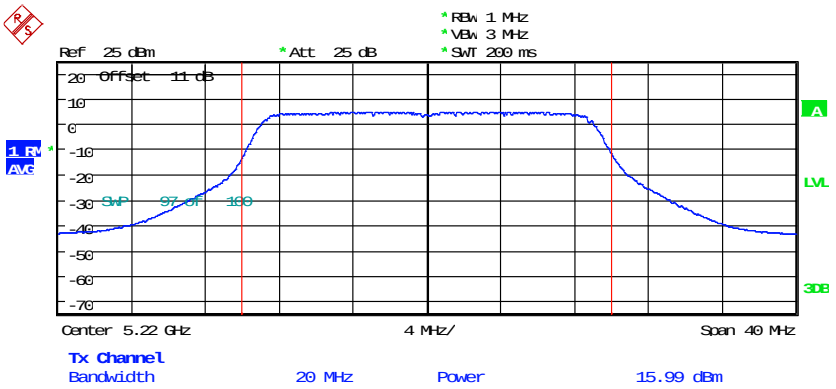
Date: 26.DEC.2019 14:51:49

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



MAXIMUM CONDUCTED POWER ANT2_11n20CH36

Date: 26.DEC.2019 14:40:59



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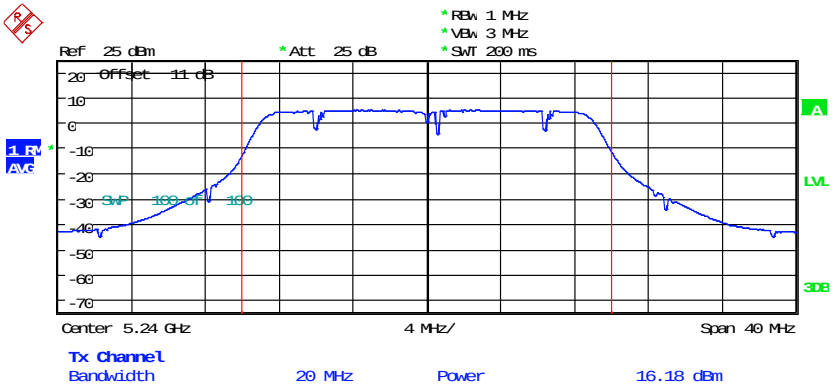

MAXIMUM CONDUCTED POWER ANT2_11n20CH48

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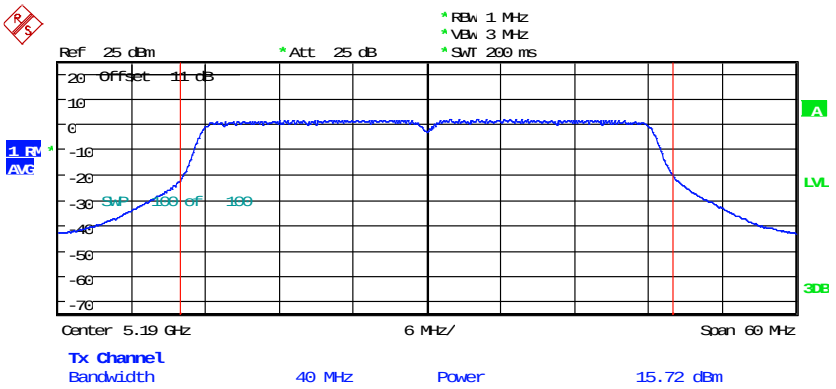

MAXIMUM CONDUCTED POWER ANT2_11n40CH38

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Registration number: W6M21912-19549-C-54
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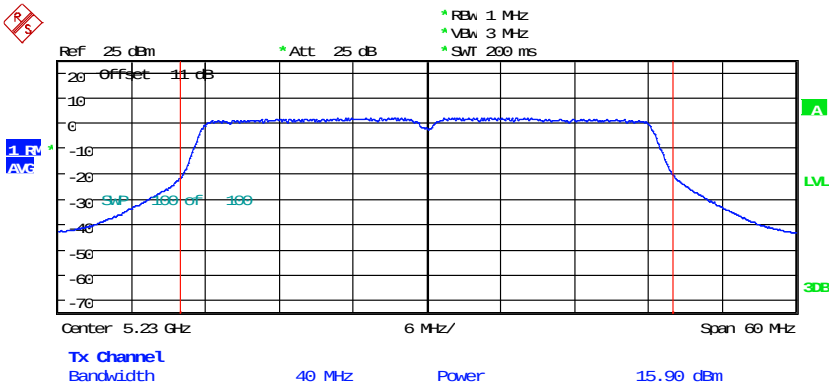

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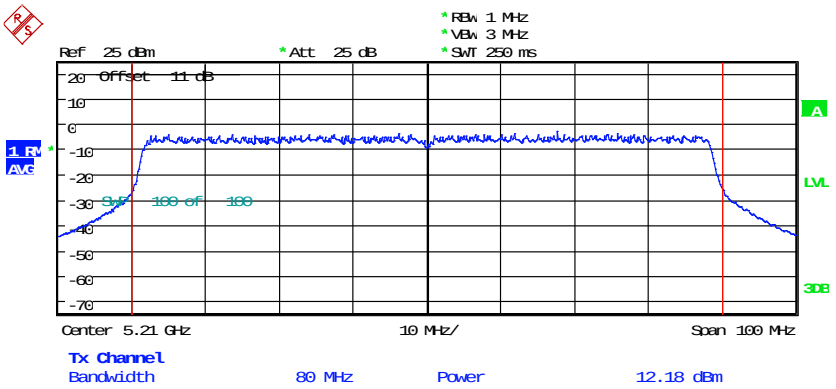
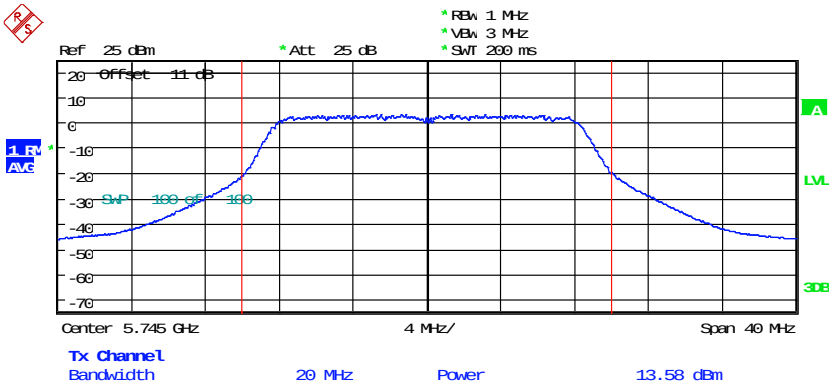


MAXIMUM CONDUCTED POWER ANT2_11ac80CH42

Date: 26.DEC.2019 14:35:09

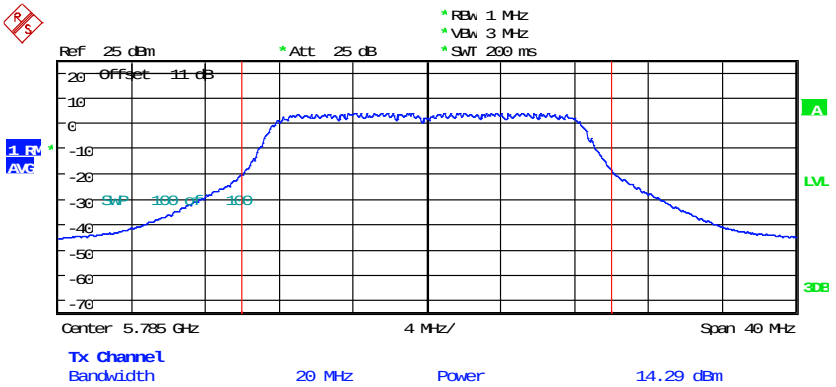
Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725 GHz ~ 5.85 GHz



MAXIMUM CONDUCTED POWER ANT2_11aCH149

Date: 26.DEC.2019 16:19:38



MAXIMUM CONDUCTED POWER ANT2_11aCH157

Date: 26.DEC.2019 16:23:18

Registration number: W6M21912-19549-C-54
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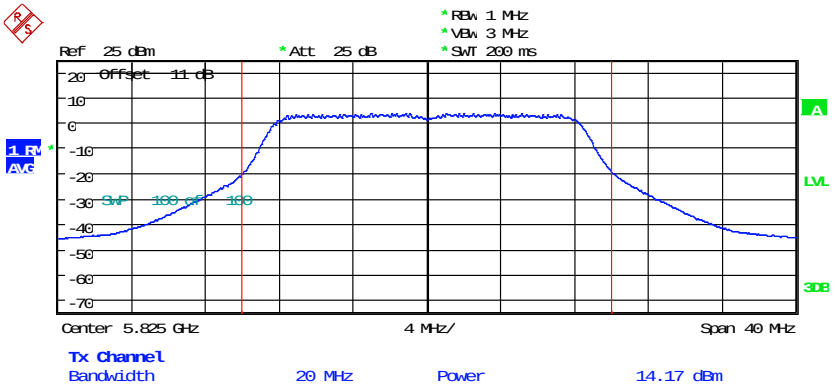

MAXIMUM CONDUCTED POWER ANT2_11aCH165

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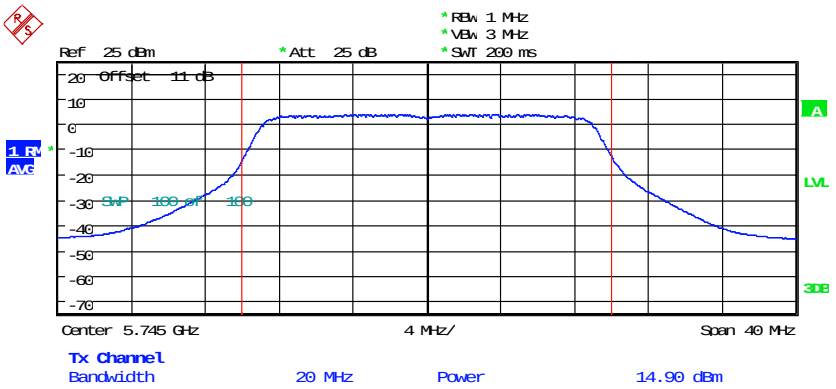

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Date: 26.DEC.2019 16:14:18

Registration number: W6M21912-19549-C-54
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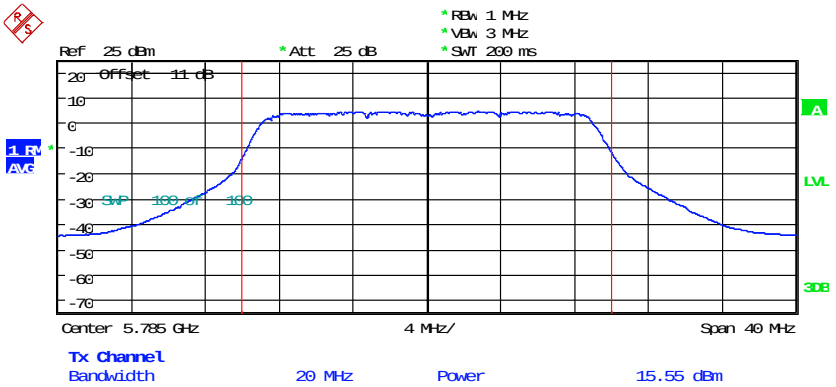
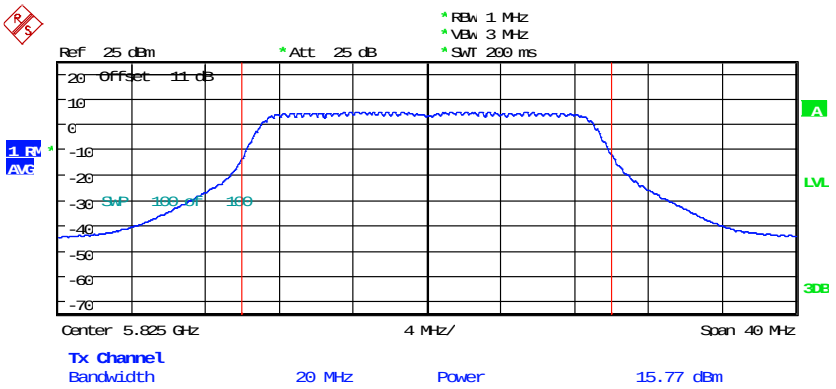


MAXIMUM CONDUCTED POWER ANT2_11n20CH157

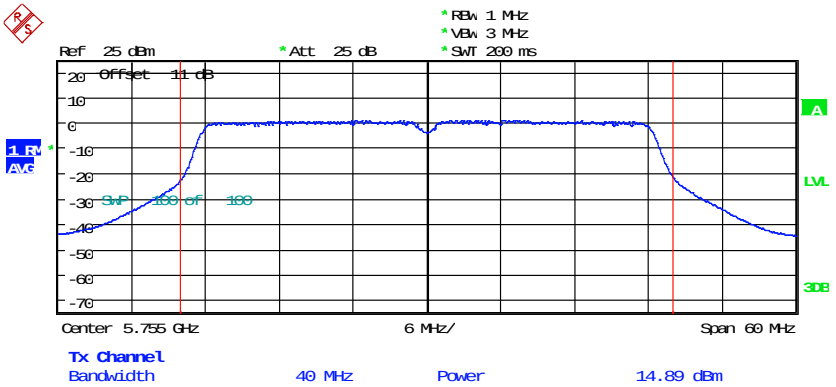
Date: 26.DEC.2019 16:15:38



MAXIMUM CONDUCTED POWER ANT2_11n20CH165

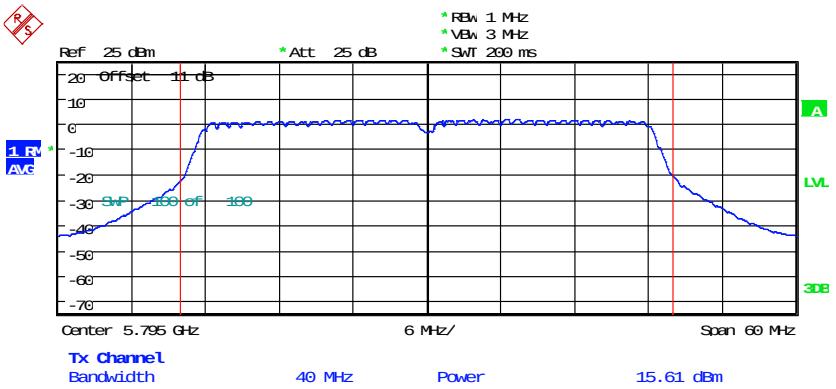
Date: 26.DEC.2019 16:16:58

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



MAXIMUM CONDUCTED POWER ANT2_11n40CH151

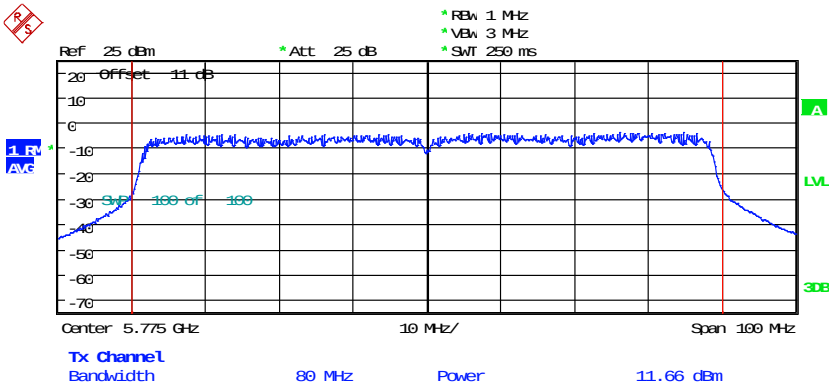
Date: 26.DEC.2019 16:10:58



MAXIMUM CONDUCTED POWER ANT2_11n40CH159

Date: 26.DEC.2019 16:12:18

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



MAXIMUM CONDUCTED POWER ANT2_11ac80CH155
Date: 26.DEC.2019 16:08:24

5.15GHz~5.25GHz

ANT 1	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	36.73	38.73	39.81	15.65	15.88	16.00
802.11N 40MHz	37.15	--	39.26	15.70	--	15.94
802.11ac 80MHz	17.62	--	--	12.46	--	--
ANT 2	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	38.19	39.72	41.50	15.82	15.99	16.18
802.11N 40MHz	37.33	--	38.90	15.72	--	15.90
802.11ac 80MHz	16.52	--	--	12.18	--	--
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	74.92	78.45	81.31	18.75	18.95	19.10
802.11N 40MHz	74.48	--	78.16	18.72	--	18.93
802.11ac 80MHz	34.14	--	--	15.33	--	--

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725GHz~5.85GHz

ANT 1	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	33.65	39.72	41.11	15.27	15.99	16.14
802.11N 40MHz	35.65	--	42.27	15.52	--	16.26
802.11ac 80MHz	18.32	--	--	12.63	--	--
ANT 2	mW					
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	30.90	35.89	37.76	14.90	15.55	15.77
802.11N 40MHz	30.83	--	36.39	14.89	--	15.61
802.11ac 80MHz	14.66	--	--	11.66	--	--
Combine	mW					
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	64.55	75.61	78.87	18.10	18.79	18.97
802.11N 40MHz	66.48	--	78.66	18.23	--	18.96
802.11ac 80MHz	32.98	--	--	15.18	--	--

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

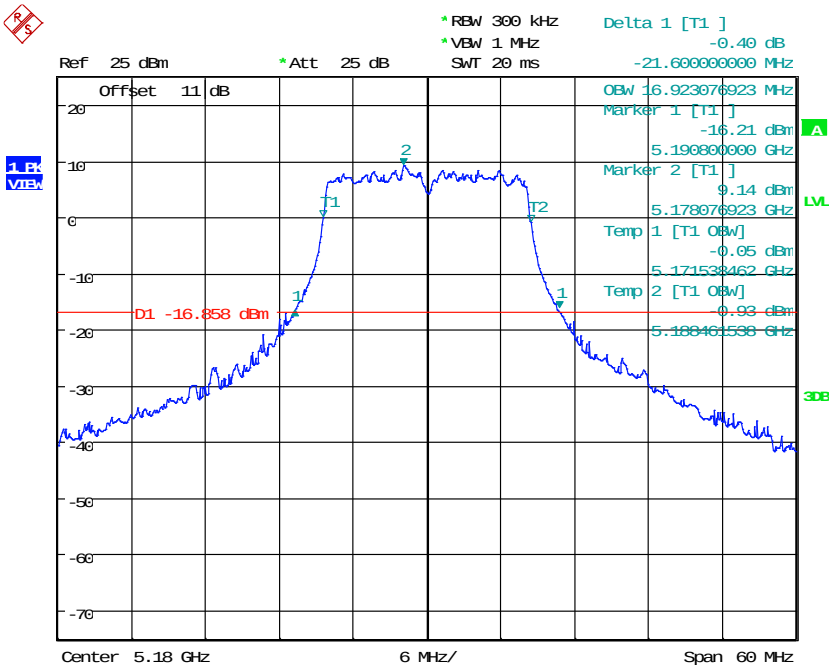
Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

3.2 26dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

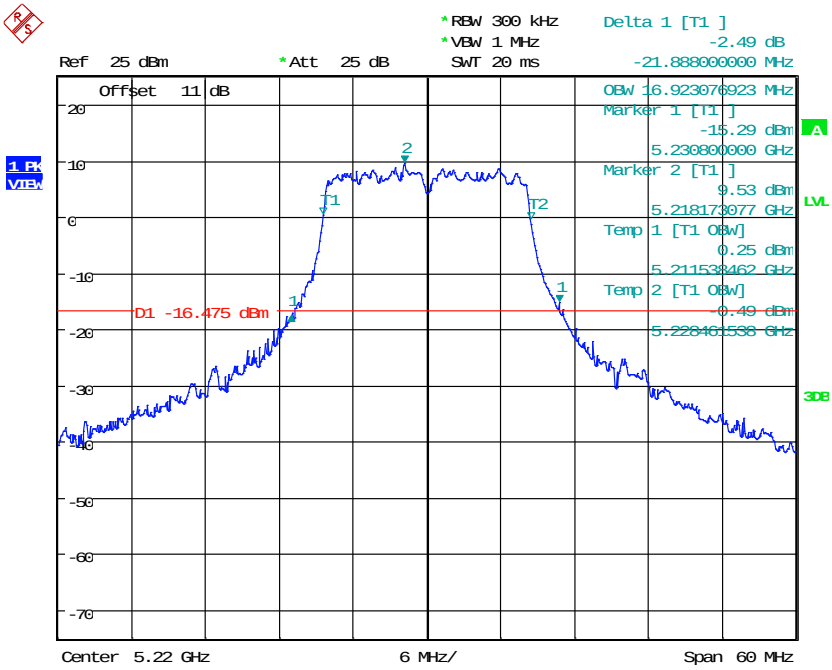
Result:

ANT 1
5.15 GHz ~ 5.25 GHz



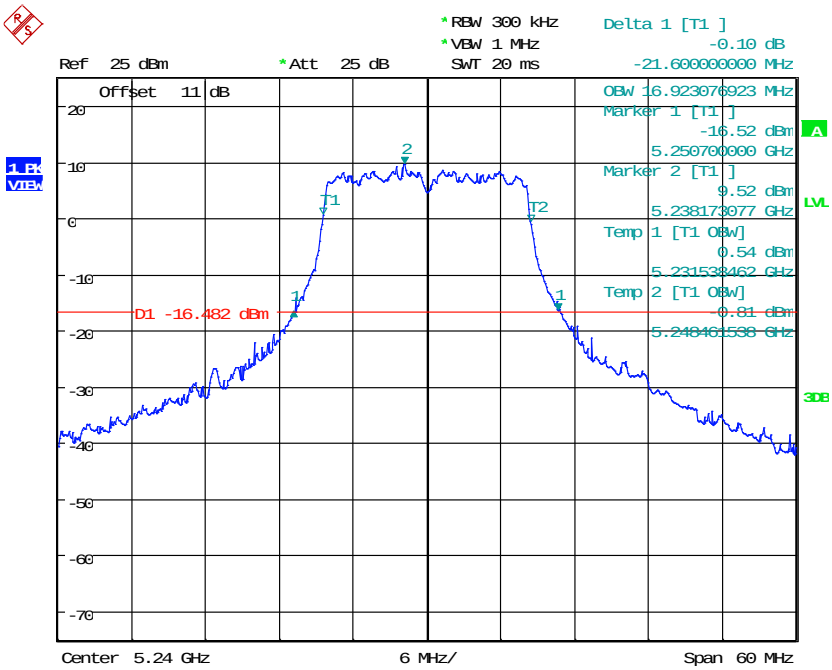
99% OBW & 26DB BANDWIDTH ANT1_11a_CH36
Date: 26.DEC.2019 14:10:08

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT1_11a_CH44

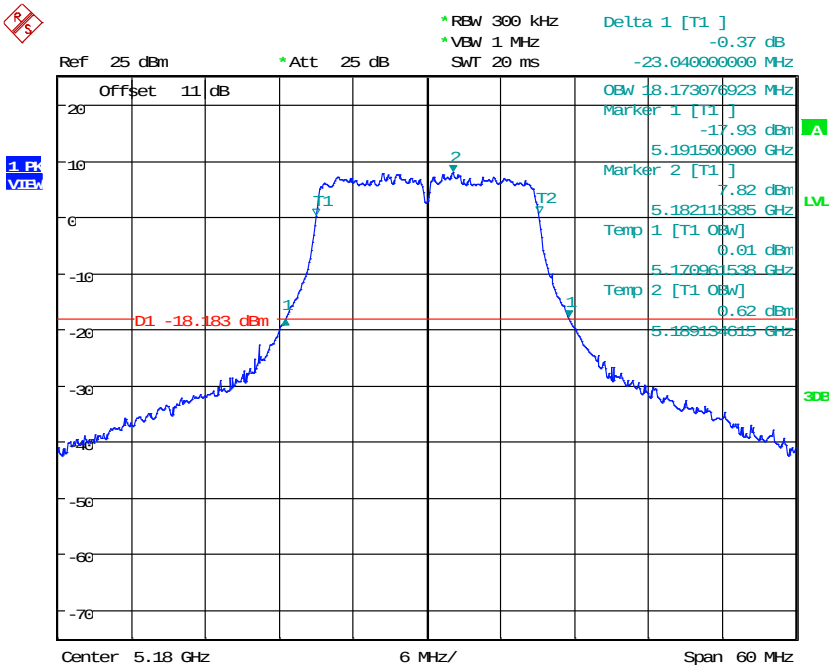
Date: 26.DEC.2019 14:11:47



99% OBW & 26DB BANDWIDTH ANT1_11a_CH48

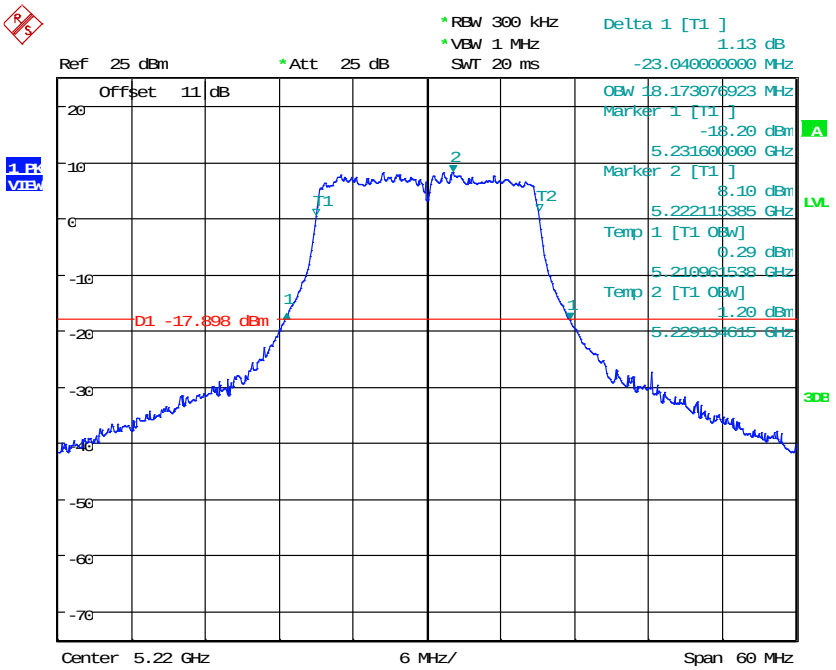
Date: 26.DEC.2019 14:13:53

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT1_11n20_CH36

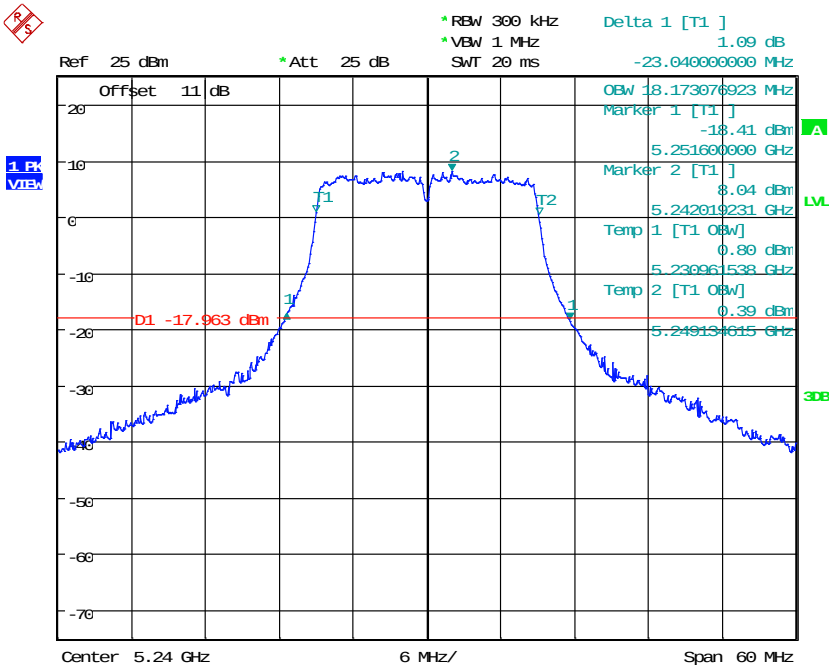
Date: 26.DEC.2019 14:16:55



99% OBW & 26DB BANDWIDTH ANT1_11n20_CH44

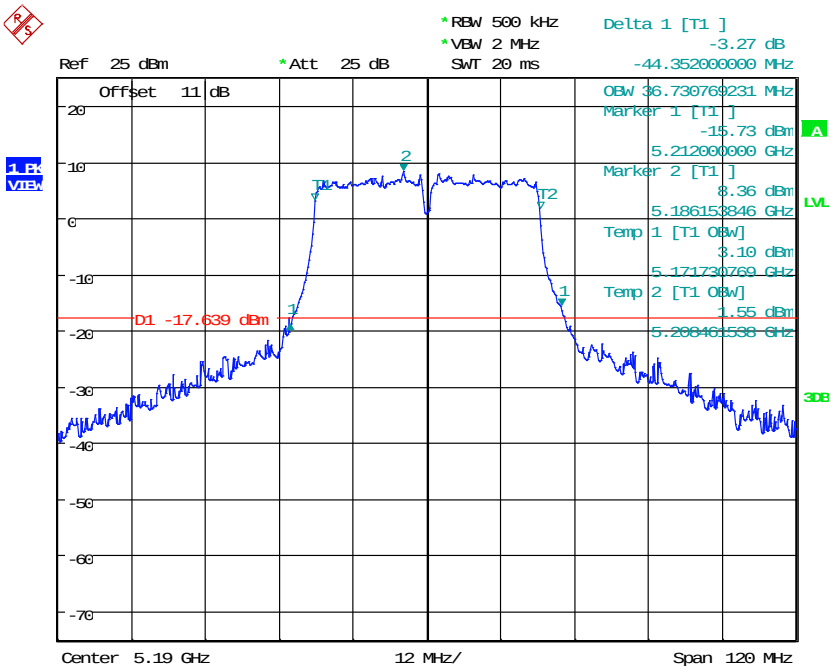
Date: 26.DEC.2019 14:19:12

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT1_11n20_CH48

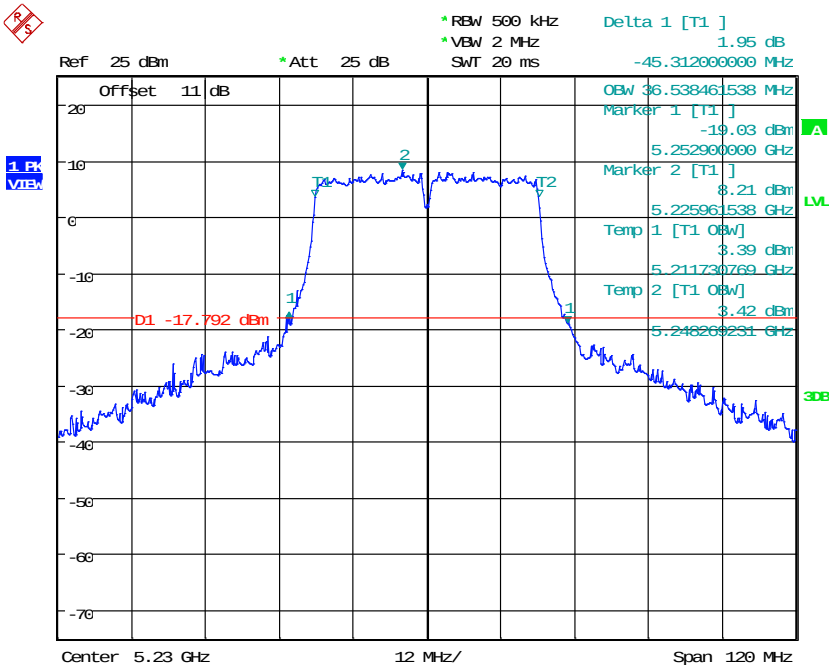
Date: 26.DEC.2019 14:21:13



99% OBW & 26DB BANDWIDTH ANT1_11n40_CH38

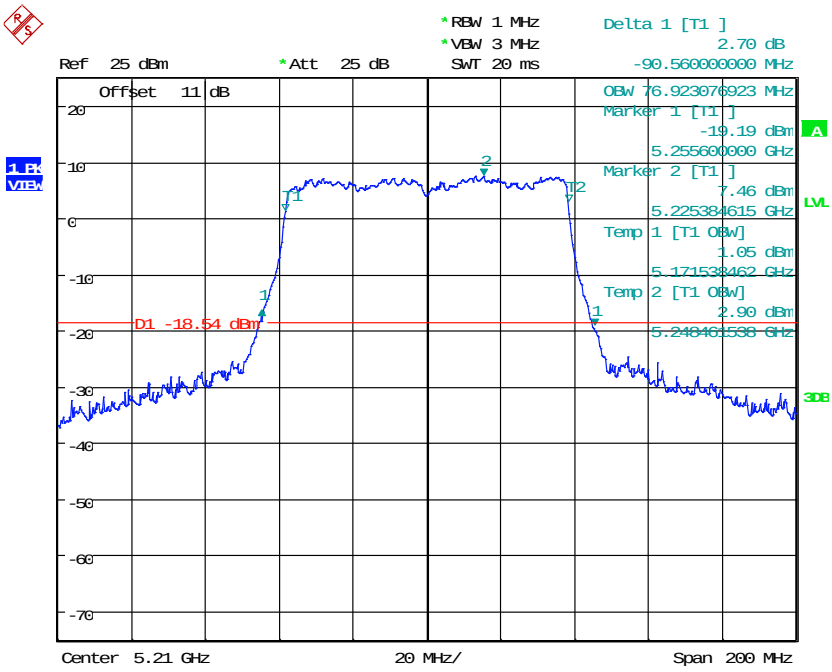
Date: 26.DEC.2019 14:24:37

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT1_11n40_CH46

Date: 26.DEC.2019 14:26:43

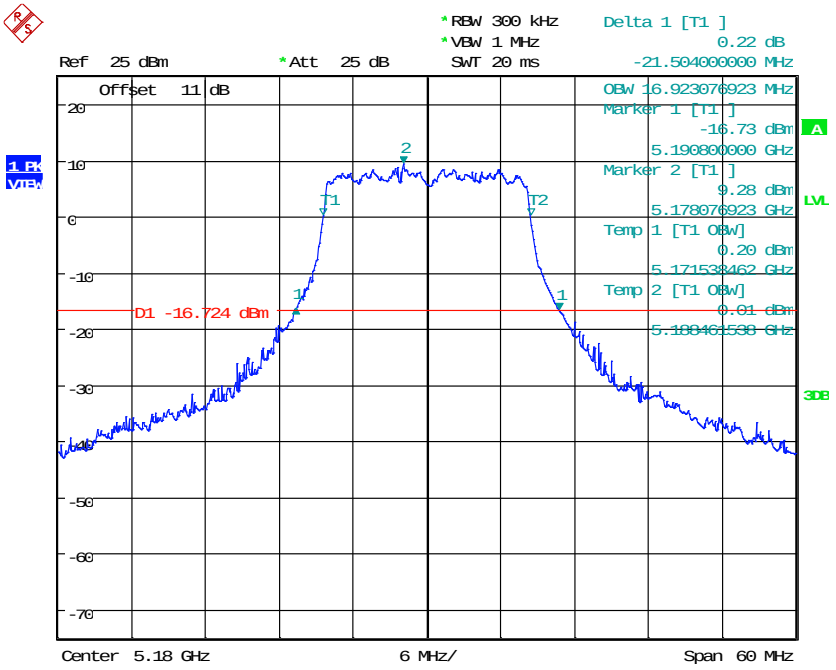


99% OBW & 26DB BANDWIDTH ANT1_11ac80_CH42

Date: 26.DEC.2019 14:31:08

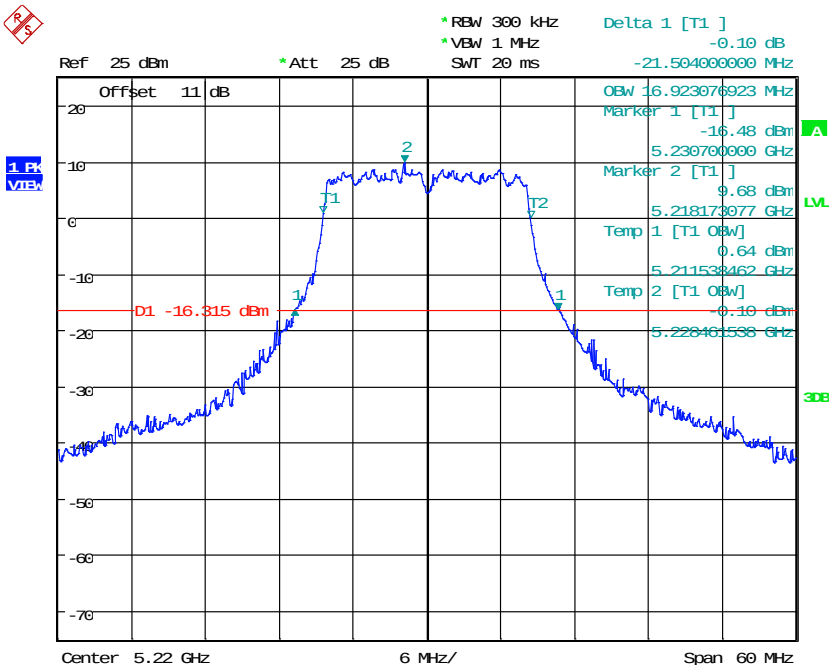
Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

ANT 2
5.15 GHz ~ 5.25 GHz



99% OBW & 26DB BANDWIDTH ANT2_11a_CH36

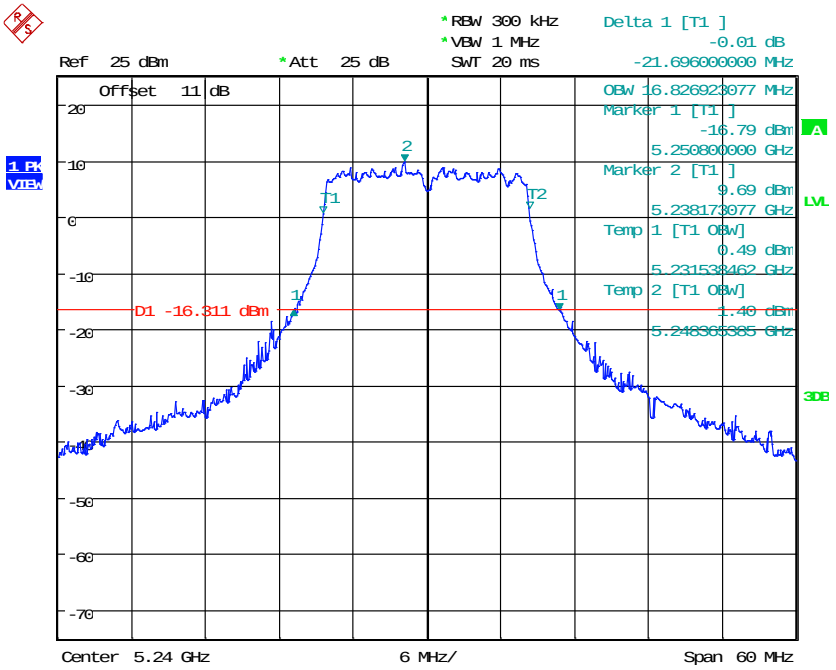
Date: 26.DEC.2019 14:48:43



99% OBW & 26DB BANDWIDTH ANT2_11a_CH44

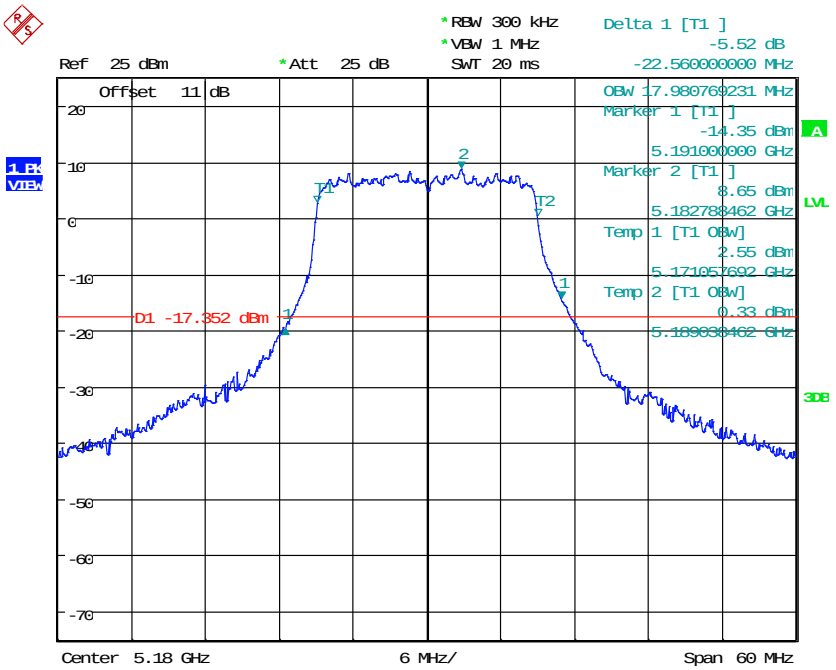
Date: 26.DEC.2019 14:51:06

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT2_11a_CH48

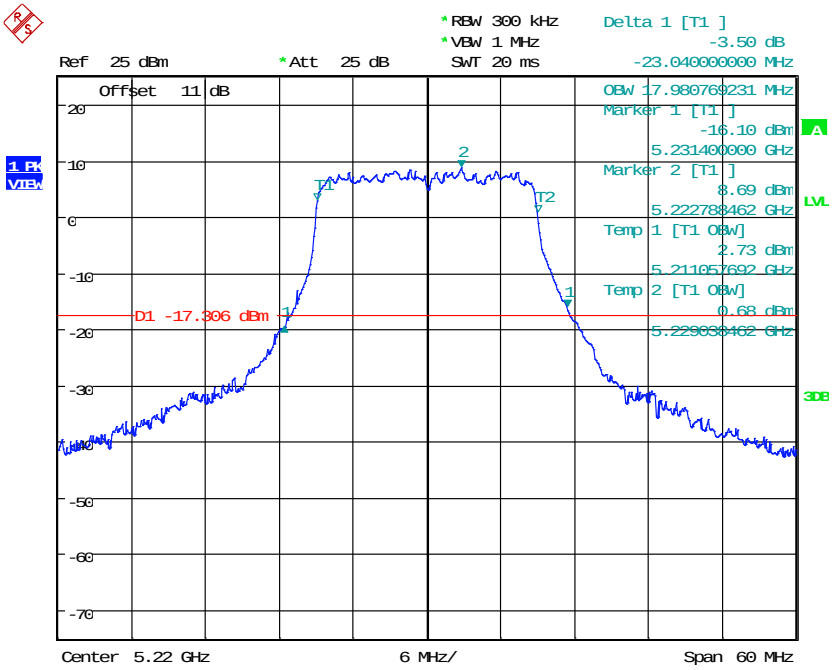
Date: 26.DEC.2019 14:52:45



99% OBW & 26DB BANDWIDTH ANT2_11n20_CH36

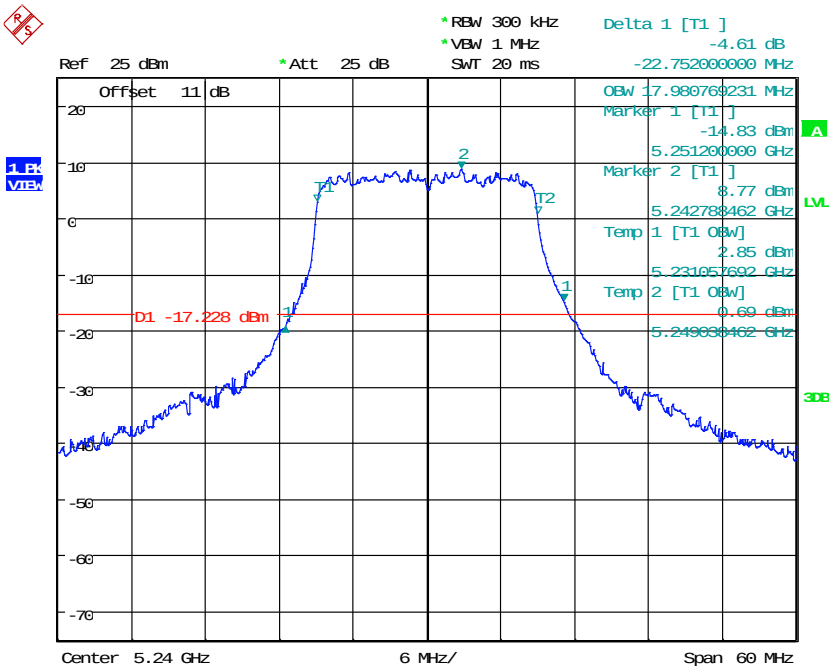
Date: 26.DEC.2019 14:42:02

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT2_11n20_CH44

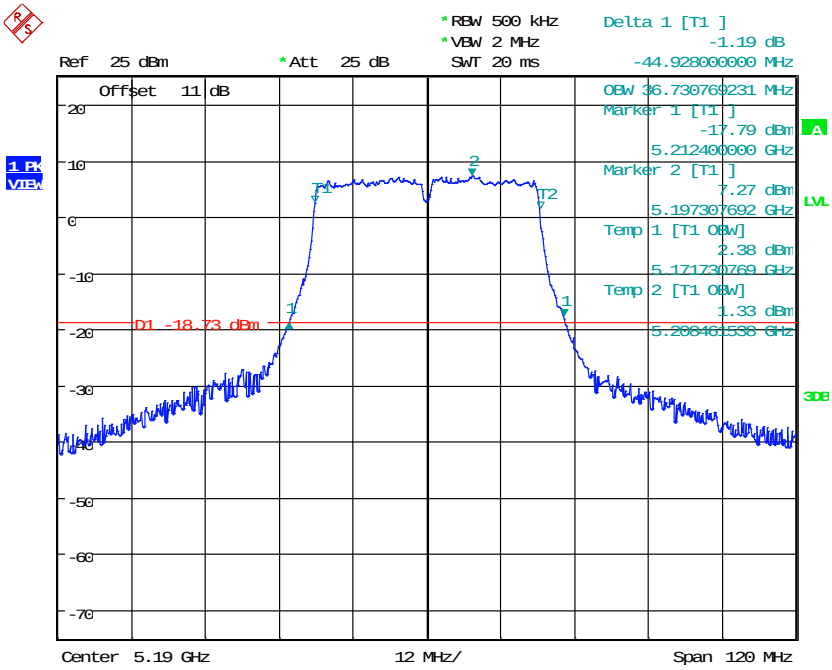
Date: 26.DEC.2019 14:44:13



99% OBW & 26DB BANDWIDTH ANT2_11n20_CH48

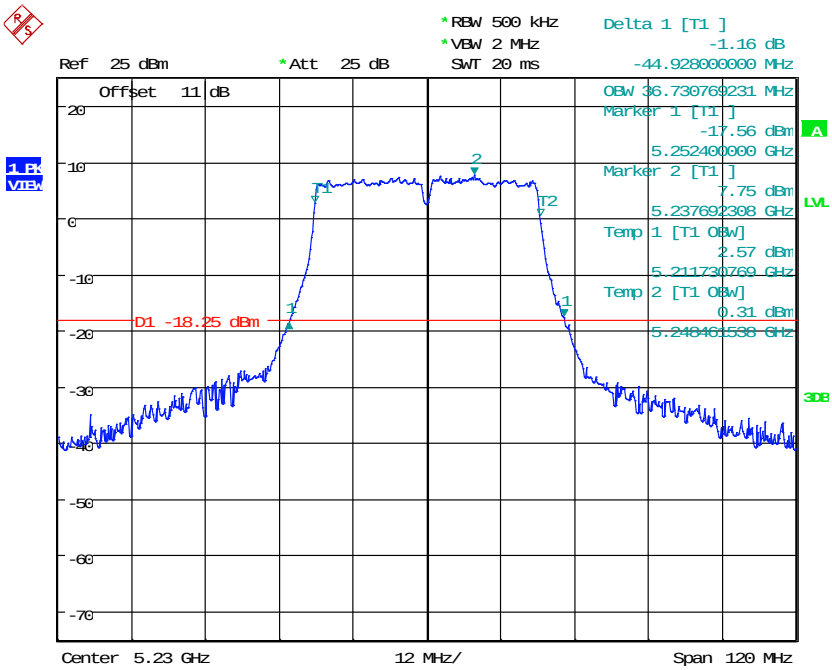
Date: 26.DEC.2019 14:46:42

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT2_11n40_CH38

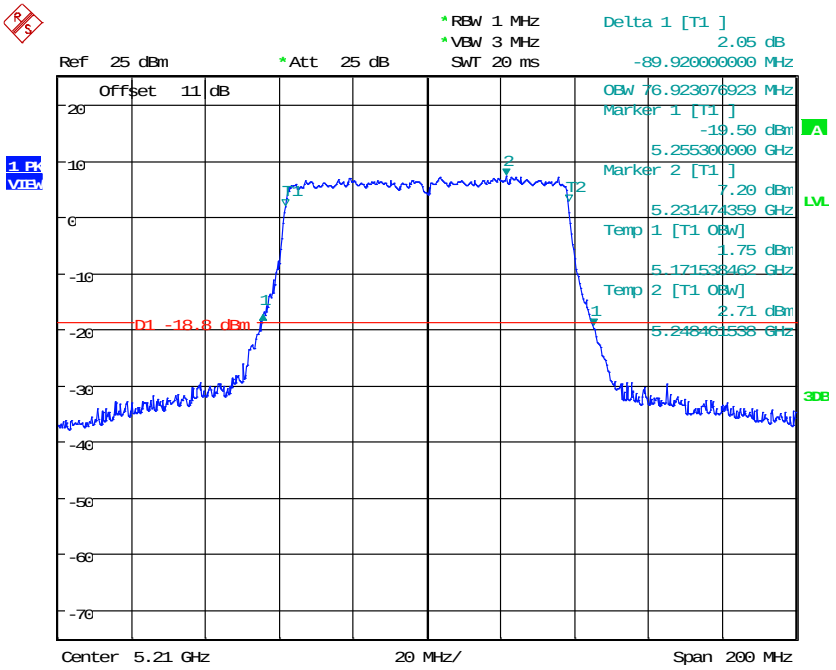
Date: 26.DEC.2019 14:37:49



99% OBW & 26DB BANDWIDTH ANT2_11n40_CH46

Date: 26.DEC.2019 14:39:49

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 26DB BANDWIDTH ANT2_11ac80_CH42
Date: 26.DEC.2019 14:35:48

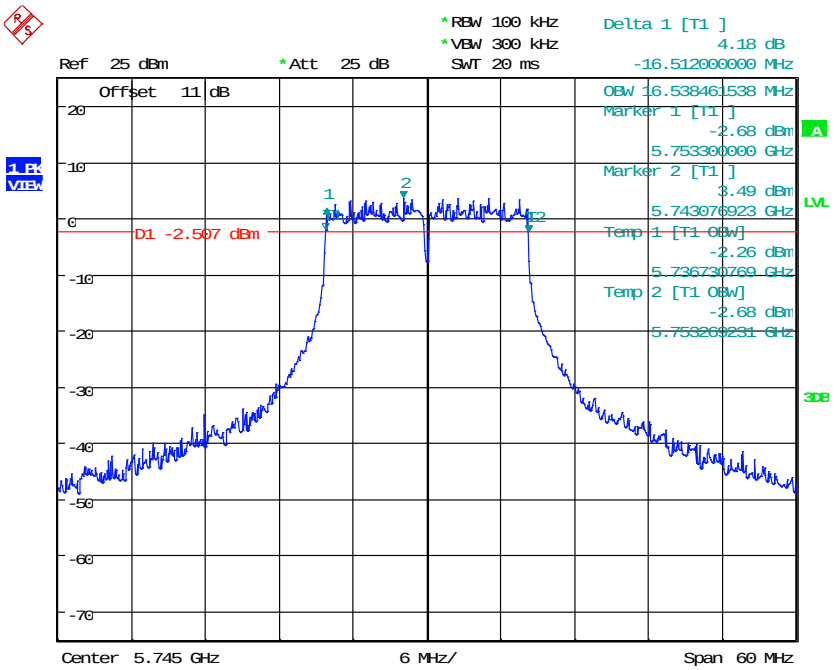
Test equipment used: ETSTW-RE 055, ETSTW-RE 050

3.3 6dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

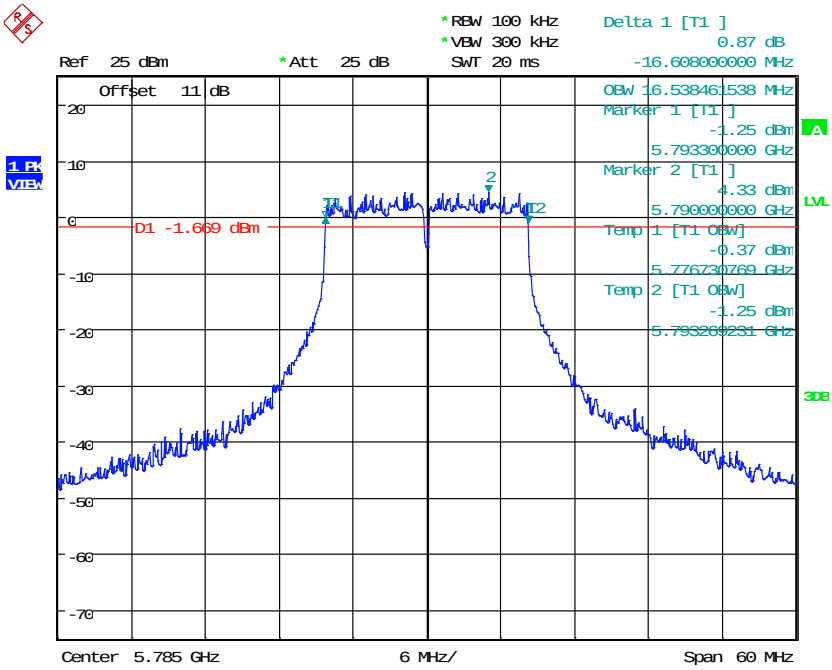
Result:

ANT 1
5.725 GHz ~ 5.85 GHz



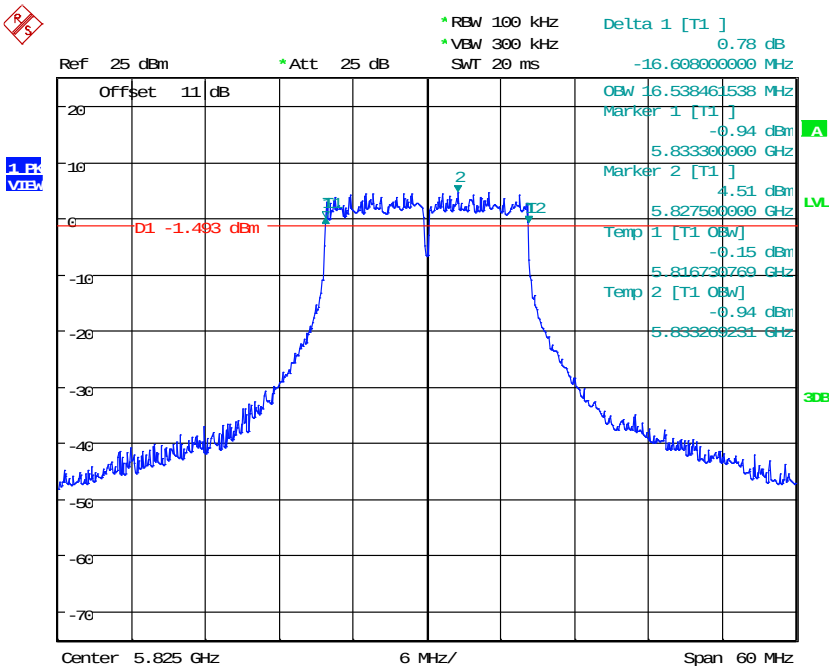
99% OBW & 6DB BANDWIDTH ANT1_11a_CH149
Date: 26.DEC.2019 15:49:57

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT1_11a_CH157

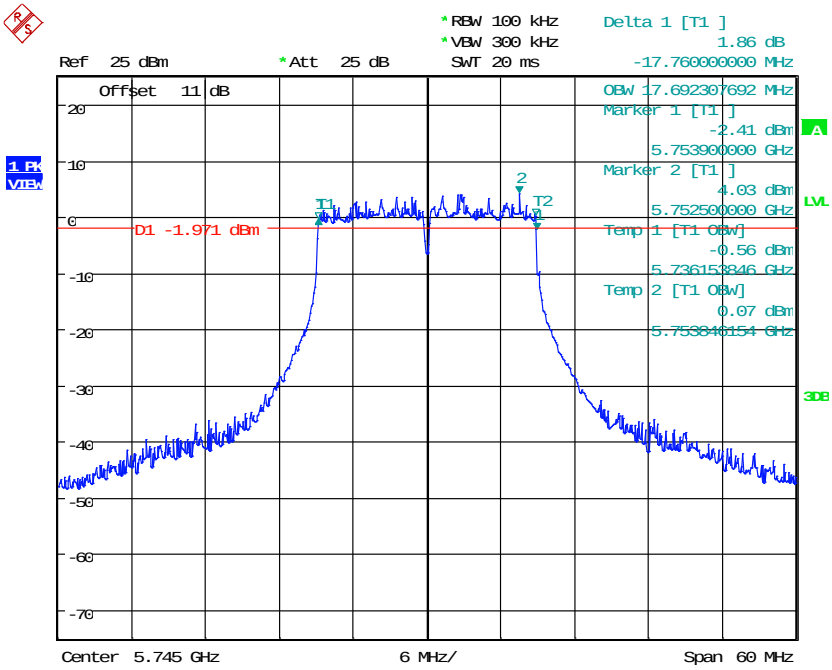
Date: 26.DEC.2019 15:51:14



99% OBW & 6DB BANDWIDTH ANT1_11a_CH165

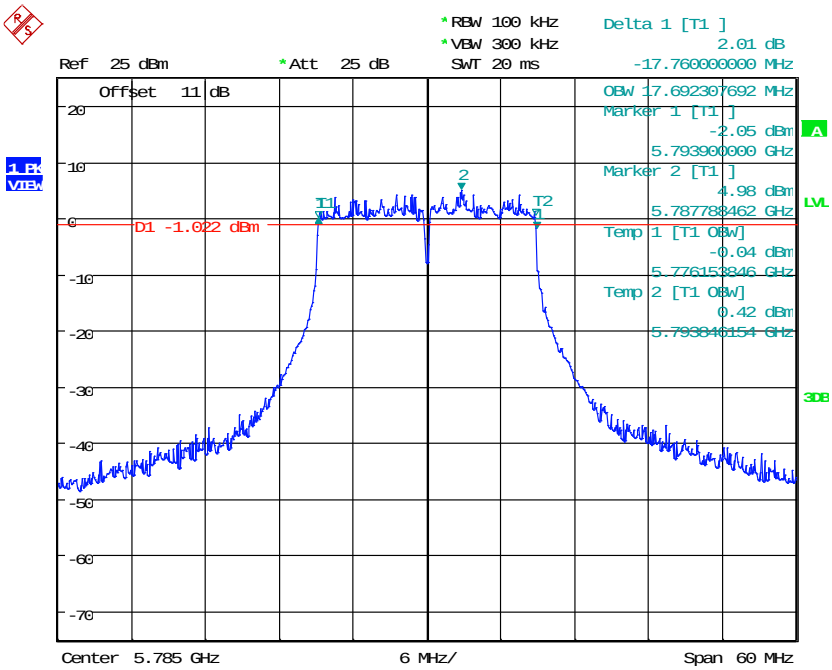
Date: 26.DEC.2019 15:52:36

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT1_11n20_CH149

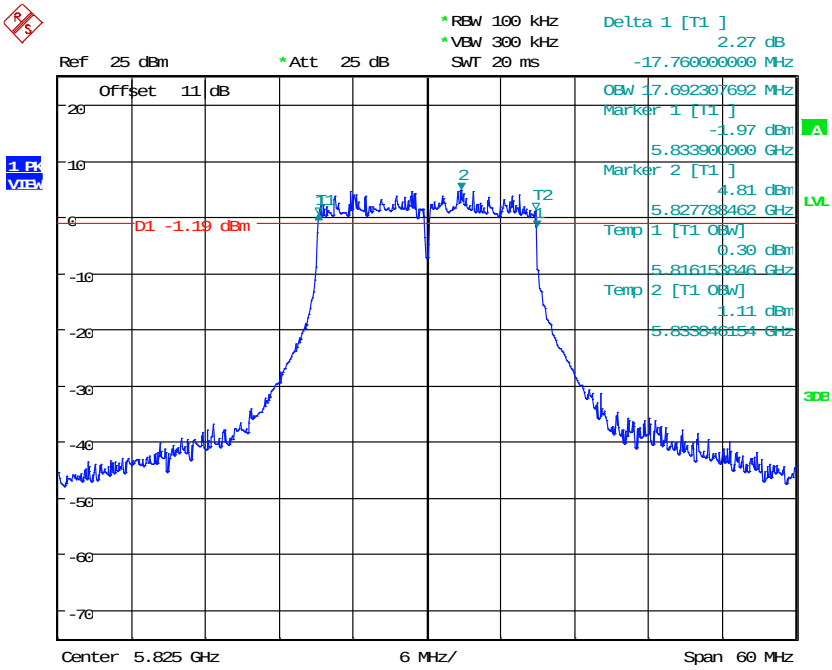
Date: 26.DEC.2019 15:54:15



99% OBW & 6DB BANDWIDTH ANT1_11n20_CH157

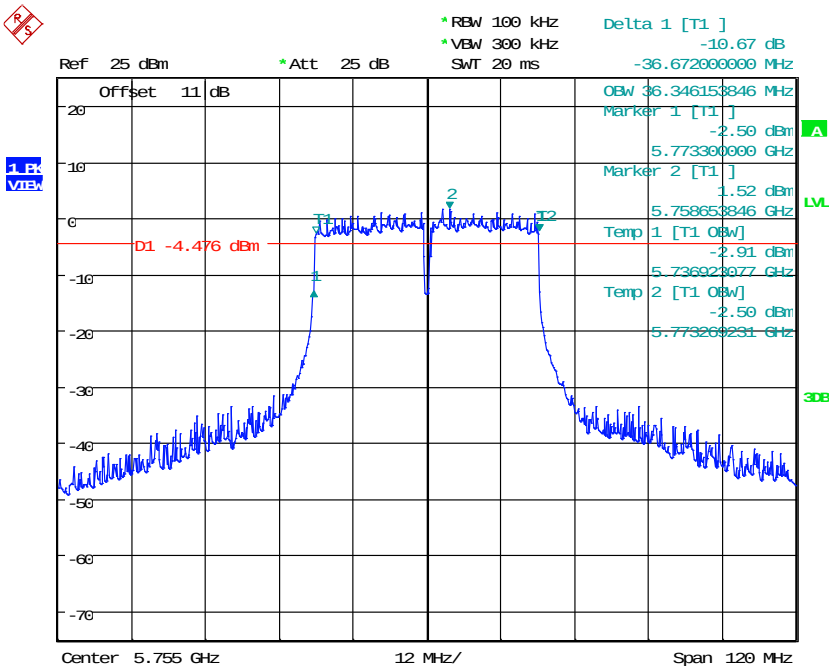
Date: 26.DEC.2019 15:55:26

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT1_11n20_CH165

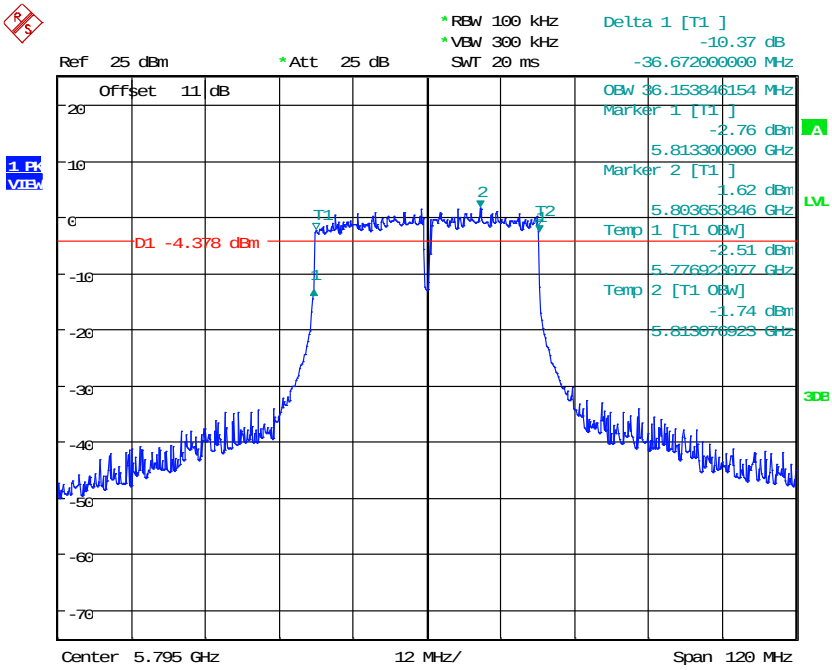
Date: 26.DEC.2019 15:57:27



99% OBW & 6DB BANDWIDTH ANT1_11n40_CH151

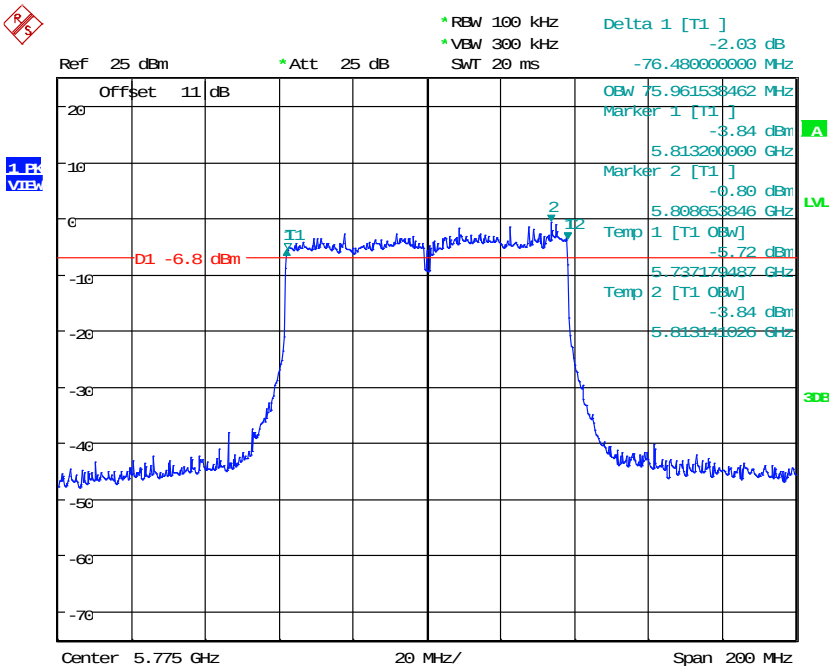
Date: 26.DEC.2019 15:59:07

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT1_11n40_CH159

Date: 26.DEC.2019 16:00:18

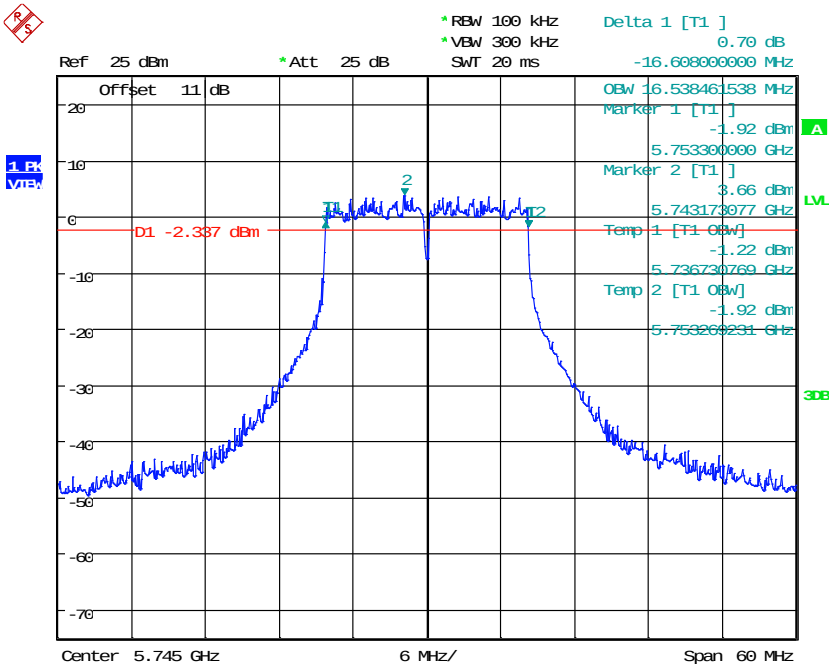


99% OBW & 6DB BANDWIDTH ANT1_11ac80_CH155

Date: 26.DEC.2019 16:02:57

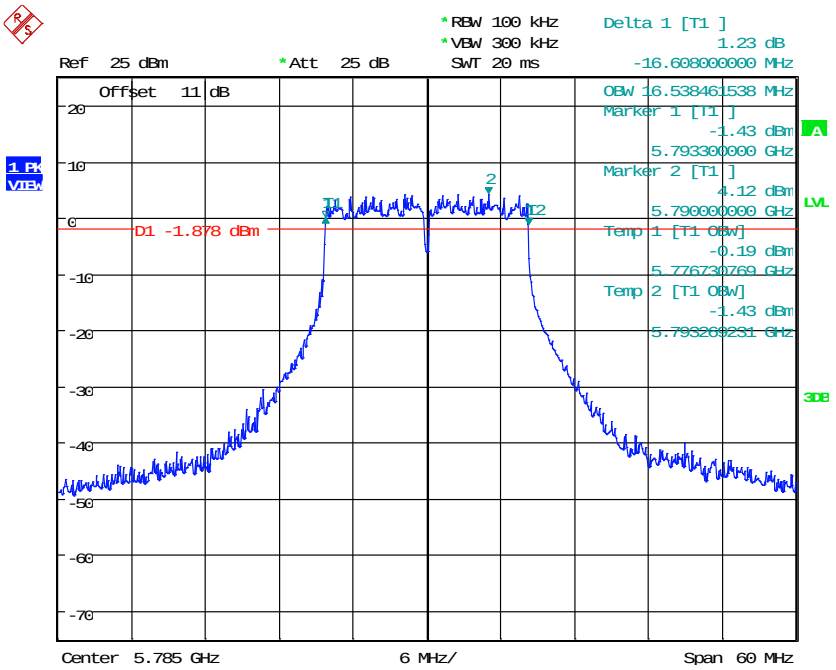
Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

ANT 2
5.725 GHz ~ 5.85 GHz



99% OBW & 6DB BANDWIDTH ANT2_11a_CH149

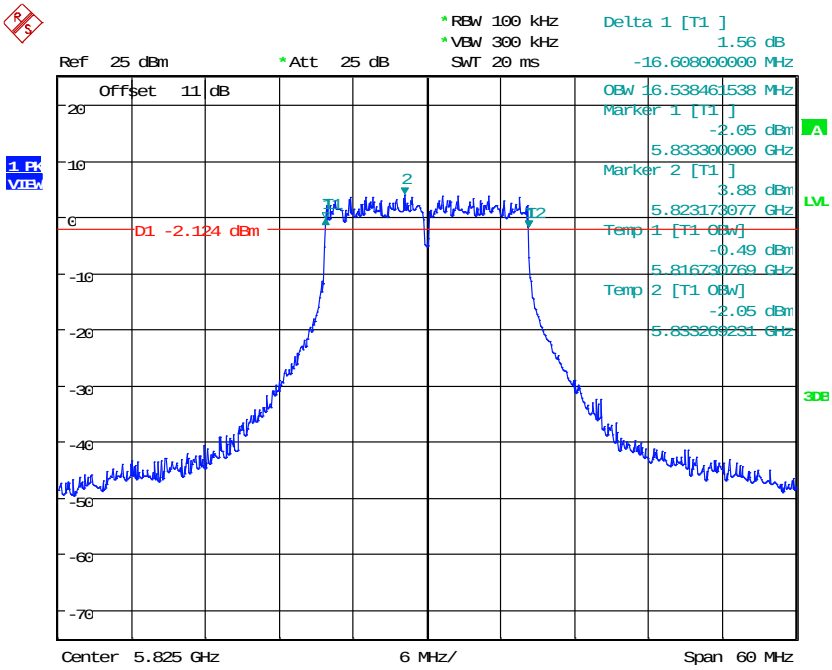
Date: 26.DEC.2019 16:22:23



99% OBW & 6DB BANDWIDTH ANT2_11a_CH157

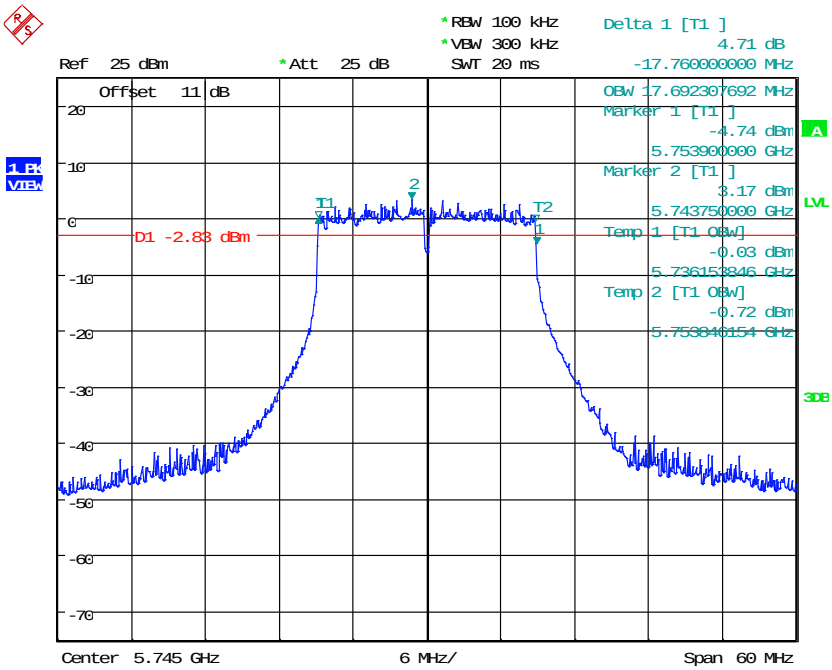
Date: 26.DEC.2019 16:23:51

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT2_11a_CH165

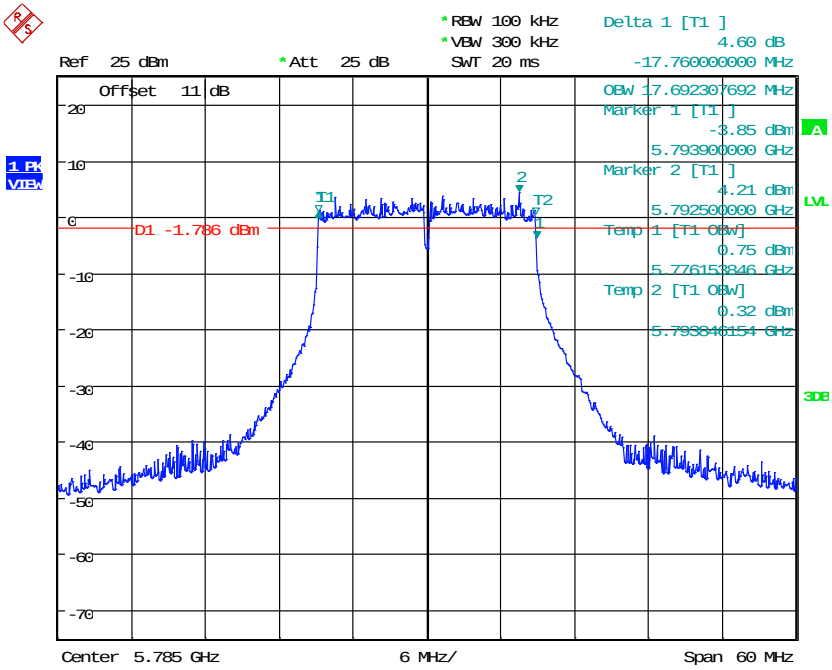
Date: 26.DEC.2019 16:26:14



99% OBW & 6DB BANDWIDTH ANT2_11n20_CH149

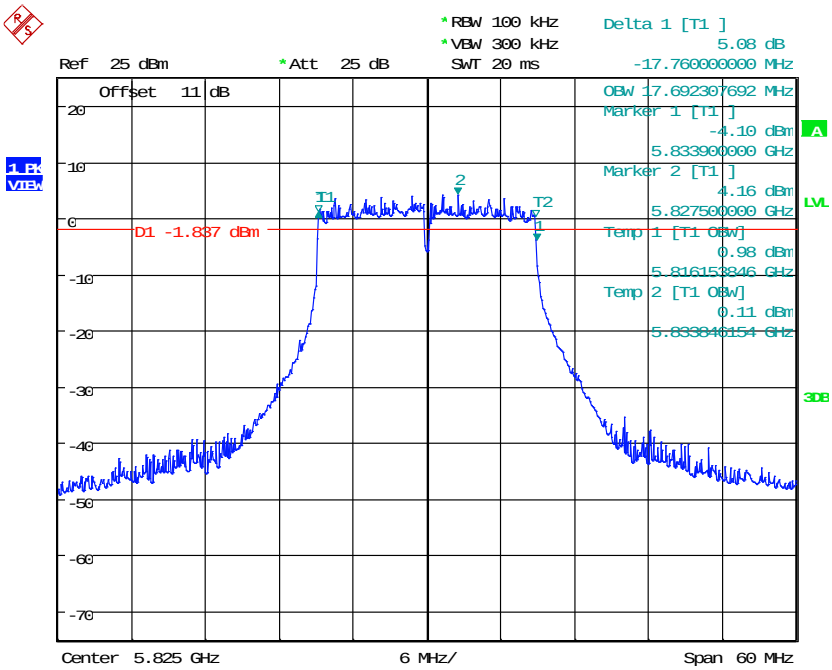
Date: 26.DEC.2019 16:14:52

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT2_11n20_CH157

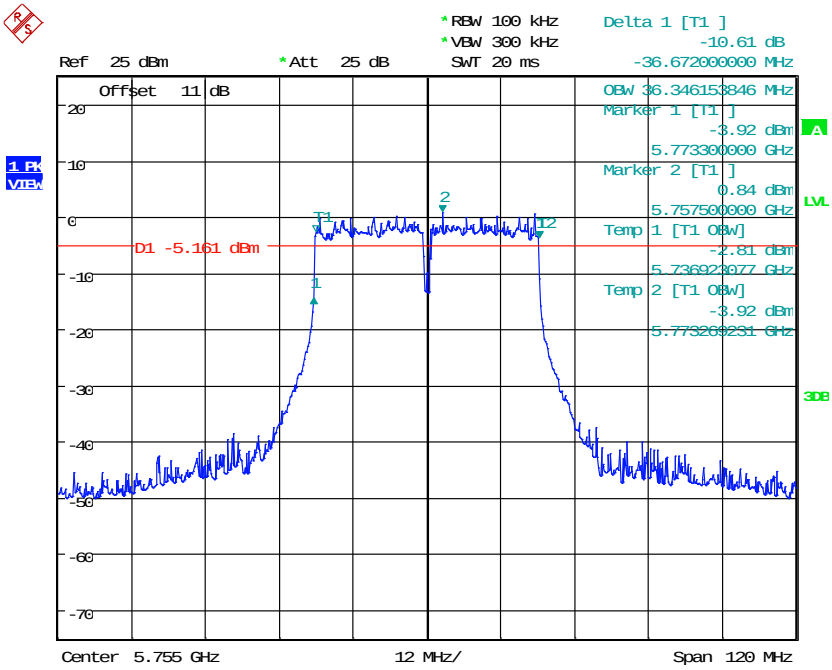
Date: 26.DEC.2019 16:16:15



99% OBW & 6DB BANDWIDTH ANT2_11n20_CH165

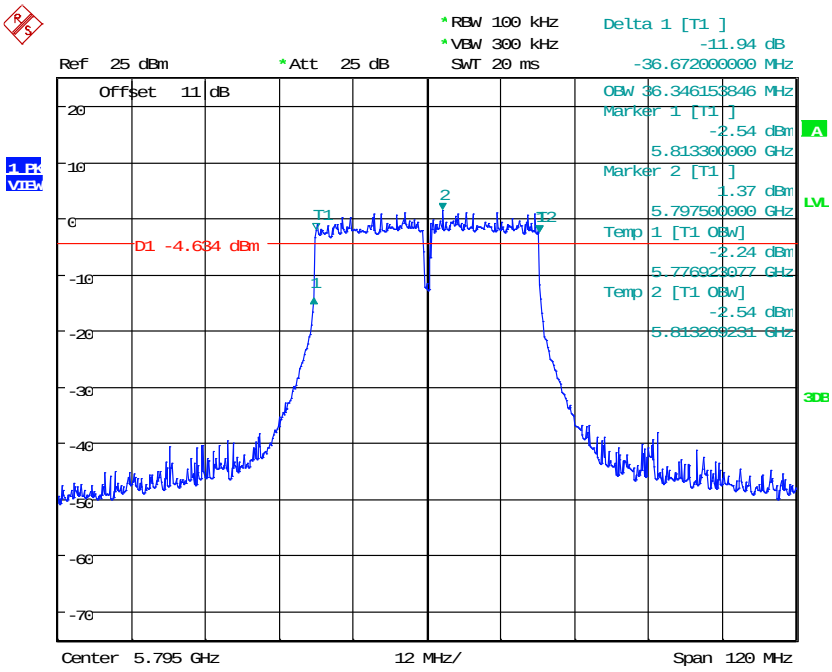
Date: 26.DEC.2019 16:17:59

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



99% OBW & 6DB BANDWIDTH ANT2_11n40_CH151

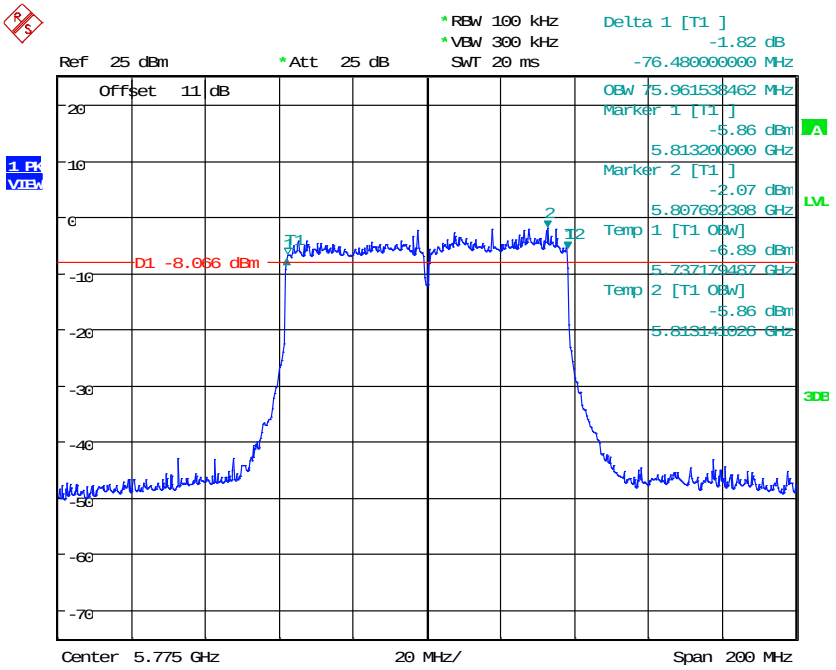
Date: 26.DEC.2019 16:11:34



99% OBW & 6DB BANDWIDTH ANT2_11n40_CH159

Date: 26.DEC.2019 16:12:57

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



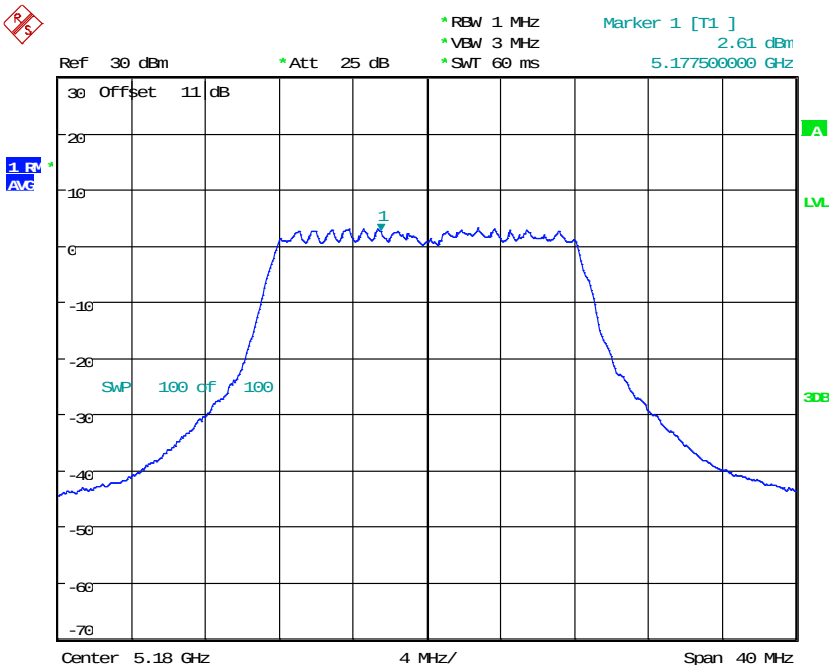
99% OBW & 6DB BANDWIDTH ANT2_11ac80_CH155
Date: 26.DEC.2019 16:09:11

3.4 Peak Power Spectral Density, FCC 15.407 (a)

According to §15.407(a)

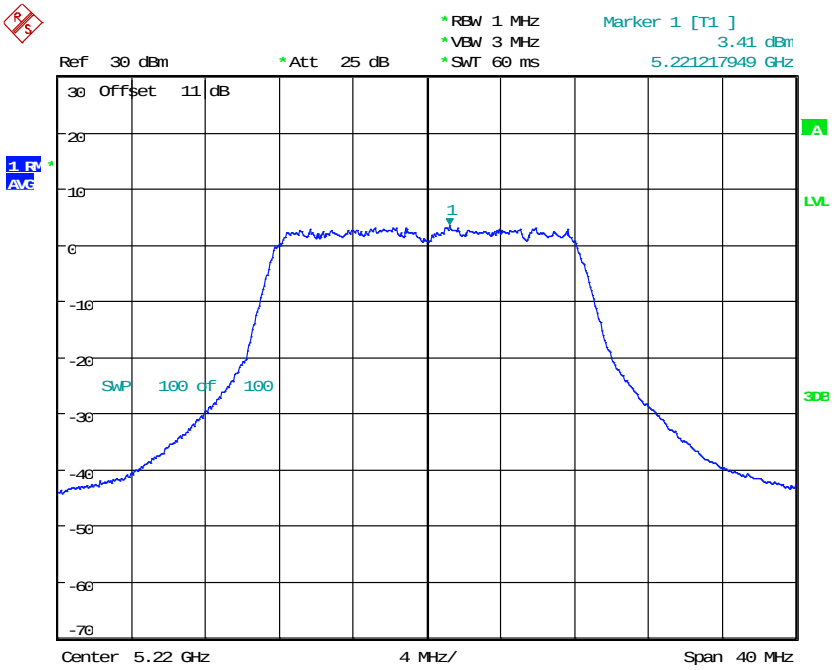
1. For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm/MHz for master device and 11 dBm/MHz for mobile/portable client device.
2. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the peak power spectral density shall not exceed 11 dBm/MHz.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm/500kHz.

ANT 1
5.15 GHz ~ 5.25 GHz

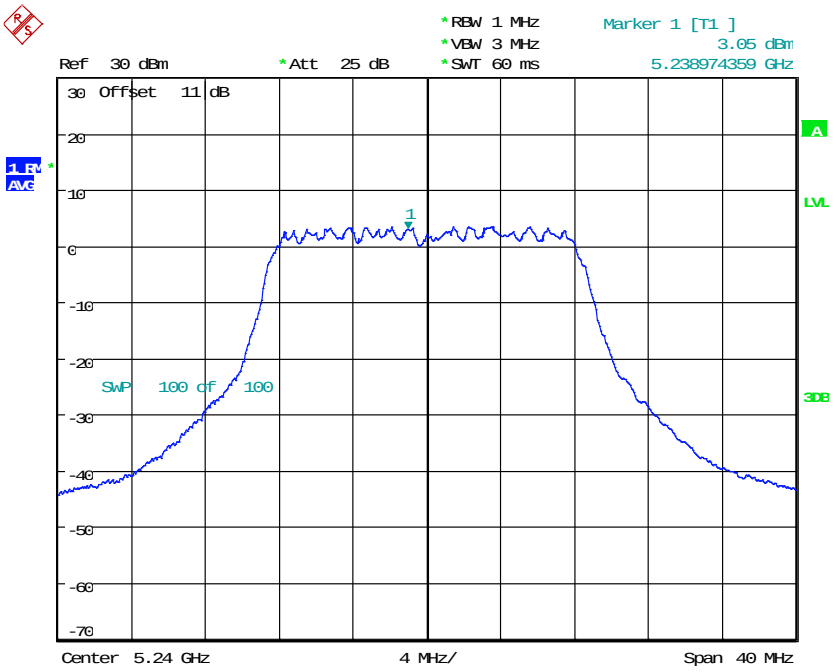


POWER DENSITY AV ANT111aCH36
Date: 26.DEC.2019 14:09:49

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

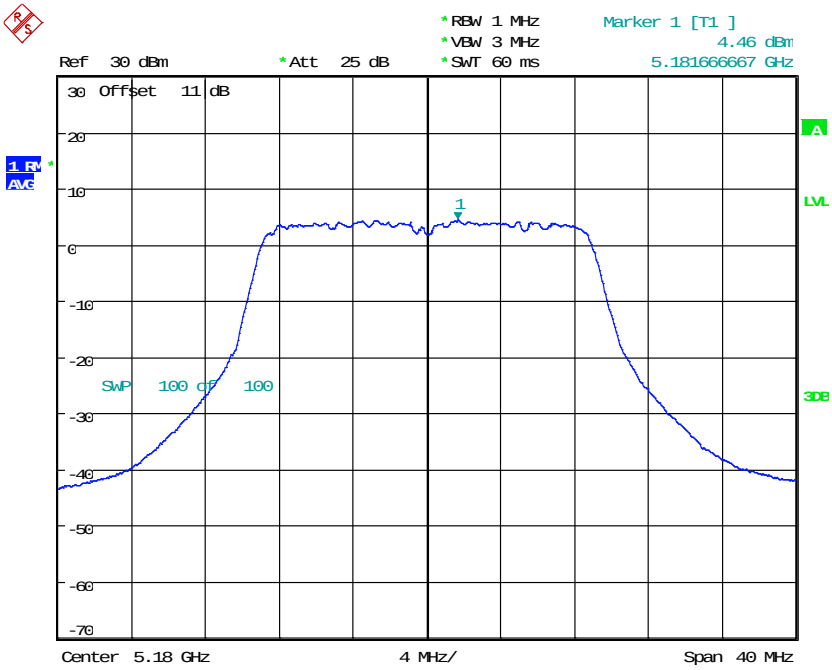


POWER DENSITY AV ANT111aCH44
Date: 26.DEC.2019 14:11:33

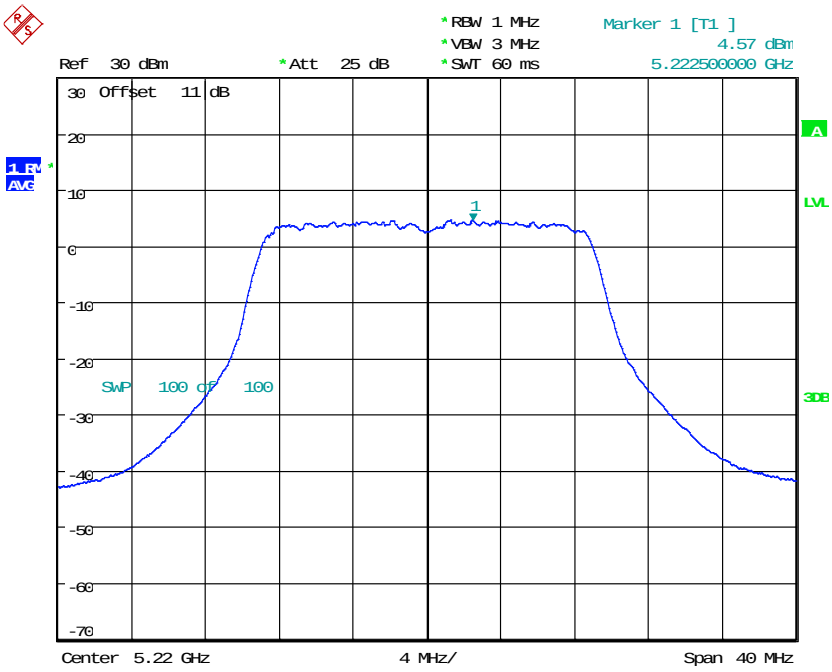


POWER DENSITY AV ANT111aCH48
Date: 26.DEC.2019 14:13:37

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

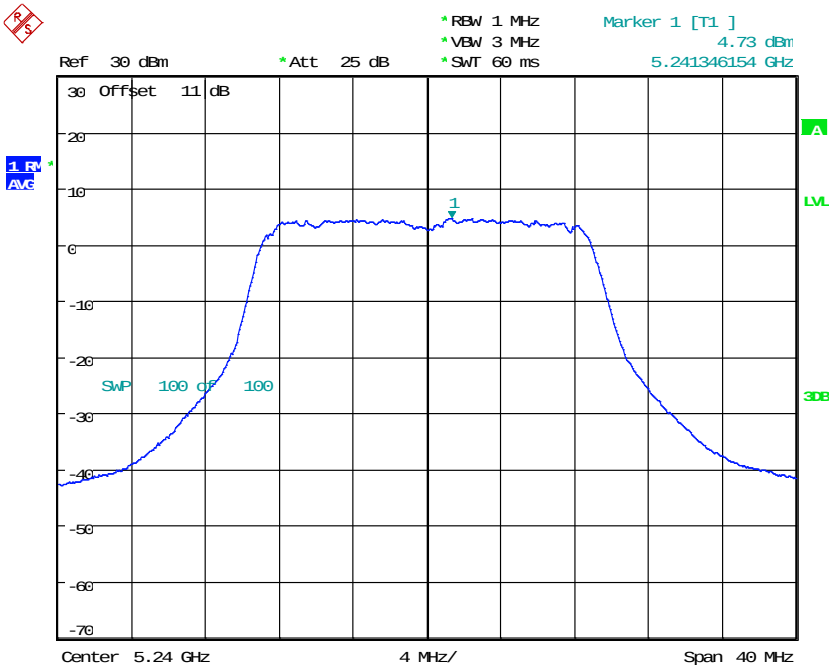


POWER DENSITY AV ANT111n20CH36
Date: 26.DEC.2019 14:16:39

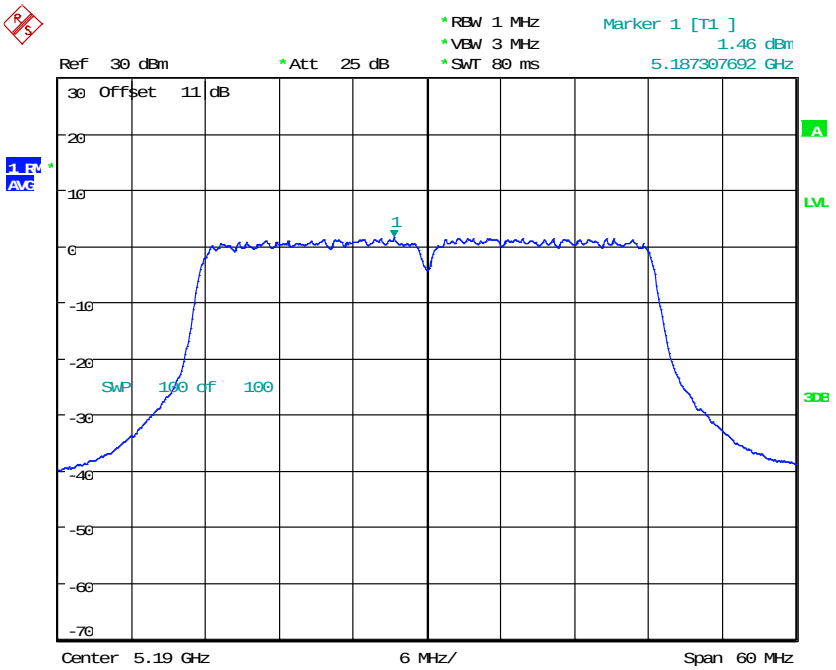


POWER DENSITY AV ANT111n20CH44
Date: 26.DEC.2019 14:18:55

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

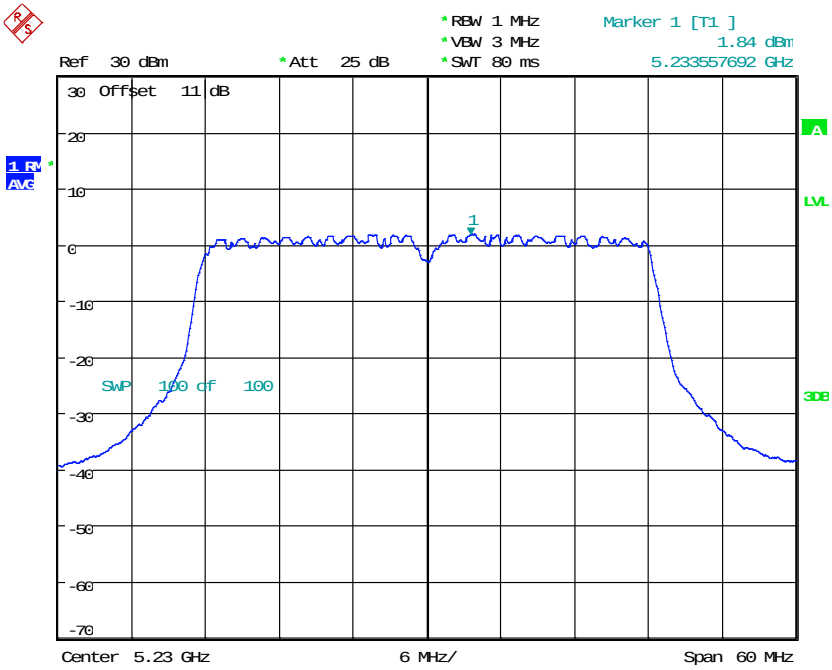


POWER DENSITY AV ANT111n20CH48
Date: 26.DEC.2019 14:20:59

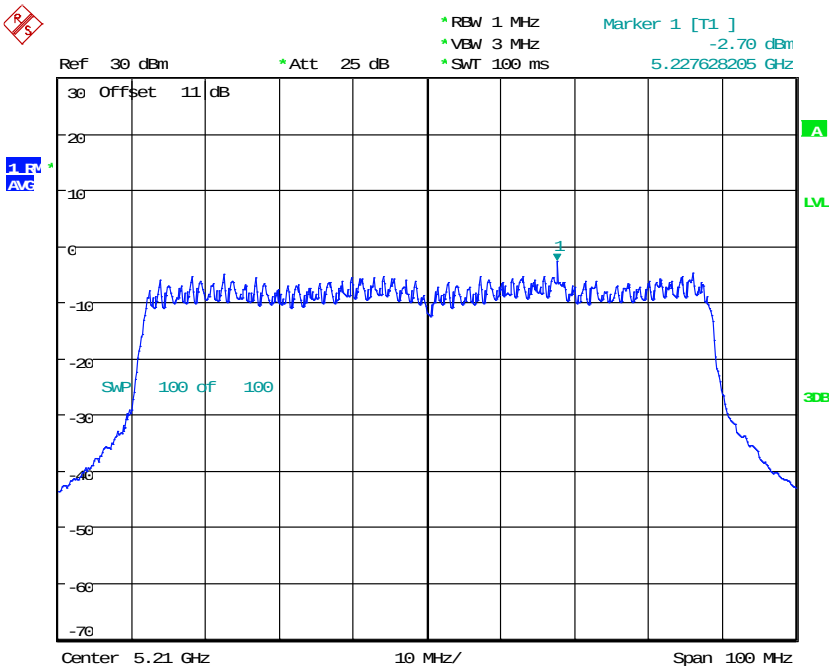


POWER DENSITY AV ANT111n40CH38
Date: 26.DEC.2019 14:24:19

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



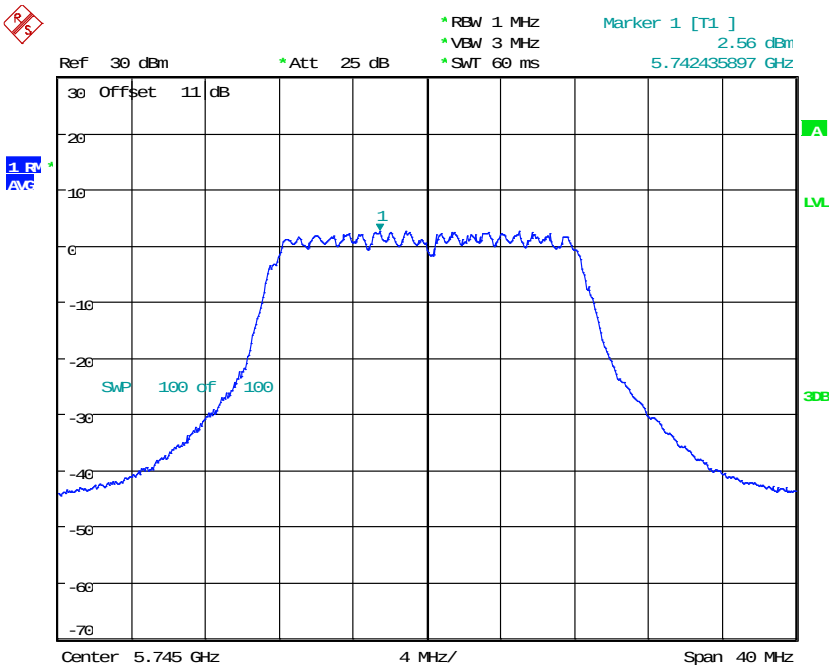
POWER DENSITY AV ANT111n40CH46
Date: 26.DEC.2019 14:26:27



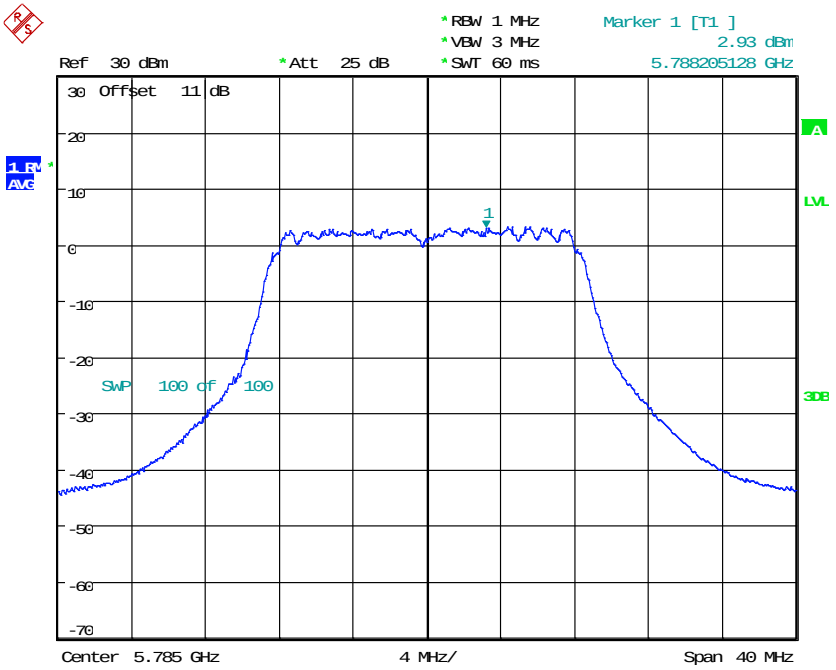
POWER DENSITY AV ANT111ac80CH42
Date: 26.DEC.2019 14:30:52

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725 GHz ~ 5.85 GHz

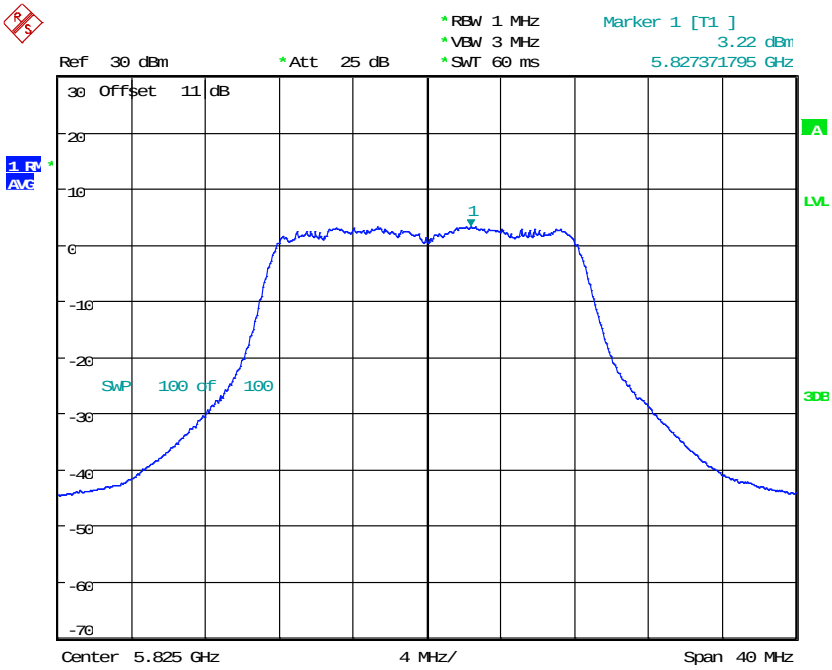


POWER DENSITY AV ANT111aCH149
Date: 26.DEC.2019 15:49:43

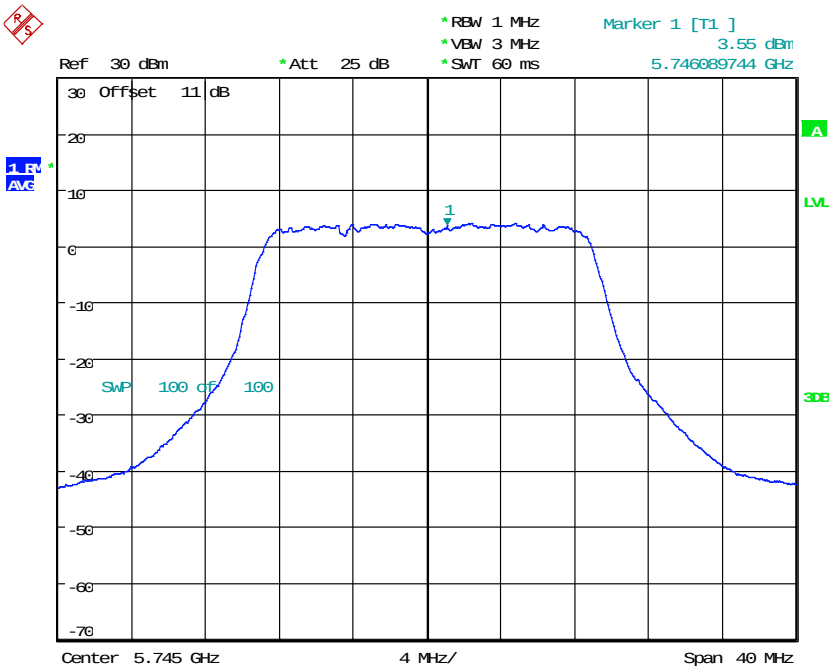


POWER DENSITY AV ANT111aCH157
Date: 26.DEC.2019 15:51:00

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

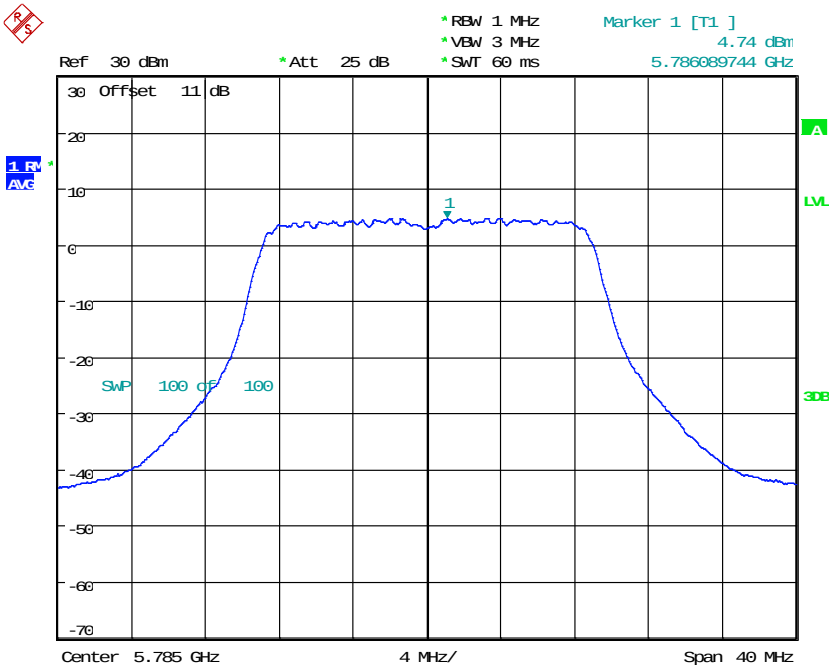


POWER DENSITY AV ANT111aCH165
Date: 26.DEC.2019 15:52:18

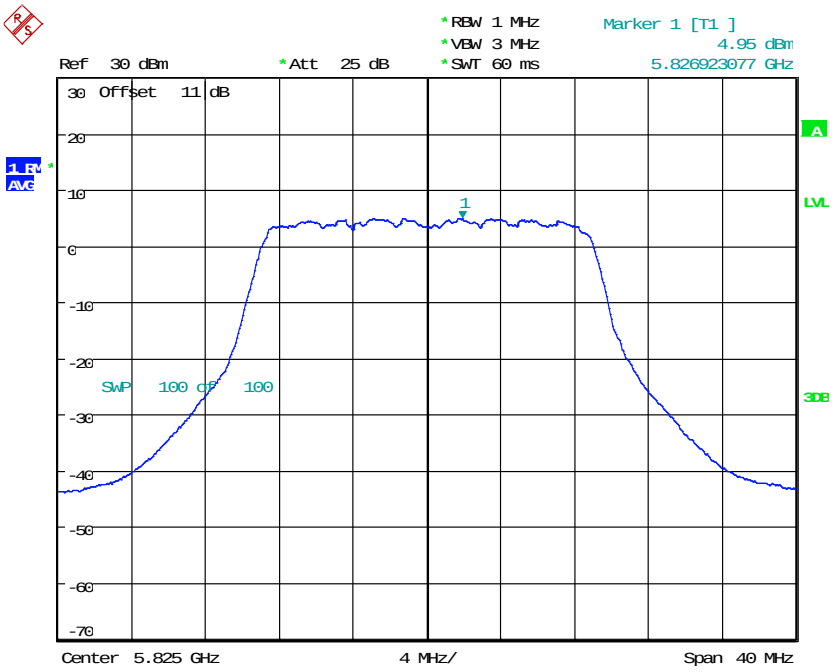


POWER DENSITY AV ANT111n20CH149
Date: 26.DEC.2019 15:54:01

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

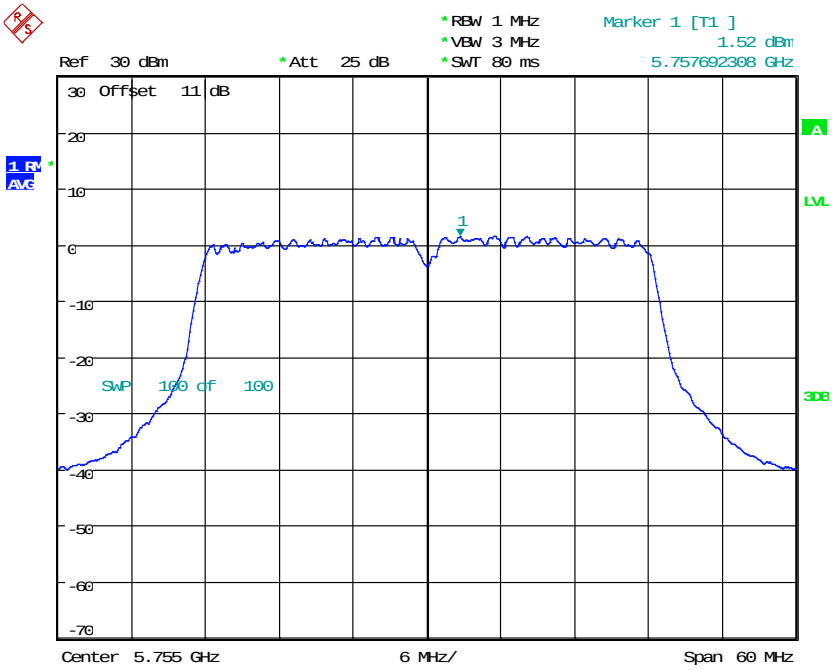


POWER DENSITY AV ANT111n20CH157
Date: 26.DEC.2019 15:55:13

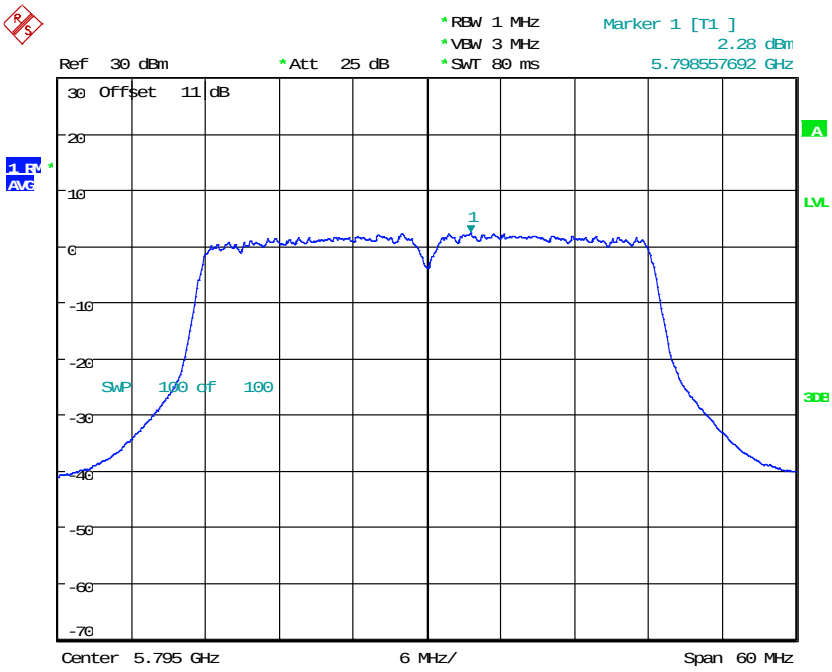


POWER DENSITY AV ANT111n20CH165
Date: 26.DEC.2019 15:57:10

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

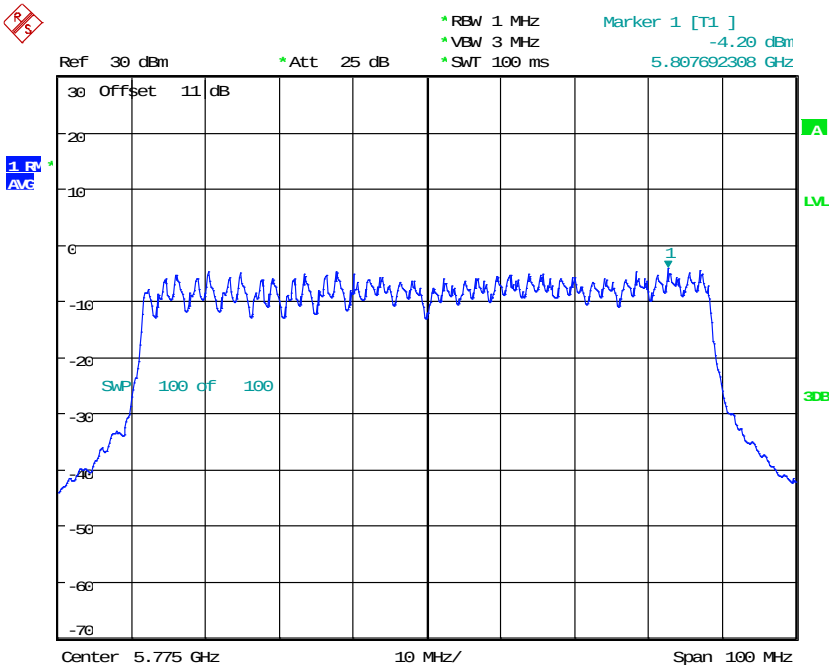


POWER DENSITY AV ANT111n40CH151
Date: 26.DEC.2019 15:58:48



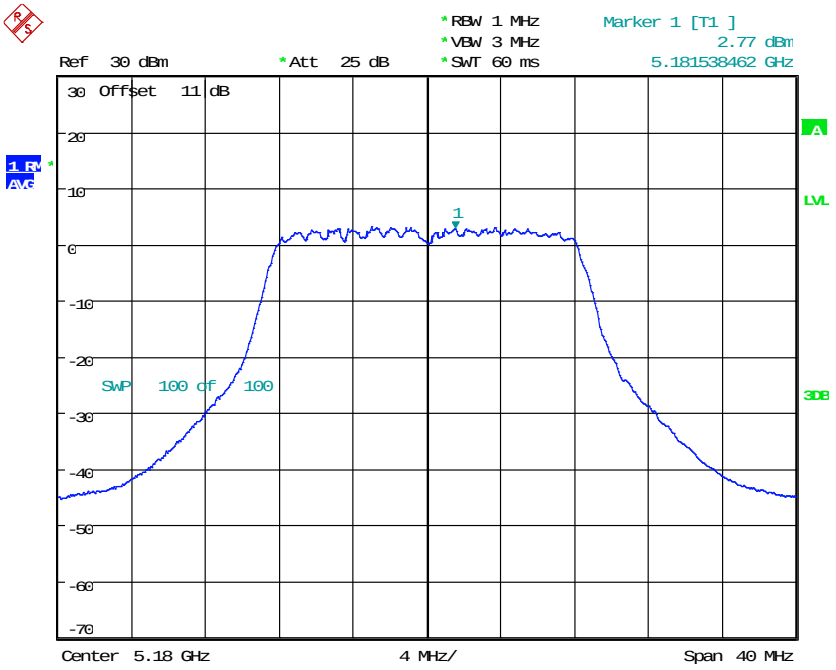
POWER DENSITY AV ANT111n40CH159
Date: 26.DEC.2019 16:00:03

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



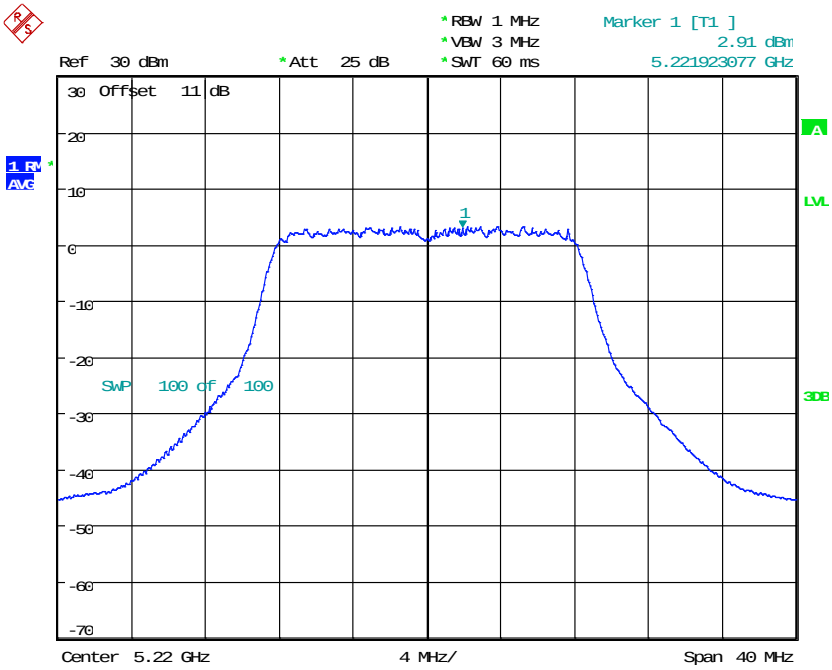
POWER DENSITY AV ANT111ac80CH155
Date: 26.DEC.2019 16:02:41

ANT 2
5.15 GHz ~ 5.25 GHz

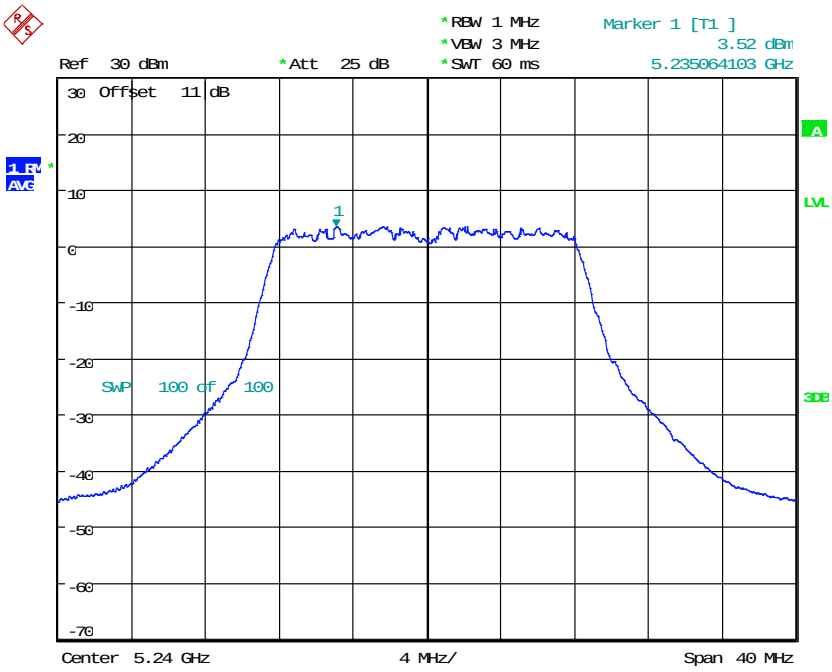


POWER DENSITY AV ANT211aCH36
Date: 26.DEC.2019 14:48:29

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

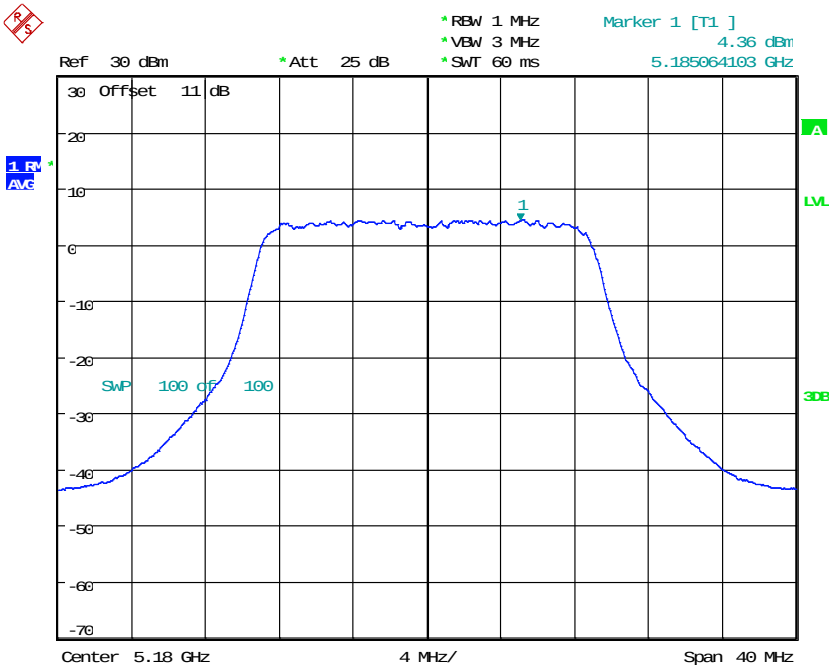


POWER DENSITY AV ANT211aCH44
Date: 26.DEC.2019 14:50:52

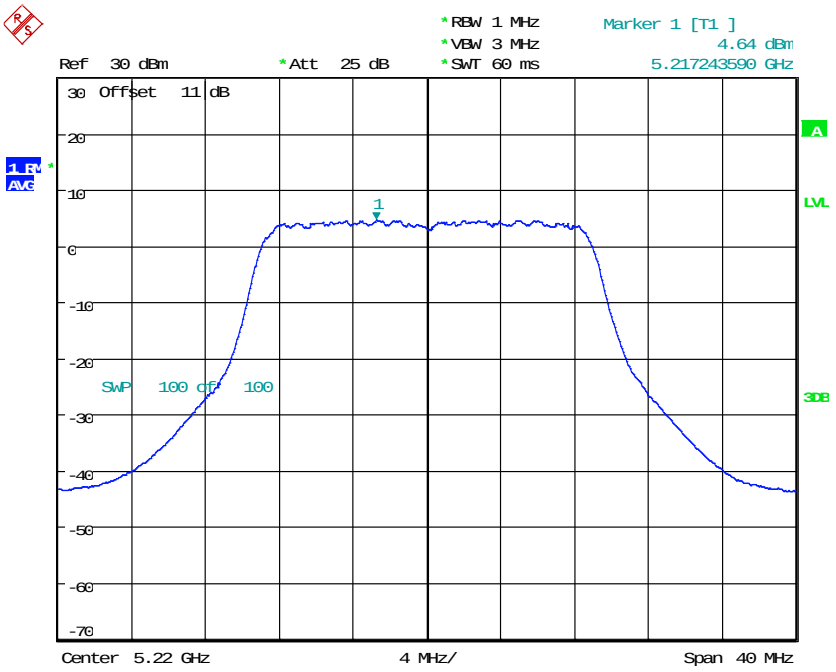


POWER DENSITY AV ANT211aCH48
Date: 26.DEC.2019 14:52:30

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

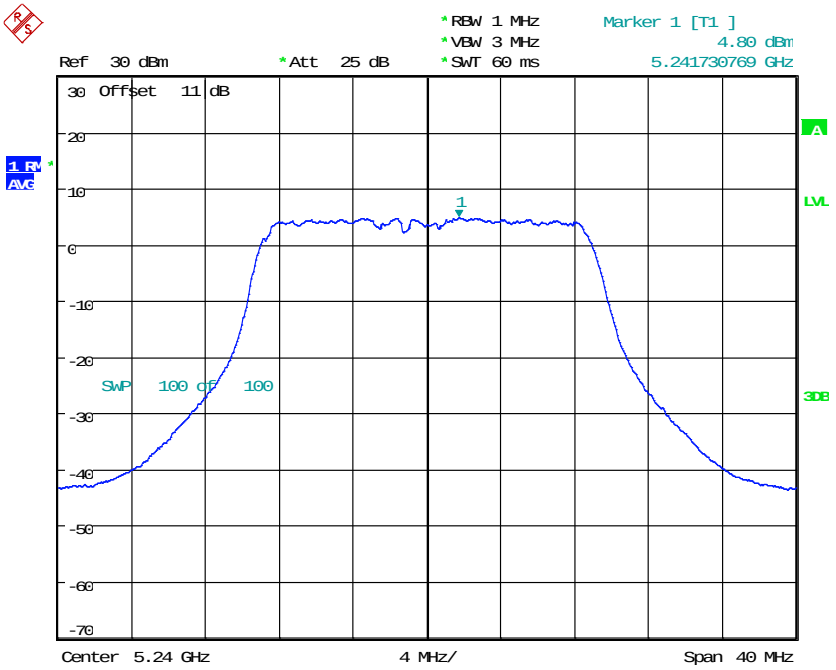


POWER DENSITY AV ANT211n20CH36
Date: 26.DEC.2019 14:41:46

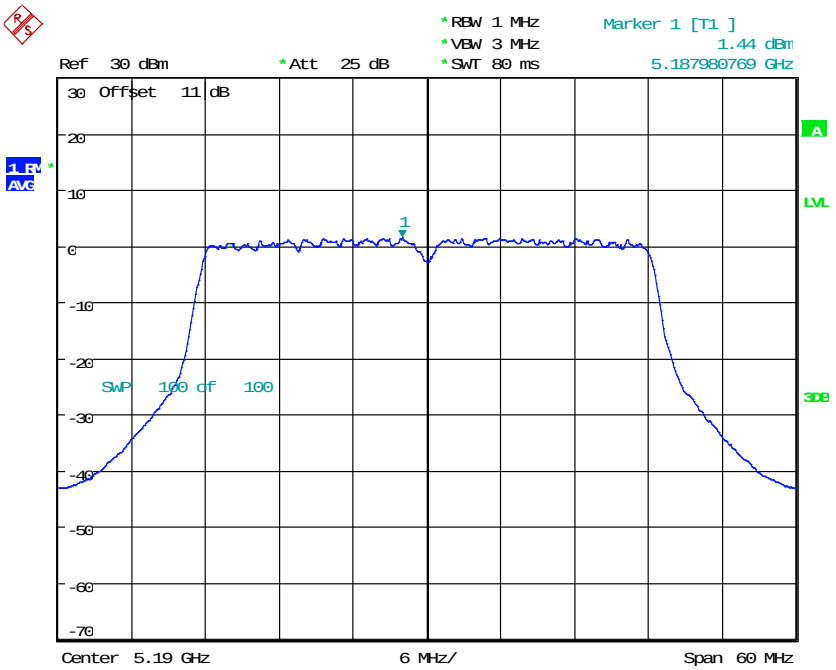


POWER DENSITY AV ANT211n20CH44
Date: 26.DEC.2019 14:43:56

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

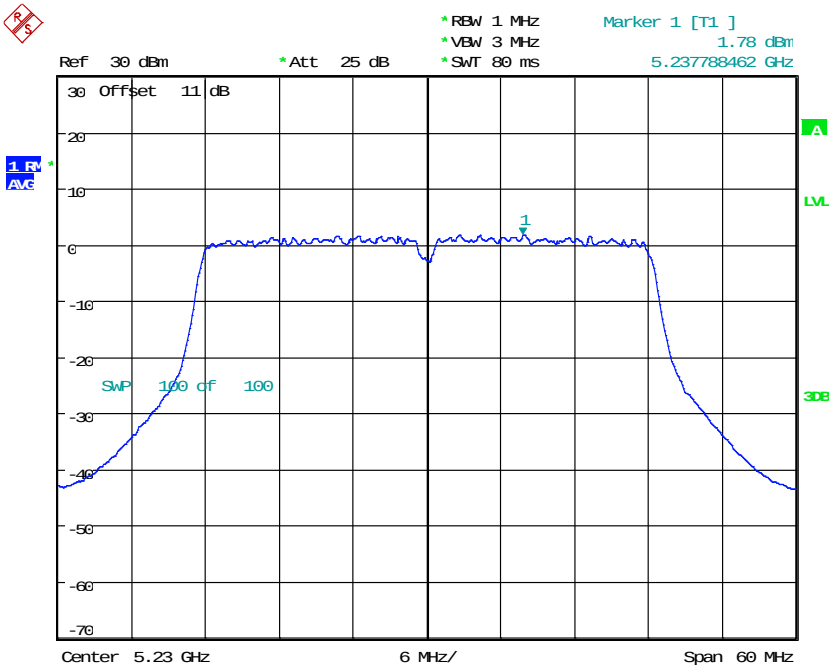


POWER DENSITY AV ANT211n20CH48
Date: 26.DEC.2019 14:46:26

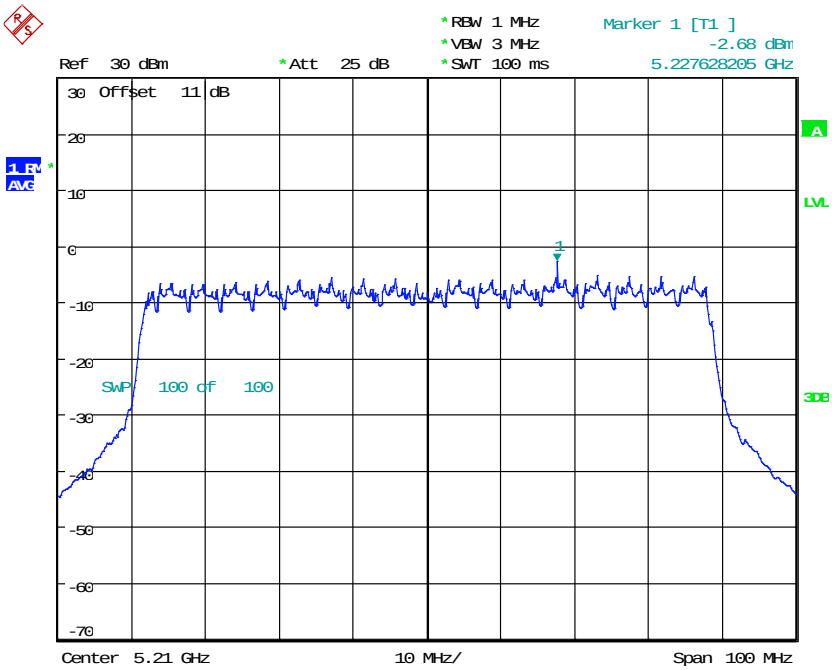


POWER DENSITY AV ANT211n40CH38
Date: 26.DEC.2019 14:37:34

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



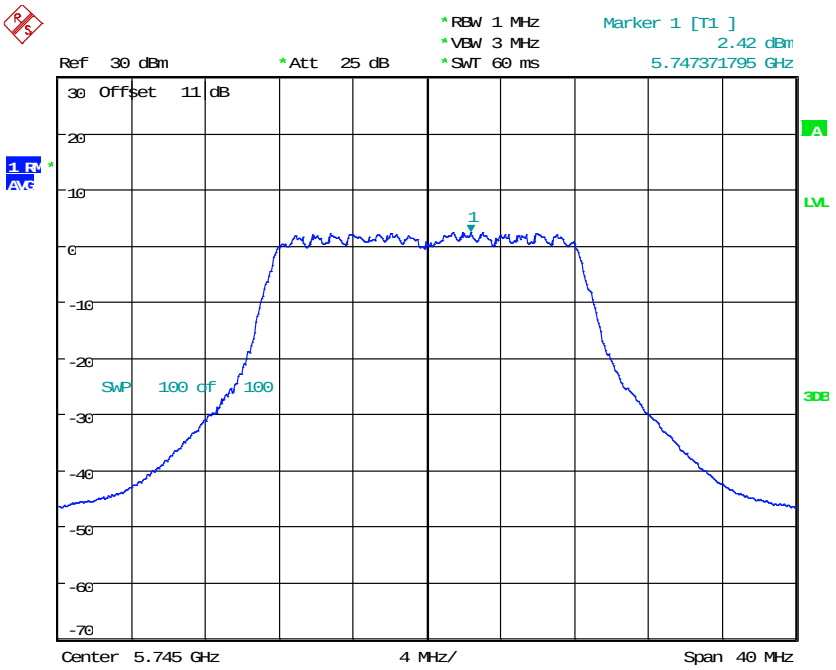
POWER DENSITY AV ANT211n40CH46
Date: 26.DEC.2019 14:39:34



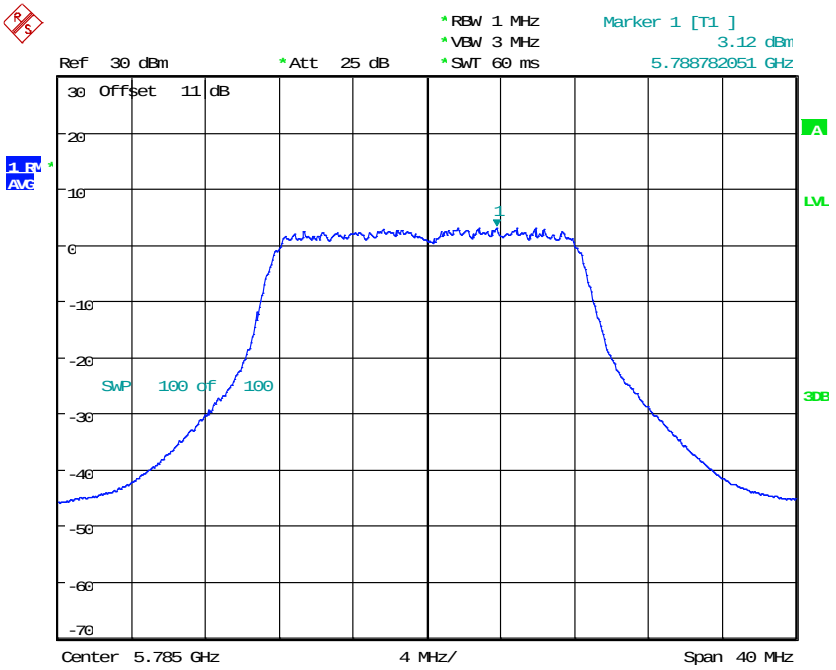
POWER DENSITY AV ANT211ac80CH42
Date: 26.DEC.2019 14:35:33

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725 GHz ~ 5.85 GHz

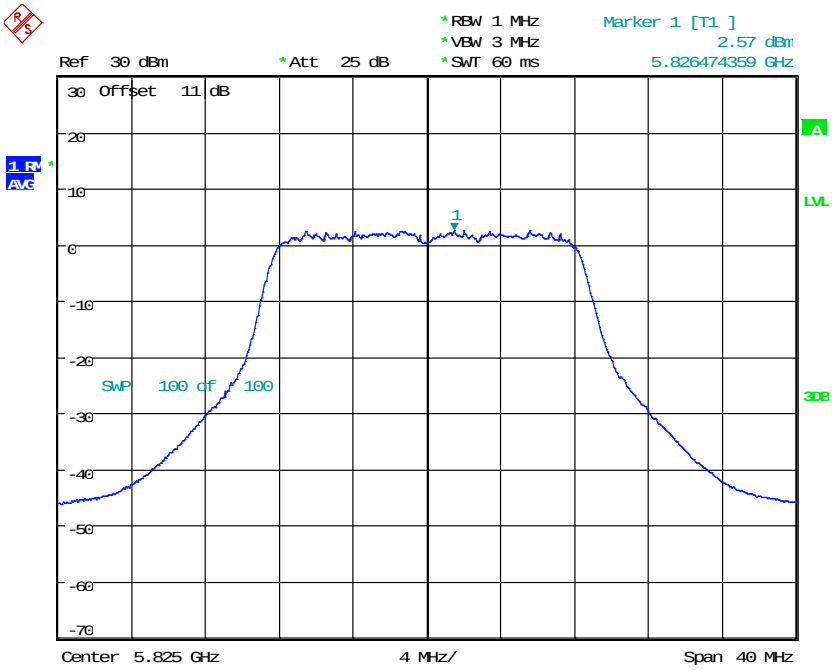


POWER DENSITY AV ANT211aCH149
Date: 26.DEC.2019 16:22:05

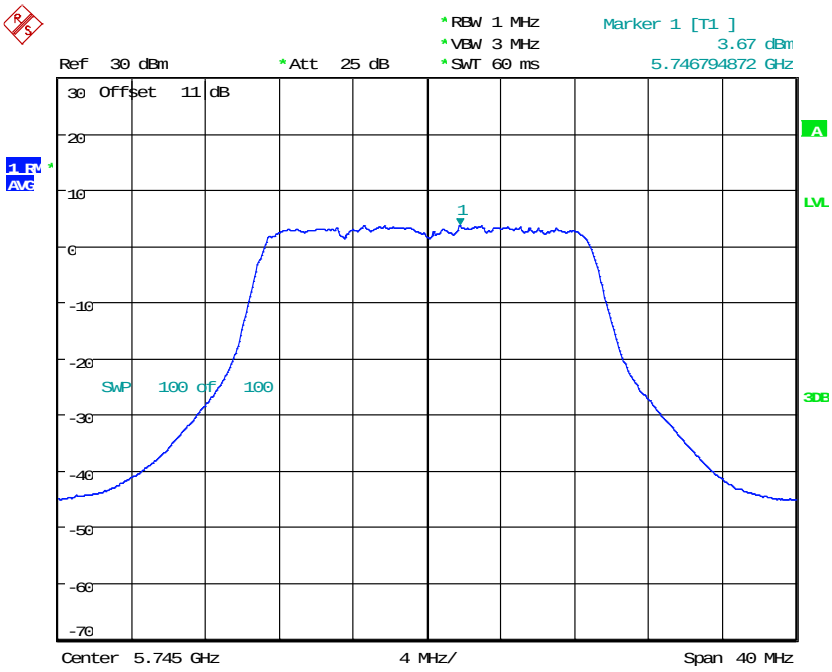


POWER DENSITY AV ANT211aCH157
Date: 26.DEC.2019 16:23:36

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

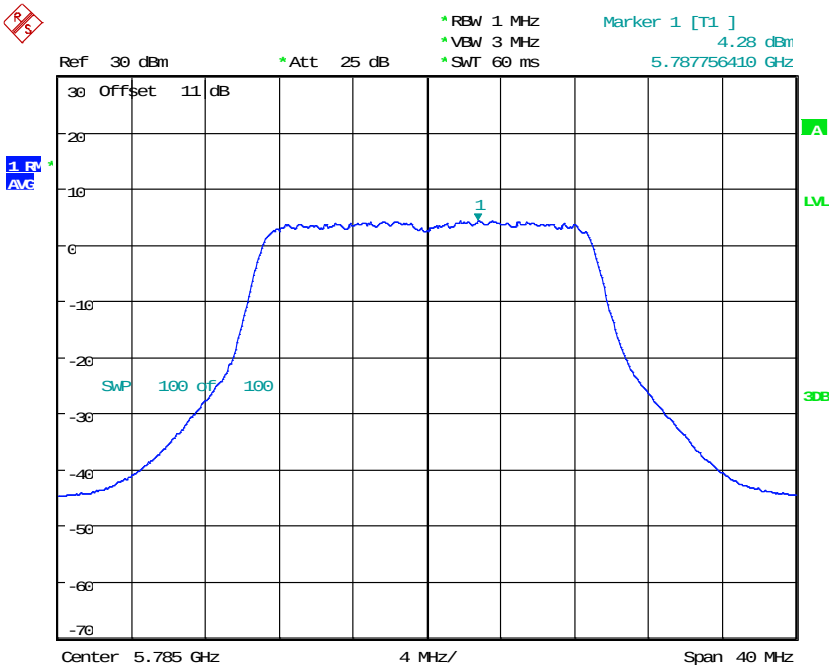


POWER DENSITY AV ANT211aCH165
Date: 26.DEC.2019 16:25:59

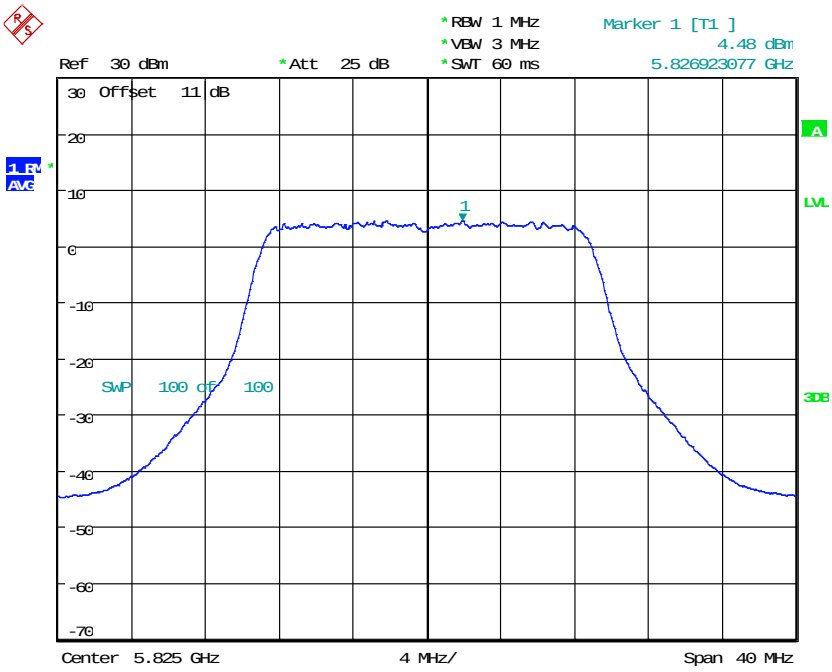


POWER DENSITY AV ANT211n20CH149
Date: 26.DEC.2019 16:14:36

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

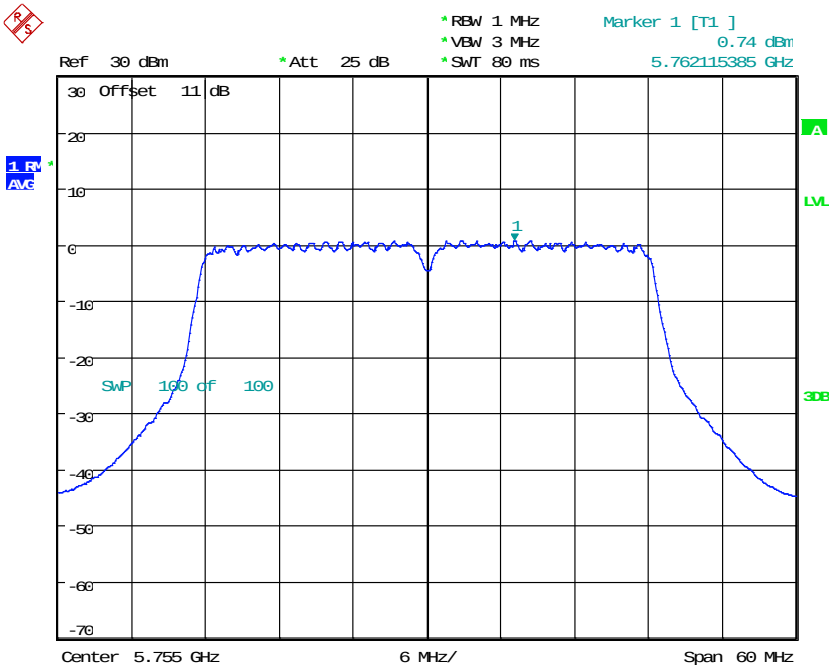


POWER DENSITY AV ANT211n20CH157
Date: 26.DEC.2019 16:16:01

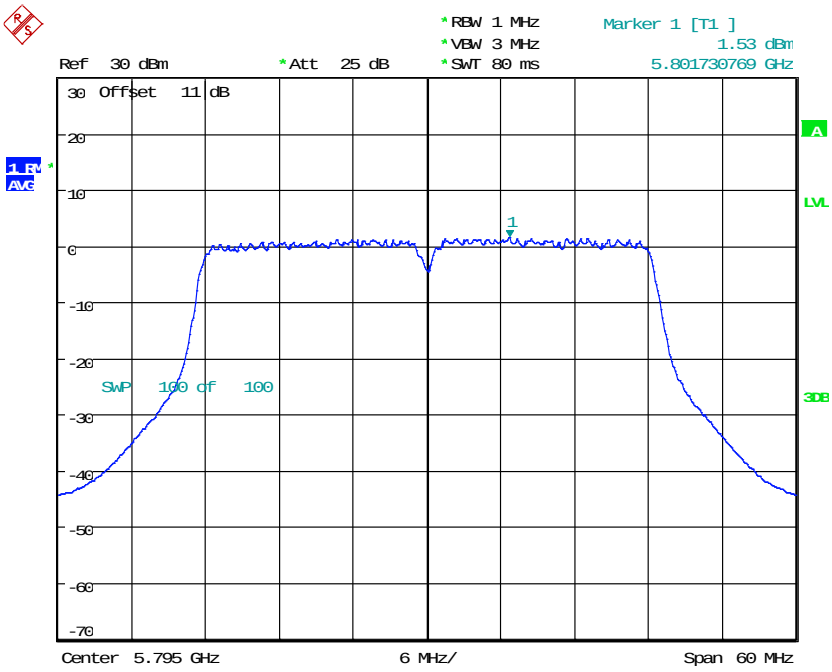


POWER DENSITY AV ANT211n20CH165
Date: 26.DEC.2019 16:17:45

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

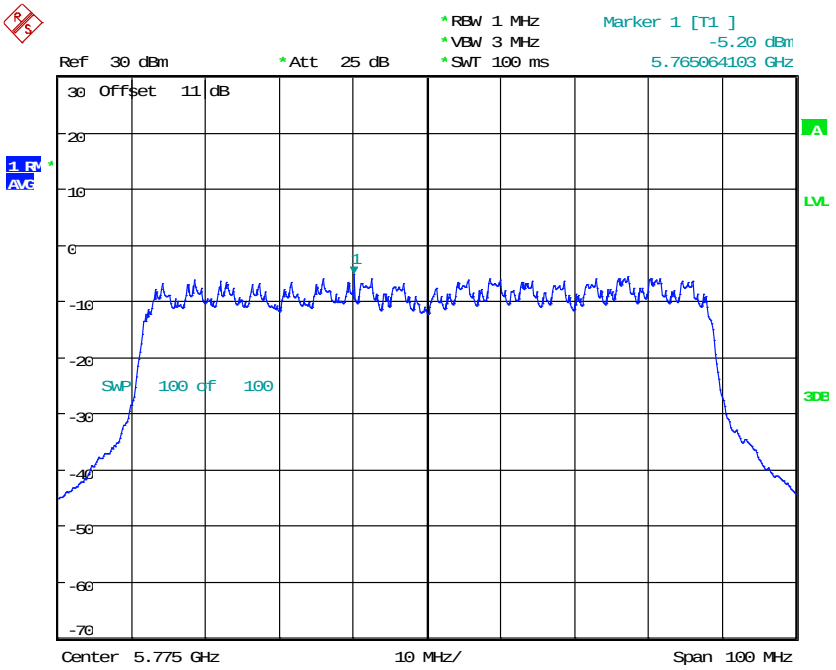


POWER DENSITY AV ANT211n40CH151
Date: 26.DEC.2019 16:11:18



POWER DENSITY AV ANT211n40CH159
Date: 26.DEC.2019 16:12:41

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E



5.15GHz~5.25GHz

ANT 1	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	2.79	2.86	2.97	4.46	4.57	4.73
802.11n 40MHz	1.40	--	1.53	1.46	--	1.84
802.11ac 80MHz	0.54	--	--	-2.70	--	--
ANT 2	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	2.73	2.91	3.02	4.36	4.64	4.80
802.11n 40MHz	1.39	--	1.51	1.44	--	1.78
802.11ac 80MHz	0.54	--	--	-2.68	--	--
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	5.52	5.78	5.99	7.42	7.62	7.78
802.11n 40MHz	2.79	--	3.04	4.46	--	4.82
802.11ac 80MHz	1.08	--	--	0.32	--	--

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

5.725GHz~5.85GHz

ANT 1	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	2.27	2.98	3.13	3.55	4.74	4.95
802.11n 40MHz	1.42	--	1.69	1.52	--	2.28
802.11ac 80MHz	0.38	--	--	-4.20	--	--
ANT 2	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	2.33	2.68	2.81	3.67	4.28	4.48
802.11n 40MHz	1.19	--	1.42	0.74	--	1.53
802.11ac 80MHz	0.31	--	--	-5.20	--	--
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	4.59	5.66	5.93	6.62	7.53	7.73
802.11n 40MHz	2.61	--	3.11	4.16	--	4.93
802.11ac 80MHz	0.68	--	--	-1.66	--	--

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

3.5 Undesirable emission limits, FCC 15.407 (b)

1. For transmitters operating in the 5.15–5.25 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.
2. For transmitters operating in the 5.25–5.35 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. De-vices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all appli-cable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15–5.25 GHz band.
3. For transmitters operating in the 5.47–5.725 GHz band: all emissions out-side of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
4. For transmitters operating in the 5.725–5.850 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
5. The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
6. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
7. According to According to KDB 789033 D02 General UNII Test Procedures v01, as specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.
8. If radiated measurements are performed, field strength is then converted to EIRP as follows:
   (i) EIRP = ((E*d)^2) / 30, where: E is the field strength in V/m; d is the measurement distance in meters. EIRP is the equivalent isotropically radiated power in watts.
   (ii) Working in dB units, the above equation is equivalent to: EIRP[dBm] = E[dBµV/m] + 20 log(d[meters]) - 104.77.
   (iii) Or, if d is 3 meters: EIRP[dBm] = E[dBµV/m] - 95.2.

Applicable to	Limit	
☒	FIELD STRENGTH at 3m (dBµV/m)	
	PK	AV
	74	54
☐	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH at 3m (dBµV/m)
	PK	PK
	-27	68.3

Registration number: W6M21912-19549-C-54
FCC ID: 2AUISION4E

Model:	ion4e	Date:	--				
Mode:	--	Temperature:	--	°C	Engineer:	--	
Polarization:	Horizontal	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)	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Polarization: Vertical

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)	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 147,
ETSTW-RE 088, ETSTW-RE 018

Note:

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

3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.
This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)

3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Equivalent Isotropic Radiated Power (EIRP), FCC 15.407 (f)

Band 1
EIRP = max. conducted output power + antenna gain
EIRP = 19.10 dBm + (9.01 dBi [antenna gain claimed by manufacturer] = 28.11 dBm = 647.1426 mW

Band 4
EIRP = max. conducted output power + antenna gain
EIRP = 18.97 dBm + (9.01 dBi [antenna gain claimed by manufacturer] = 27.98 dBm = 628.0584 mW

Test equipment used: ETSTW-RE 055

3.10 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091

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.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)
The formula can be changed to mW/m2.

$$Pd \cdot \frac{30 \times P \times G}{377 \times d^2}$$

Band 1
Established separation distance is 20 cm.

Operating frequency band: 5180-5240 MHz

The product meets RF exposure requirement.
Because the power density of 0.1288 mW/cm^2 at 5240 MHz is below the power density limit of 1 mW/cm^2.

Band 4
Established separation distance is 20 cm.

Operating frequency band: 5745-5825 MHz

The product meets RF exposure requirement.
Because the power density of 0.125 mW/cm^2 at 5825 MHz is below the power density limit of 1 mW/cm^2.

Limits:

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

3.11 Transmit Power Control (TPC)

Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Explanation: Max put power of the EUT is less than 500 mW (27dBm) so this test item is not required.

3.12 Dynamic Frequency Selection (DFS)

3.12.1 DFS Detection Threshold

3.12.2 Channel move time plot of Type1 radar waveform on 5270MHz

3.12.3 30Minutes Non-Occupancy Time

Test equipment used: ETSTW-RE 133, ETSTW-RE 134

Explanation: The test is not required because the EUT only has Band 1 & Band 4.

3.13 Channel Move Time, Channel Closing Transmission Time

FCC Rule: 15.407(i)

Result :

Parameter (at 5290MHz)	Test Result	Limit
	Type0	
Channel Move Time (ms)	--	<10s
Channel Close Transmission Time (ms)	--	< 60ms
Parameter (at 5530MHz)	Test Result	Limit
	Type0	
Channel Move Time (ms)	--	<10s
Channel Close Transmission Time (ms)	--	< 60ms

Note: The Channel Close Transmission Time is compromised 200 milliseconds starting at the beginning of the Channel Move Time plus the additional intermittent control signal required to facilitate channel-move operation (an aggregate of 60milliseconds) during the remainder of the 10seconds period.

Test equipment used: ETSTW-RE 133, ETSTW-RE 134

Explanation: The test is not required.

3.14 Radiated Emissions from Receiver Part

FCC Rule: 15.109

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

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

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 147, ETSTW-RE 088, ETSTW-RE 018

Explanation: The test results are listed in the separated test report no.: W6M21912-19549-P-15B.

3.15 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.

Model: ion4e Date: - -
Mode: - - Temperature: - - °C Engineer: - -
Polarization: N Humidity: - - %

Frequency (MHz)	Reading (dBuV) QP	Reading (dBuV) Ave.	Factor (dB) Corr.	Result (dBuV) QP	Result (dBuV) Ave.	Limit (dBuV) QP	Limit (dBuV) Ave.	Margin (dB)
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -

Polarization: L1

Frequency (MHz)	Reading (dBuV) QP	Reading (dBuV) Ave.	Factor (dB) Corr.	Result (dBuV) QP	Result (dBuV) Ave.	Limit (dBuV) QP	Limit (dBuV) Ave.	Margin (dB)
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -

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

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.

Appendix

Measurement diagrams

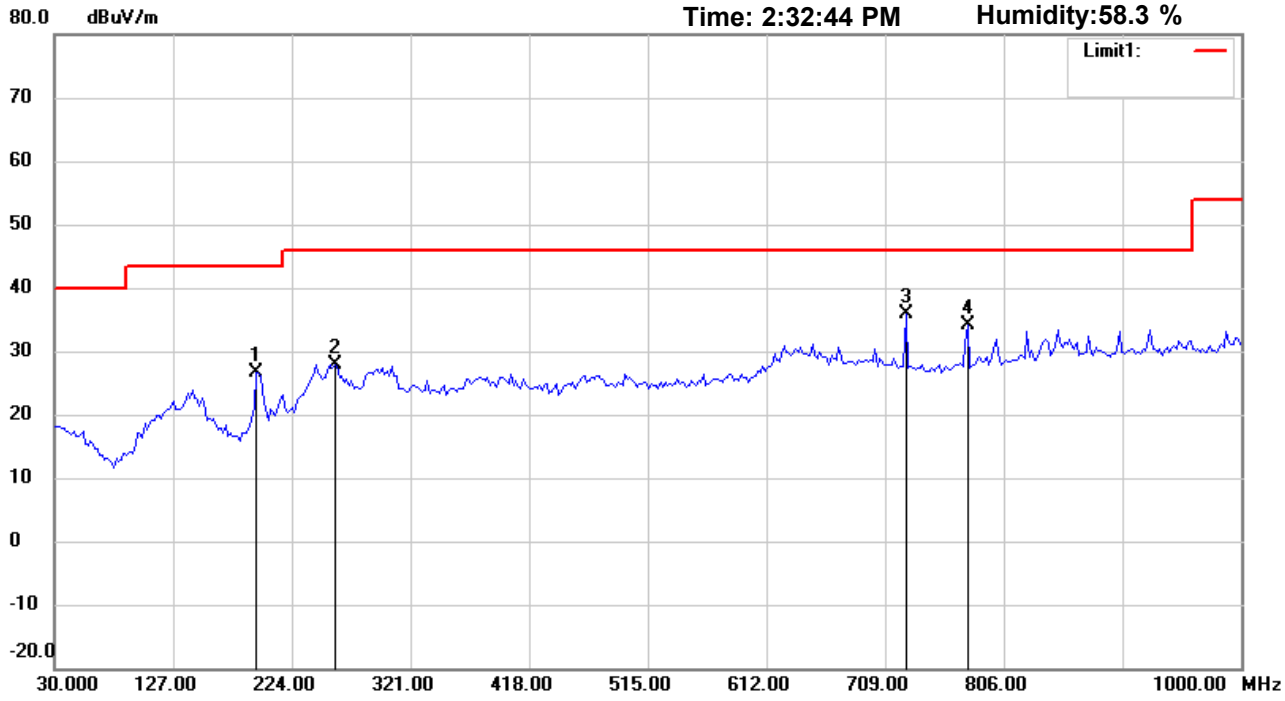
Spurious Emissions radiated

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

Radiated Emission Measurement

Operator: Leon

File :1_ant1_TX 802 | Data :#1 | Date: 12/29/2019 | Time: 2:32:44 PM | Temperature:21.8 ℃ | Humidity:58.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
	195.2305	37.75	peak	-11.09	26.66	43.50	100	175	-16.84	
	259.3788	35.48	peak	-7.48	28.00	46.00	100	230	-18.00	
*	725.9117	36.03	peak	-0.12	35.91	46.00	100	260	-10.09	
	776.4528	33.46	peak	0.72	34.18	46.00	100	175	-11.82	

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

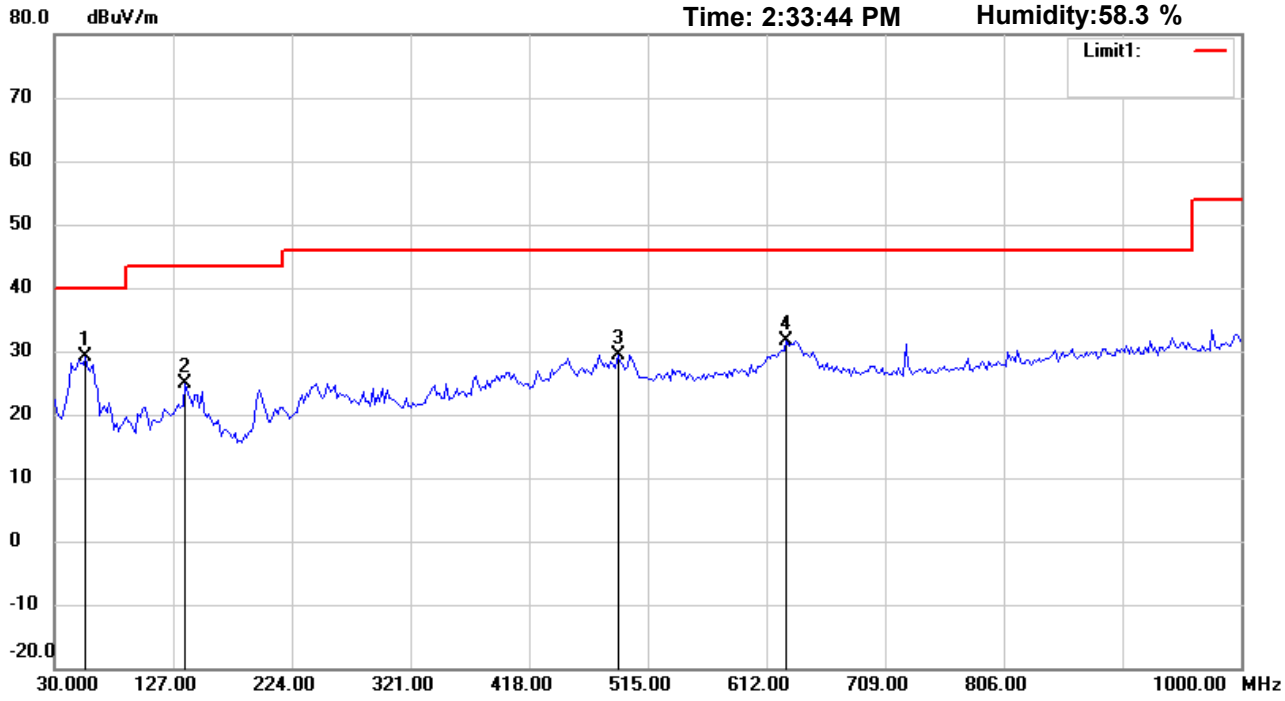
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1_ant1_TX 802 Data :#2 Date: 12/29/2019 Time: 2:33:44 PM

Temperature:21.8 ℃
Humidity:58.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	55.2705	40.06	peak	-10.98	29.08	40.00	100	35	-10.92	
	136.9138	31.24	peak	-6.44	24.80	43.50	100	260	-18.70	
	490.7013	32.59	peak	-3.12	29.47	46.00	100	90	-16.53	
	628.7173	33.09	peak	-1.40	31.69	46.00	100	36	-14.31	

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

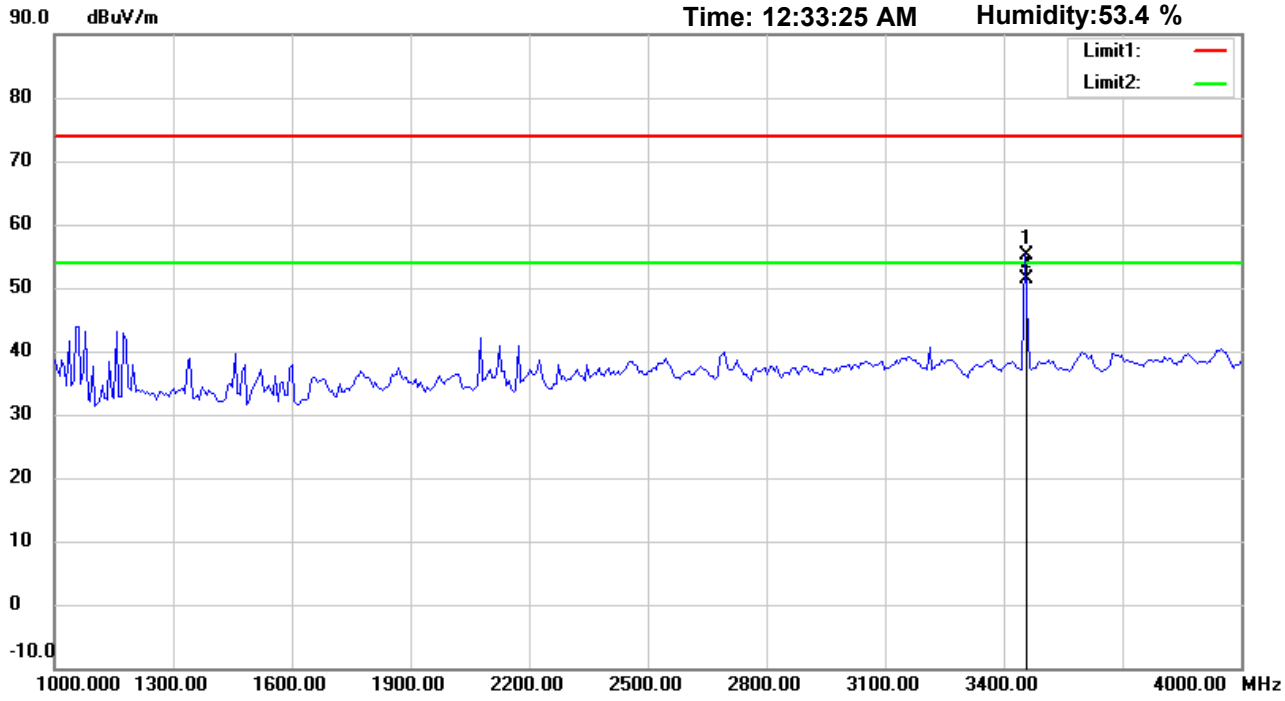
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 12:33:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
	3453.272	58.95	peak	-3.75	55.20	74.00	150	230	-18.80	
*	3453.272	55.10	AVG	-3.75	51.35	54.00	150	230	-2.65	

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

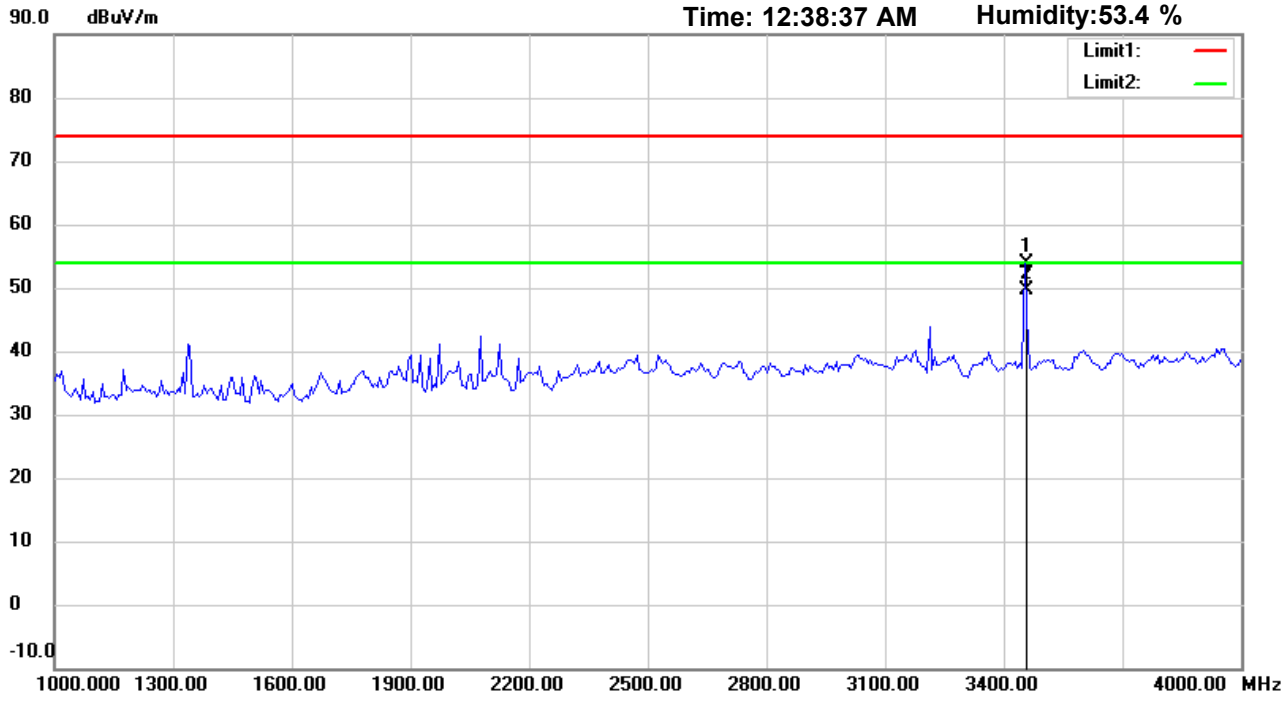
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 12:38:37 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
	3453.487	57.64	peak	-3.75	53.89	74.00	150	120	-20.11	
*	3453.487	53.45	AVG	-3.75	49.70	54.00	150	120	-4.30	

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

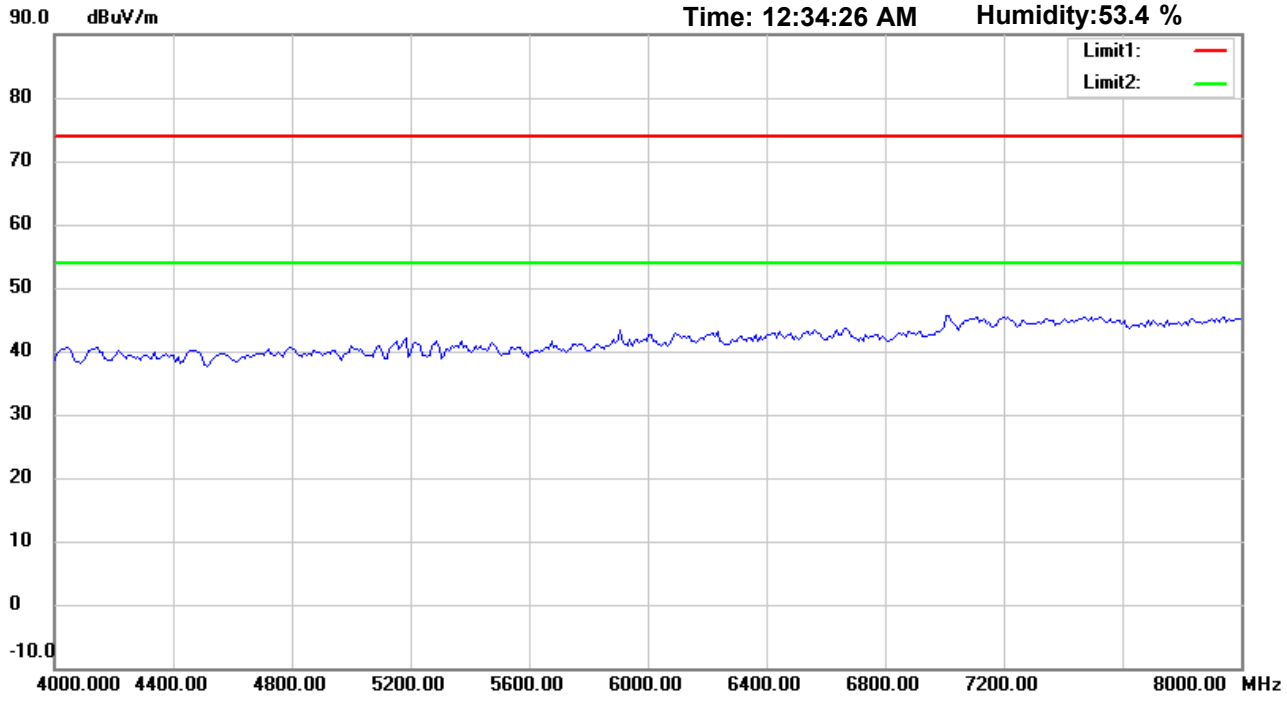
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 12:34:26 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

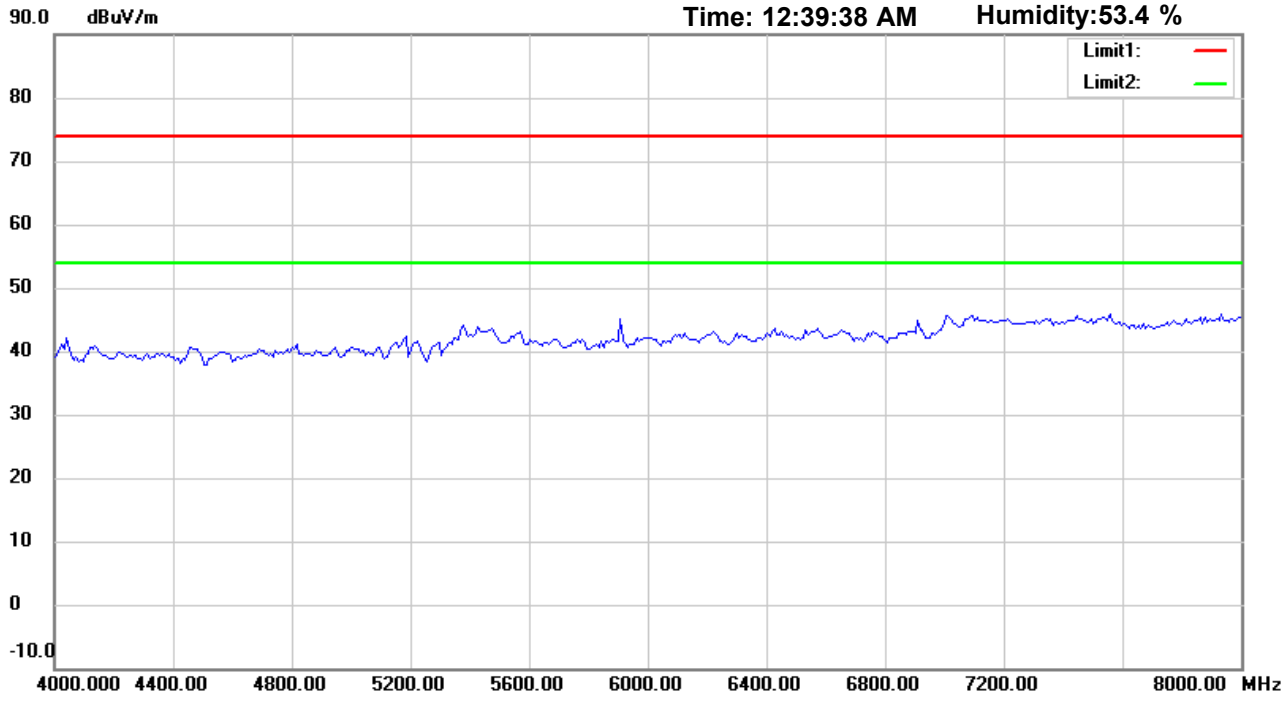
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 12:39:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

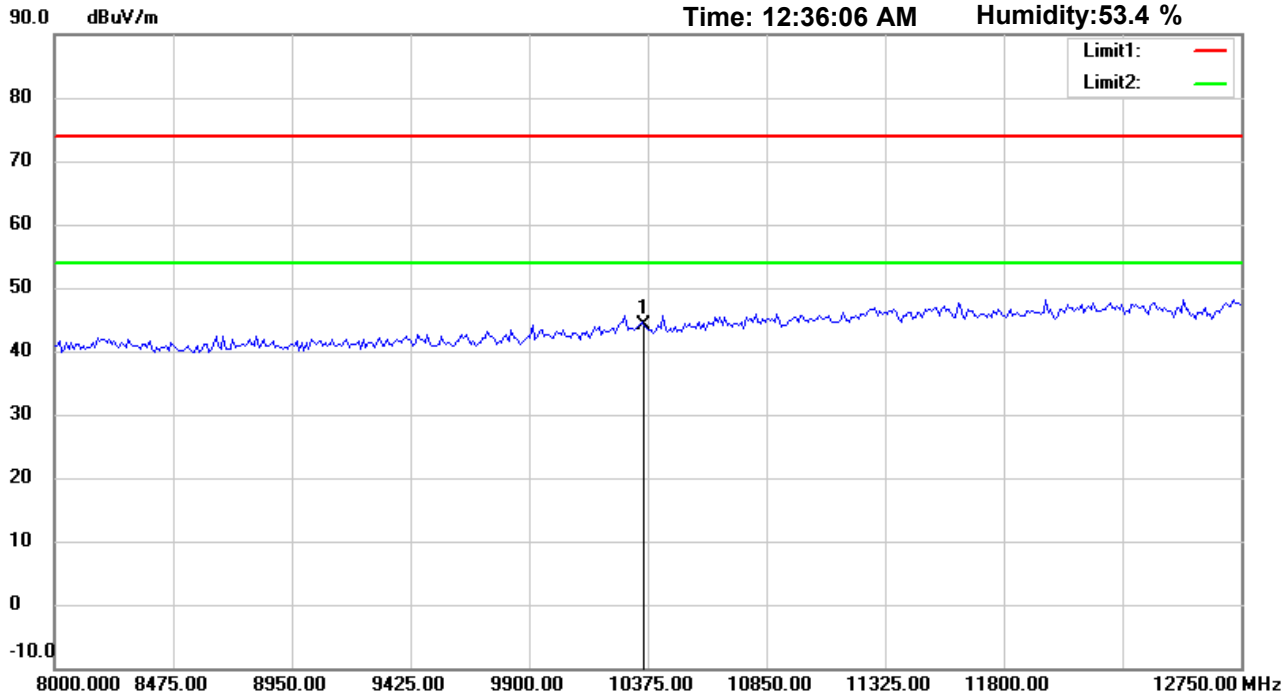
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 12:36:06 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	10360.000	35.92	peak	8.23	44.15	74.00	150	275	-29.85	

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

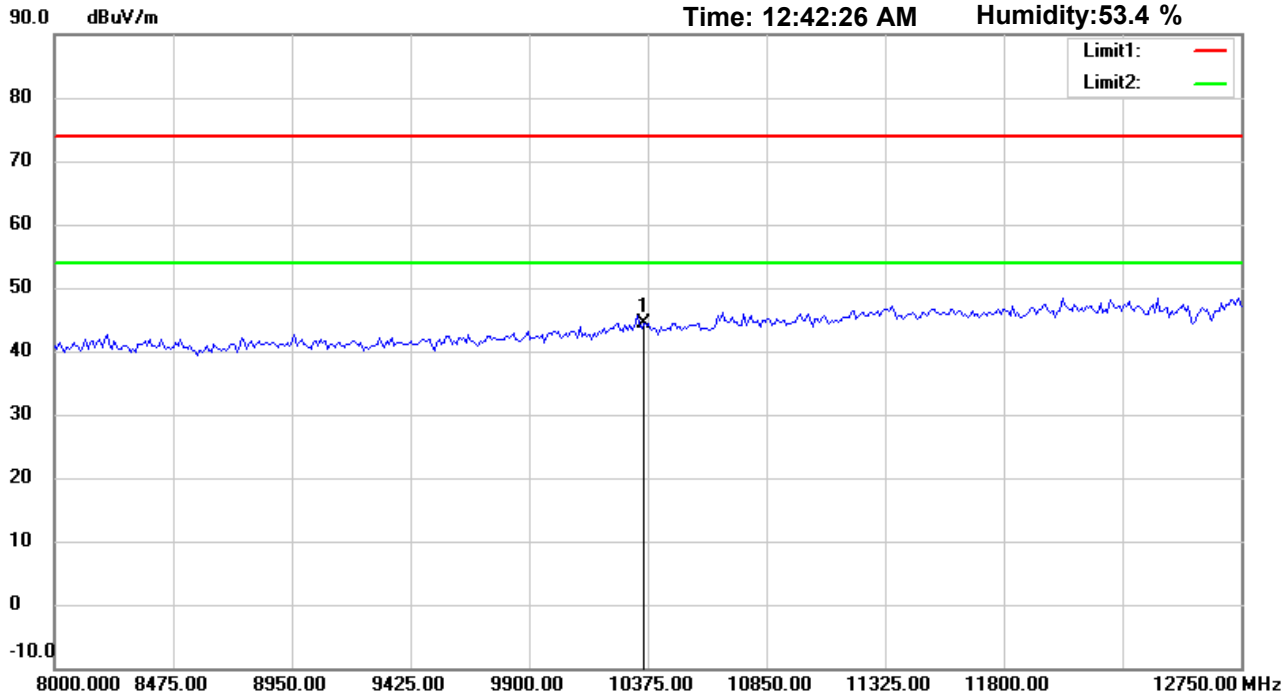
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 12:42:26 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	10360.000	36.07	peak	8.23	44.30	74.00	150	185	-29.70	

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

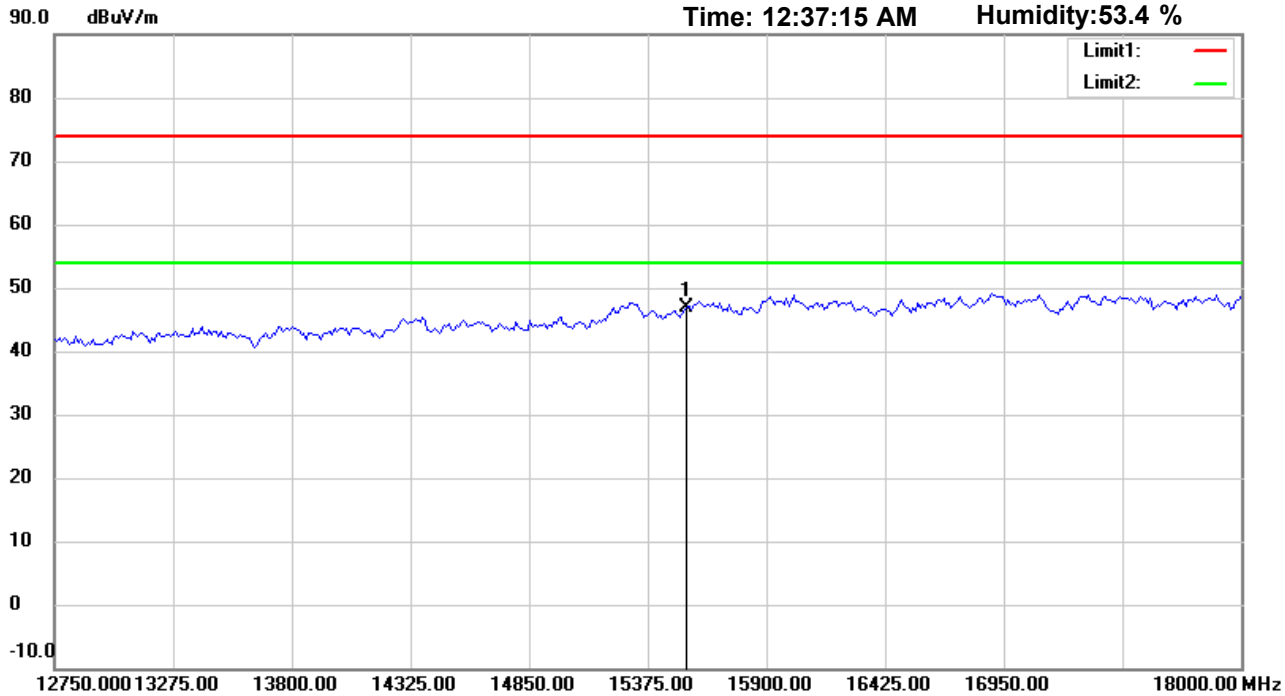
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 12:37:15 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15540.000	27.94	peak	18.95	46.89	74.00	150	95	-27.11	

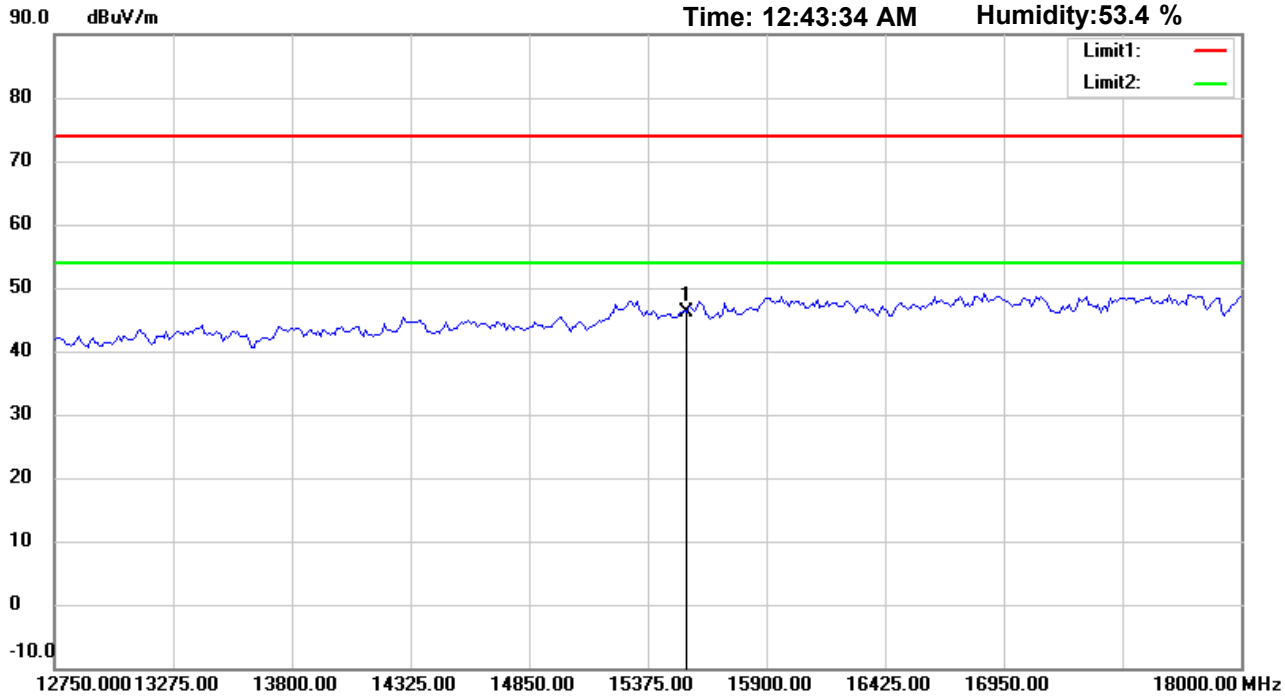
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 12:43:34 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	15540.000	27.13	peak	18.95	46.08	74.00	150	60	-27.92	

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

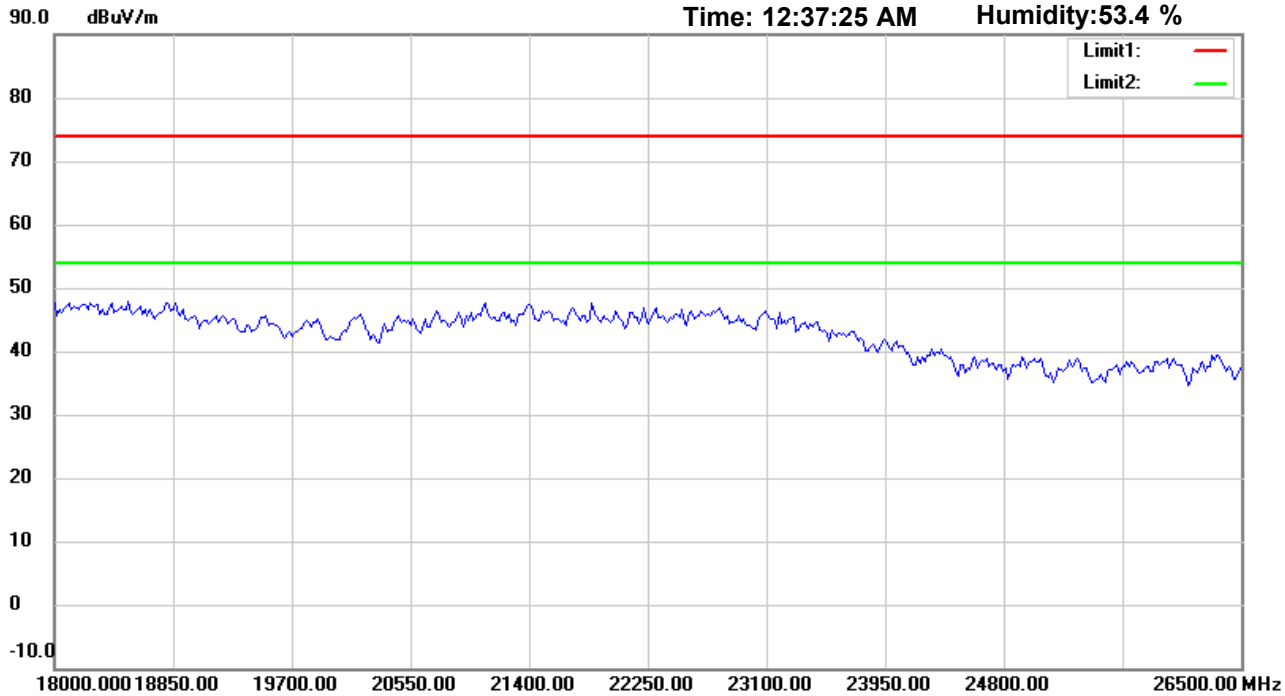
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 12:37:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

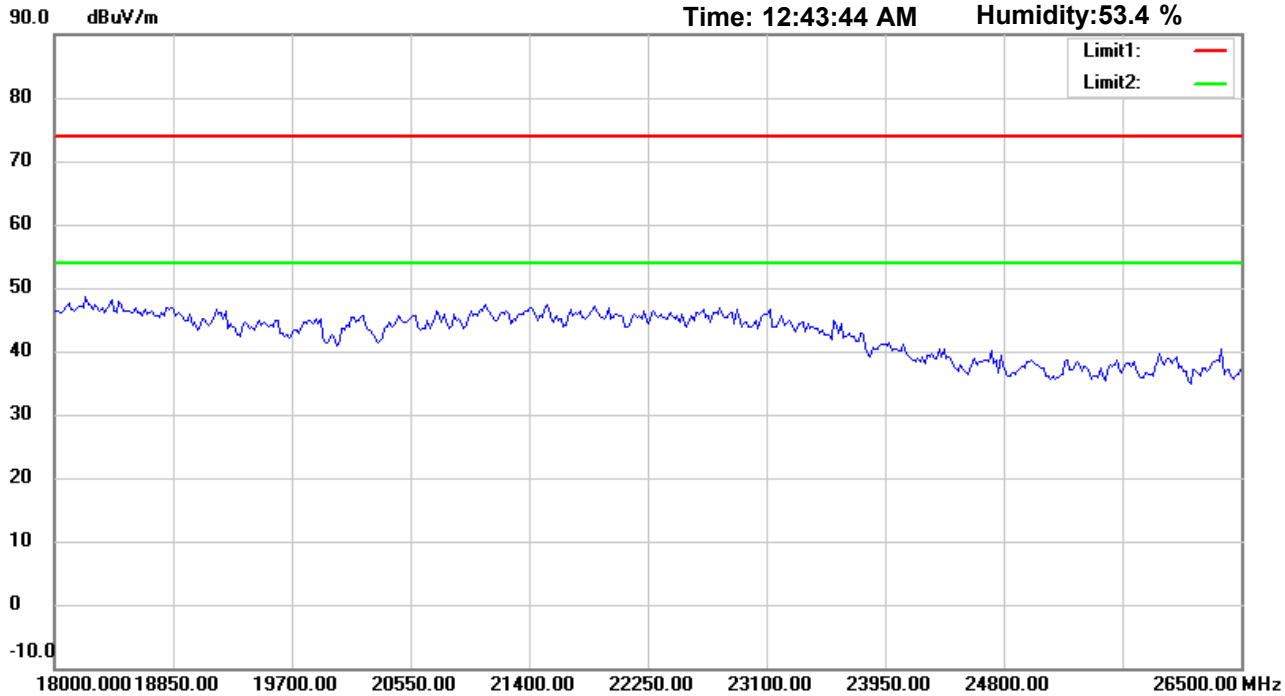
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 12:43:44 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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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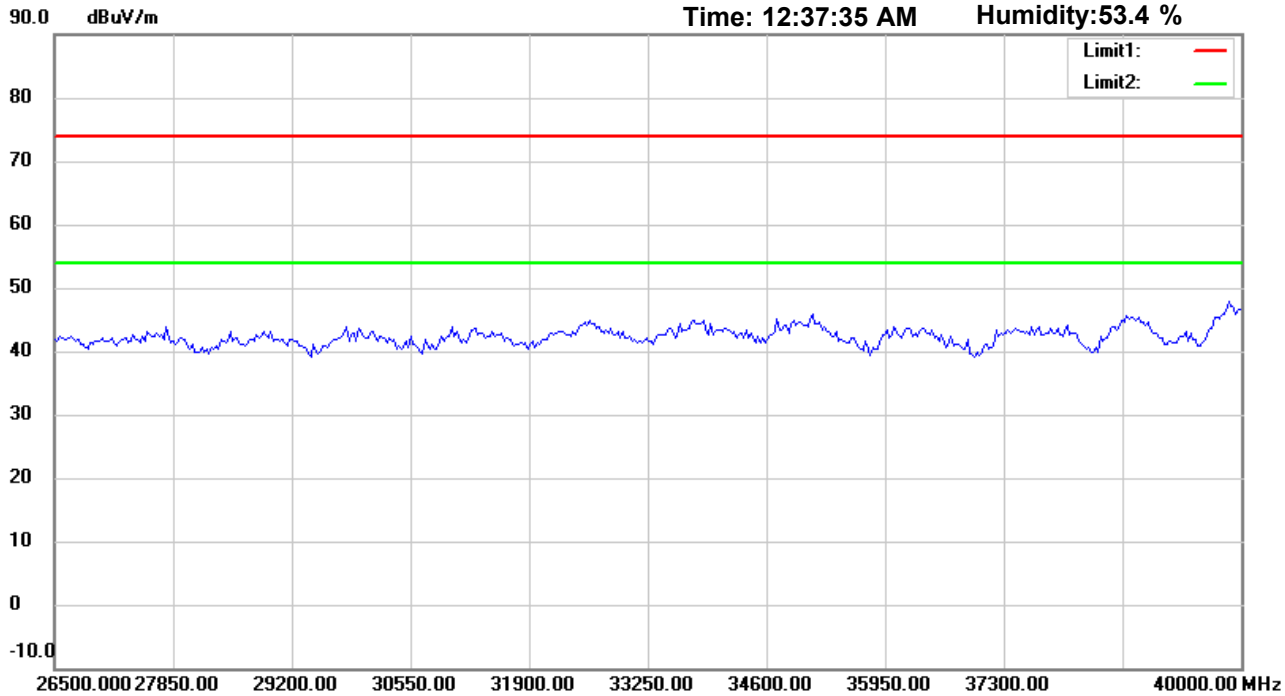
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 12:37:35 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

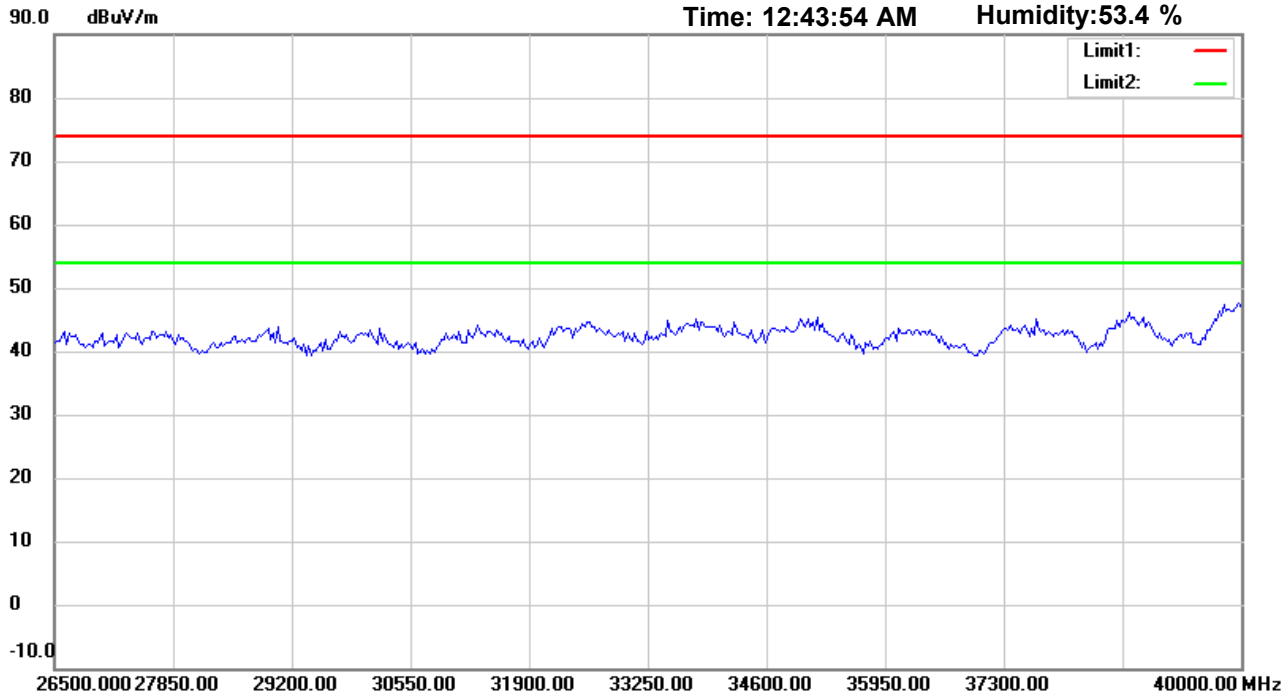
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 12:43:54 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

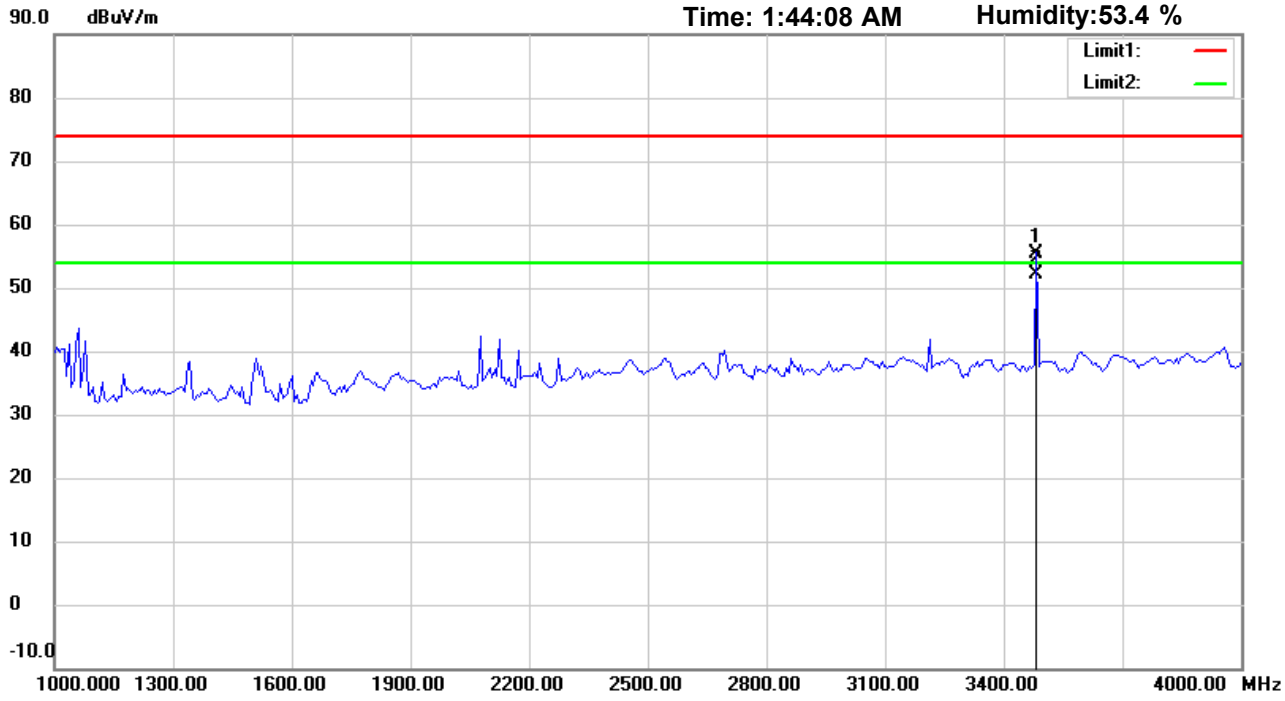
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 1:44:08 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
	3480.160	59.07	peak	-3.73	55.34	74.00	150	55	-18.66	
*	3480.160	55.96	AVG	-3.73	52.23	54.00	150	55	-1.77	

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

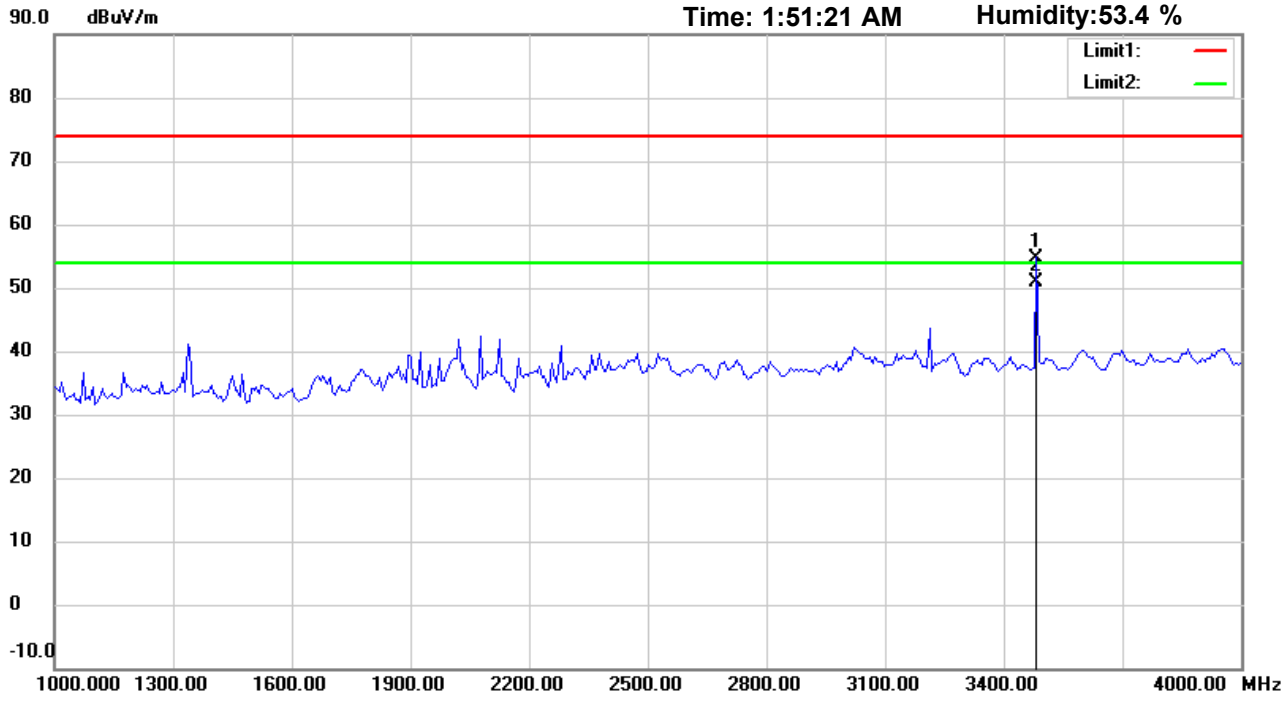
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 1:51:21 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
	3480.160	58.31	peak	-3.73	54.58	74.00	150	40	-19.42	
*	3480.160	54.64	AVG	-3.73	50.91	54.00	150	40	-3.09	

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

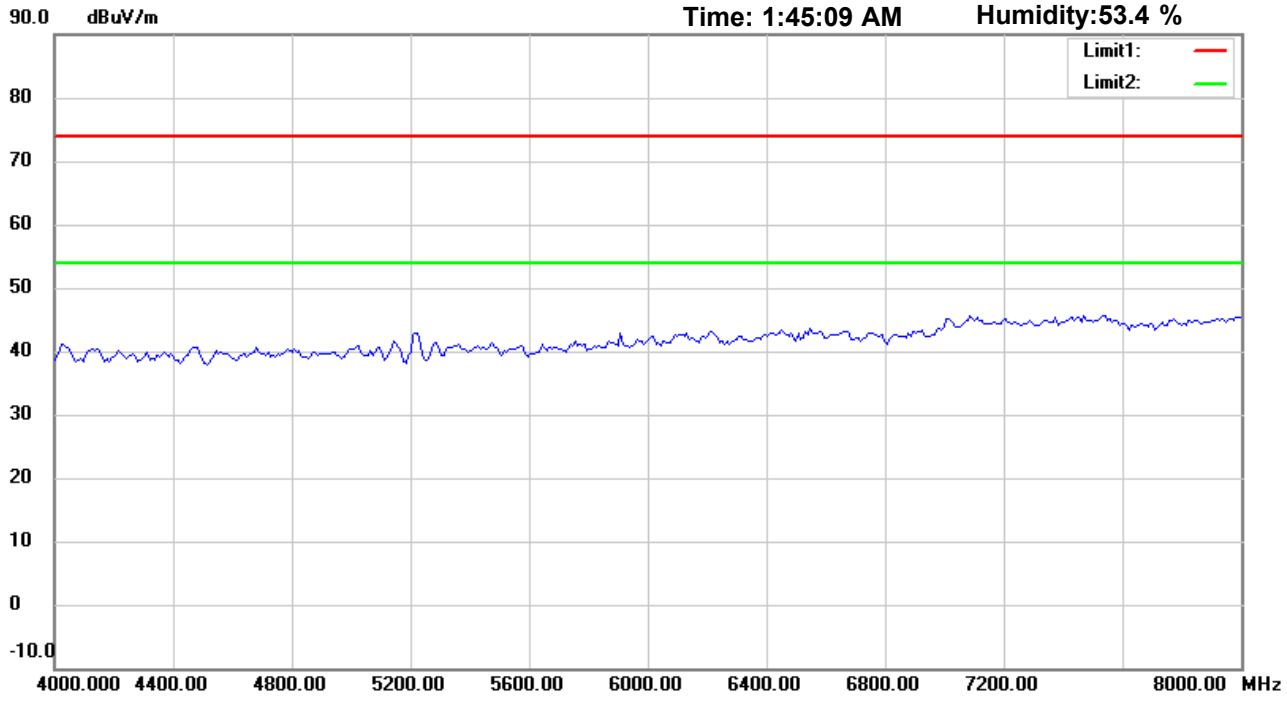
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 1:45:09 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

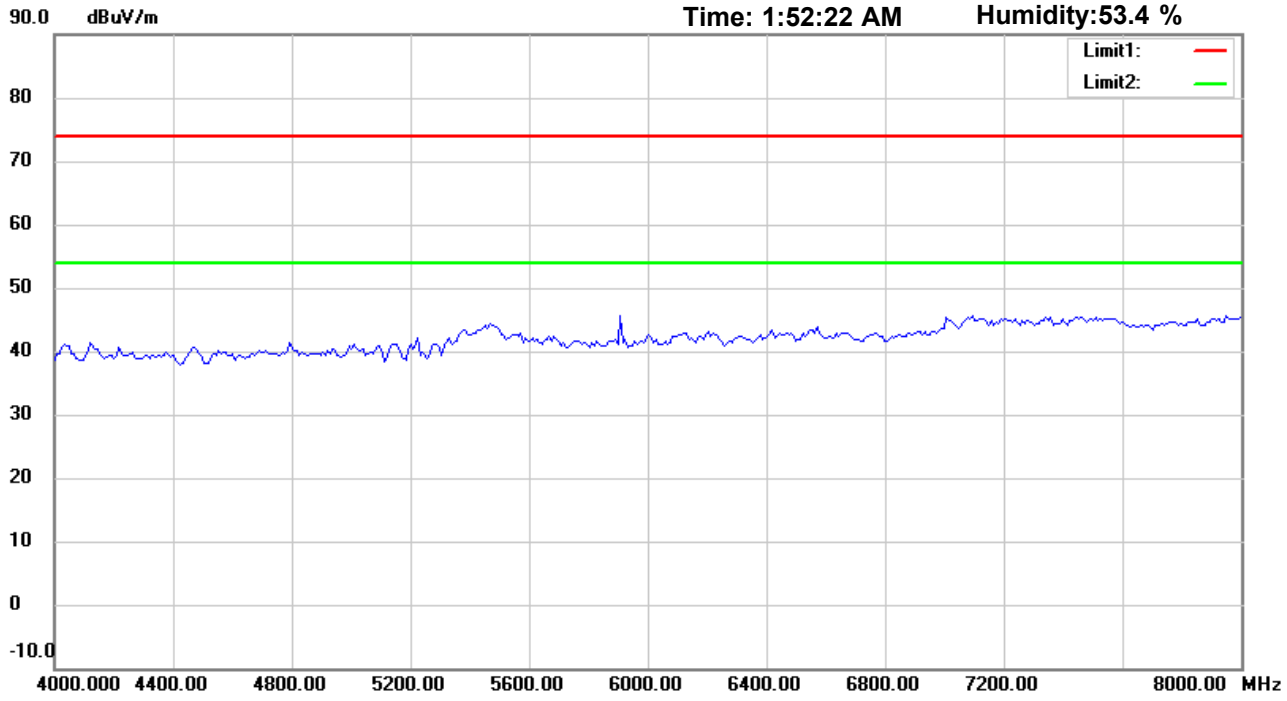
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 1:52:22 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

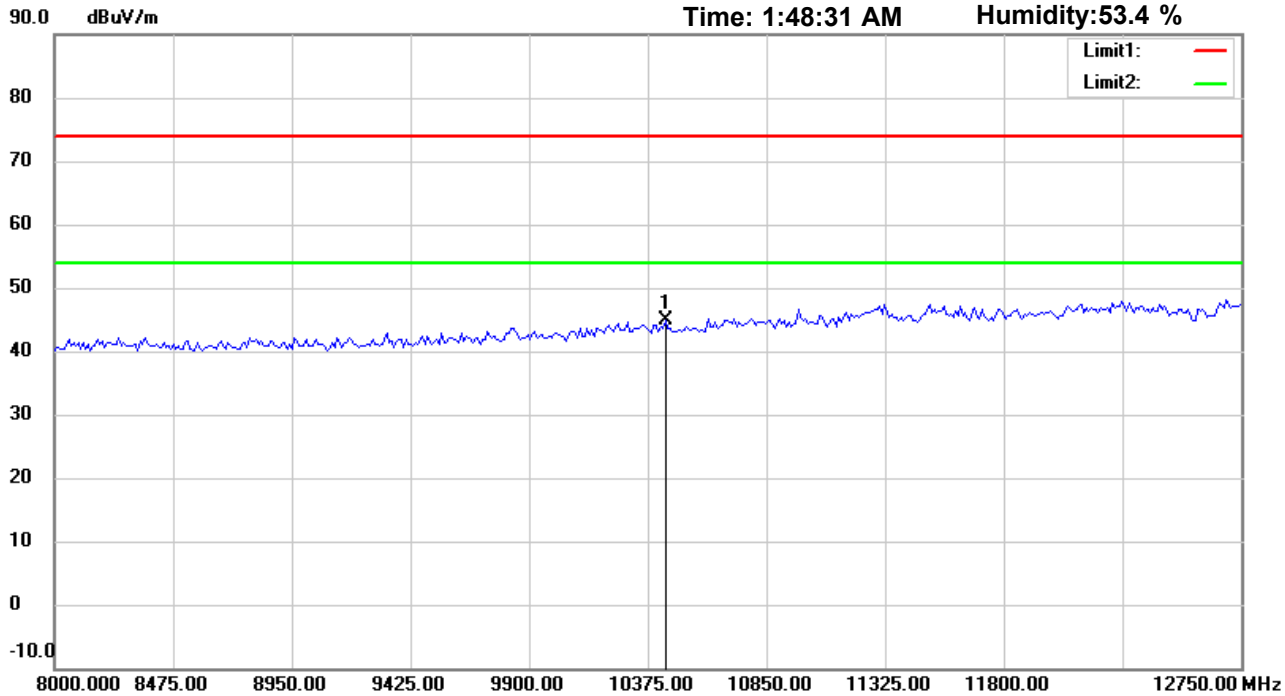
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 1:48:31 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	10440.000	36.50	peak	8.33	44.83	74.00	150	75	-29.17	

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

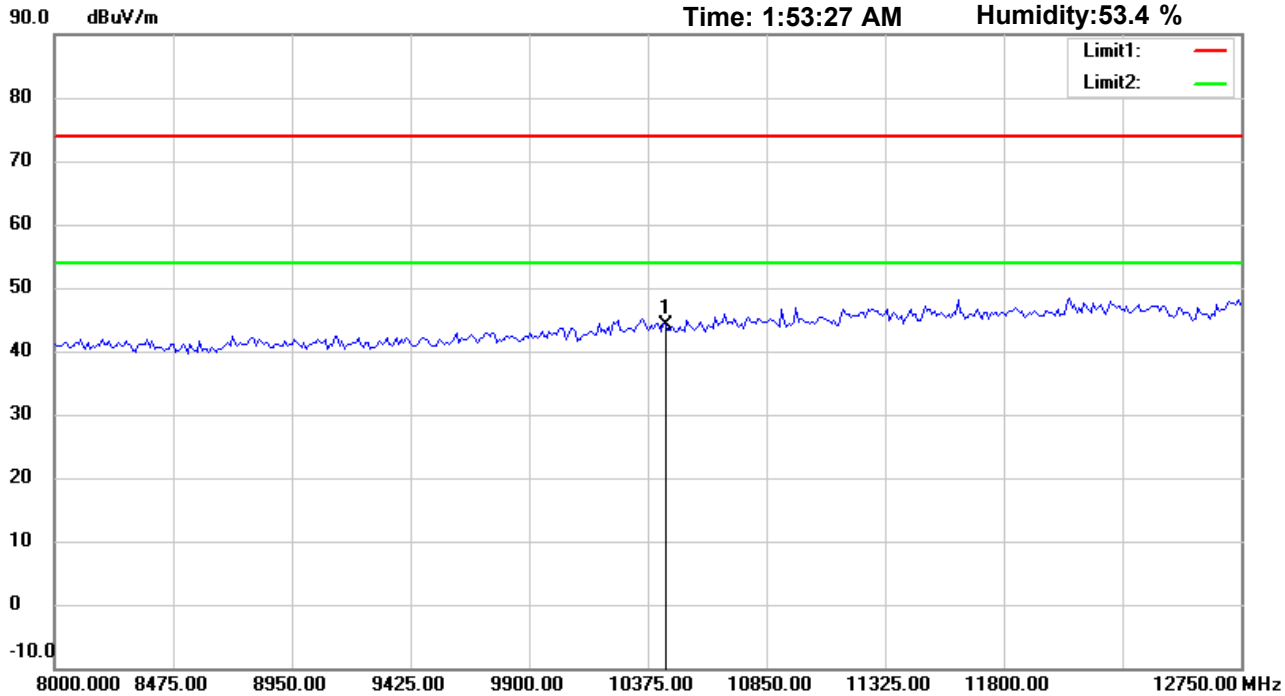
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 1:53:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	10440.000	35.83	peak	8.33	44.16	74.00	150	300	-29.84	

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

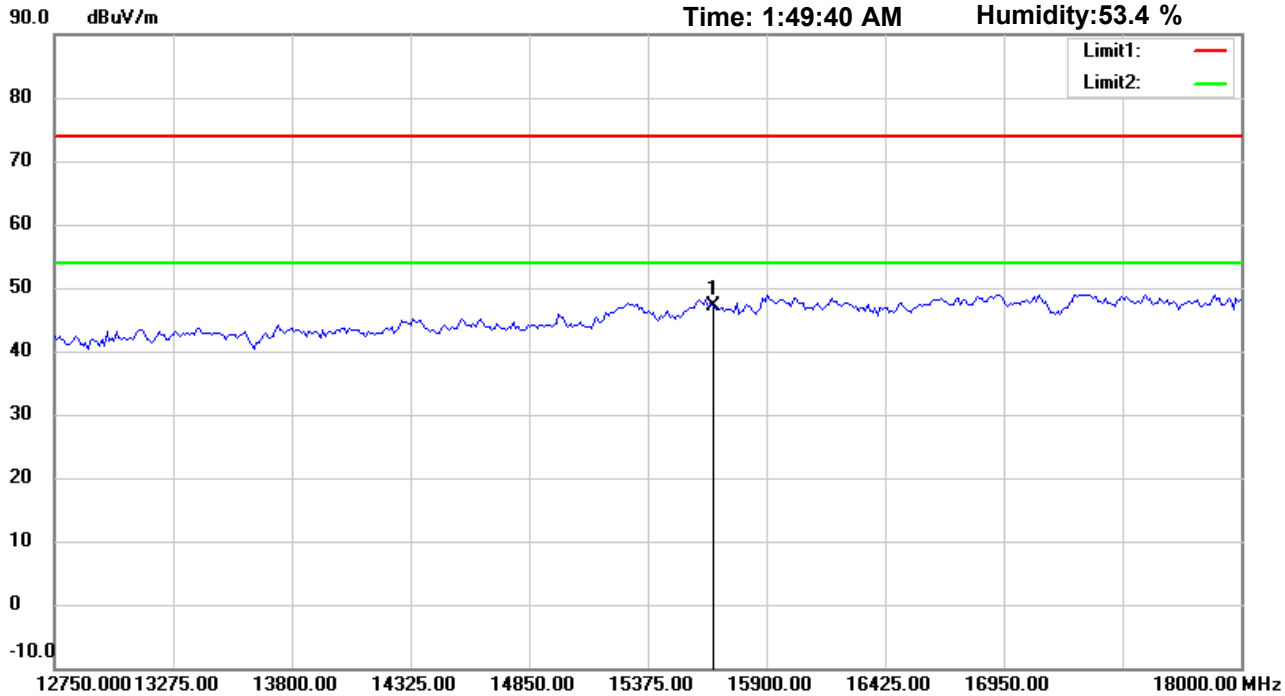
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 1:49:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	15660.000	28.85	peak	18.33	47.18	74.00	150	360	-26.82	

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

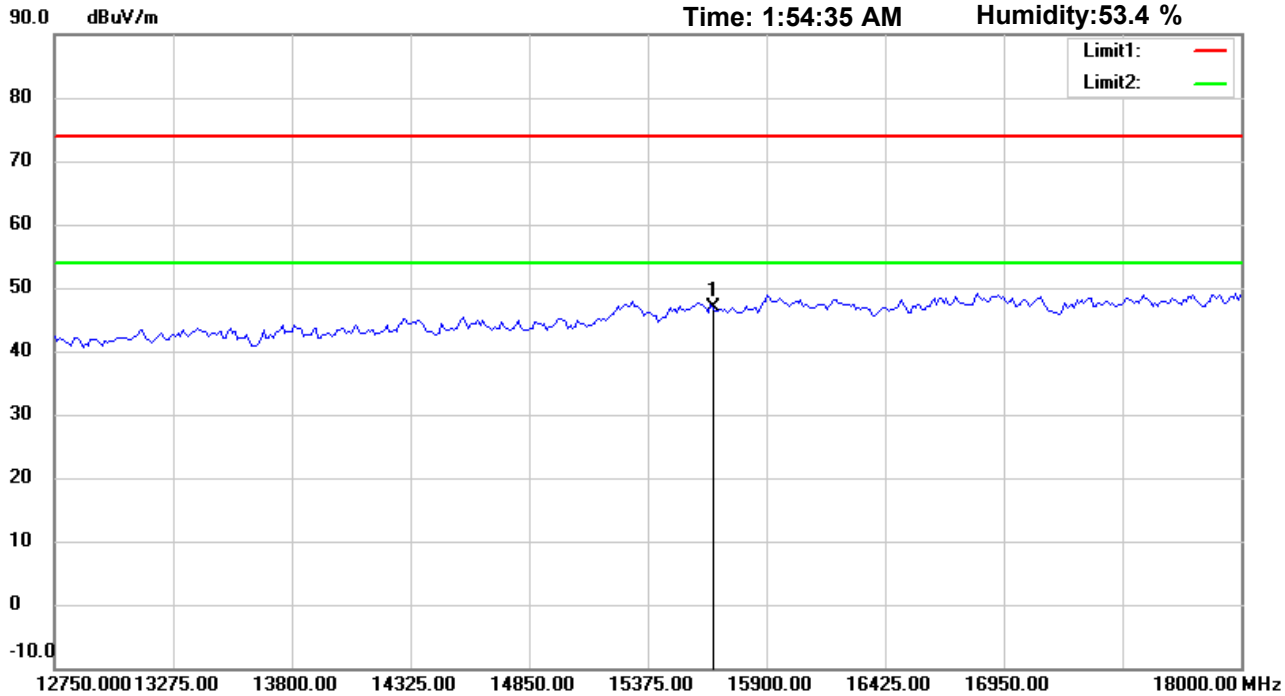
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 1:54:35 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15660.000	28.51	peak	18.33	46.84	74.00	150	20	-27.16	

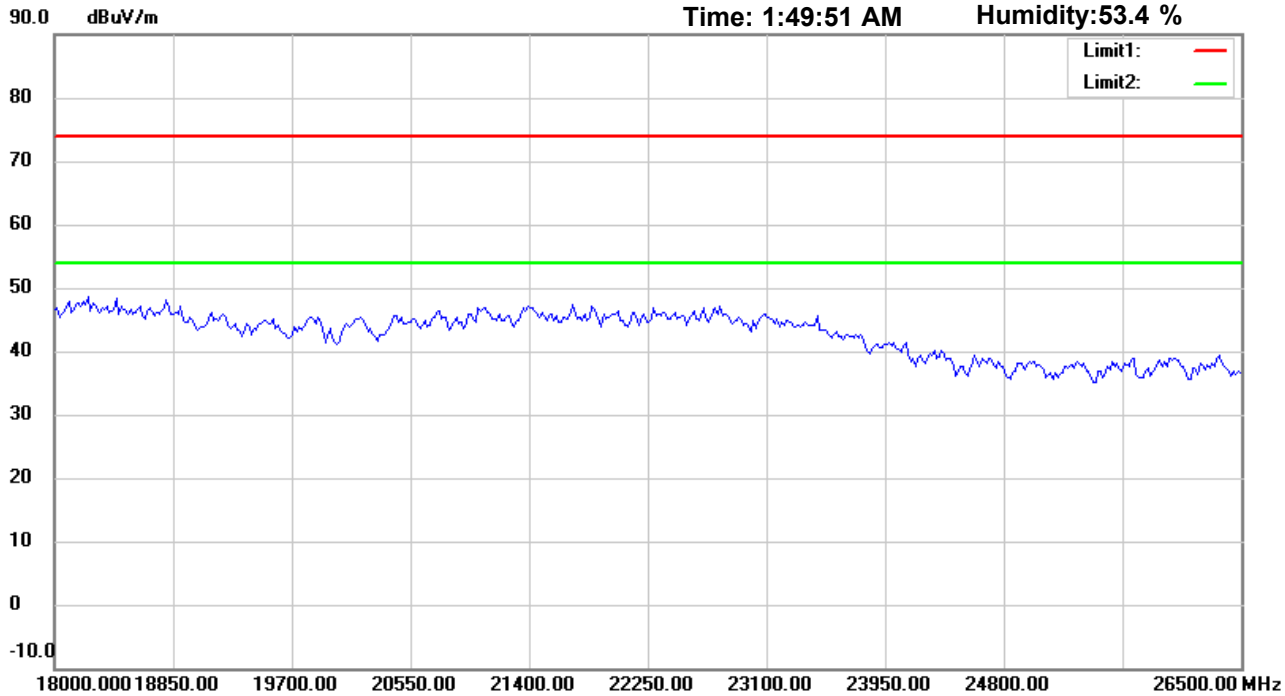
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#5 | Date: 12/28/2019 | Time: 1:49:51 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

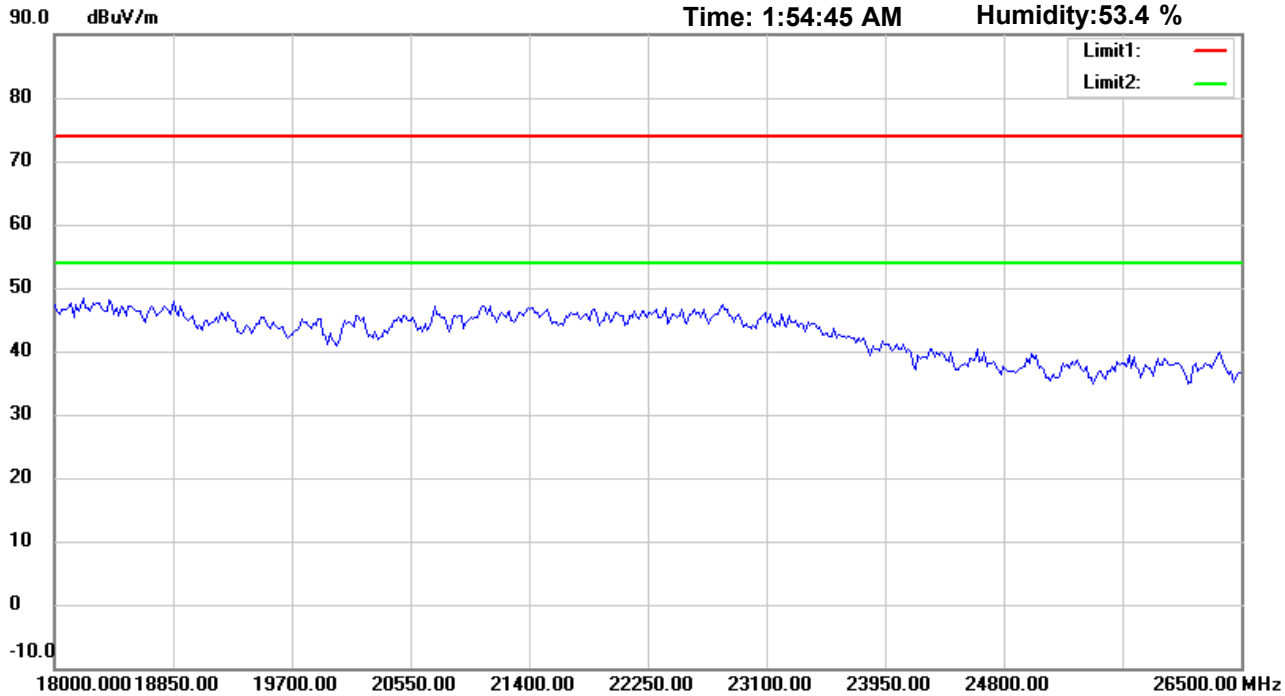
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 1:54:45 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

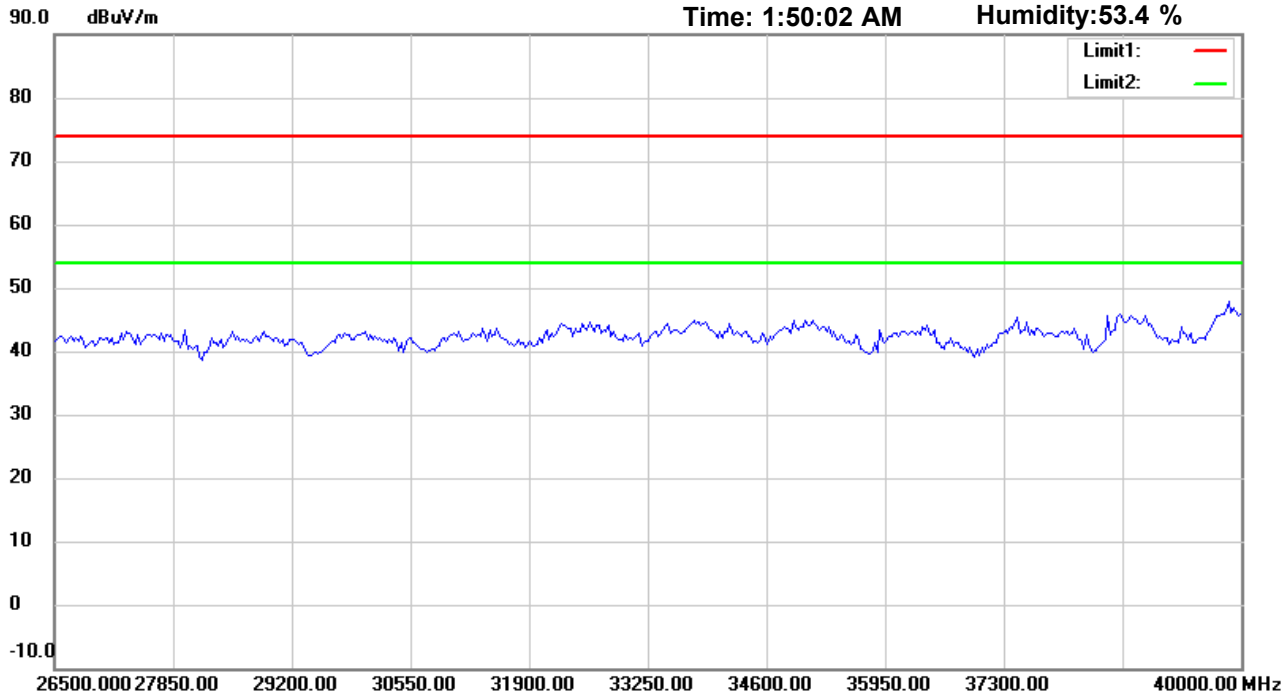
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 1:50:02 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

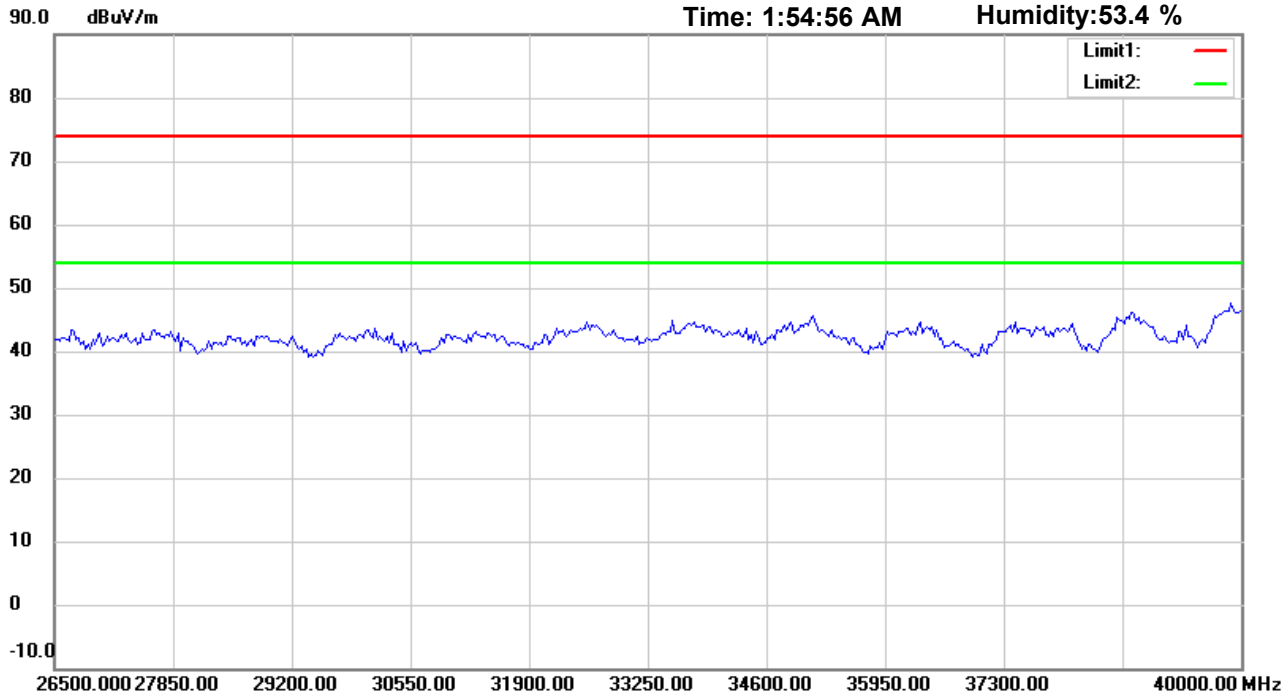
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 1:54:56 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

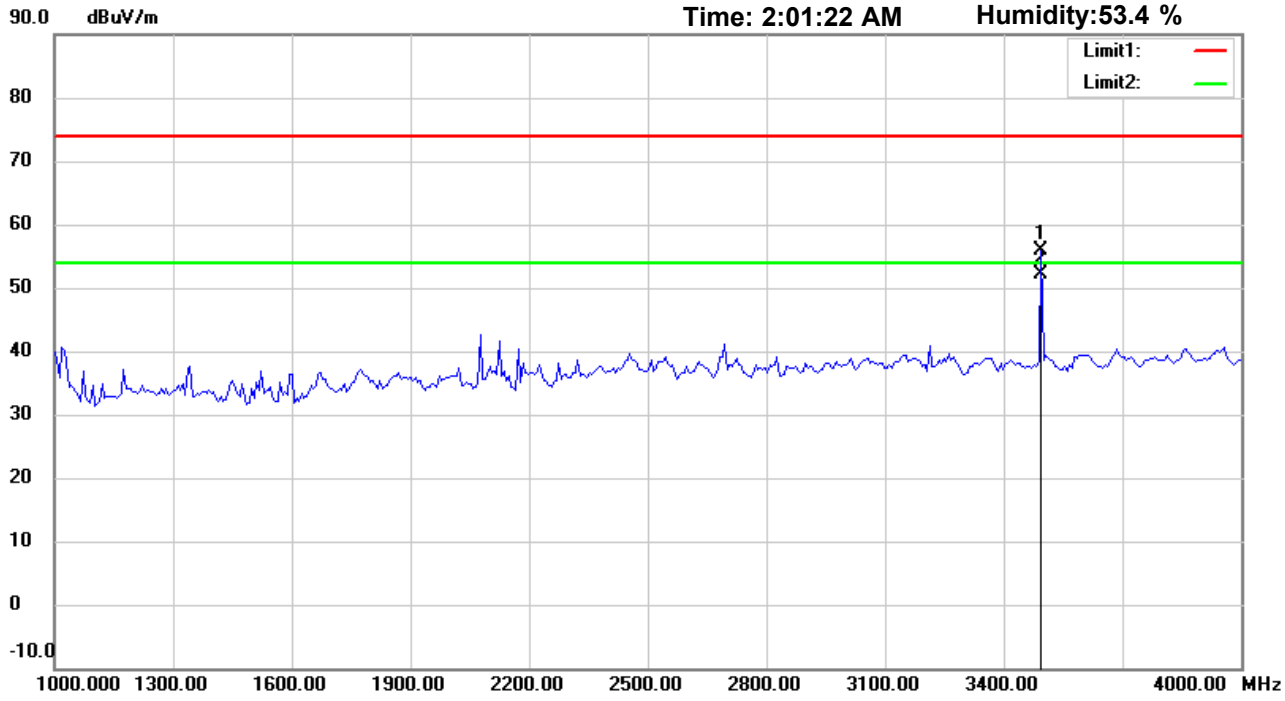
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 2:01:22 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
	3493.342	59.67	peak	-3.72	55.95	74.00	150	230	-18.05	
*	3493.342	55.85	AVG	-3.72	52.13	54.00	150	230	-1.87	

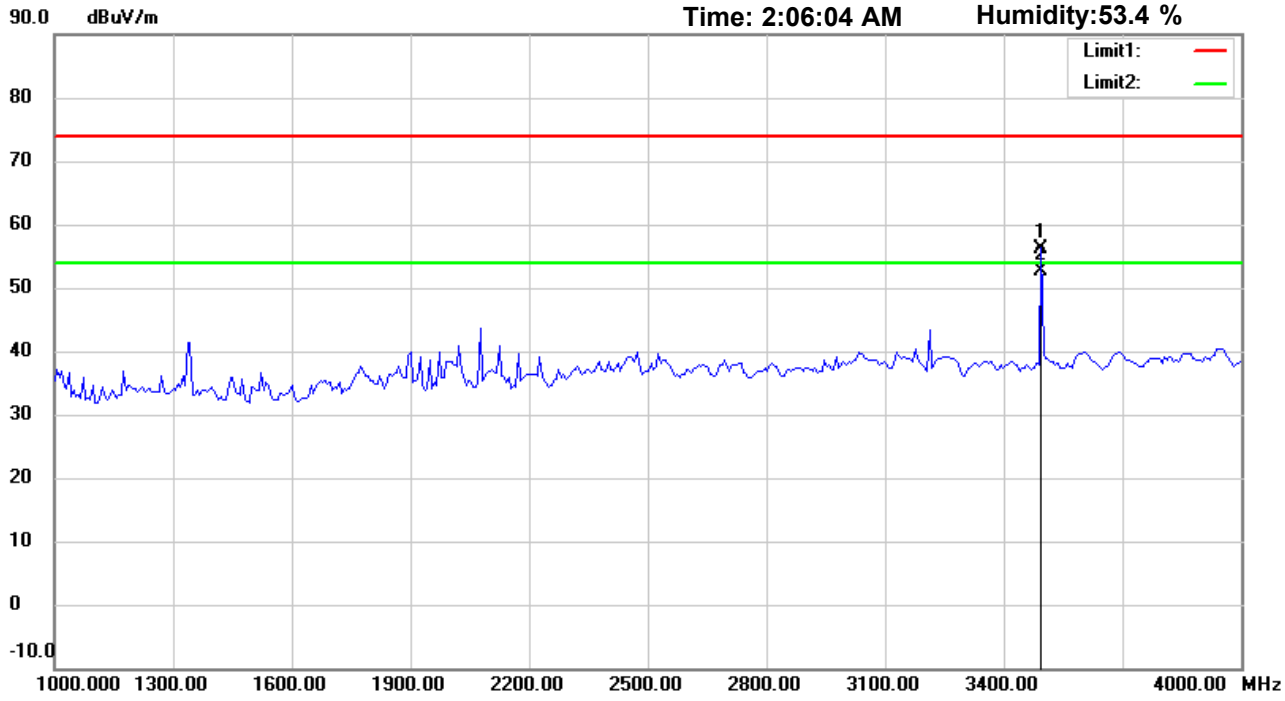
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#7 | Date: 12/28/2019 | Time: 2:06:04 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
	3493.442	59.84	peak	-3.72	56.12	74.00	160	290	-17.88	
*	3493.442	56.37	AVG	-3.72	52.65	54.00	160	290	-1.35	

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

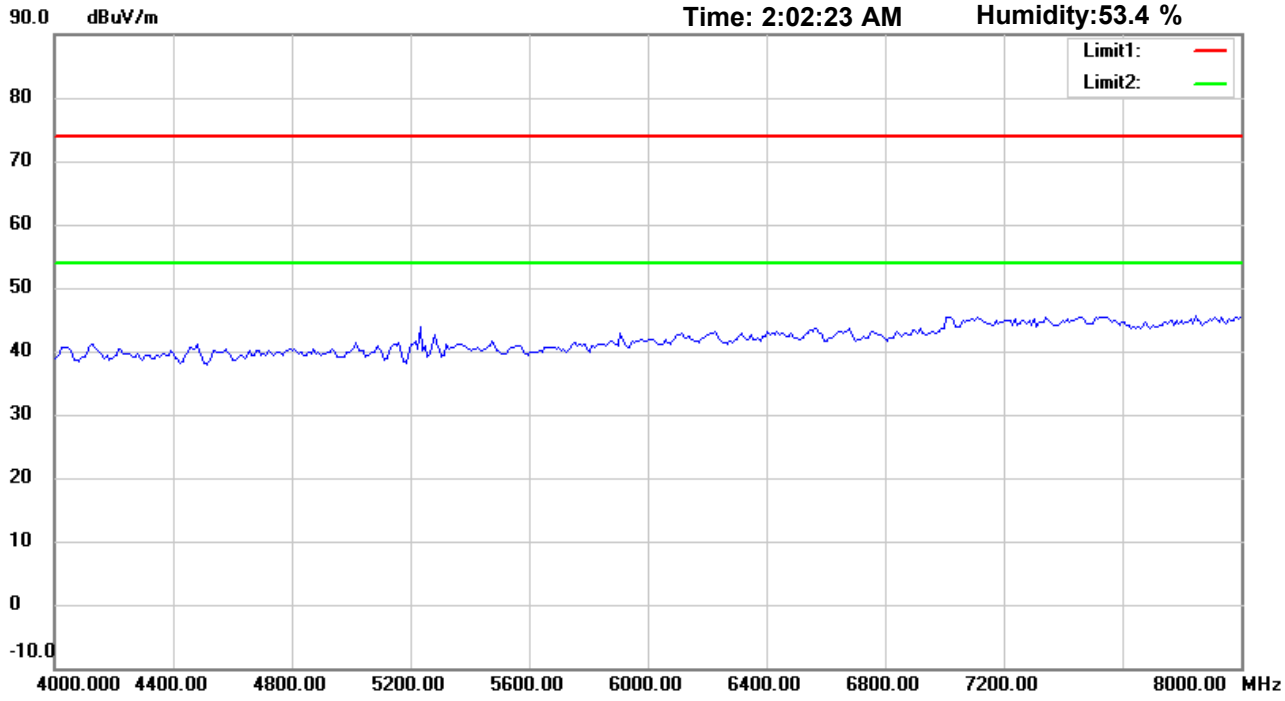
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 2:02:23 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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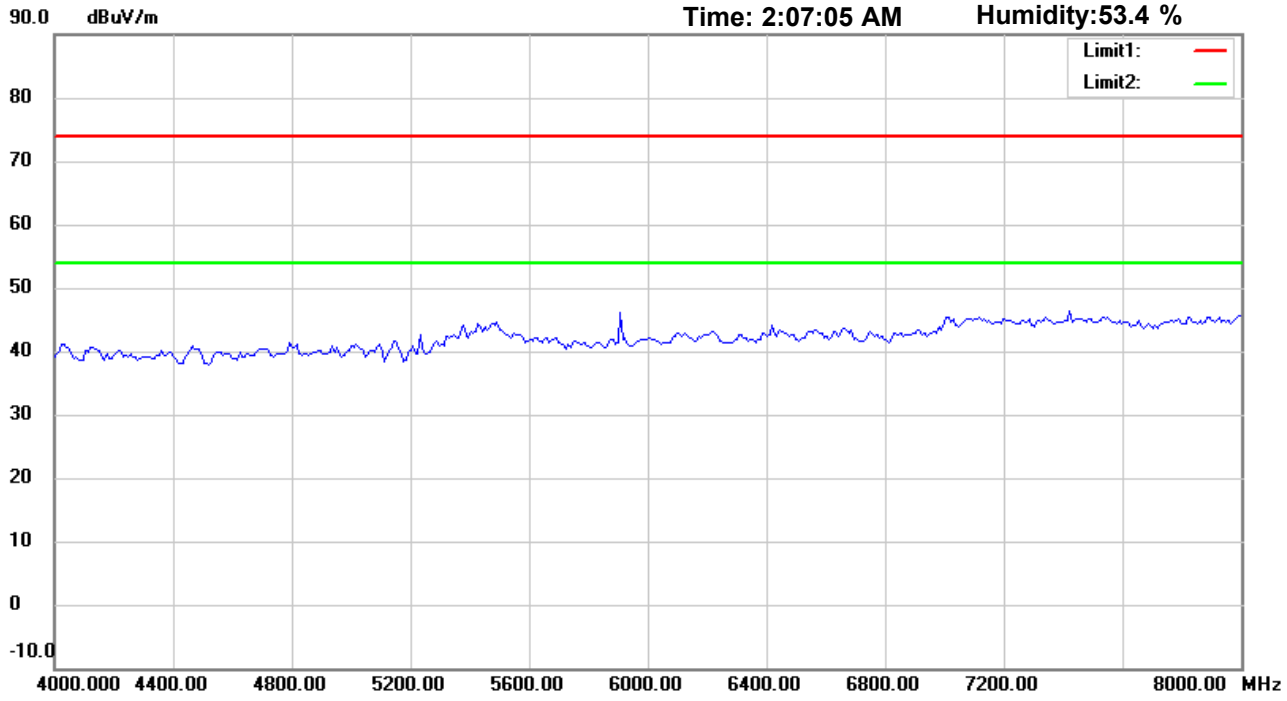
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 2:07:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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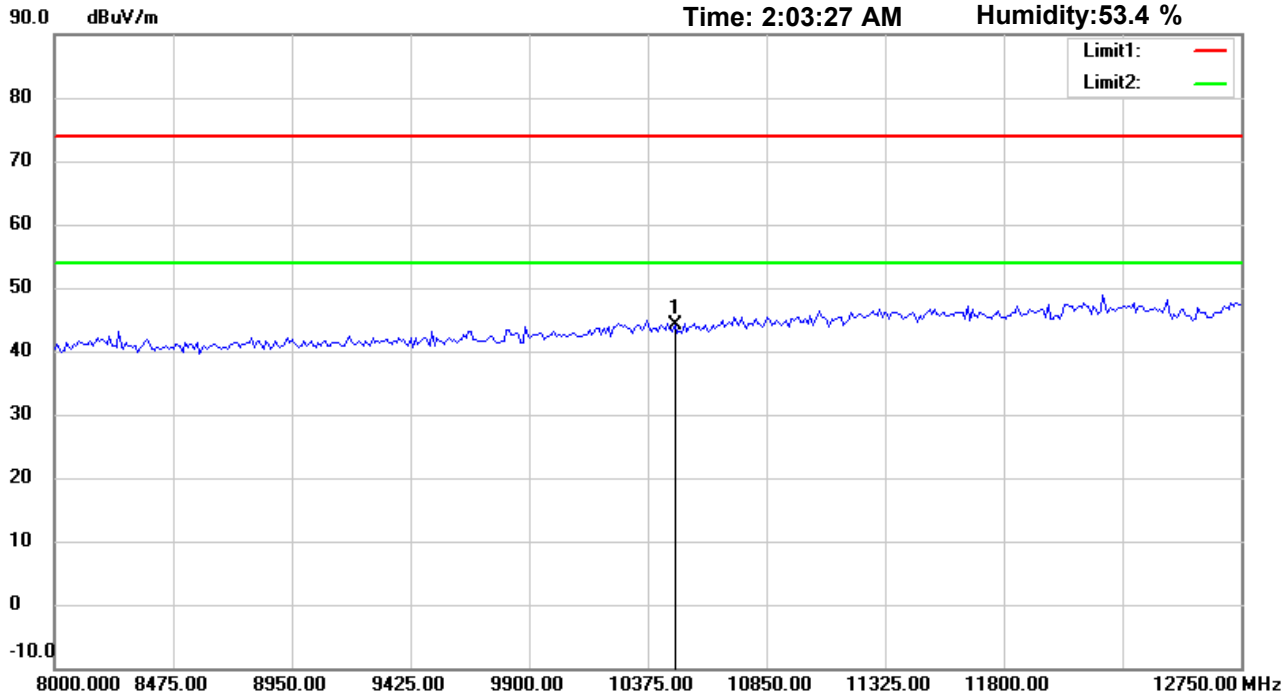
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 2:03:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	10480.000	35.73	peak	8.46	44.19	74.00	150	30	-29.81	

*: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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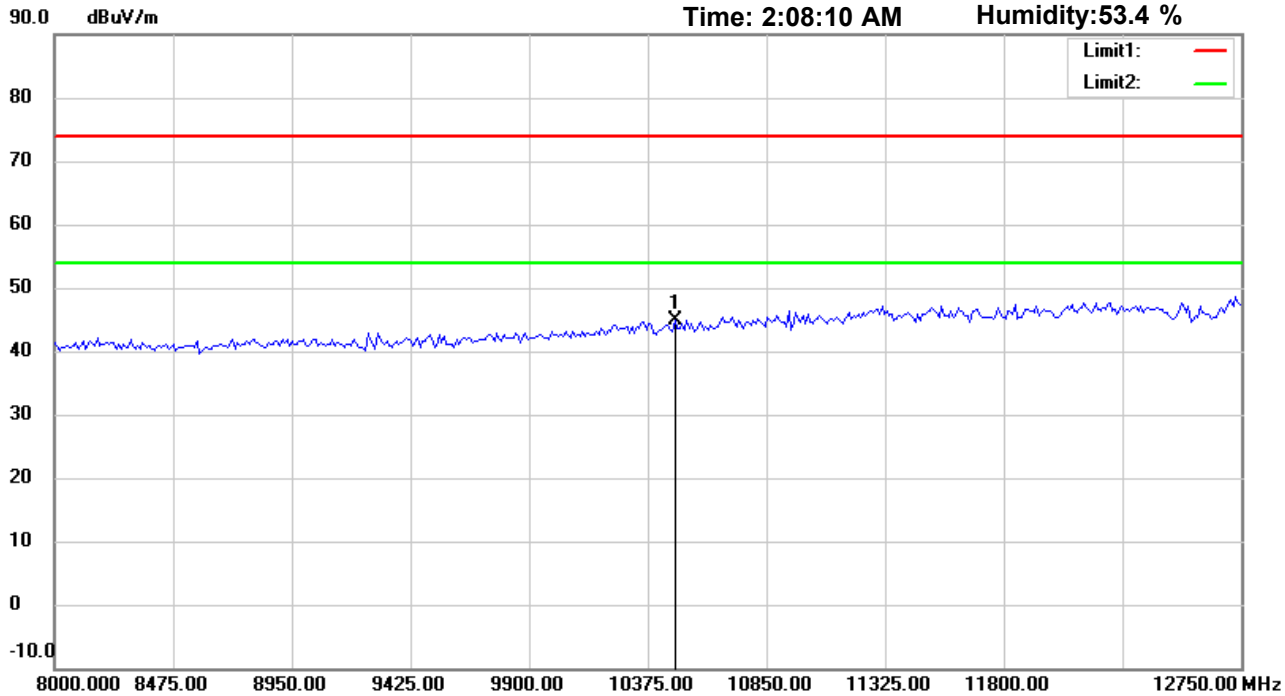
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 2:08:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	10480.000	36.37	peak	8.46	44.83	74.00	150	90	-29.17	

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

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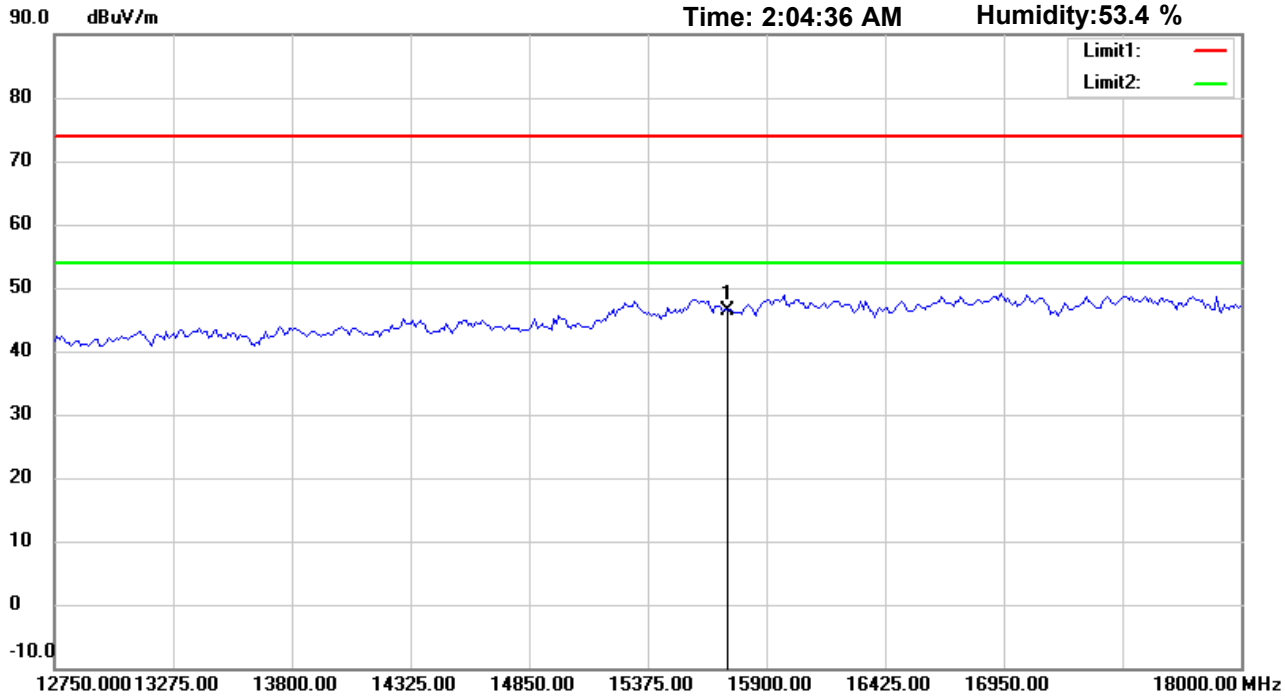
Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 2:04:36 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15720.000	28.92	peak	17.44	46.36	74.00	150	100	-27.64	

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

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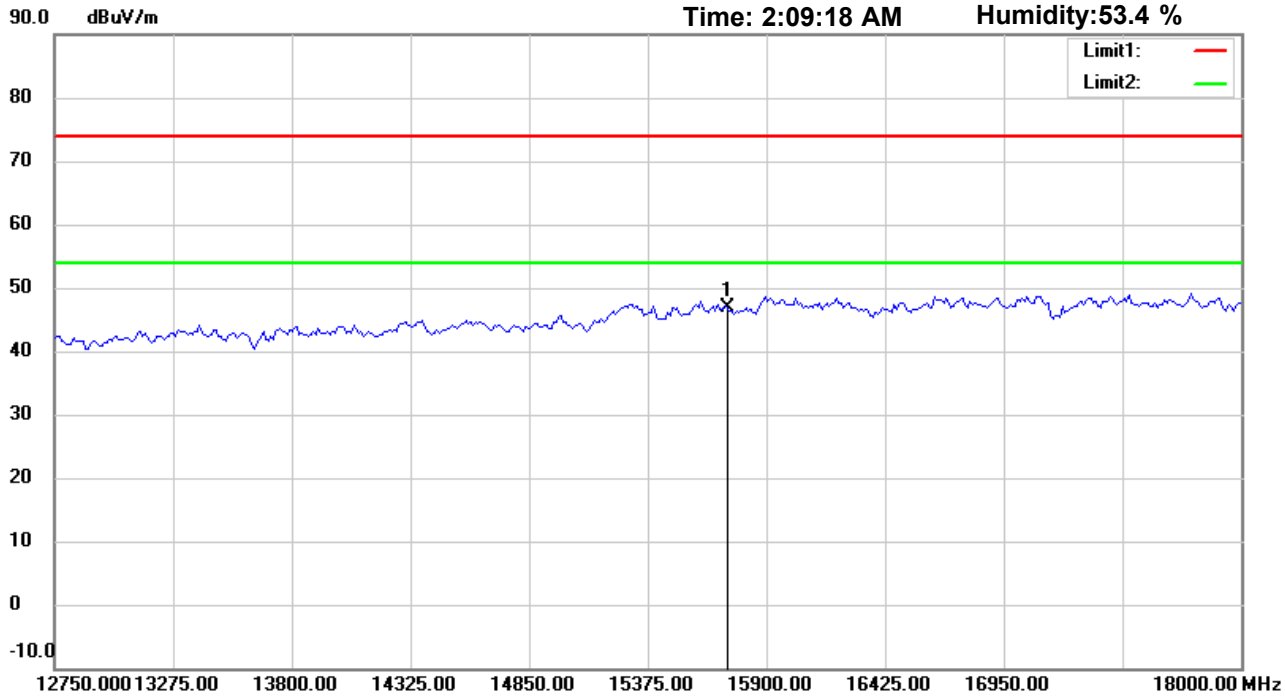
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 2:09:18 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	15720.000	29.42	peak	17.44	46.86	74.00	150	155	-27.14	

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

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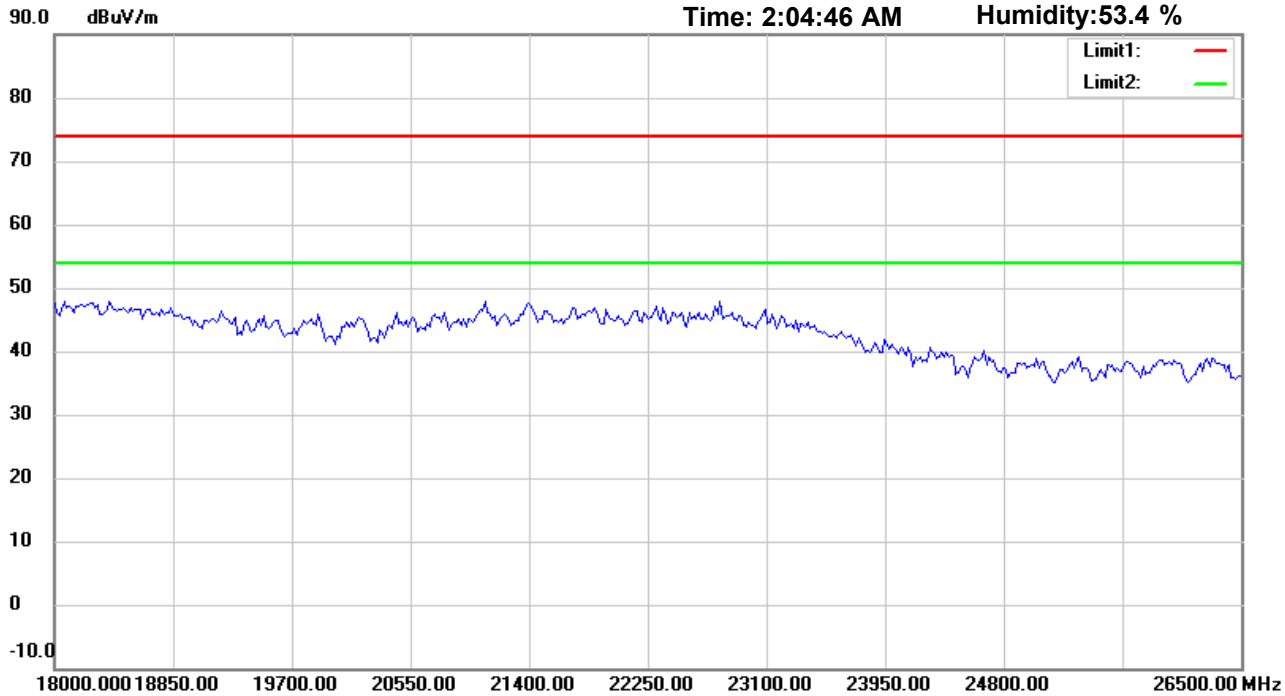
Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 2:04:46 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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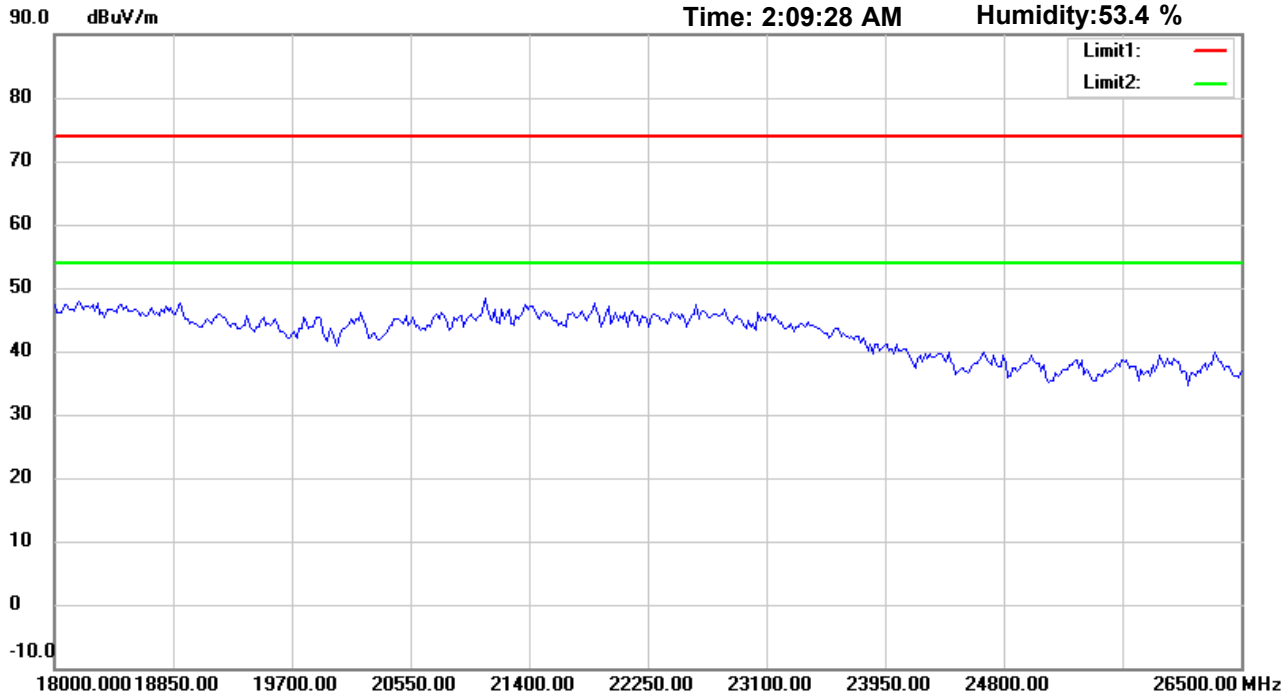
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 2:09:28 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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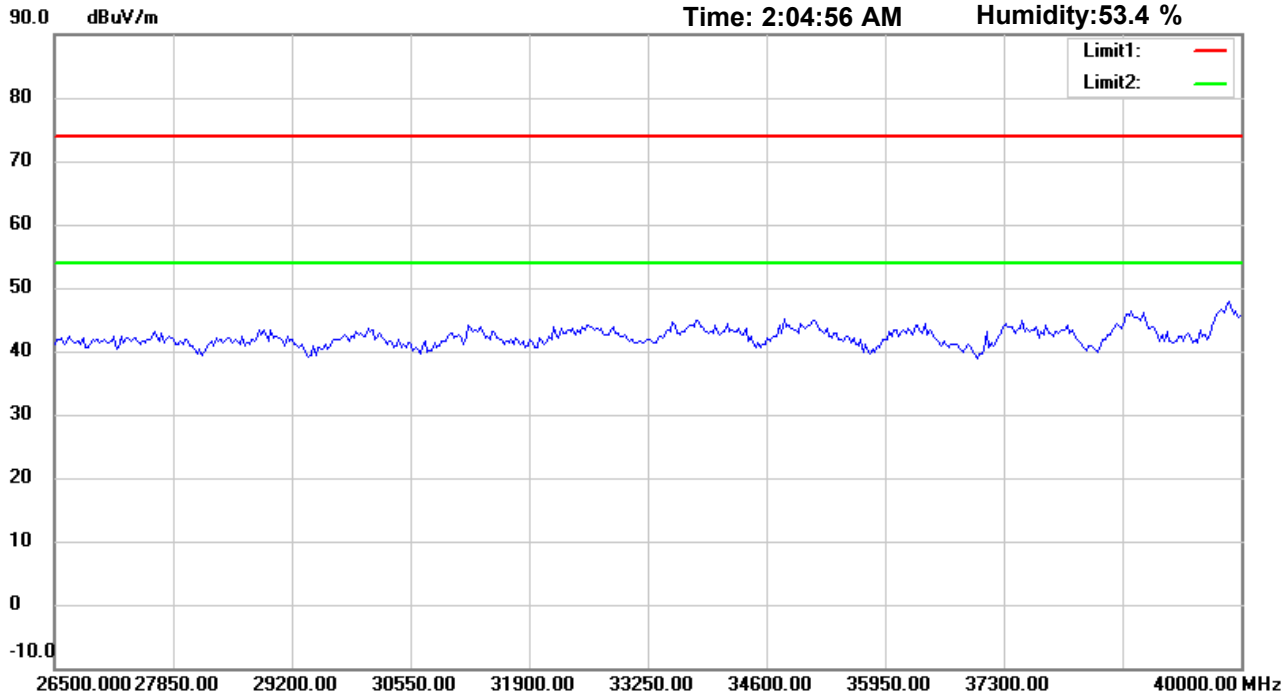
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 2:04:56 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

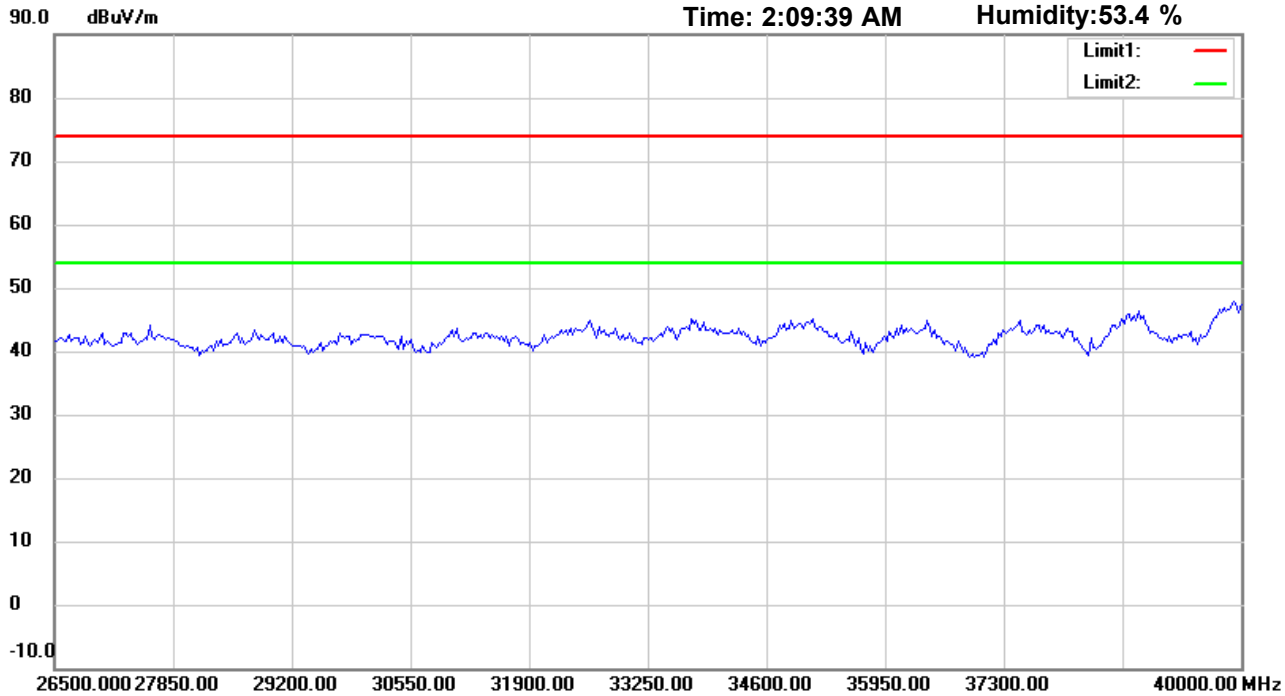
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 2:09:39 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

Note :

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

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

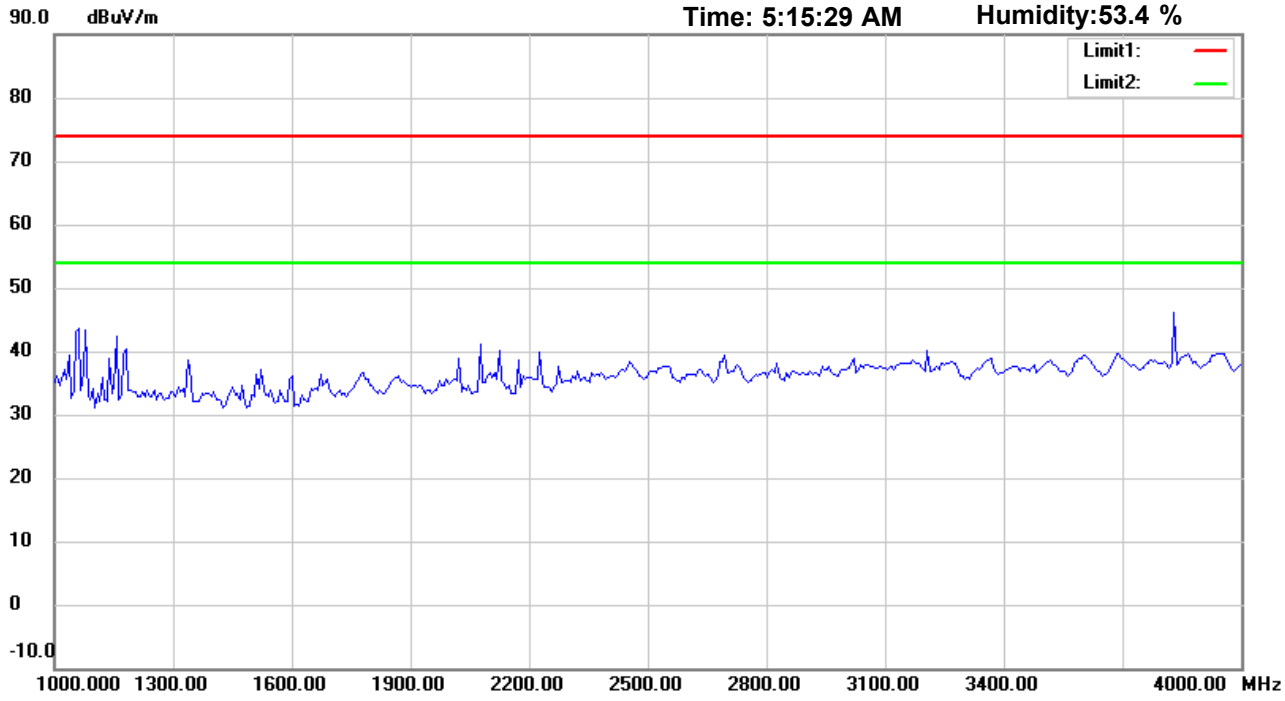
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 5:15:29 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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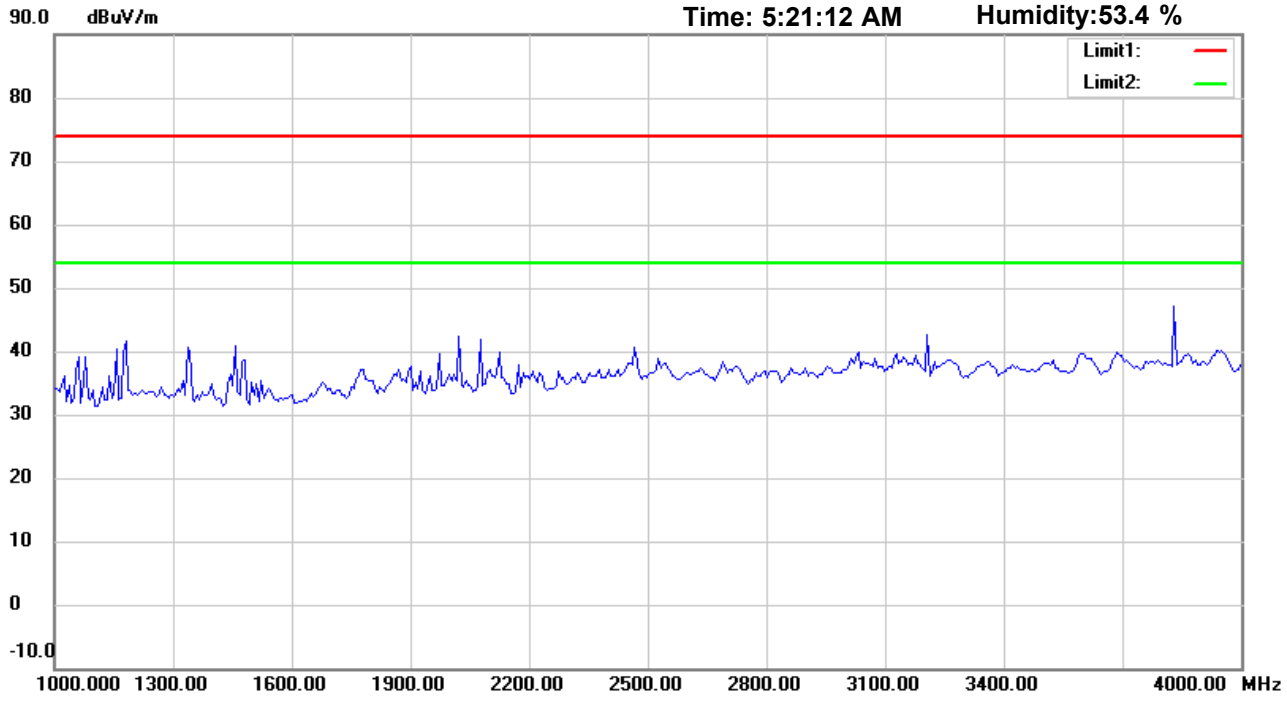
Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 5:21:12 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

Note :

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

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

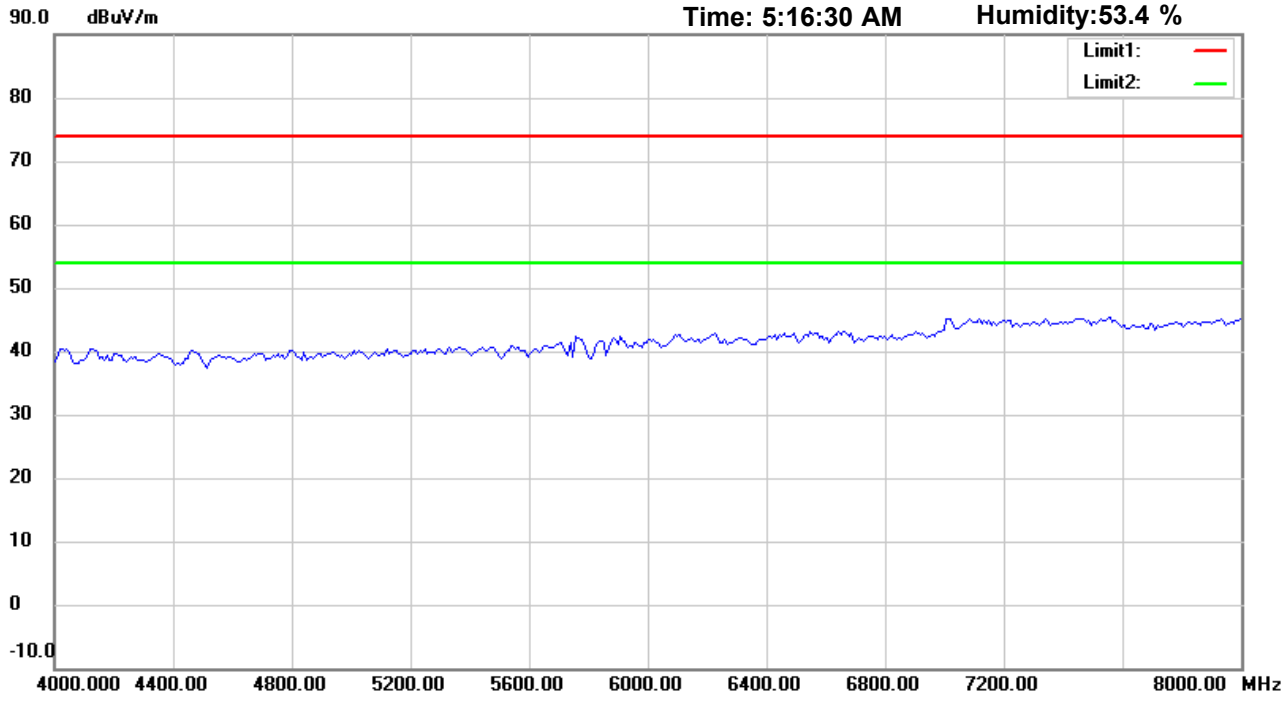
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 5:16:30 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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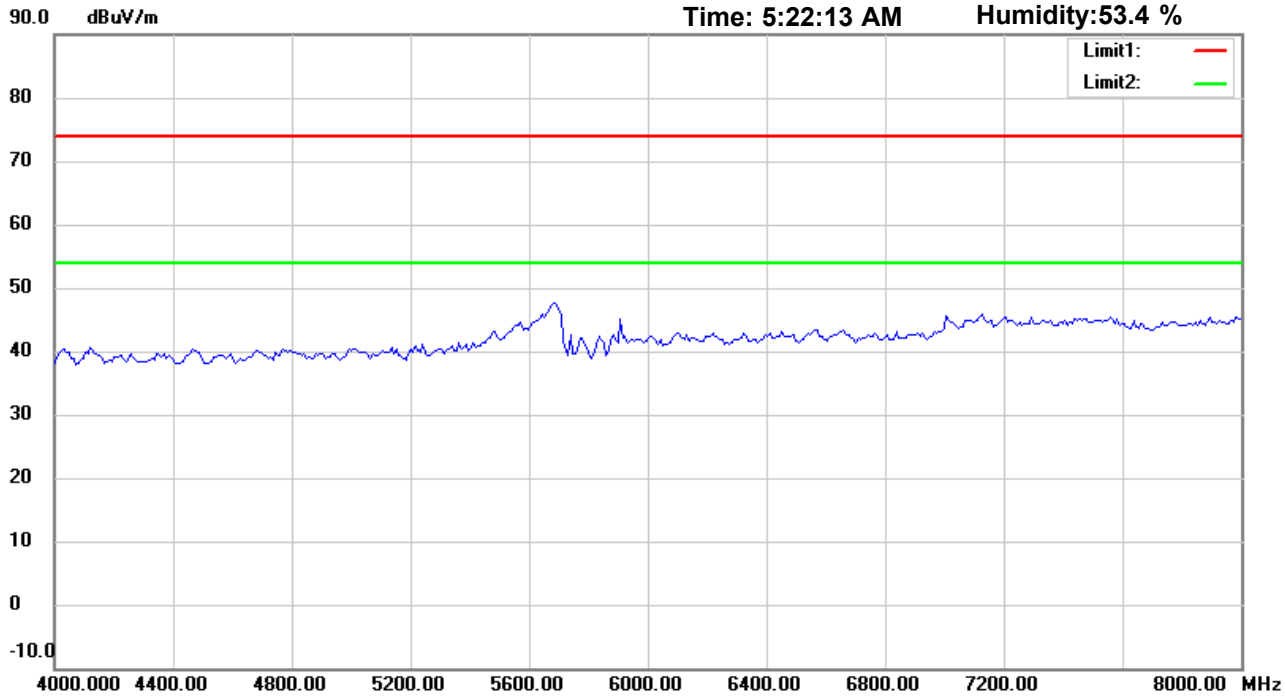
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 5:22:13 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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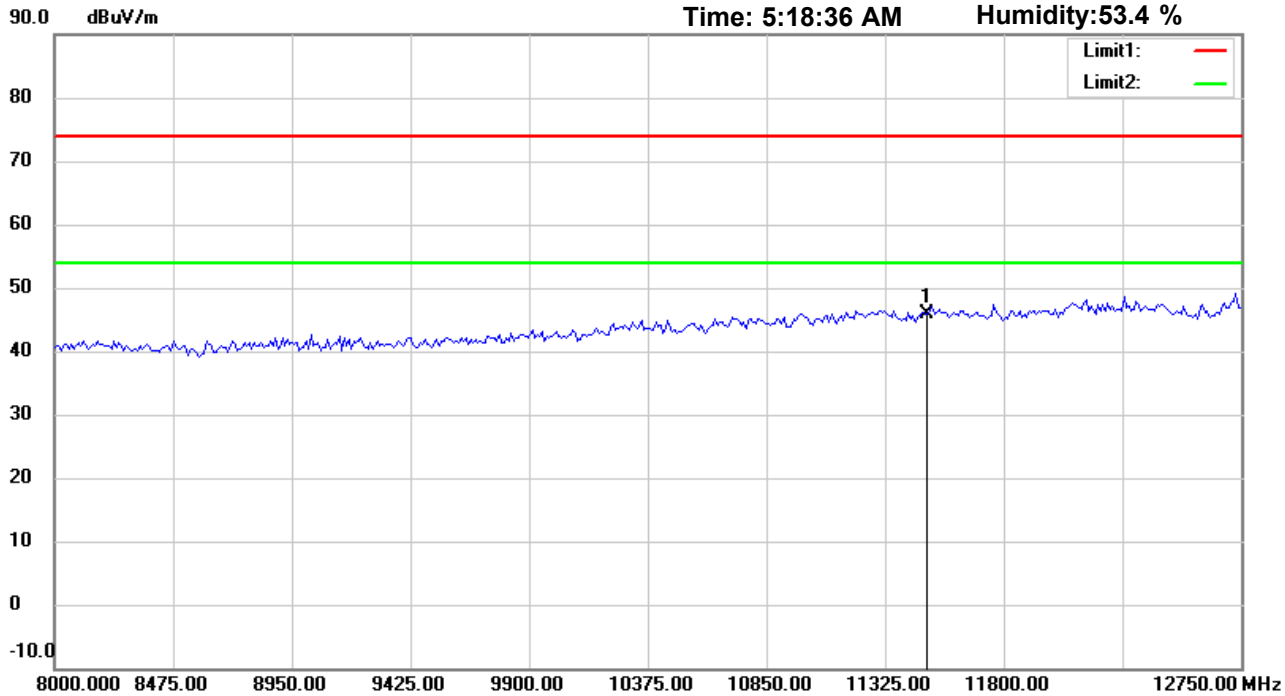
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 5:18:36 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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
*	11490.000	34.64	peak	11.36	46.00	74.00	150	20	-28.00	

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

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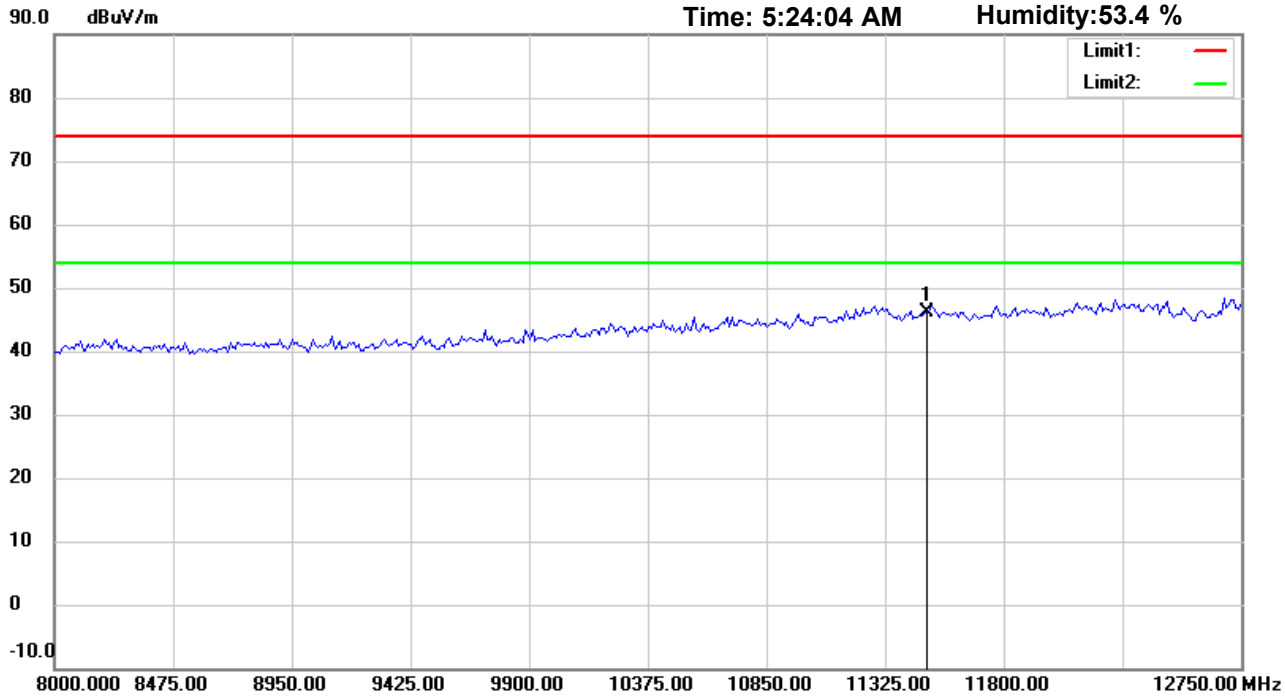
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 5:24:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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
*	11490.000	34.84	peak	11.36	46.20	74.00	150	325	-27.80	

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

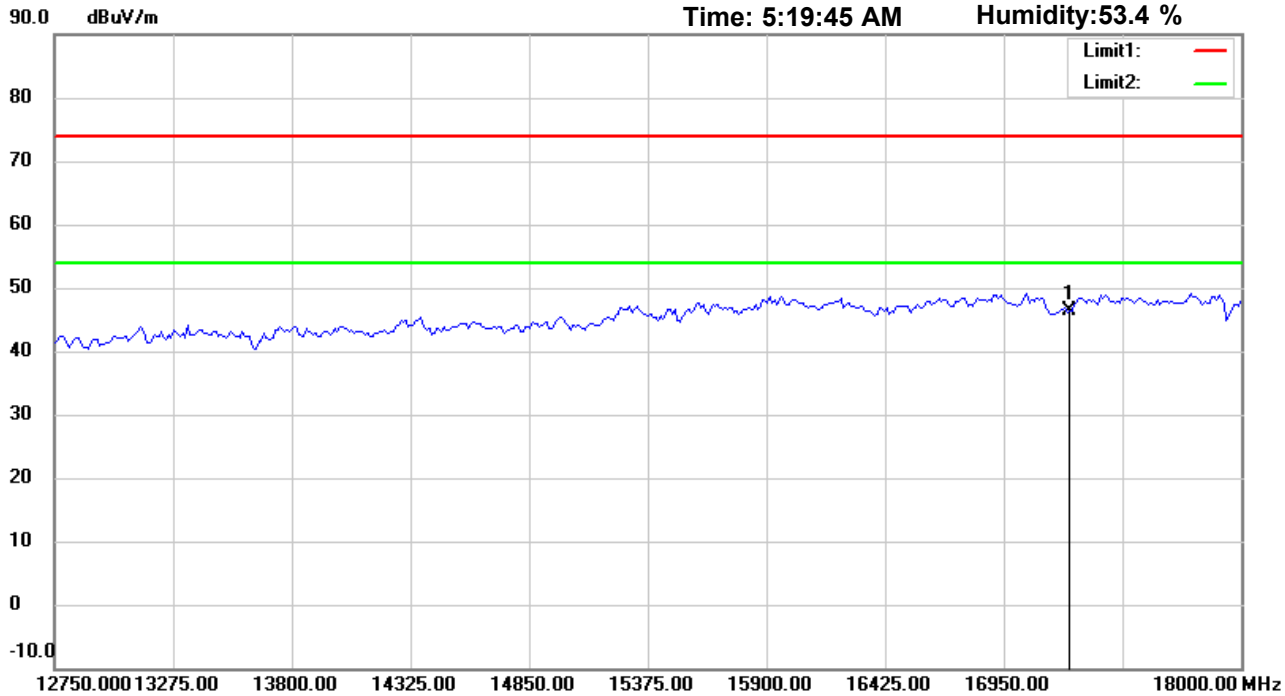
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 5:19:45 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17235.000	27.14	peak	19.23	46.37	74.00	150	210	-27.63	

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

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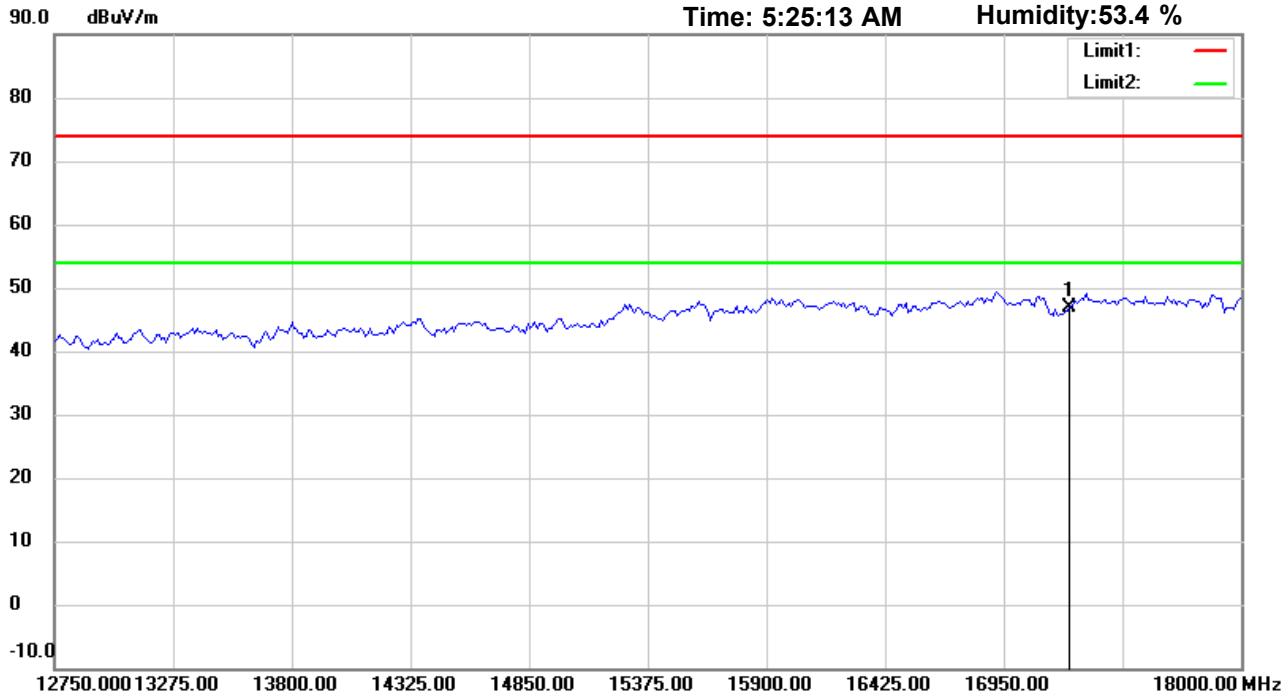
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 5:25:13 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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
*	17235.000	27.61	peak	19.23	46.84	74.00	150	50	-27.16	

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

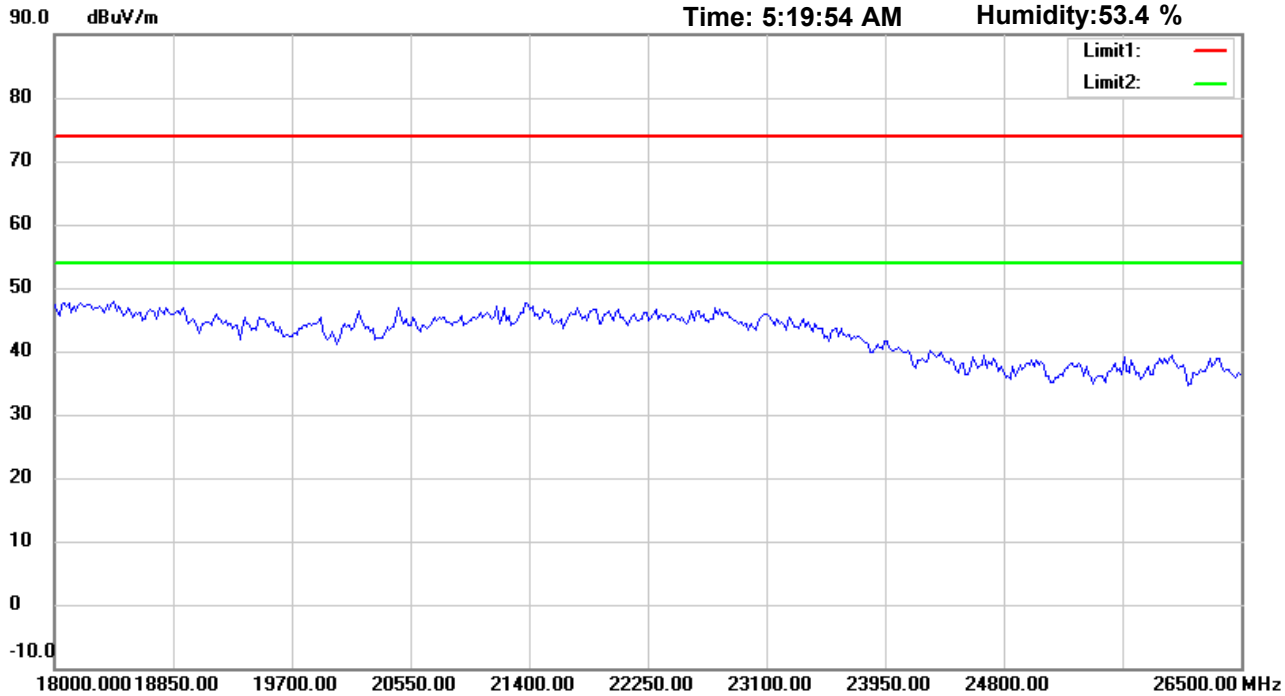
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 5:19:54 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

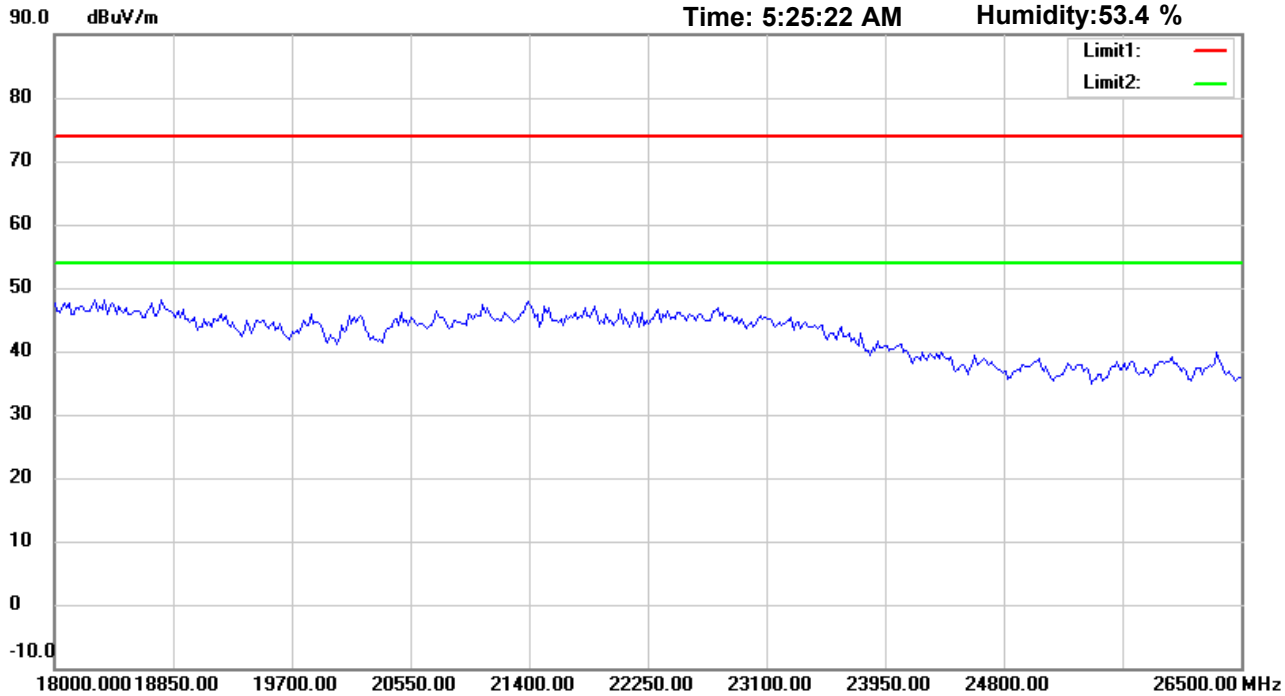
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 5:25:22 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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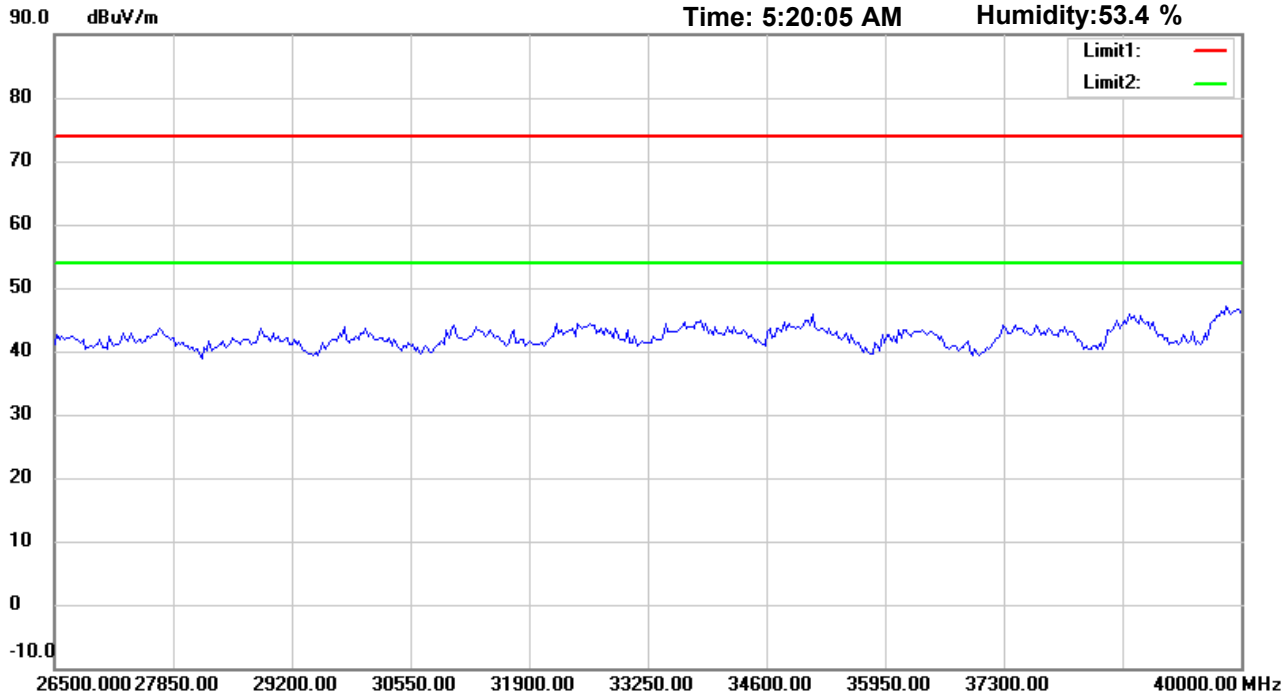
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 5:20:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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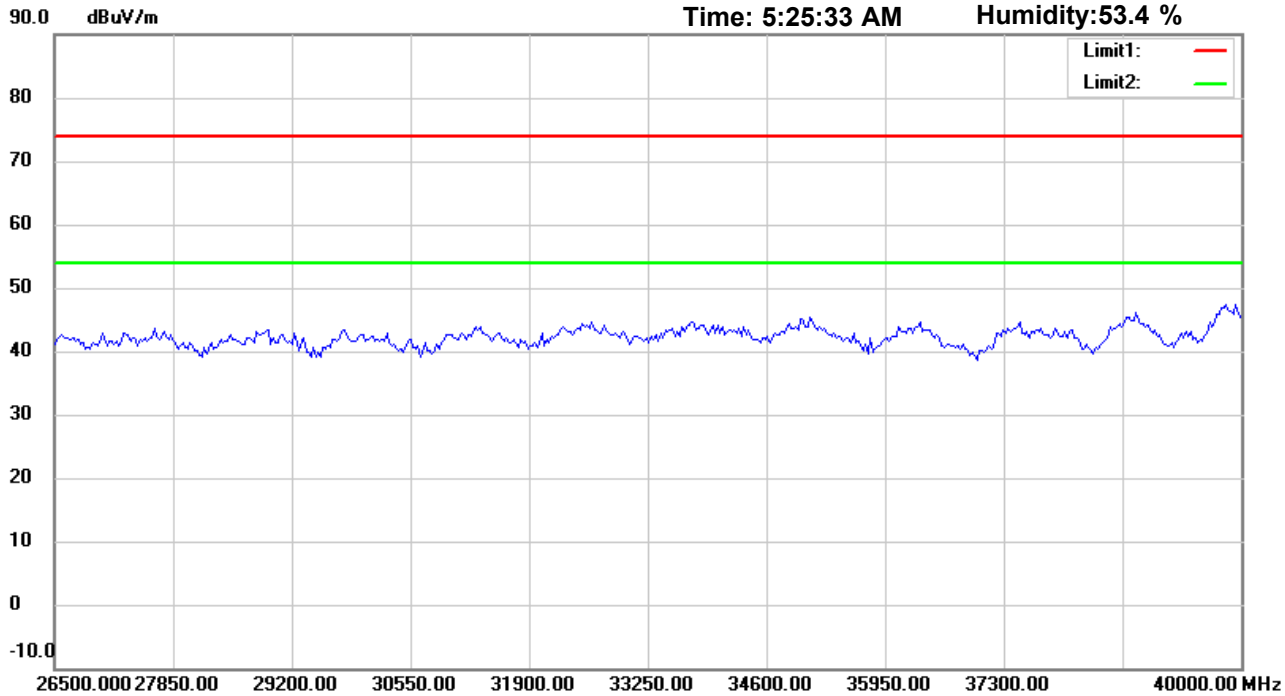
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 5:25:33 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

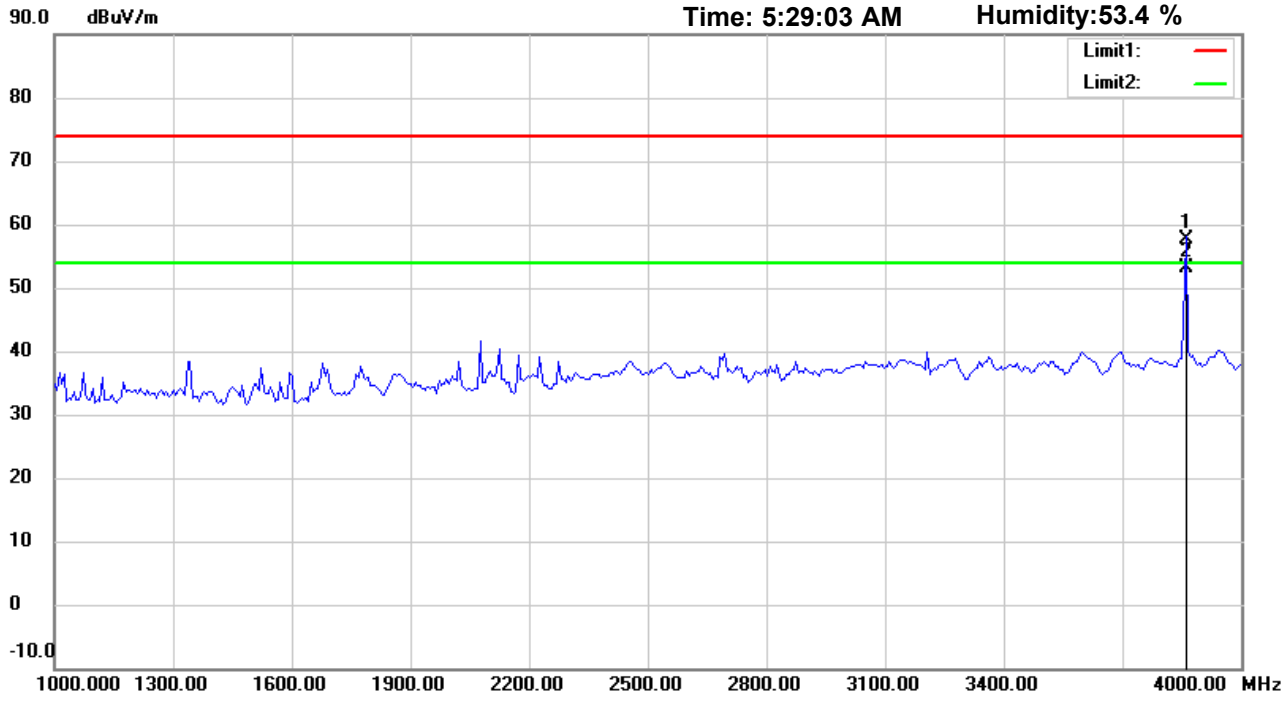
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 5:29:03 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
	3856.853	60.16	peak	-2.42	57.74	74.00	150	175	-16.26	
*	3856.853	55.48	AVG	-2.42	53.06	54.00	150	175	-0.94	

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

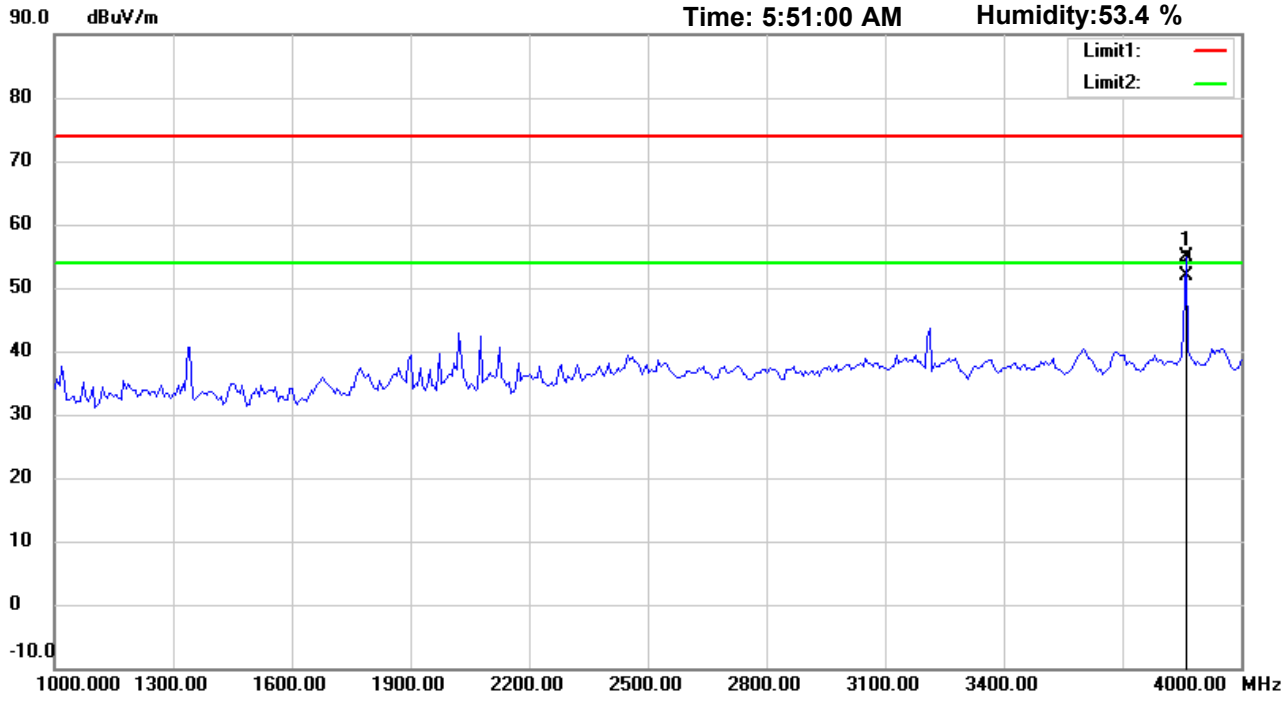
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 5:51:00 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
	3856.853	57.38	peak	-2.42	54.96	74.00	150	80	-19.04	
*	3856.853	54.19	AVG	-2.42	51.77	54.00	150	80	-2.23	

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

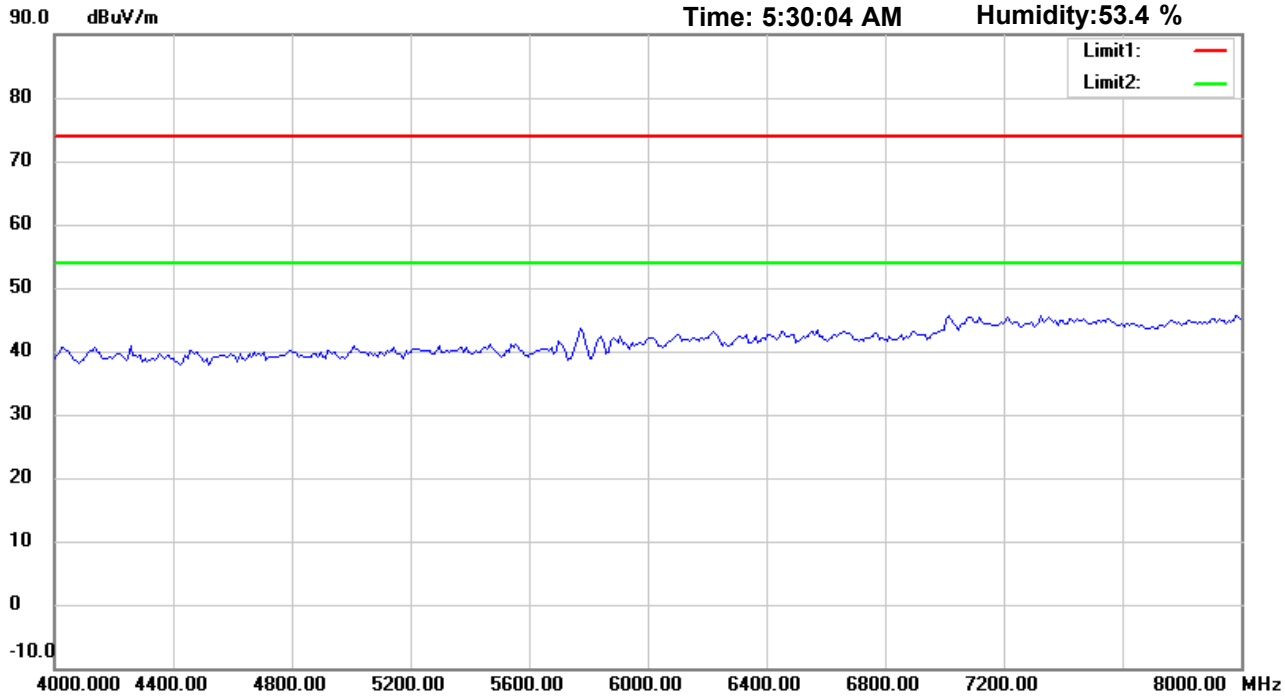
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 5:30:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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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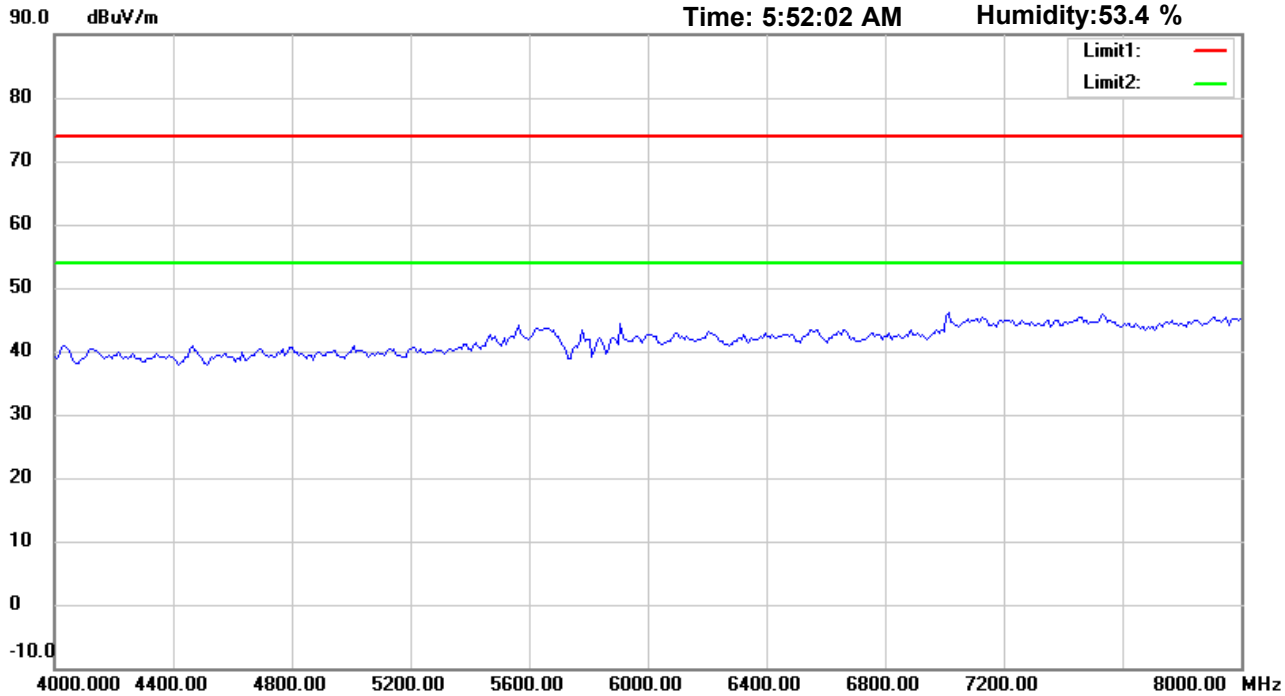
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 5:52:02 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

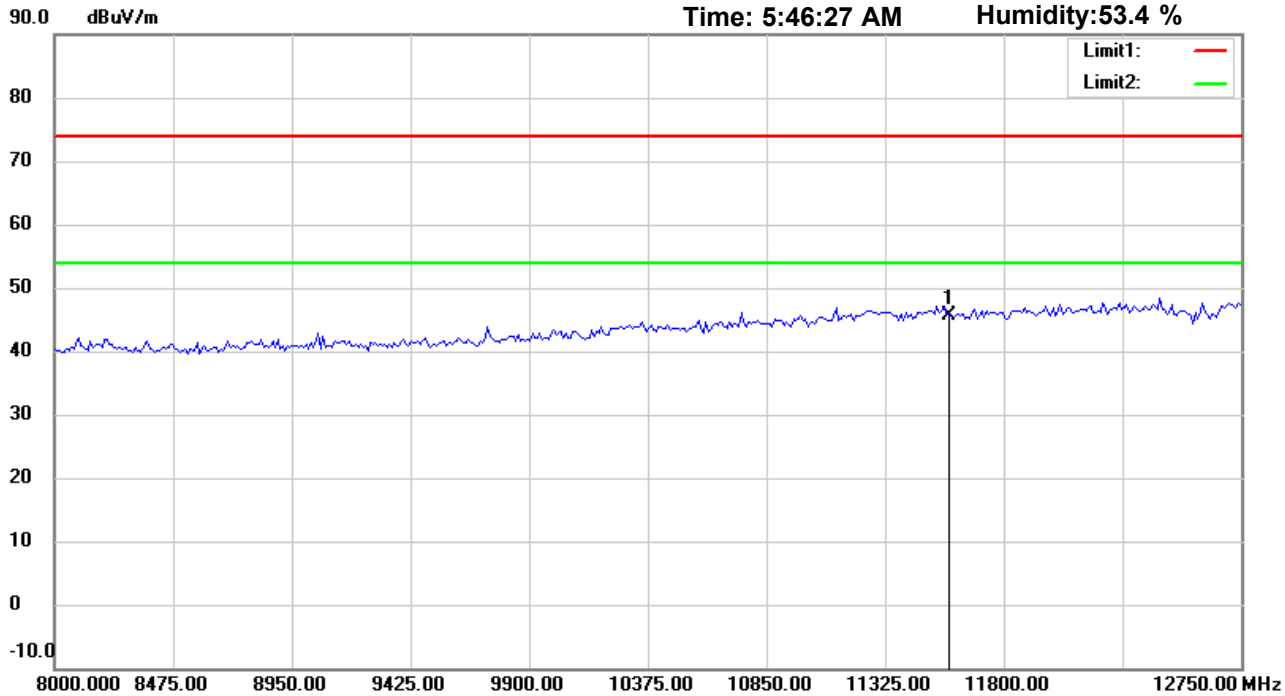
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 5:46:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
*	11570.000	34.46	peak	11.12	45.58	74.00	150	215	-28.42	

*: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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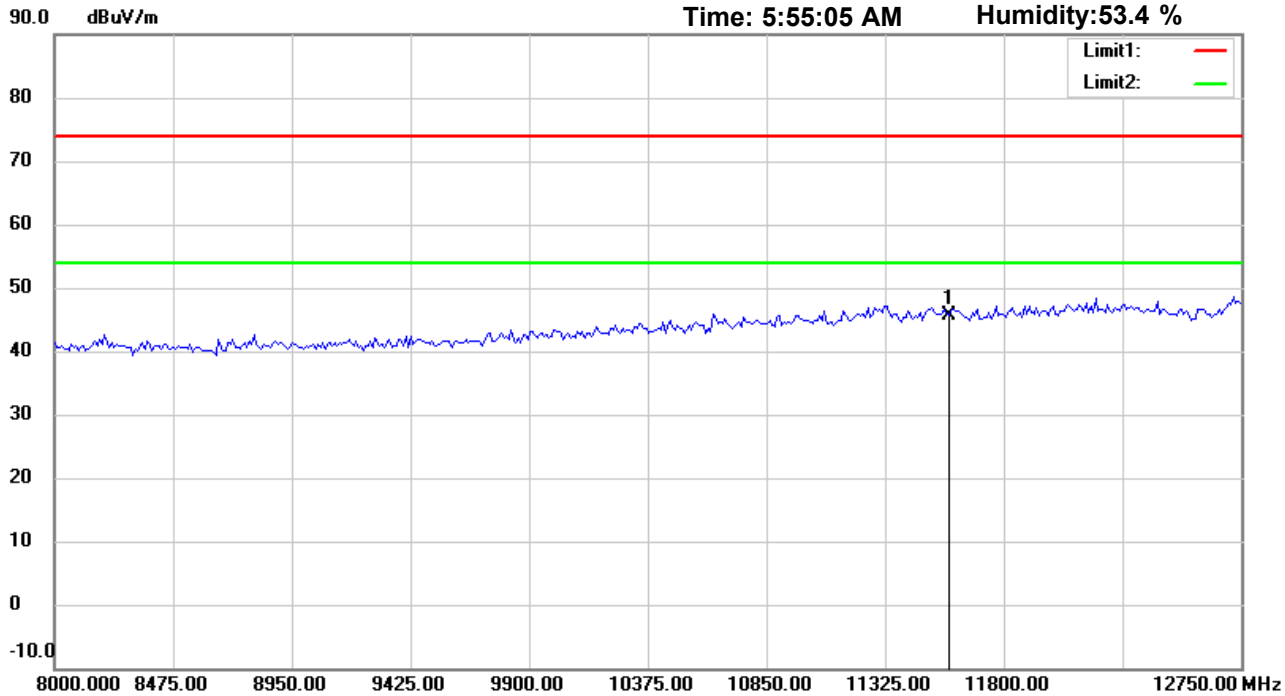
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 5:55:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	11570.000	34.60	peak	11.12	45.72	74.00	150	340	-28.28	

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

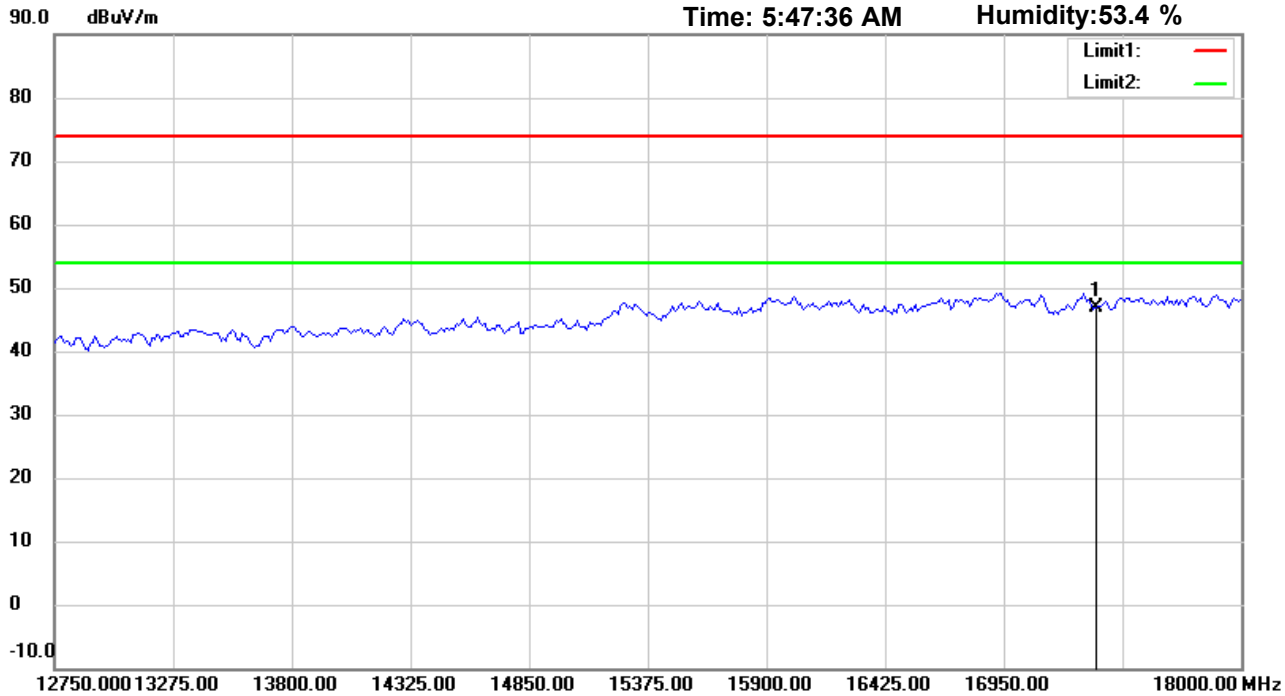
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 5:47:36 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
*	17355.000	26.41	peak	20.45	46.86	74.00	150	270	-27.14	

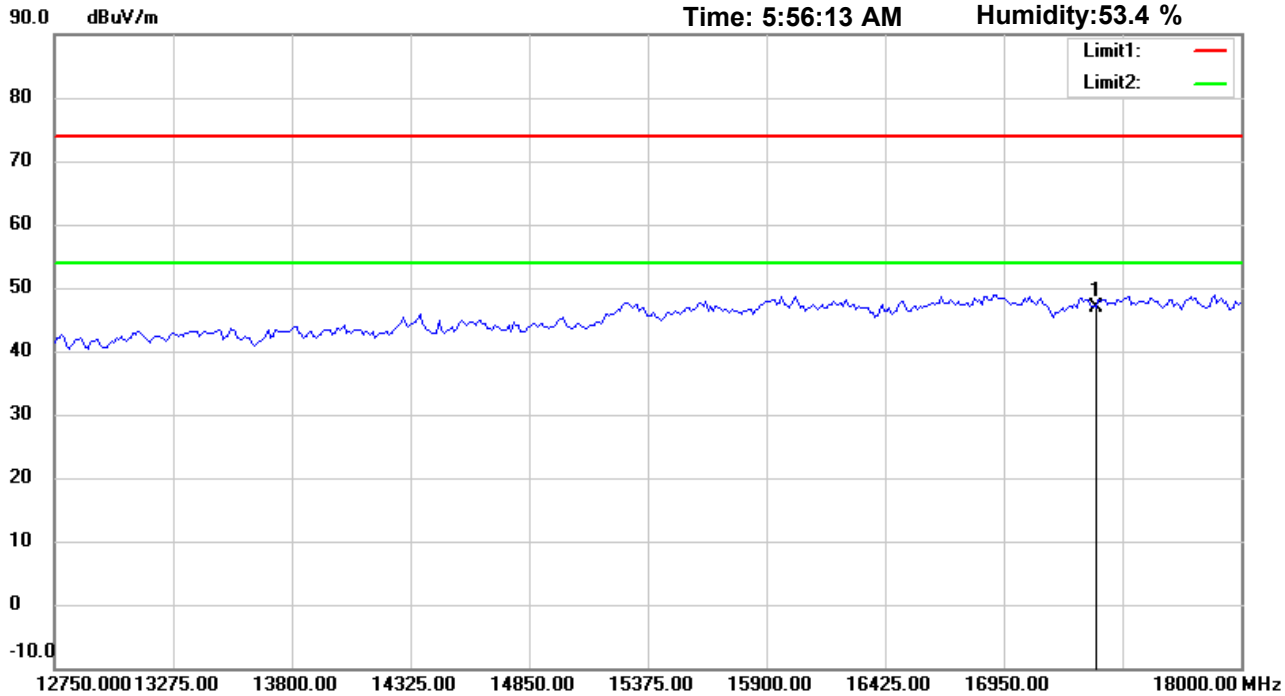
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 5:56:13 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
*	17355.000	26.48	peak	20.45	46.93	74.00	150	45	-27.07	

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

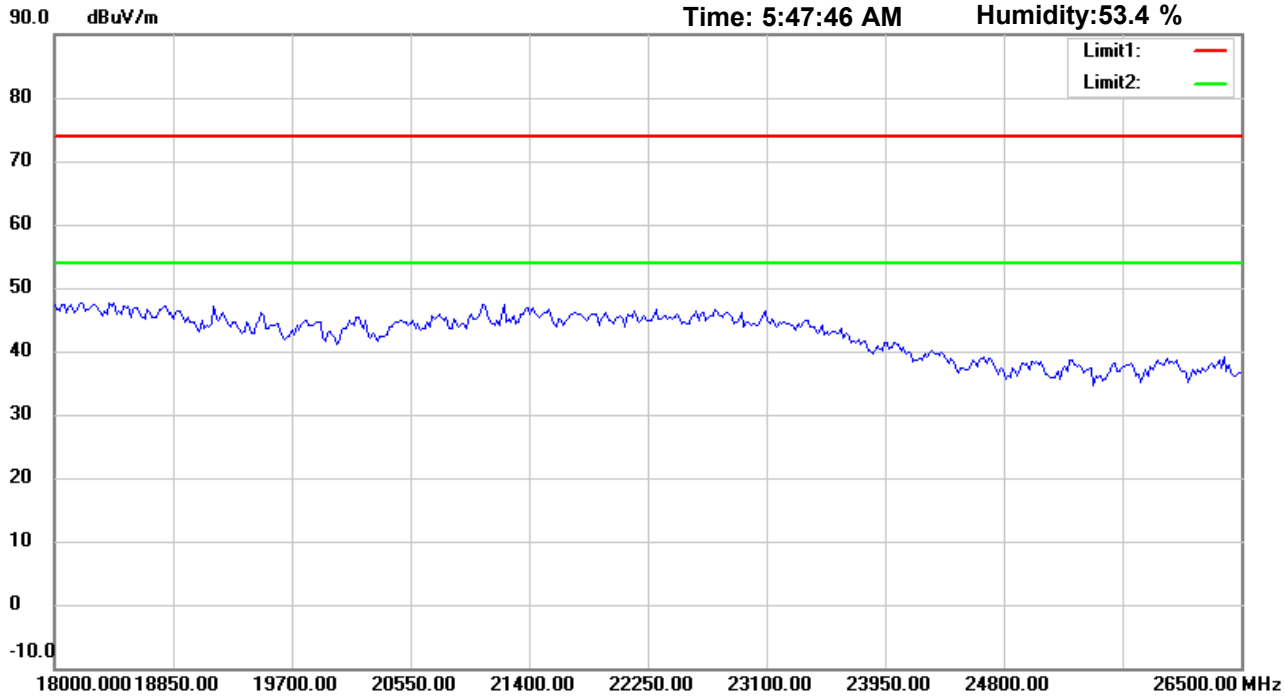
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 5:47:46 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

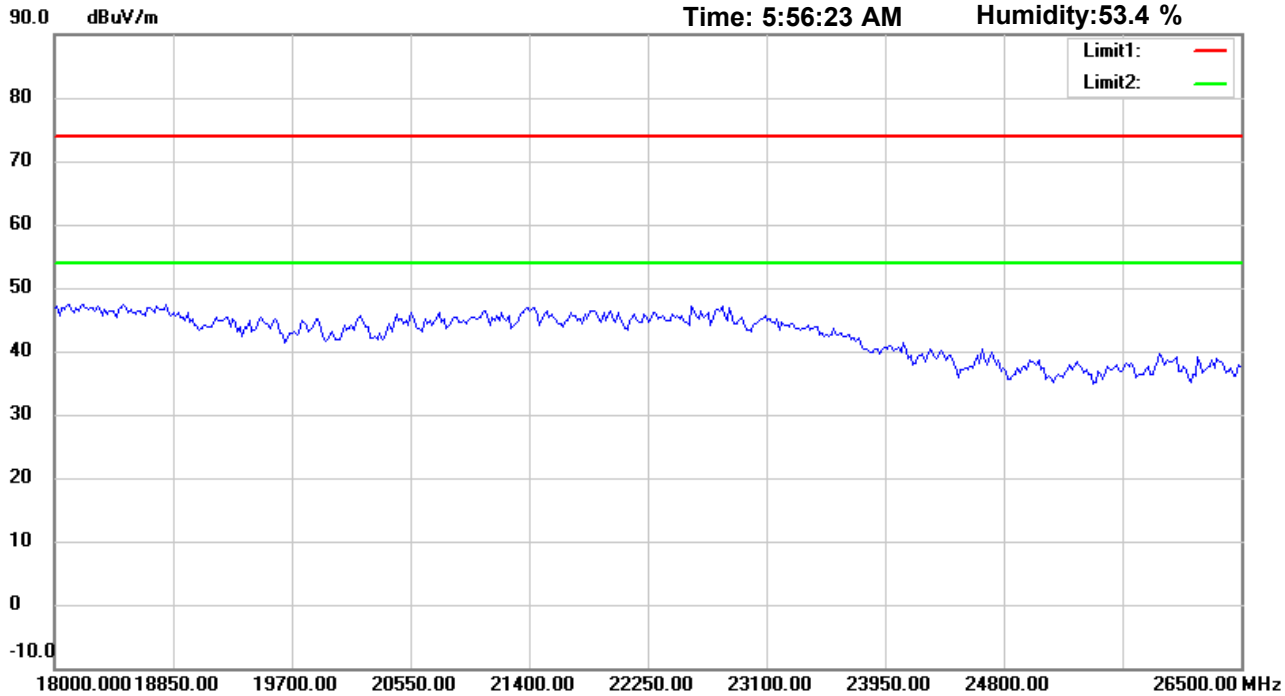
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 5:56:23 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

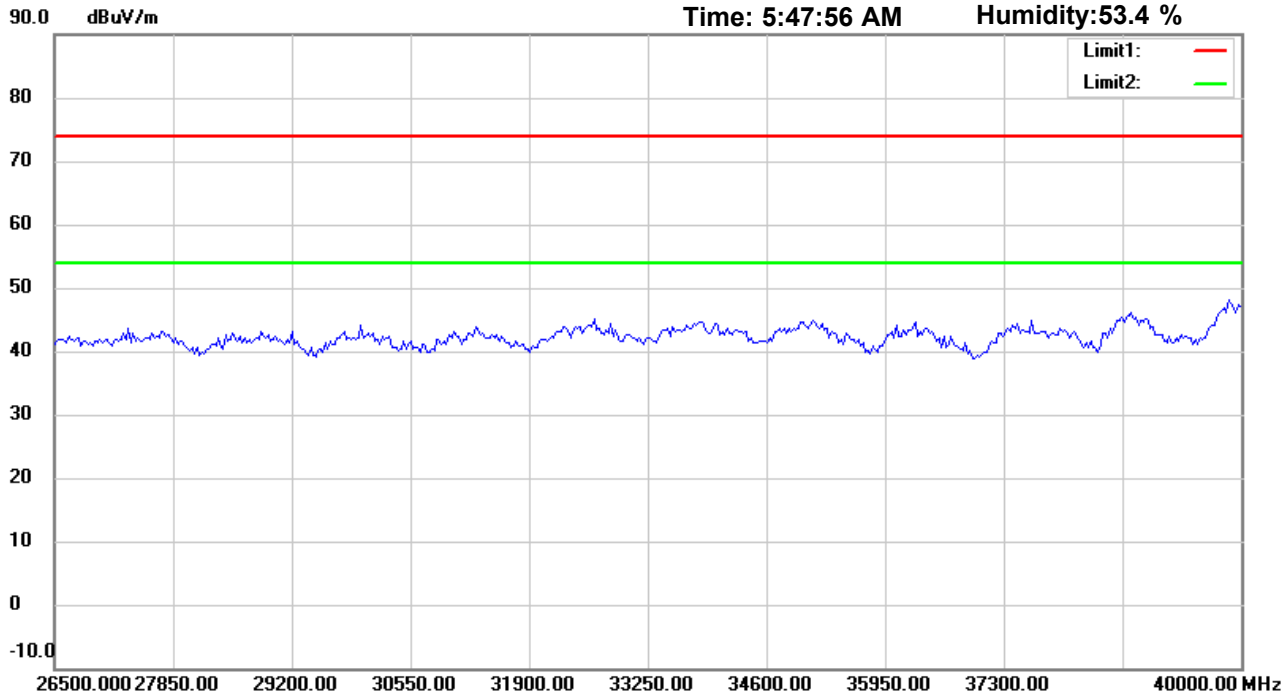
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 5:47:56 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

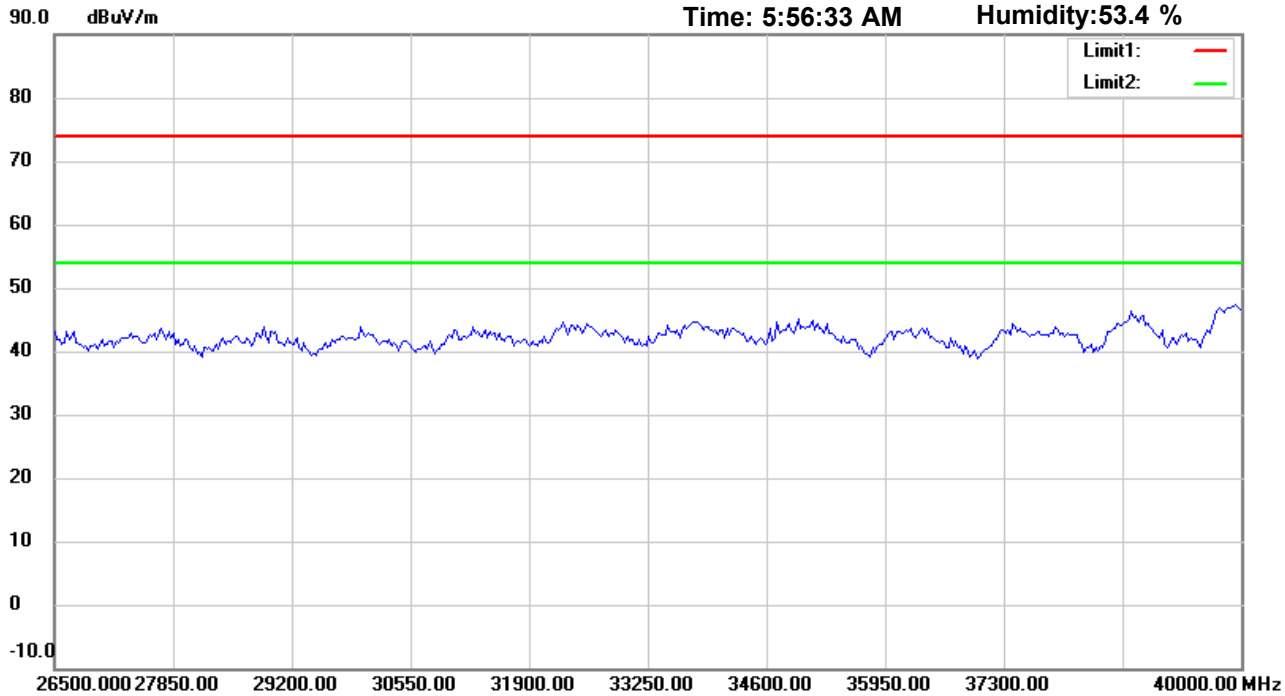
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 5:56:33 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

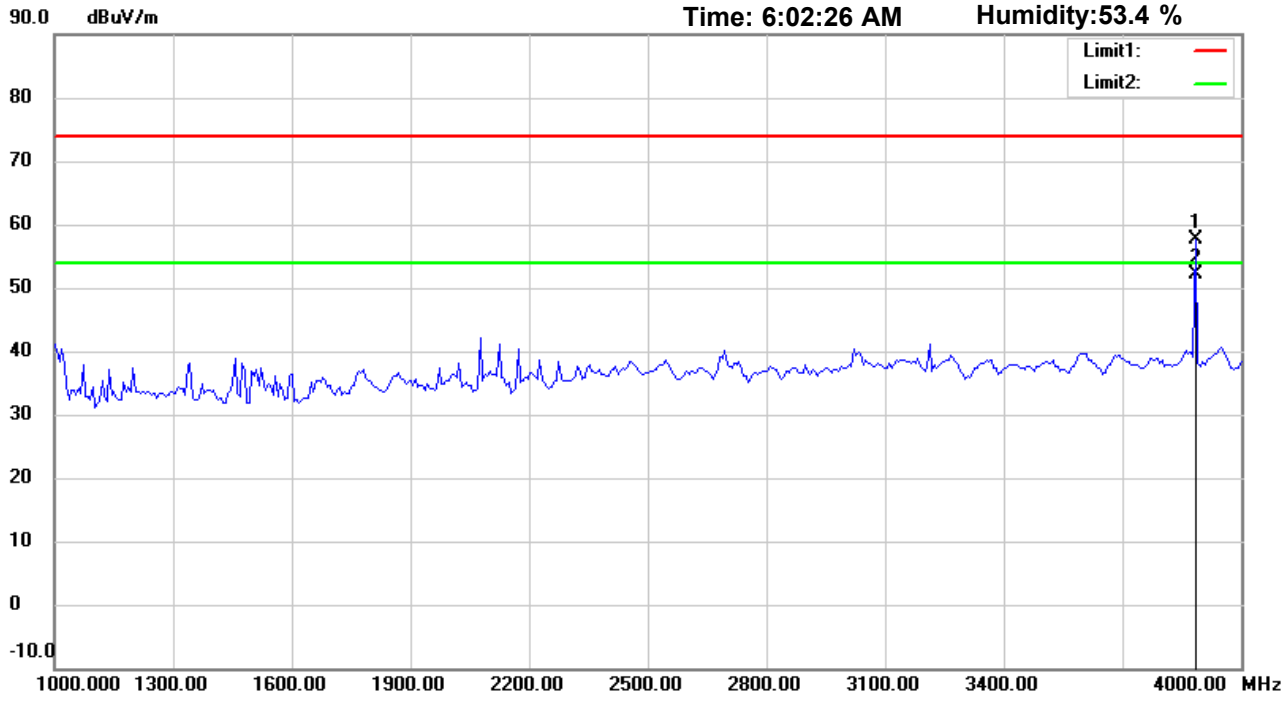
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 6:02:26 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
	3883.526	59.72	peak	-2.13	57.59	74.00	150	0	-16.41	
*	3883.526	54.27	AVG	-2.13	52.14	54.00	150	0	-1.86	

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

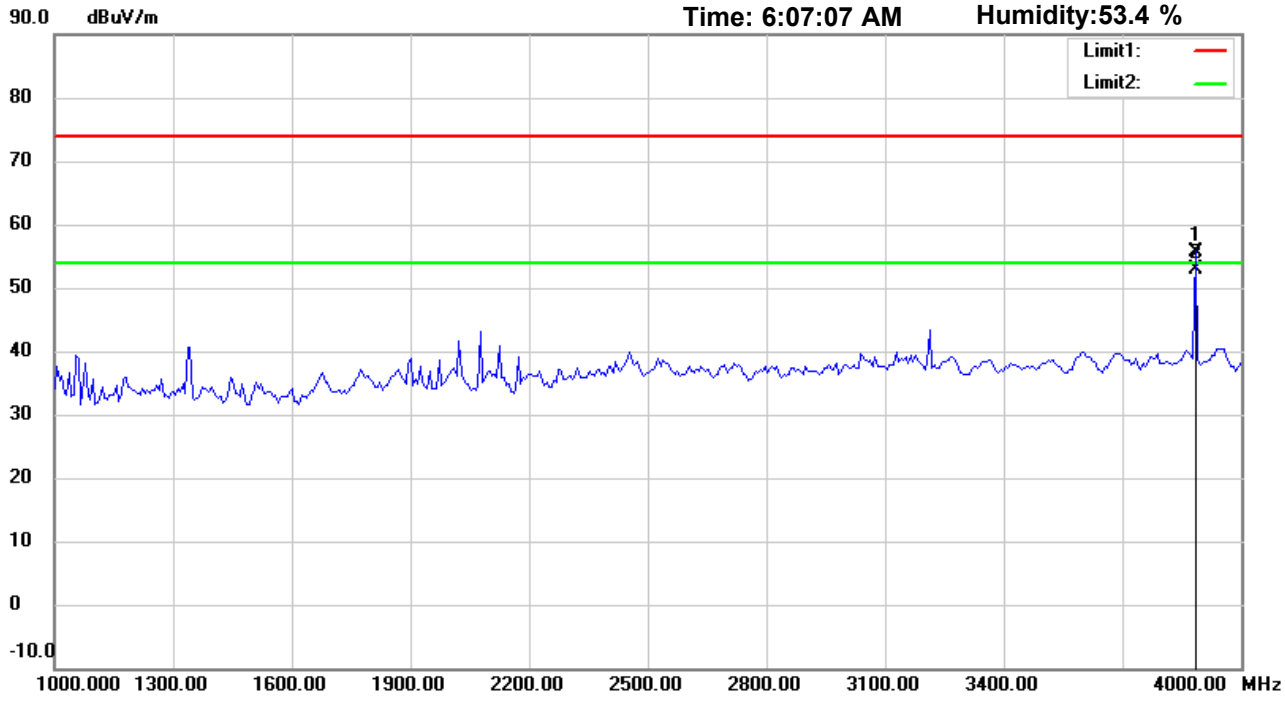
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 6:07:07 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
	3883.526	57.78	peak	-2.13	55.65	74.00	150	170	-18.35	
*	3883.526	54.94	AVG	-2.13	52.81	54.00	150	170	-1.19	

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

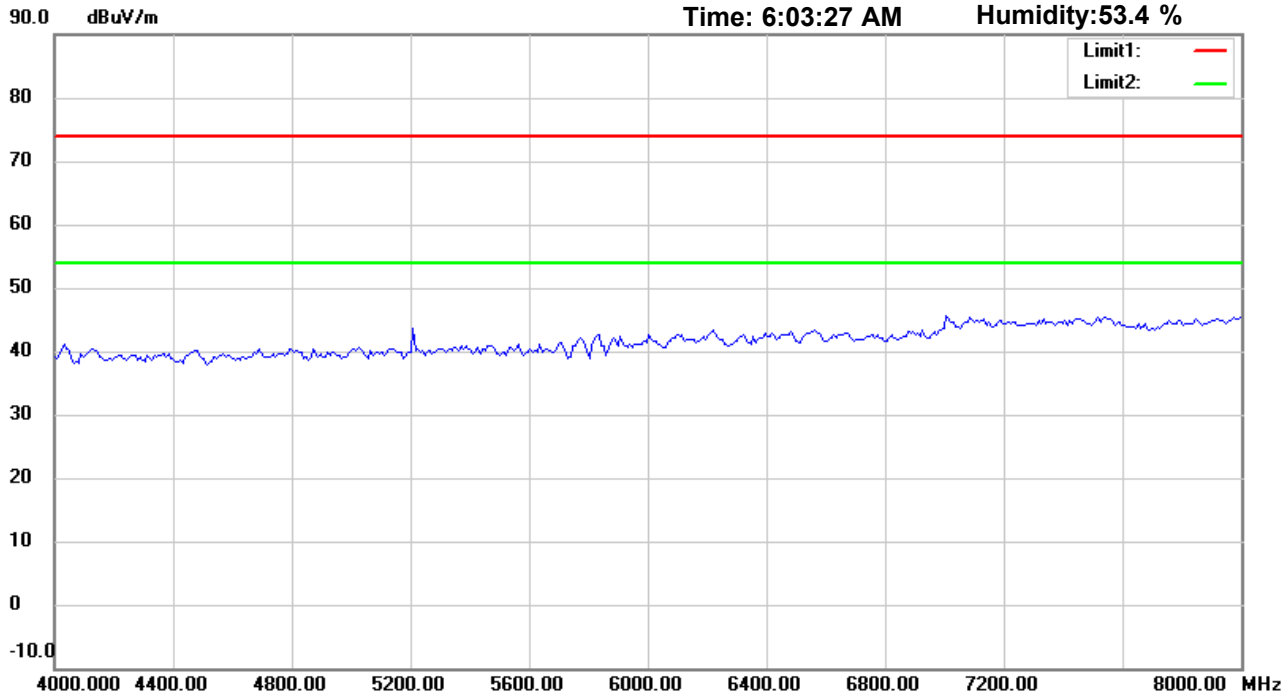
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 6:03:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

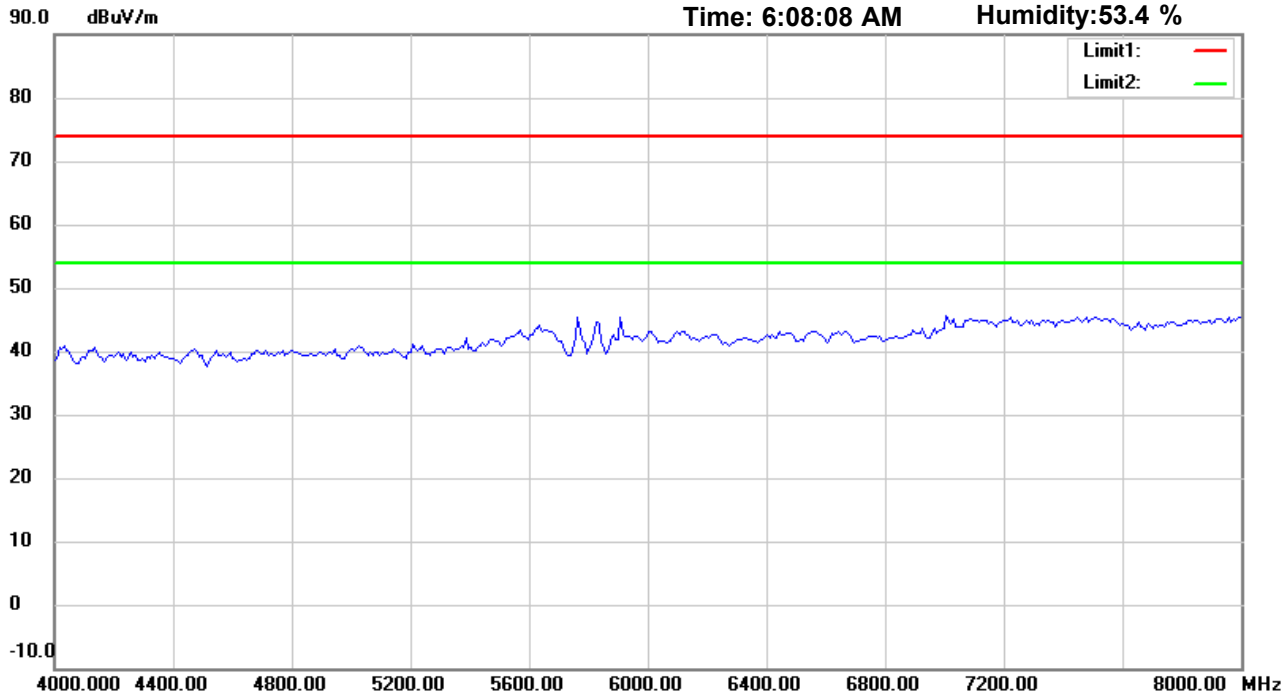
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 6:08:08 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

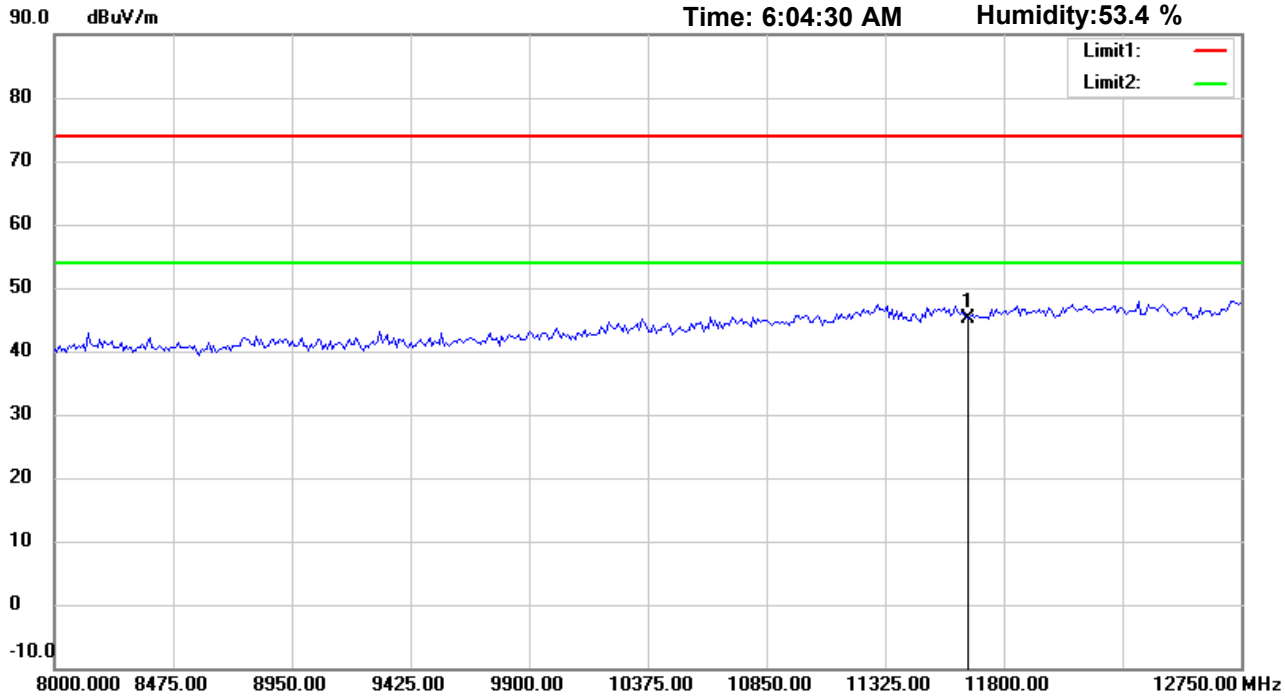
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 6:04:30 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	11650.000	34.21	peak	10.97	45.18	74.00	150	155	-28.82	

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

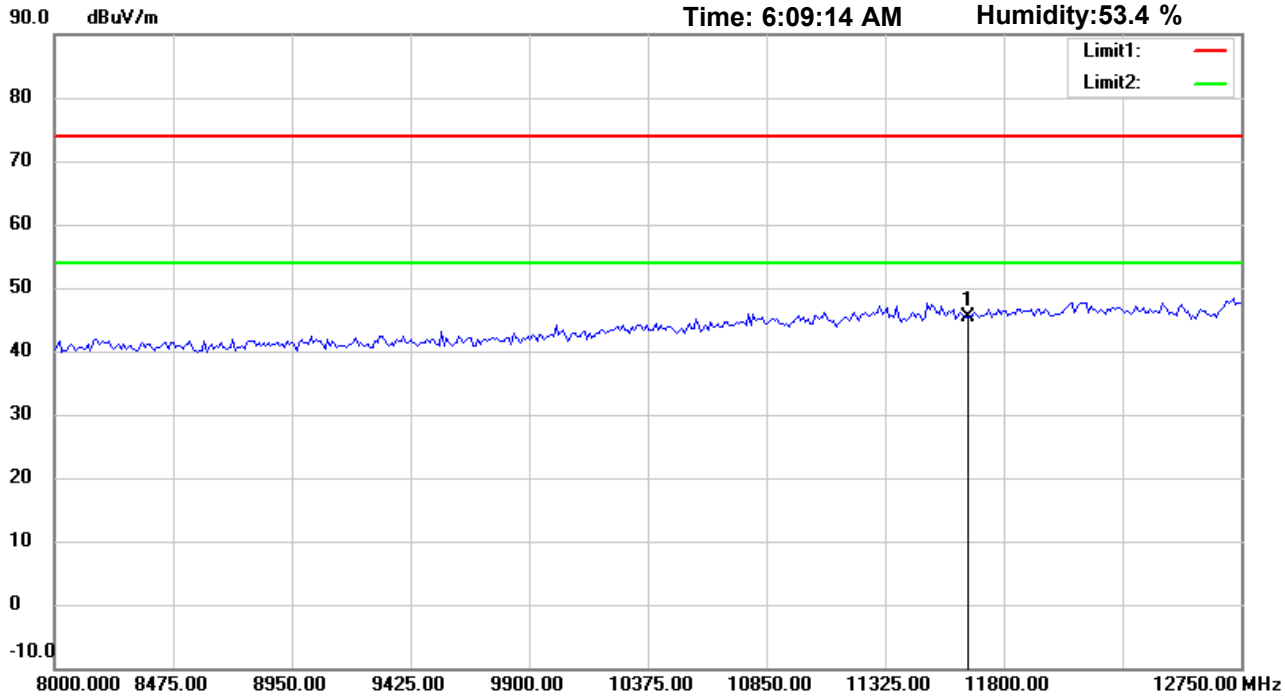
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 6:09:14 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	11650.000	34.38	peak	10.97	45.35	74.00	150	65	-28.65	

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

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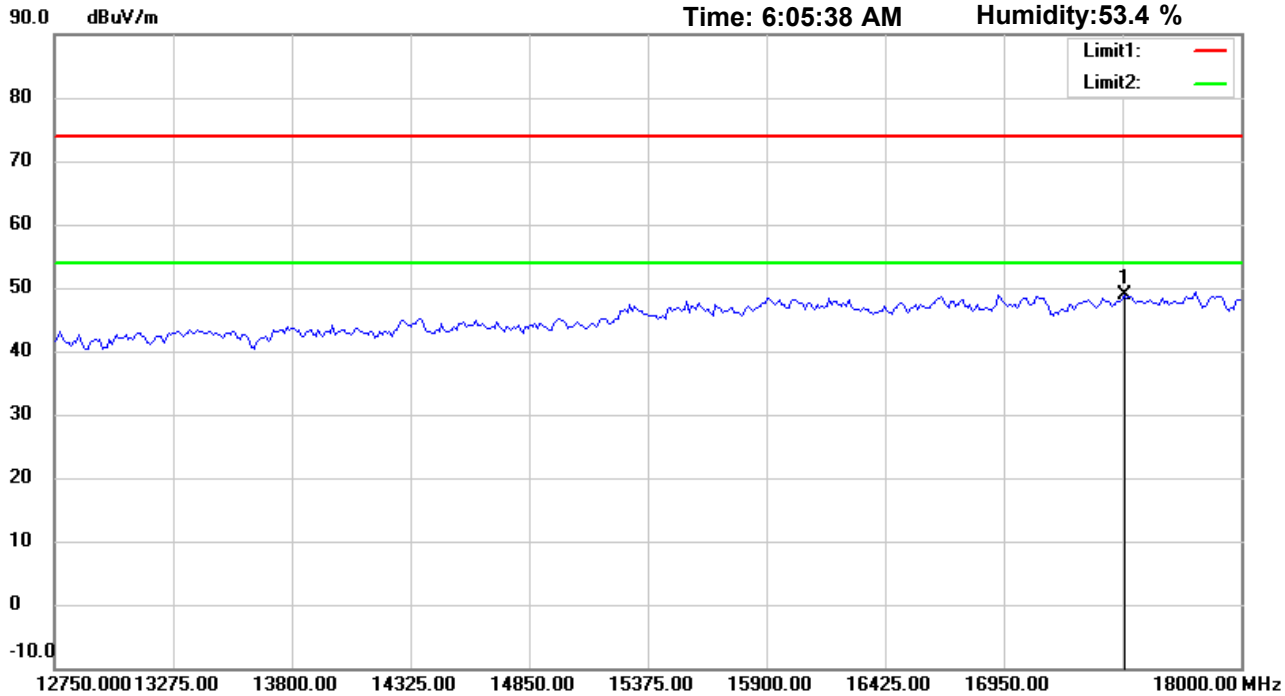
Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 6:05:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	17475.000	28.54	peak	20.33	48.87	74.00	150	25	-25.13	

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

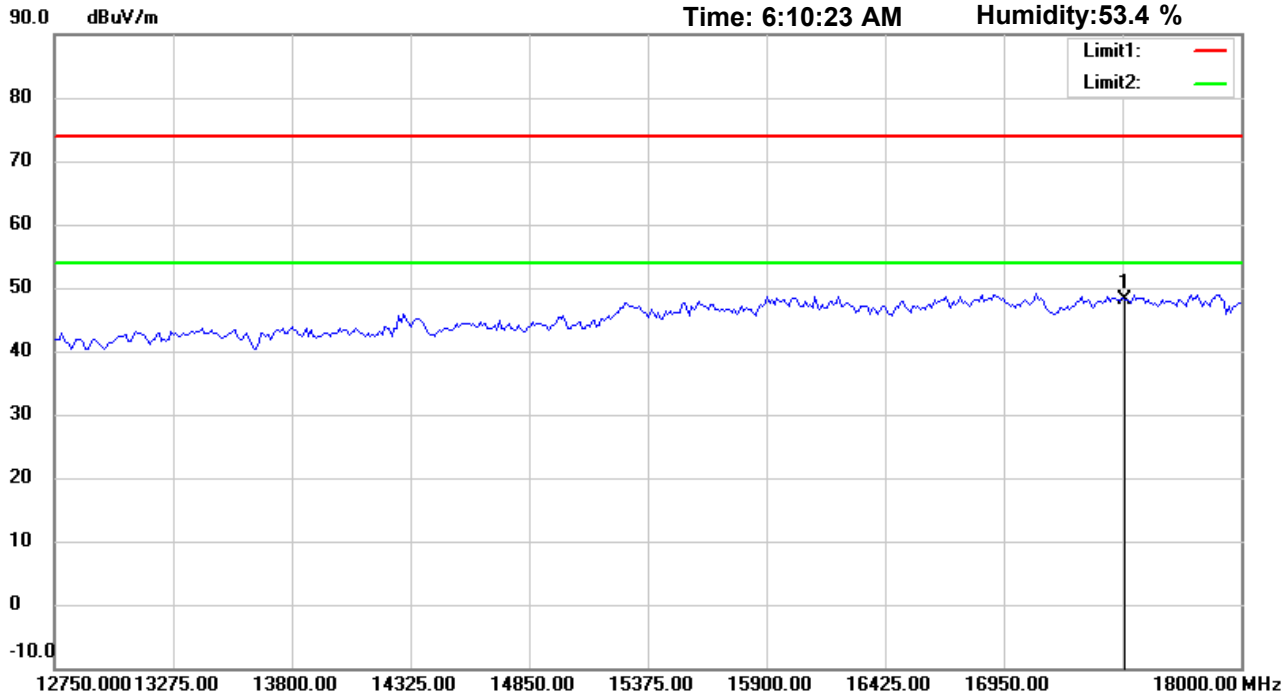
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 6:10:23 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	17475.000	27.82	peak	20.33	48.15	74.00	150	130	-25.85	

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

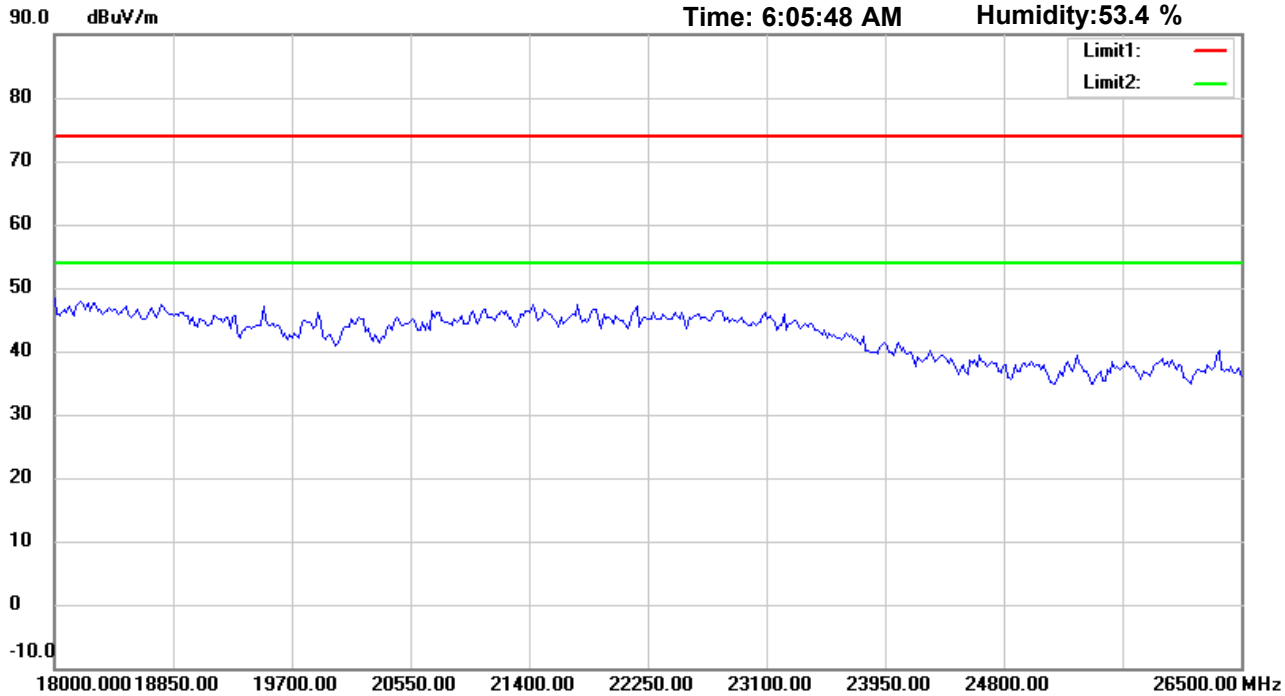
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 6:05:48 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

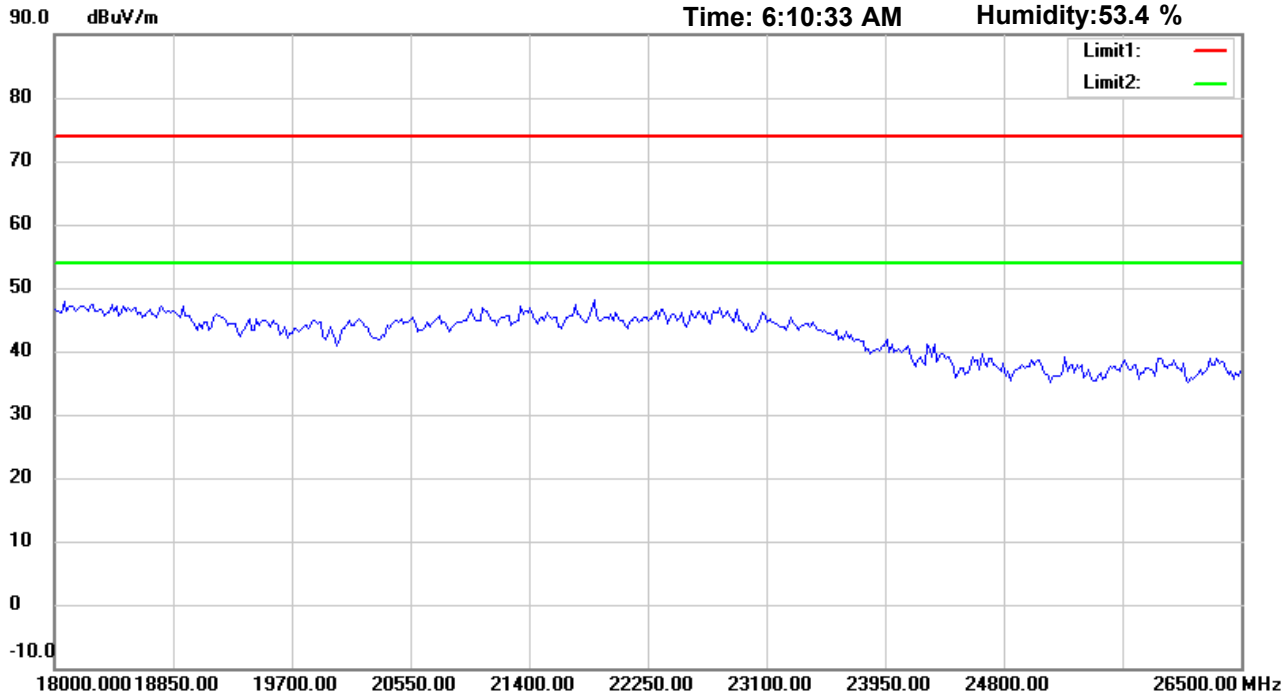
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 6:10:33 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

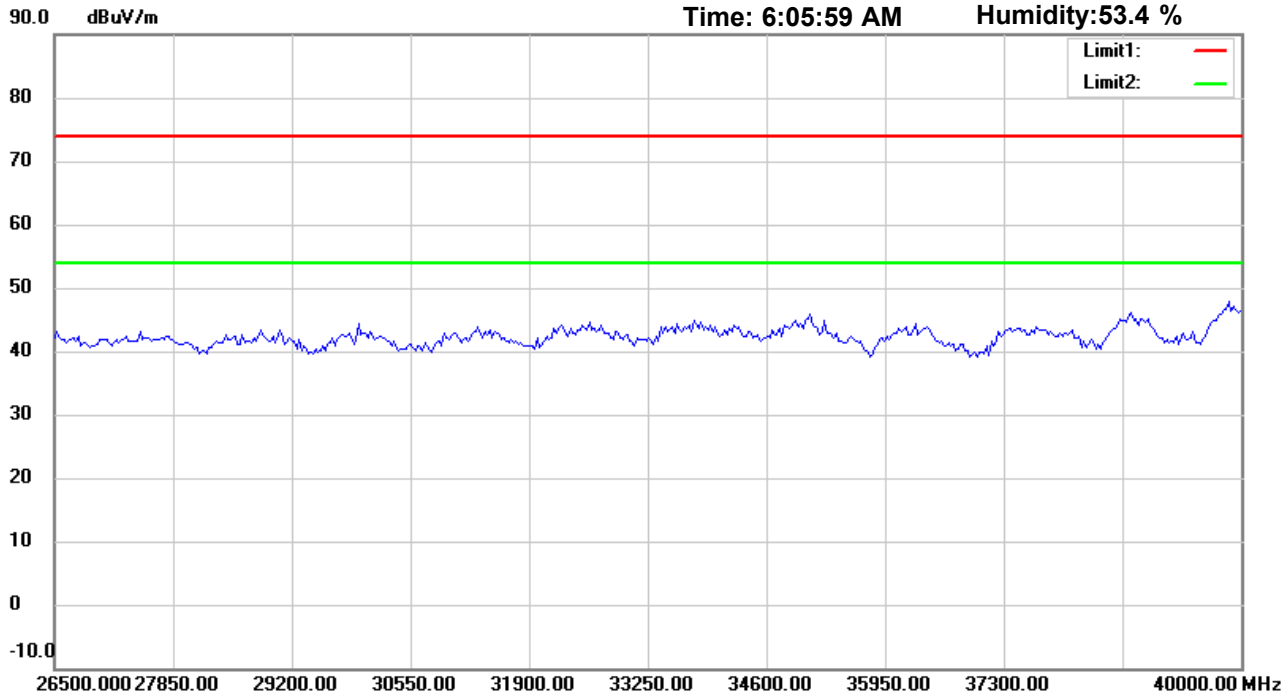
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 6:05:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

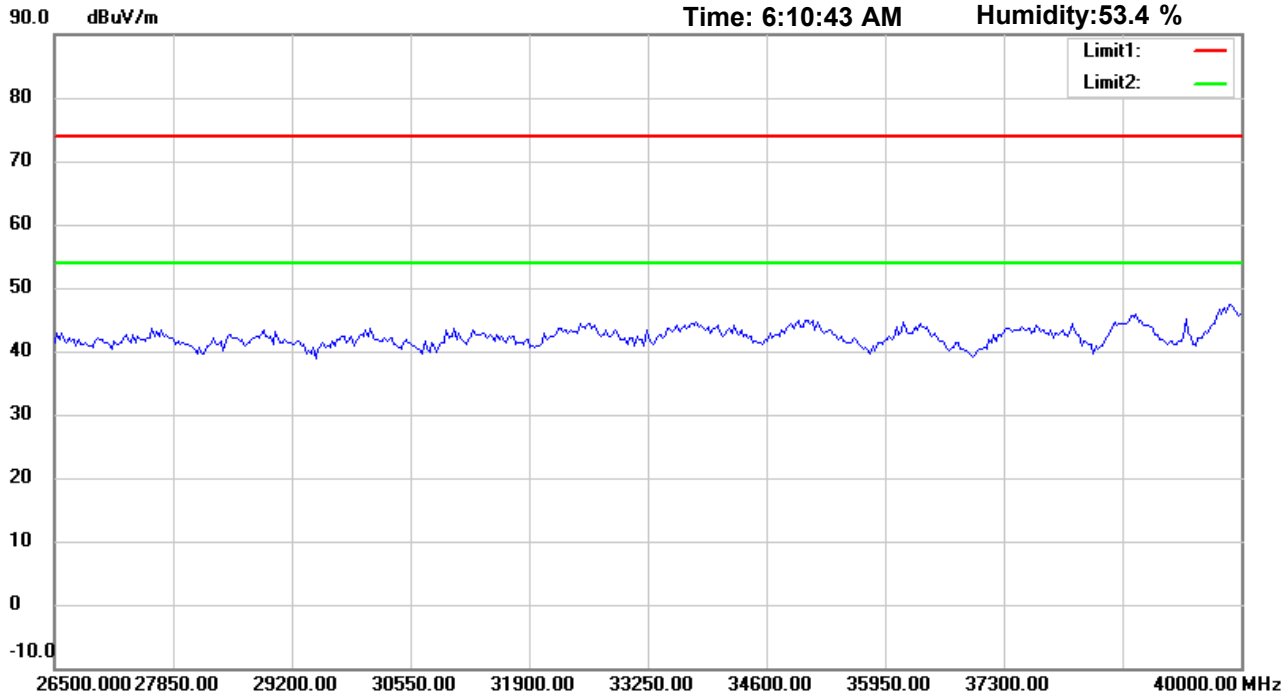
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 6:10:43 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

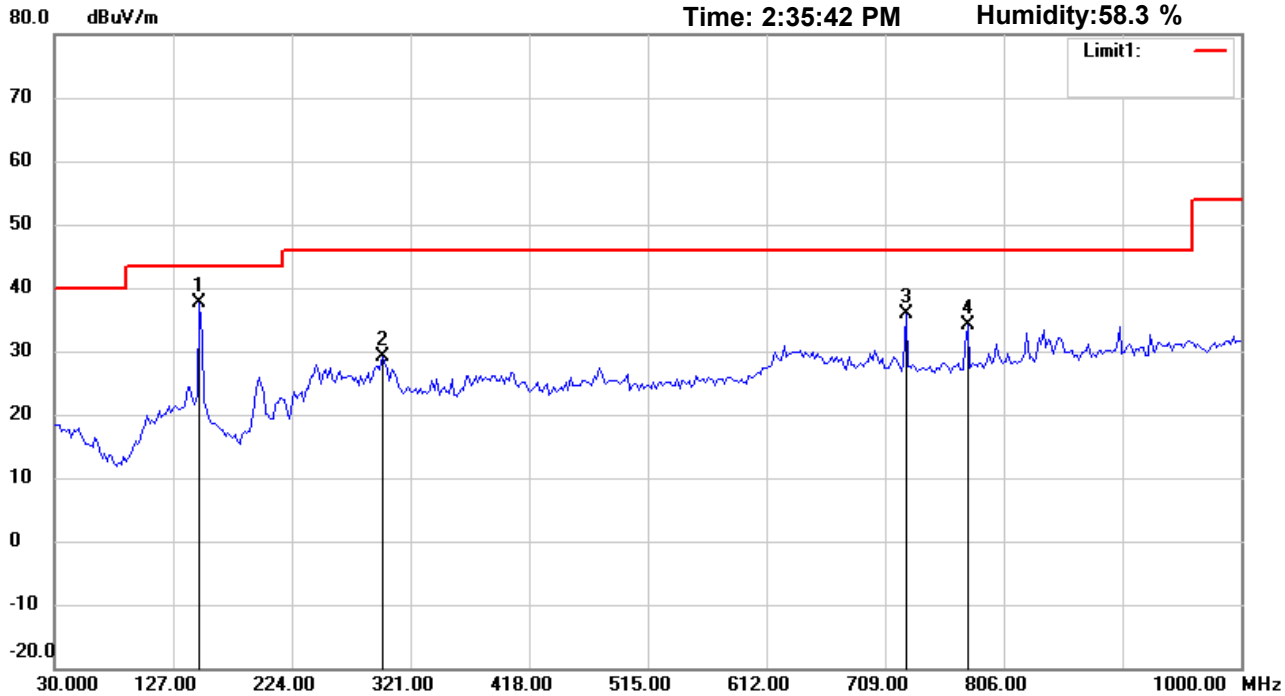
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1_ant2_TX 802 Data :#1 Date: 12/29/2019 Time: 2:35:42 PM

Temperature:21.8 ℃
Humidity:58.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	148.5772	44.96	peak	-7.22	37.74	43.50	100	49	-5.76	
	298.2565	35.22	peak	-6.17	29.05	46.00	100	352	-16.95	
	725.9118	35.98	peak	-0.12	35.86	46.00	100	235	-10.14	
	776.4528	33.42	peak	0.72	34.14	46.00	100	160	-11.86	

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

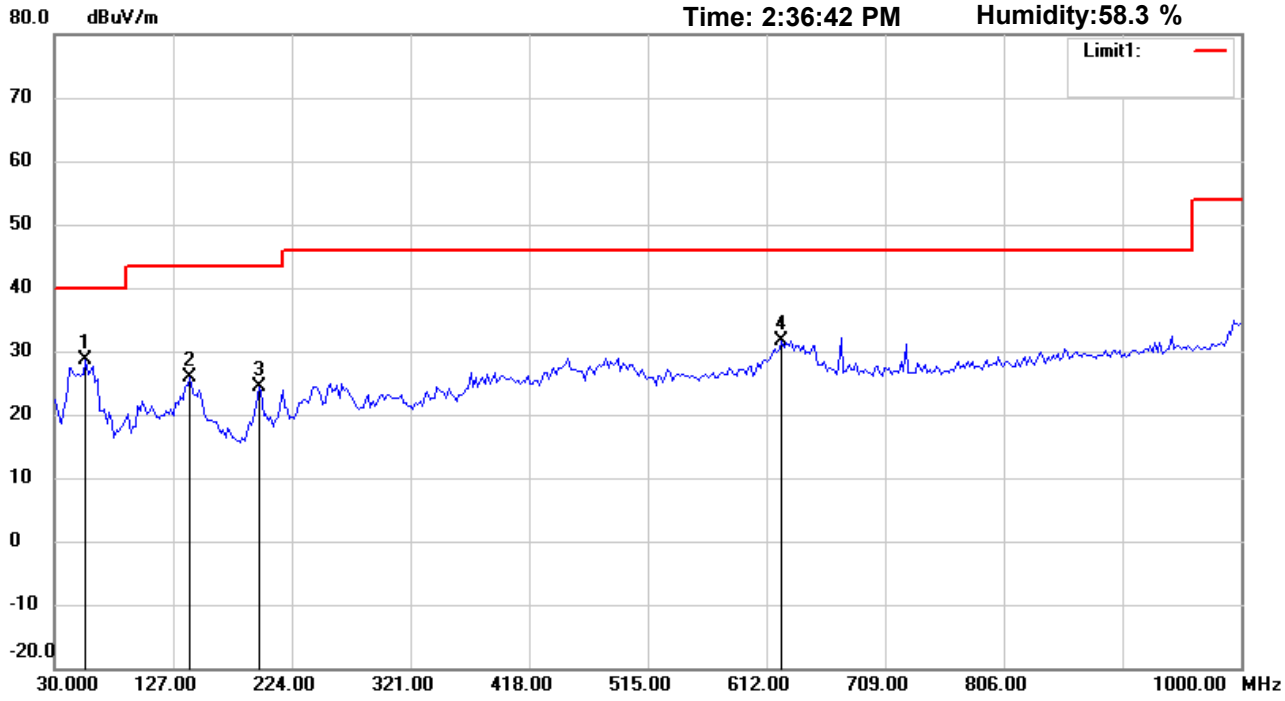
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1_ant2_TX 802 Data :#2 Date: 12/29/2019 Time: 2:36:42 PM

Temperature:21.8 ℃
Humidity:58.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	55.2705	39.50	peak	-10.98	28.52	40.00	100	175	-11.48	
	140.8015	32.54	peak	-6.57	25.97	43.50	100	260	-17.53	
	197.1741	35.48	peak	-11.03	24.45	43.50	100	270	-19.05	
	624.8297	33.22	peak	-1.51	31.71	46.00	100	55	-14.29	

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

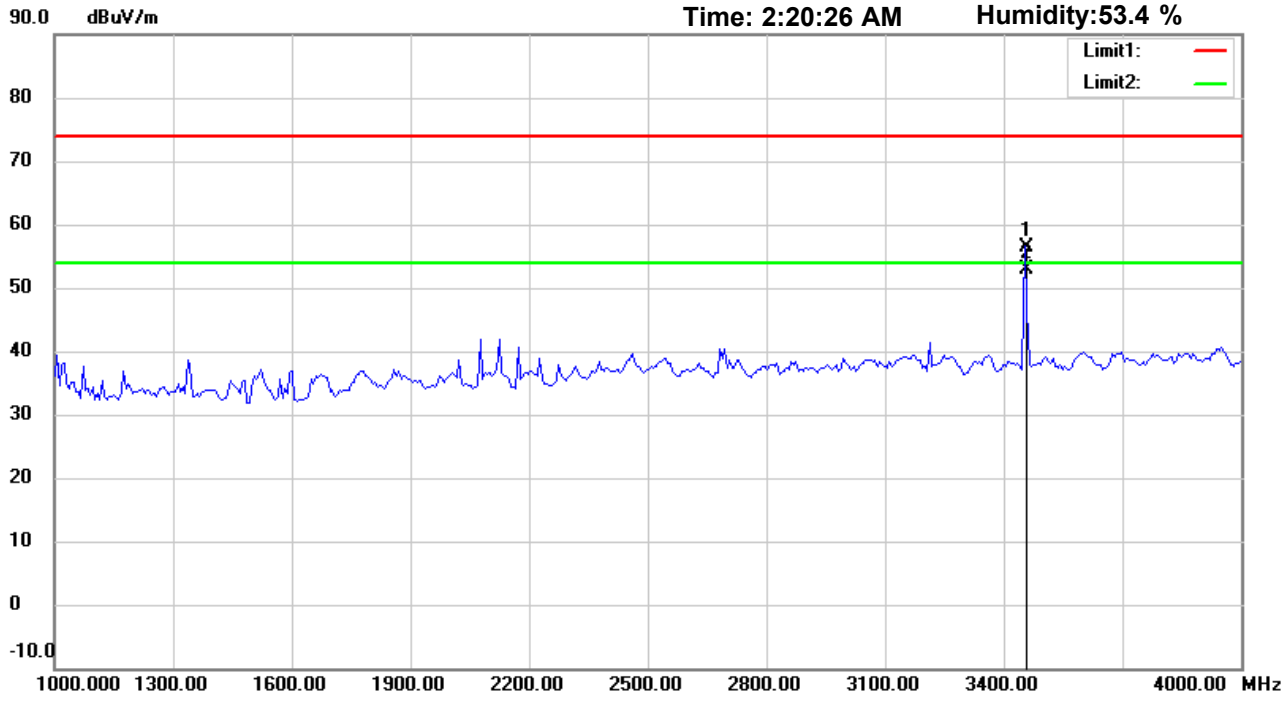
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 2:20:26 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
	3453.381	60.10	peak	-3.75	56.35	74.00	150	270	-17.65	
*	3453.381	56.72	AVG	-3.75	52.97	54.00	150	270	-1.03	

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

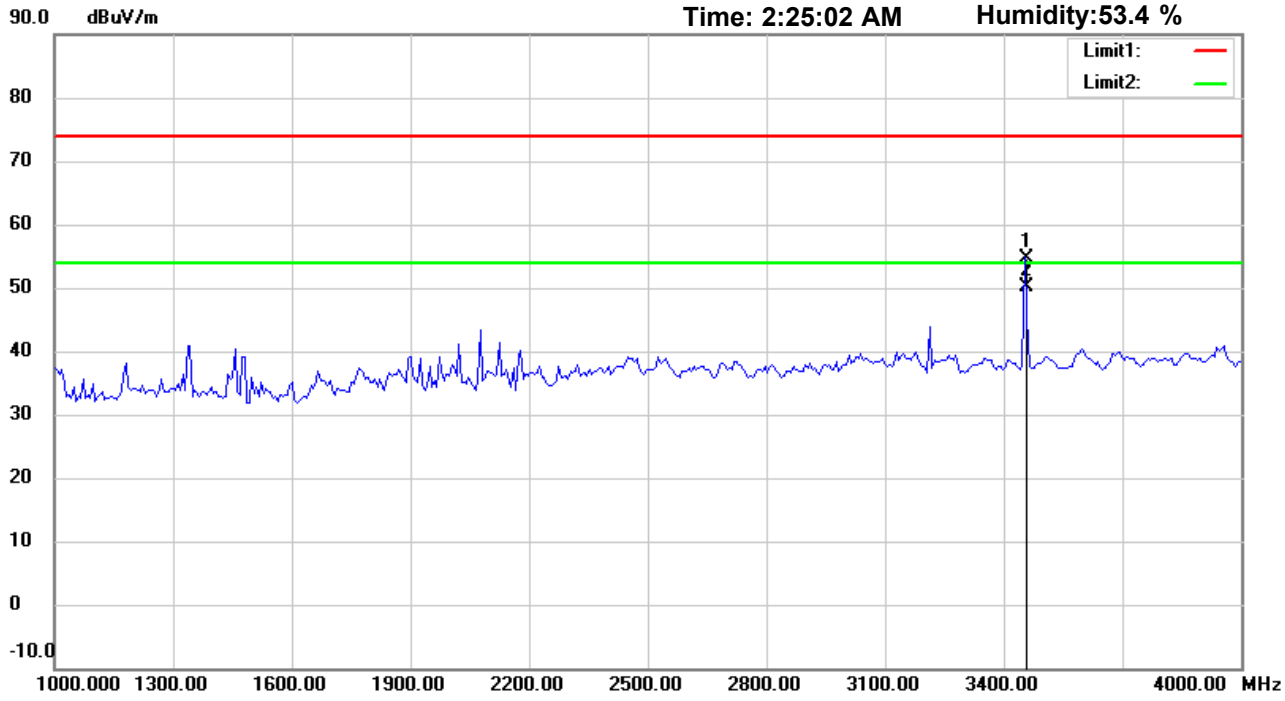
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 2:25:02 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
	3453.372	58.41	peak	-3.75	54.66	74.00	150	120	-19.34	
*	3453.372	53.98	AVG	-3.75	50.23	54.00	150	120	-3.77	

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

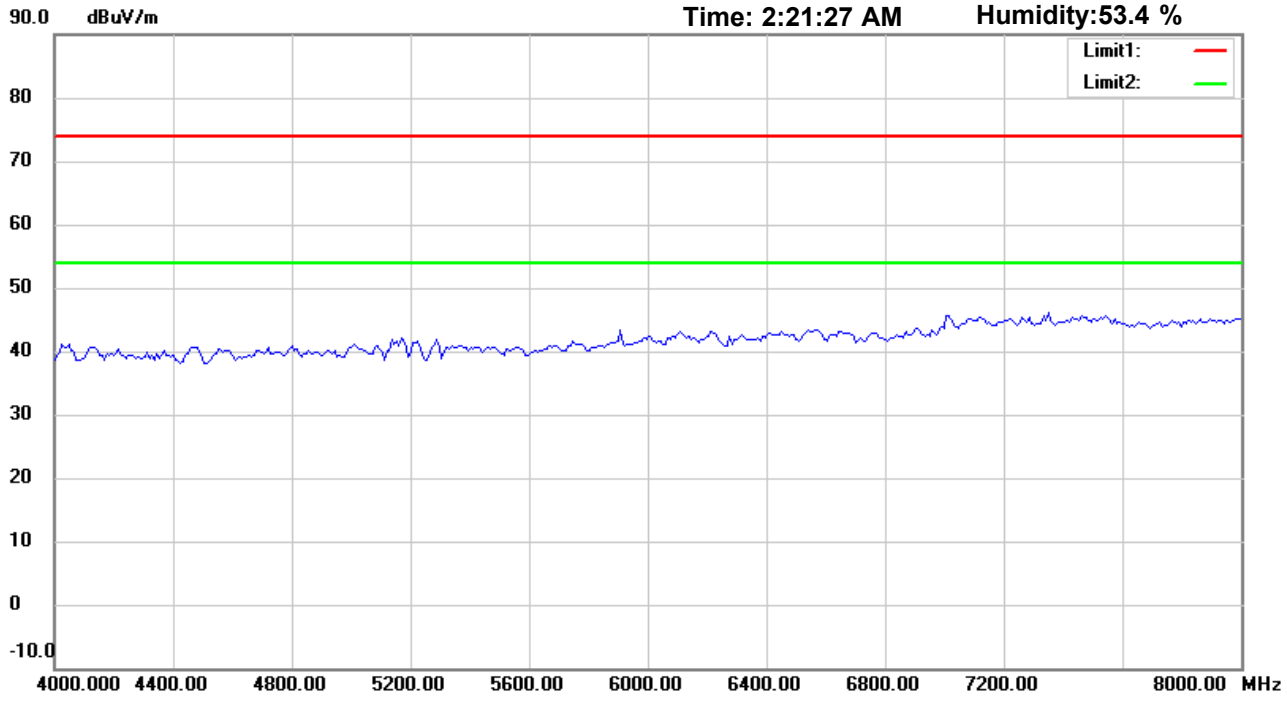
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 2:21:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

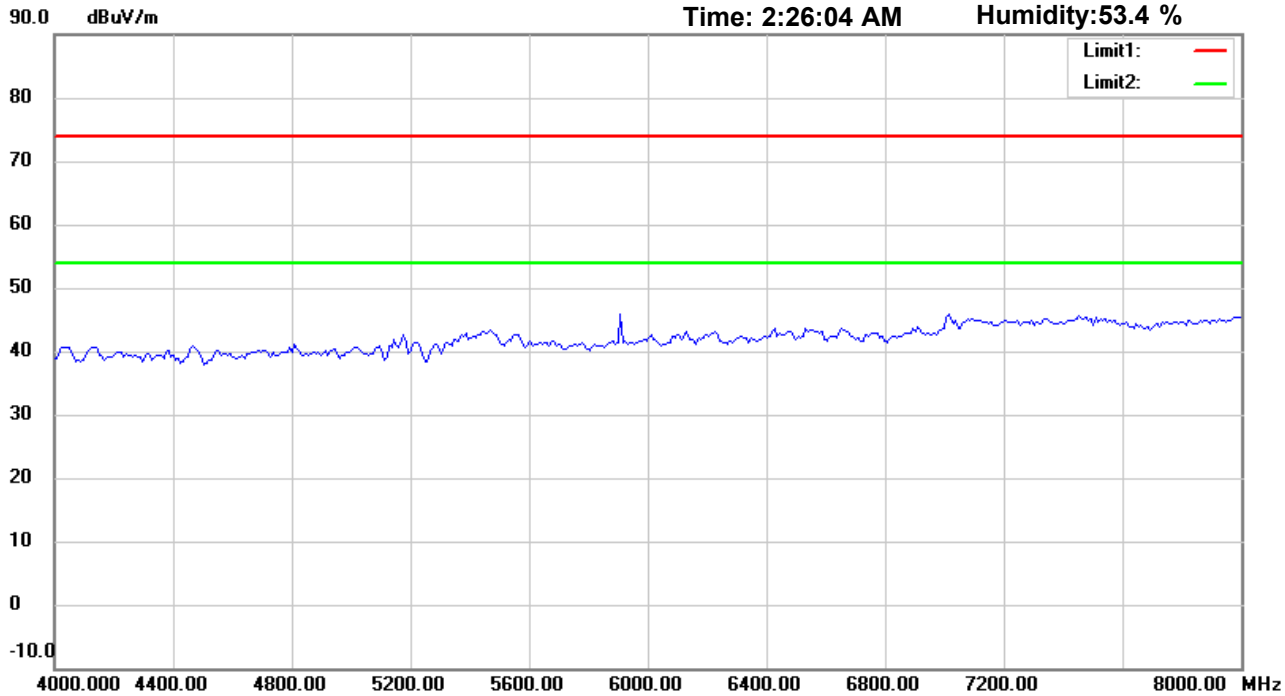
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 2:26:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

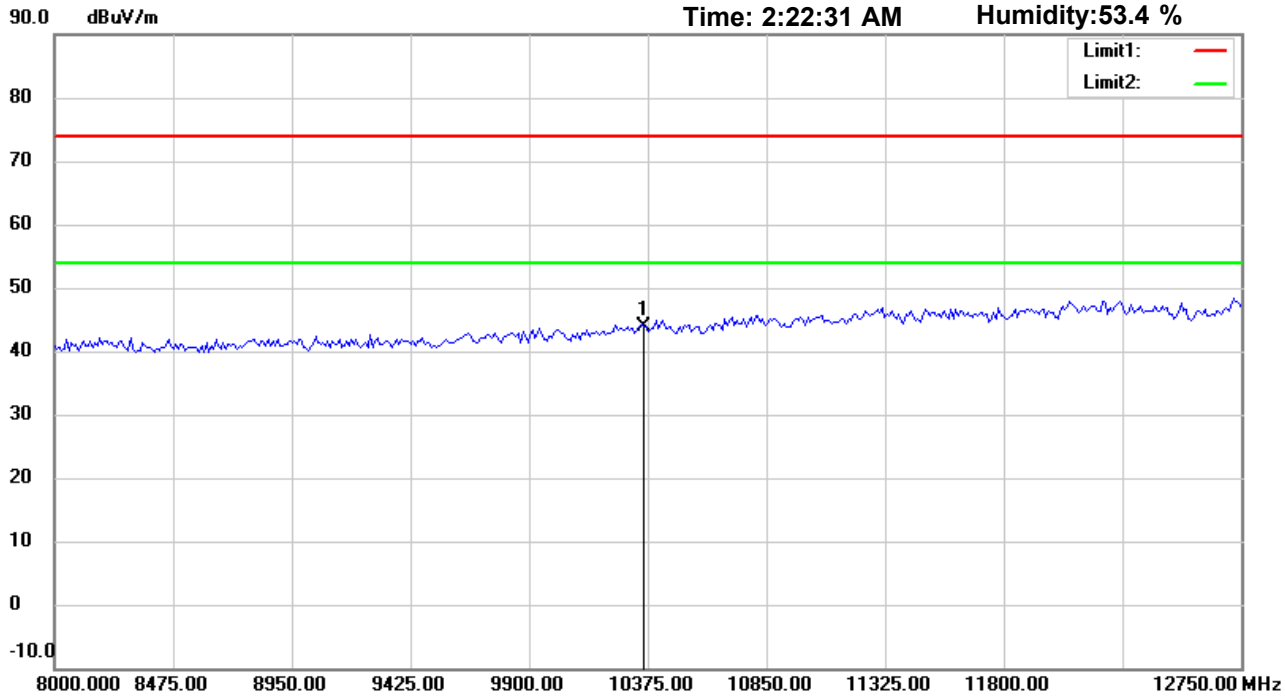
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 2:22:31 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	10360.000	35.69	peak	8.23	43.92	74.00	150	85	-30.08	

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

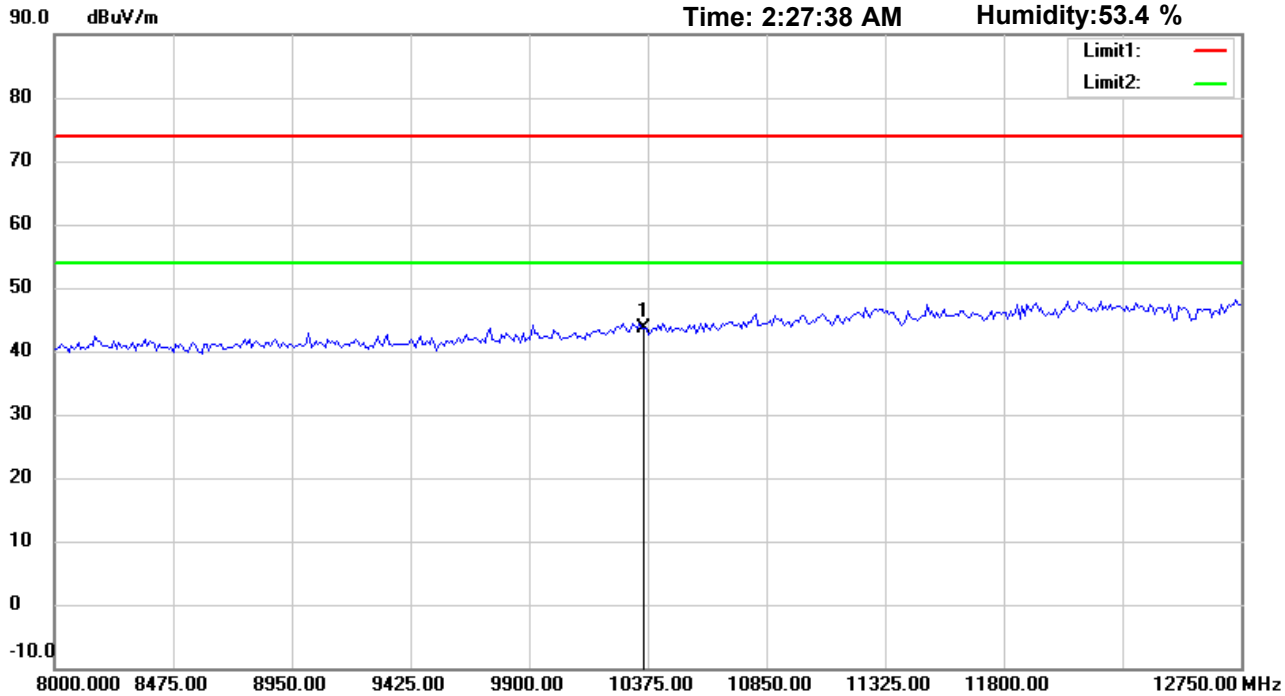
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 2:27:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	10360.000	35.48	peak	8.23	43.71	74.00	150	10	-30.29	

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

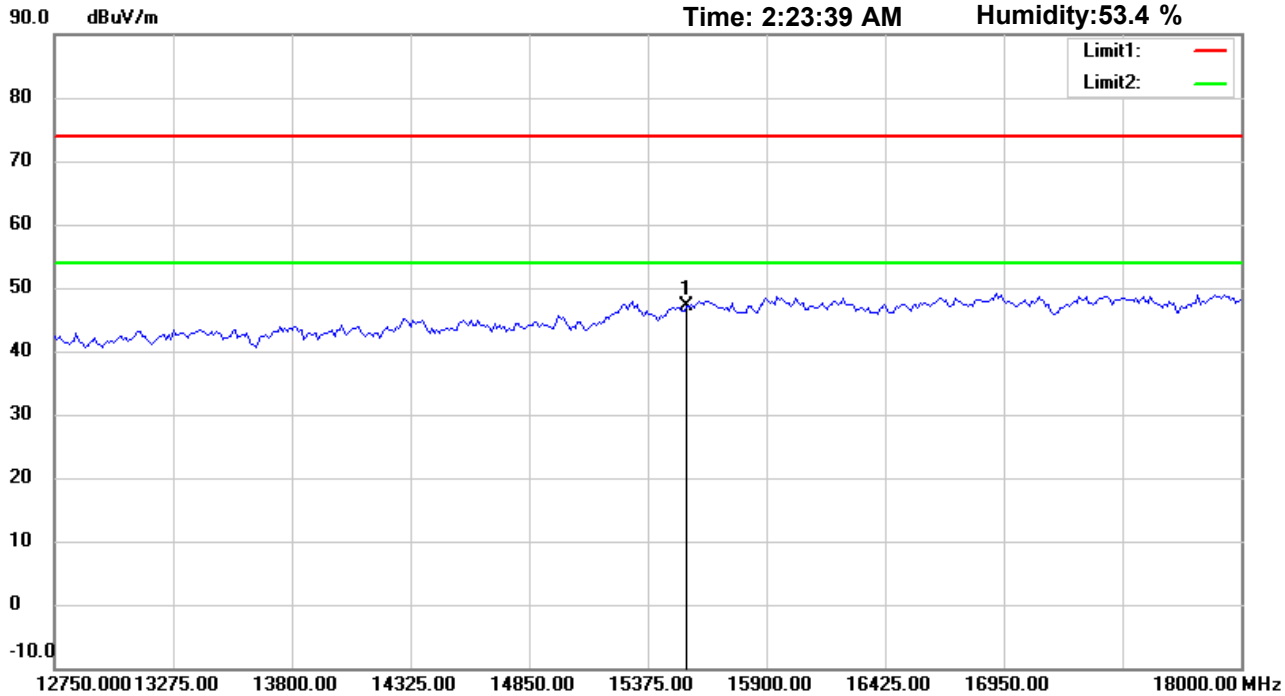
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 2:23:39 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15540.000	28.15	peak	18.95	47.10	74.00	150	275	-26.90	

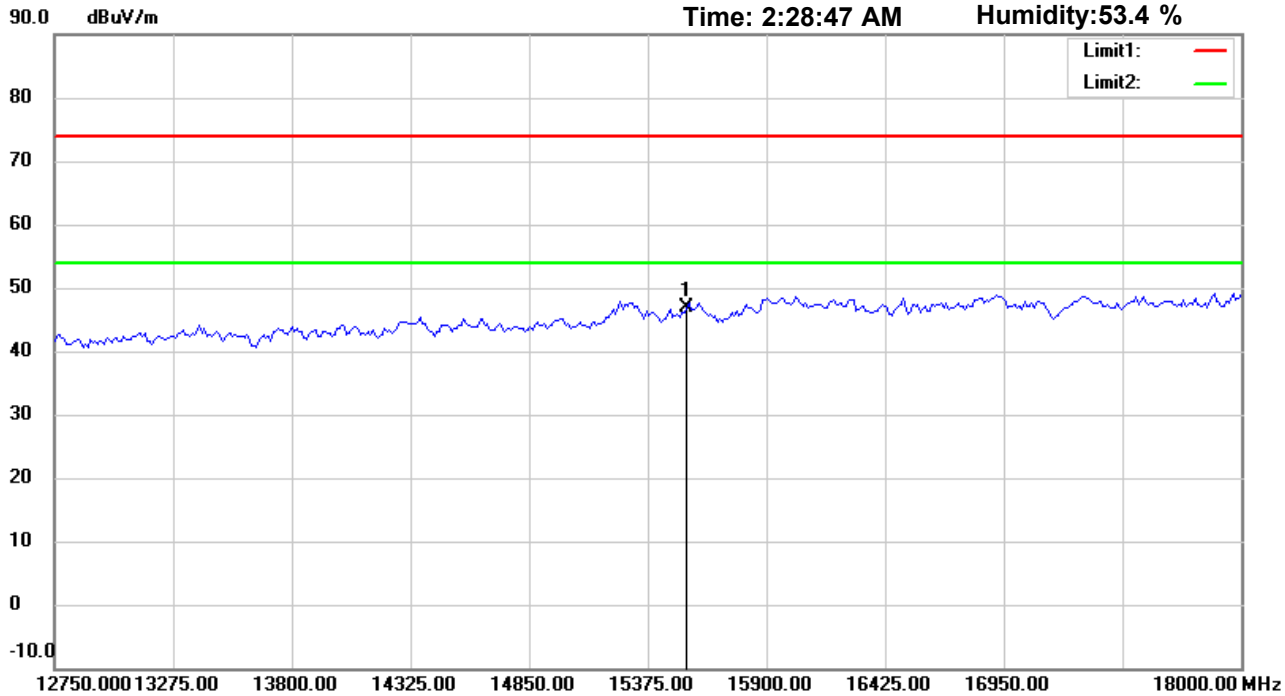
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 2:28:47 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

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
*	15540.000	27.87	peak	18.95	46.82	74.00	150	85	-27.18	

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

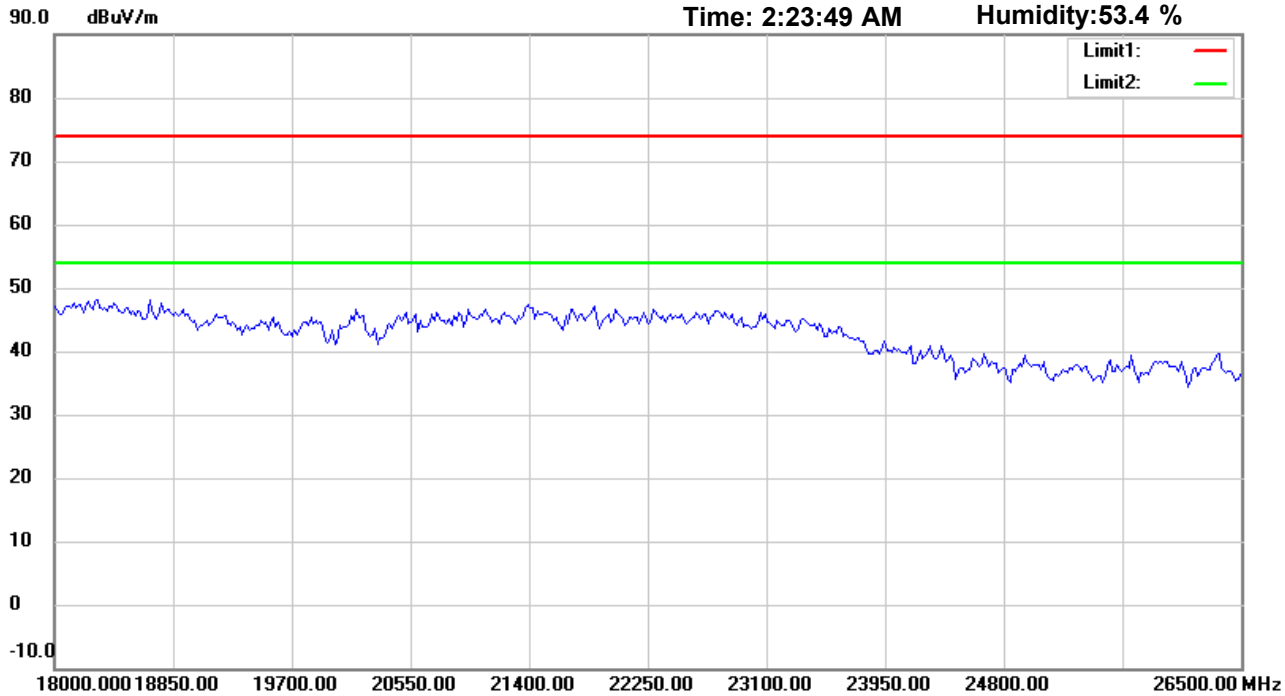
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 2:23:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

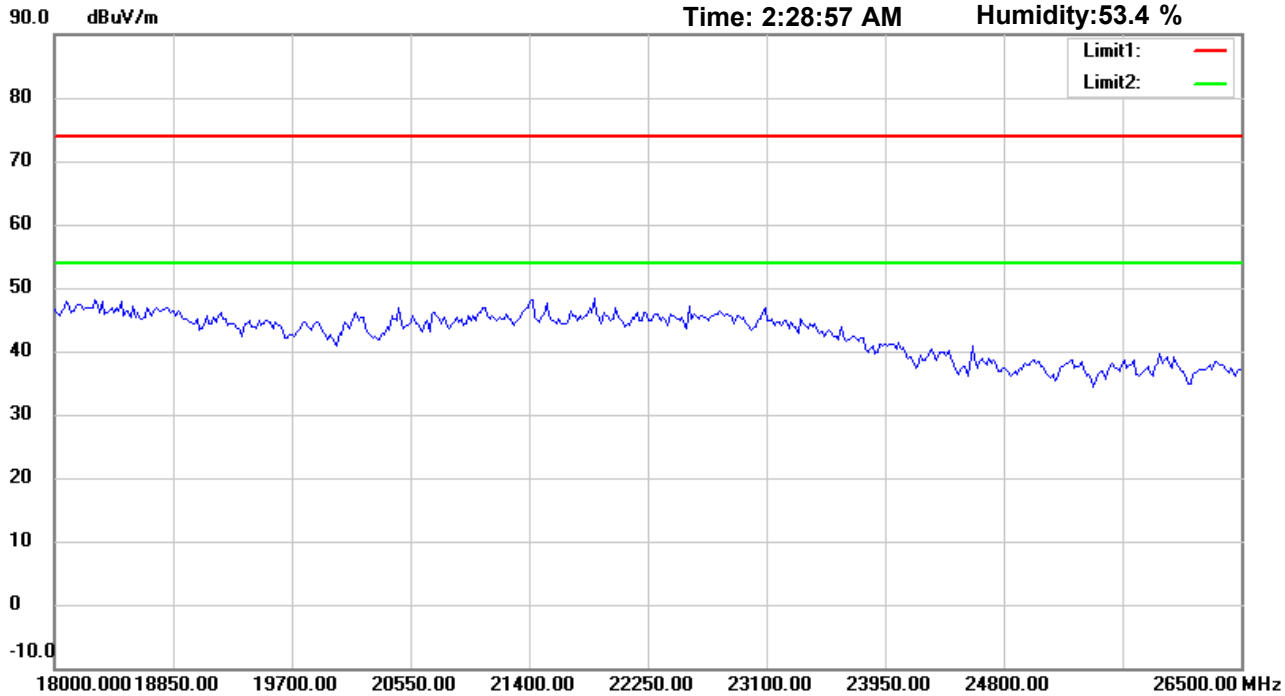
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 2:28:57 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

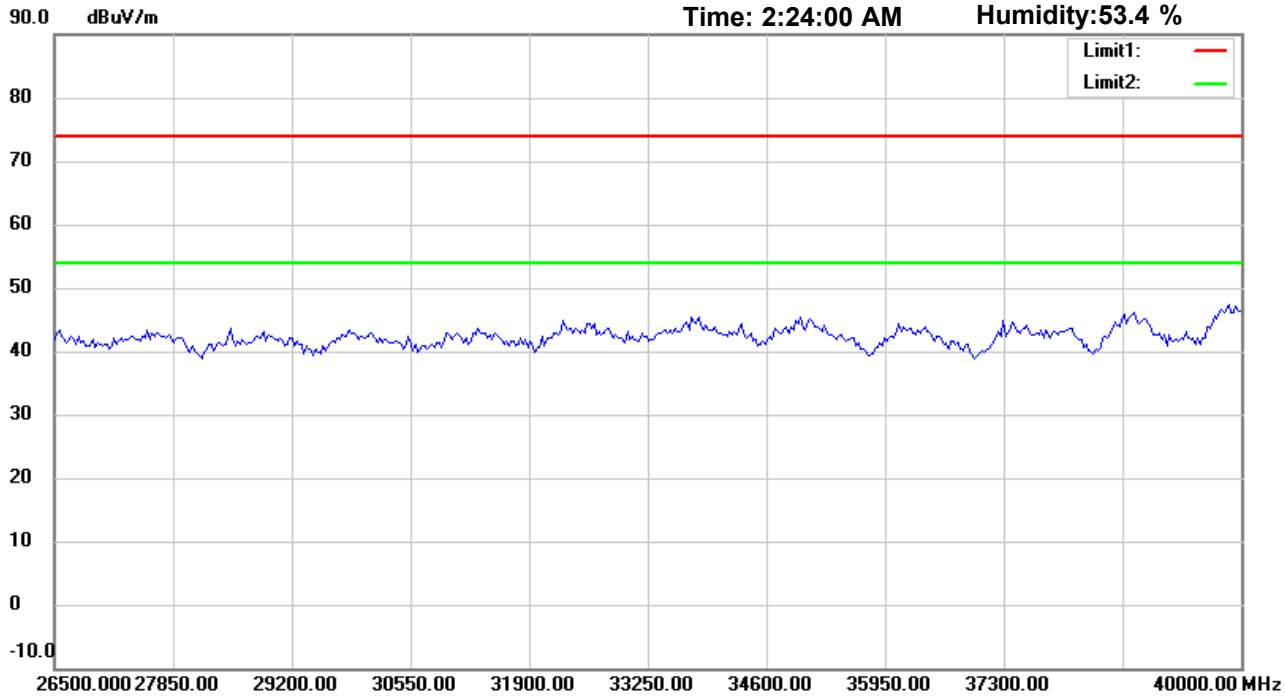
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 2:24:00 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

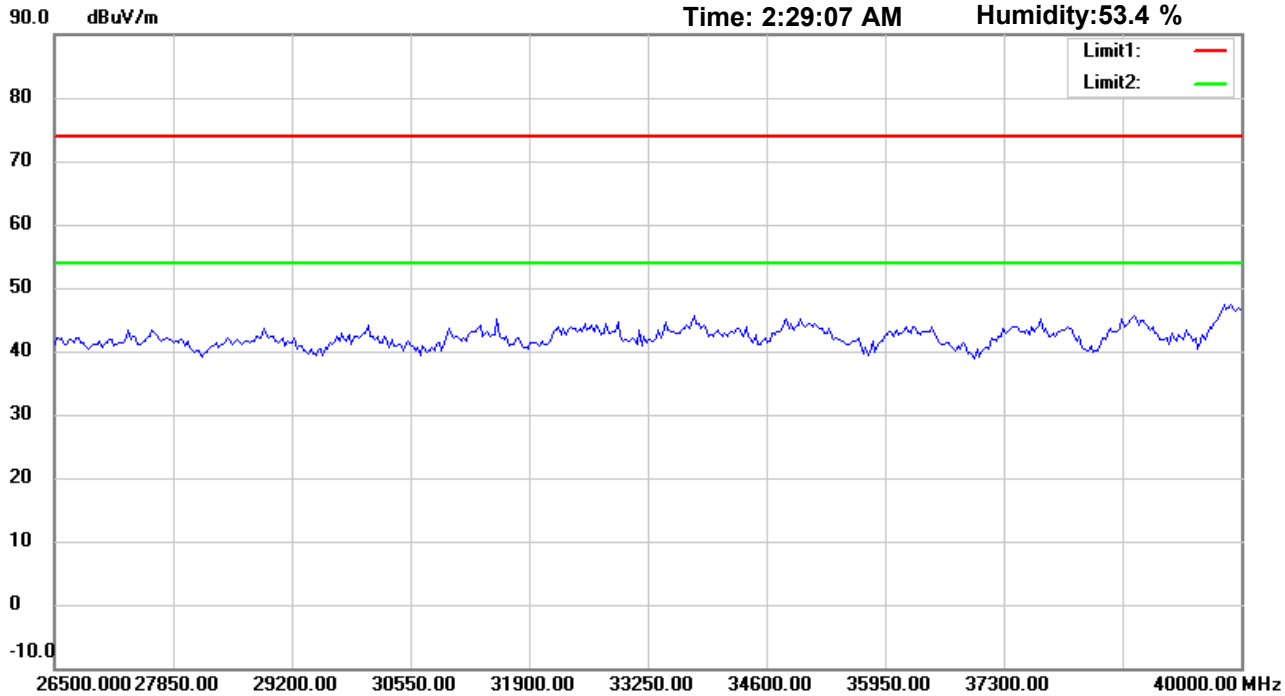
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 2:29:07 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

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

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

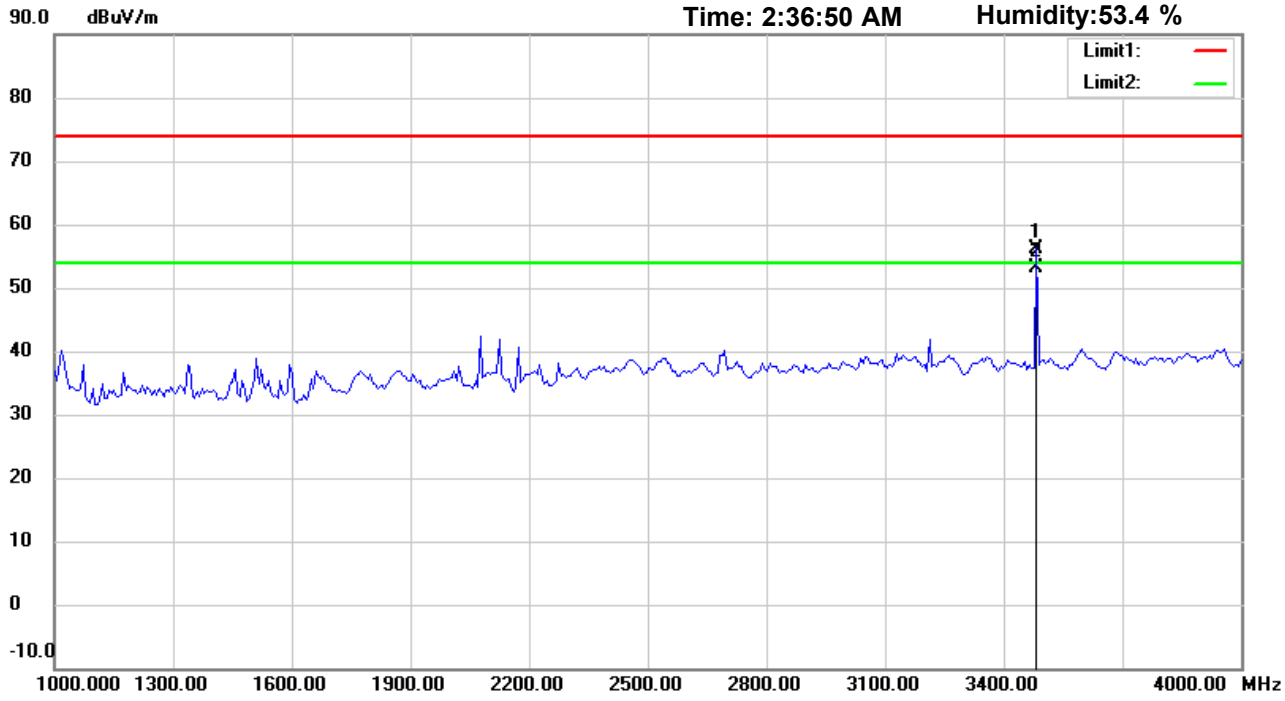
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 2:36:50 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3480.220	59.86	peak	-3.73	56.13	74.00	150	65	-17.87	
*	3480.220	56.92	AVG	-3.73	53.19	54.00	150	65	-0.81	

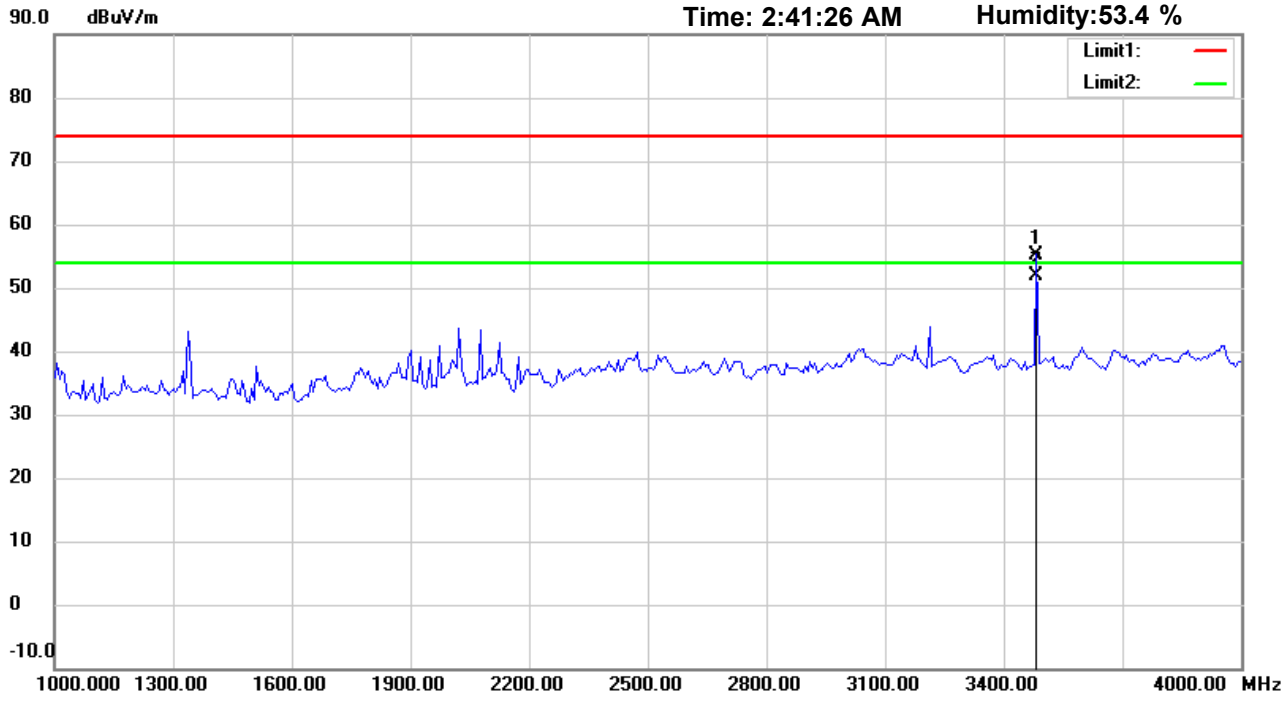
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#7 | Date: 12/28/2019 | Time: 2:41:26 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
	3480.220	58.76	peak	-3.73	55.03	74.00	150	265	-18.97	
*	3480.220	55.49	AVG	-3.73	51.76	54.00	150	265	-2.24	

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

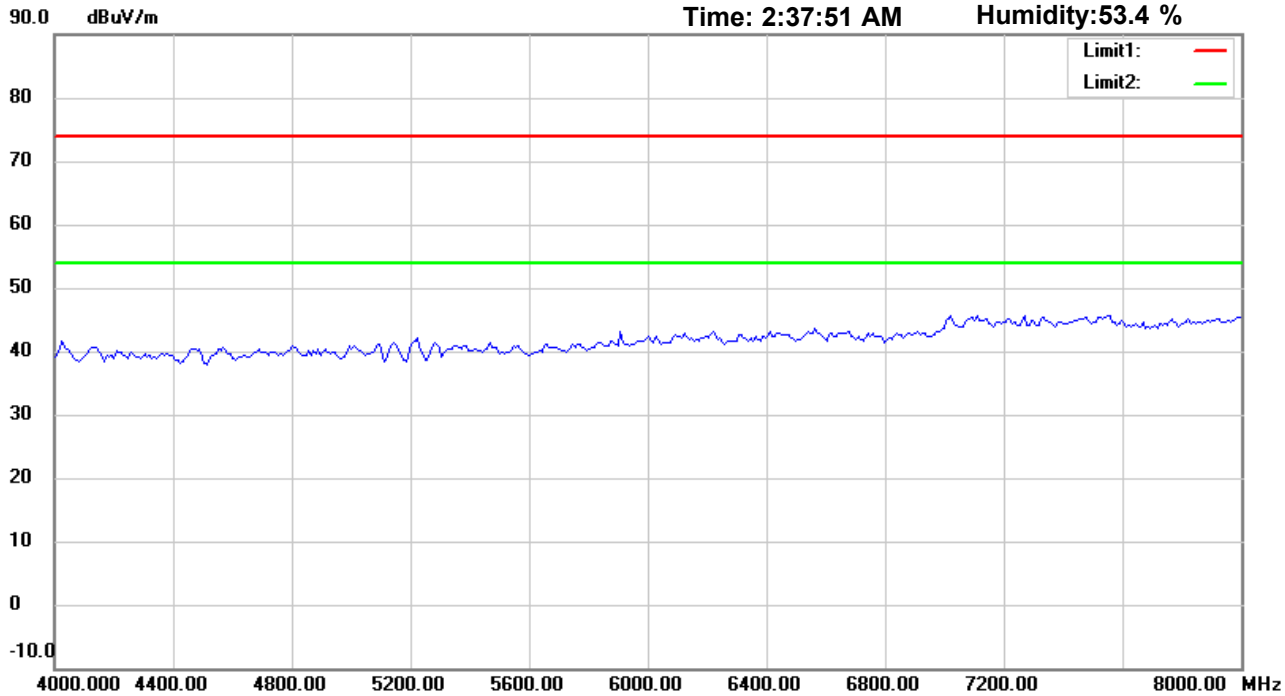
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 2:37:51 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

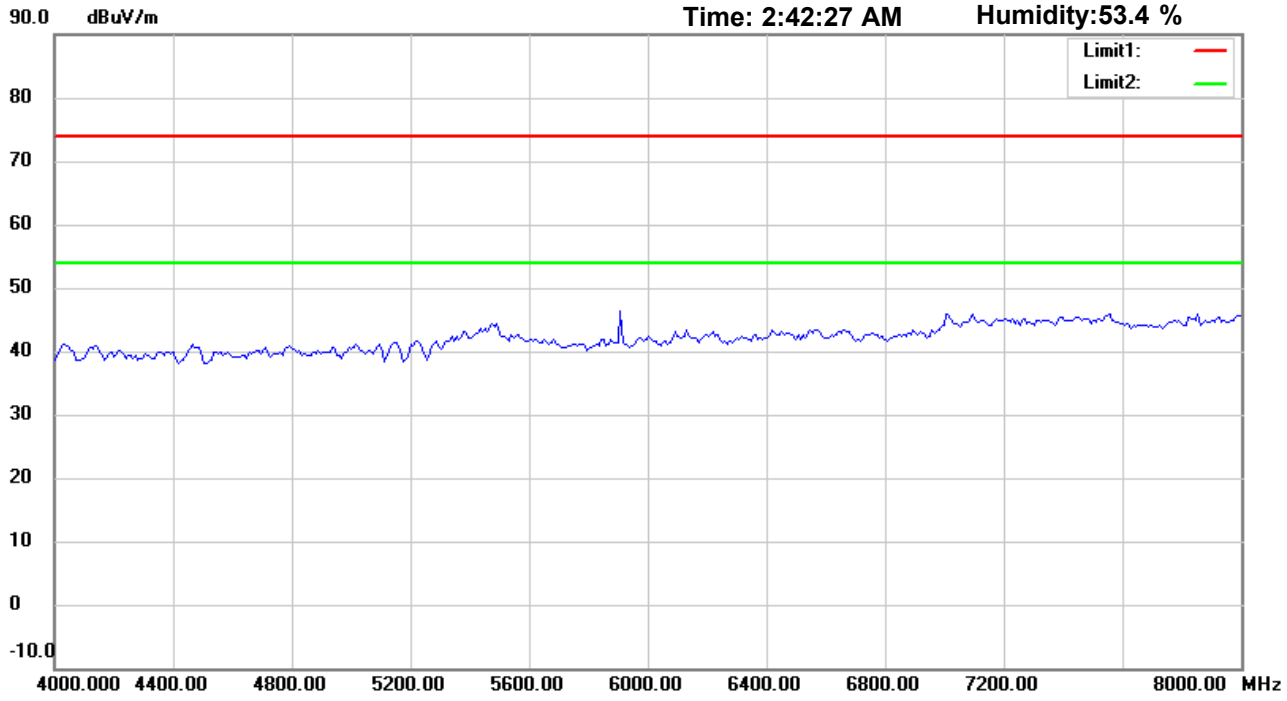
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 2:42:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

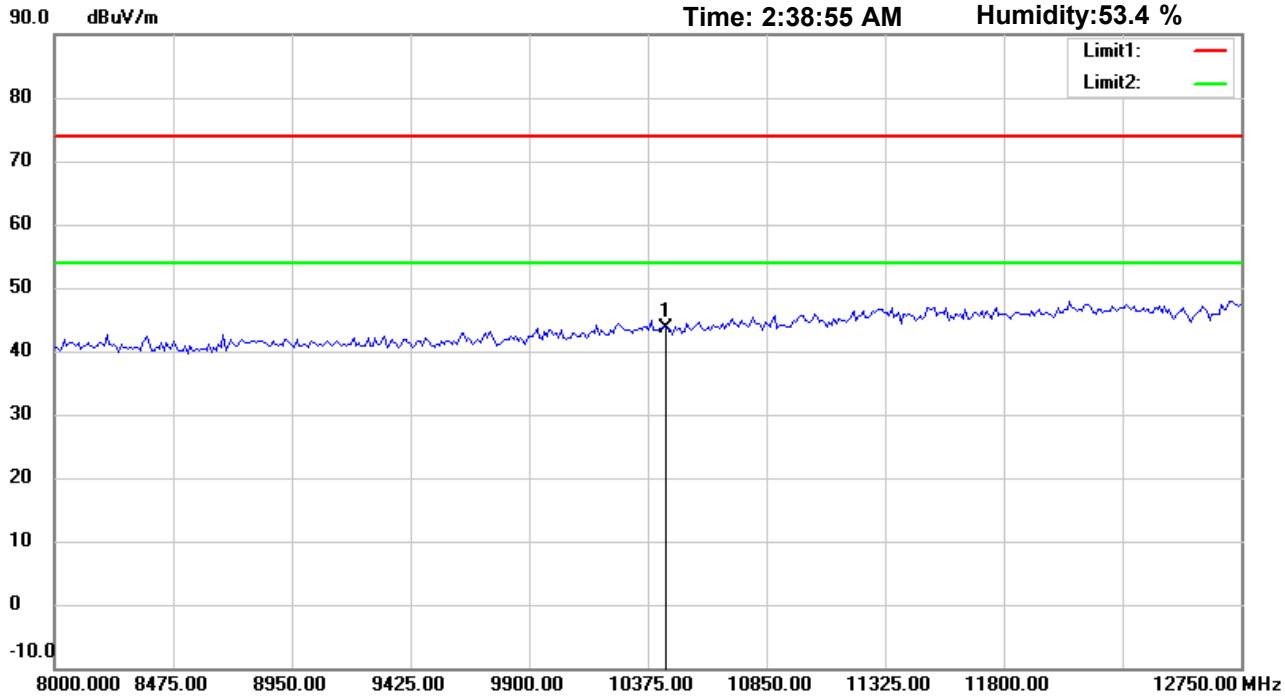
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 2:38:55 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	10440.000	35.37	peak	8.33	43.70	74.00	150	95	-30.30	

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

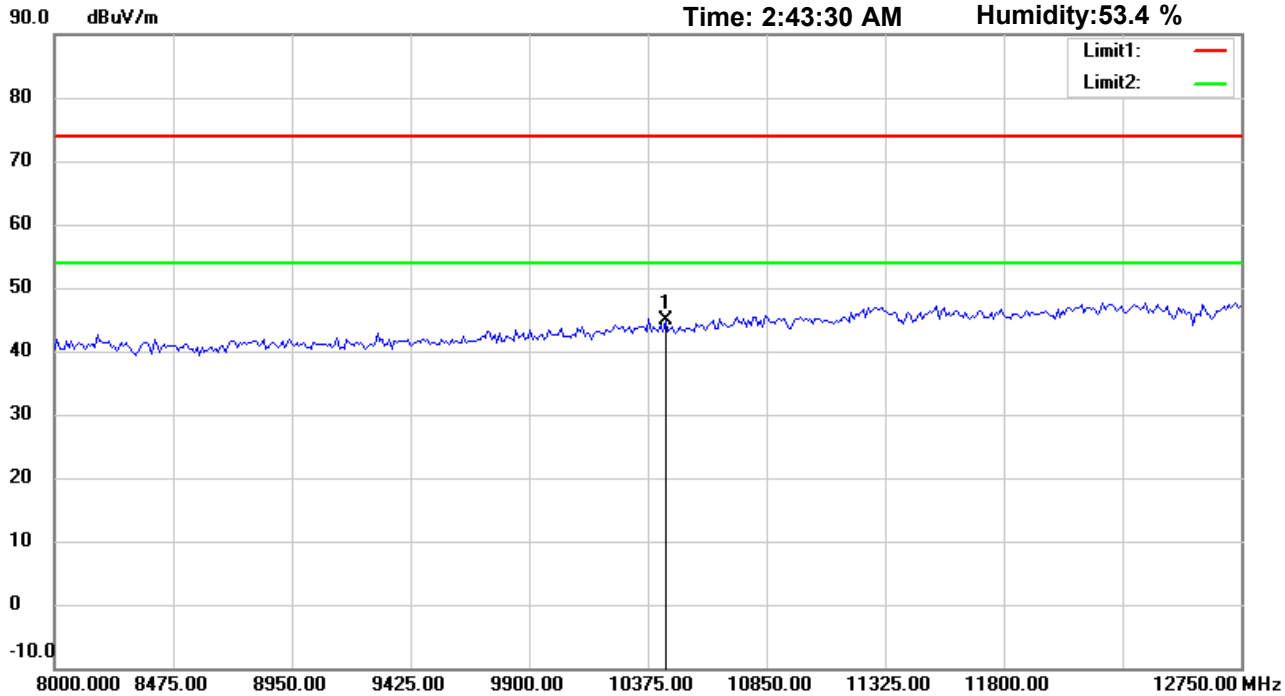
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 2:43:30 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	10440.000	36.58	peak	8.33	44.91	74.00	150	360	-29.09	

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

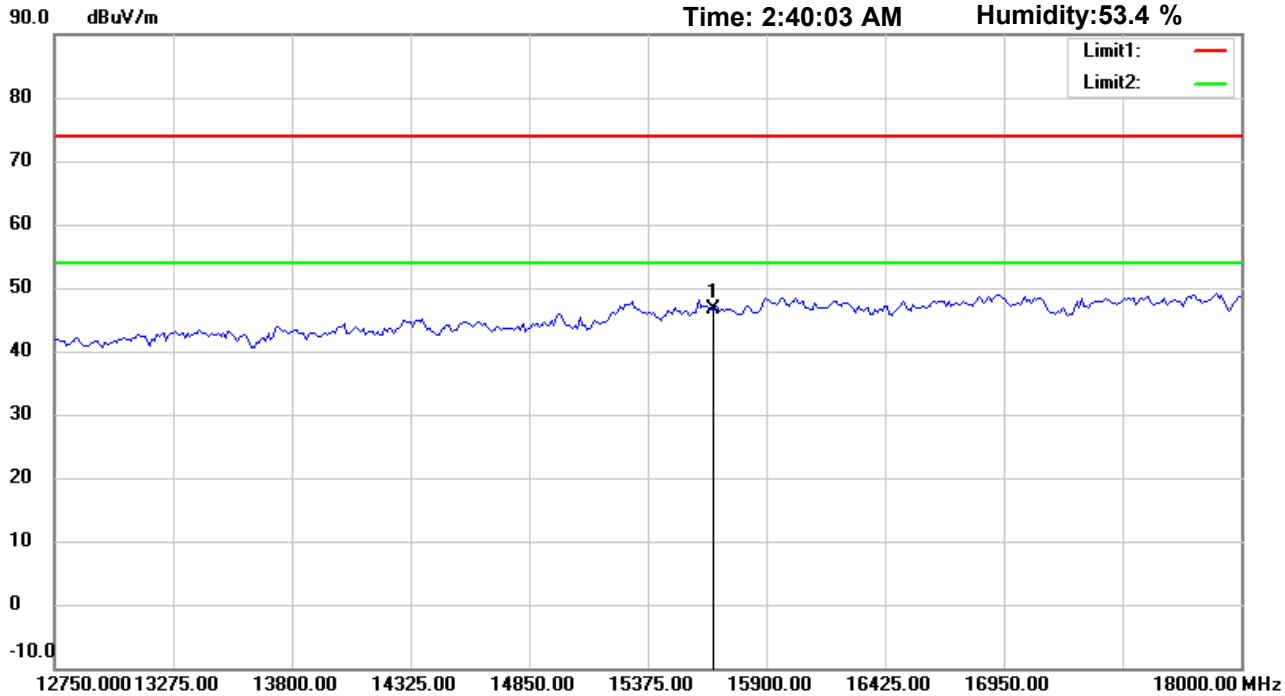
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 2:40:03 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

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
*	15660.000	28.21	peak	18.33	46.54	74.00	150	215	-27.46	

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

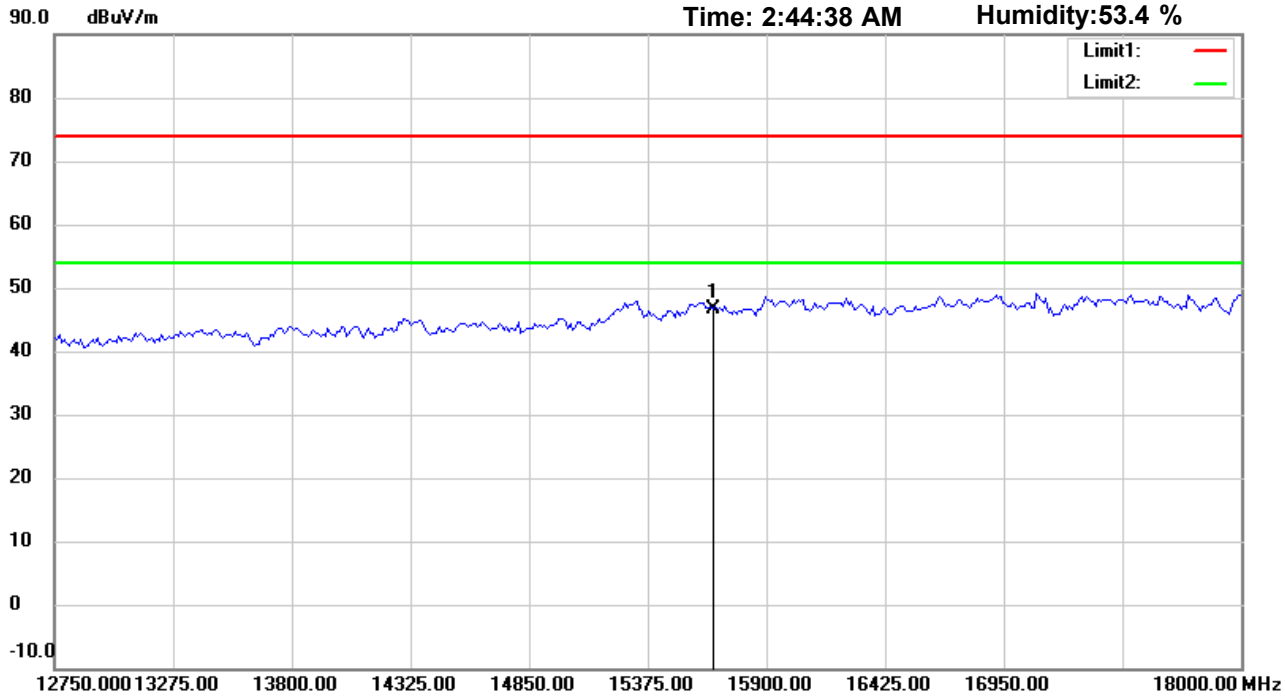
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 2:44:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15660.000	28.18	peak	18.33	46.51	74.00	150	25	-27.49	

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

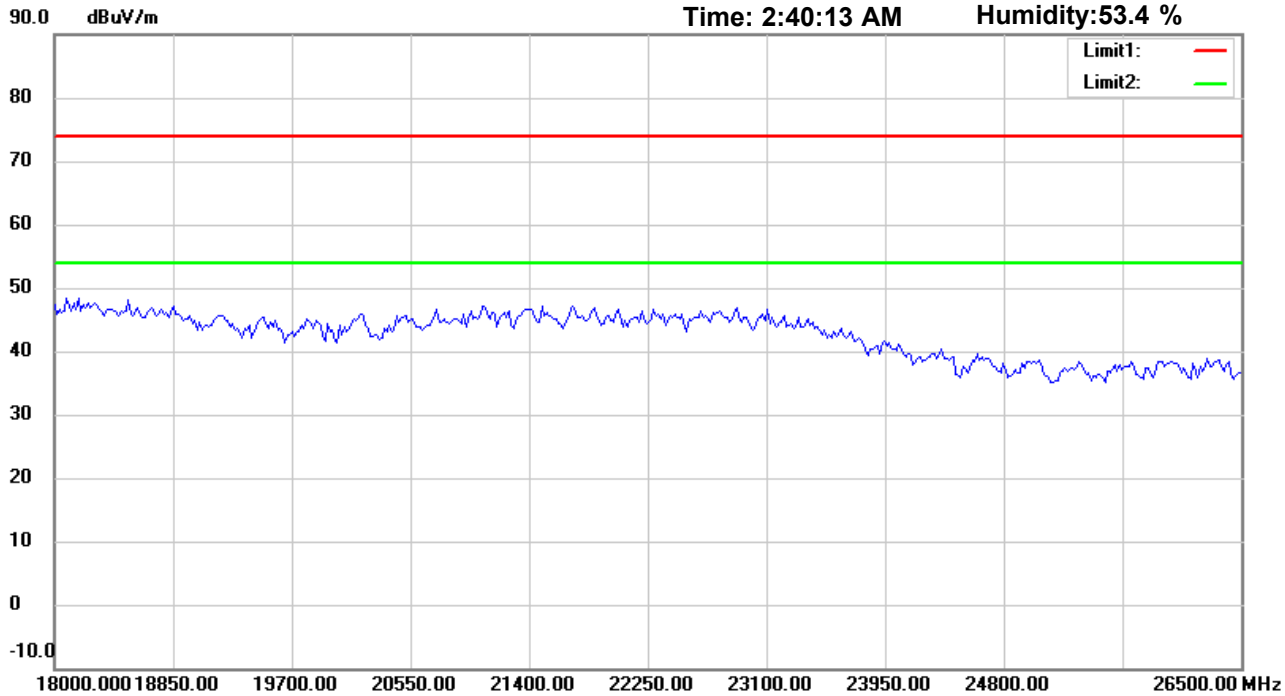
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 2:40:13 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

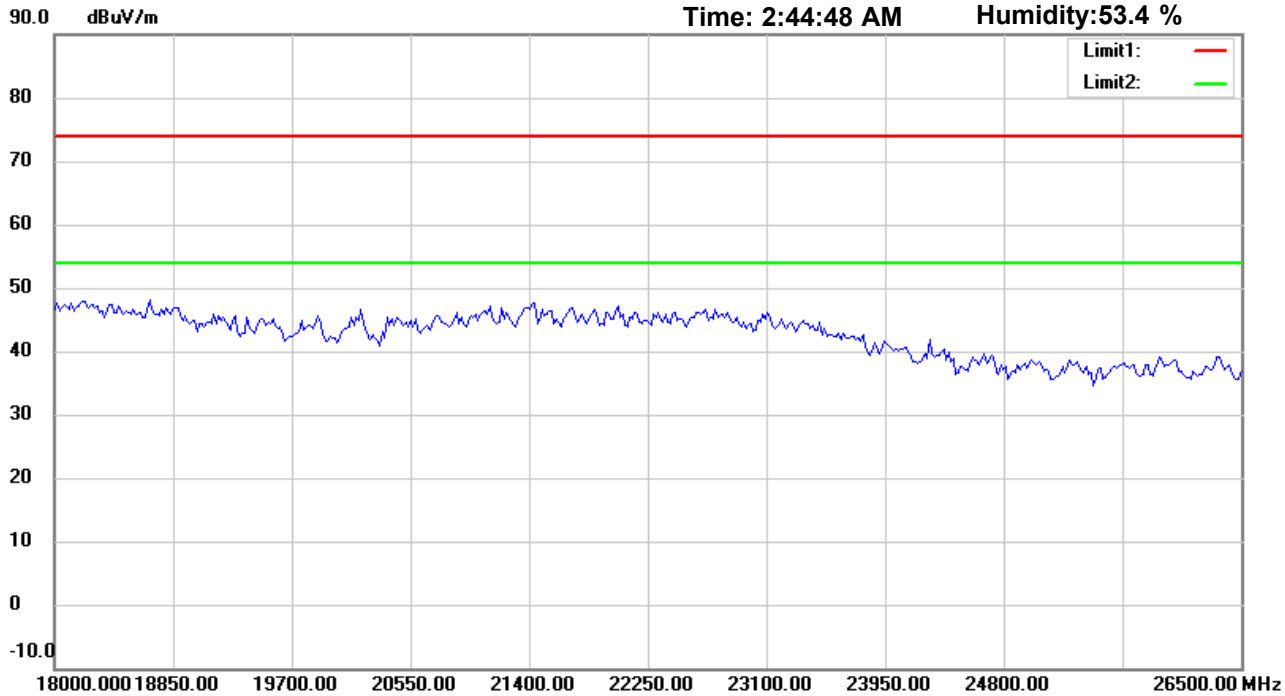
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 2:44:48 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH44

Note :

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

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

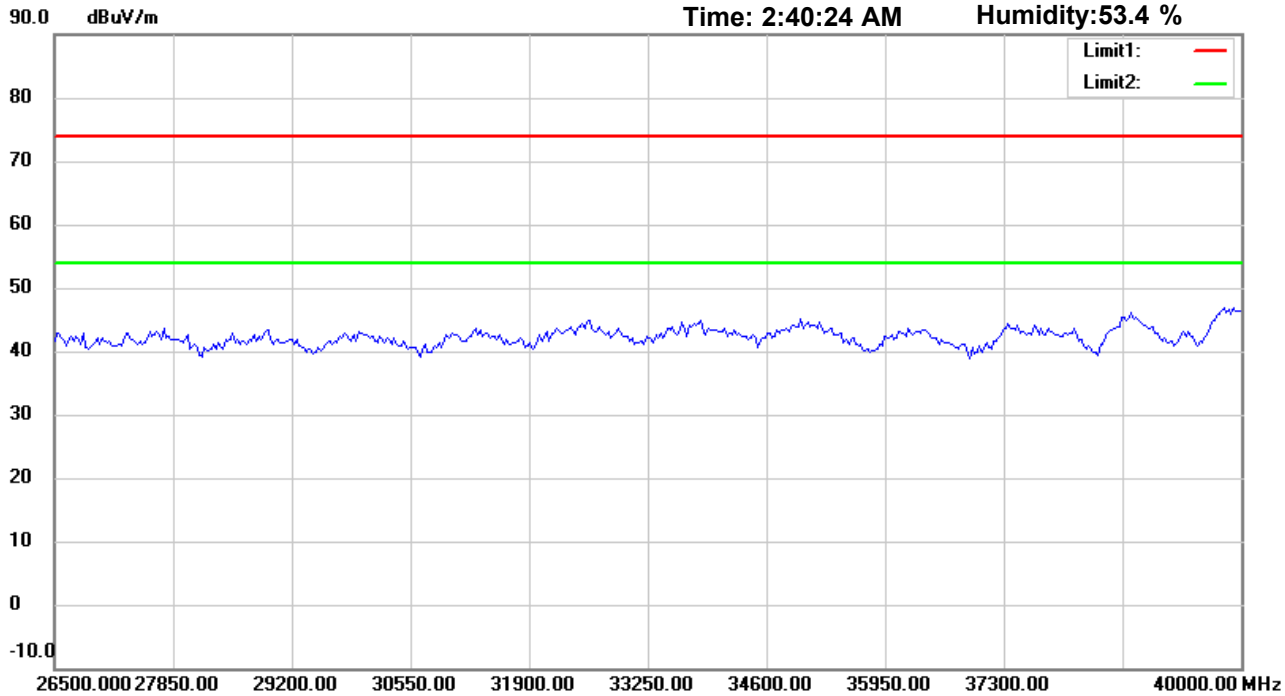
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 2:40:24 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

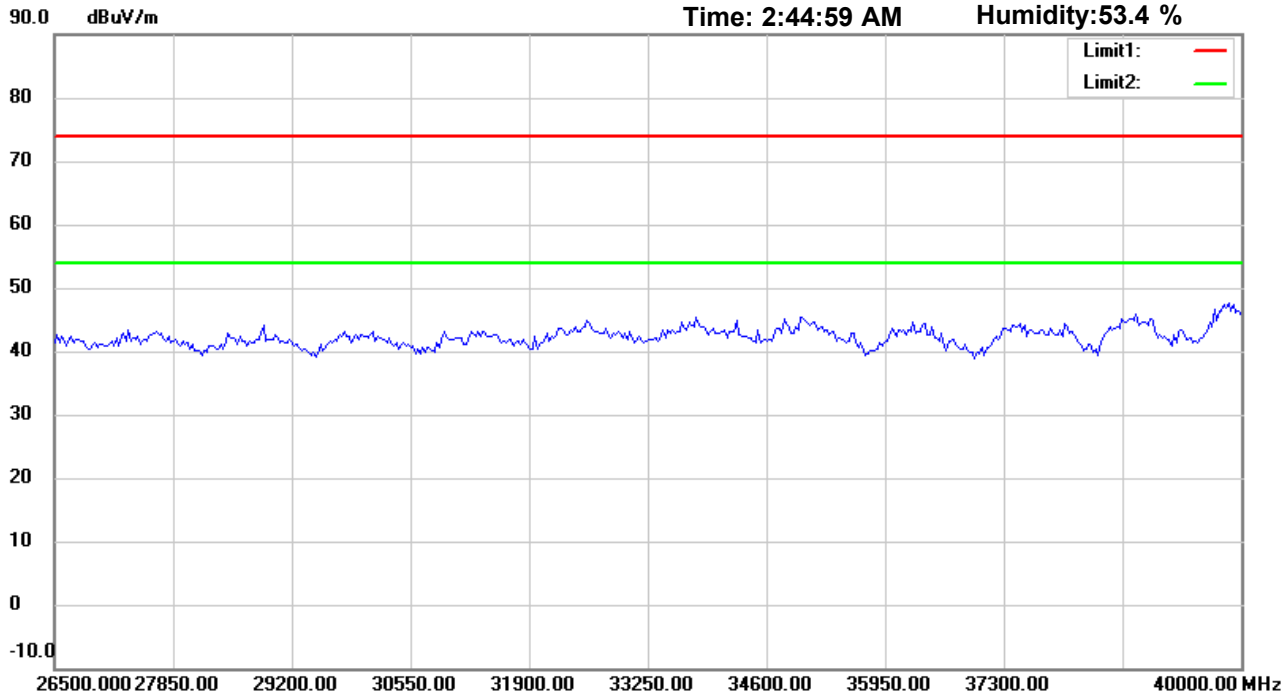
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 2:44:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH44
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

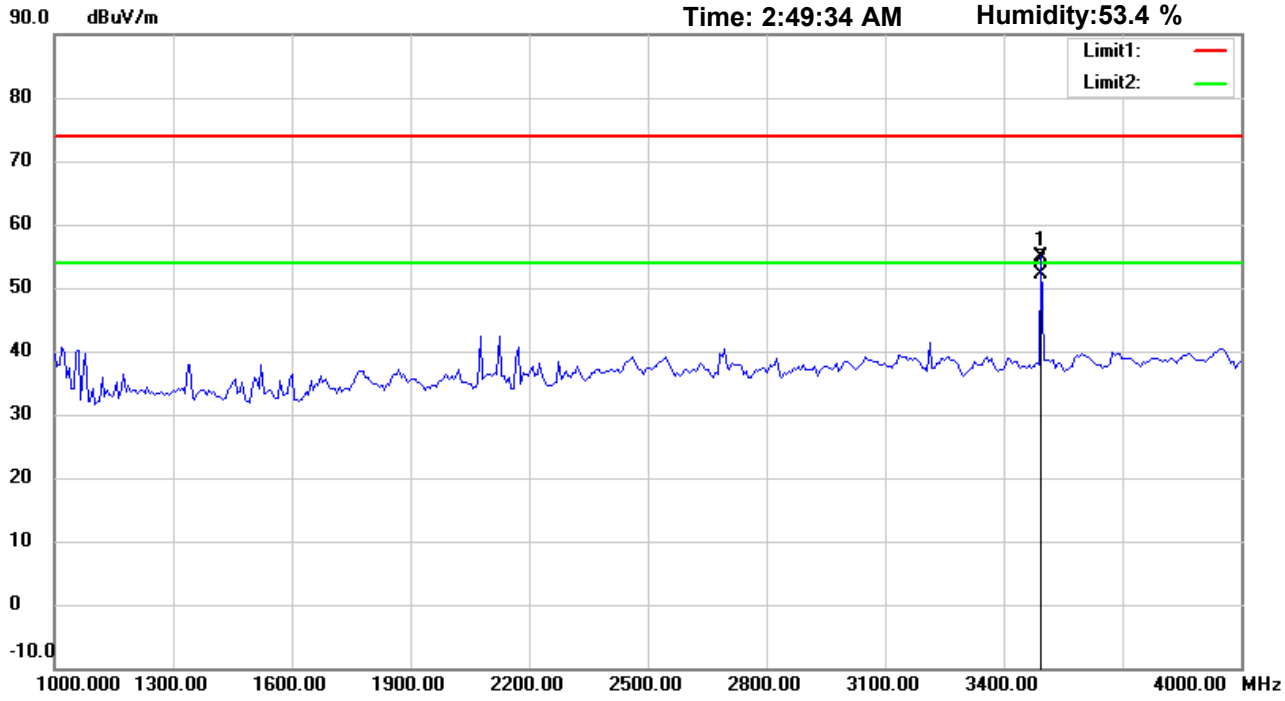
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 2:49:34 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3493.336	58.62	peak	-3.72	54.90	74.00	150	90	-19.10	
*	3493.336	55.89	AVG	-3.72	52.17	54.00	150	90	-1.83	

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

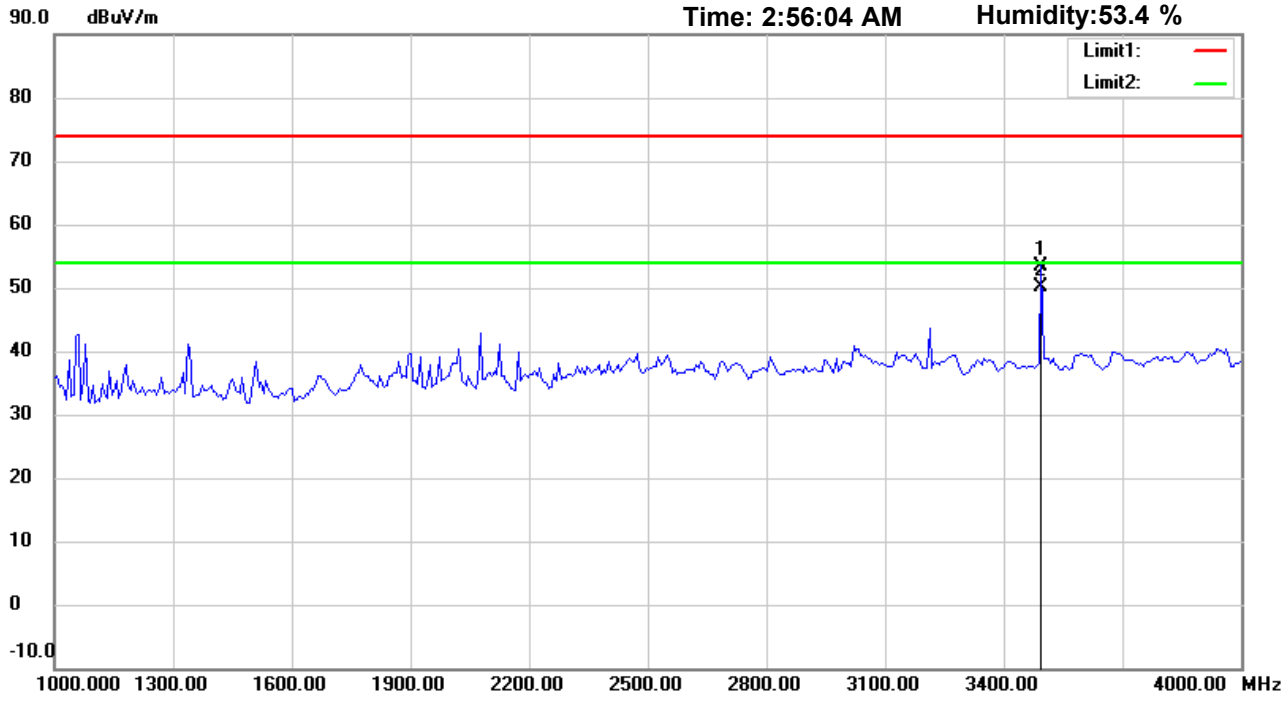
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 2:56:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
	3493.336	57.19	peak	-3.72	53.47	74.00	150	45	-20.53	
*	3493.336	53.90	AVG	-3.72	50.18	54.00	150	45	-3.82	

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

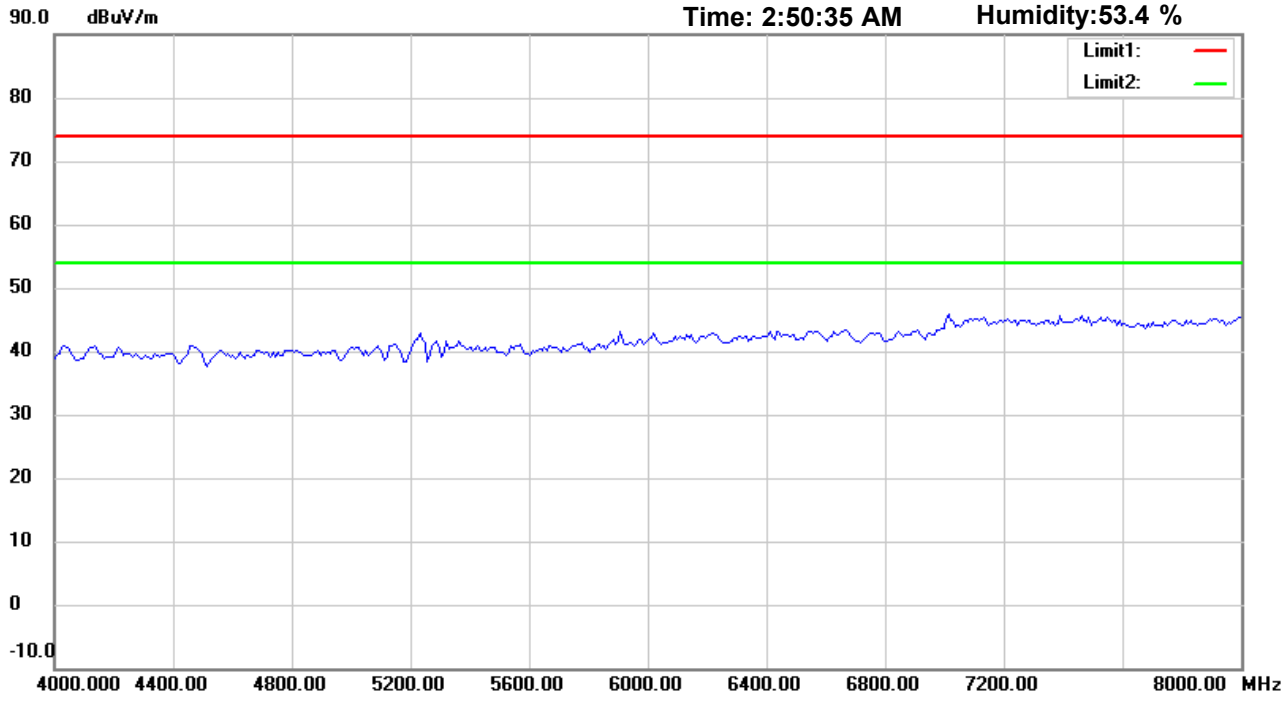
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 2:50:35 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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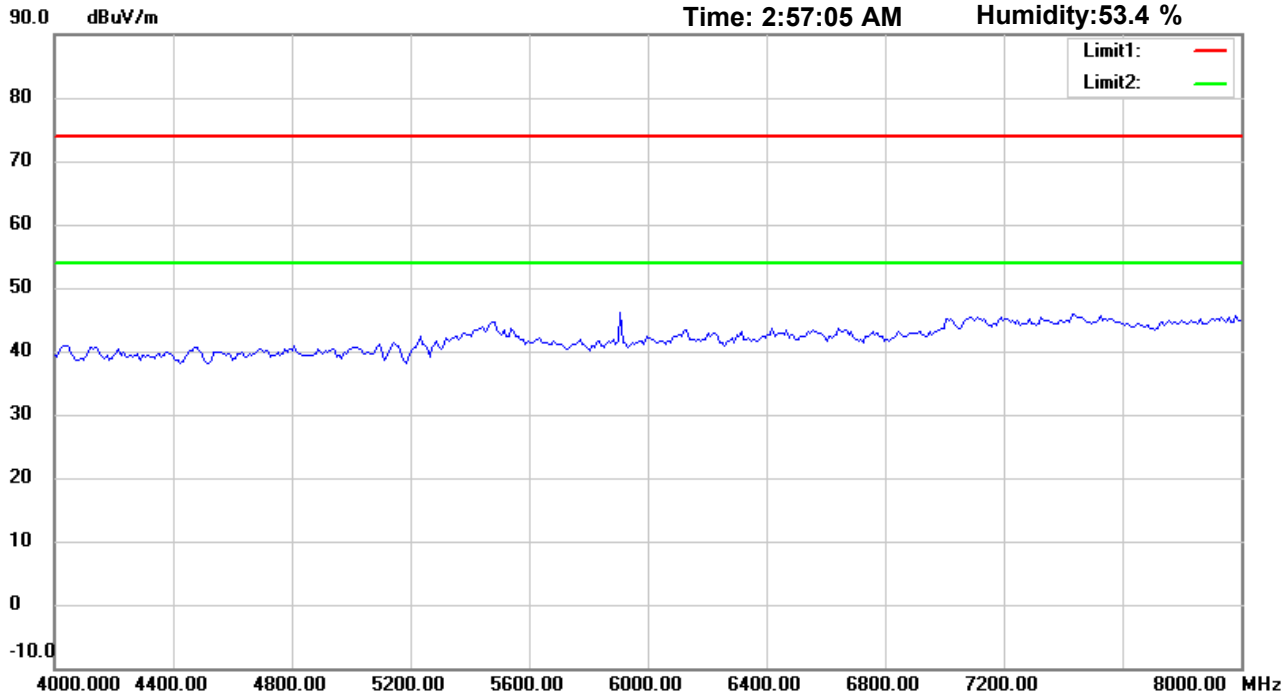
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 2:57:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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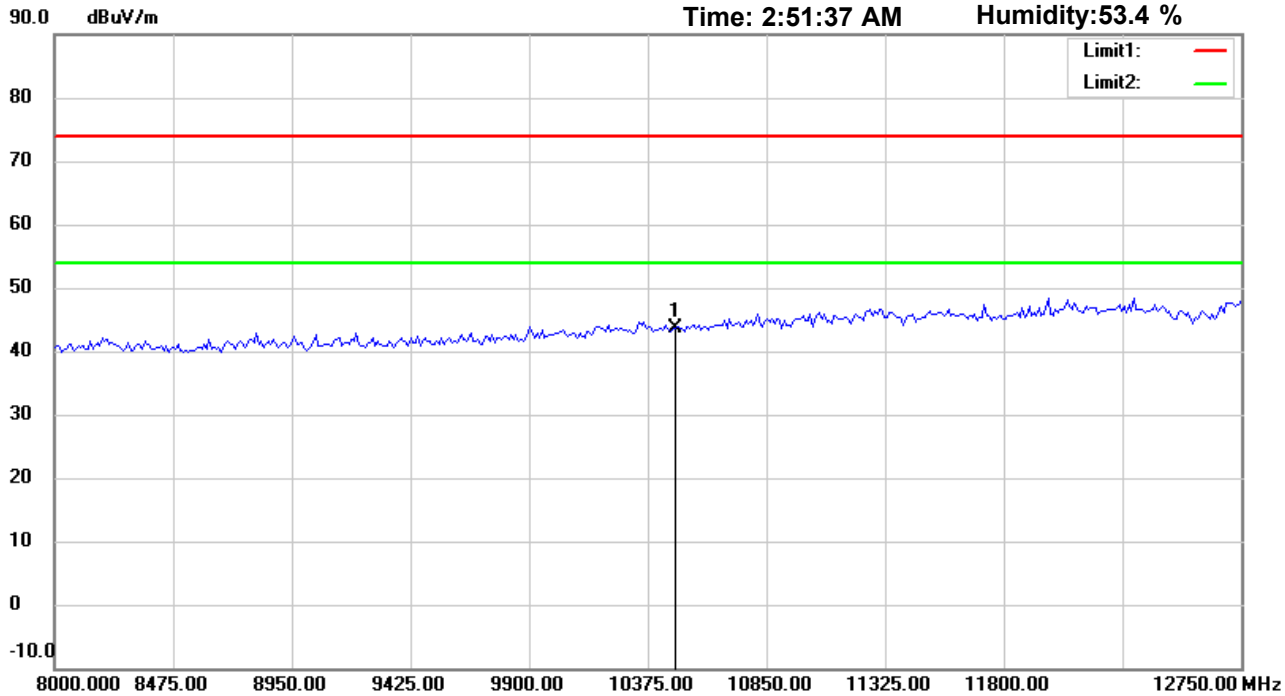
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 2:51:37 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	10480.000	35.18	peak	8.46	43.64	74.00	150	115	-30.36	

*: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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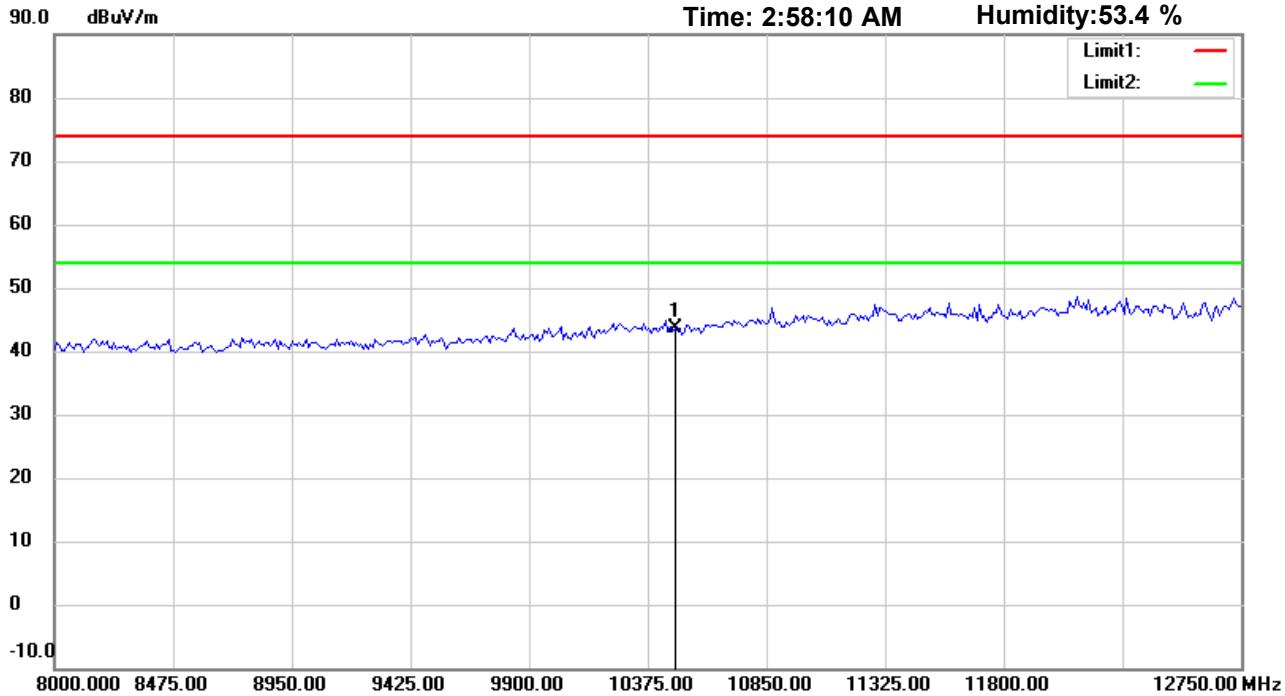
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 2:58:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	10480.000	35.18	peak	8.46	43.64	74.00	150	355	-30.36	

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

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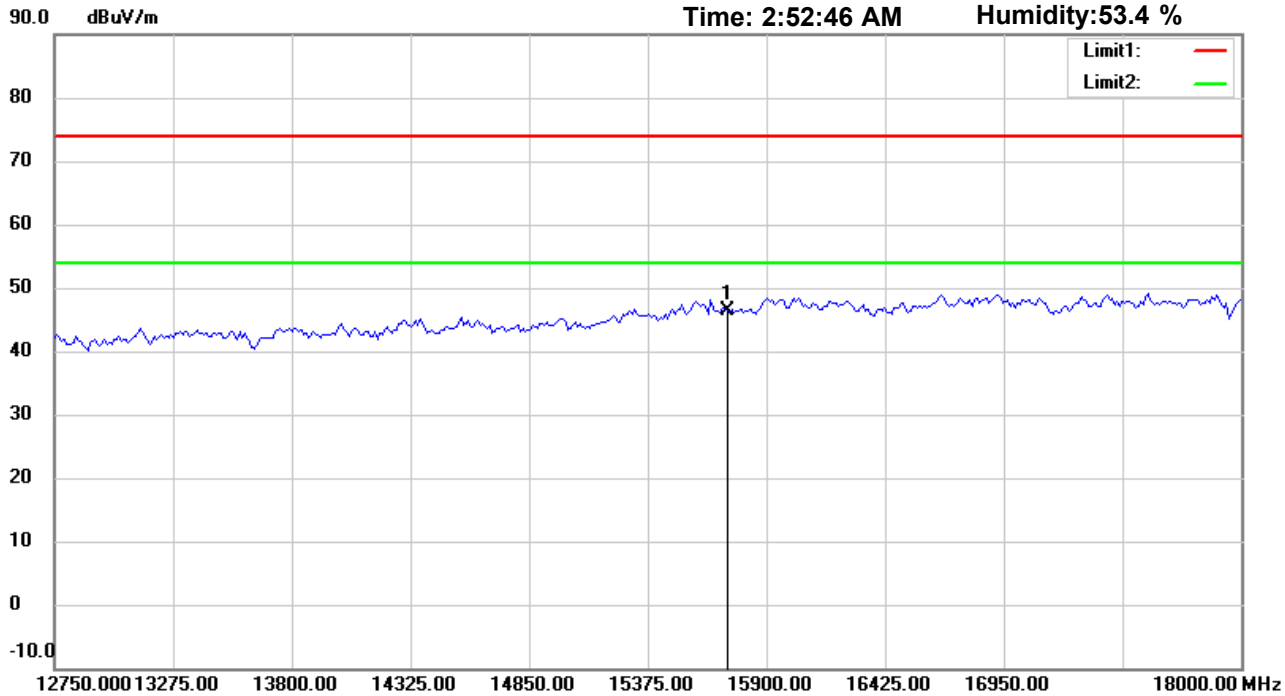
Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 2:52:46 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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
*	15720.000	28.94	peak	17.44	46.38	74.00	150	200	-27.62	

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

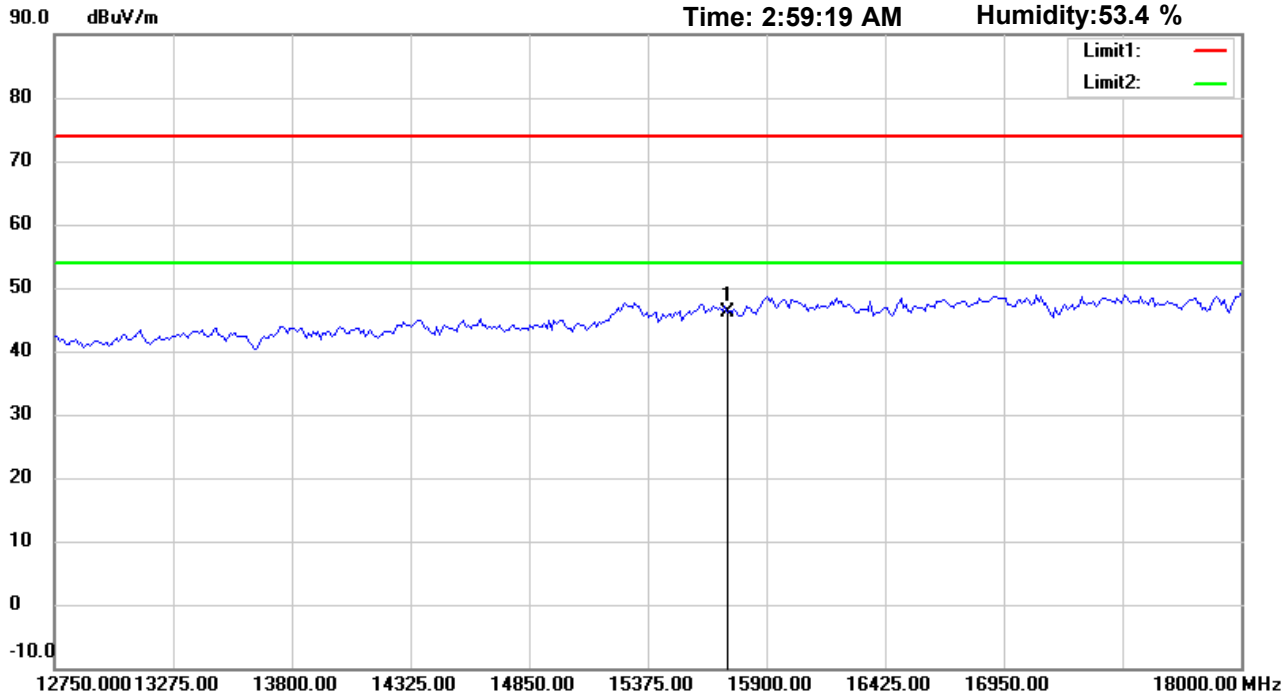
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 2:59:19 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15720.000	28.59	peak	17.44	46.03	74.00	150	105	-27.97	

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

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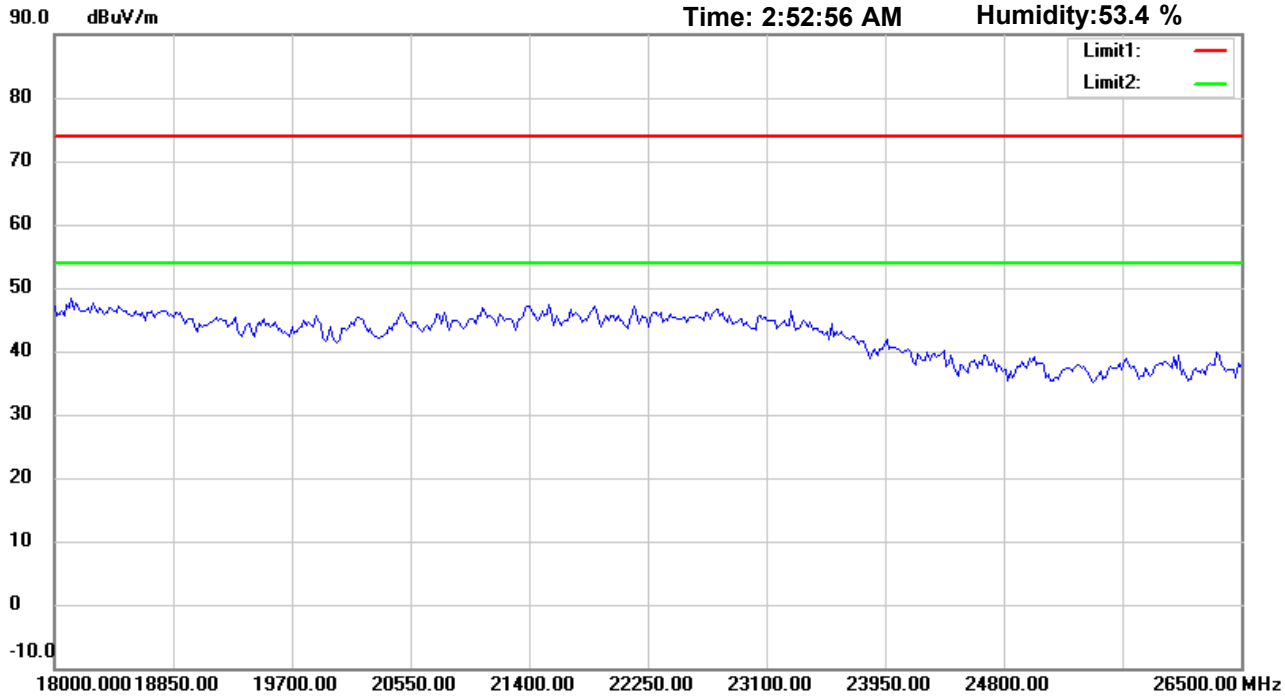
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#5 | Date: 12/28/2019 | Time: 2:52:56 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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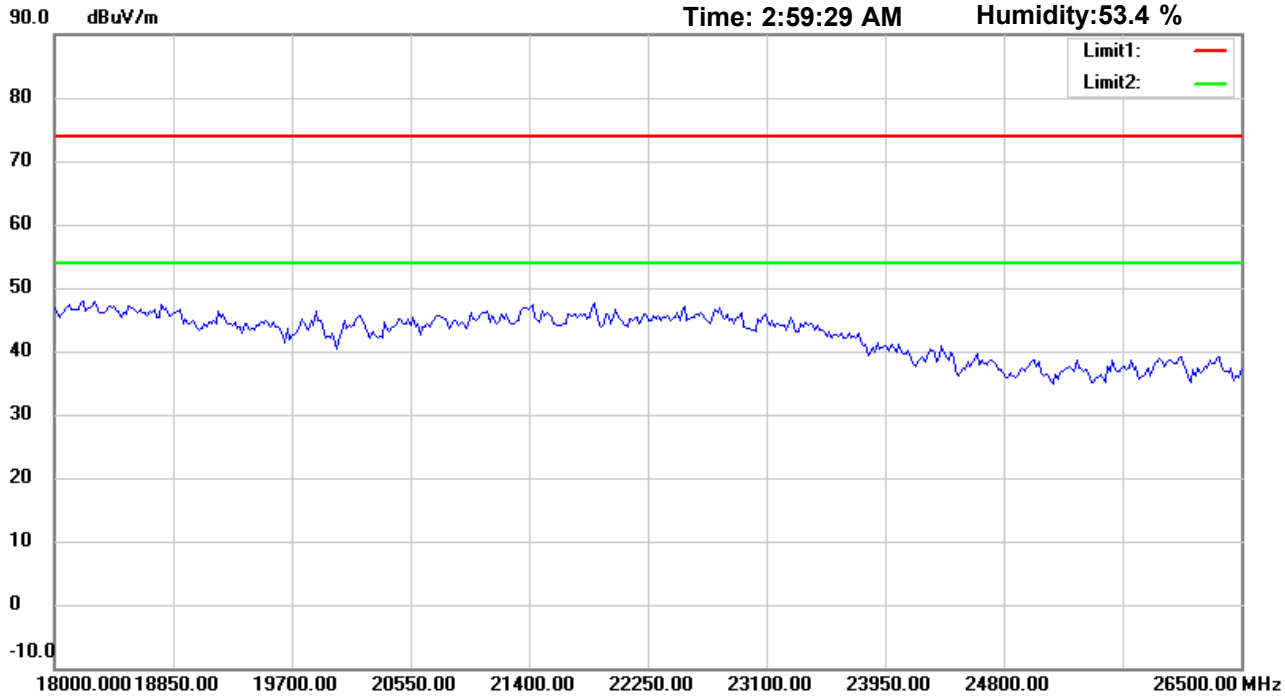
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 2:59:29 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH48

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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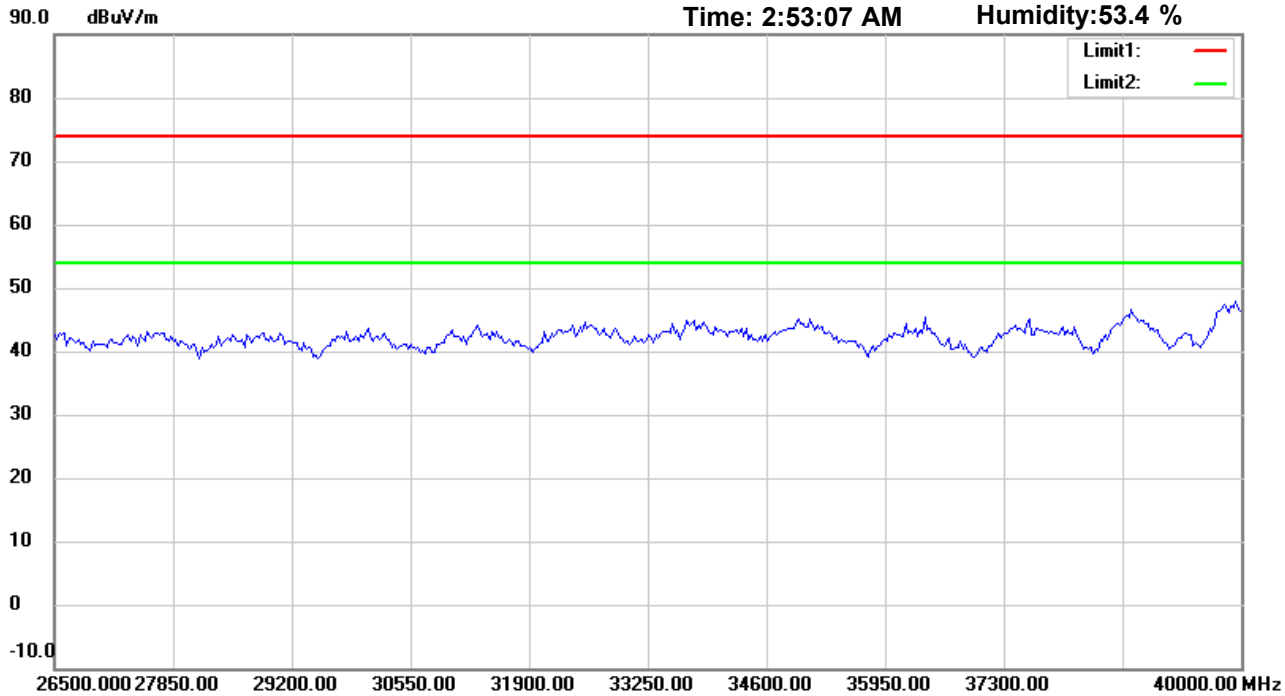
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 2:53:07 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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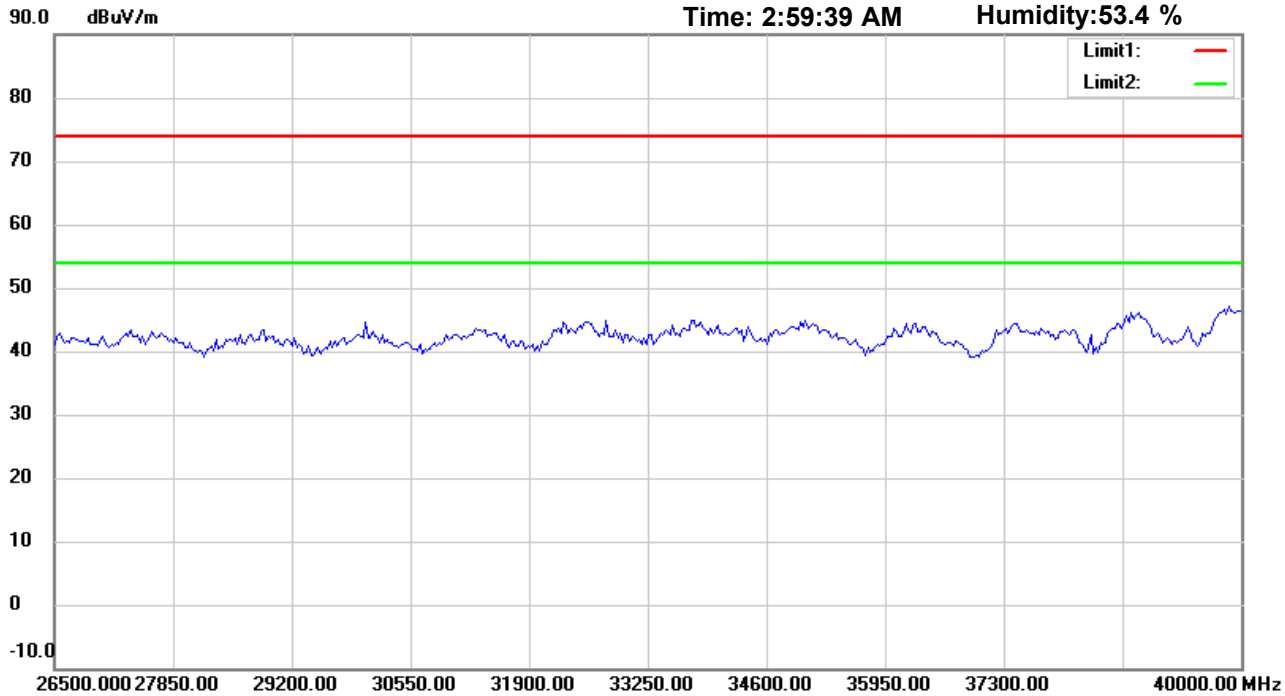
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 2:59:39 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH48
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

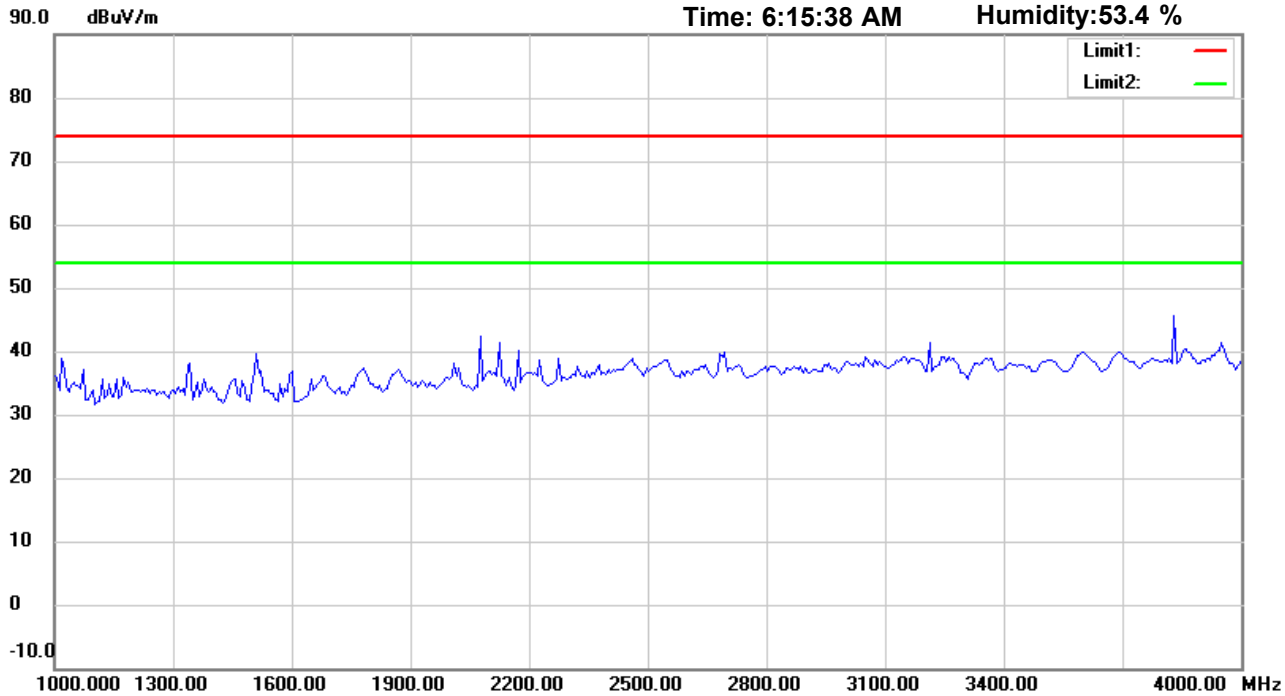
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 6:15:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

Note :

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

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

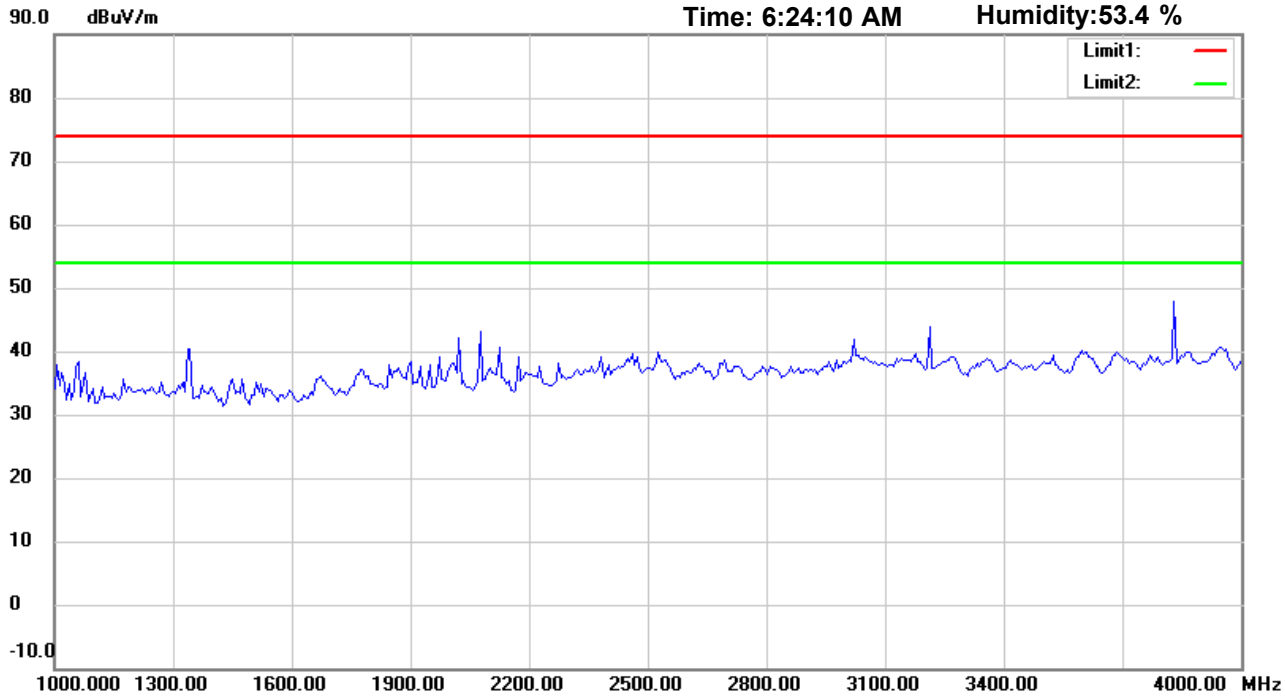
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 6:24:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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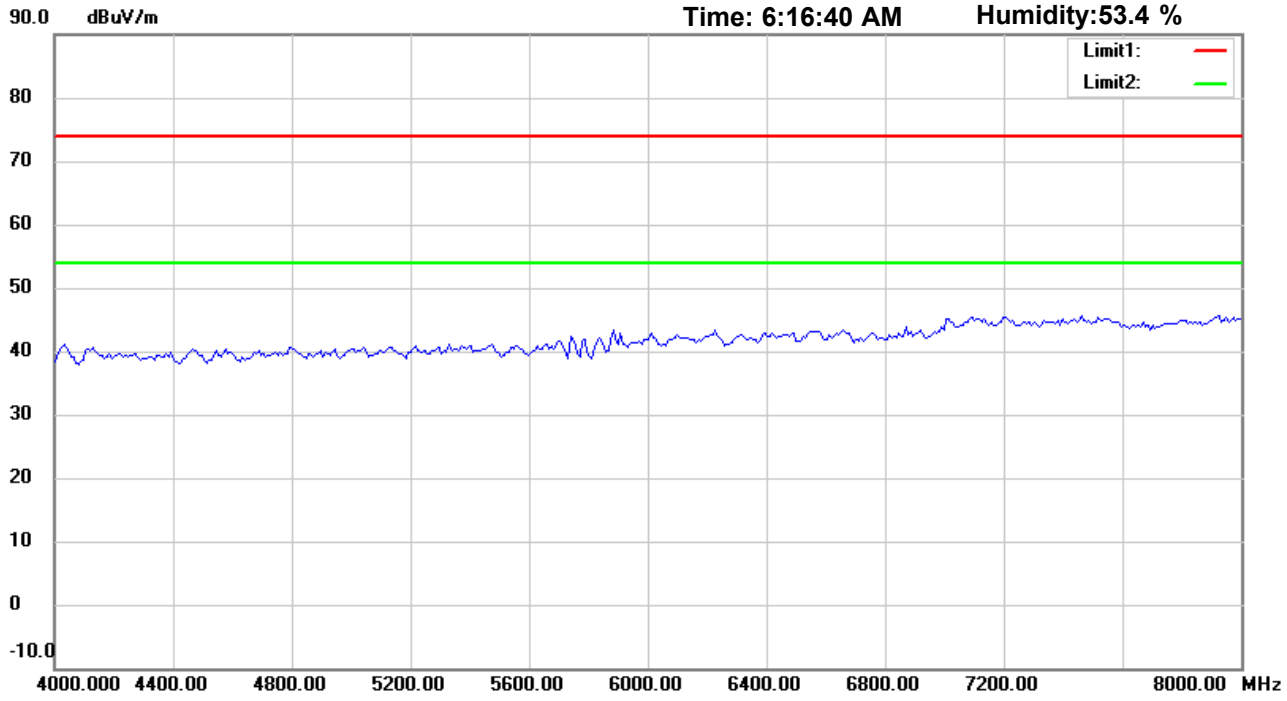
Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 6:16:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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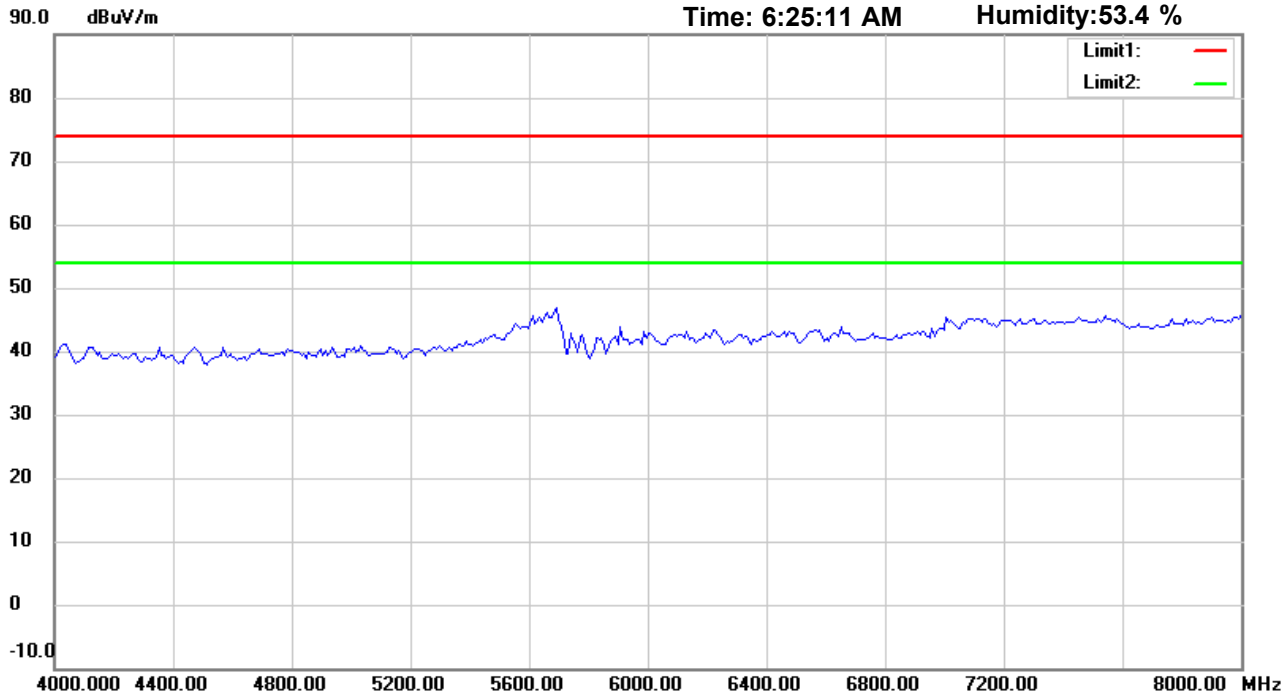
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 6:25:11 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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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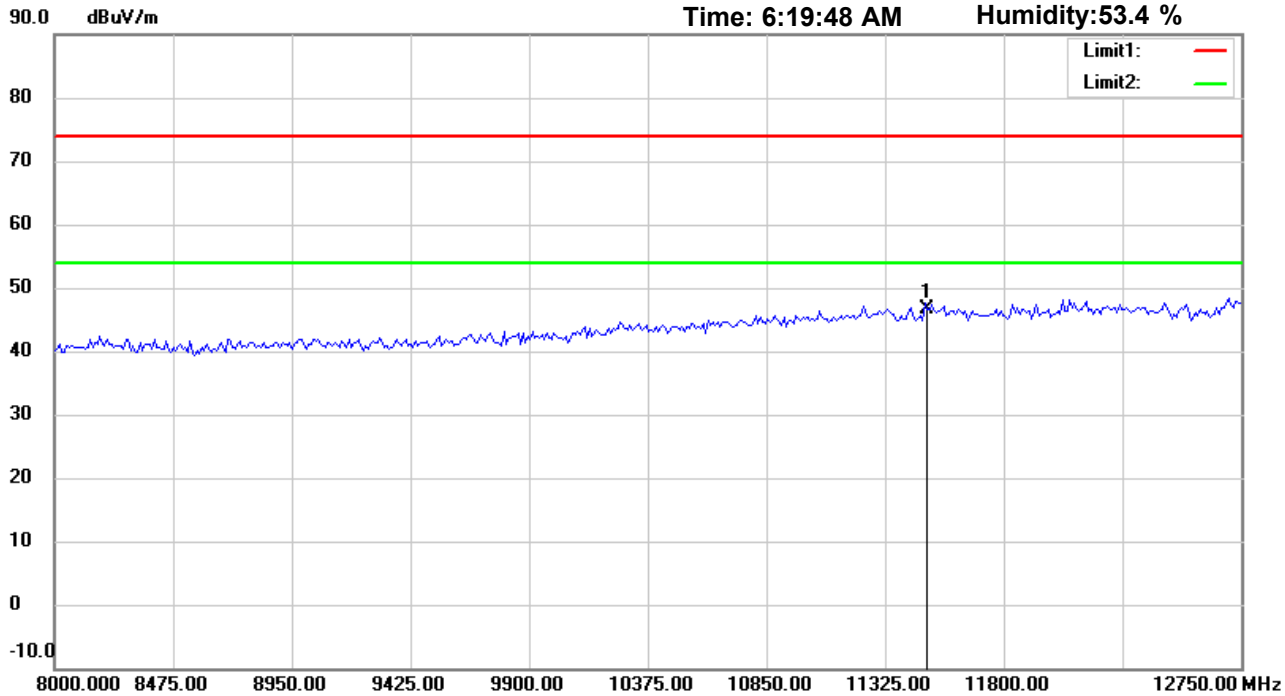
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 6:19:48 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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
*	11490.000	35.23	peak	11.36	46.59	74.00	150	155	-27.41	

*: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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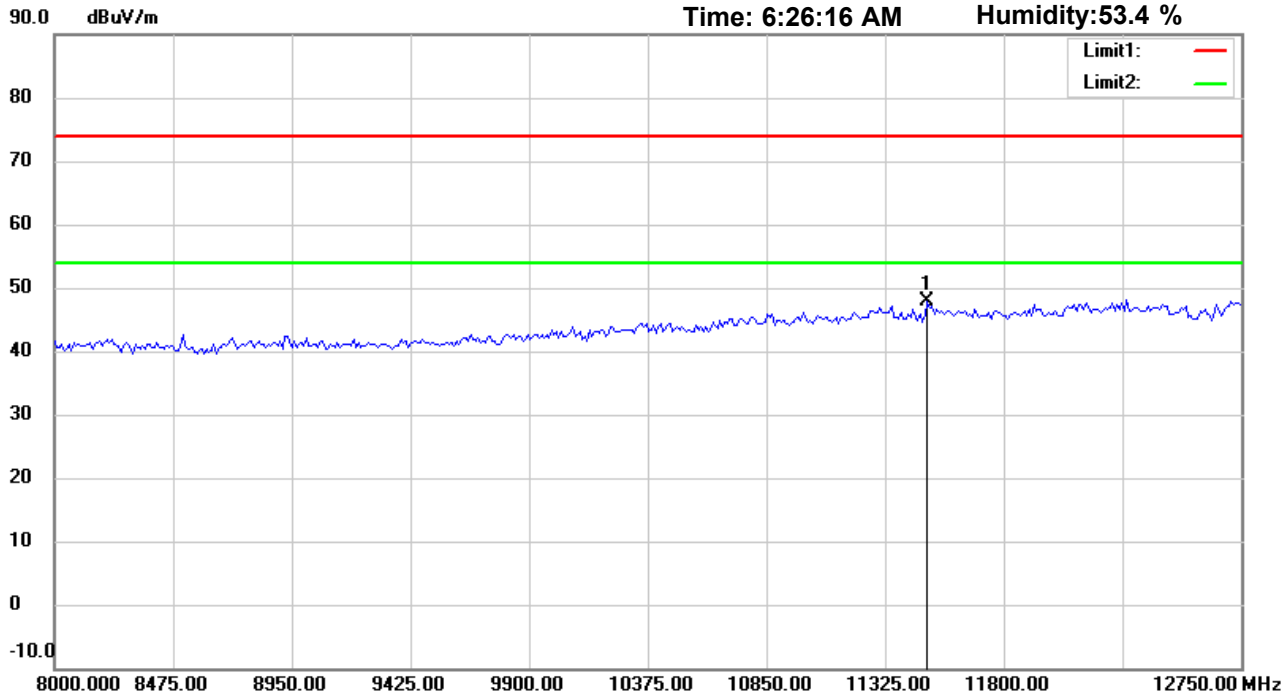
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 6:26:16 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH149

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
*	11490.000	36.56	peak	11.36	47.92	74.00	150	200	-26.08	

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

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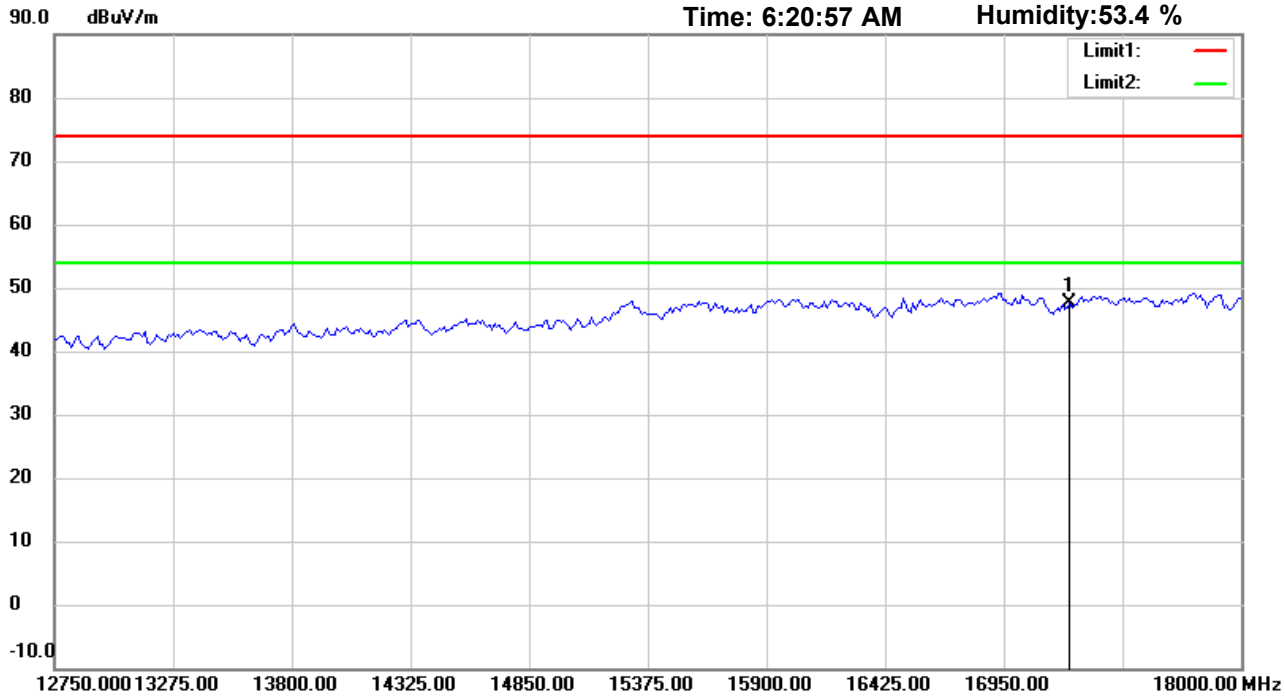
Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 6:20:57 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17235.000	28.48	peak	19.23	47.71	74.00	150	300	-26.29	

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

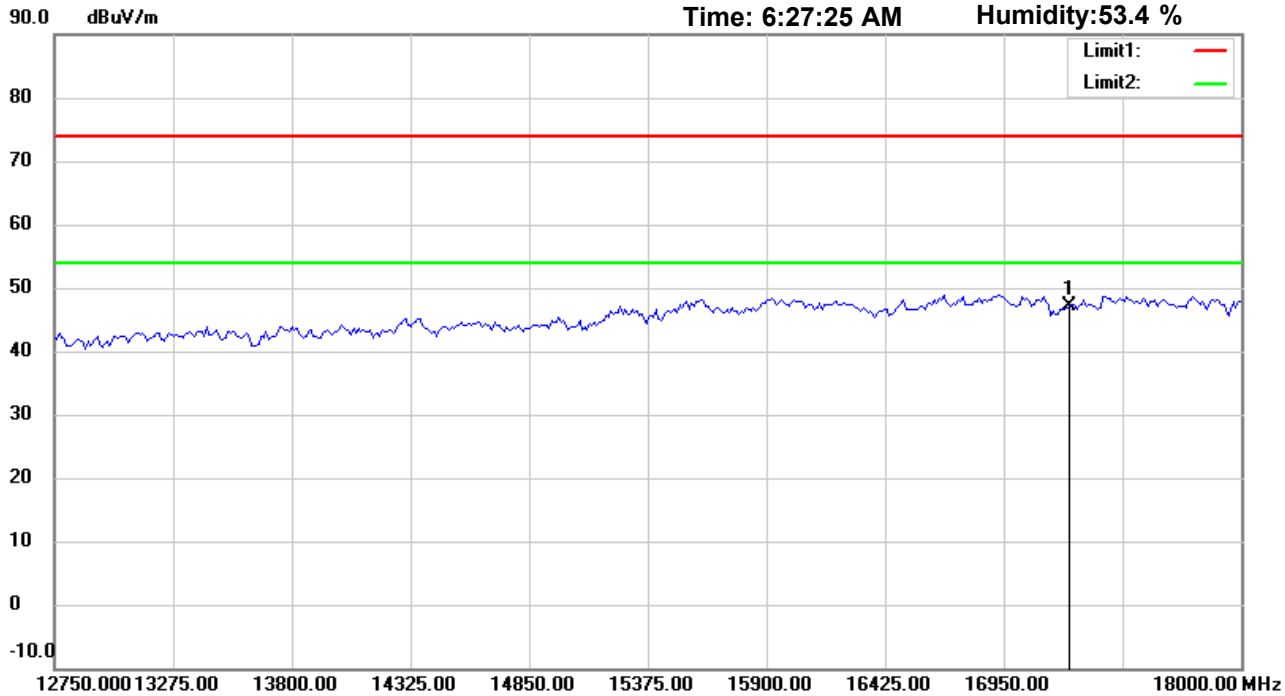
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 6:27:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17235.000	27.98	peak	19.23	47.21	74.00	150	75	-26.79	

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

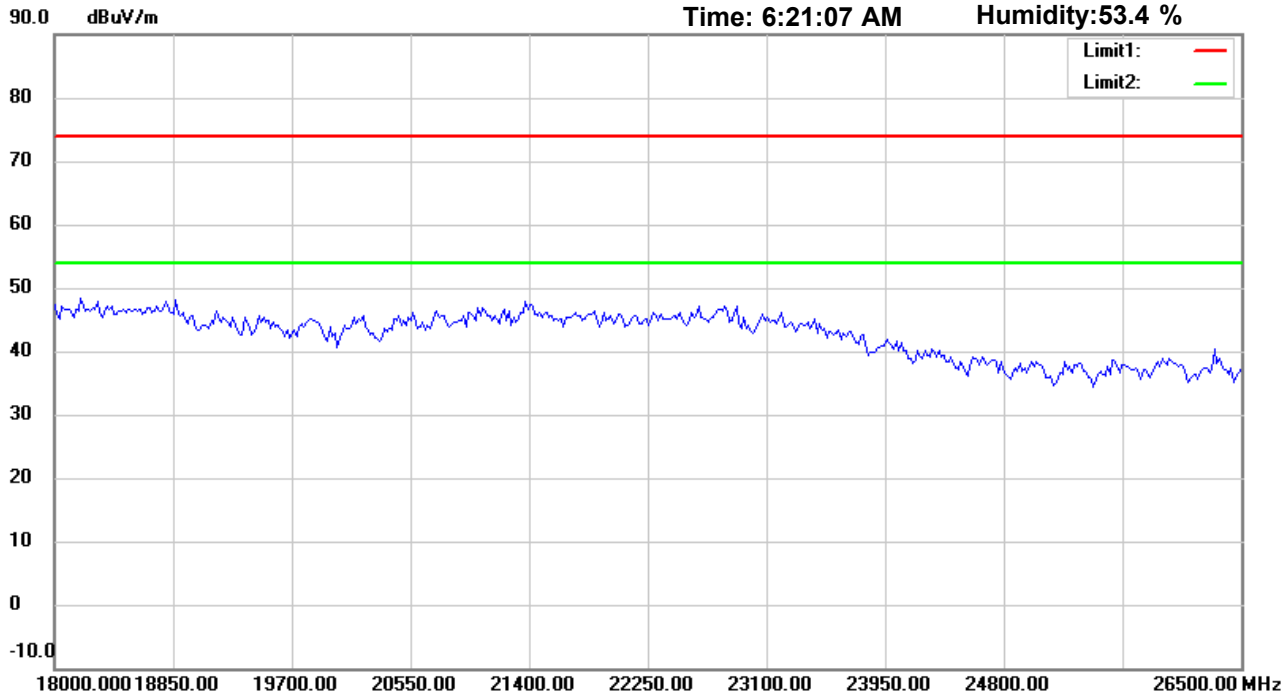
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 6:21:07 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

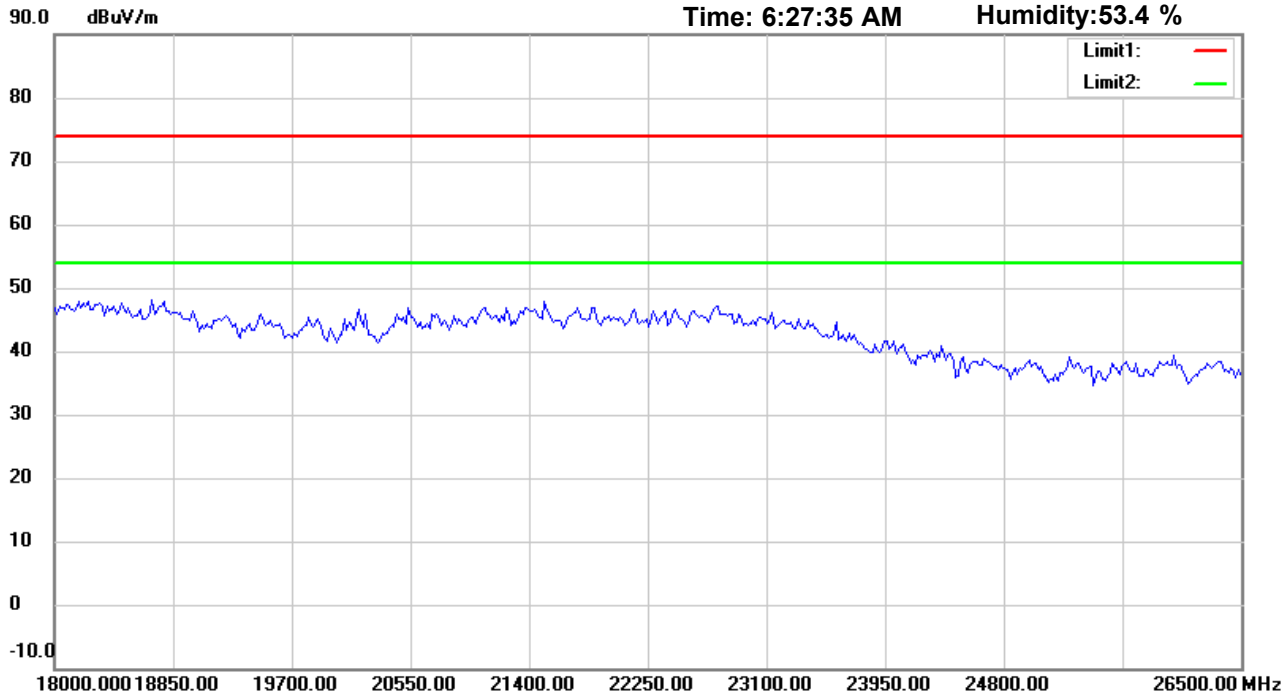
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 12/28/2019 Time: 6:27:35 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

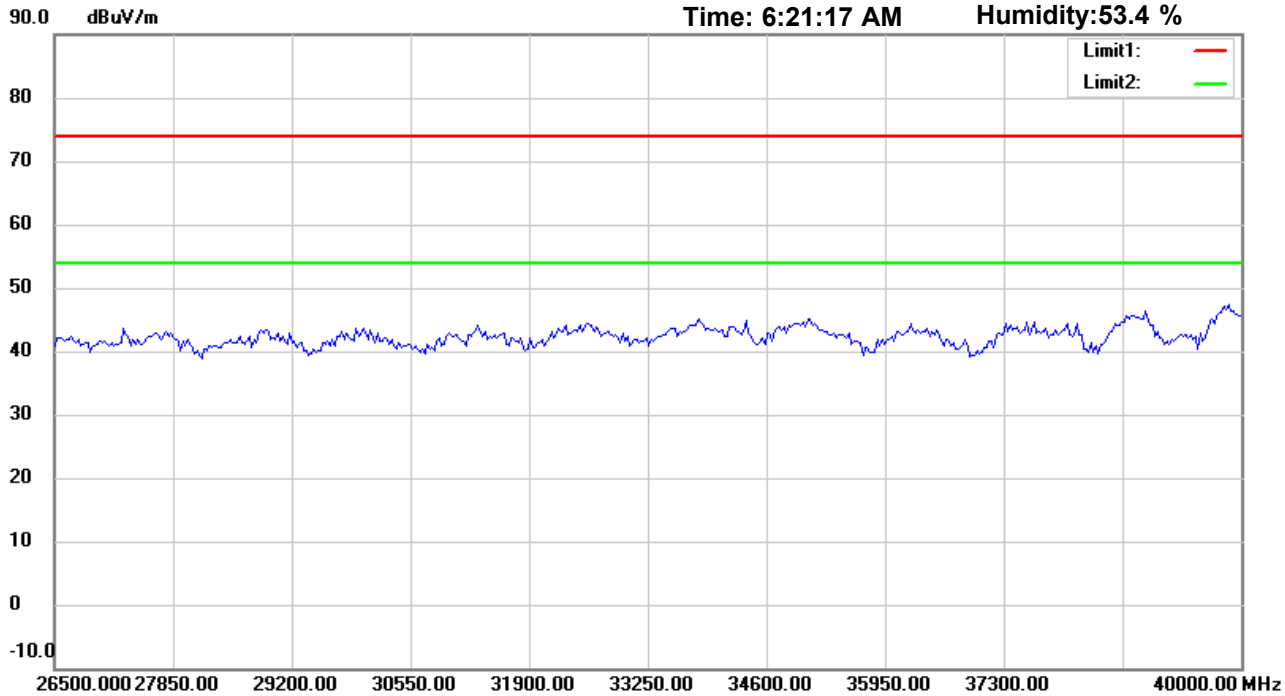
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 6:21:17 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

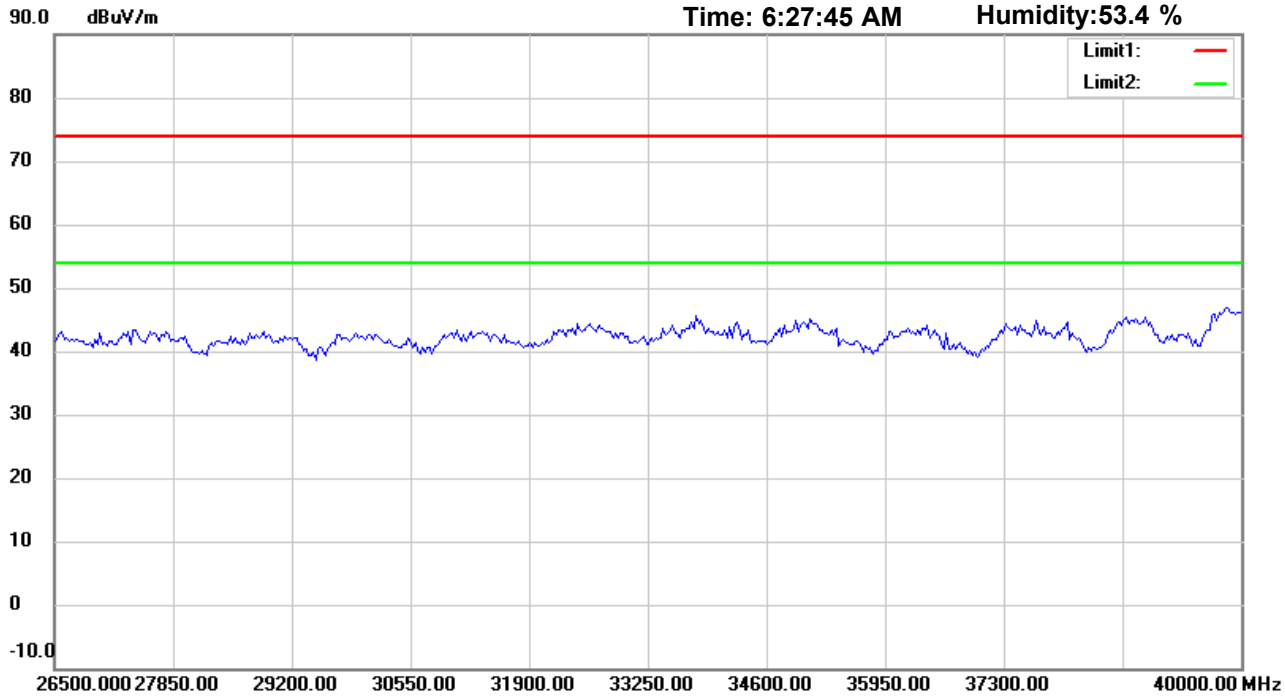
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 6:27:45 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH149
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

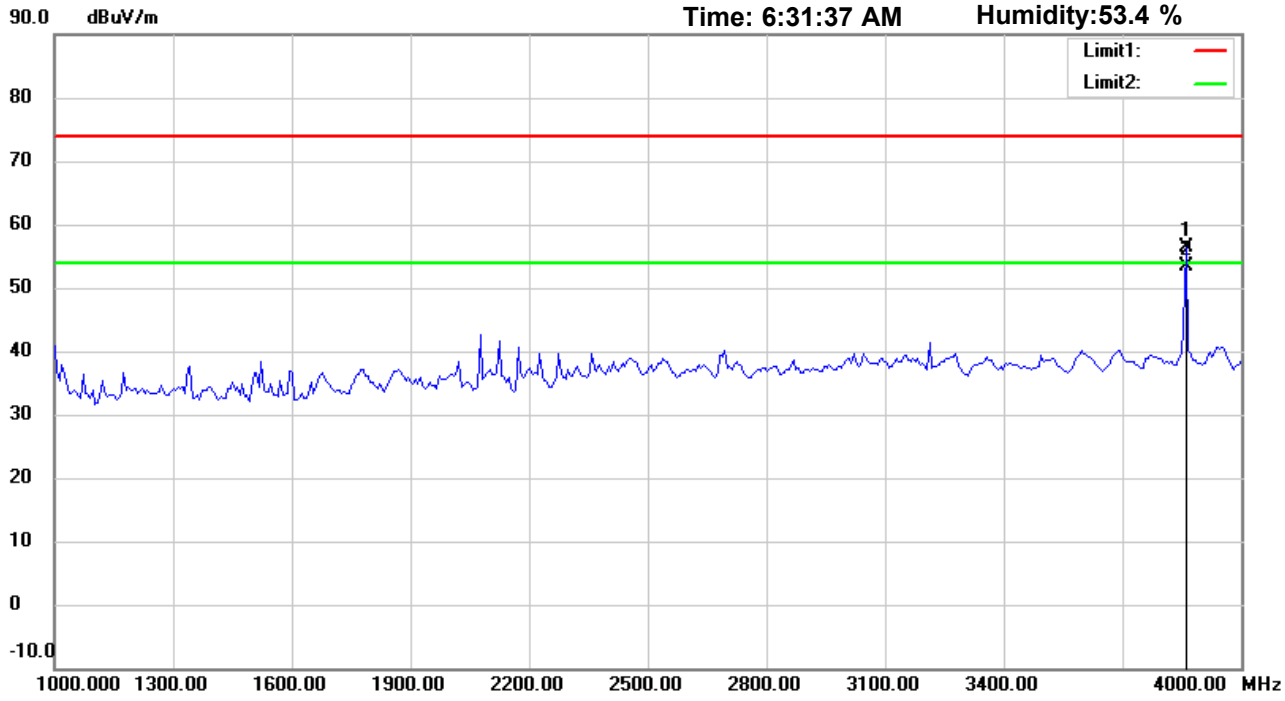
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 6:31:37 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
	3856.853	58.86	peak	-2.42	56.44	74.00	150	335	-17.56	
*	3856.853	55.74	AVG	-2.42	53.32	54.00	150	335	-0.68	

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

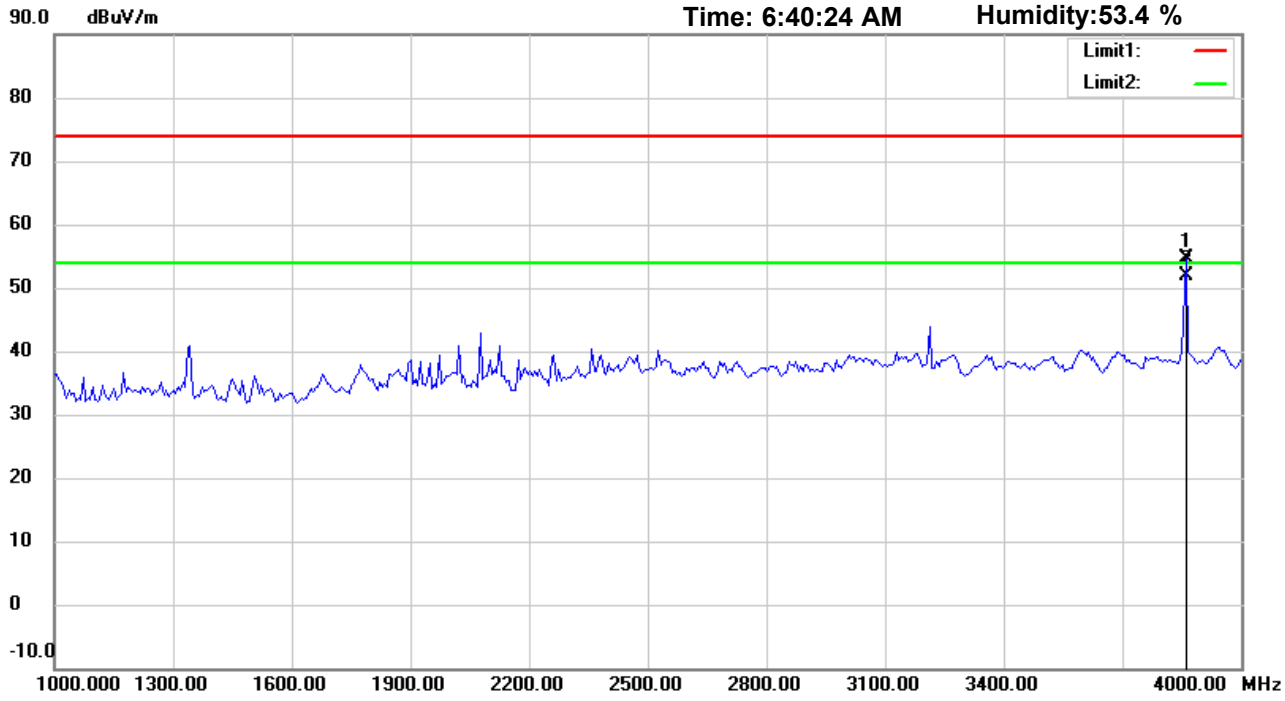
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 6:40:24 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
	3856.853	57.12	peak	-2.42	54.70	74.00	150	120	-19.30	
*	3856.853	54.37	AVG	-2.42	51.95	54.00	150	120	-2.05	

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

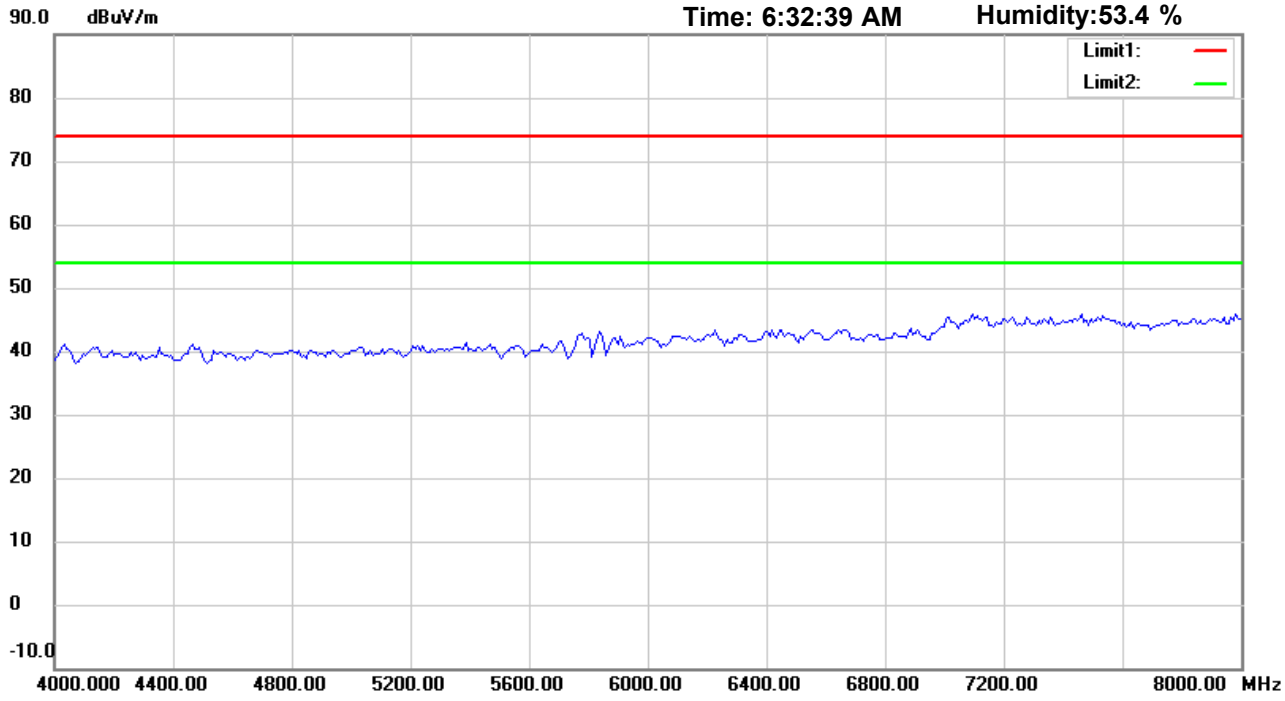
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 6:32:39 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

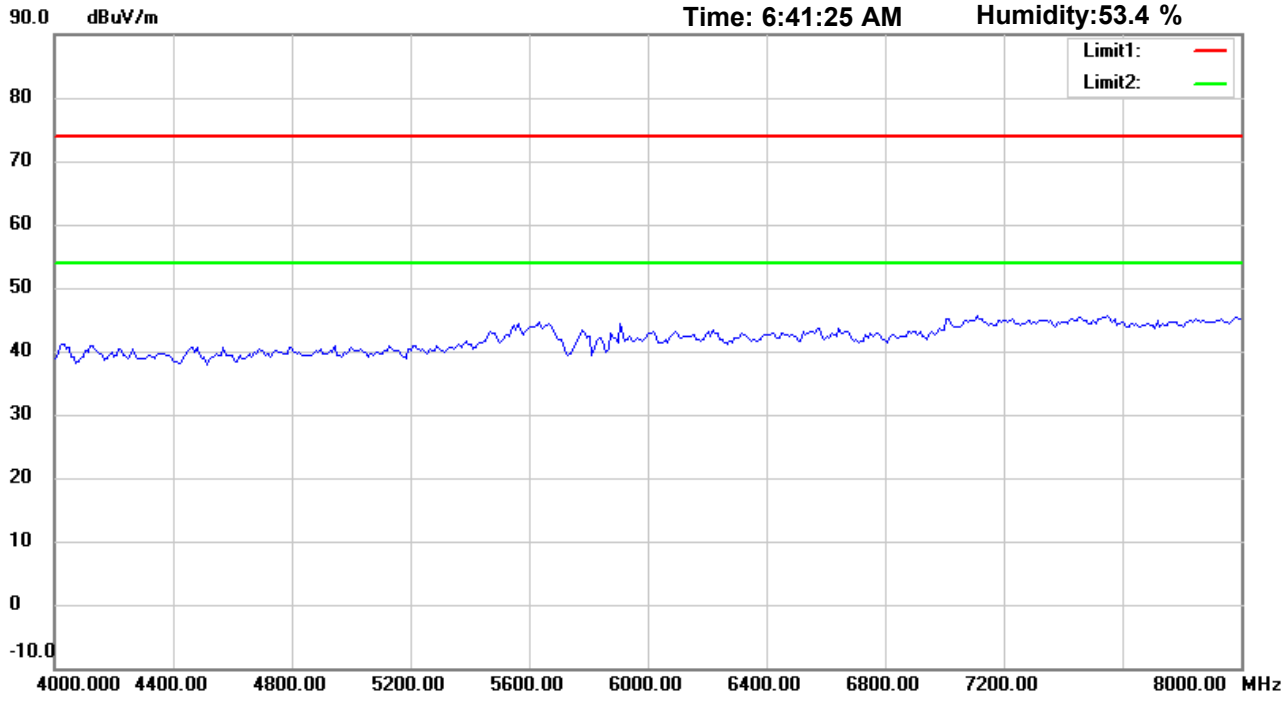
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 6:41:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

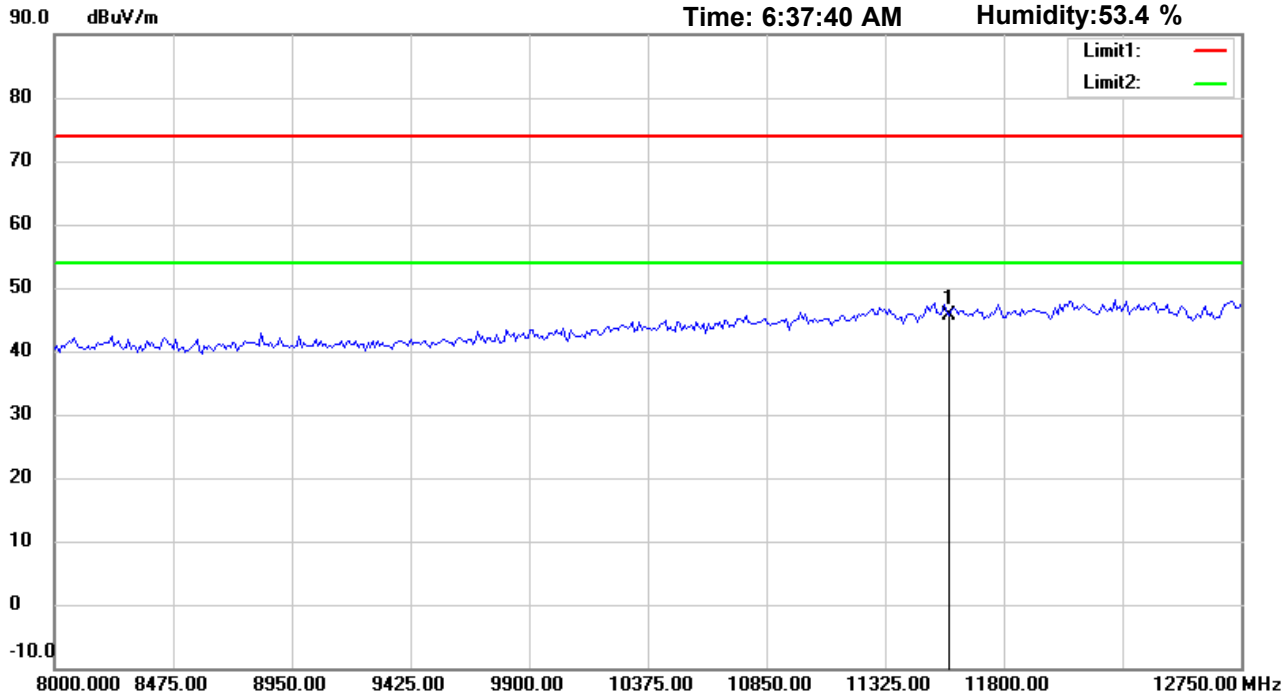
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 6:37:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
*	11570.000	34.48	peak	11.12	45.60	74.00	150	315	-28.40	

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

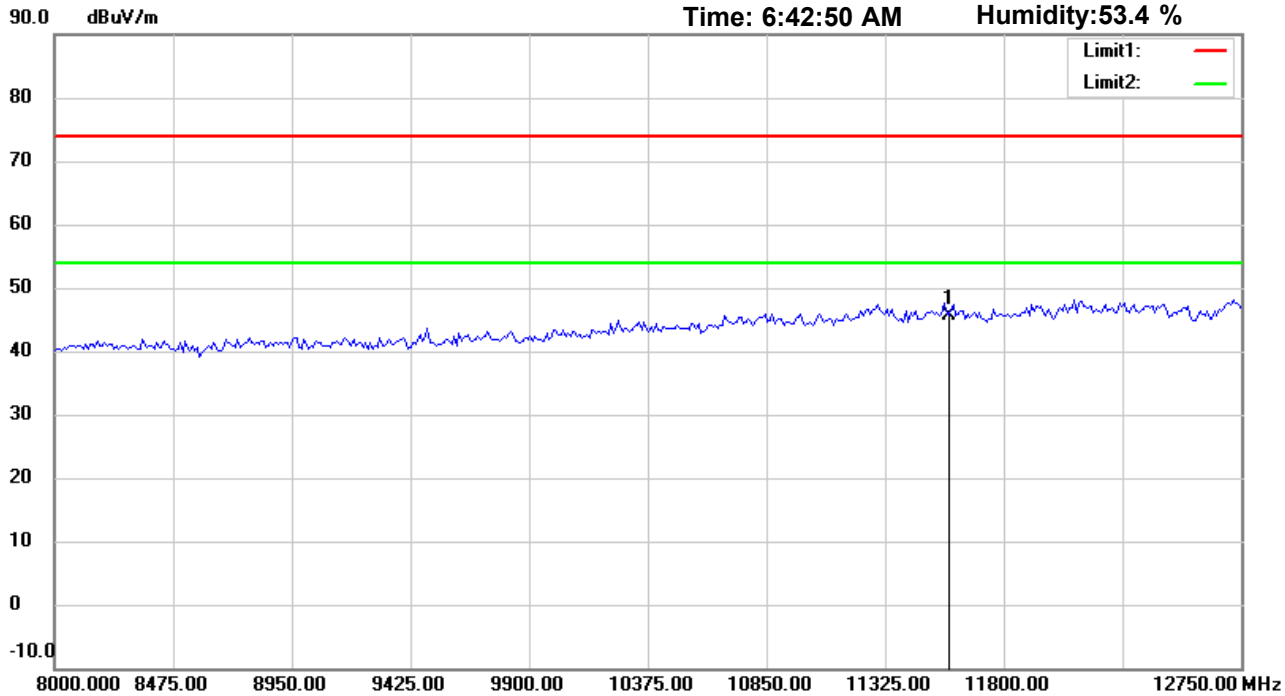
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 6:42:50 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

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
*	11570.000	34.48	peak	11.12	45.60	74.00	150	15	-28.40	

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

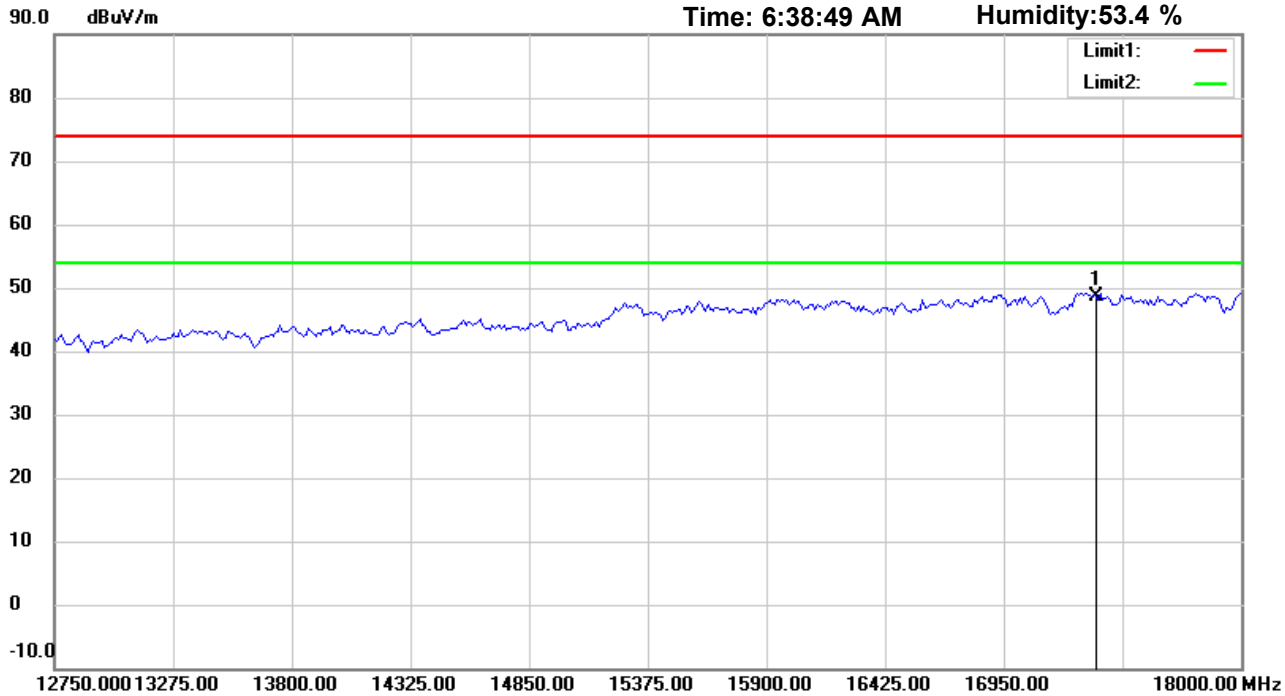
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 6:38:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17355.000	28.08	peak	20.45	48.53	74.00	150	160	-25.47	

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

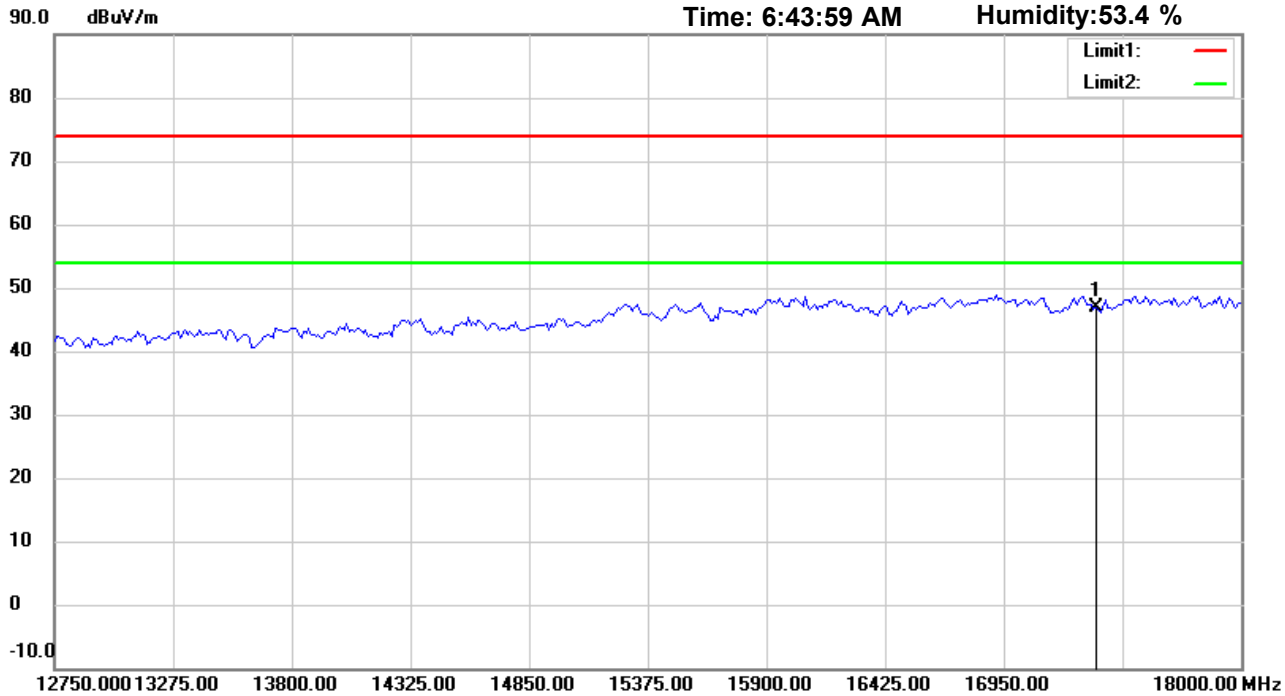
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 6:43:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17355.000	26.53	peak	20.45	46.98	74.00	150	220	-27.02	

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

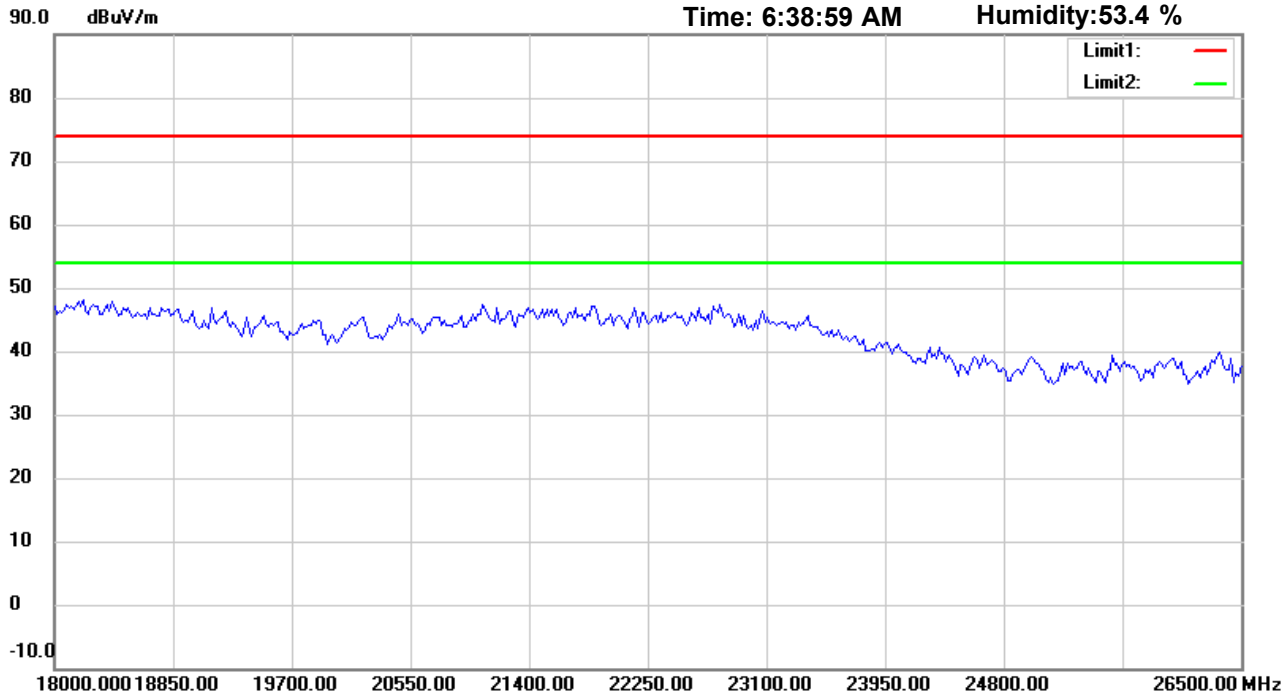
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 6:38:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

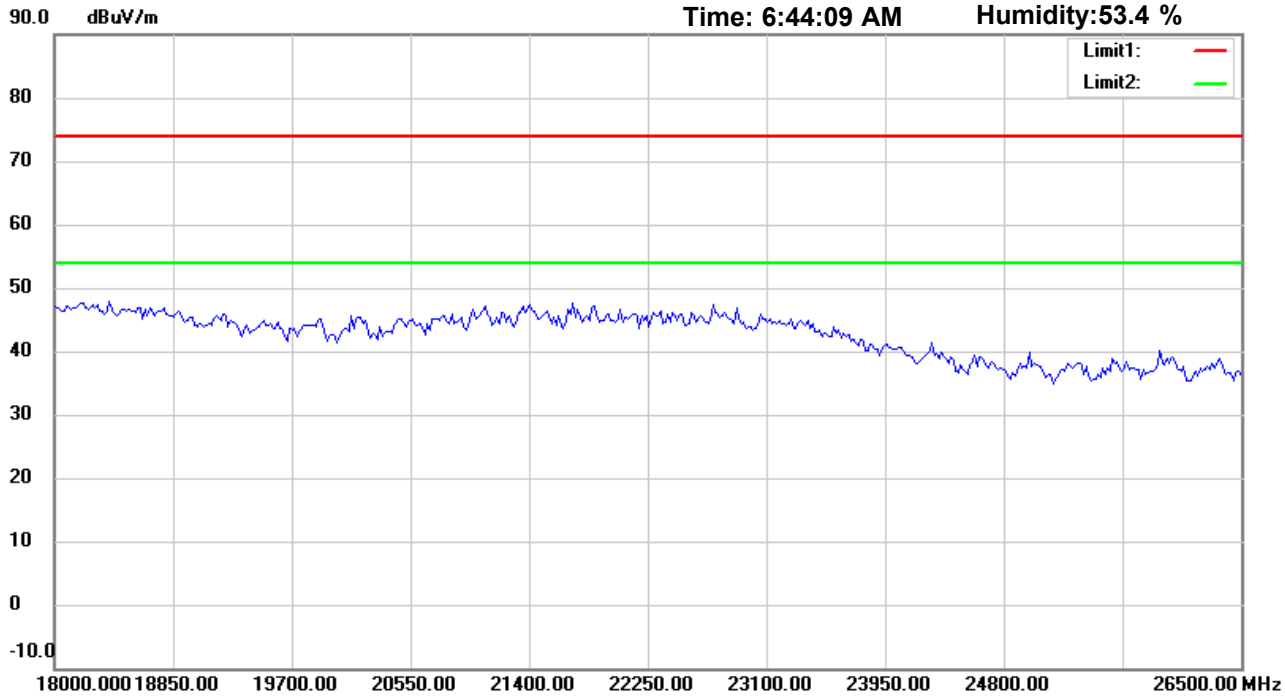
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 6:44:09 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH157

Note :

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

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

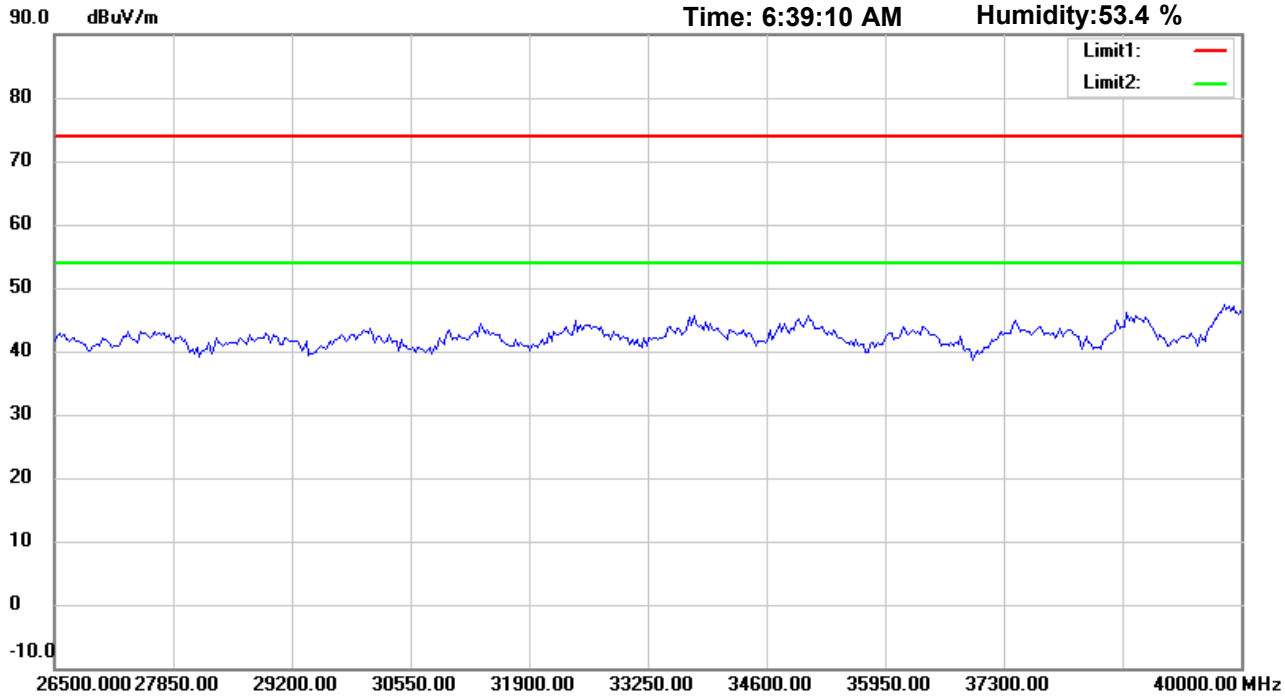
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 6:39:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

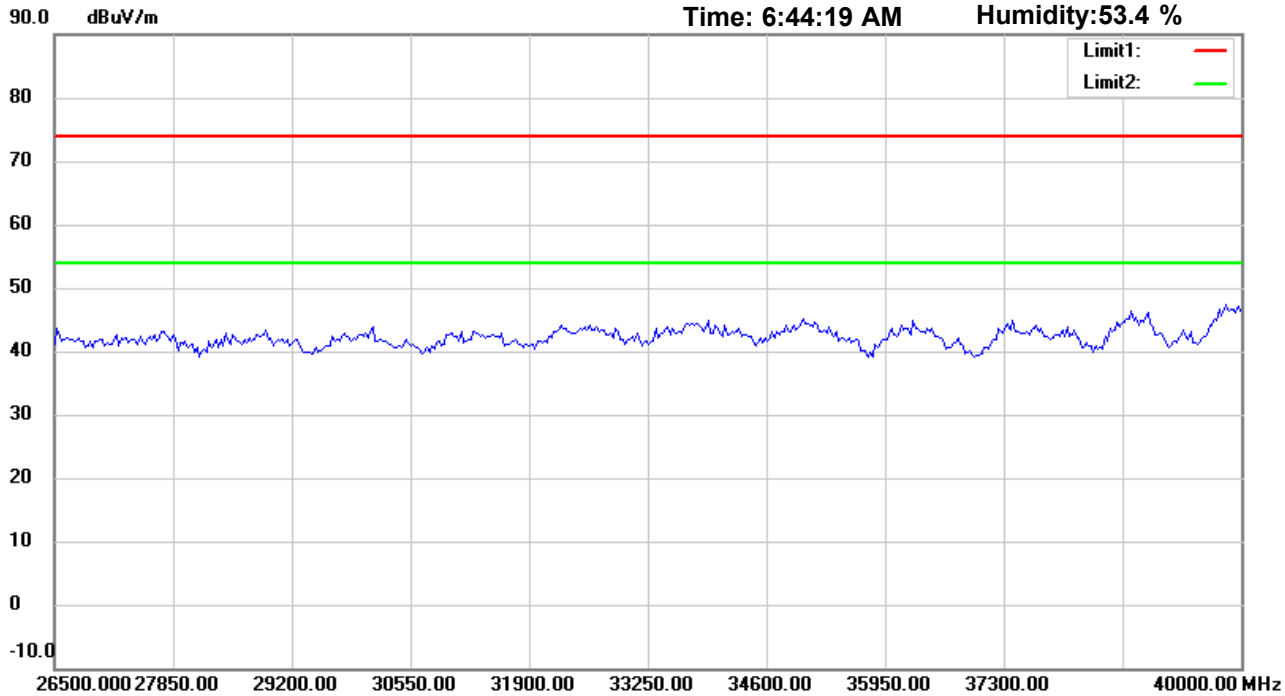
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 6:44:19 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

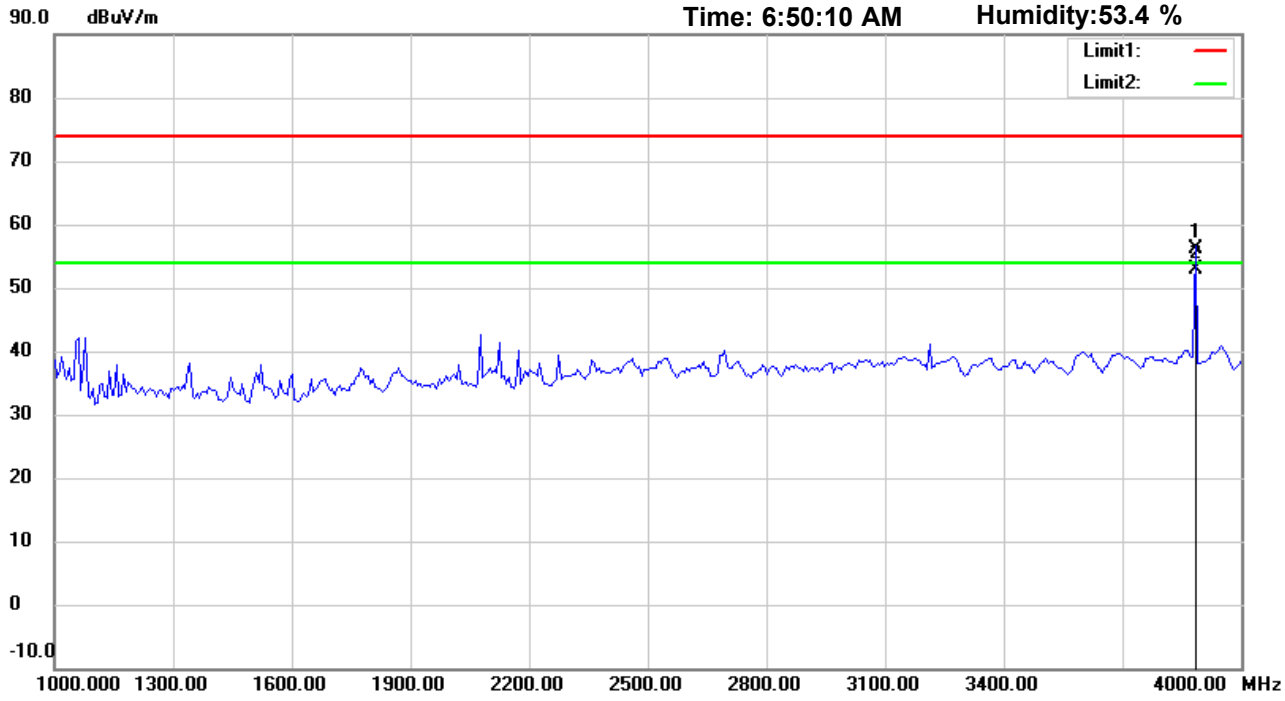
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 6:50:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
	3883.306	58.32	peak	-2.13	56.19	74.00	150	75	-17.81	
*	3883.306	55.01	AVG	-2.13	52.88	54.00	150	75	-1.12	

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

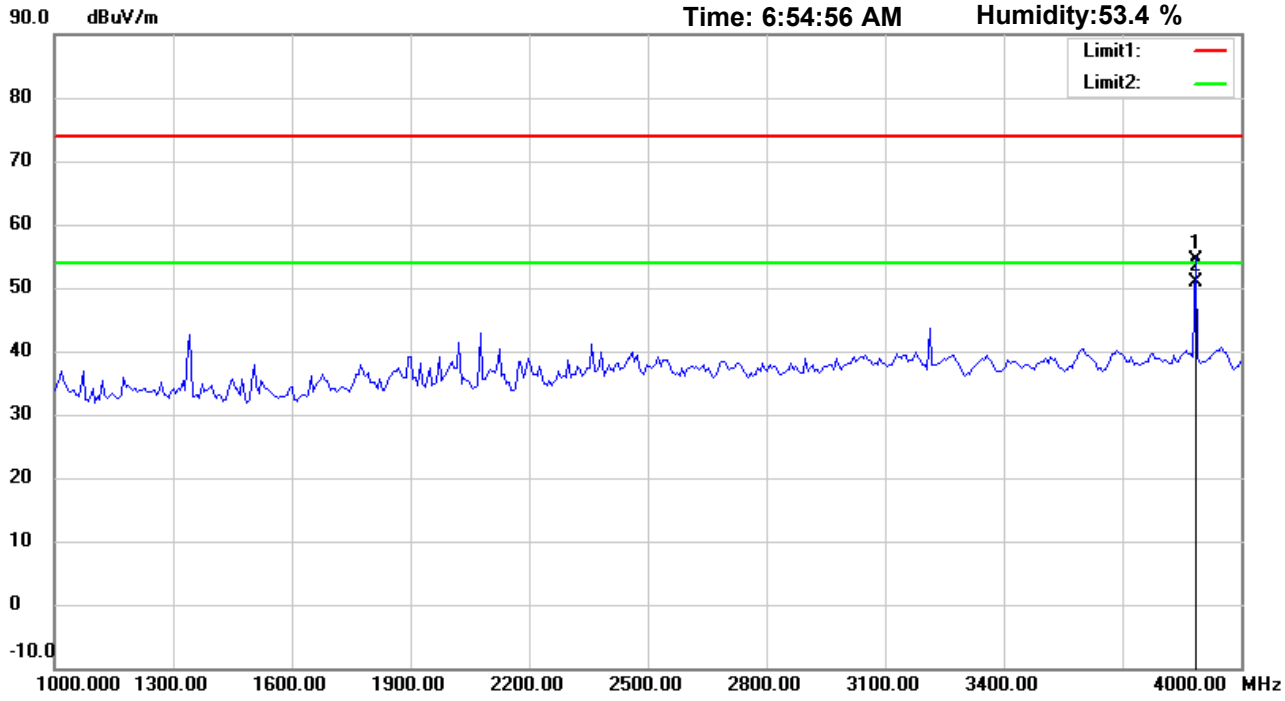
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 6:54:56 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
	3883.306	56.59	peak	-2.13	54.46	74.00	150	200	-19.54	
*	3883.306	53.10	AVG	-2.13	50.97	54.00	150	200	-3.03	

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

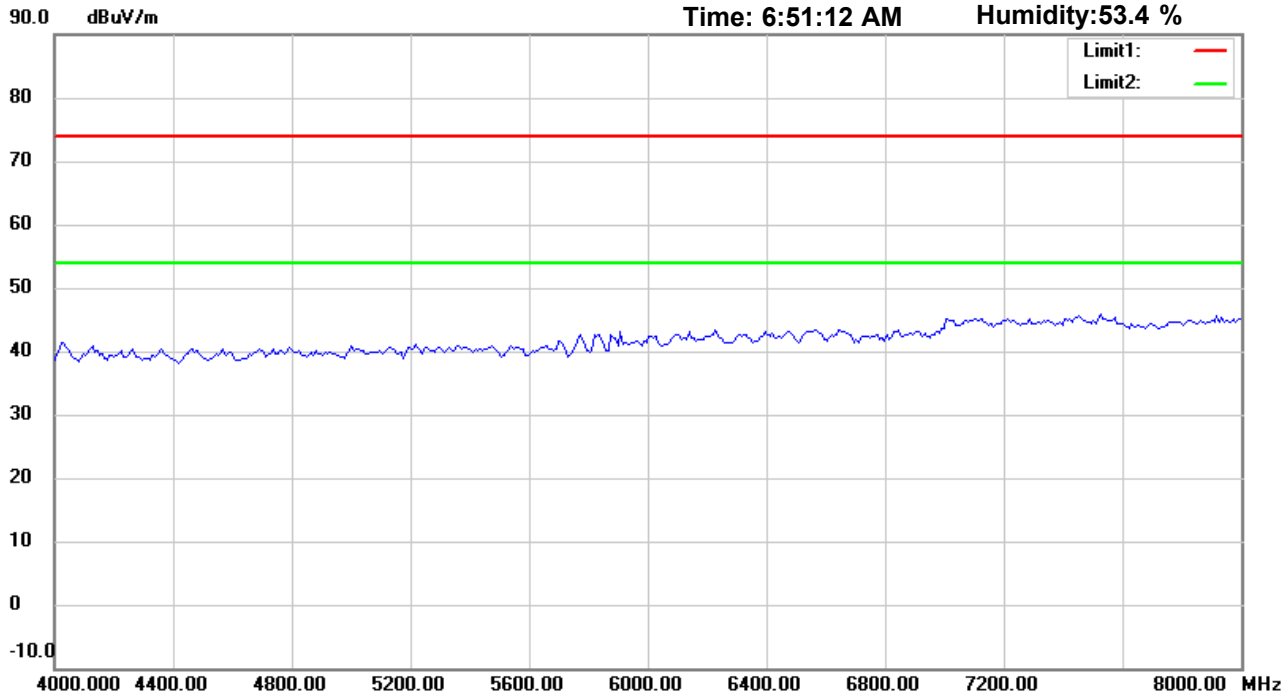
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 6:51:12 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

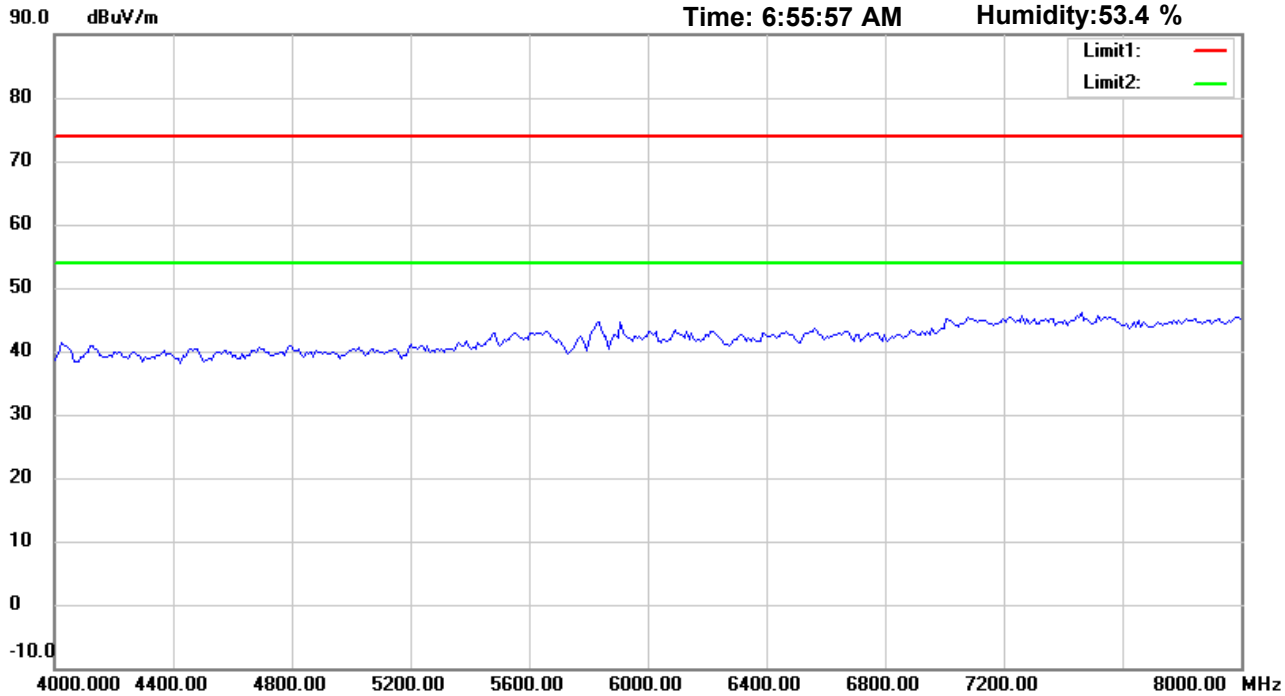
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 6:55:57 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

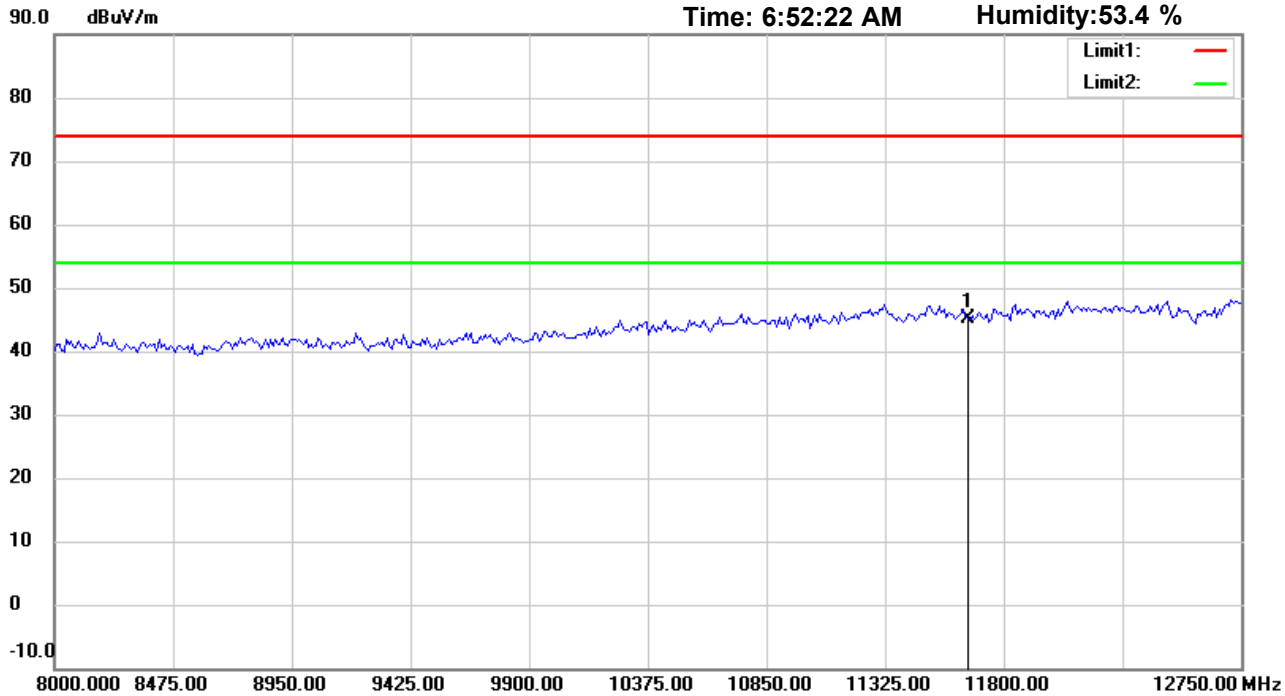
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 6:52:22 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	11650.000	34.14	peak	10.97	45.11	74.00	150	190	-28.89	

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

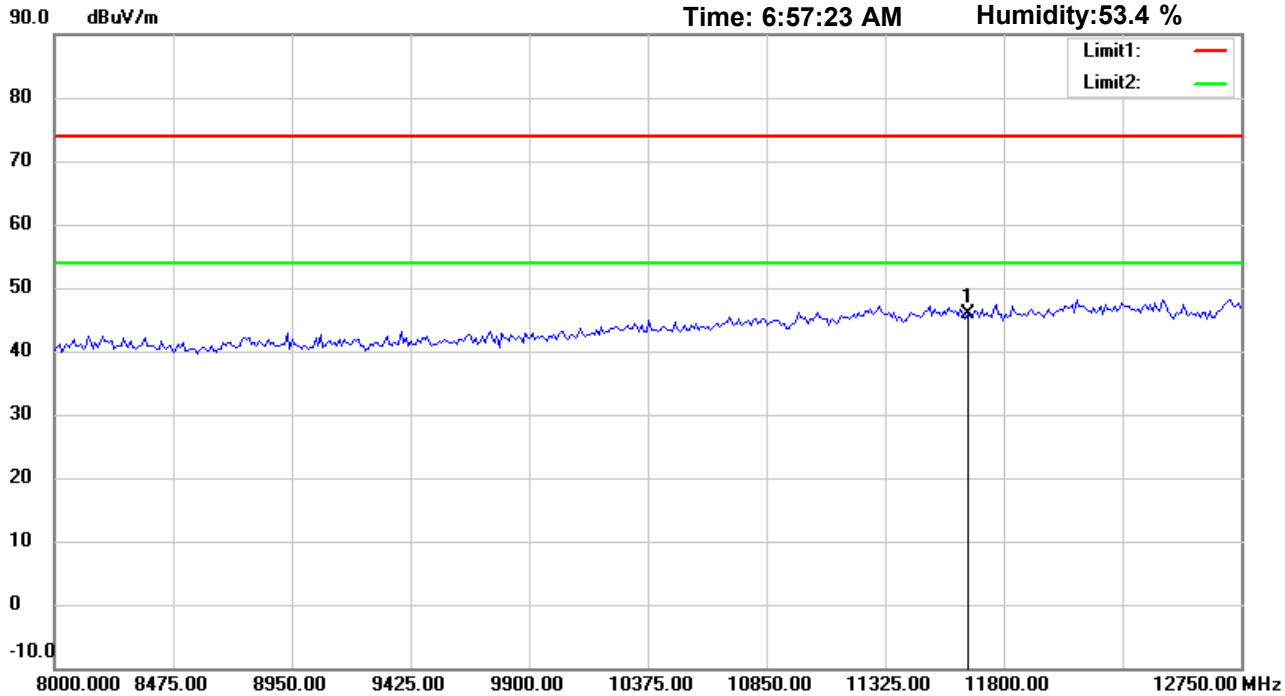
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 6:57:23 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	11650.000	34.85	peak	10.97	45.82	74.00	150	320	-28.18	

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

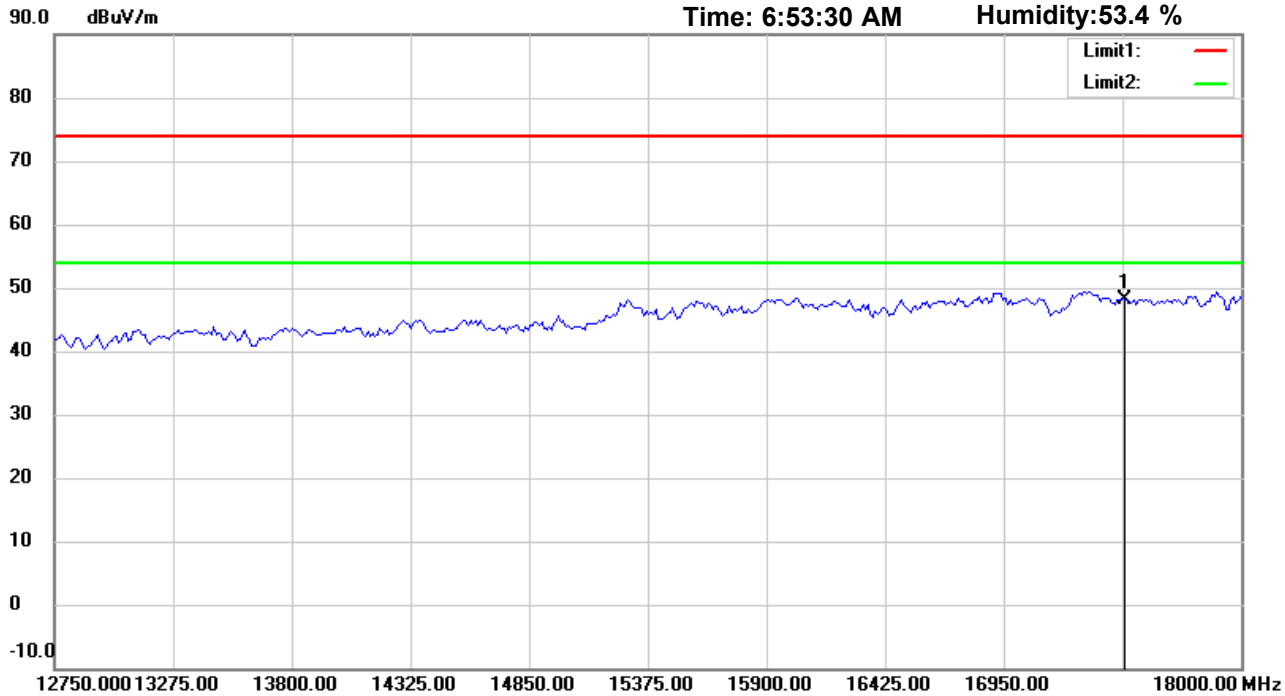
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 6:53:30 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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
*	17475.000	27.84	peak	20.33	48.17	74.00	150	315	-25.83	

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

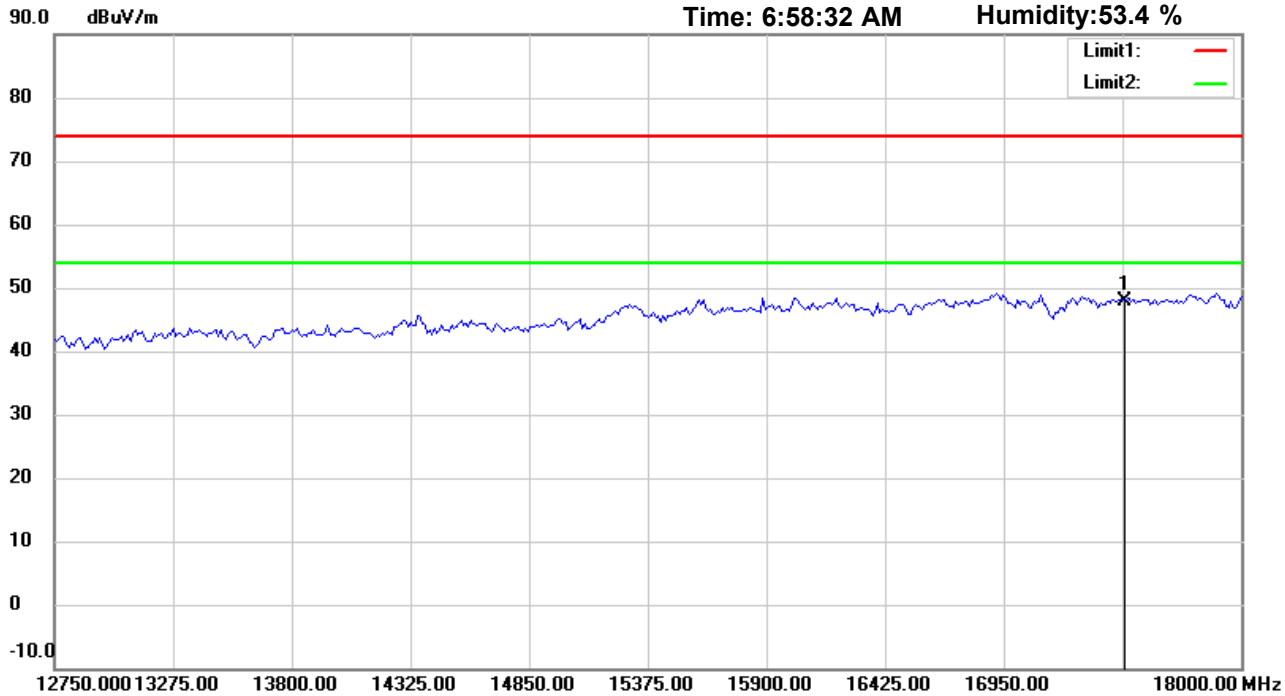
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 6:58:32 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17475.000	27.64	peak	20.33	47.97	74.00	150	0	-26.03	

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

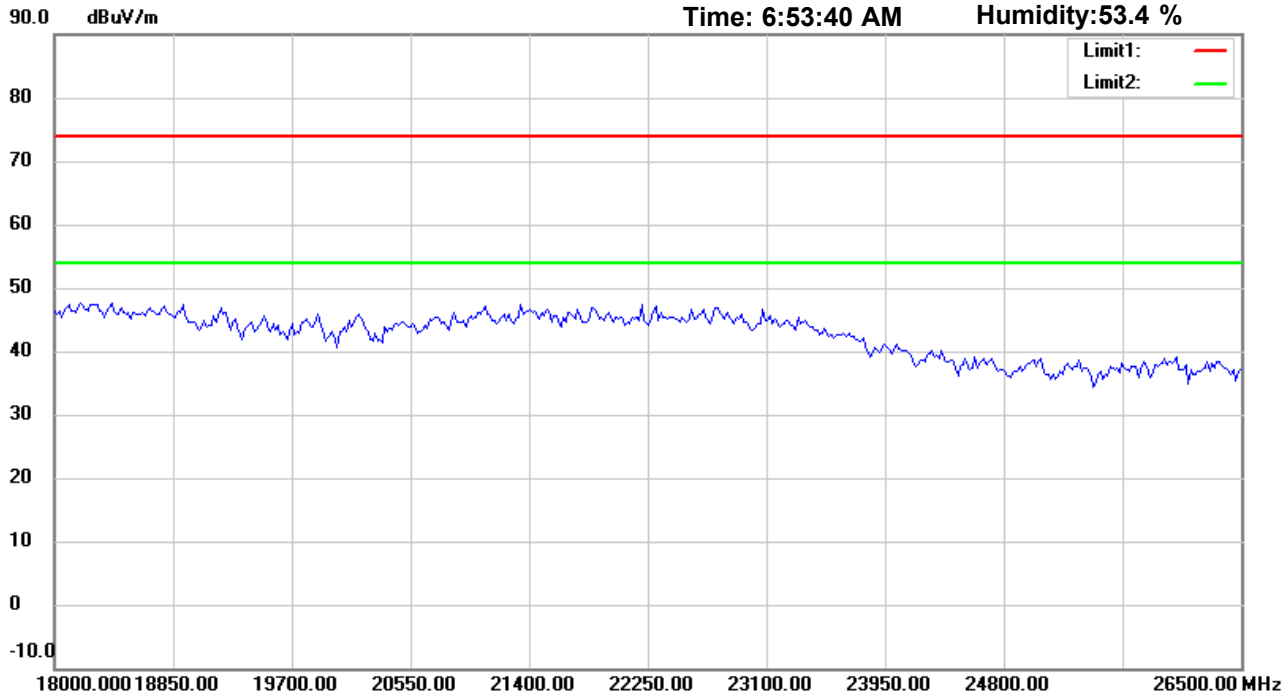
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 6:53:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

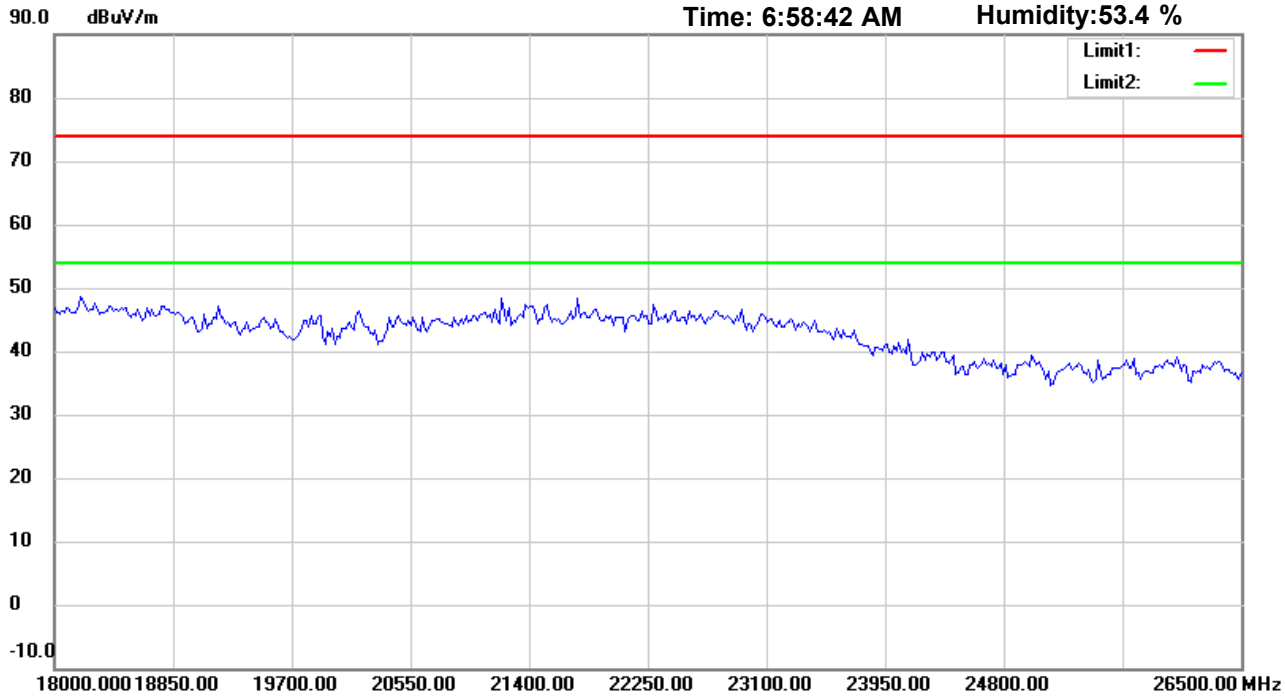
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 6:58:42 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

Note :

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

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

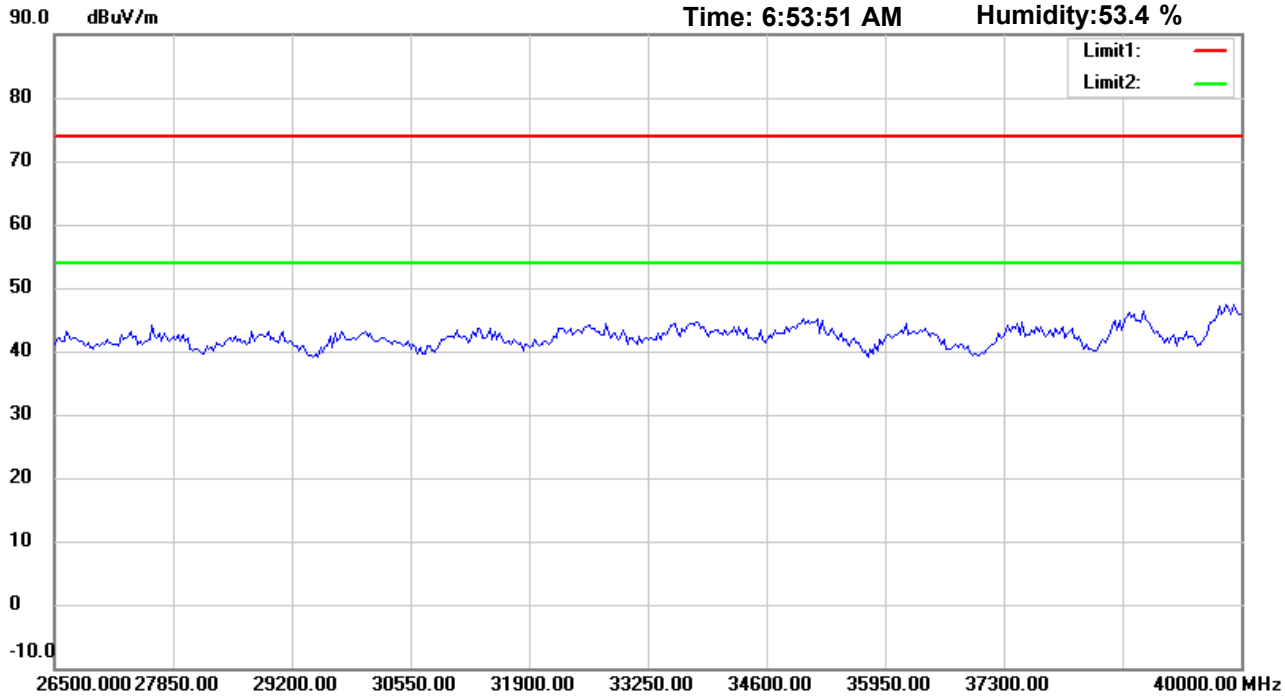
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 6:53:51 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11a CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

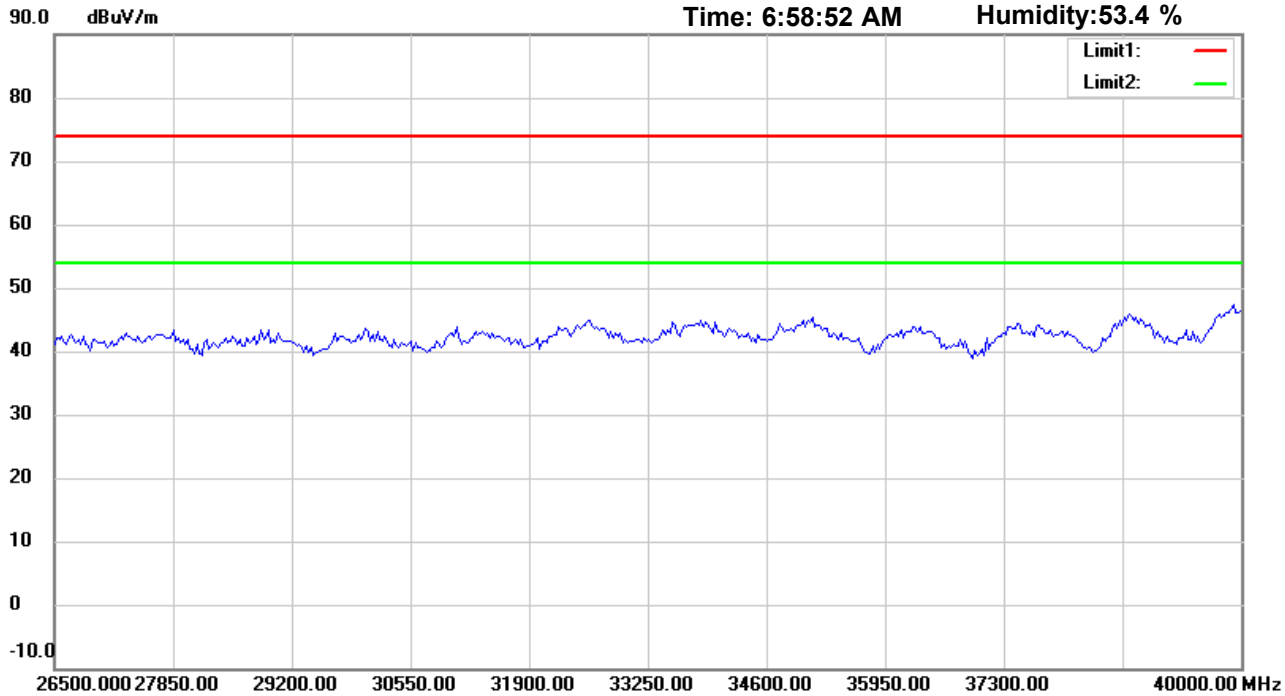
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 6:58:52 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH165

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

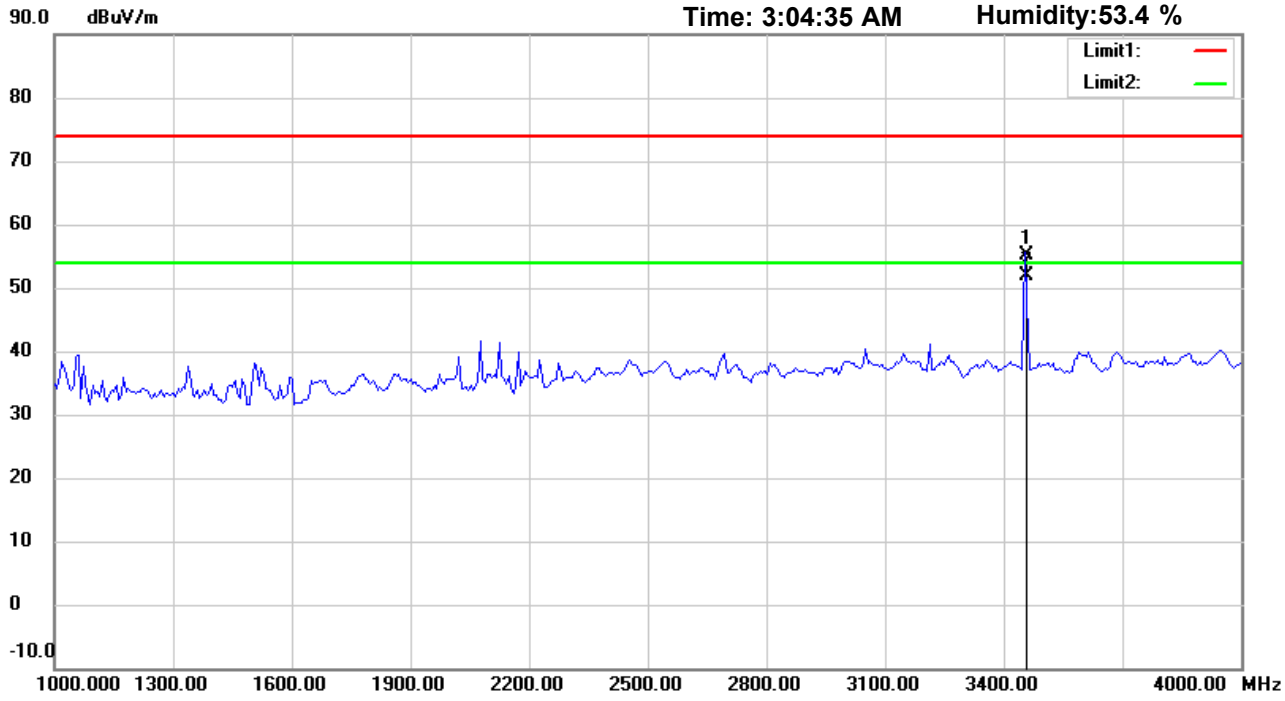
ANT1+ANT2 802.11n20

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

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 3:04:35 AM Temperature:21.5 ℃ Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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
	3453.272	58.98	peak	-3.75	55.23	74.00	150	230	-18.77	
*	3453.272	55.74	AVG	-3.75	51.99	54.00	150	230	-2.01	

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

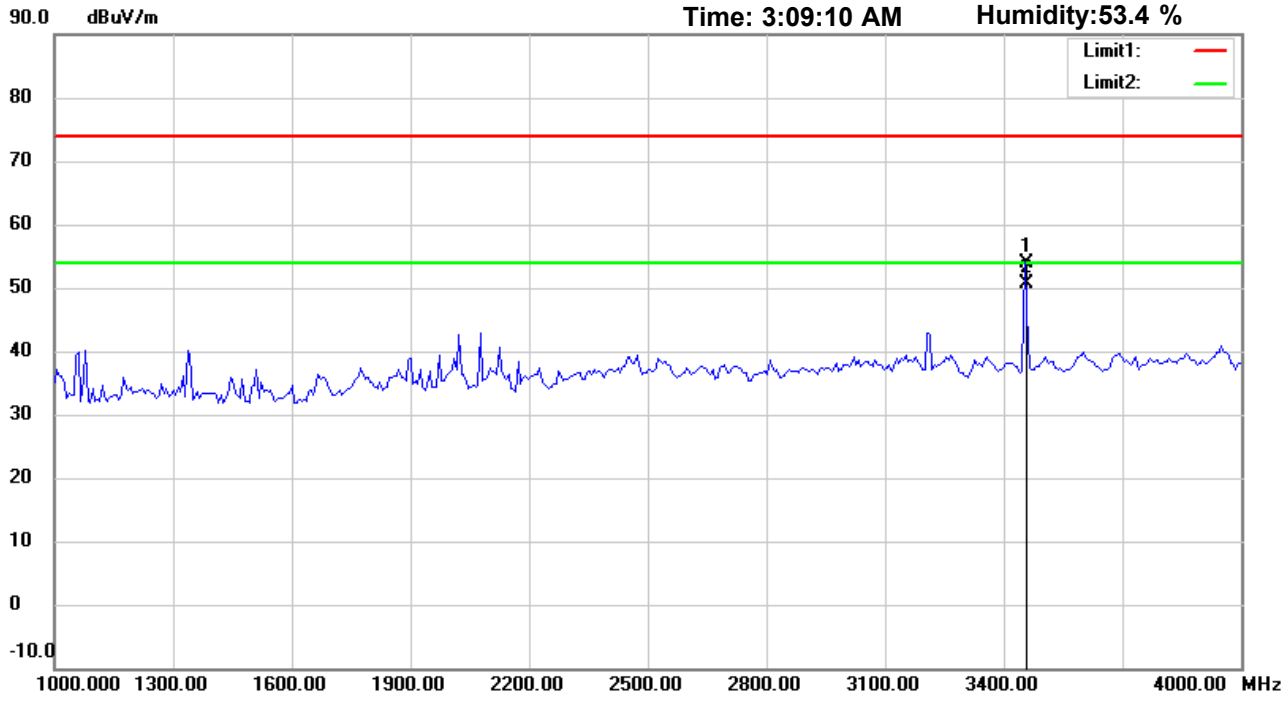
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 3:09:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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
	3453.348	57.65	peak	-3.75	53.90	74.00	150	110	-20.10	
*	3453.348	54.38	AVG	-3.75	50.63	54.00	150	110	-3.37	

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

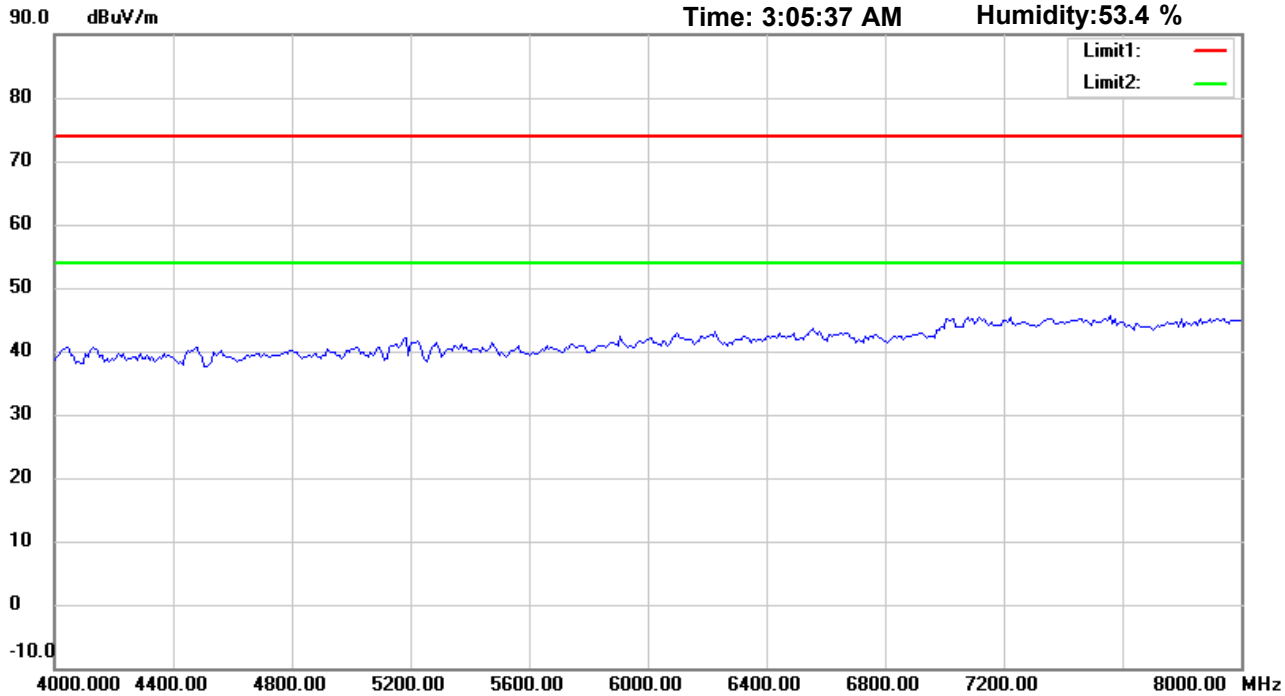
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 3:05:37 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

Note :

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

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

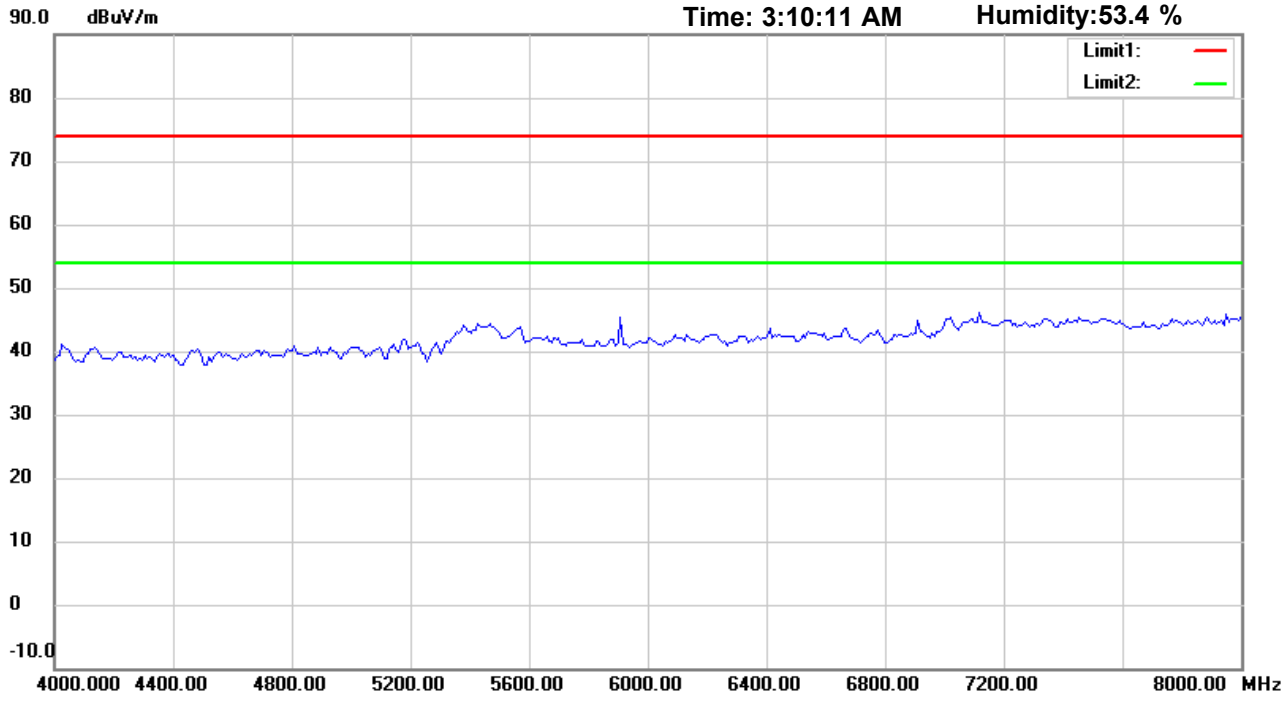
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 3:10:11 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

Note :

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

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

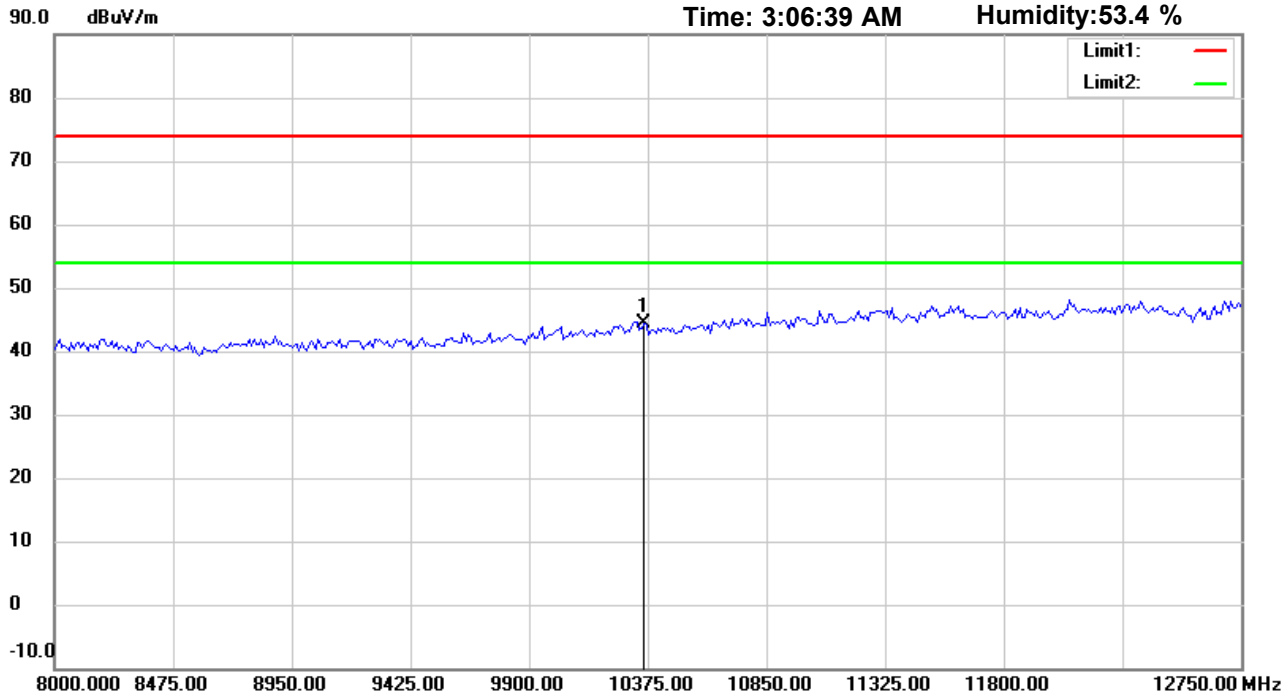
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 3:06:39 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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
*	10360.000	36.11	peak	8.23	44.34	74.00	150	5	-29.66	

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

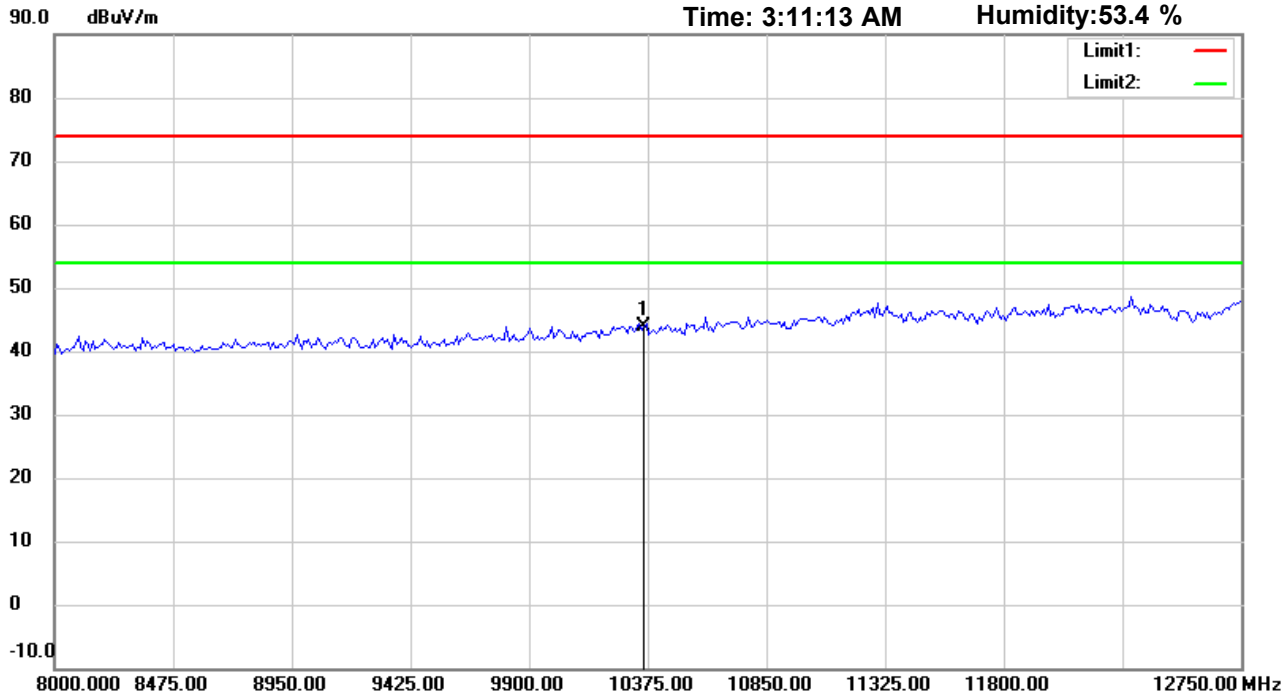
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 3:11:13 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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
*	10360.000	35.73	peak	8.23	43.96	74.00	150	40	-30.04	

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

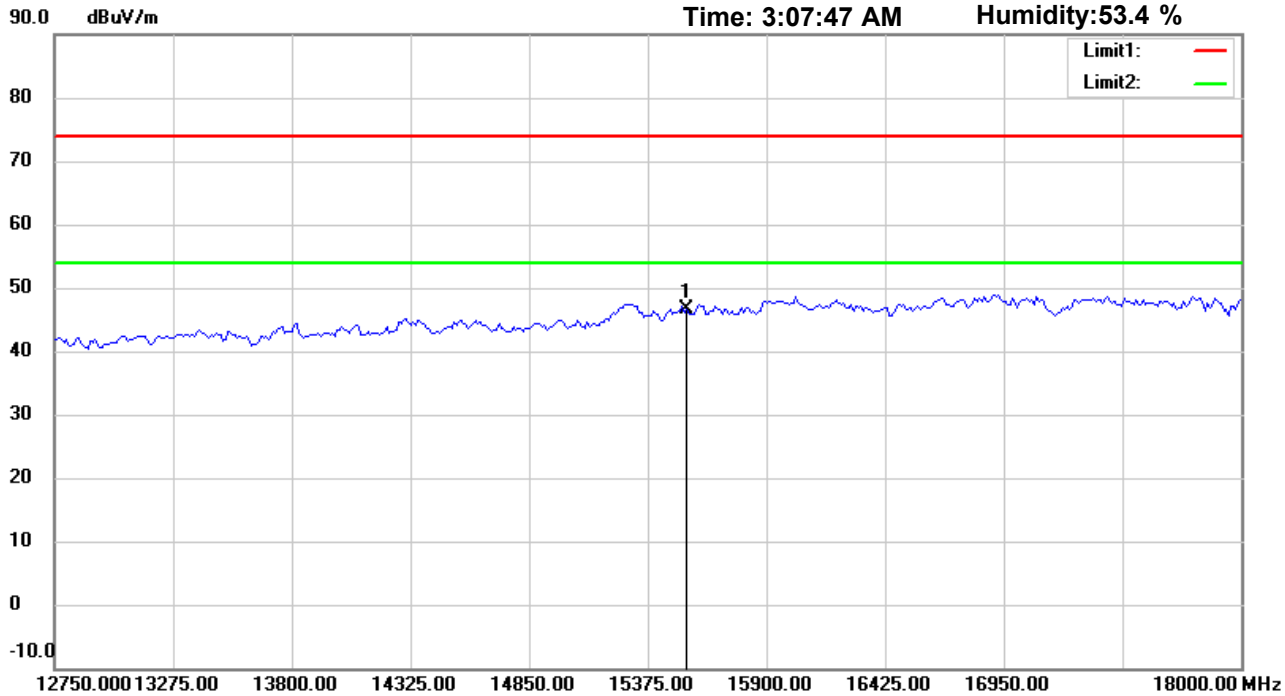
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 3:07:47 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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
*	15540.000	27.61	peak	18.95	46.56	74.00	150	265	-27.44	

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

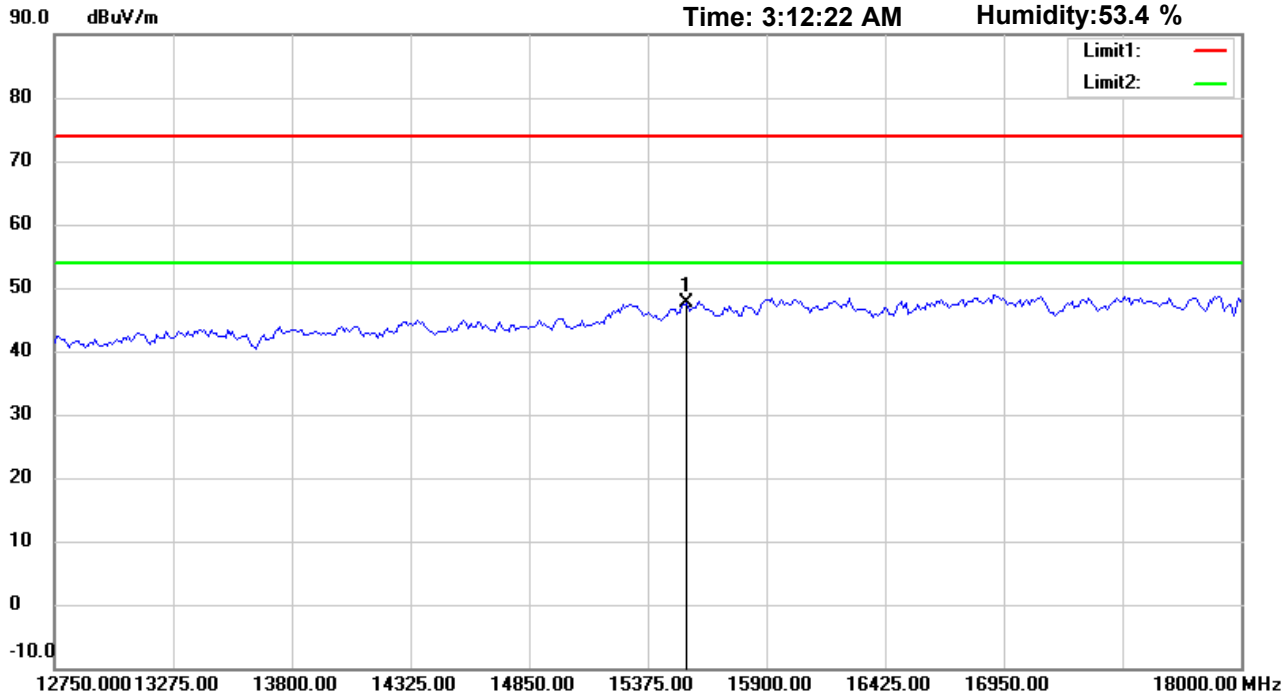
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 3:12:22 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH36
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15540.000	28.73	peak	18.95	47.68	74.00	150	135	-26.32	

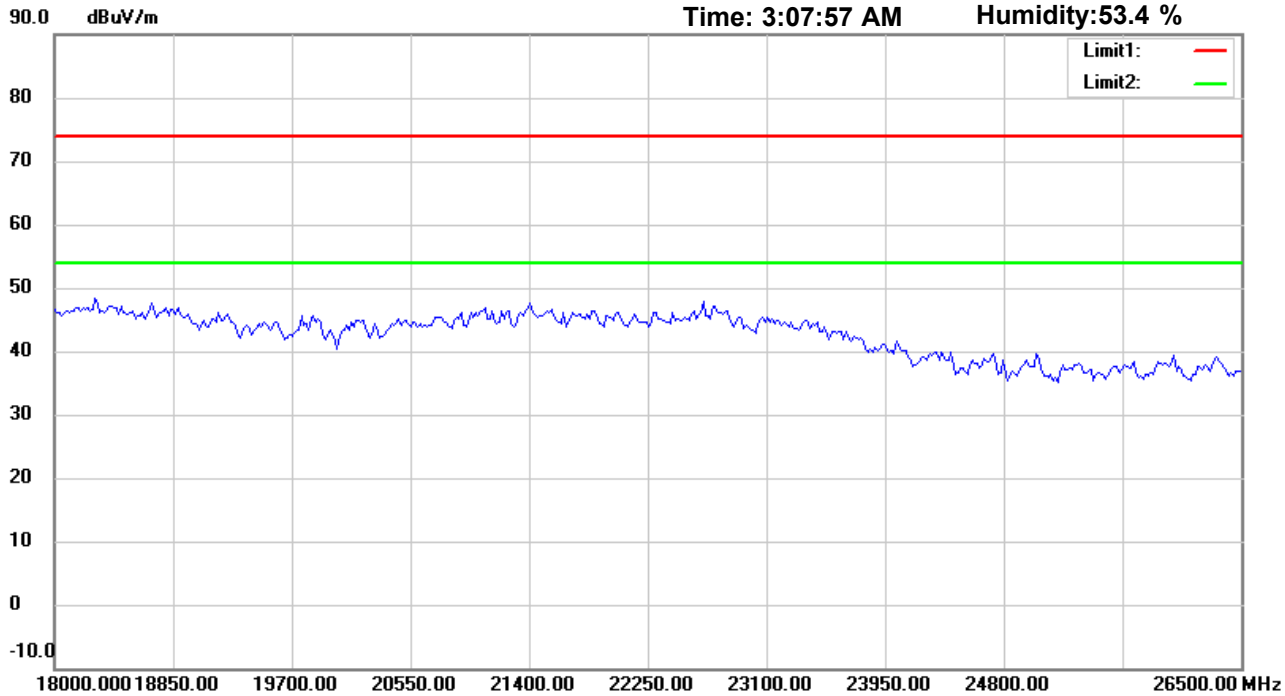
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#5 | Date: 12/28/2019 | Time: 3:07:57 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH36

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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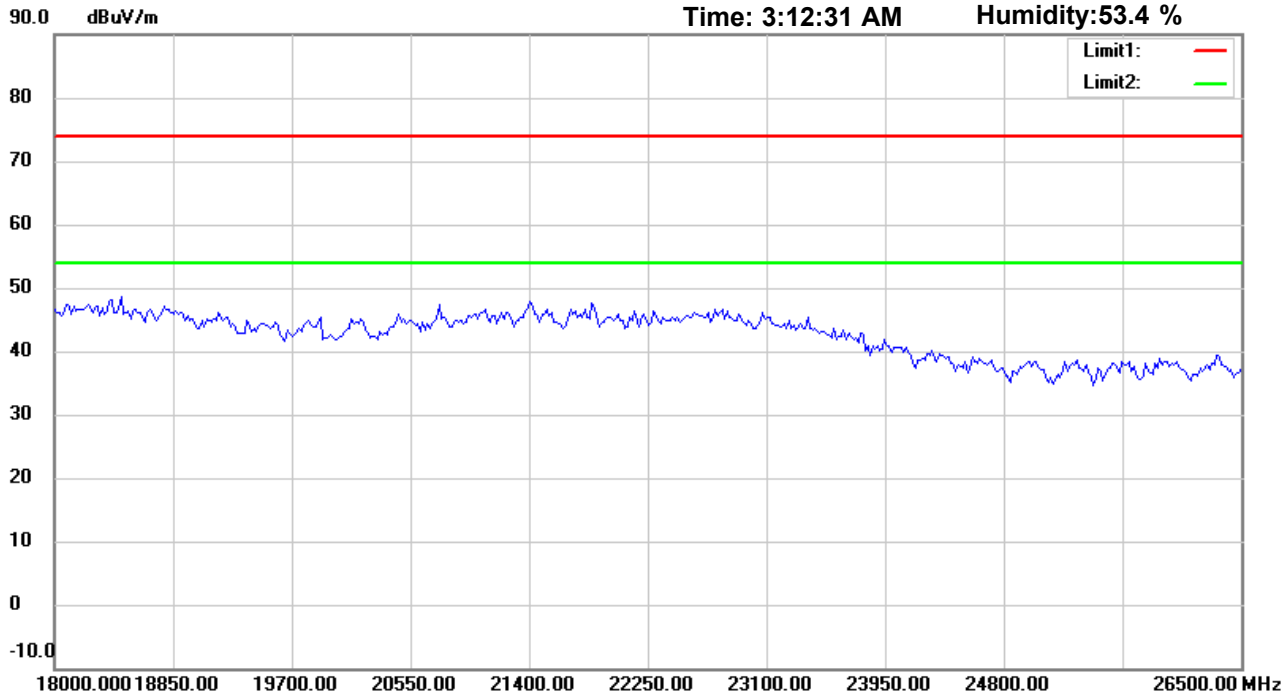
Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 12/28/2019 Time: 3:12:31 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH36
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

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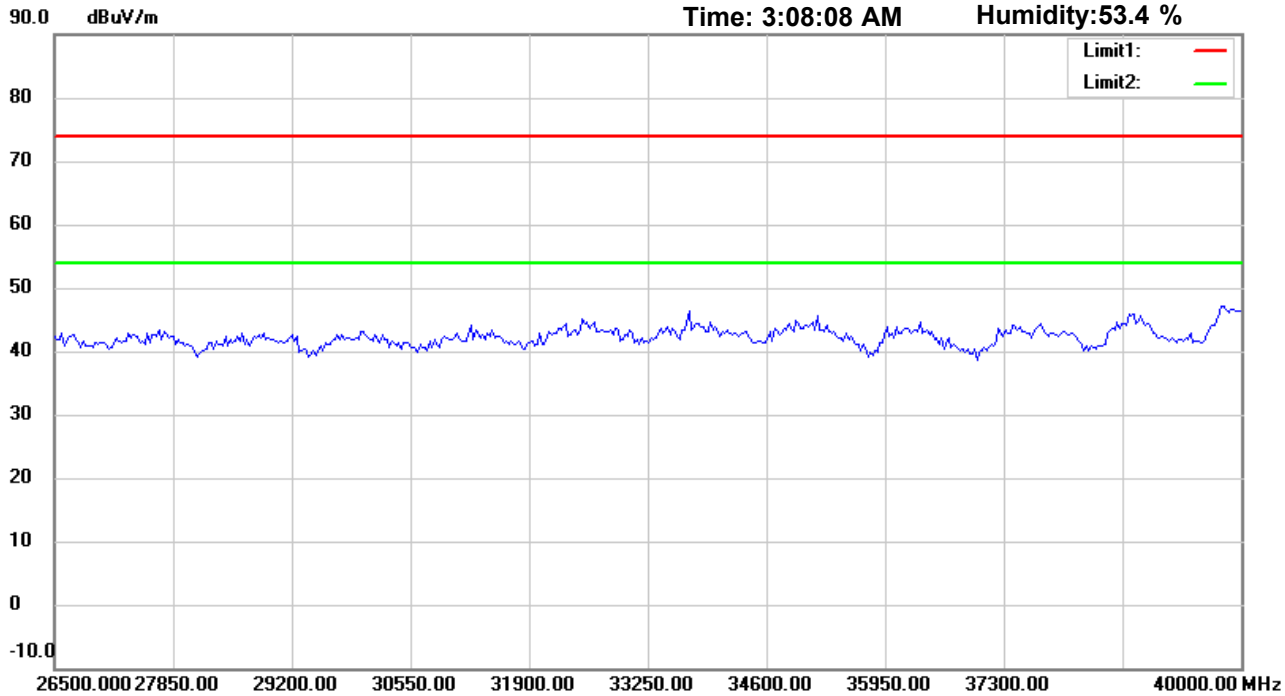
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 3:08:08 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH36
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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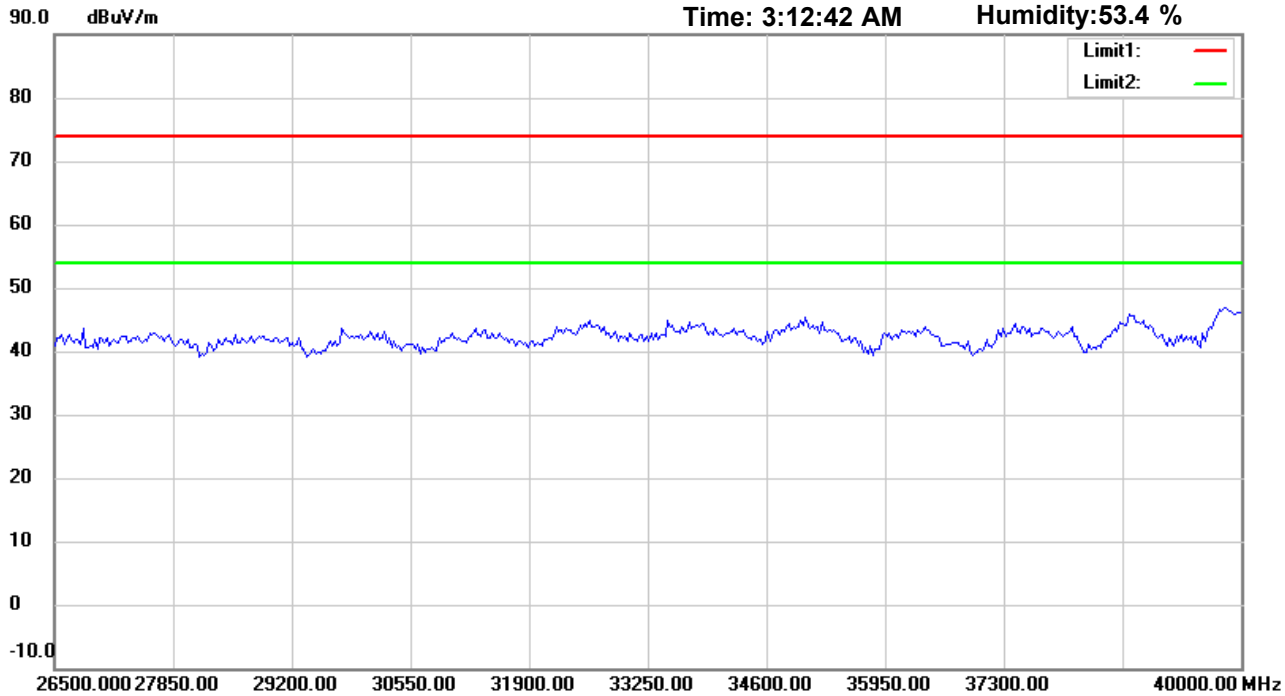
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 3:12:42 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH36
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

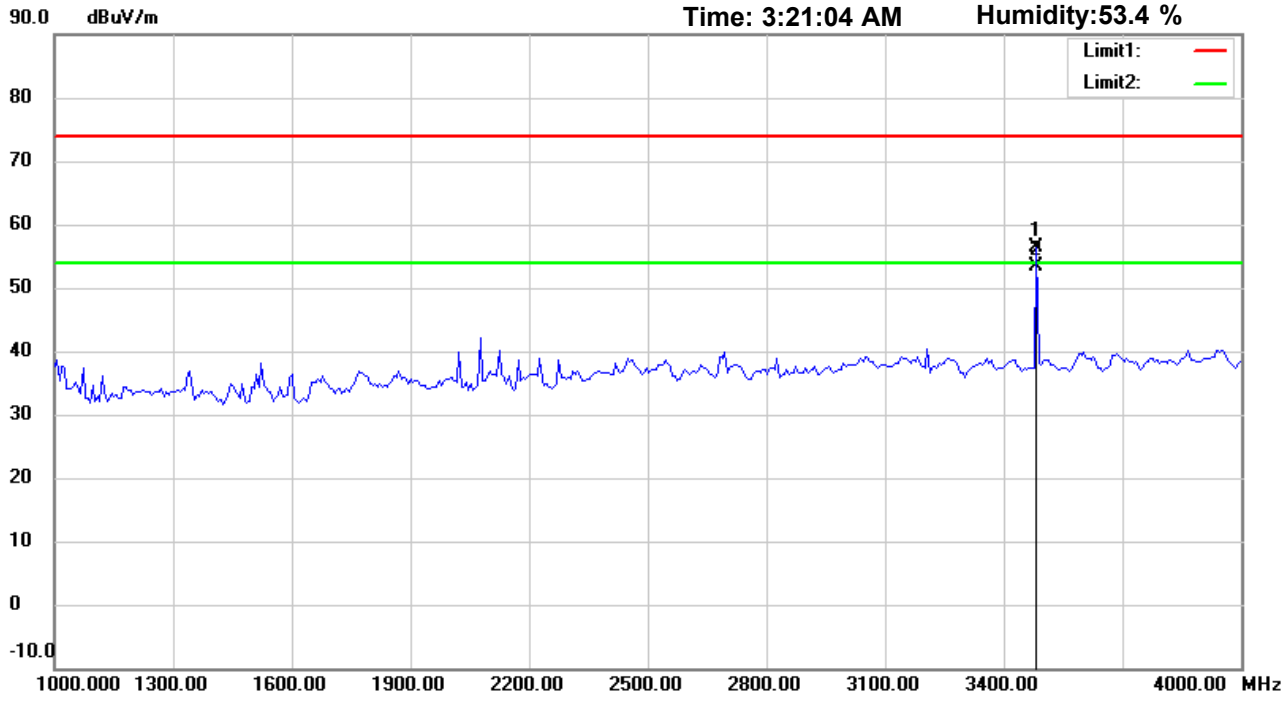
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 3:21:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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
	3480.120	60.19	peak	-3.73	56.46	74.00	150	315	-17.54	
*	3480.120	57.03	AVG	-3.73	53.30	54.00	150	315	-0.70	

*: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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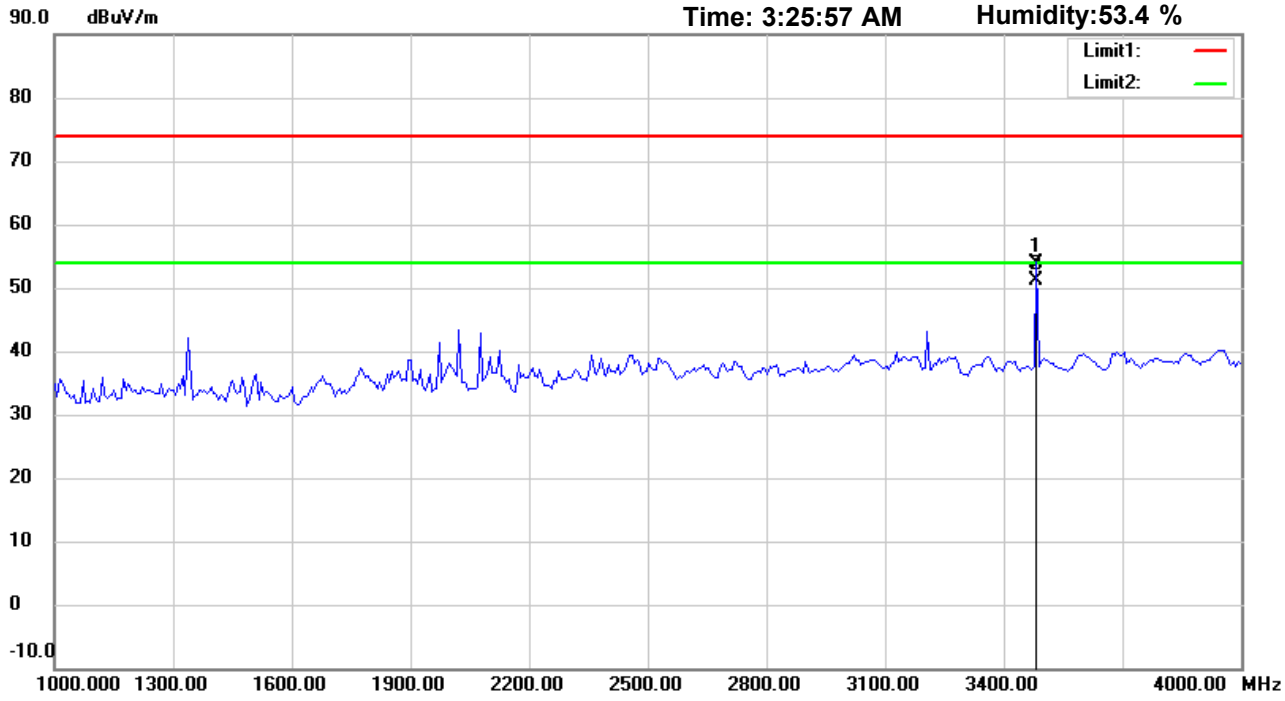
Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 3:25:57 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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
	3480.120	57.65	peak	-3.73	53.92	74.00	150	320	-20.08	
*	3480.120	54.93	AVG	-3.73	51.20	54.00	150	320	-2.80	

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

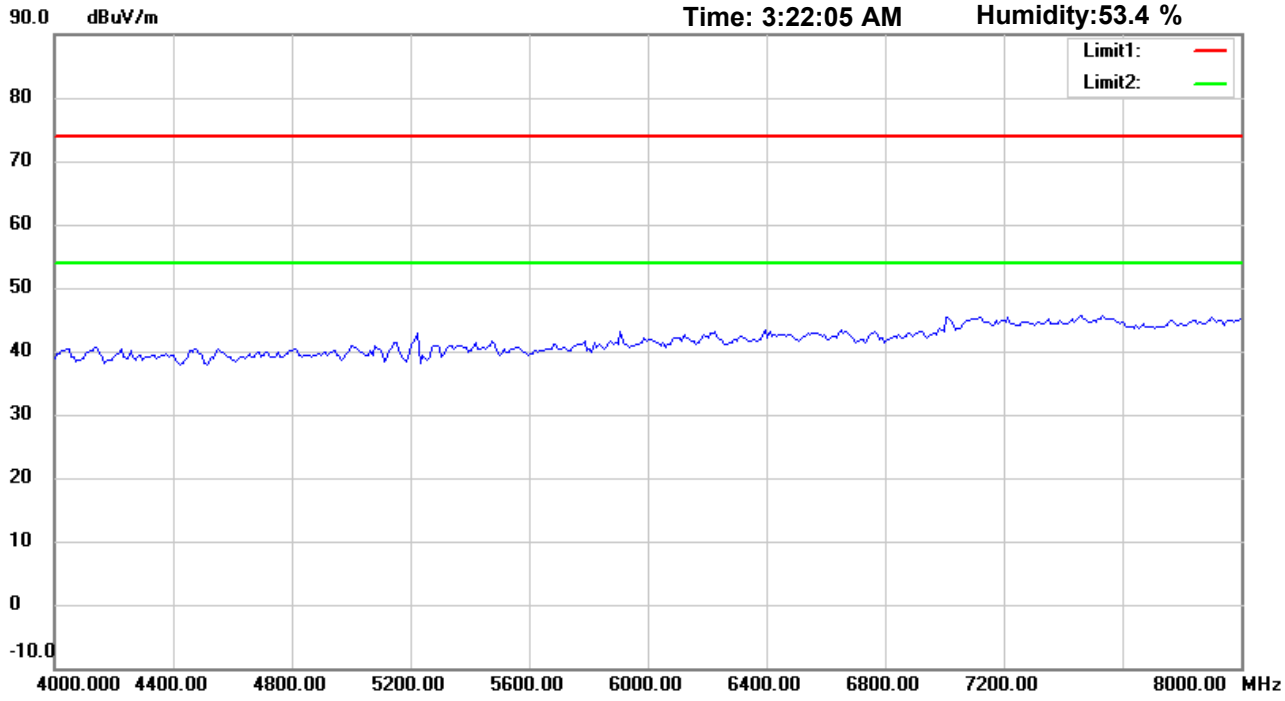
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 3:22:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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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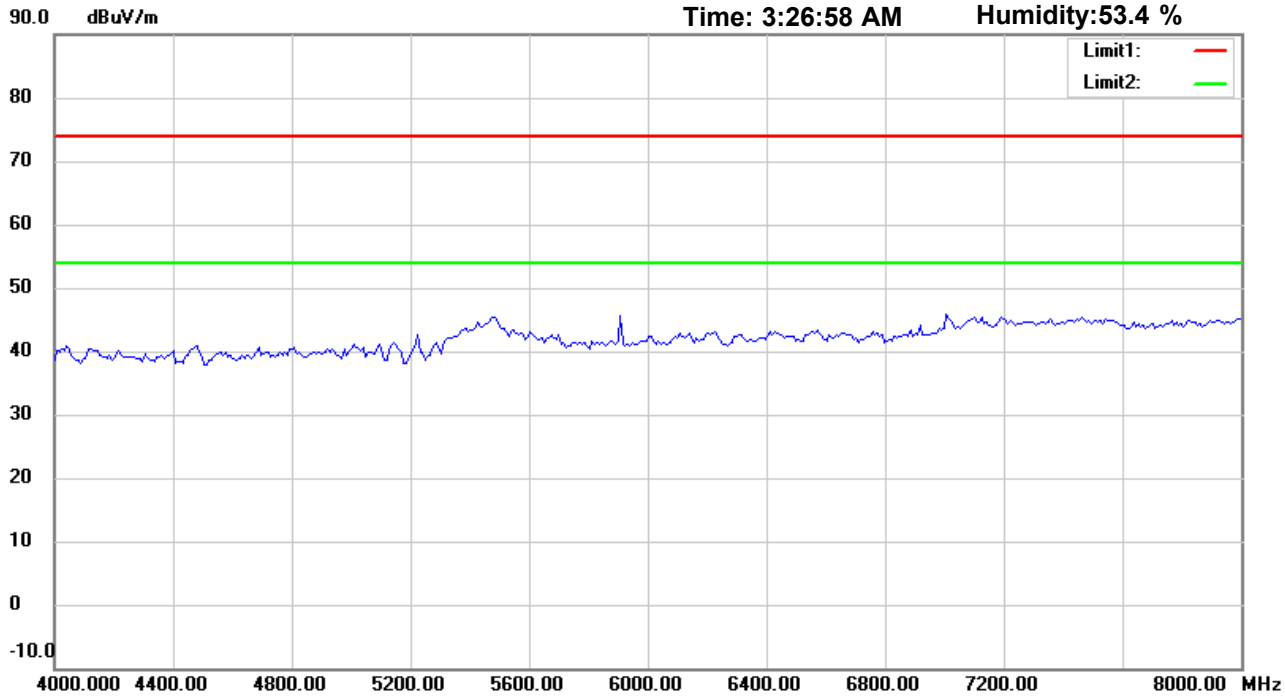
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 3:26:58 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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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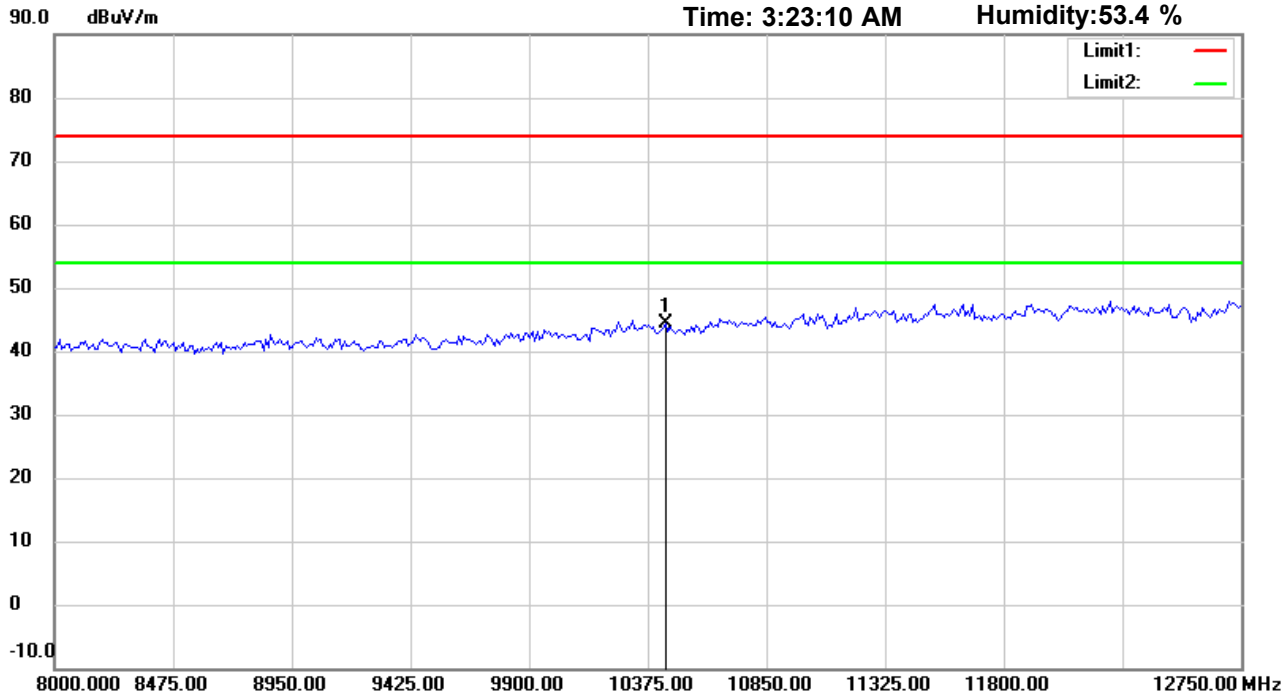
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 3:23:10 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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
*	10440.000	35.97	peak	8.33	44.30	74.00	150	190	-29.70	

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

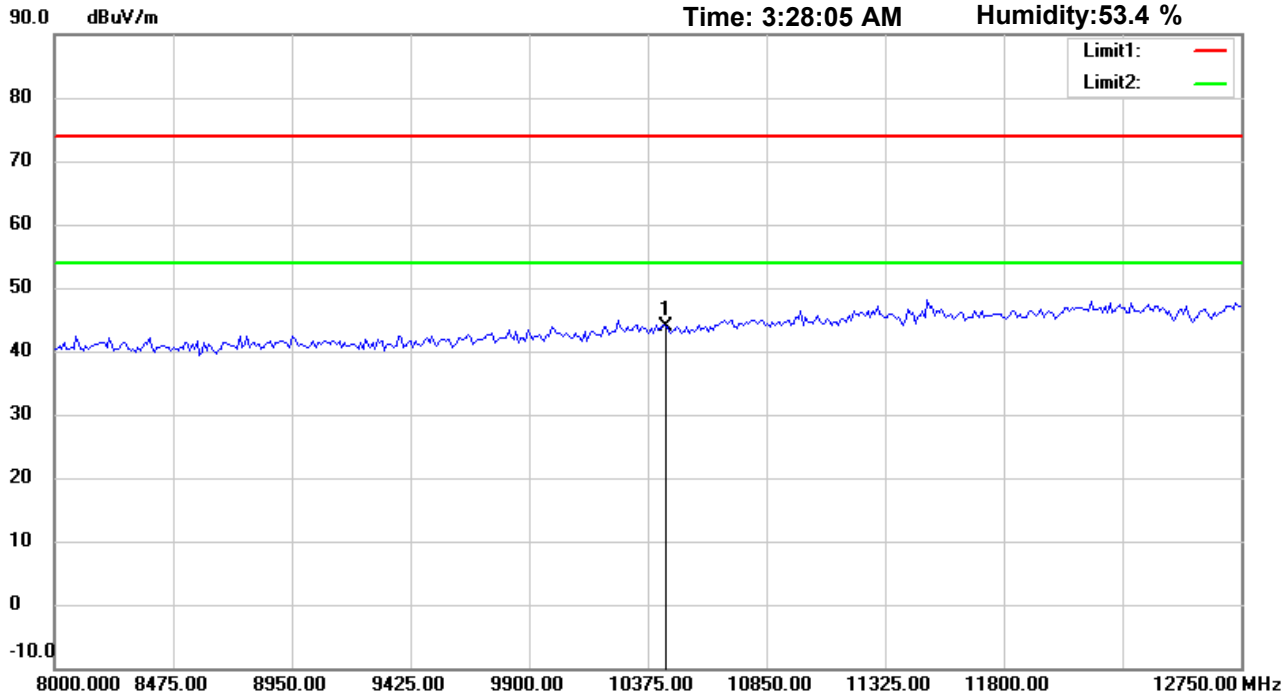
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 3:28:05 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH44
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10440.000	35.49	peak	8.33	43.82	74.00	150	295	-30.18	

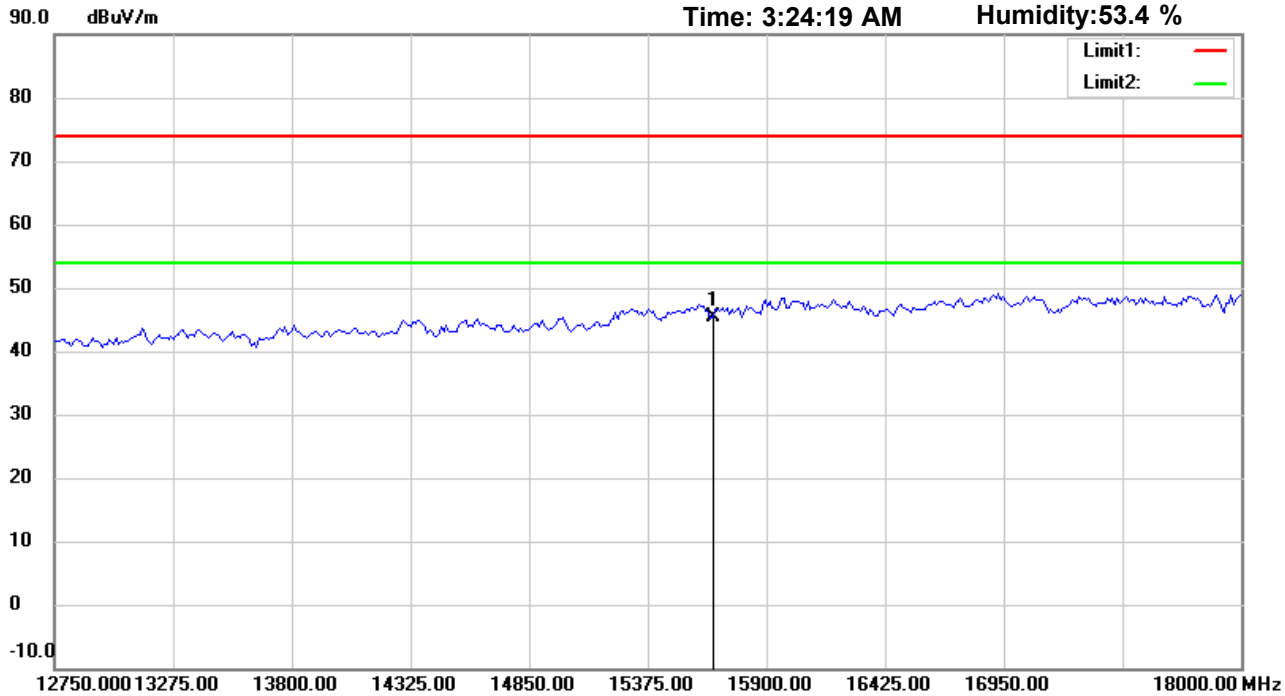
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#4 | Date: 12/28/2019 | Time: 3:24:19 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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
*	15660.000	27.09	peak	18.33	45.42	74.00	150	305	-28.58	

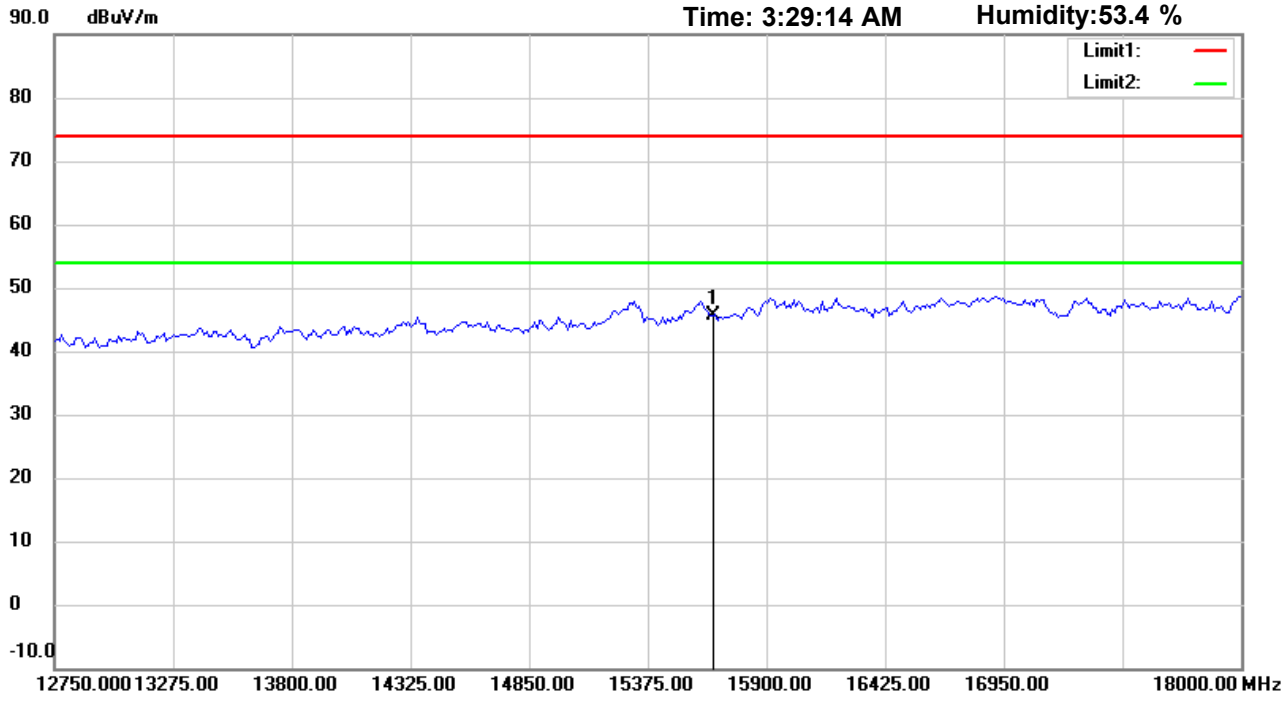
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 3:29:14 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

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
*	15660.000	27.38	peak	18.33	45.71	74.00	150	80	-28.29	

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

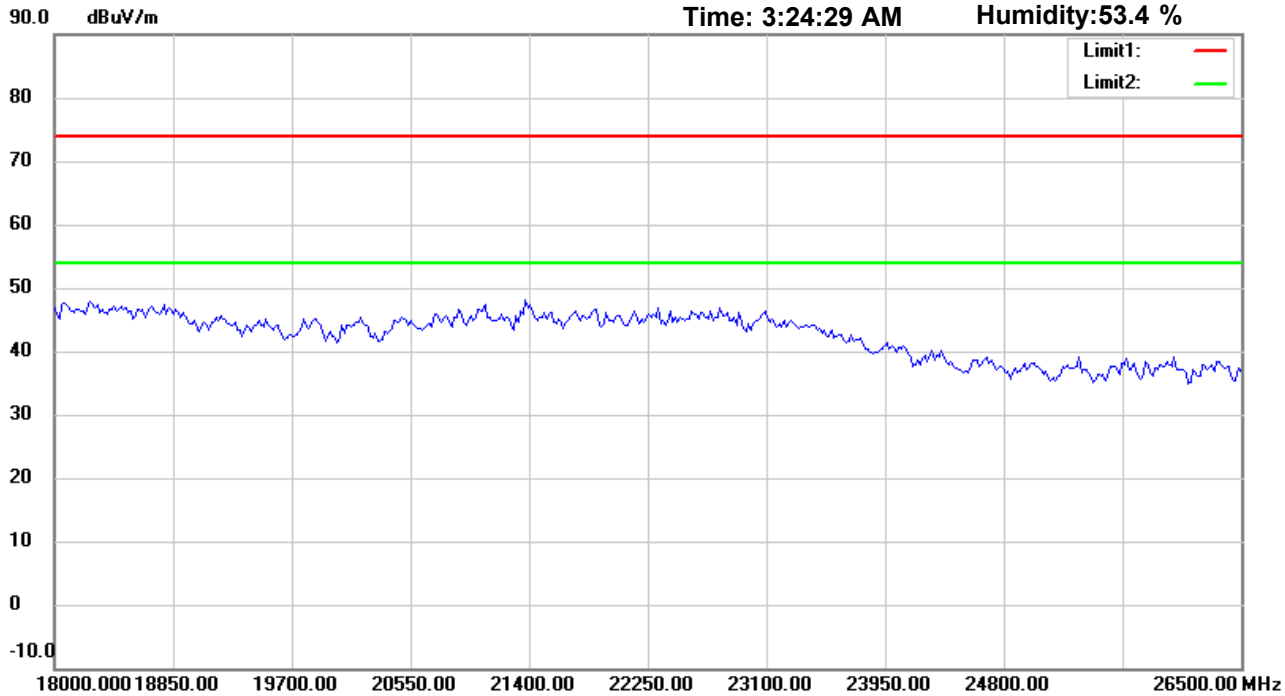
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 3:24:29 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

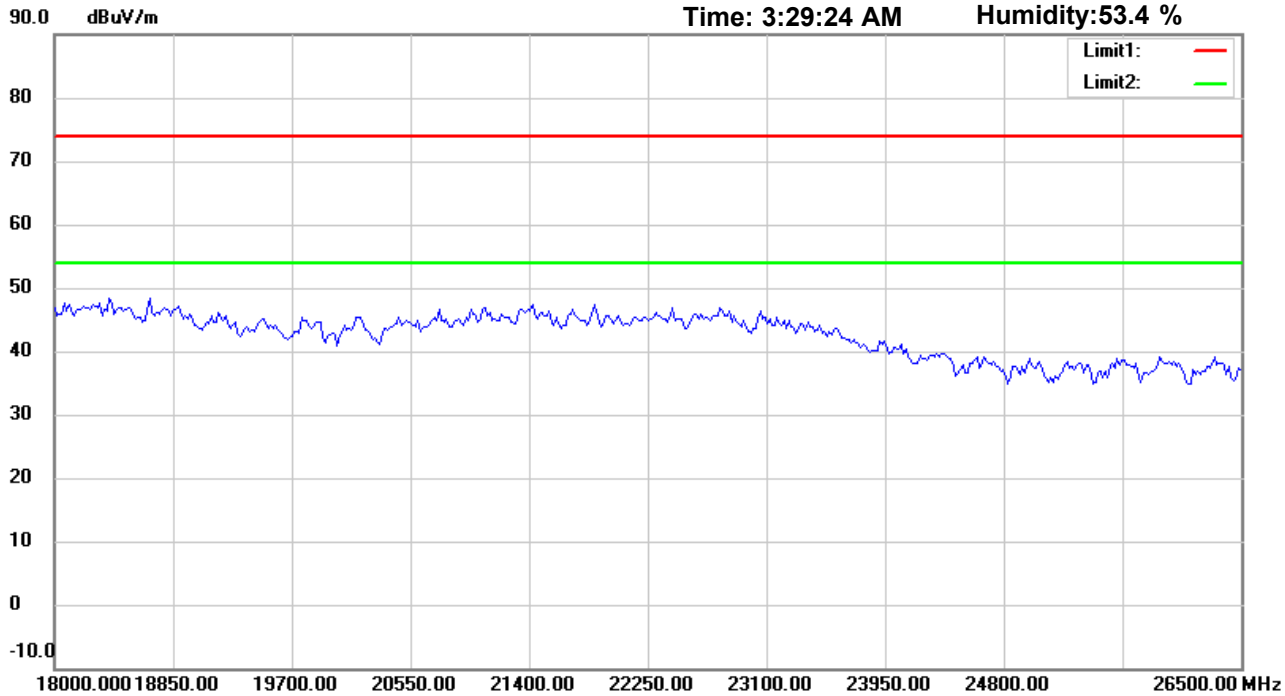
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 3:29:24 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

Note :

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

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

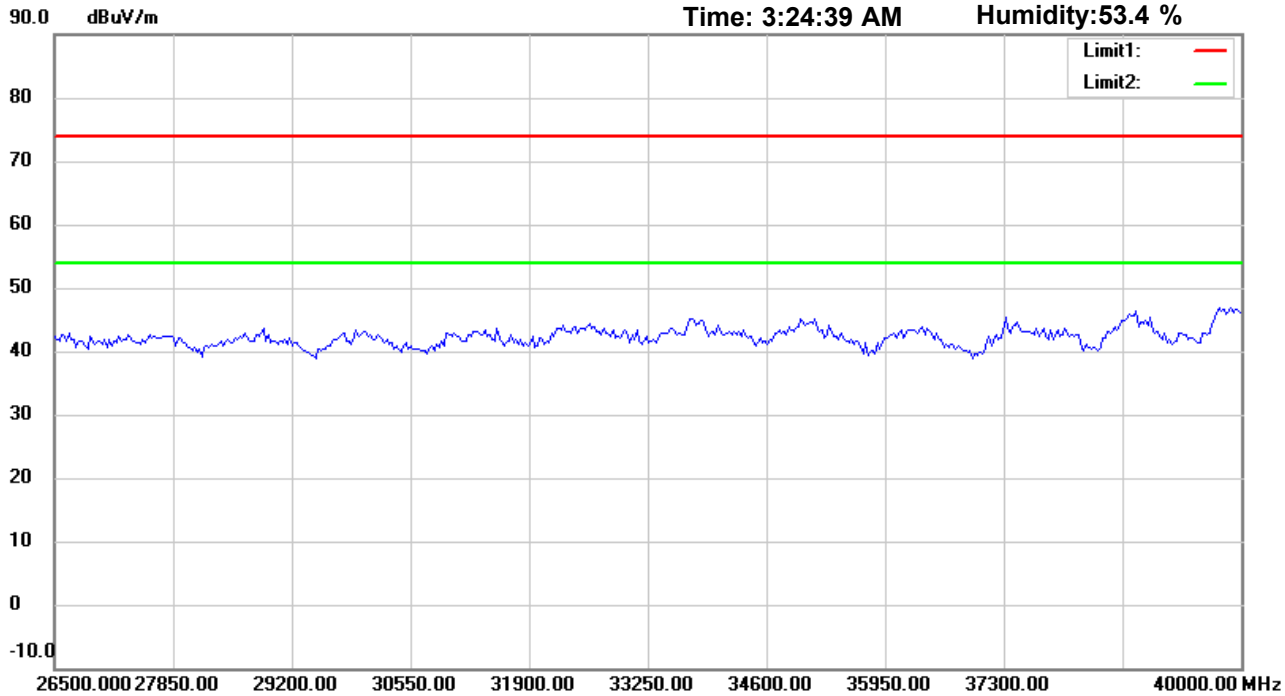
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 3:24:39 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH44
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

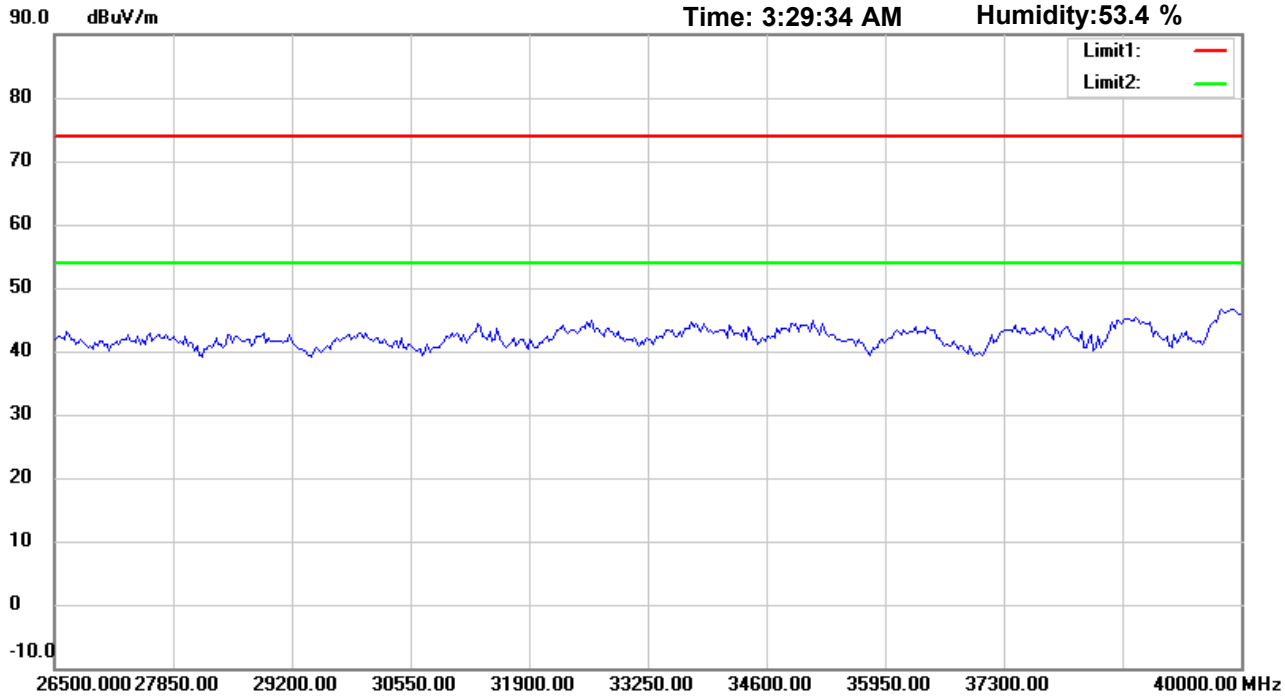
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 3:29:34 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH44

Note :

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

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

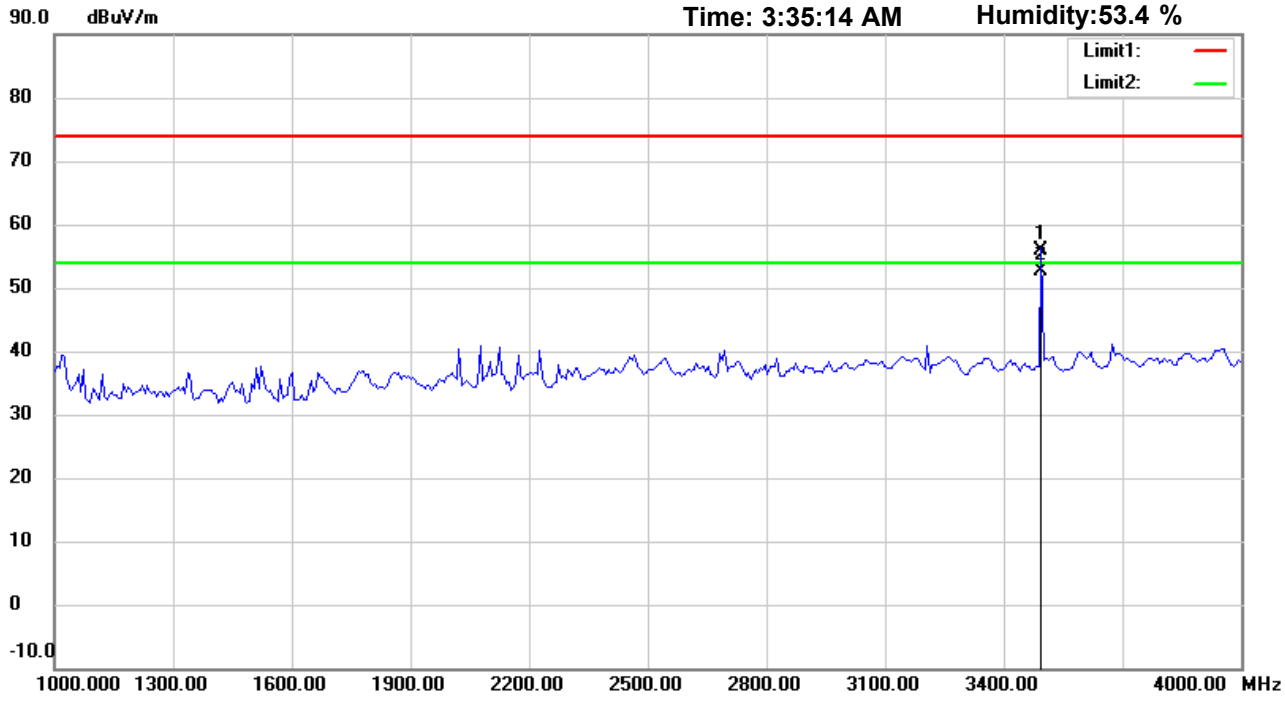
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 3:35:14 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3493.266	59.72	peak	-3.72	56.00	74.00	150	155	-18.00	
*	3493.266	56.40	AVG	-3.72	52.68	54.00	150	155	-1.32	

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

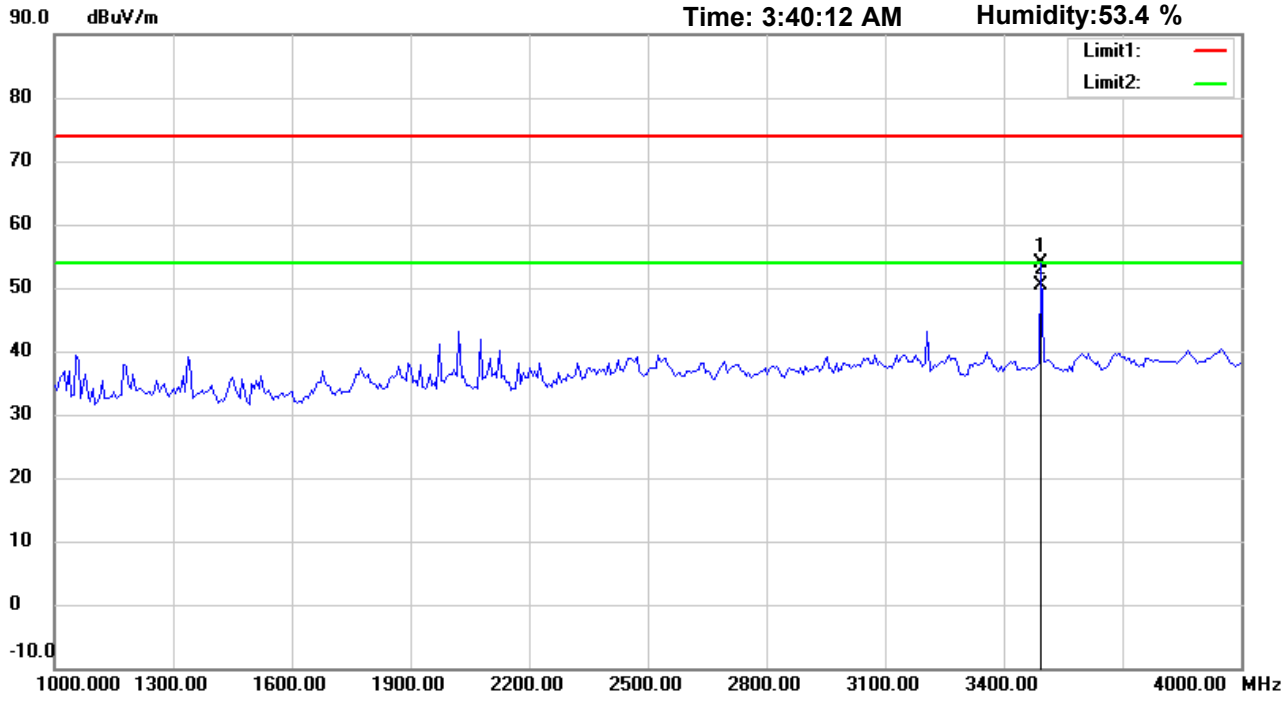
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 3:40:12 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

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
	3493.266	57.60	peak	-3.72	53.88	74.00	150	145	-20.12	
*	3493.266	54.03	AVG	-3.72	50.31	54.00	150	145	-3.69	

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

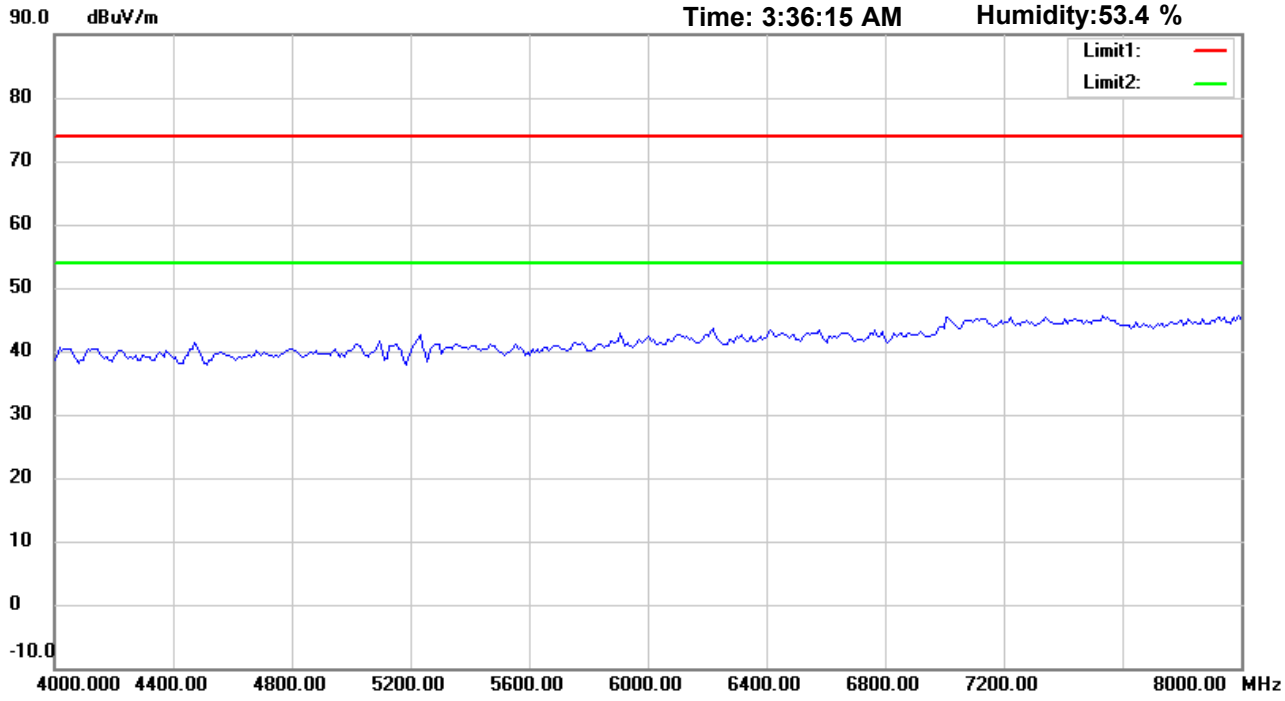
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 3:36:15 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

Note :

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

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

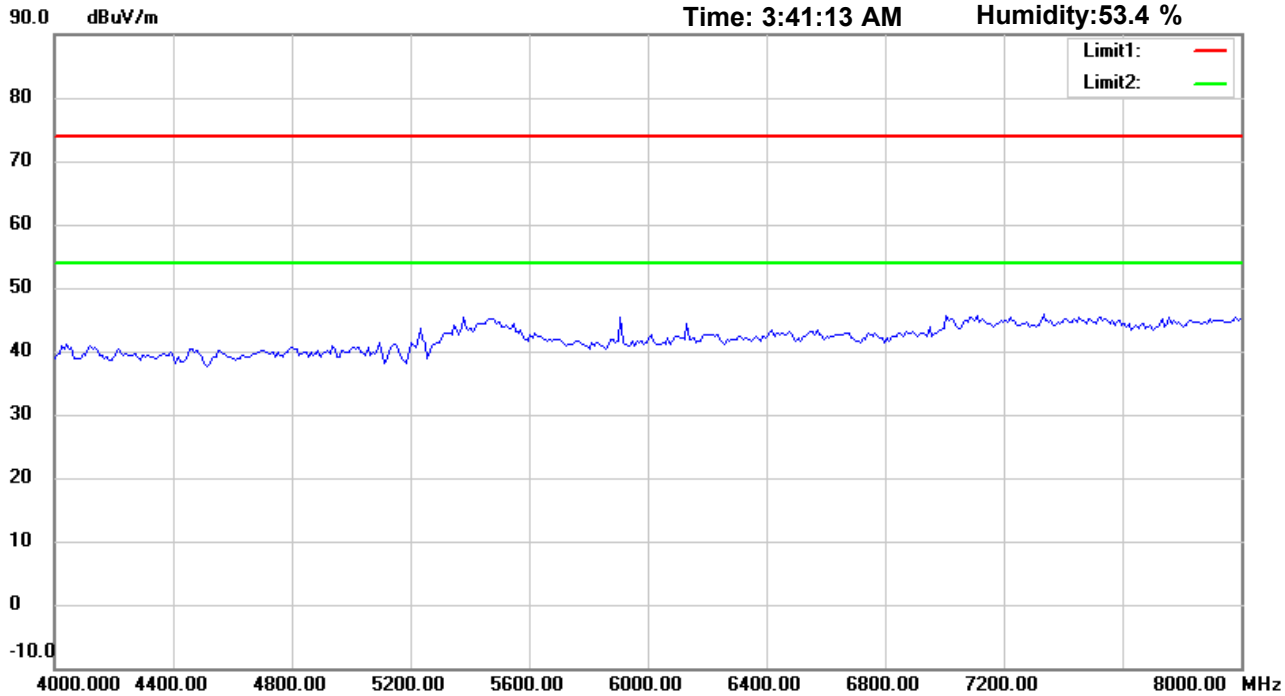
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 3:41:13 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

Note :

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

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

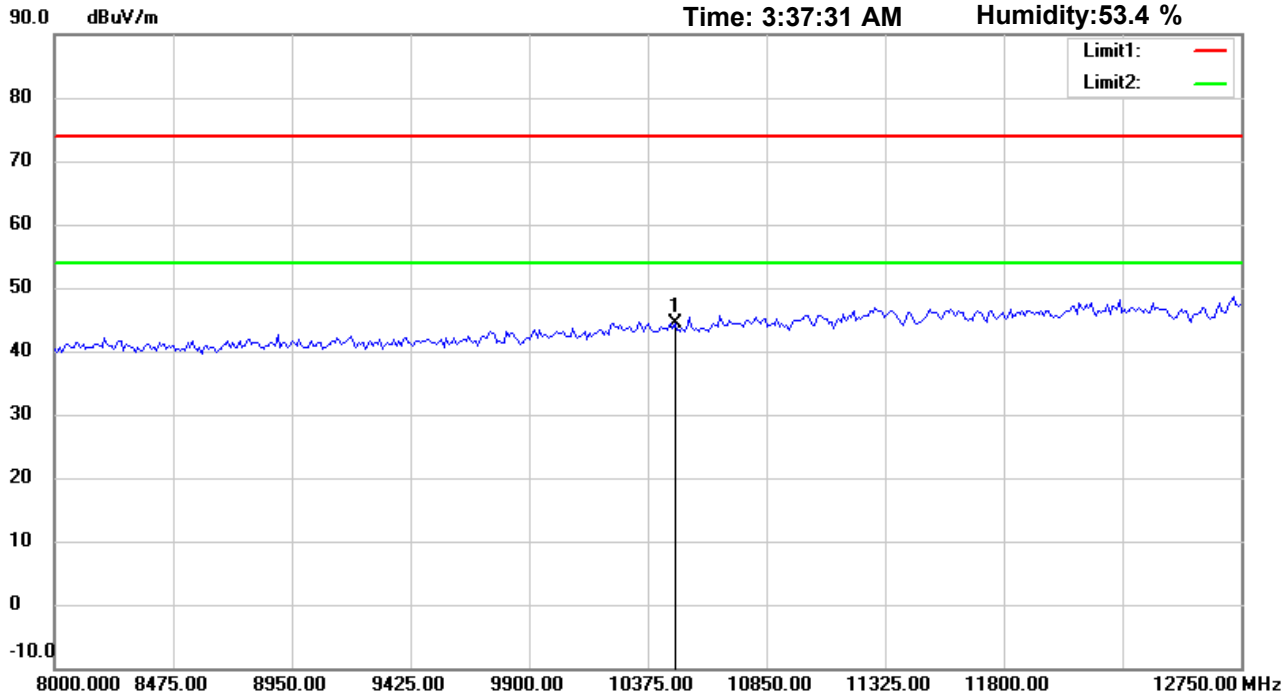
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 3:37:31 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

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
*	10480.000	35.90	peak	8.46	44.36	74.00	150	220	-29.64	

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

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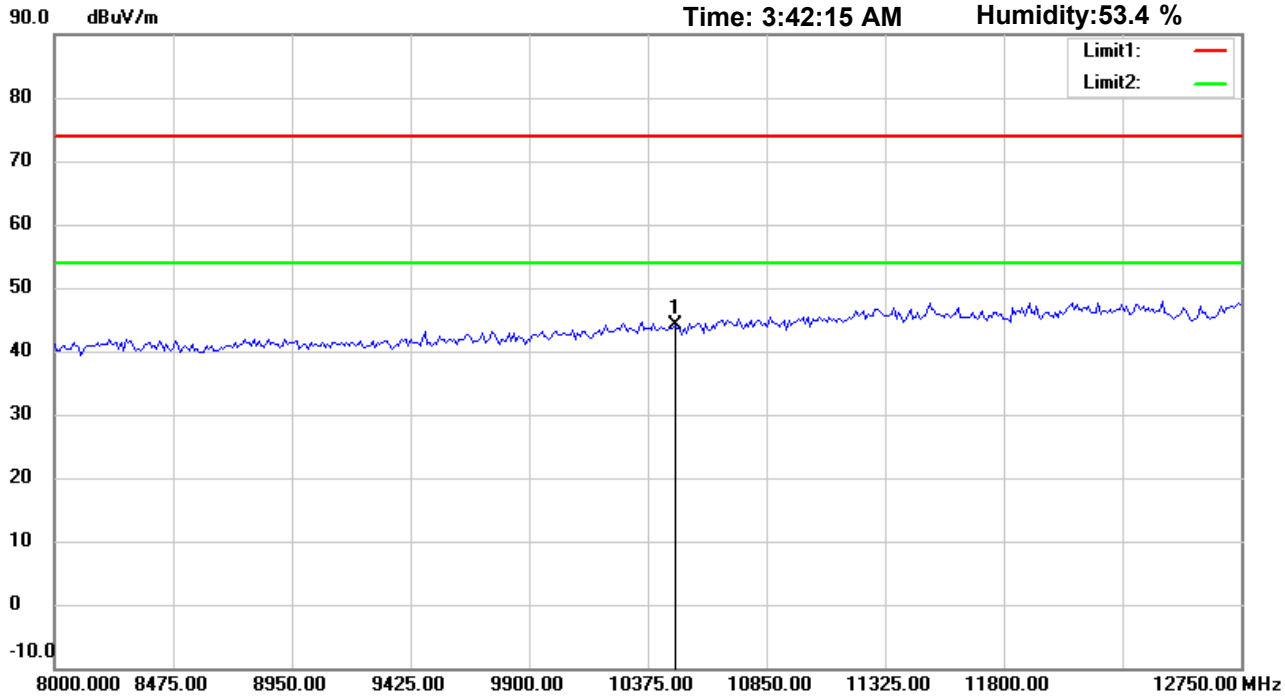
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 3:42:15 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

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
*	10480.000	35.63	peak	8.46	44.09	74.00	150	300	-29.91	

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

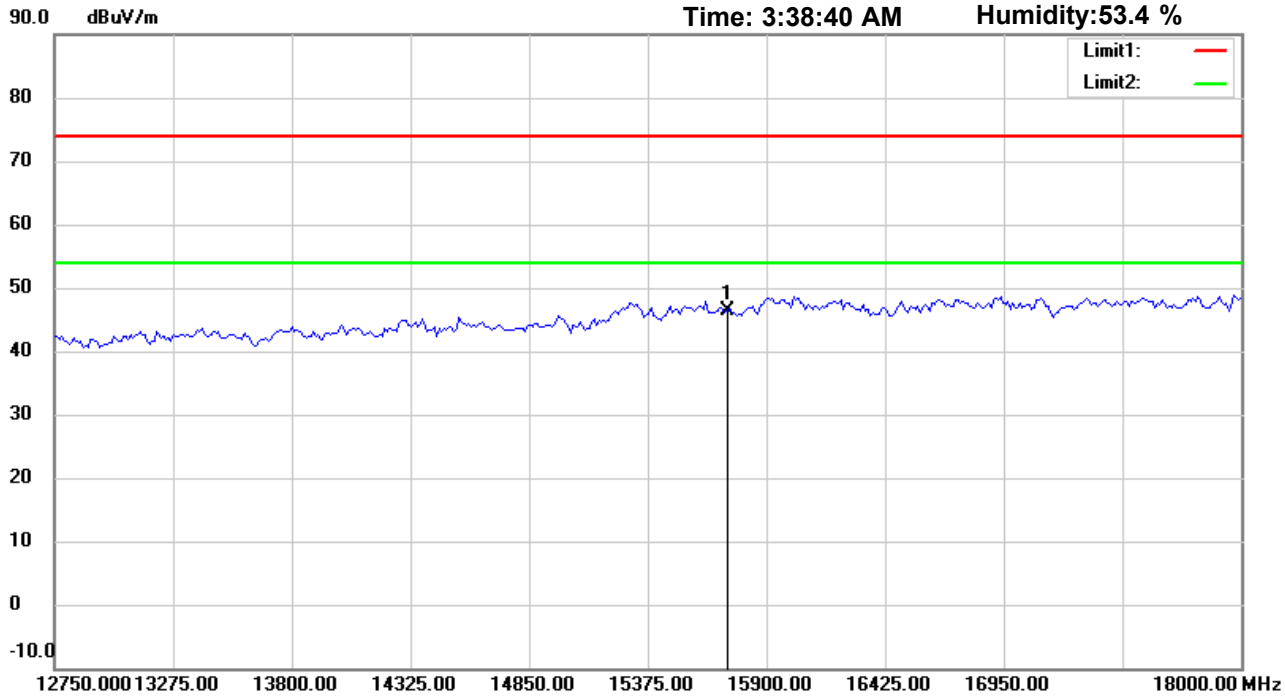
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 3:38:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

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
*	15720.000	28.97	peak	17.44	46.41	74.00	150	60	-27.59	

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

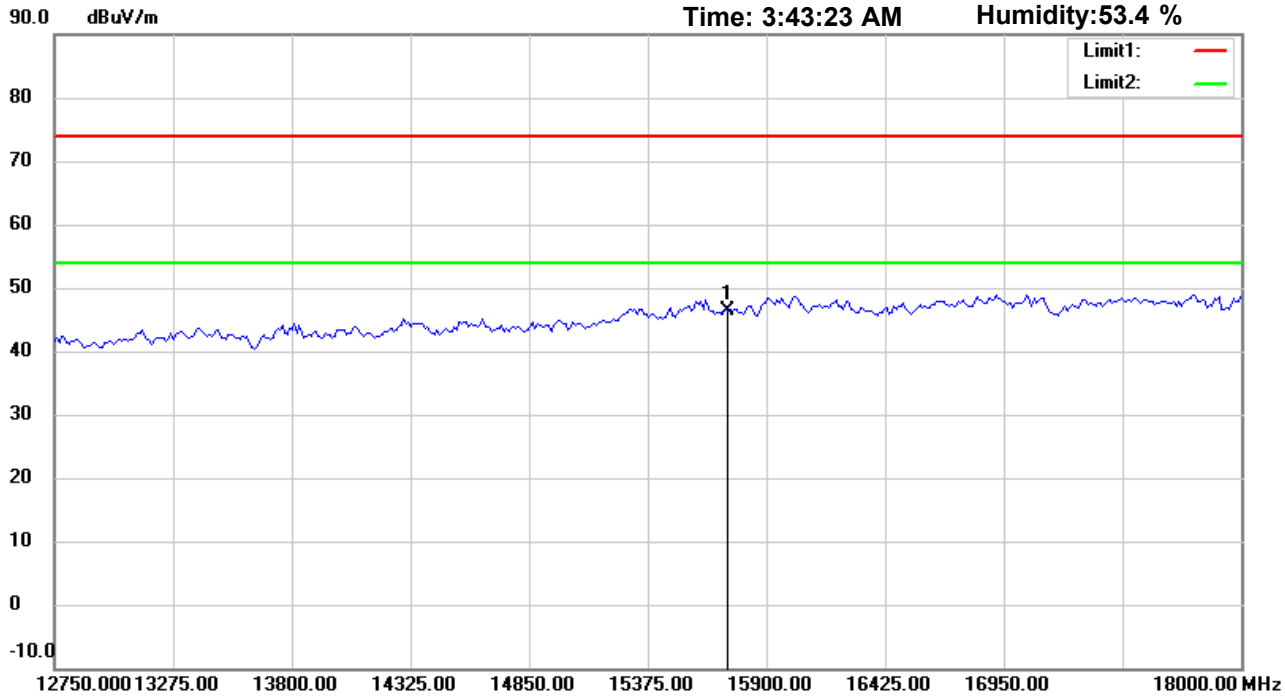
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 3:43:23 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH48
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15720.000	28.92	peak	17.44	46.36	74.00	150	95	-27.64	

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

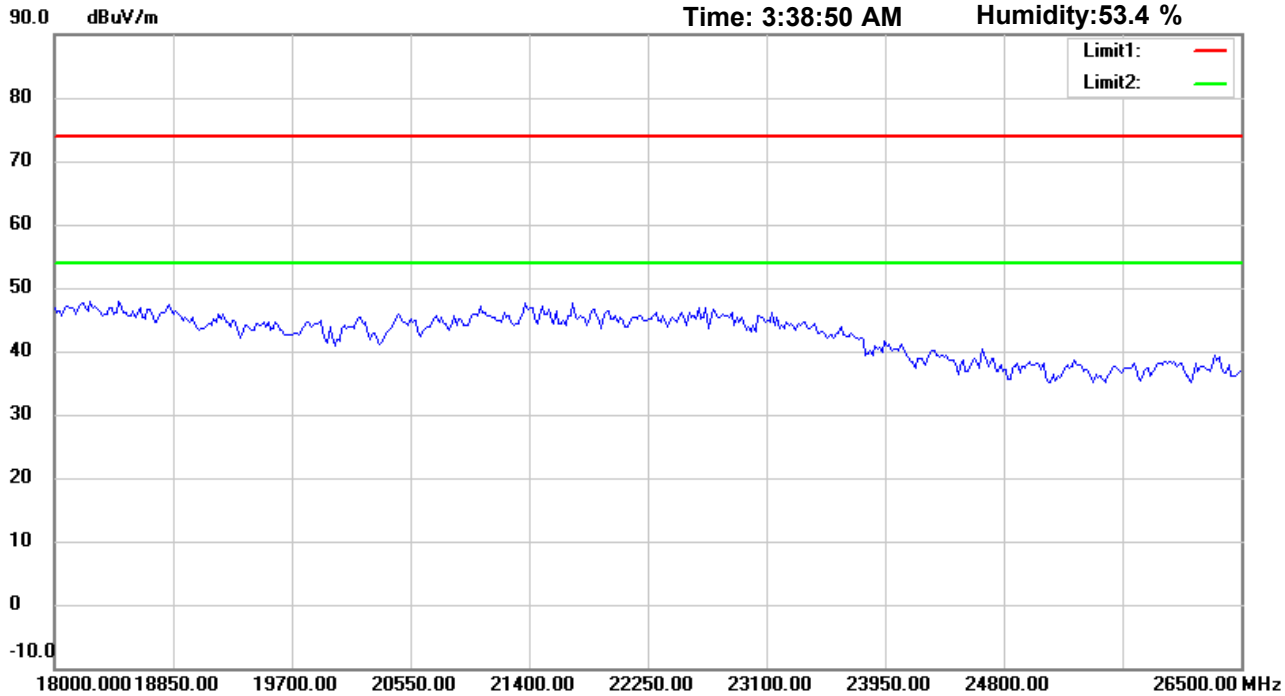
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 3:38:50 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

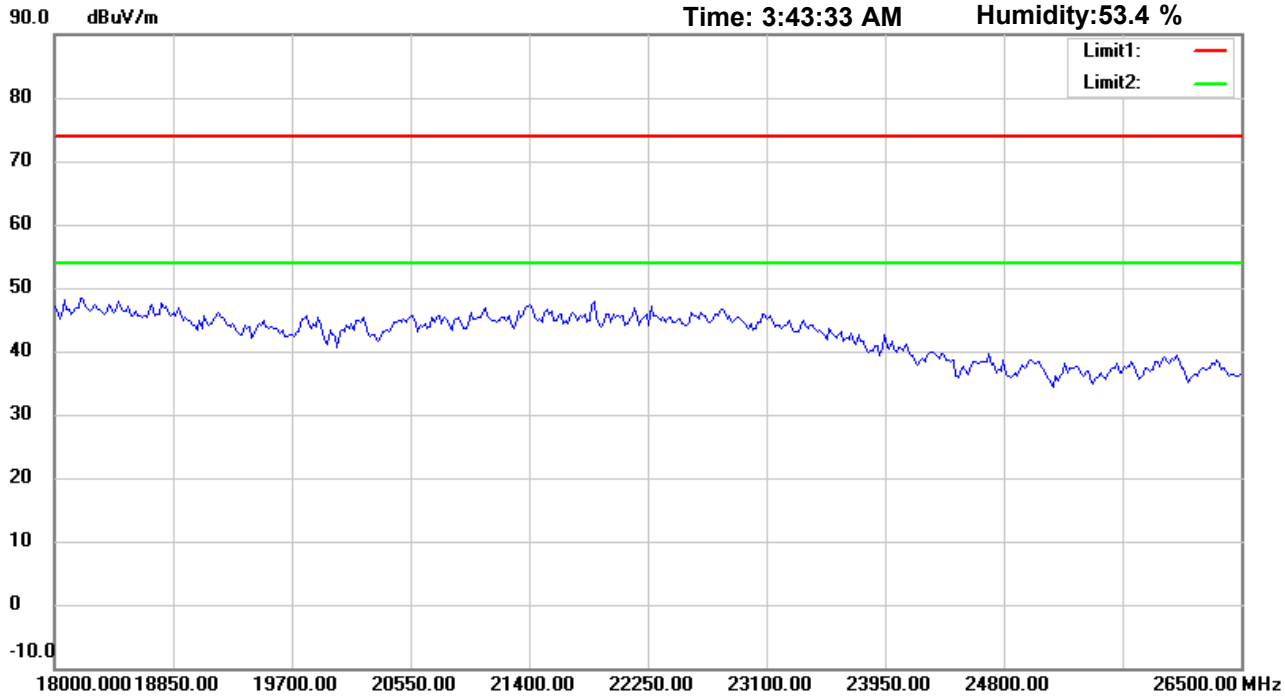
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 3:43:33 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH48

Note :

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

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

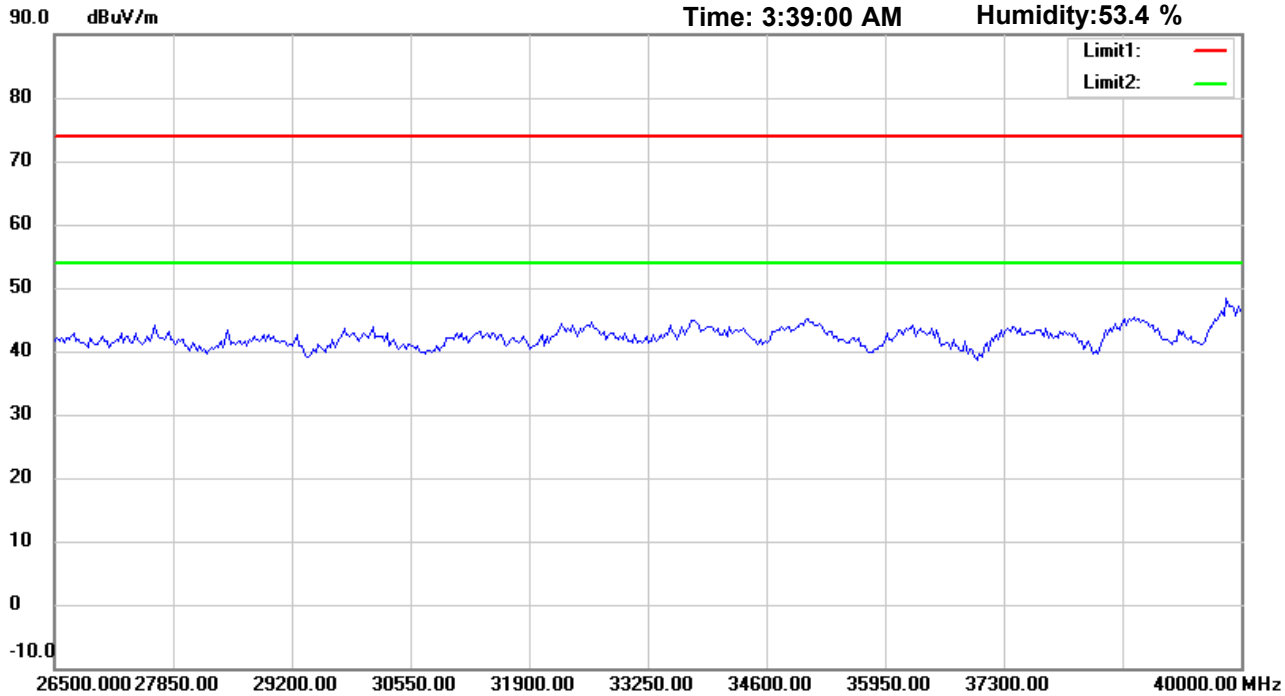
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 3:39:00 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH48
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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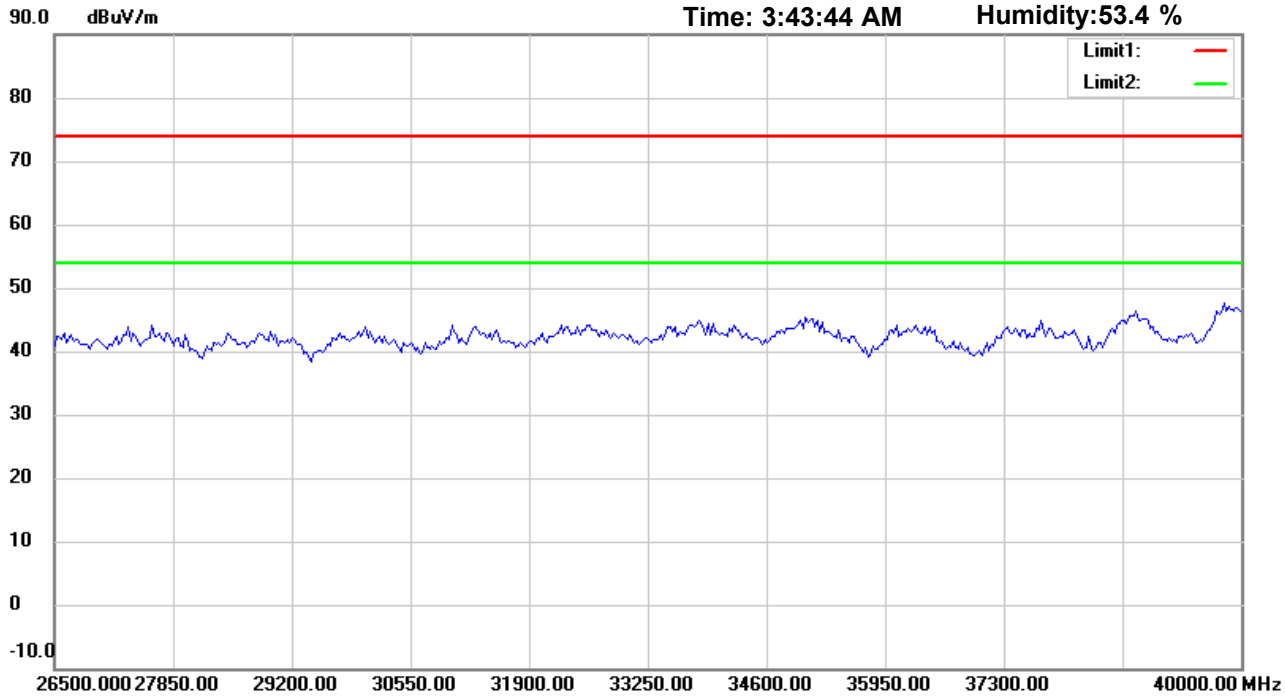
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 3:43:44 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH48
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

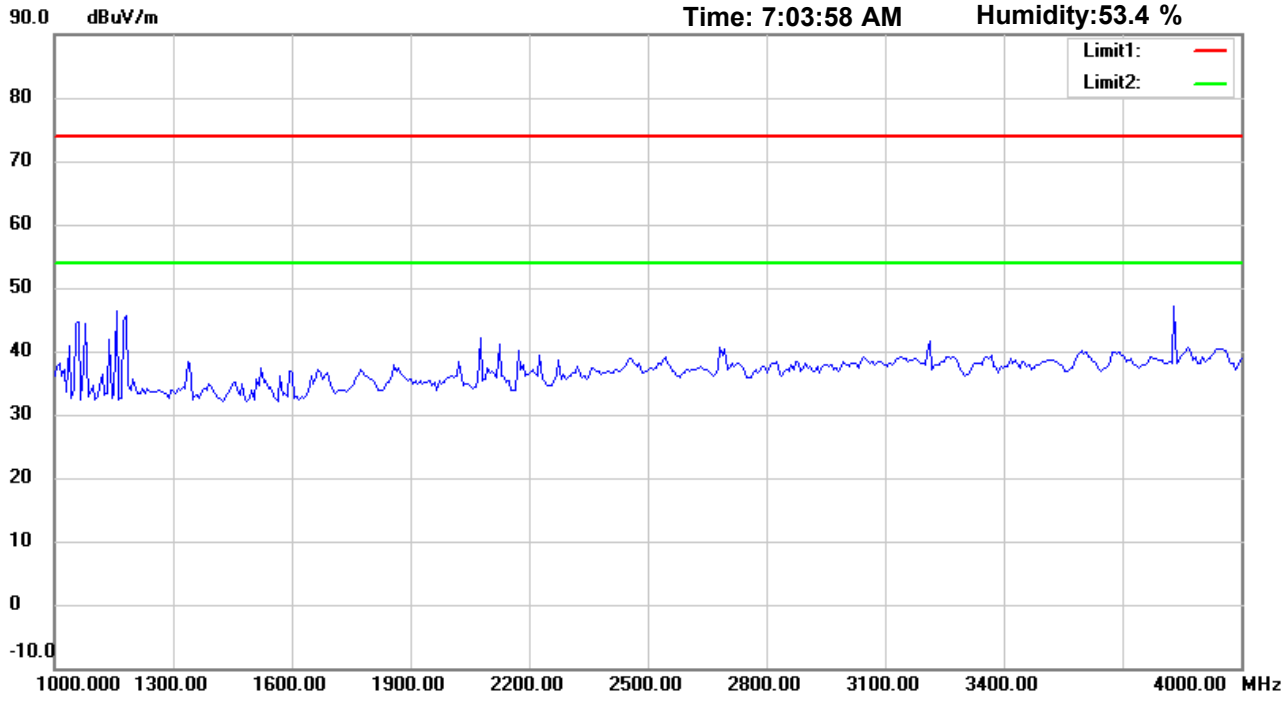
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 7:03:58 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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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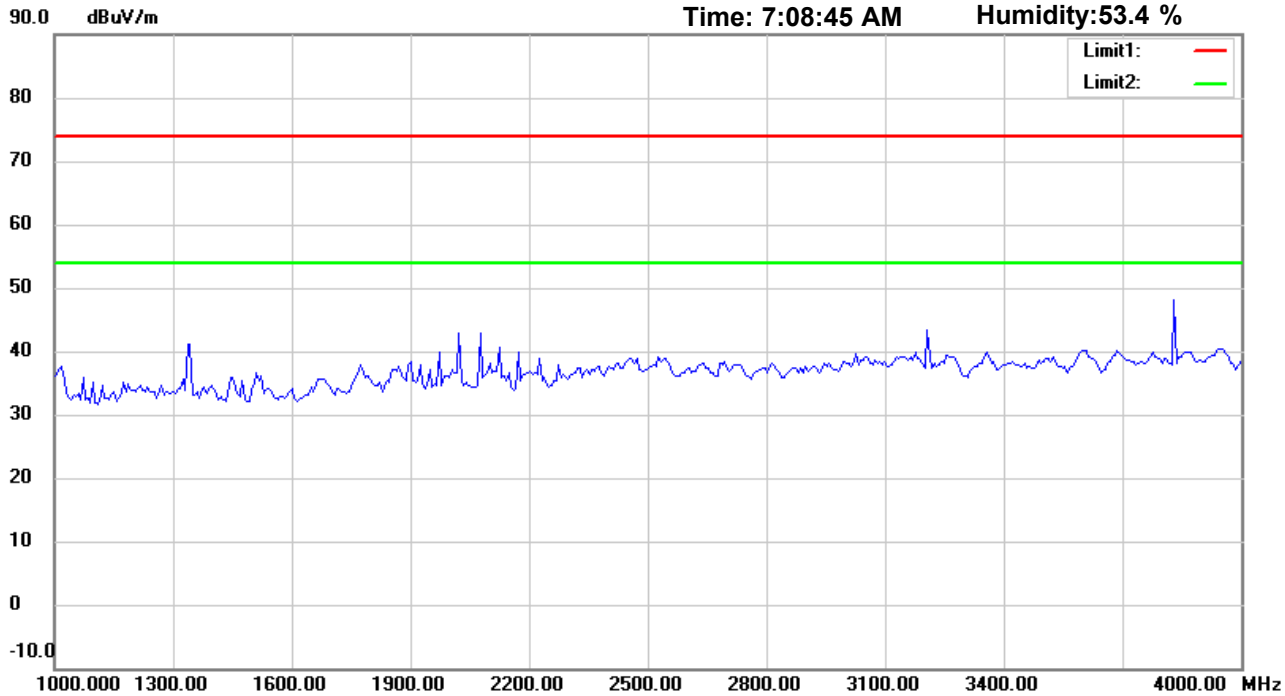
Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 7:08:45 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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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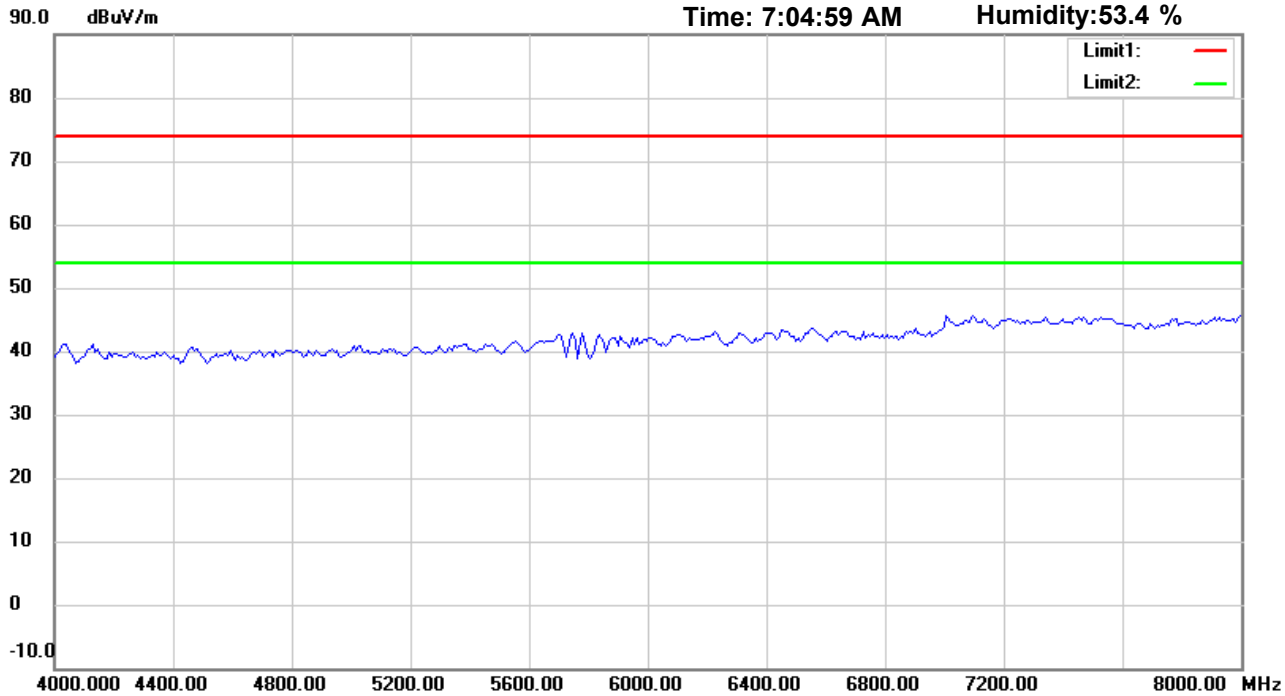
Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 7:04:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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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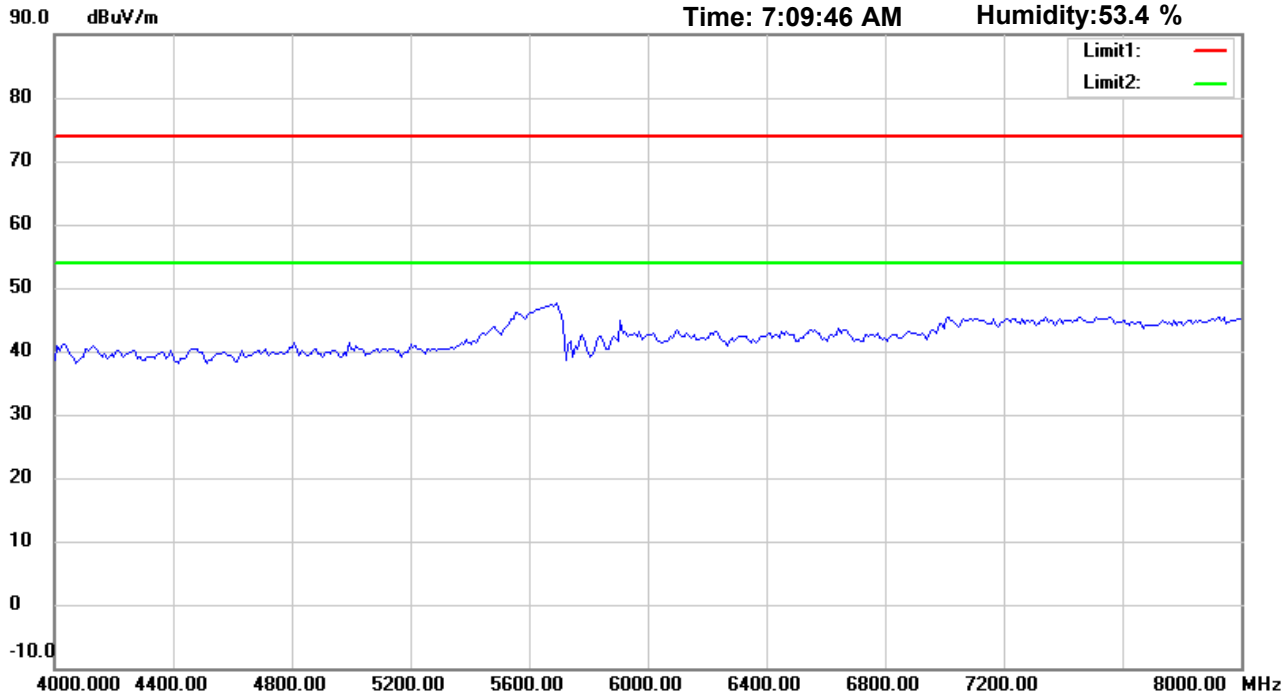
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#8 | Date: 12/28/2019 | Time: 7:09:46 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

Note :

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

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

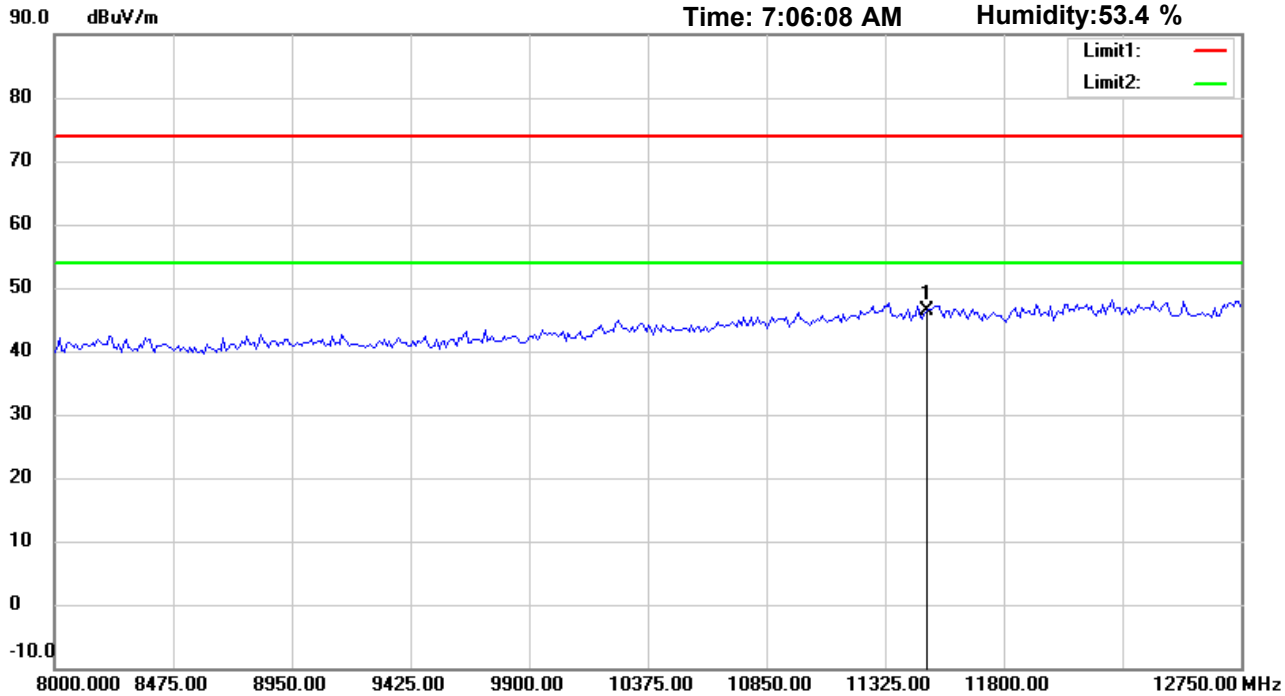
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 7:06:08 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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
*	11490.000	34.99	peak	11.36	46.35	74.00	150	20	-27.65	

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

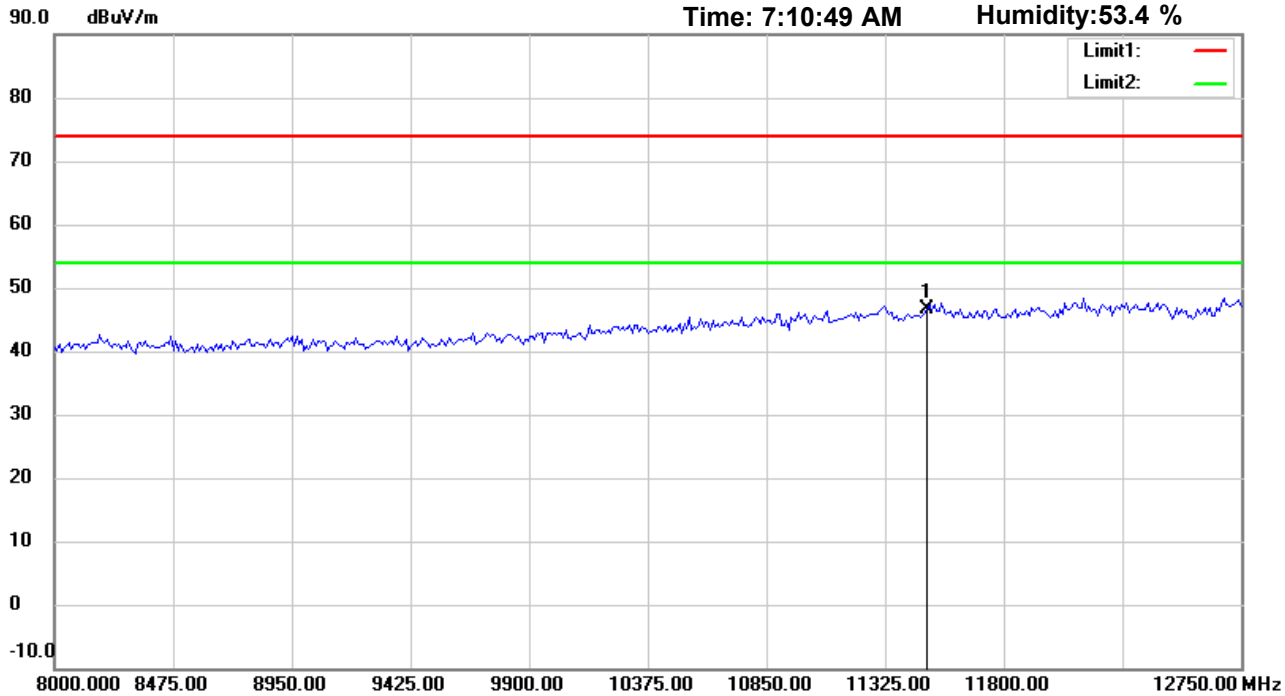
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 7:10:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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
*	11490.000	35.17	peak	11.36	46.53	74.00	150	65	-27.47	

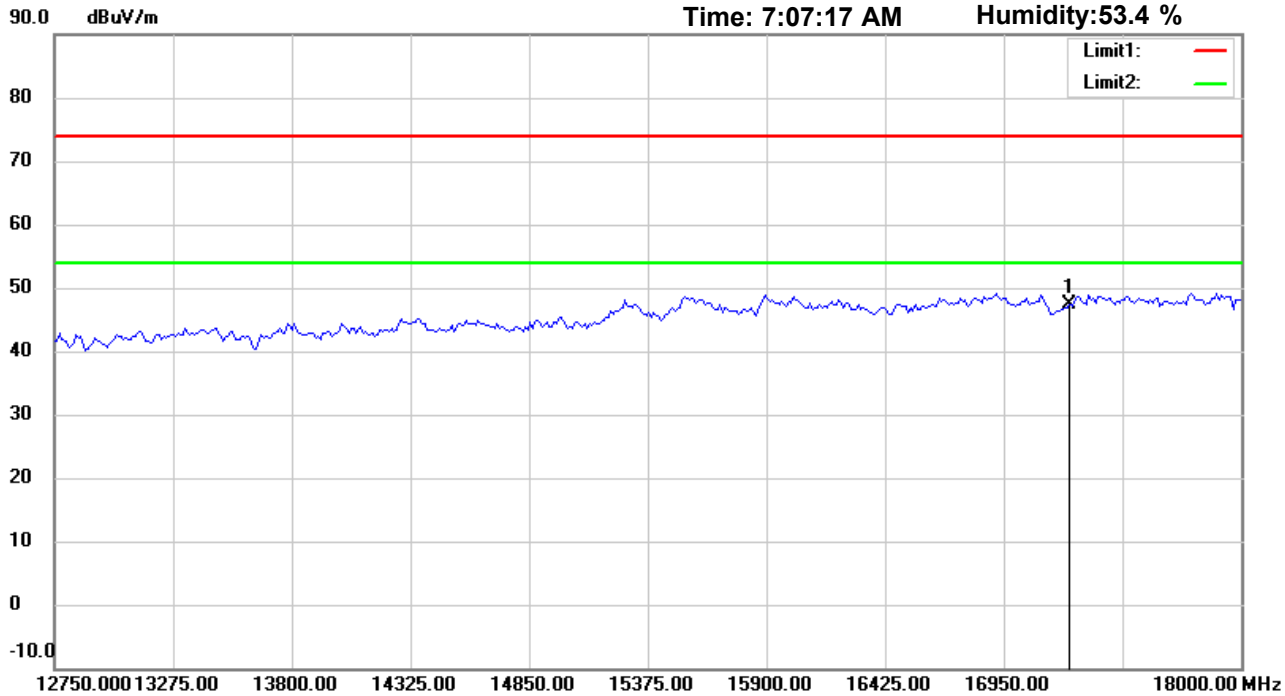
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#4 | Date: 12/28/2019 | Time: 7:07:17 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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
*	17235.000	28.08	peak	19.23	47.31	74.00	150	245	-26.69	

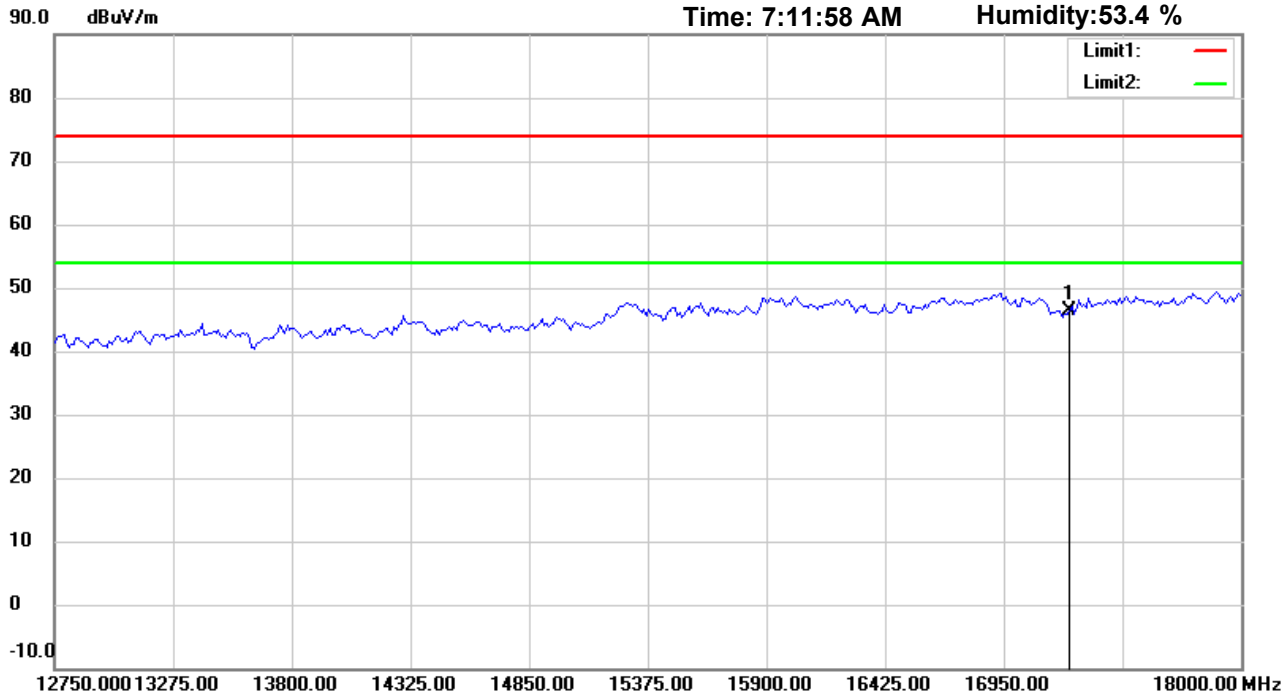
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 7:11:58 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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
*	17235.000	27.07	peak	19.23	46.30	74.00	150	320	-27.70	

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

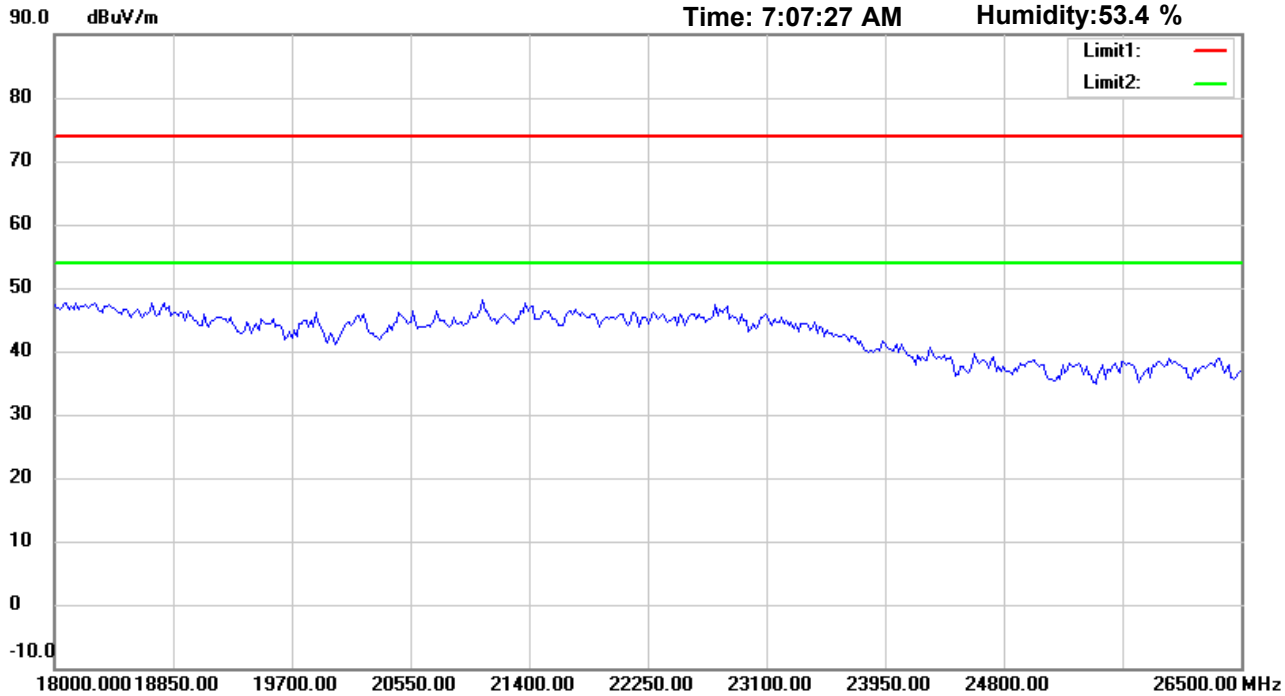
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 7:07:27 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

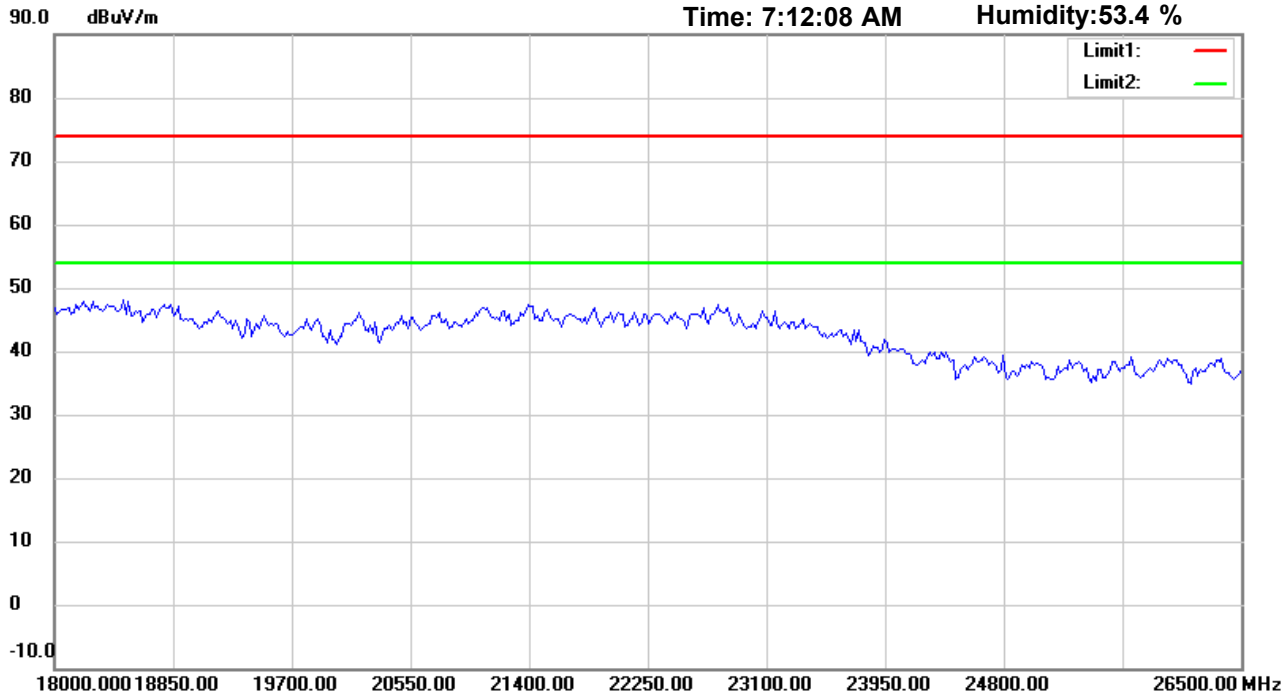
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 7:12:08 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH149

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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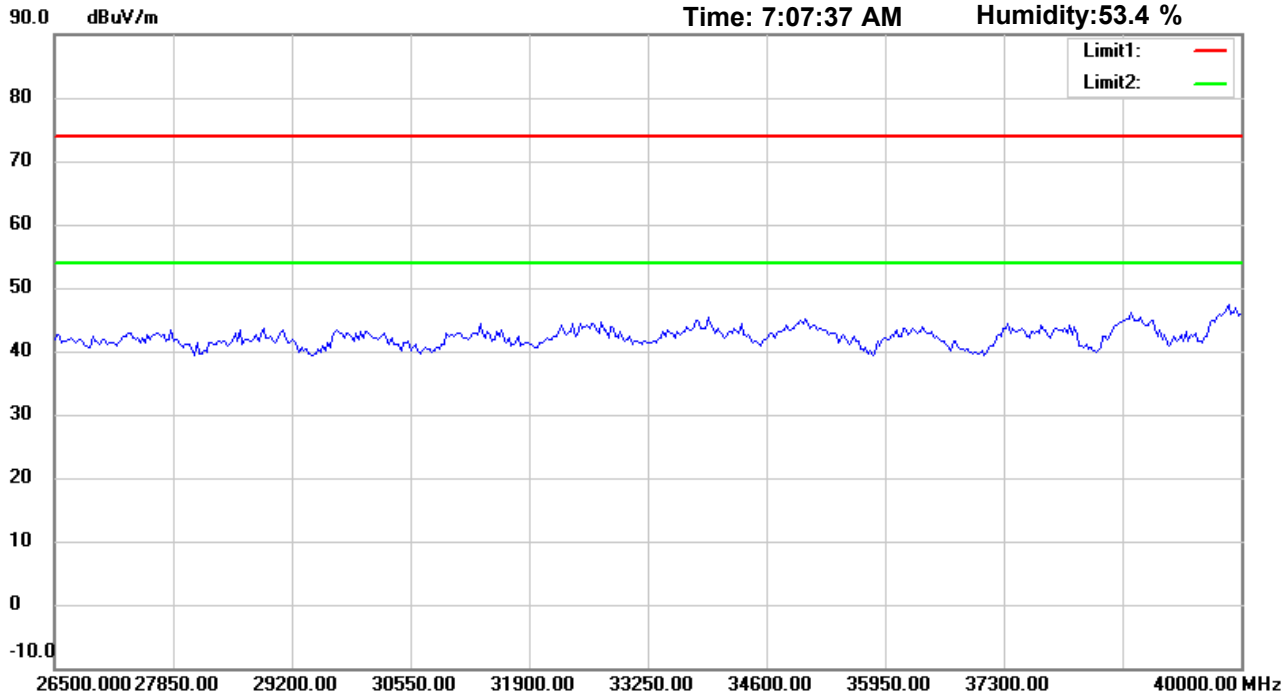
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 7:07:37 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH149
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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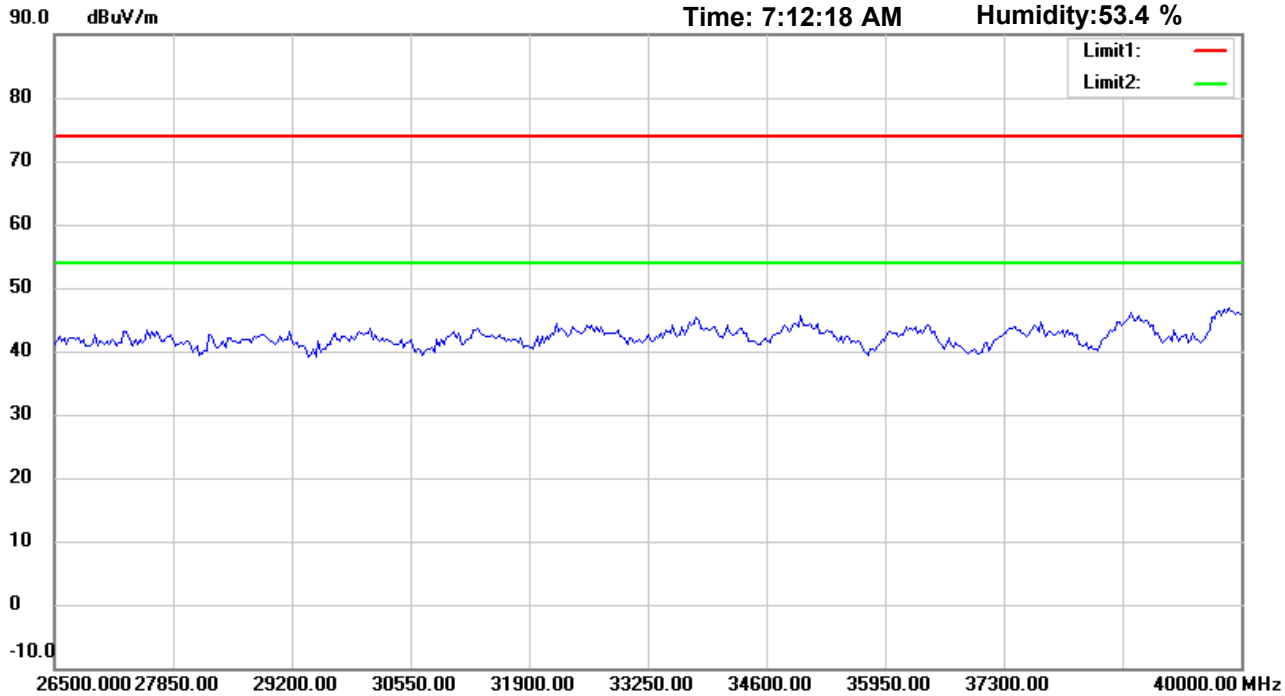
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 7:12:18 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH149
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

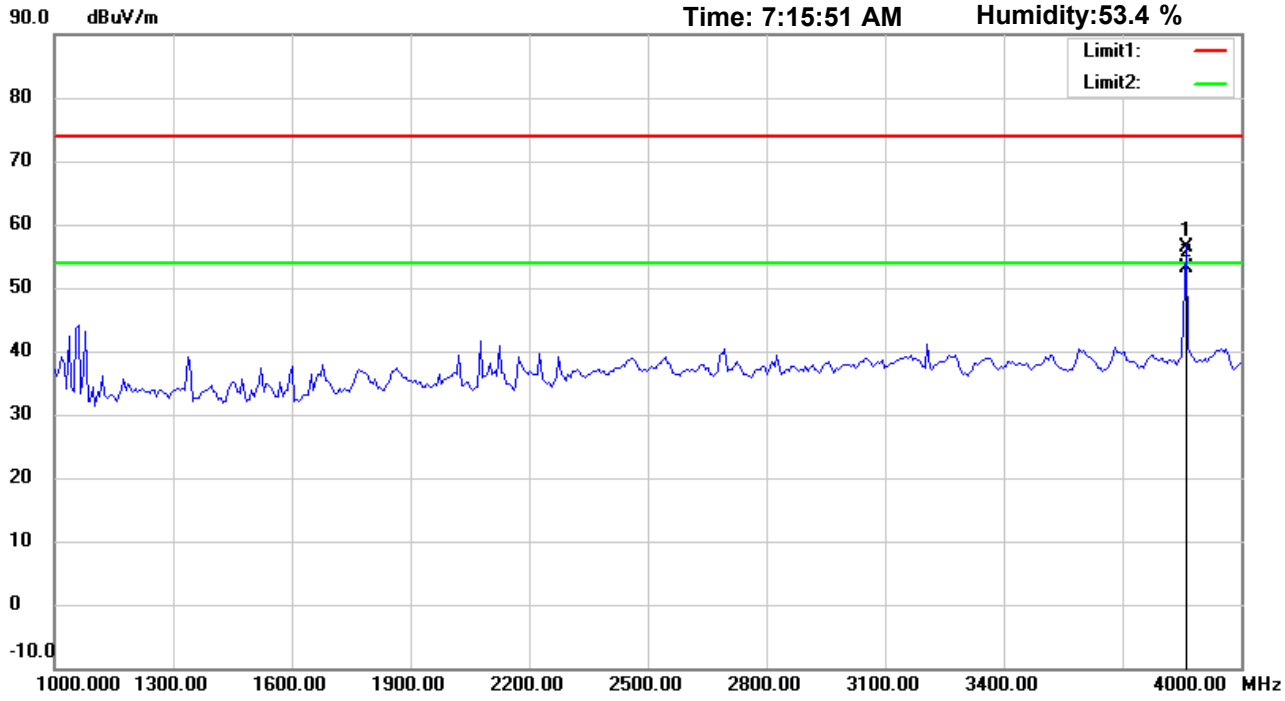
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 7:15:51 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

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
	3856.552	58.73	peak	-2.42	56.31	74.00	150	135	-17.69	
*	3856.552	55.61	AVG	-2.42	53.19	54.00	150	135	-0.81	

*: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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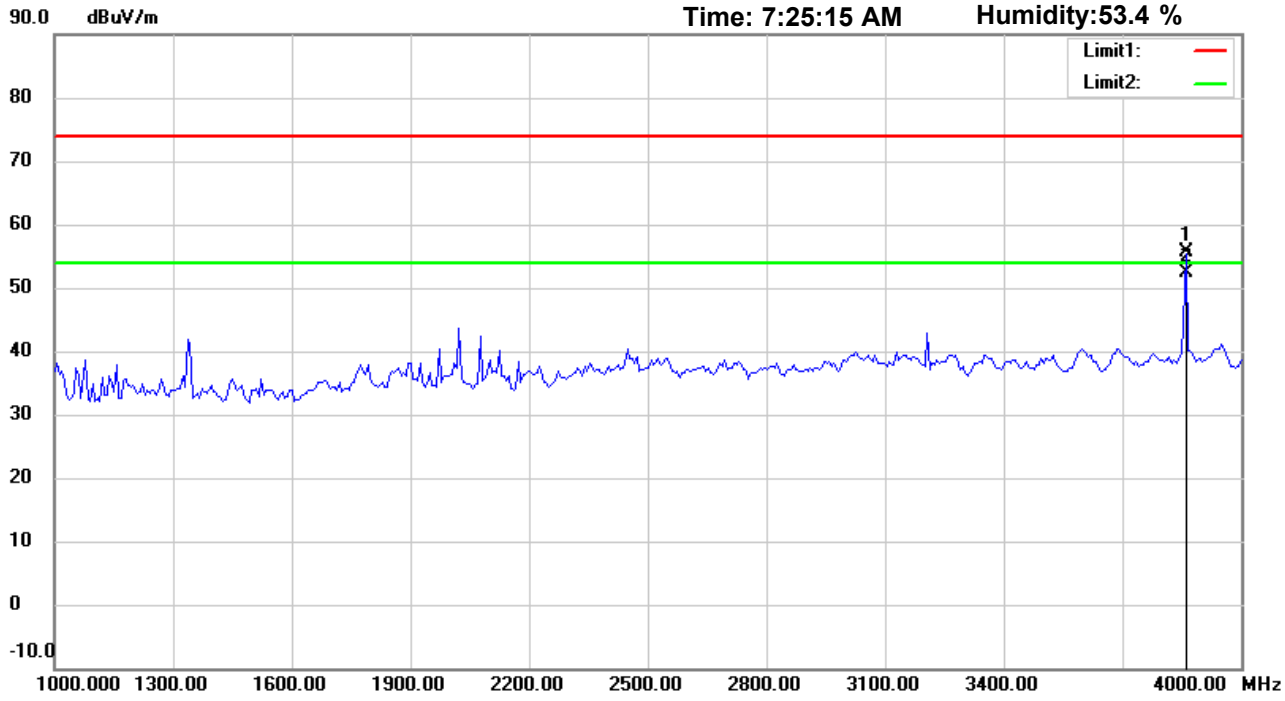
Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 7:25:15 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

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
	3856.552	57.93	peak	-2.42	55.51	74.00	150	70	-18.49	
*	3856.552	54.76	AVG	-2.42	52.34	54.00	150	70	-1.66	

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

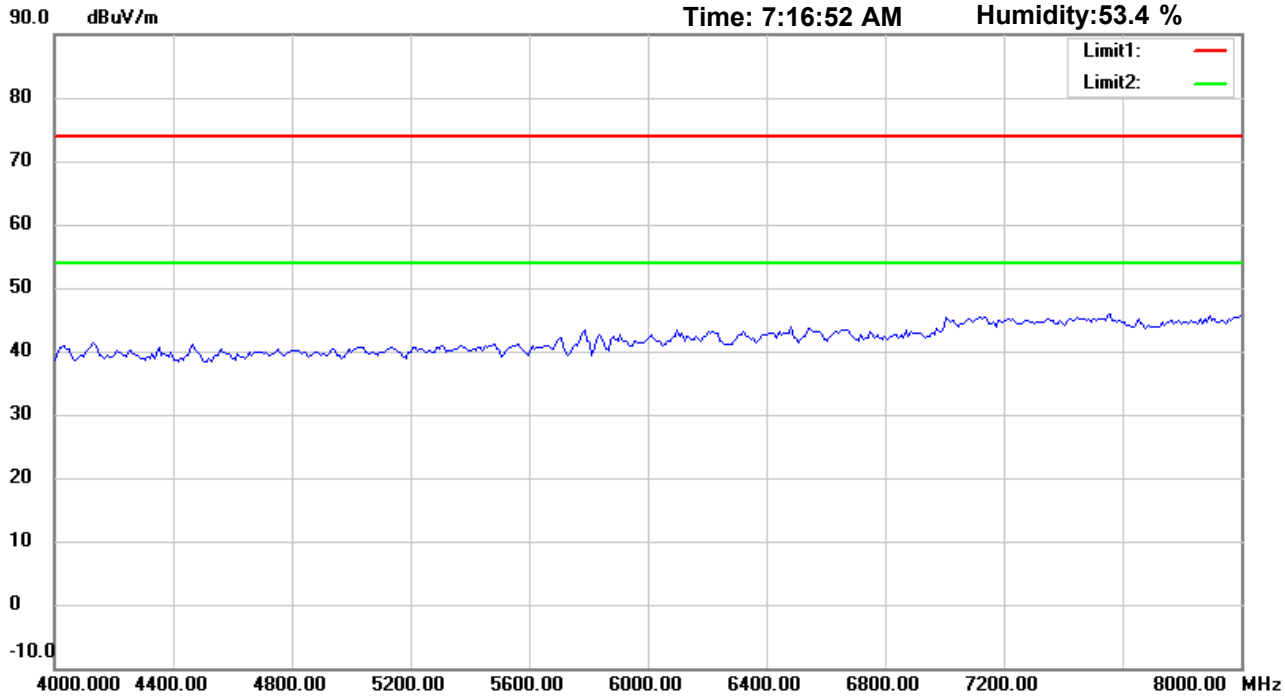
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 7:16:52 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

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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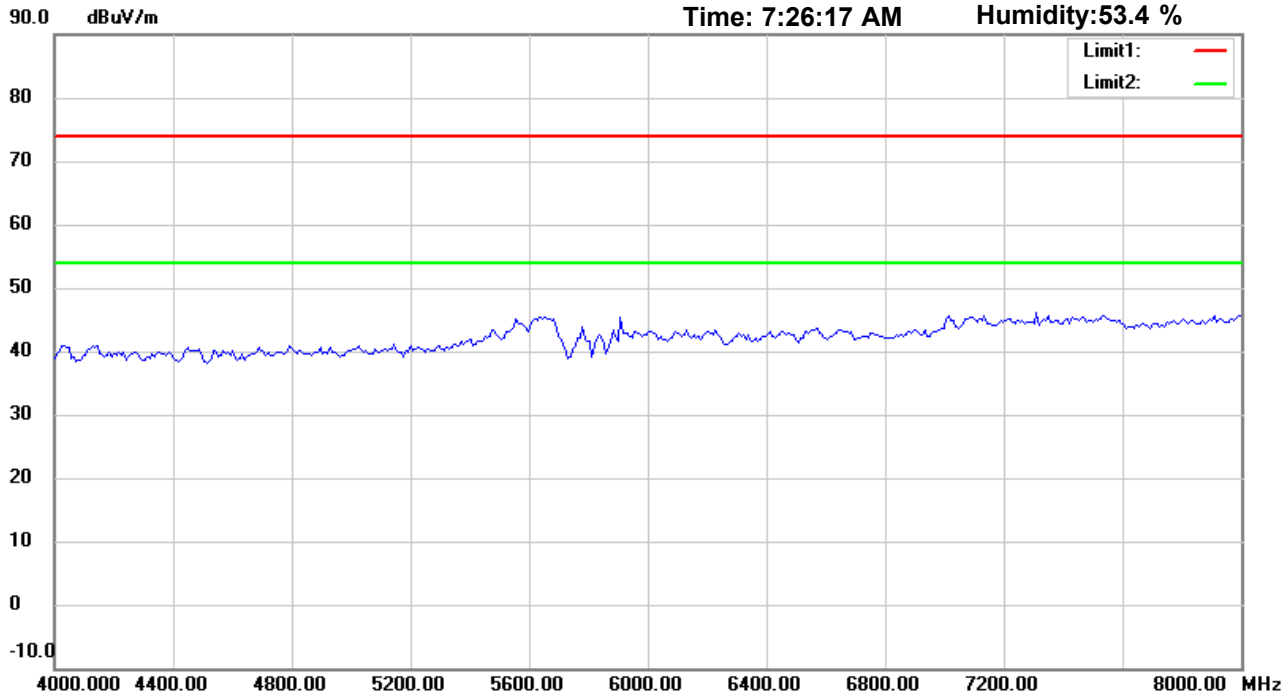
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 7:26:17 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

Note :

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

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

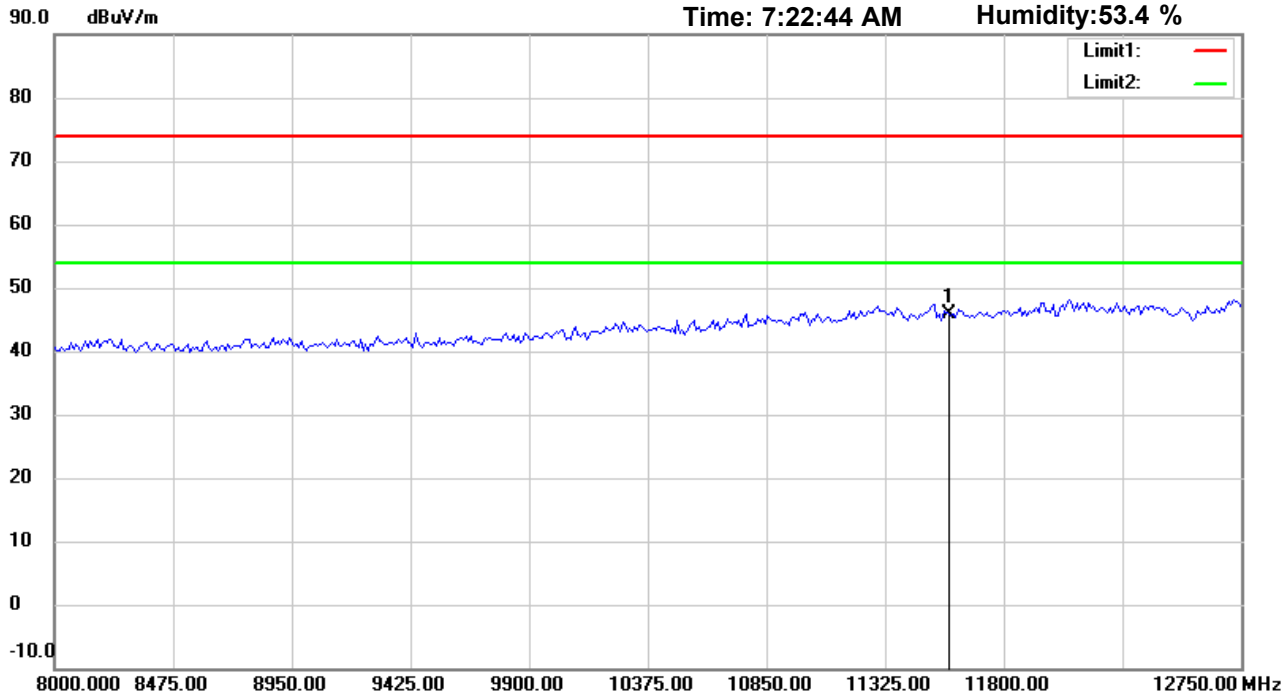
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 7:22:44 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

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
*	11570.000	34.68	peak	11.12	45.80	74.00	150	165	-28.20	

*: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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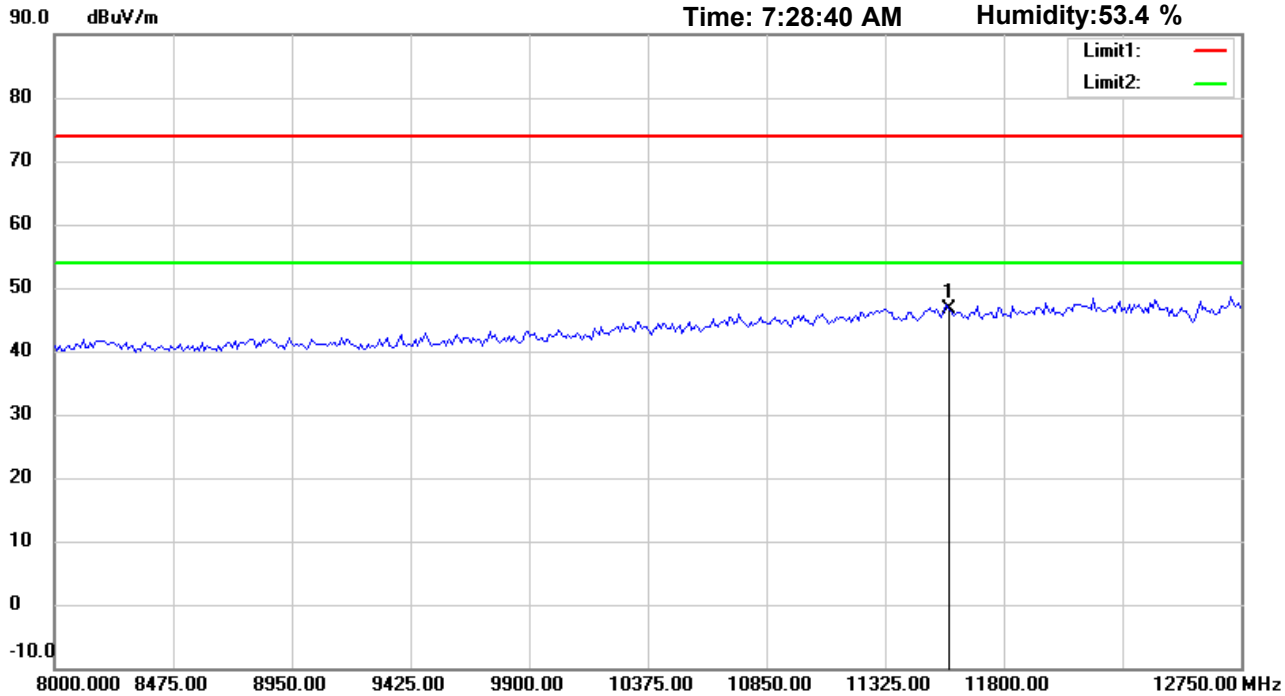
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#9 | Date: 12/28/2019 | Time: 7:28:40 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

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
*	11570.000	35.45	peak	11.12	46.57	74.00	150	300	-27.43	

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

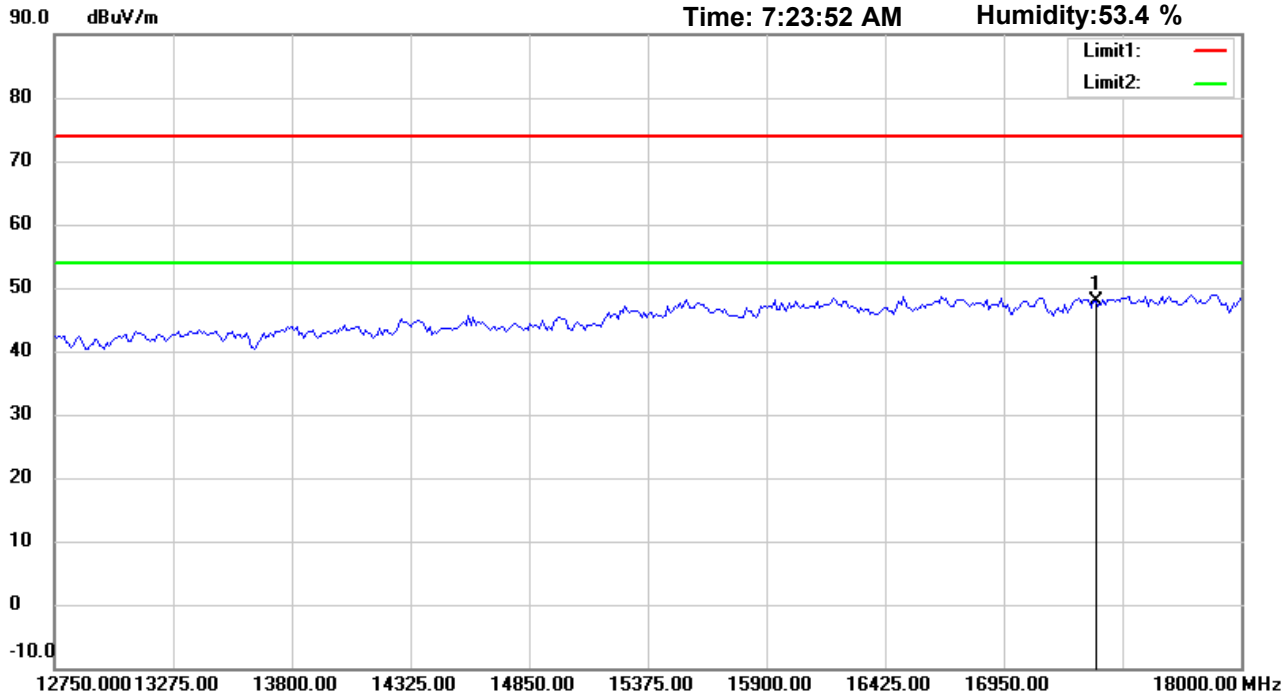
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 7:23:52 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17355.000	27.39	peak	20.45	47.84	74.00	150	70	-26.16	

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

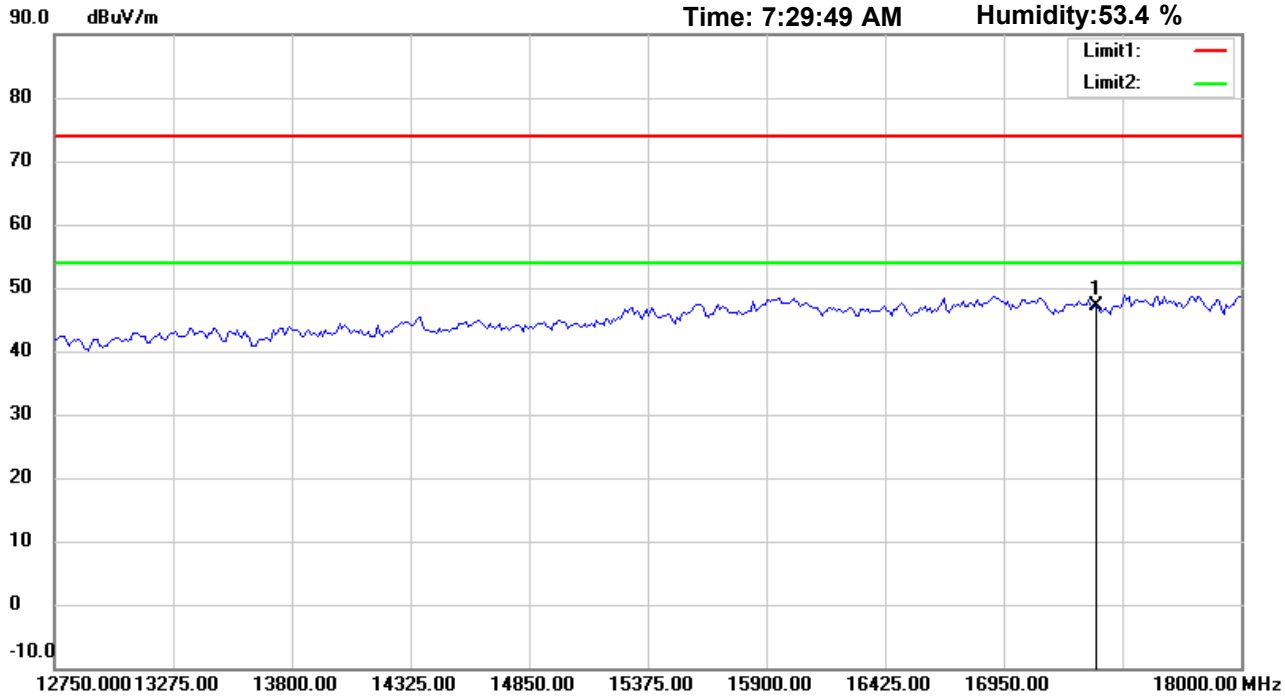
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 12/28/2019 Time: 7:29:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17355.000	26.60	peak	20.45	47.05	74.00	150	30	-26.95	

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

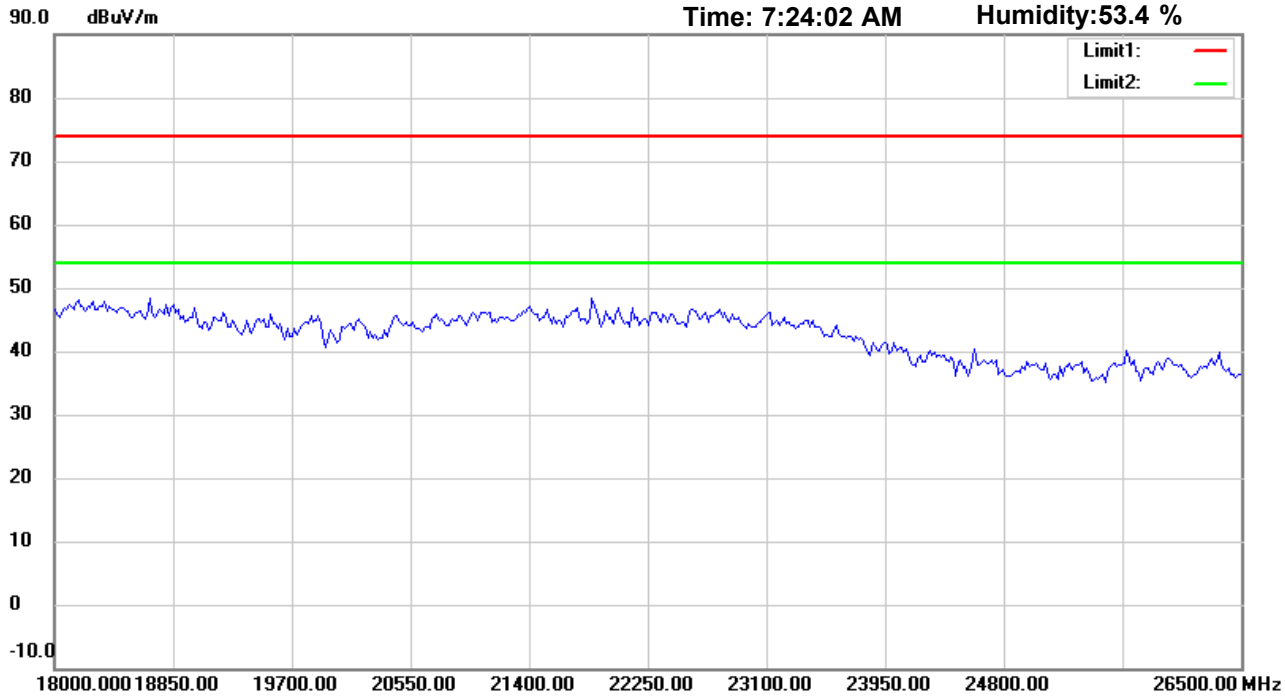
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 7:24:02 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH157

Note :

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

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

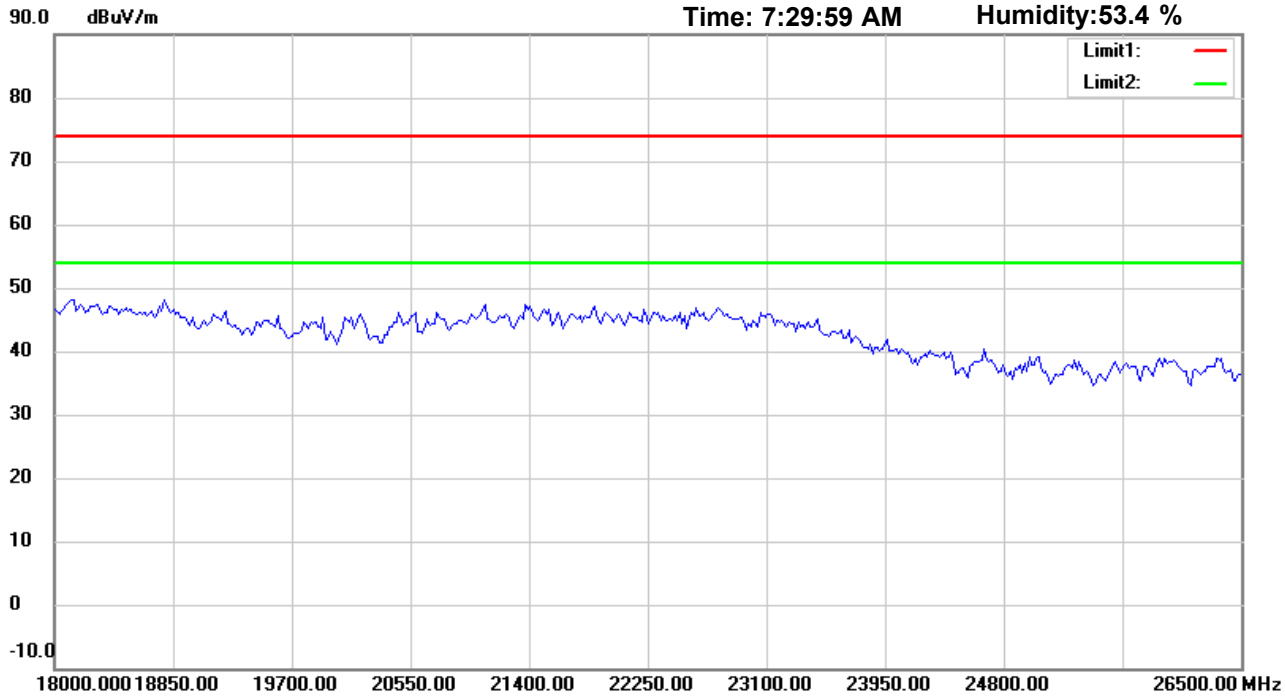
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 12/28/2019 Time: 7:29:59 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

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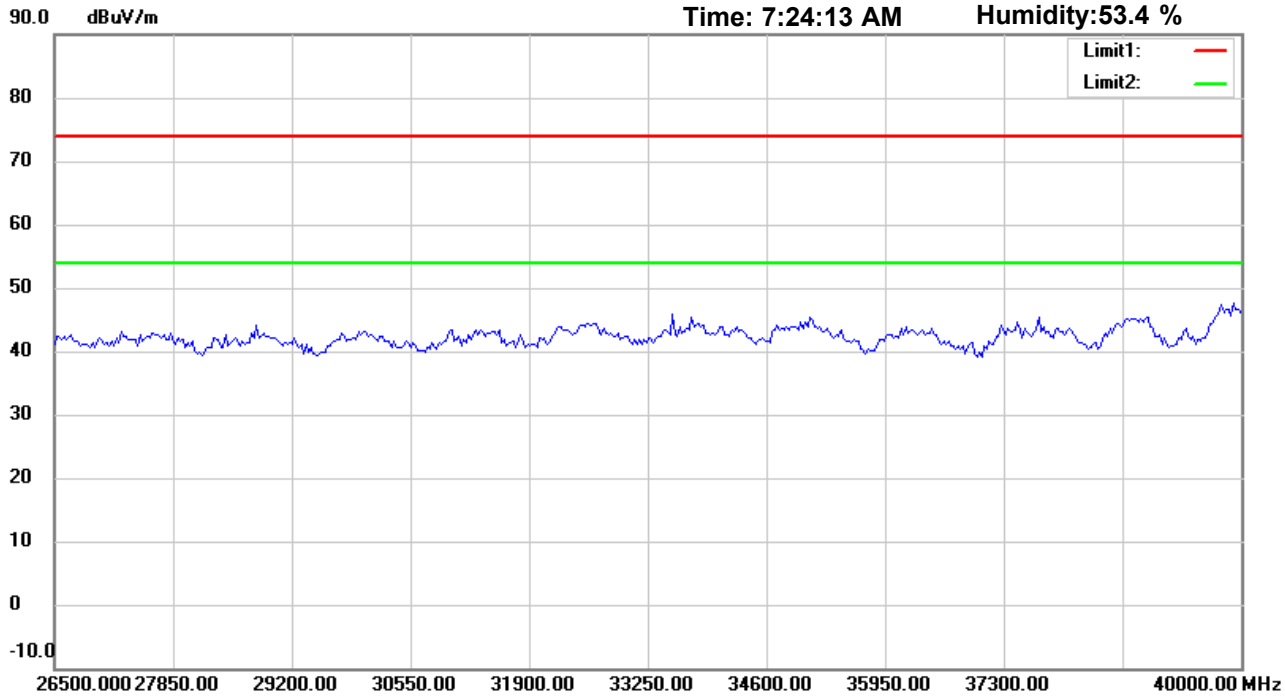
Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 7:24:13 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH157
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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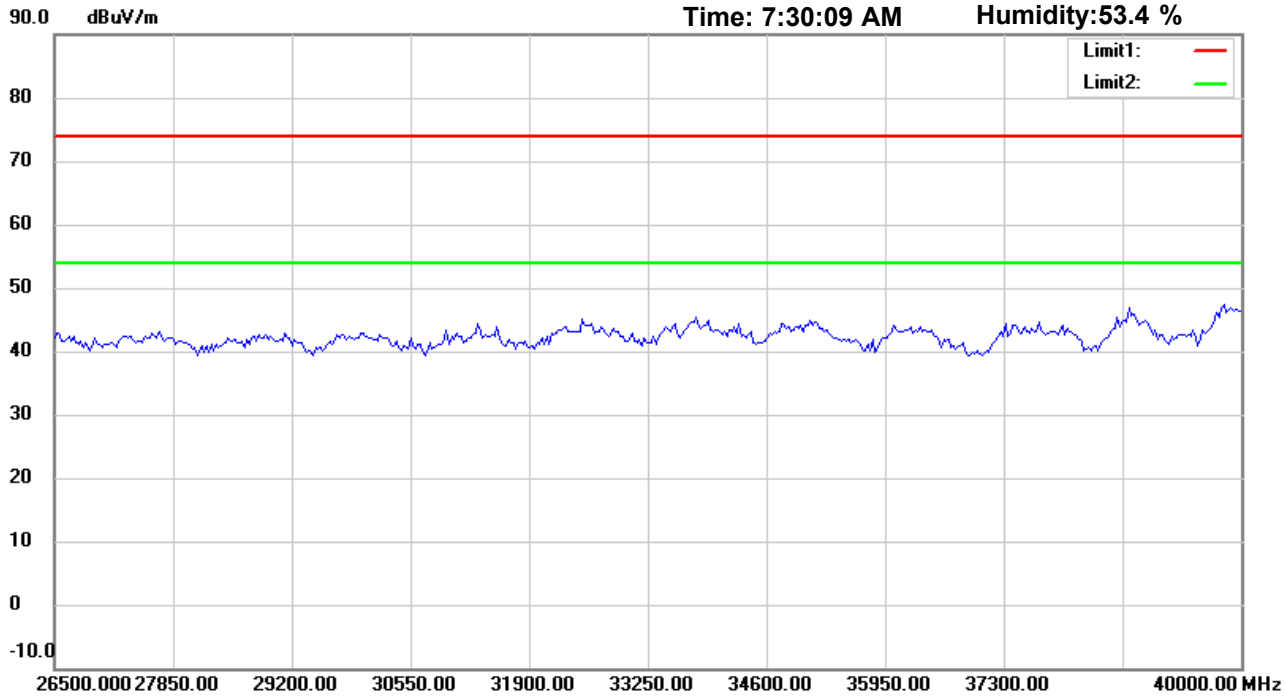
Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 12/28/2019 Time: 7:30:09 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH157
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

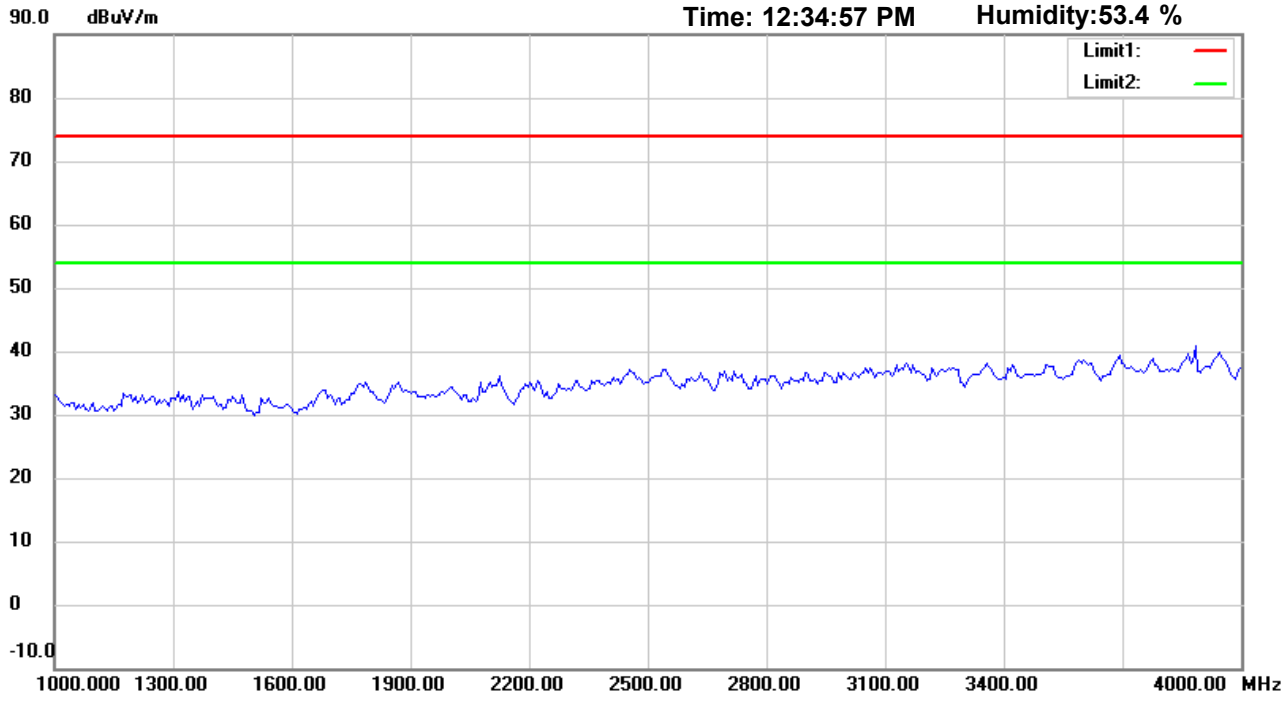
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 12/28/2019 Time: 12:34:57 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

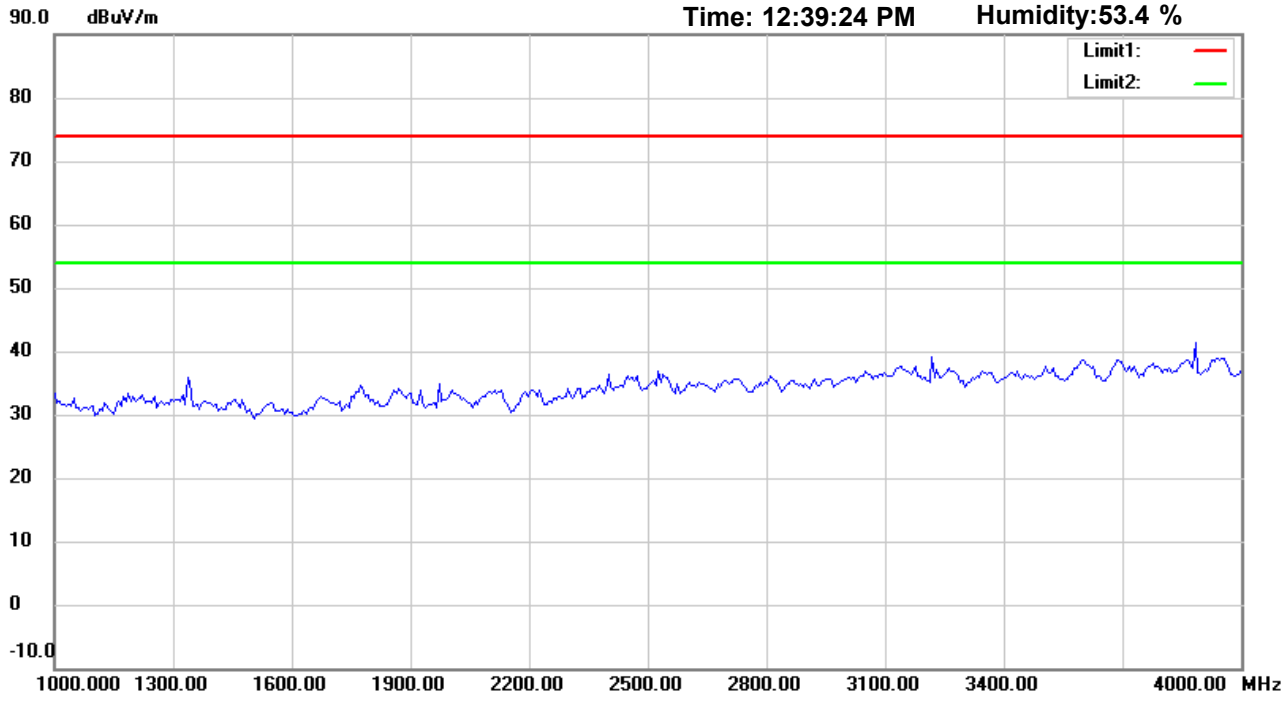
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 12/28/2019 Time: 12:39:24 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH165
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

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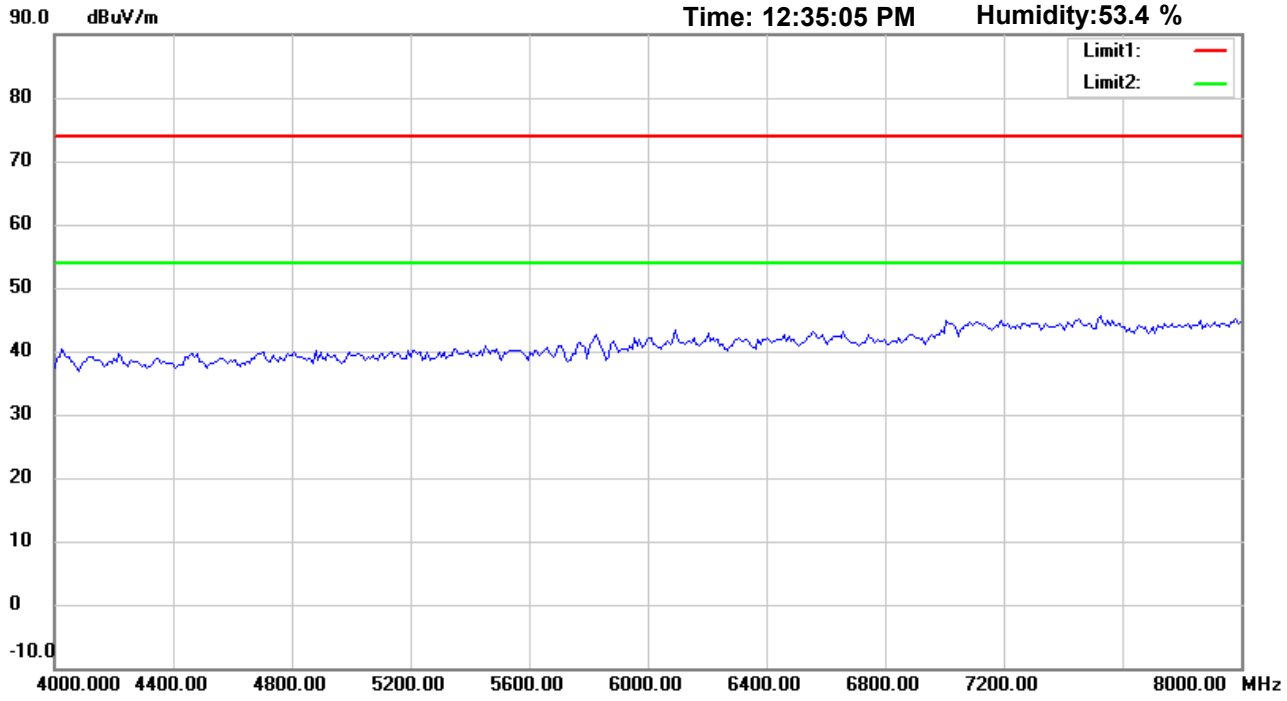
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 12/28/2019 Time: 12:35:05 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

Note :

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

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

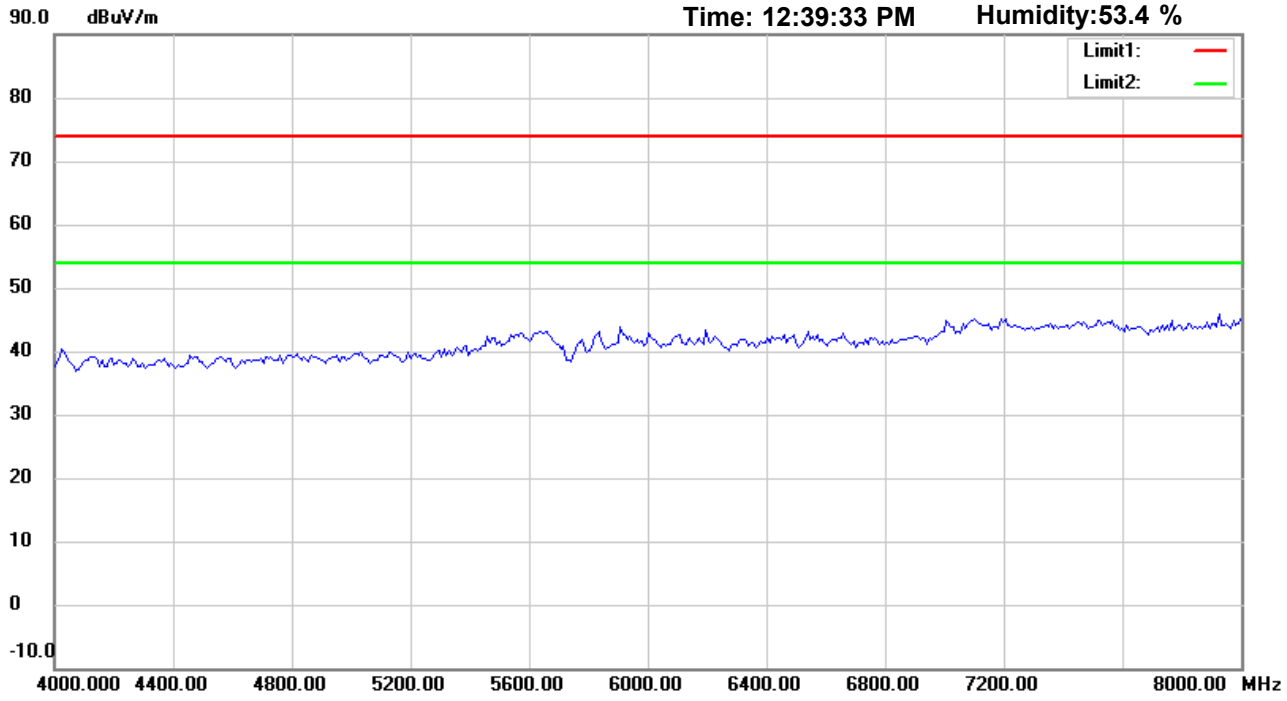
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 12/28/2019 Time: 12:39:33 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

Note :

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

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

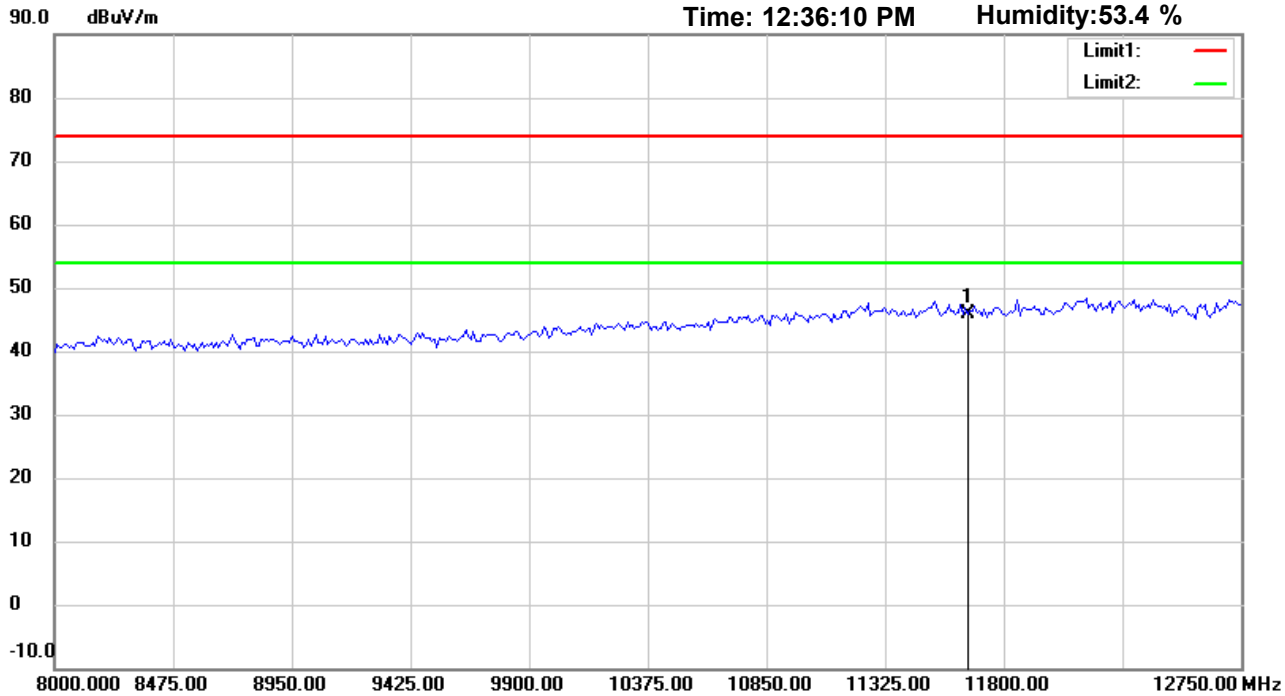
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 12/28/2019 Time: 12:36:10 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

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
*	11650.000	34.85	peak	10.97	45.82	74.00	150	65	-28.18	

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

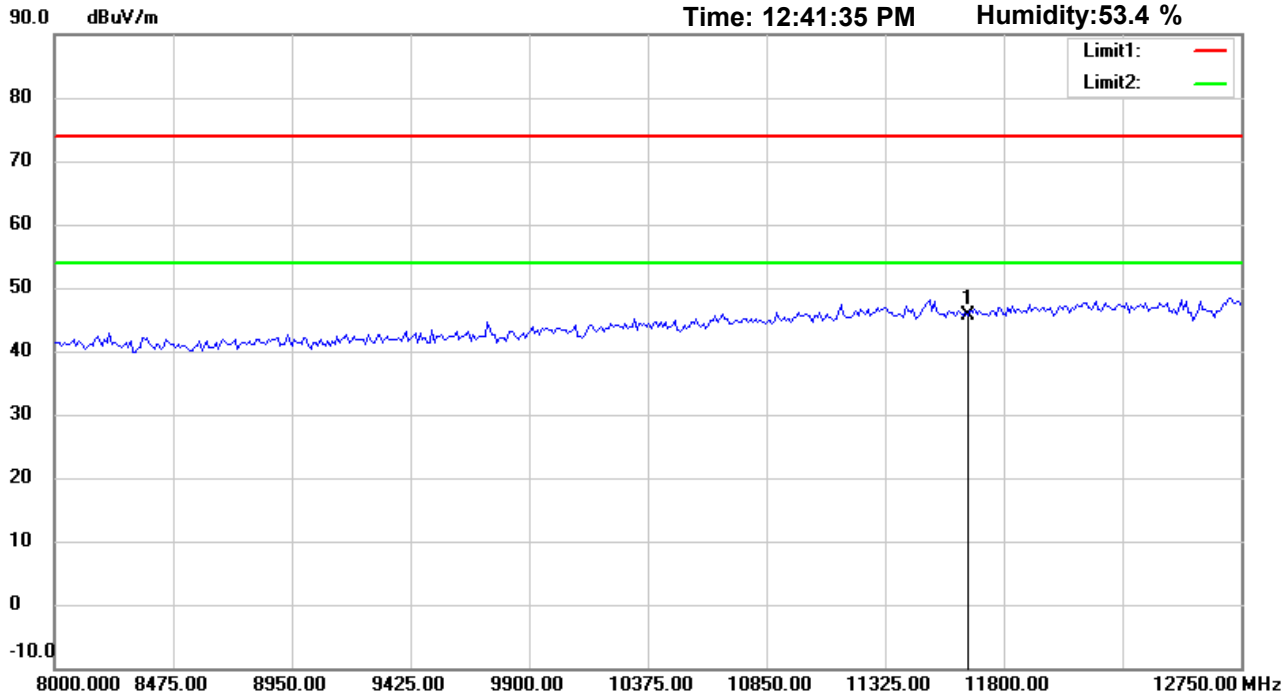
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 12/28/2019 Time: 12:41:35 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

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
*	11650.000	34.78	peak	10.97	45.75	74.00	150	80	-28.25	

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

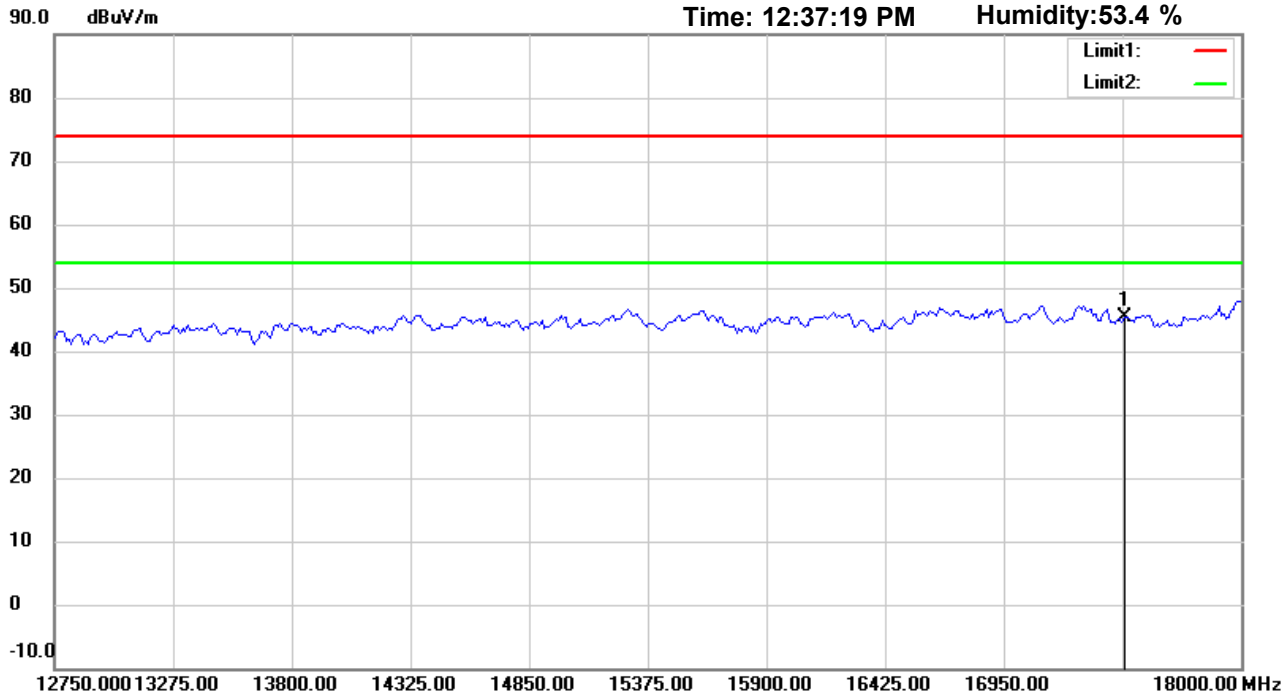
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 12/28/2019 Time: 12:37:19 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17475.000	24.96	peak	20.33	45.29	74.00	150	235	-28.71	

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

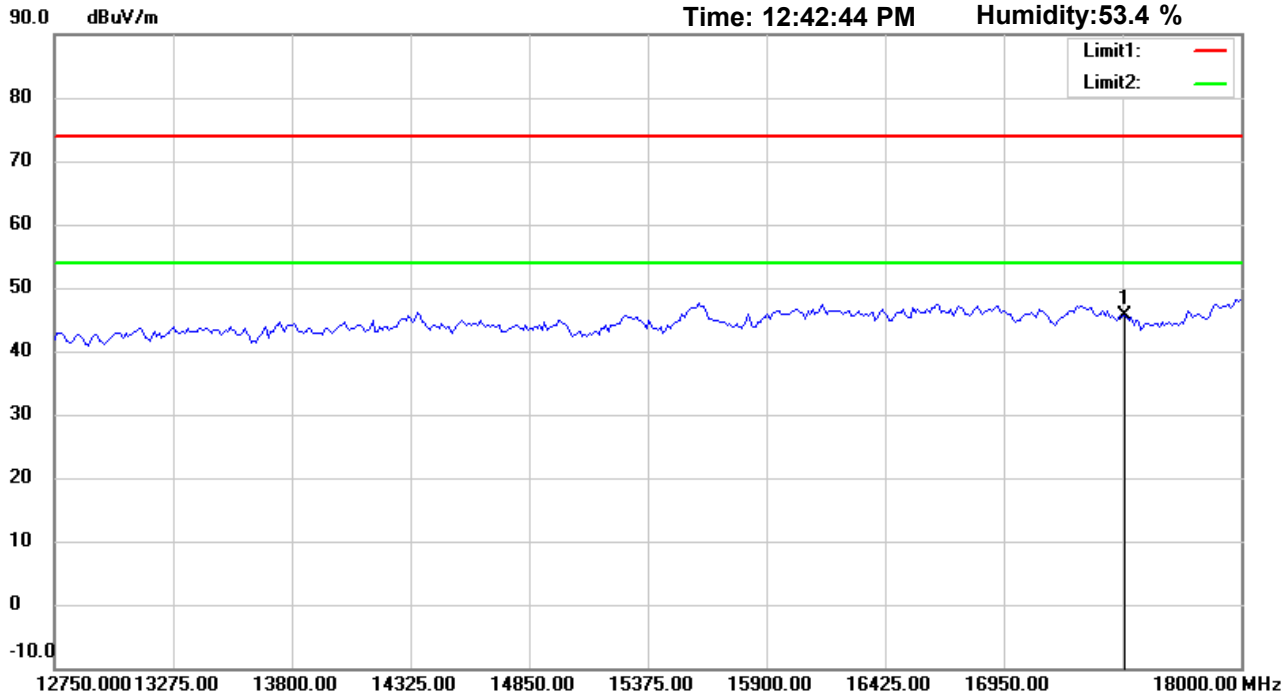
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 12/28/2019 Time: 12:42:44 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

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
*	17475.000	25.21	peak	20.33	45.54	74.00	150	80	-28.46	

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

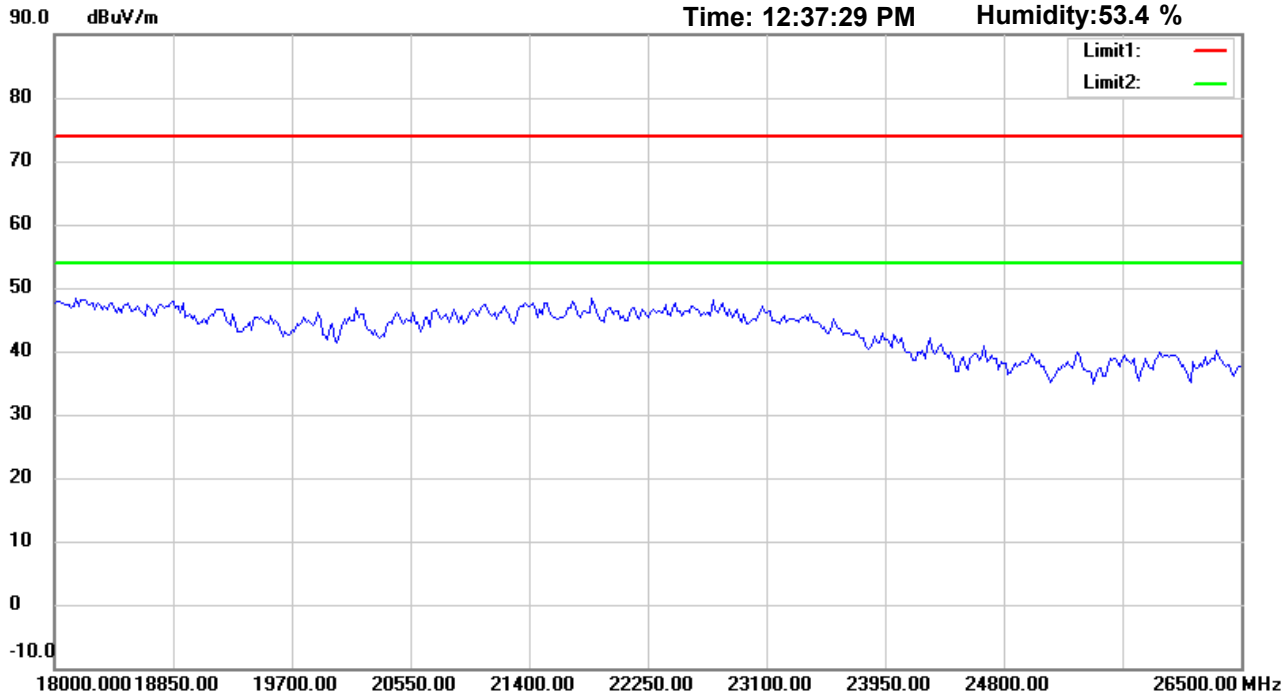
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 12/28/2019 Time: 12:37:29 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

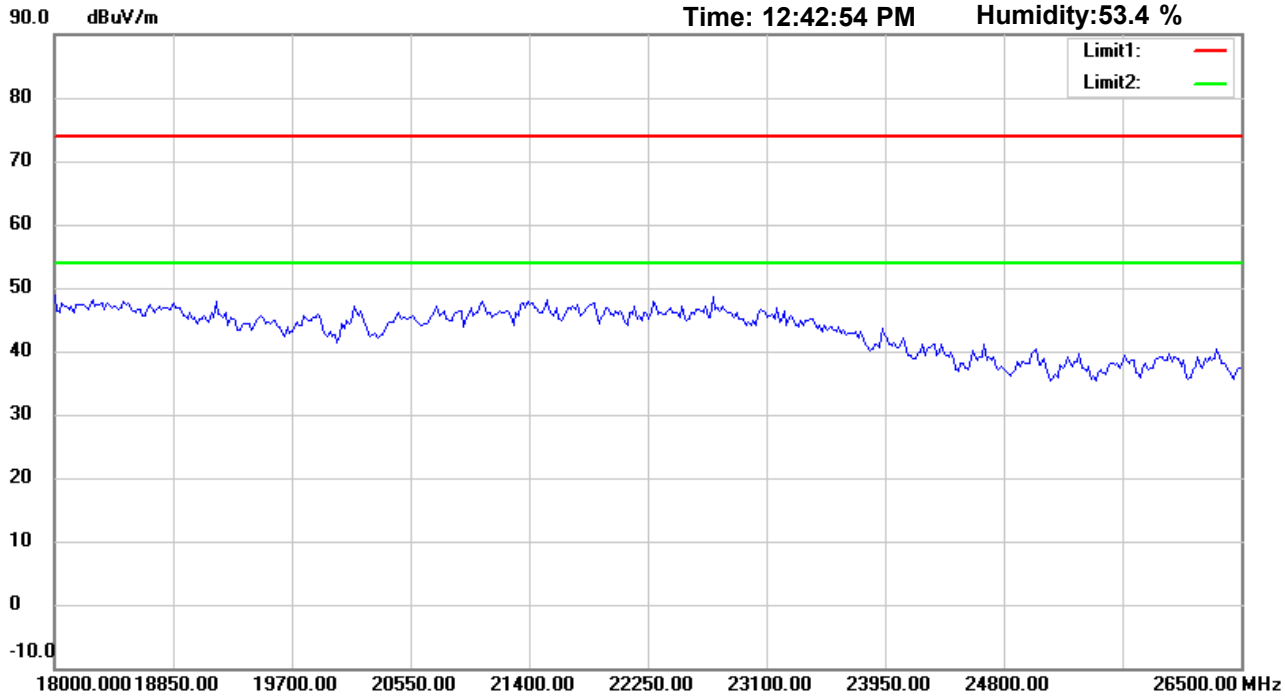
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#11 | Date: 12/28/2019 | Time: 12:42:54 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

Note :

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

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

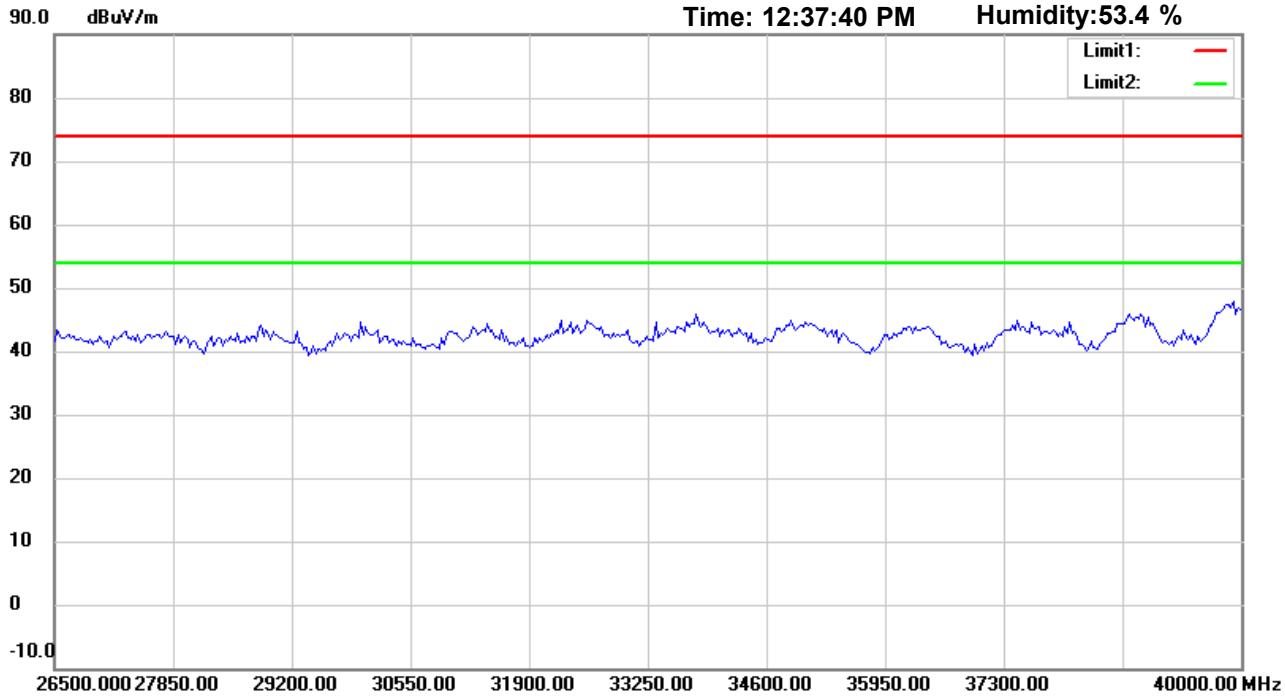
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 12/28/2019 Time: 12:37:40 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n20 CH165
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

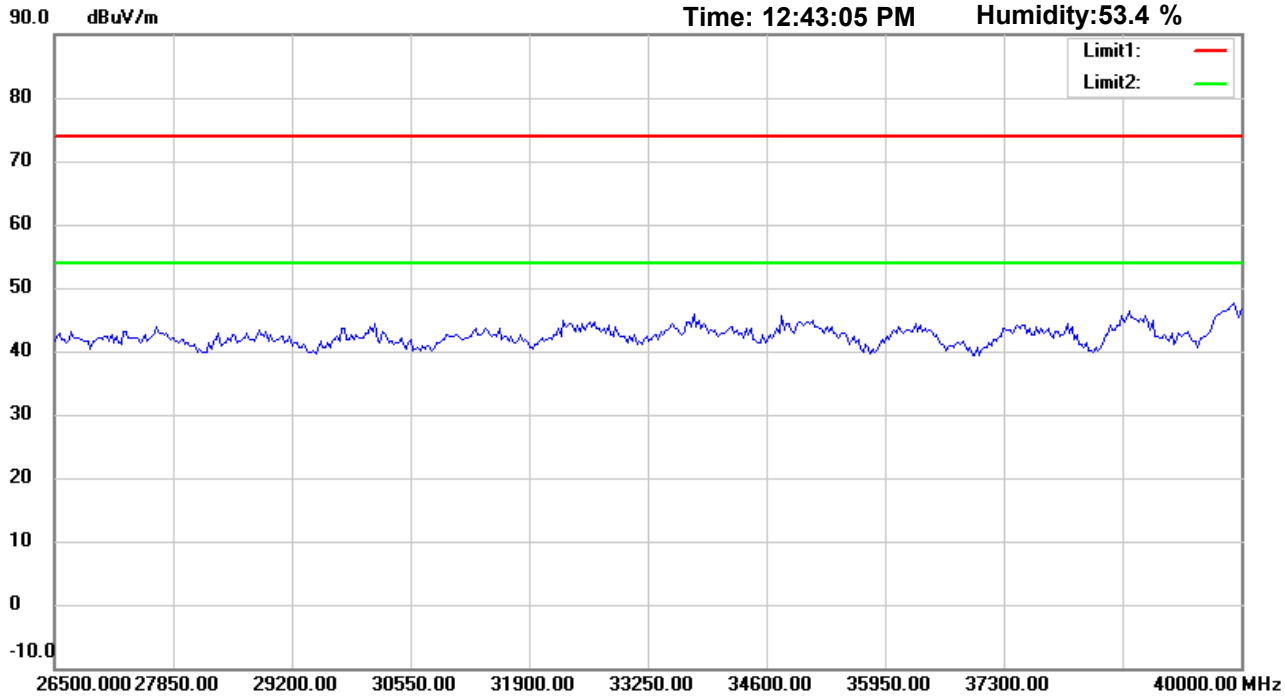
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#12 | Date: 12/28/2019 | Time: 12:43:05 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH165

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

ANT1+ANT2 802.11n40

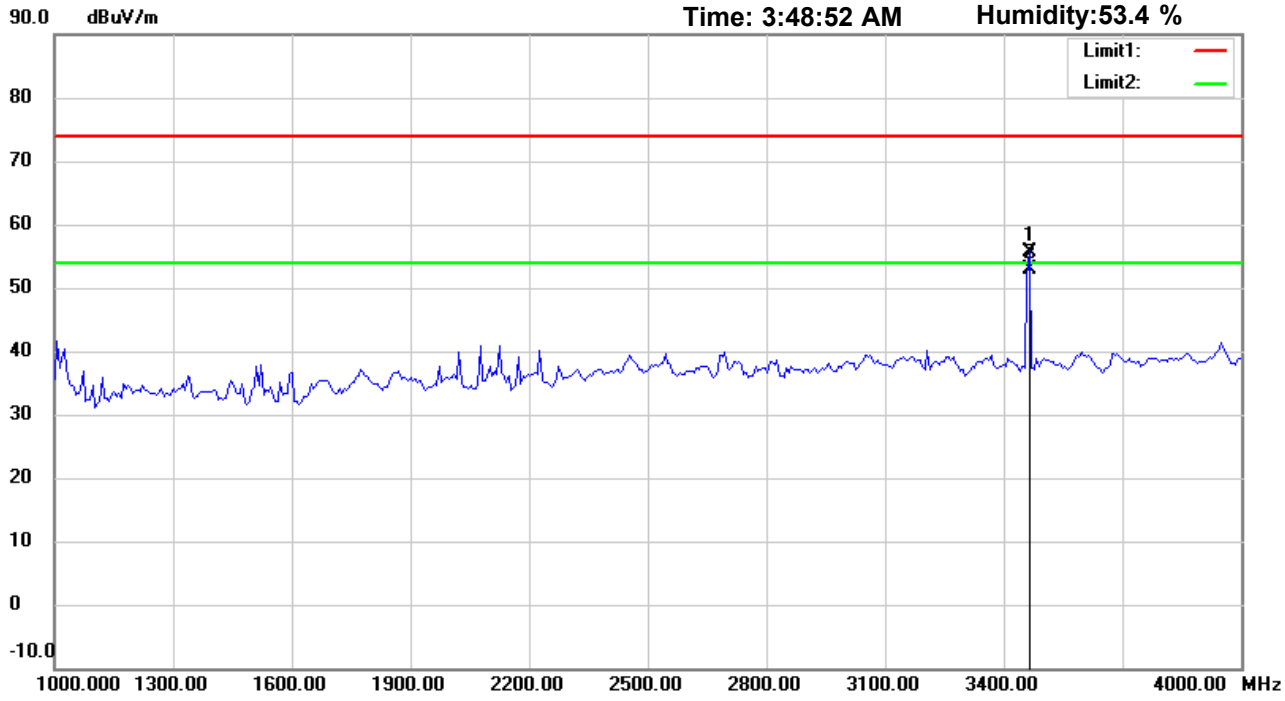
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 3:48:52 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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
	3460.085	59.37	peak	-3.74	55.63	74.00	150	75	-18.37	
*	3460.085	56.70	AVG	-3.74	52.96	54.00	150	75	-1.04	

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

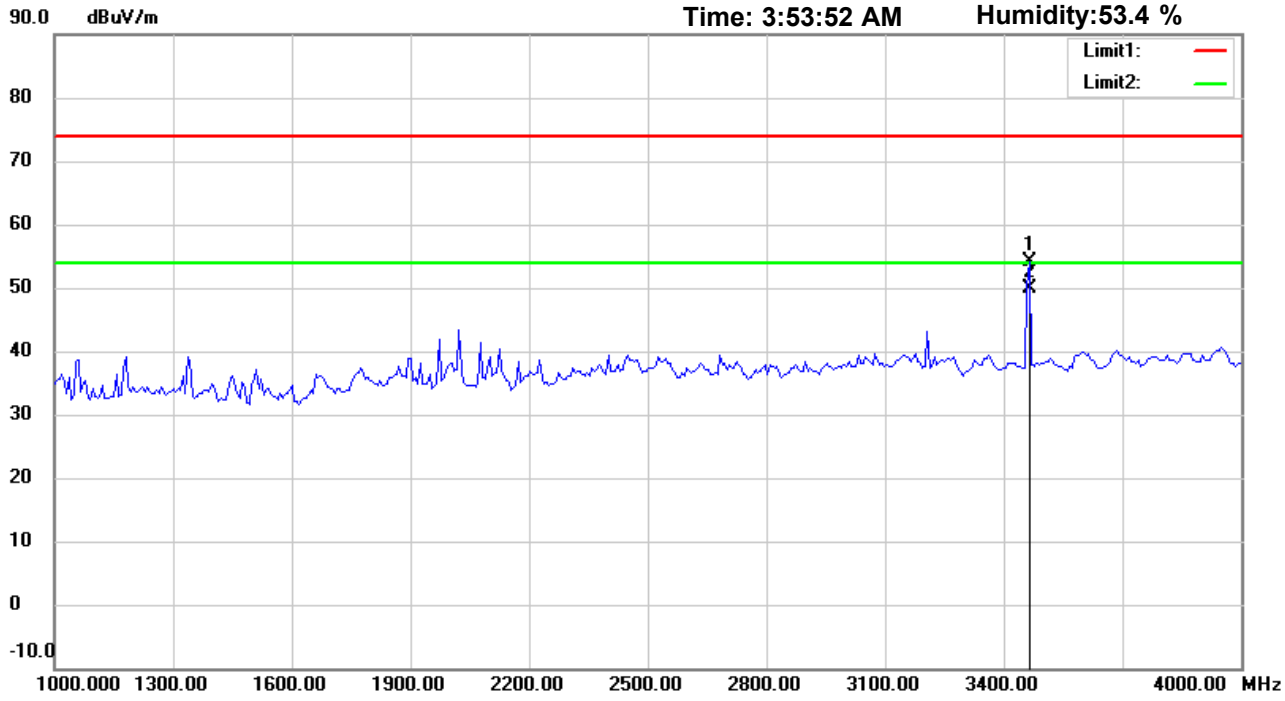
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 3:53:52 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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
	3460.045	57.91	peak	-3.74	54.17	74.00	150	245	-19.83	
*	3460.045	53.51	AVG	-3.74	49.77	54.00	150	245	-4.23	

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

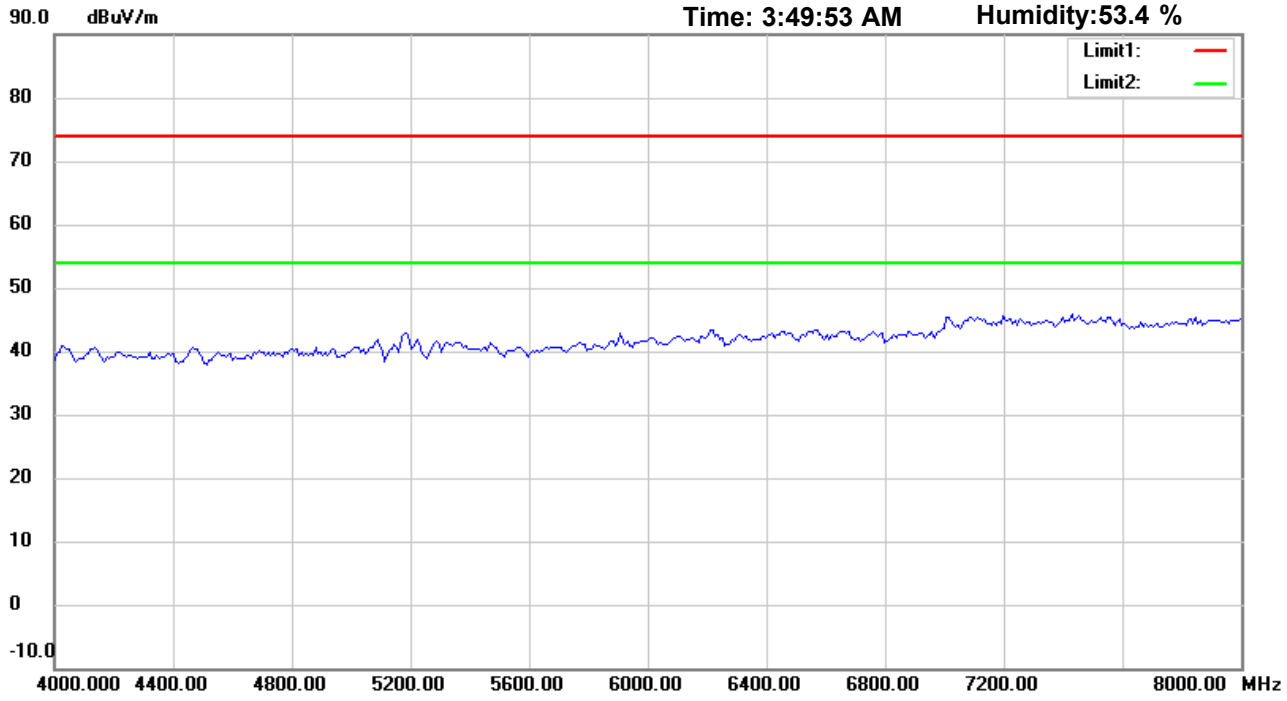
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 3:49:53 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

Note :

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

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

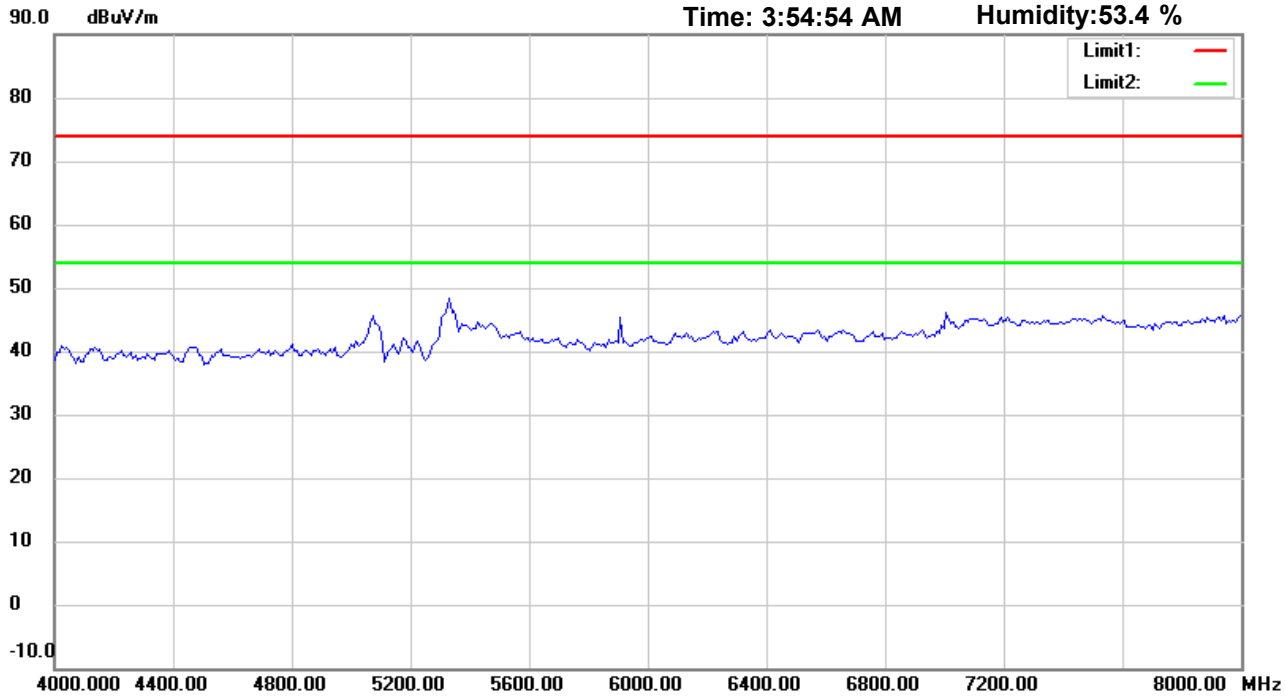
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 3:54:54 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

Note :

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

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

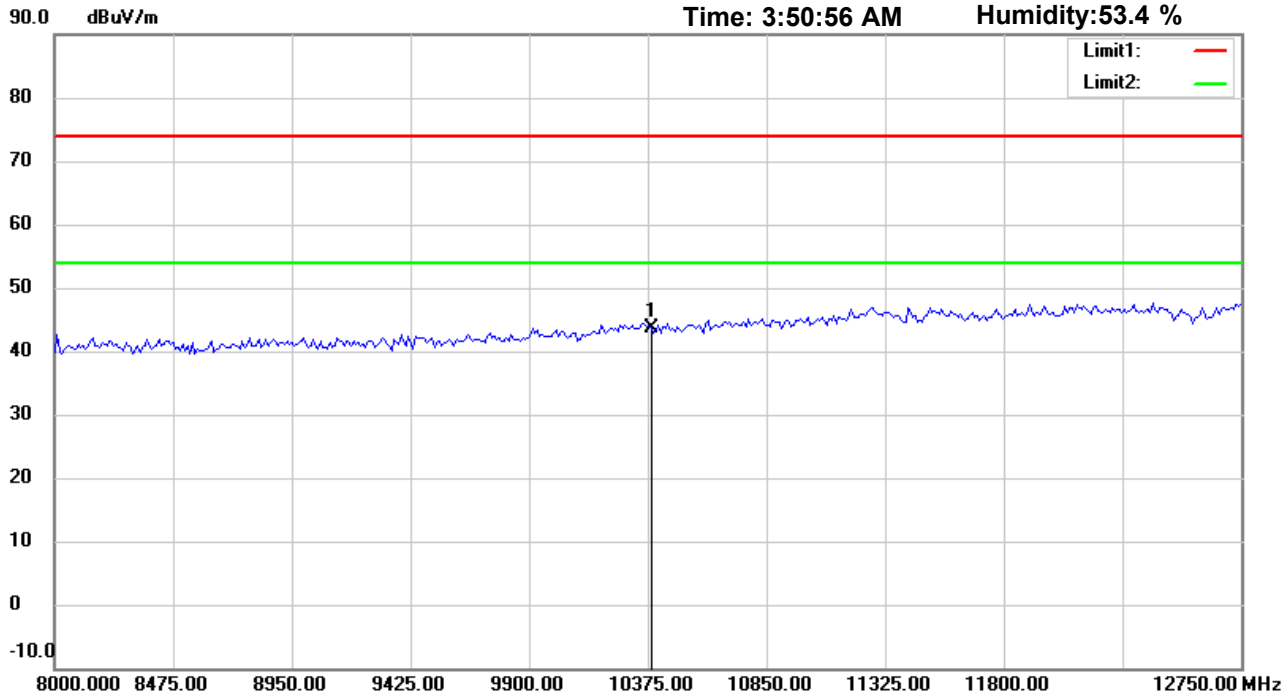
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 3:50:56 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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
*	10380.000	35.46	peak	8.22	43.68	74.00	150	250	-30.32	

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

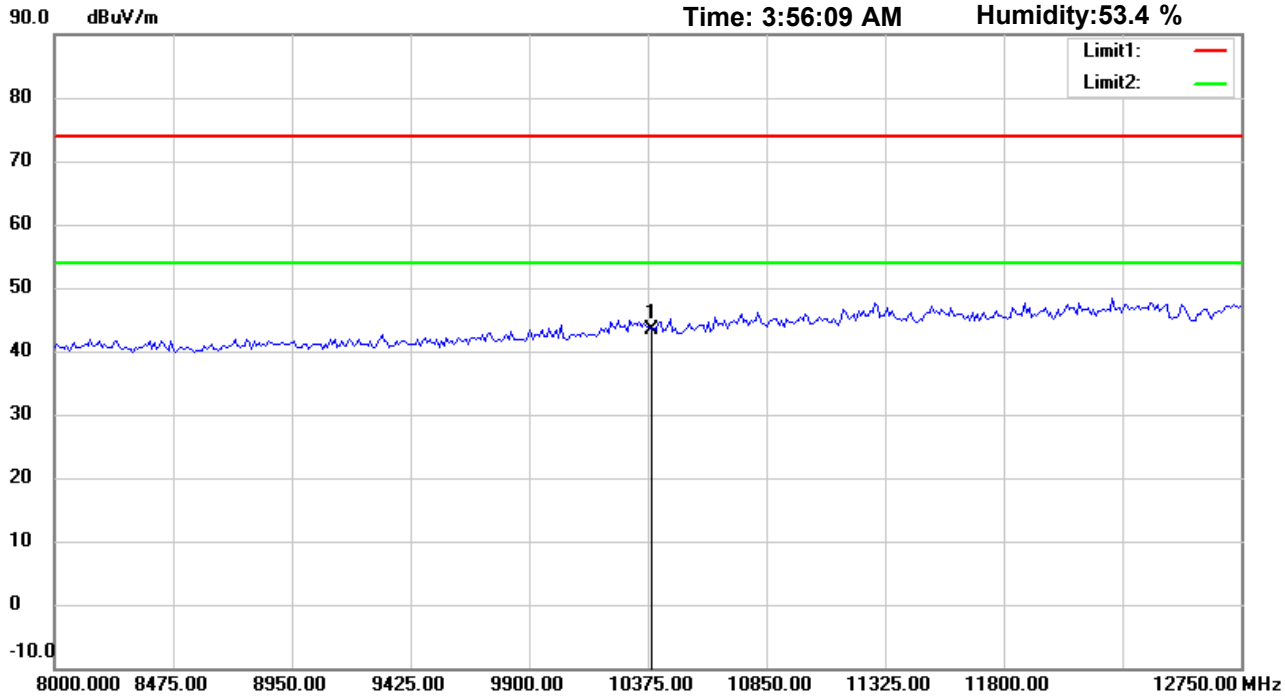
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 3:56:09 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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
*	10380.000	35.20	peak	8.22	43.42	74.00	150	20	-30.58	

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

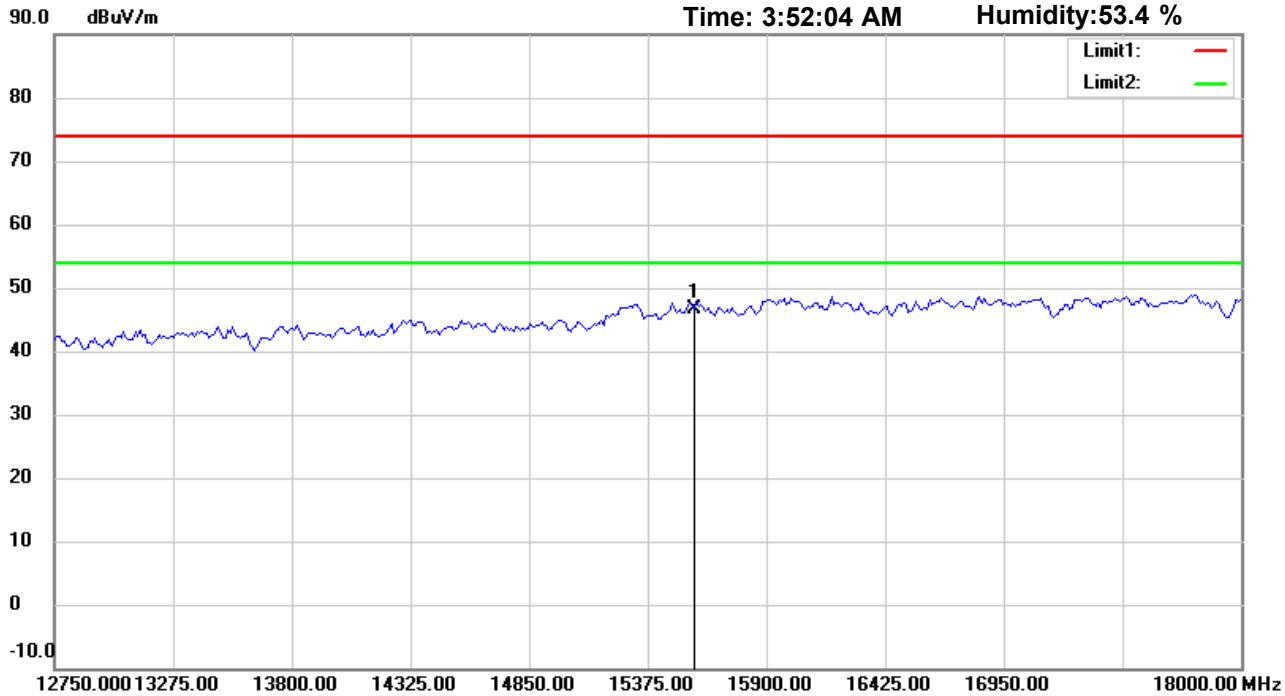
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 3:52:04 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH38
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15570.000	27.20	peak	19.36	46.56	74.00	150	310	-27.44	

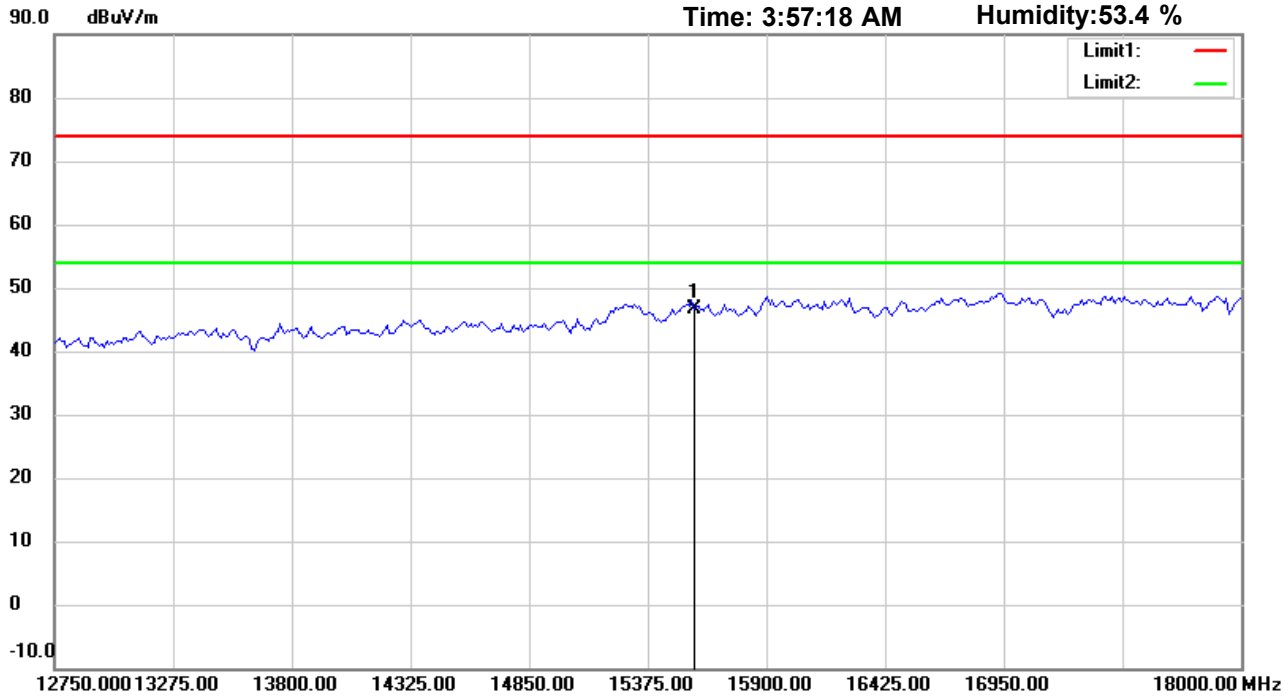
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 3:57:18 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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
*	15570.000	27.36	peak	19.36	46.72	74.00	150	110	-27.28	

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

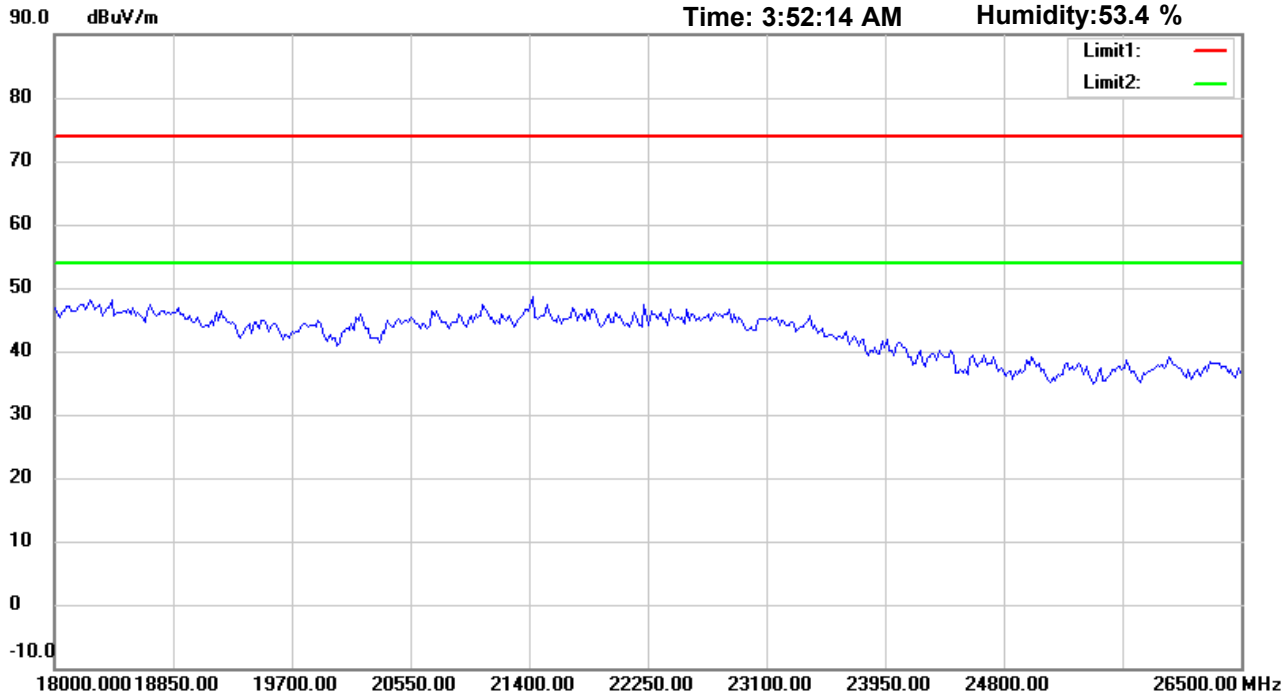
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 3:52:14 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH38
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

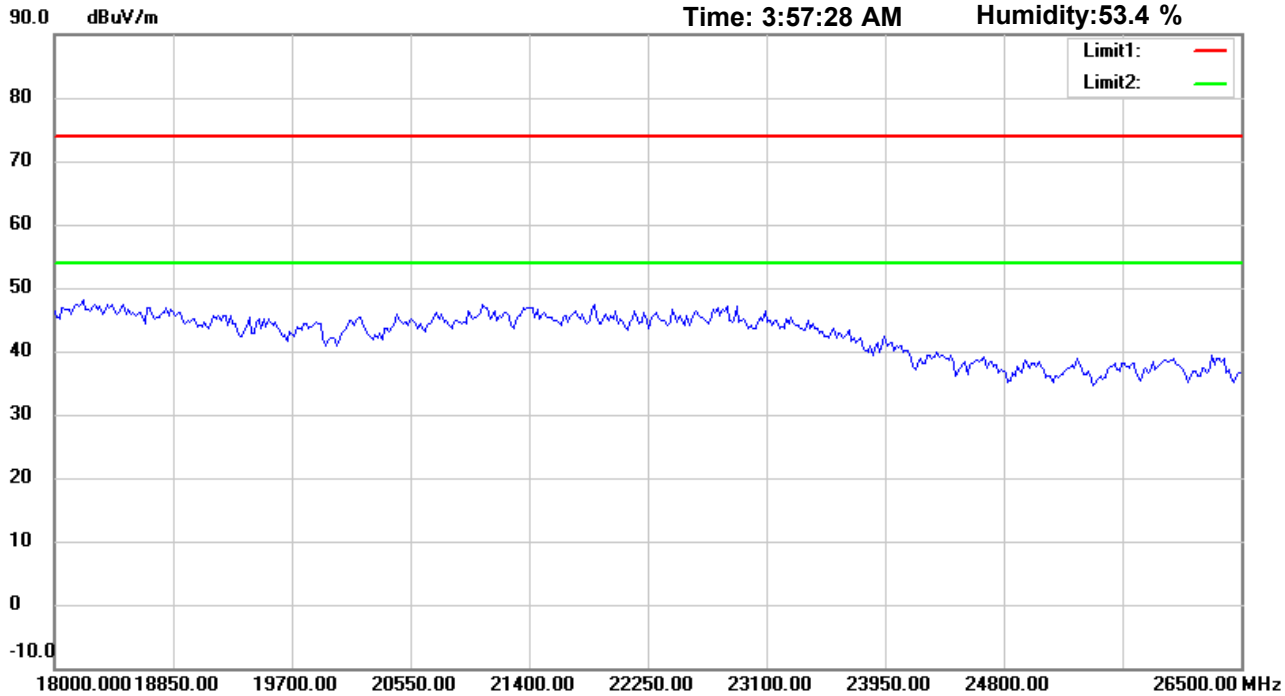
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 3:57:28 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

Note :

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

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

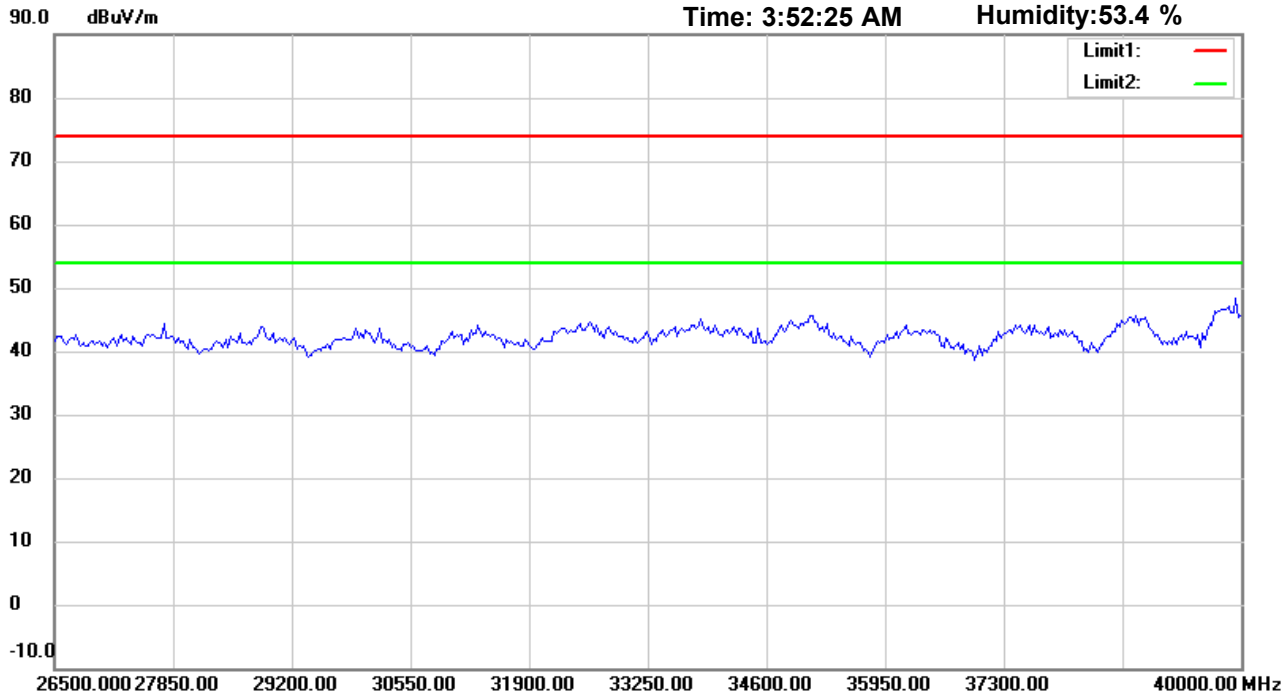
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 3:52:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH38
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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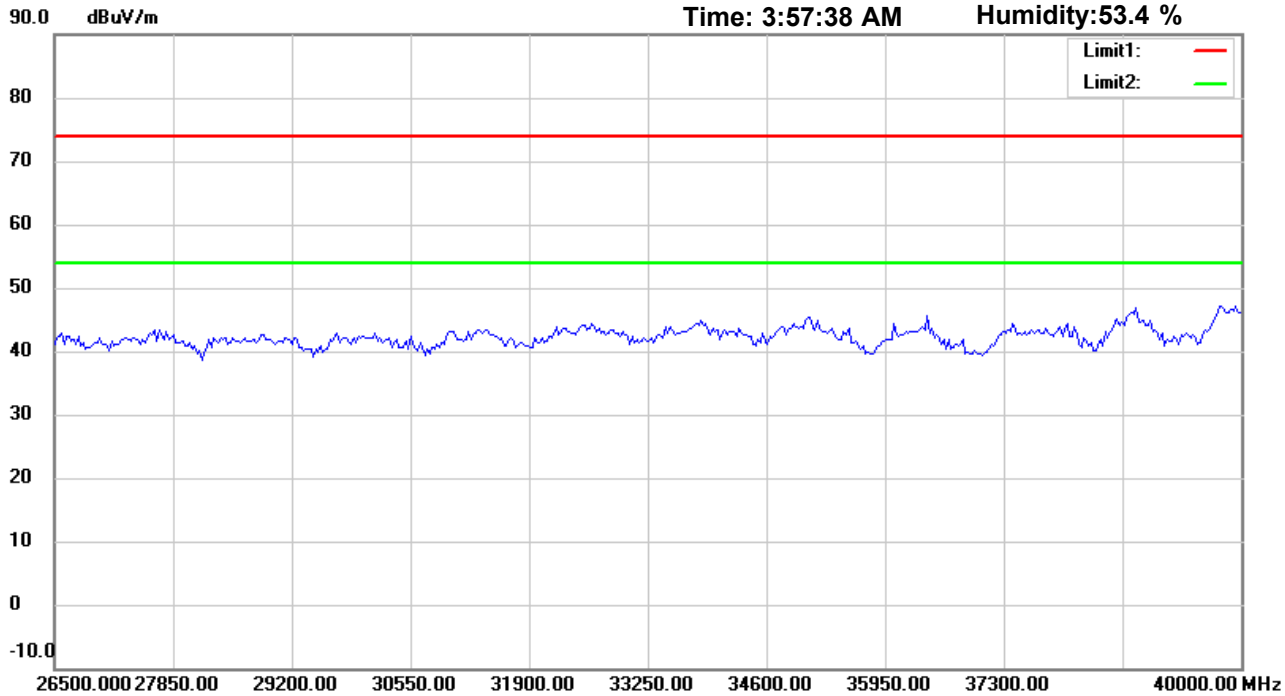
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 3:57:38 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH38

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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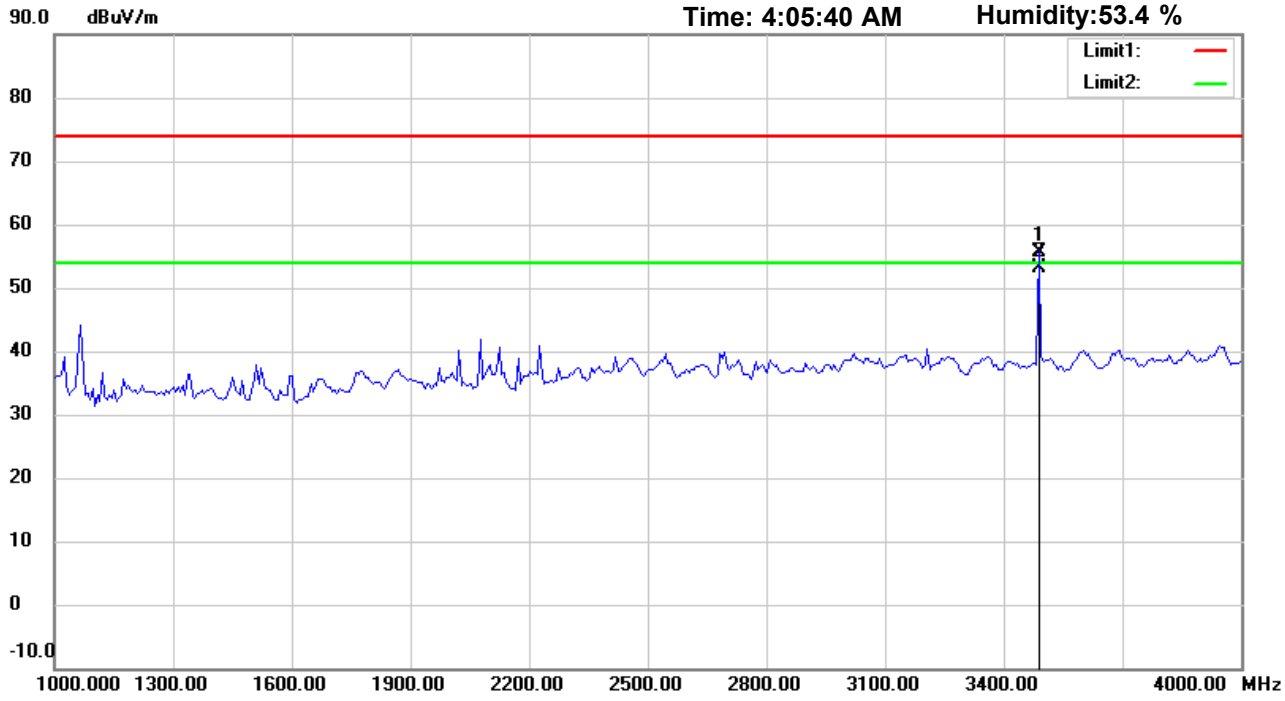
Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 4:05:40 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
	3486.633	59.37	peak	-3.72	55.65	74.00	150	40	-18.35	
*	3486.633	56.91	AVG	-3.72	53.19	54.00	150	40	-0.81	

*: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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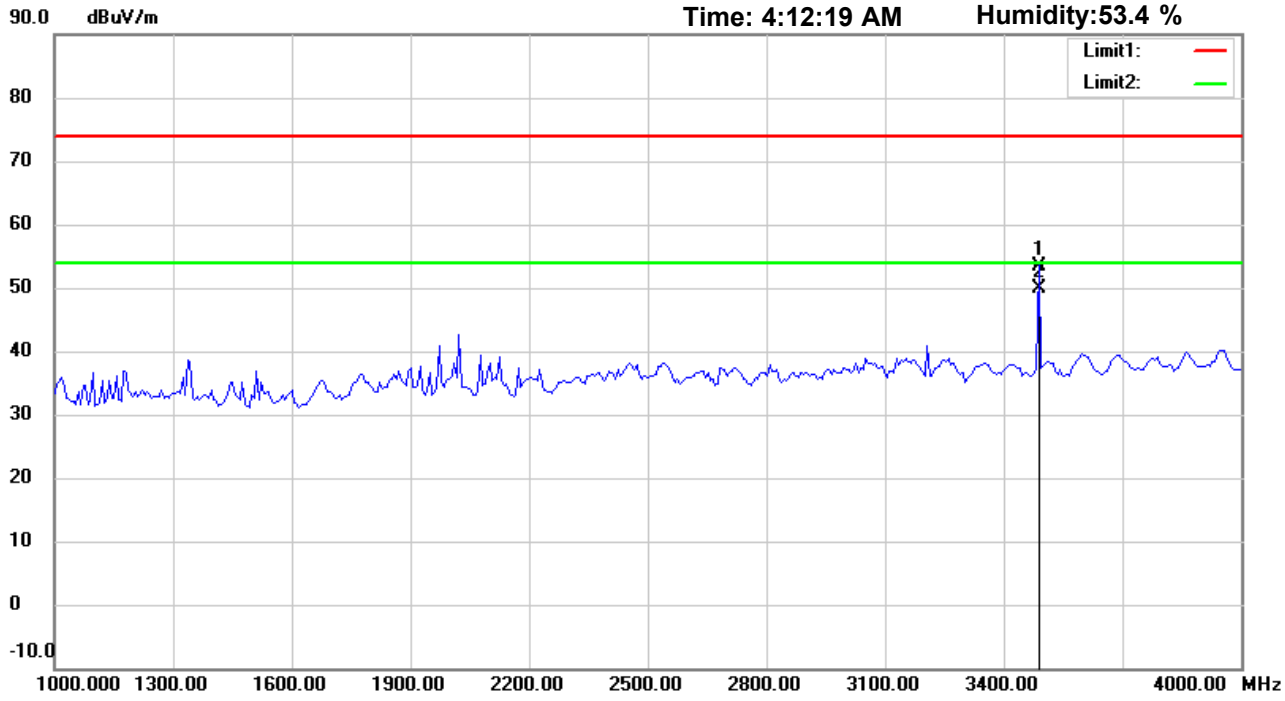
Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 4:12:19 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
	3486.633	57.20	peak	-3.72	53.48	74.00	150	120	-20.52	
*	3486.633	53.49	AVG	-3.72	49.77	54.00	150	120	-4.23	

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

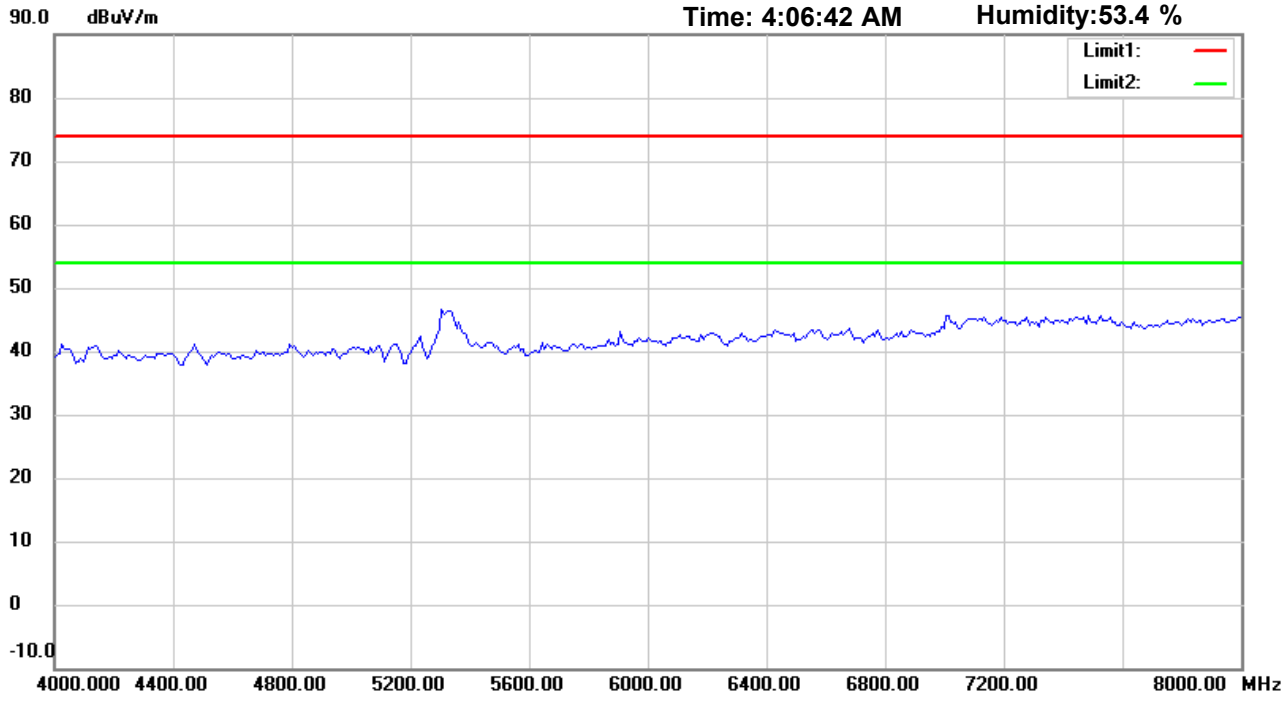
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 4:06:42 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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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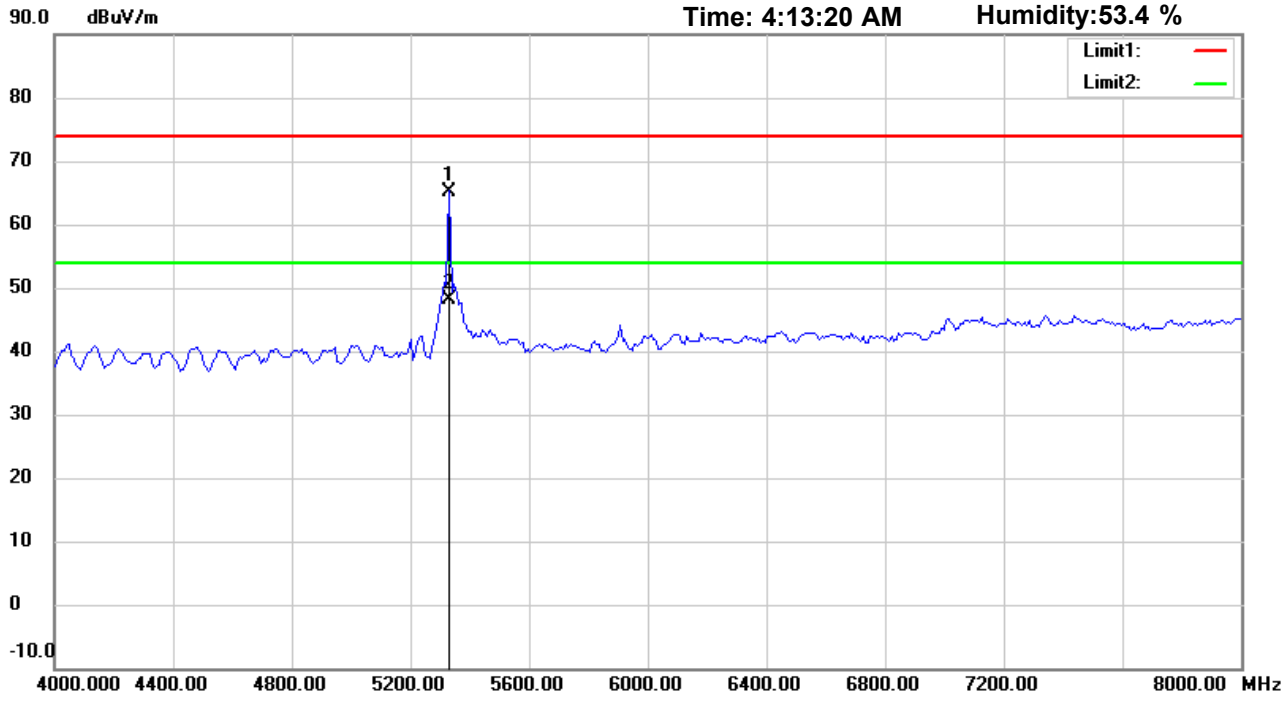
Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 4:13:20 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
	5324.068	65.66	peak	-0.41	65.25	74.00	210	290	-8.75	
*	5324.068	48.58	AVG	-0.41	48.17	54.00	210	290	-5.83	

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

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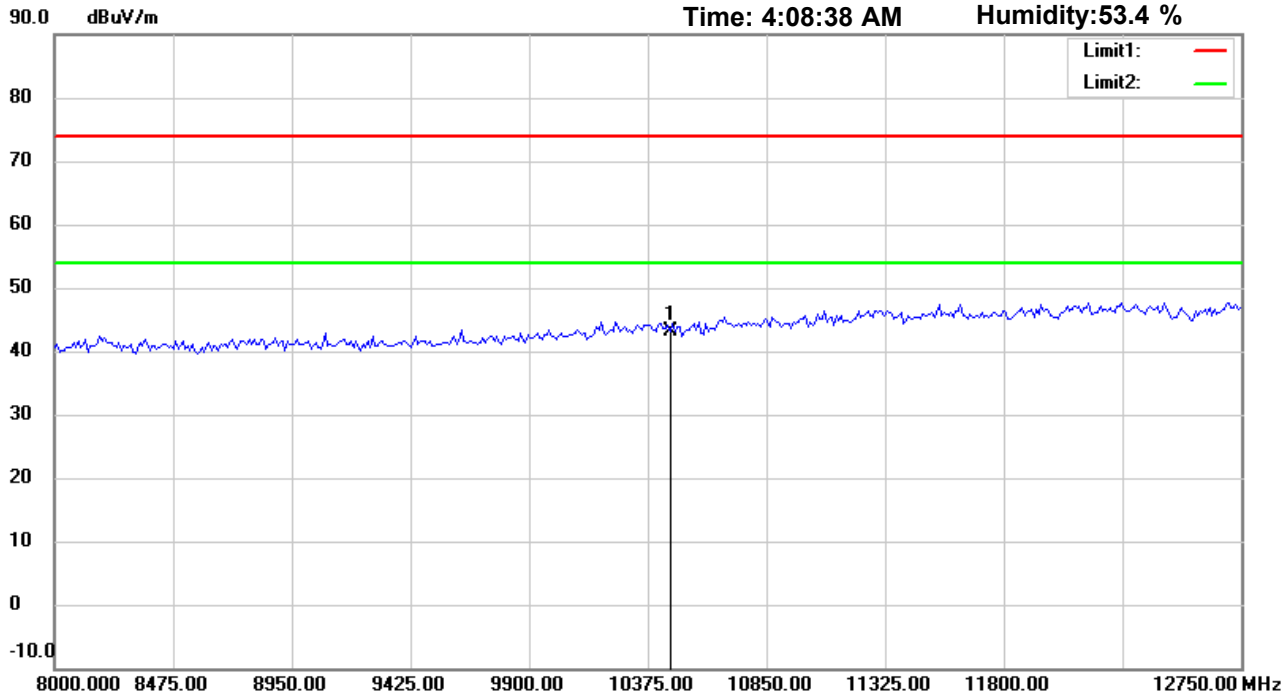
Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 4:08:38 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
*	10460.000	34.84	peak	8.40	43.24	74.00	150	165	-30.76	

*: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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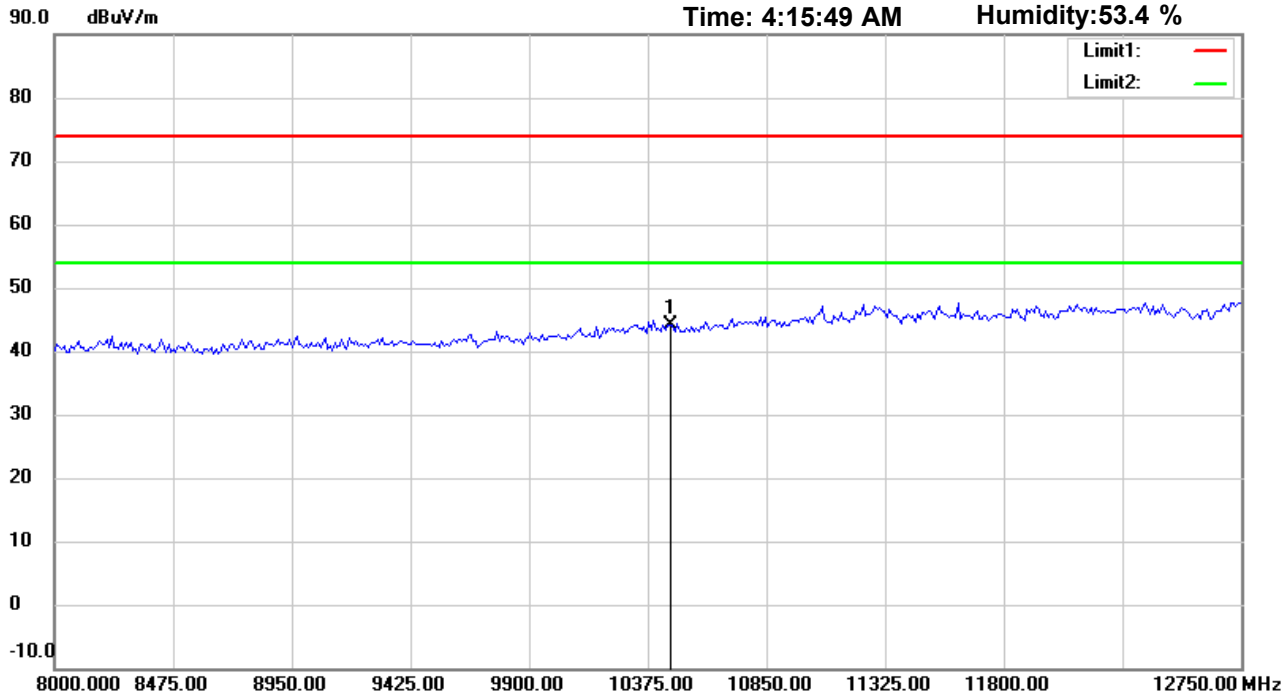
Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 4:15:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
*	10460.000	35.81	peak	8.40	44.21	74.00	150	195	-29.79	

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

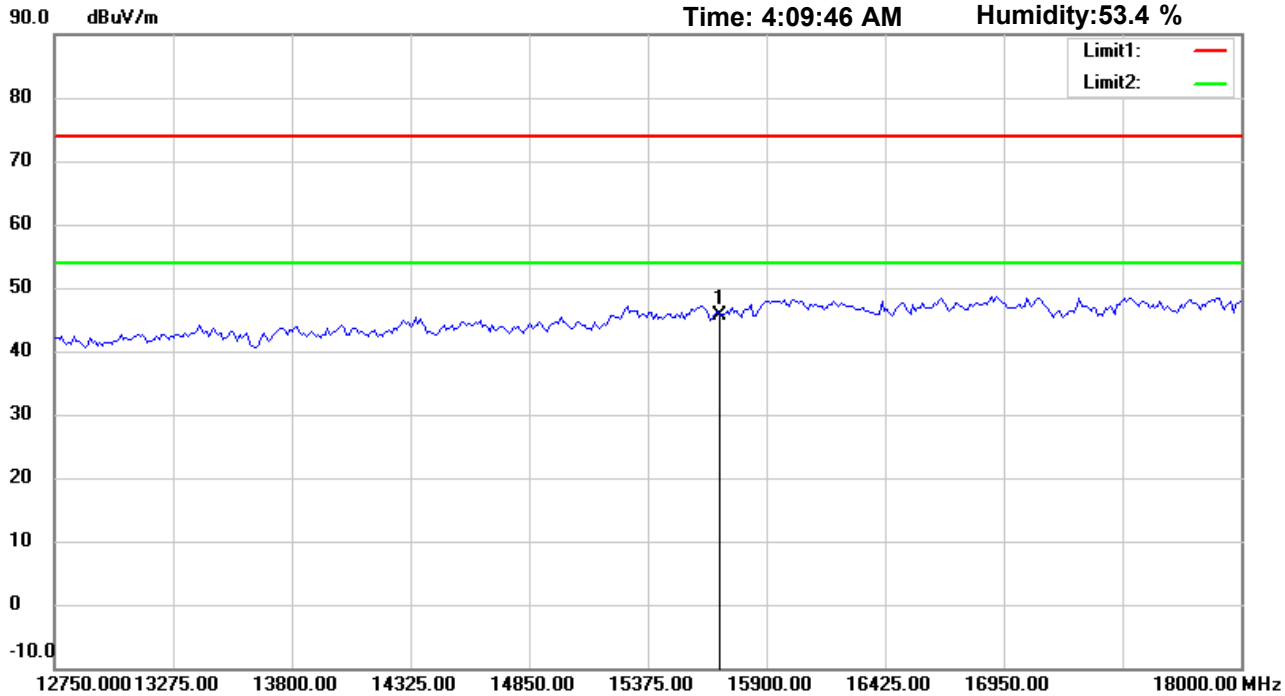
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 4:09:46 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
*	15690.000	27.94	peak	17.61	45.55	74.00	150	255	-28.45	

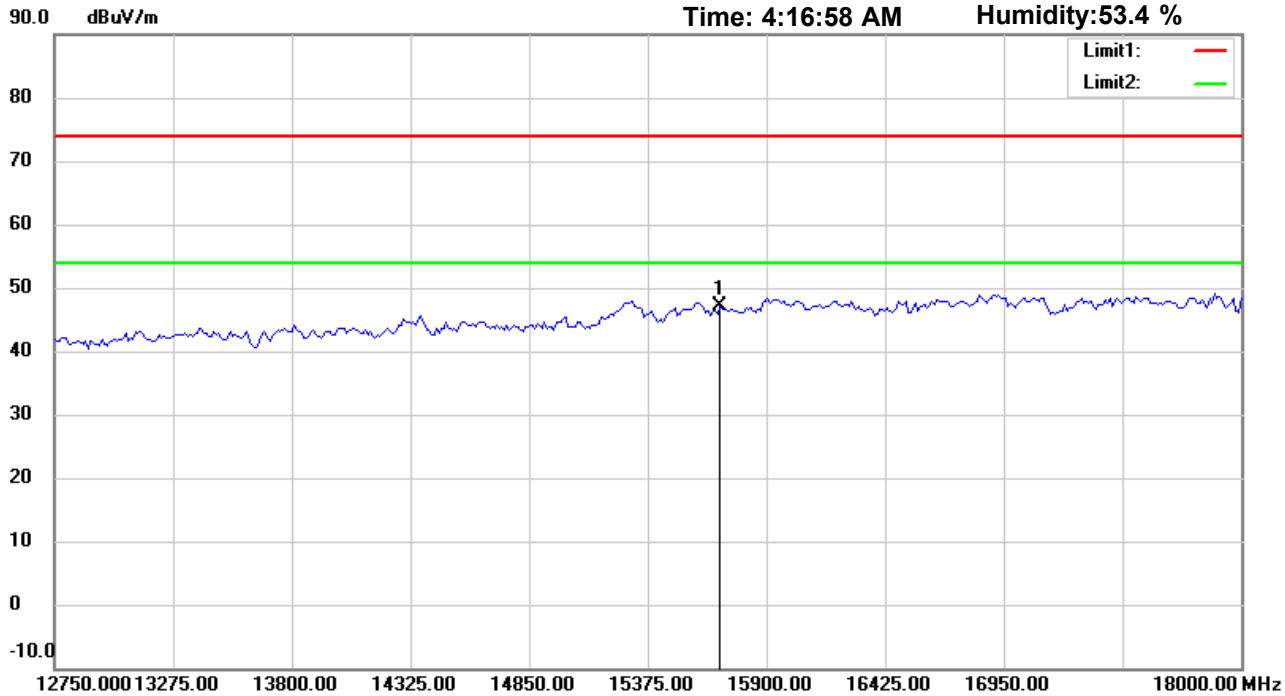
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 4:16:58 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

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
*	15690.000	29.43	peak	17.61	47.04	74.00	150	310	-26.96	

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

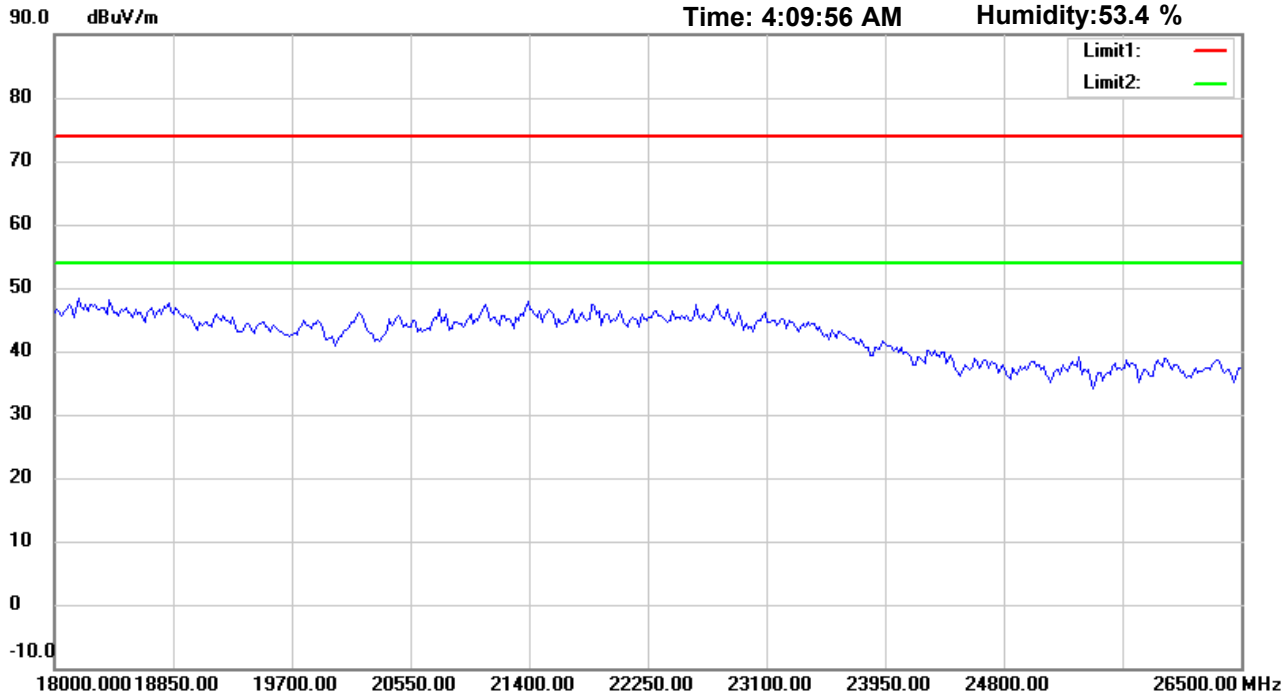
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 4:09:56 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH46
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

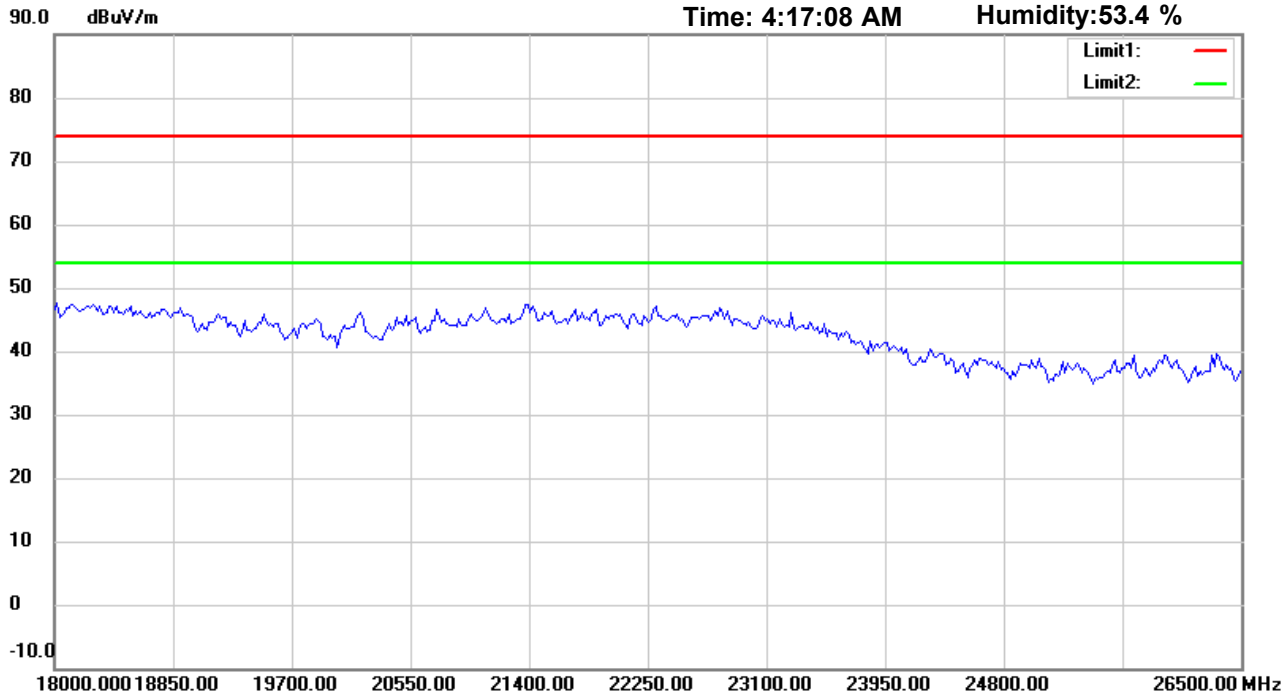
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 4:17:08 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

Note :

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

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

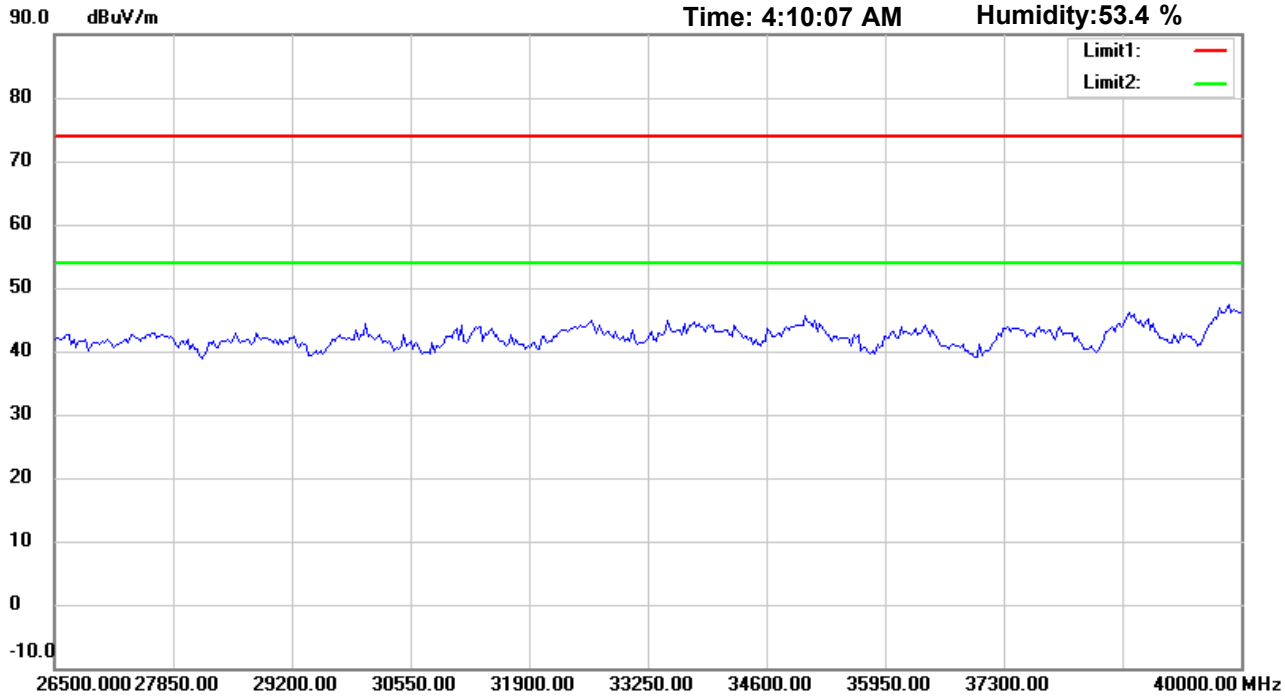
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 4:10:07 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH46
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

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

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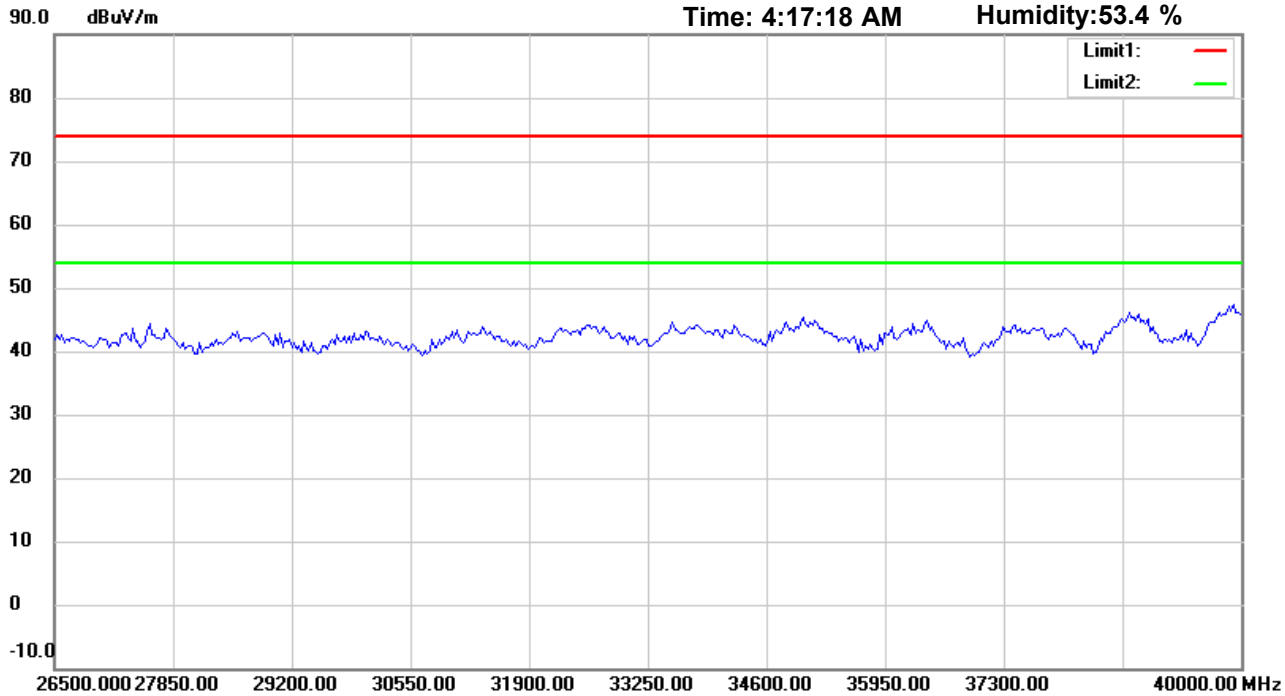
Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 4:17:18 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH46

Note :

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

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

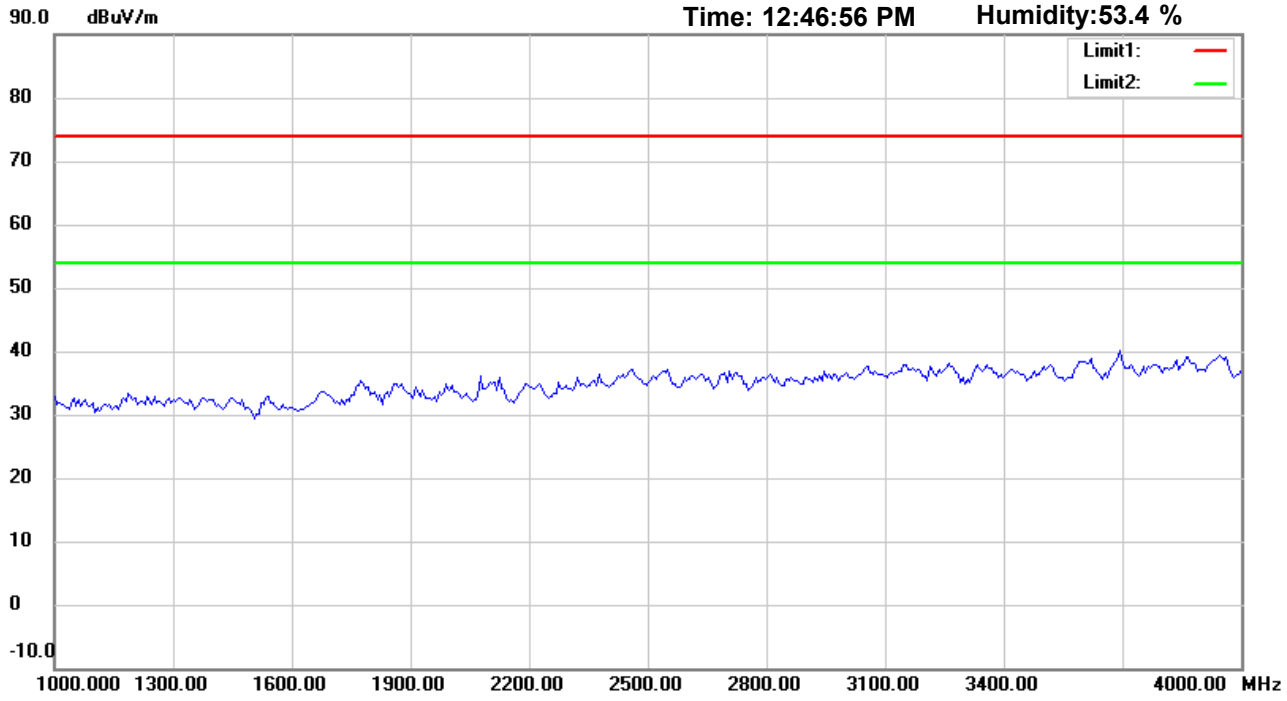
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 12/28/2019 Time: 12:46:56 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

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

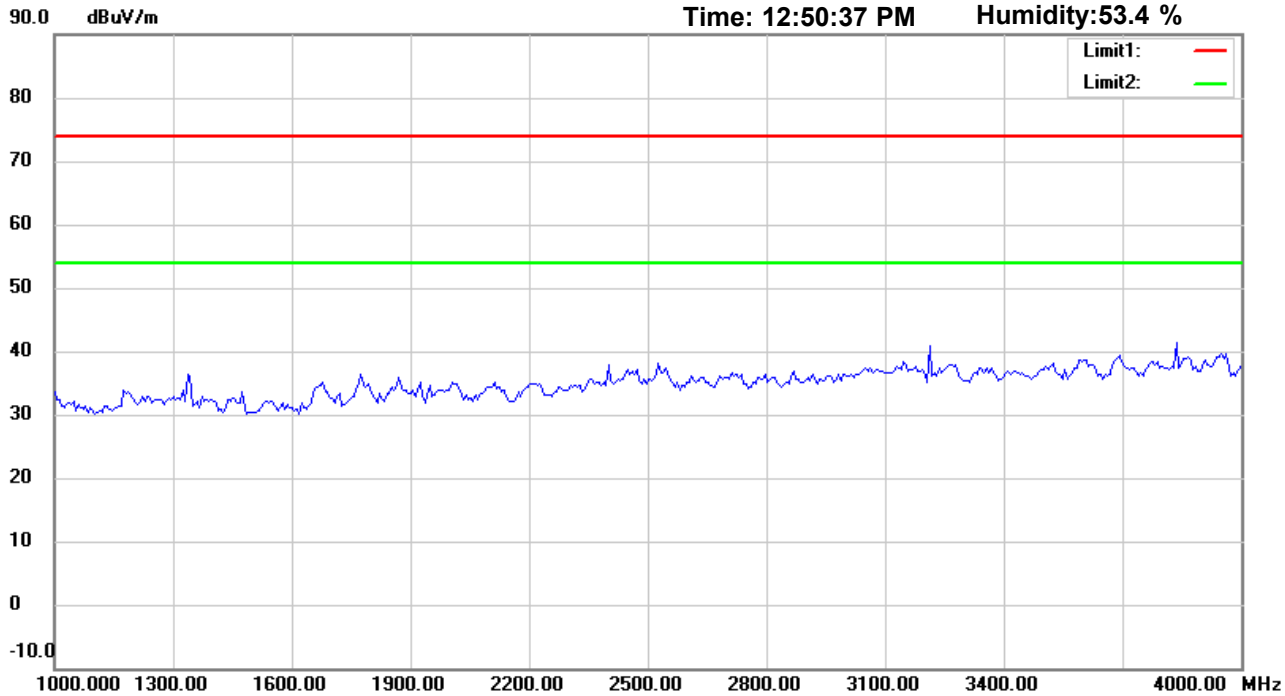
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 12/28/2019 Time: 12:50:37 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

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

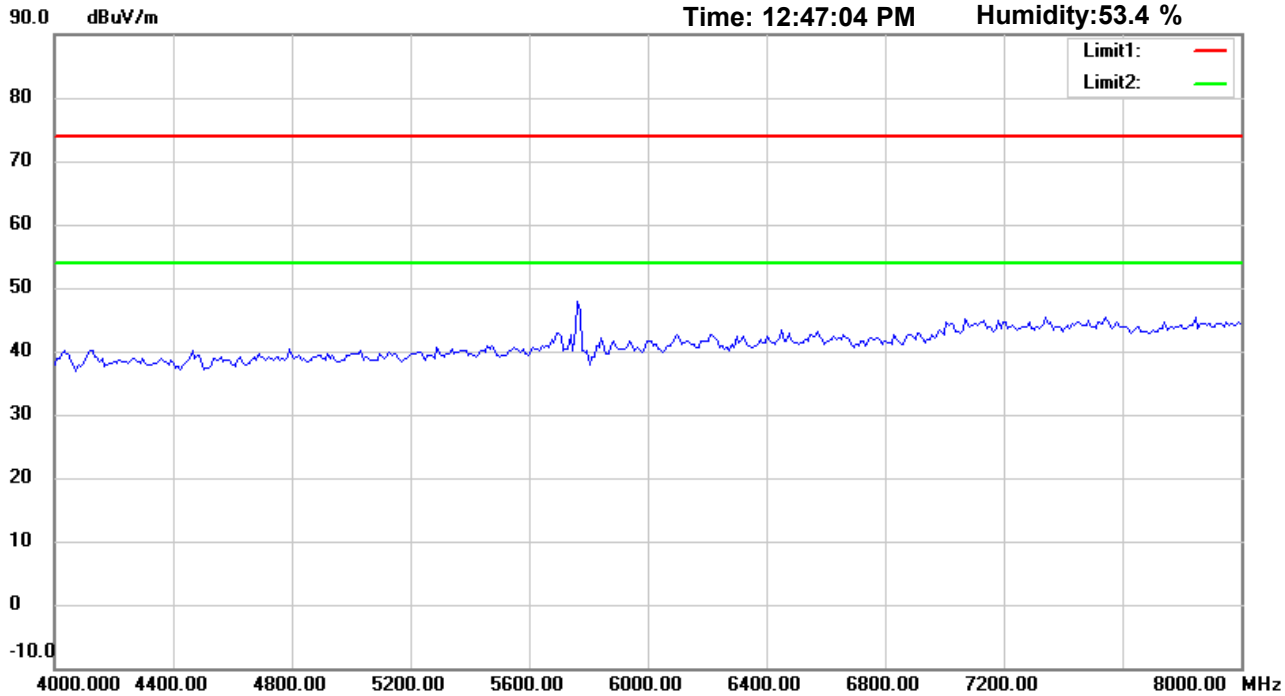
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 12/28/2019 Time: 12:47:04 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

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

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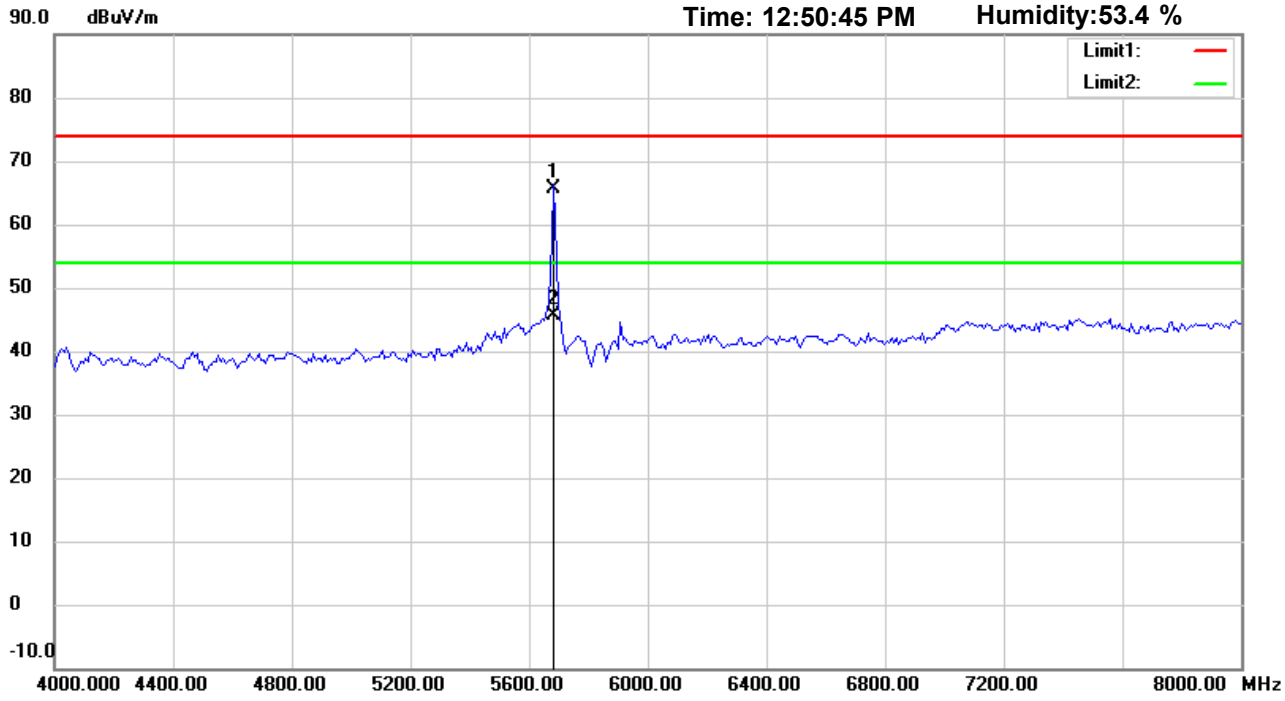
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 12/28/2019 Time: 12:50:45 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

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
*	5681.664	65.66	peak	0.04	65.70	74.00	150	119	-8.30	
	5681.664	45.50	AVG	0.04	45.54	54.00	150	119	-8.46	

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

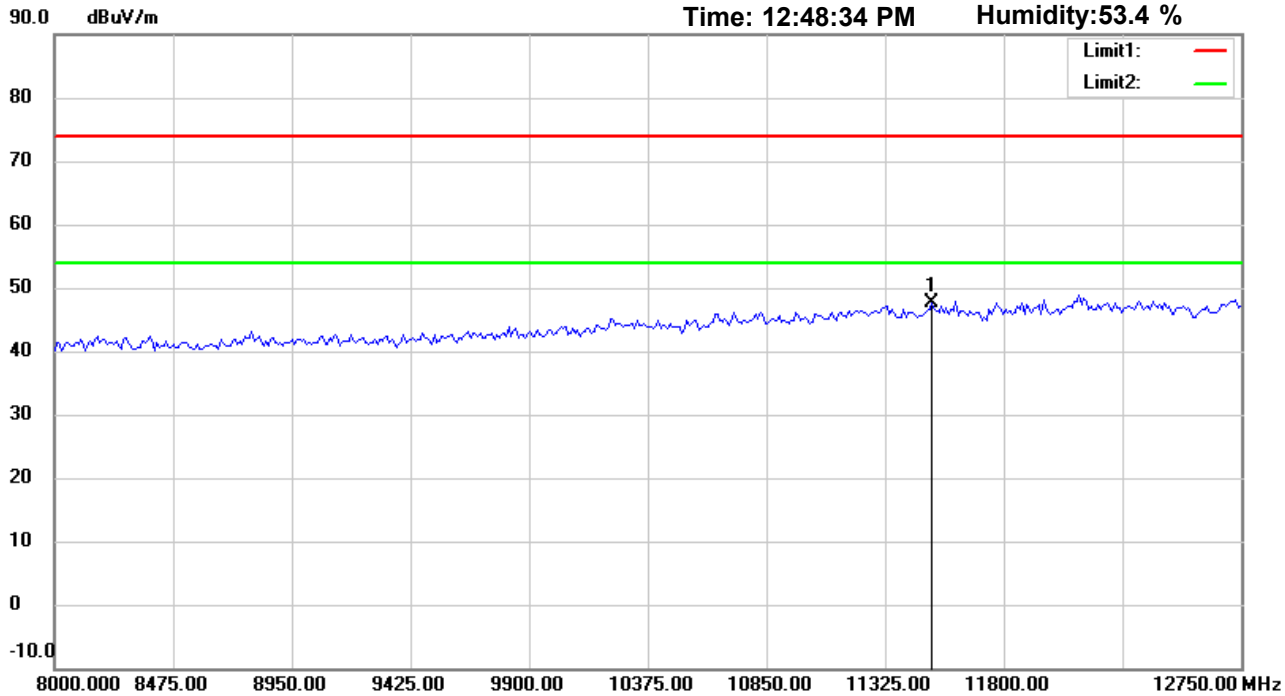
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 12/28/2019 Time: 12:48:34 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

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
*	11510.000	36.19	peak	11.39	47.58	74.00	150	90	-26.42	

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

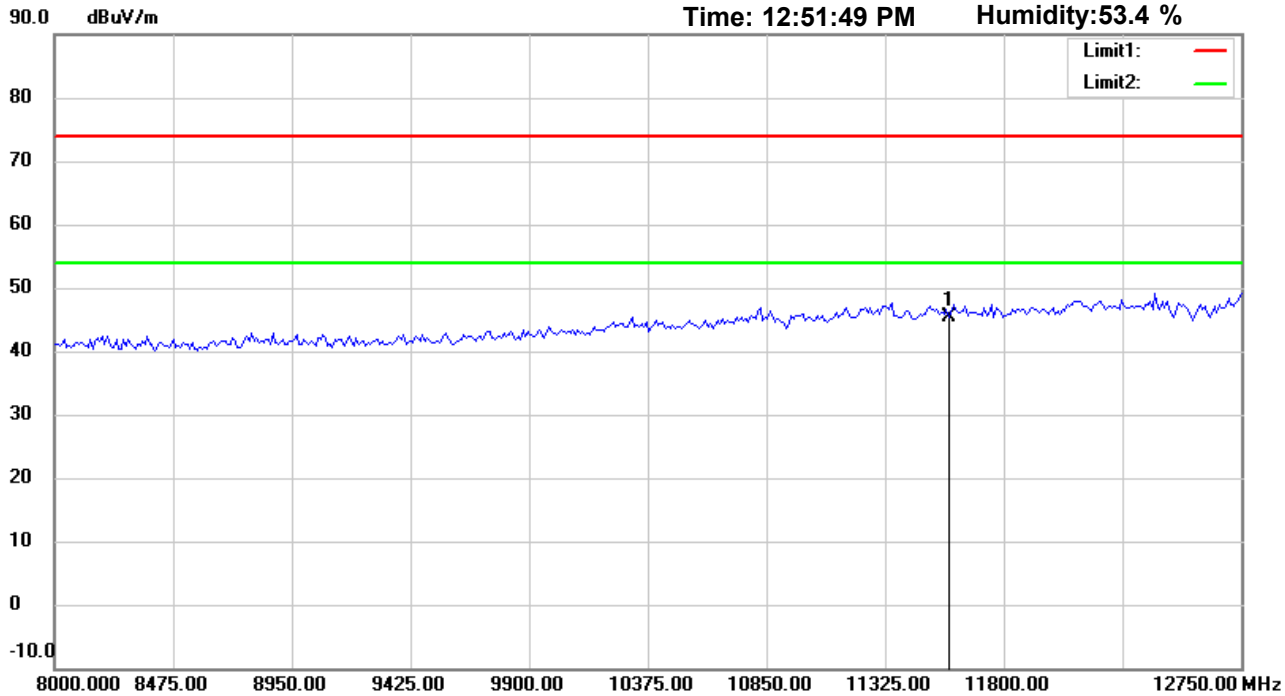
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 12/28/2019 Time: 12:51:49 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

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
*	11570.000	34.36	peak	11.12	45.48	74.00	150	235	-28.52	

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

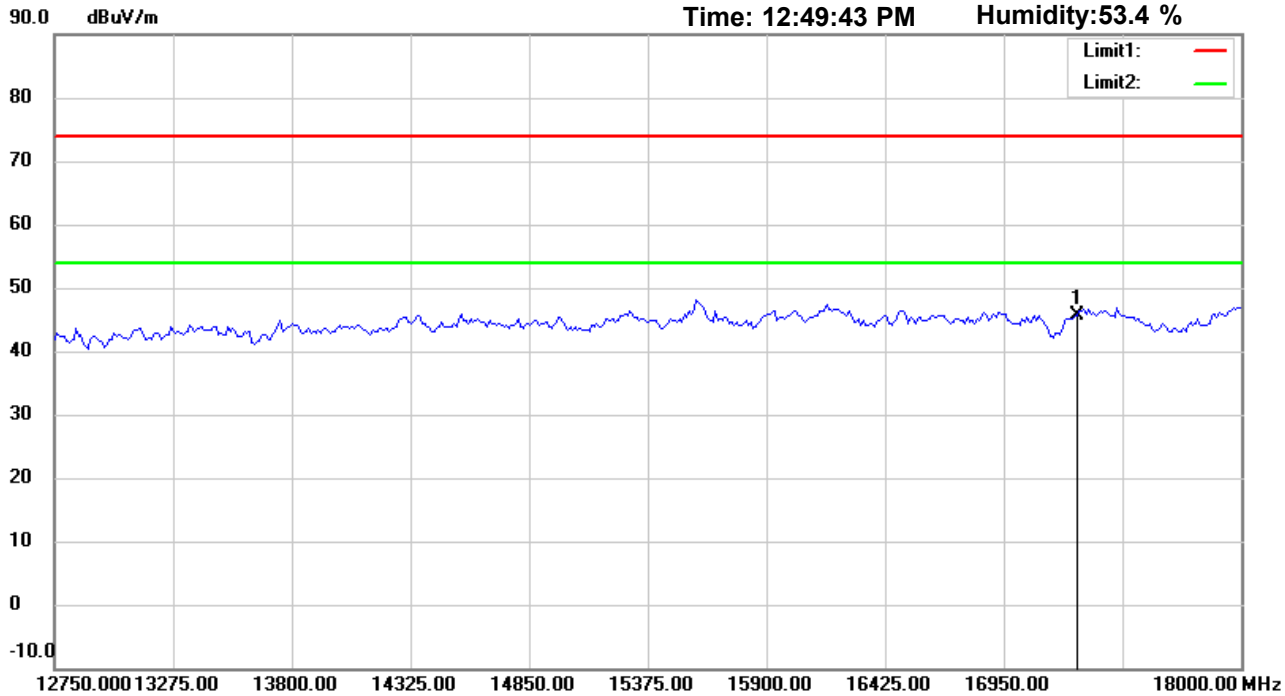
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 12/28/2019 Time: 12:49:43 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

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
*	17265.000	25.69	peak	20.02	45.71	74.00	150	230	-28.29	

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

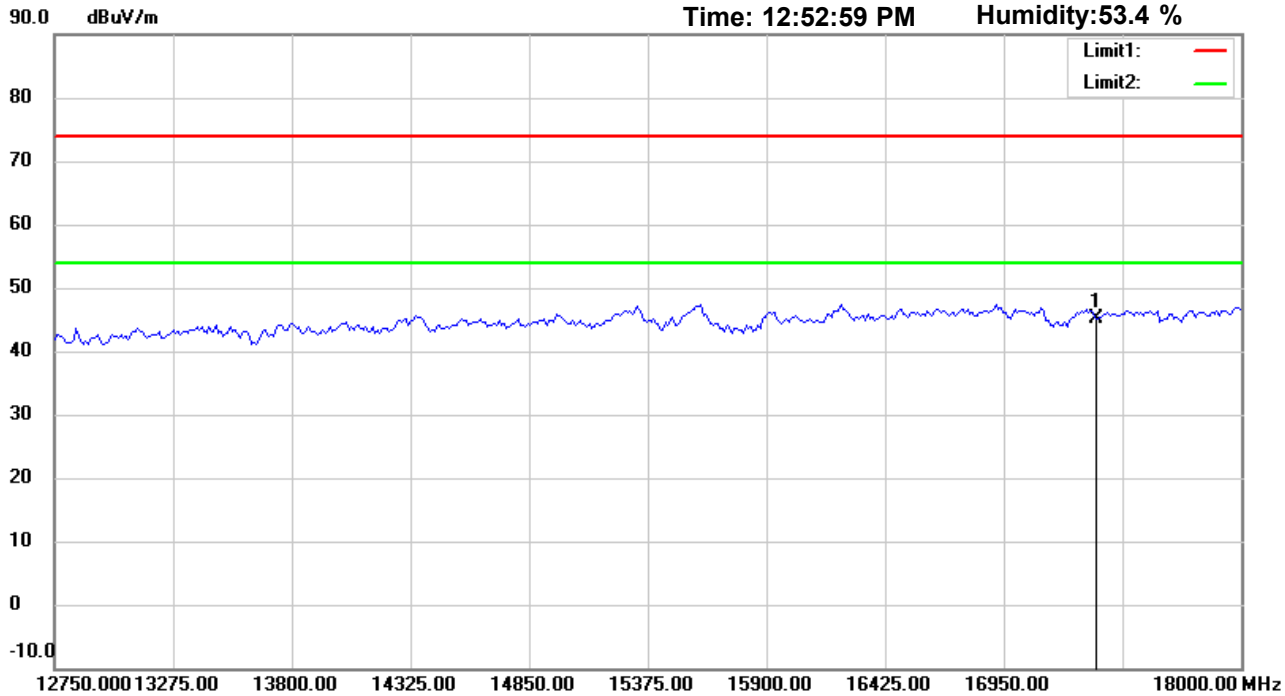
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 12/28/2019 Time: 12:52:59 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH151
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	17355.000	24.61	peak	20.45	45.06	74.00	150	50	-28.94	

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

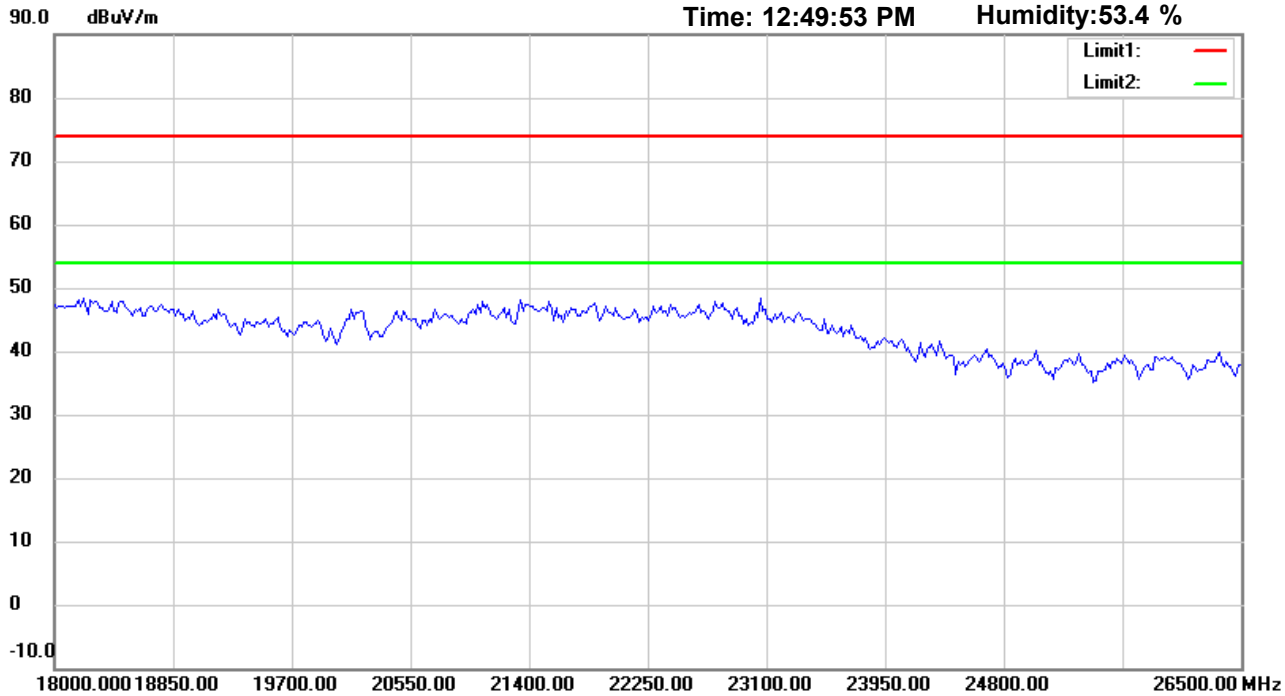
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 12/28/2019 Time: 12:49:53 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

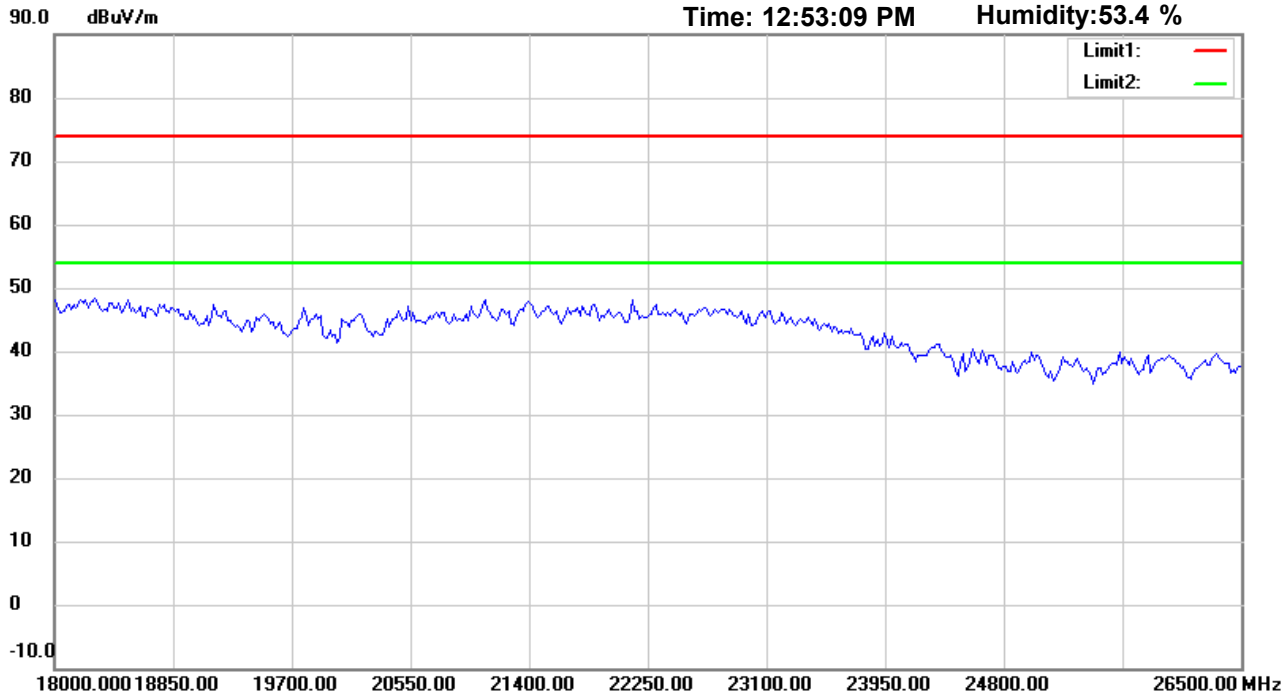
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#11 | Date: 12/28/2019 | Time: 12:53:09 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

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

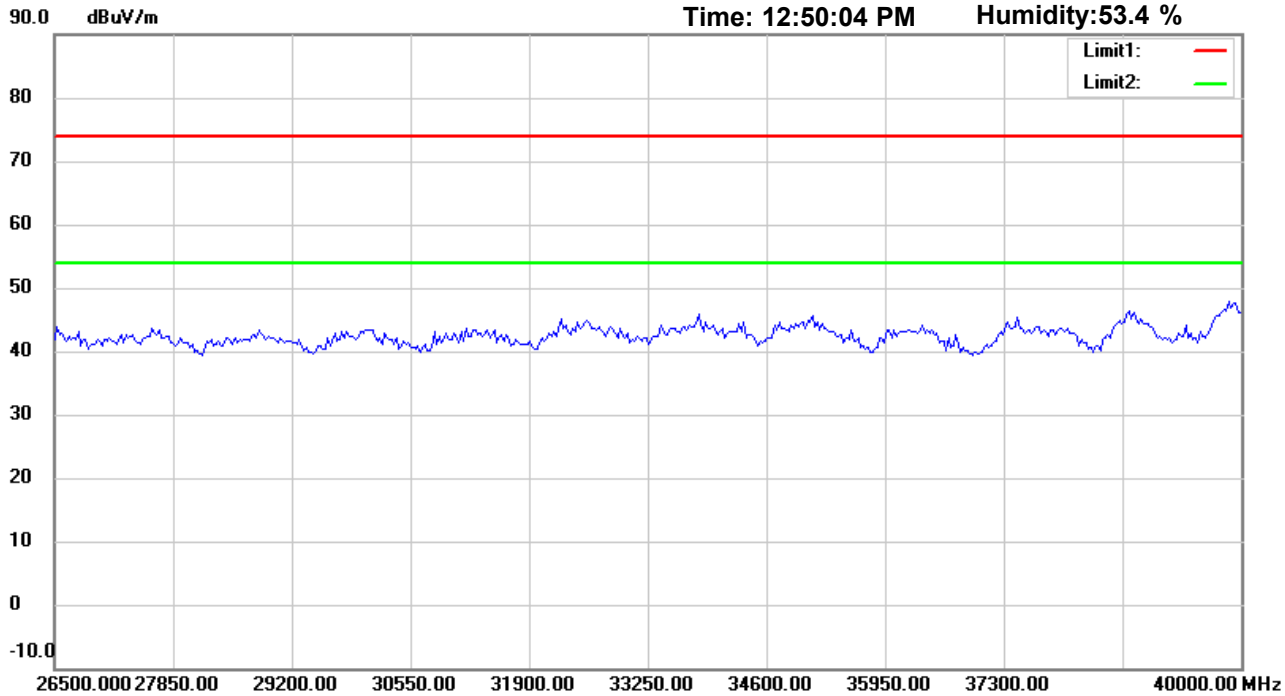
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 12/28/2019 Time: 12:50:04 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH151
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

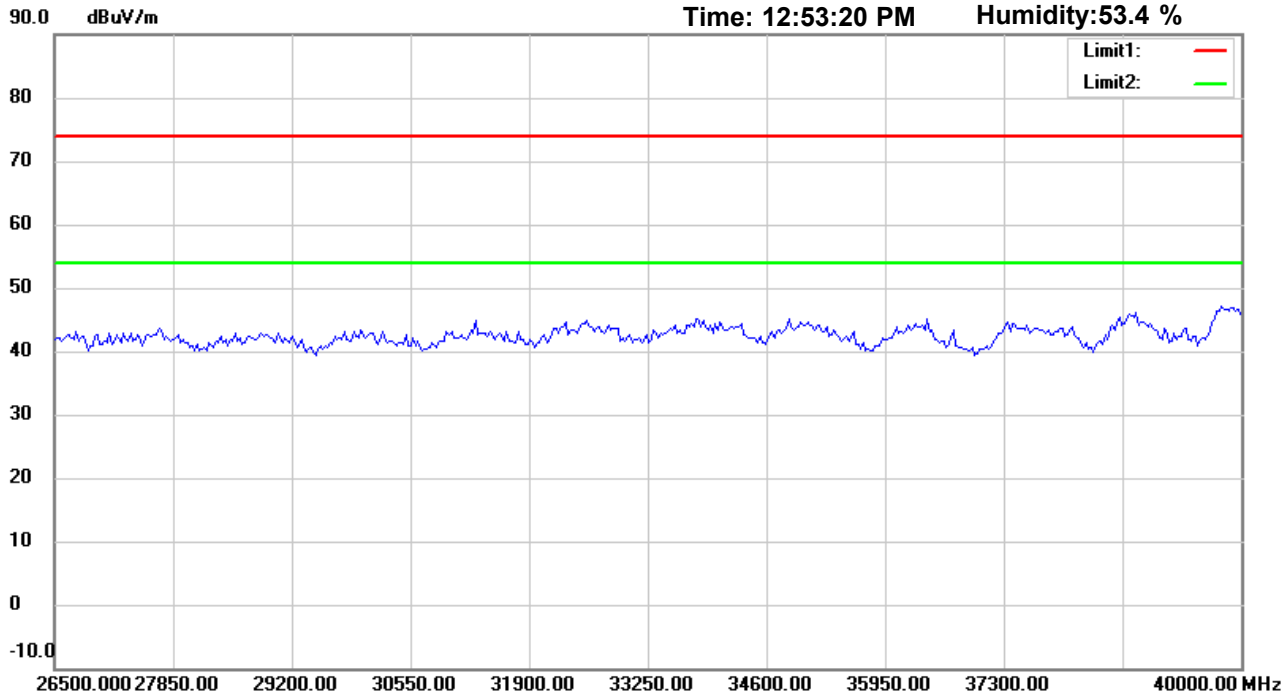
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#12 | Date: 12/28/2019 | Time: 12:53:20 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH151

Note :

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

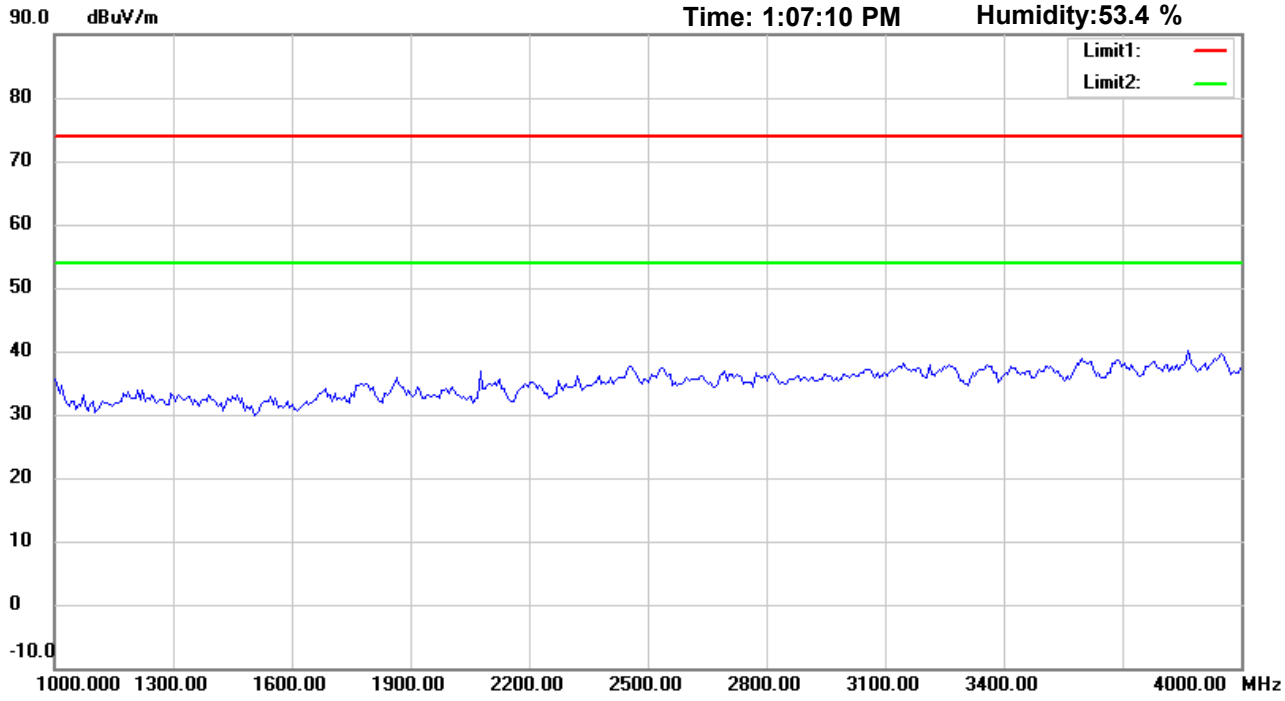
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#1 | Date: 12/28/2019 | Time: 1:07:10 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

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

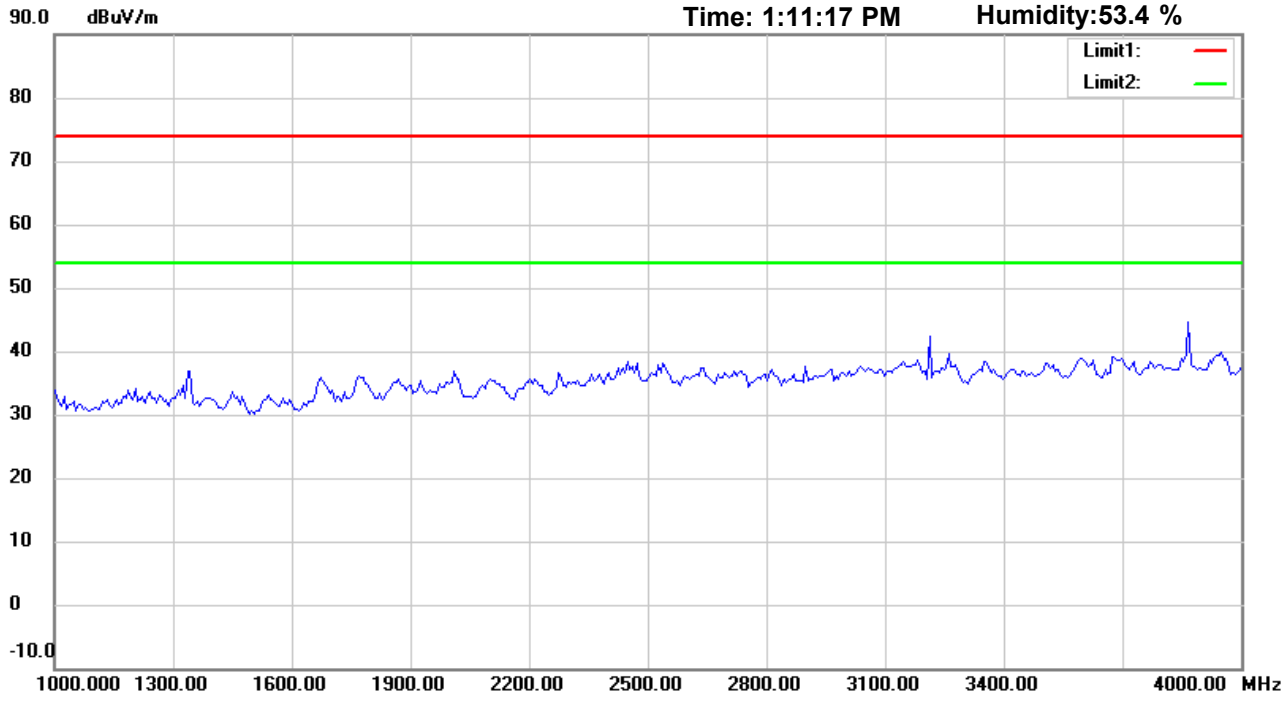
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 12/28/2019 Time: 1:11:17 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

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

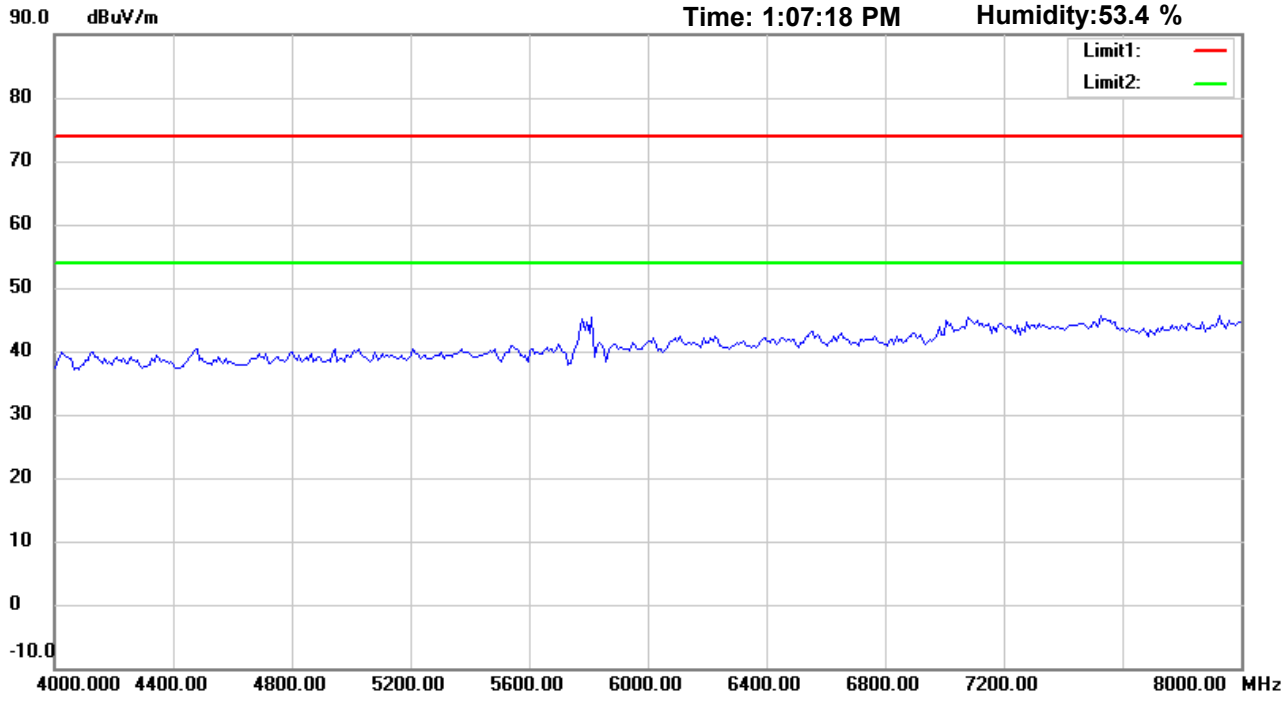
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 12/28/2019 Time: 1:07:18 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

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

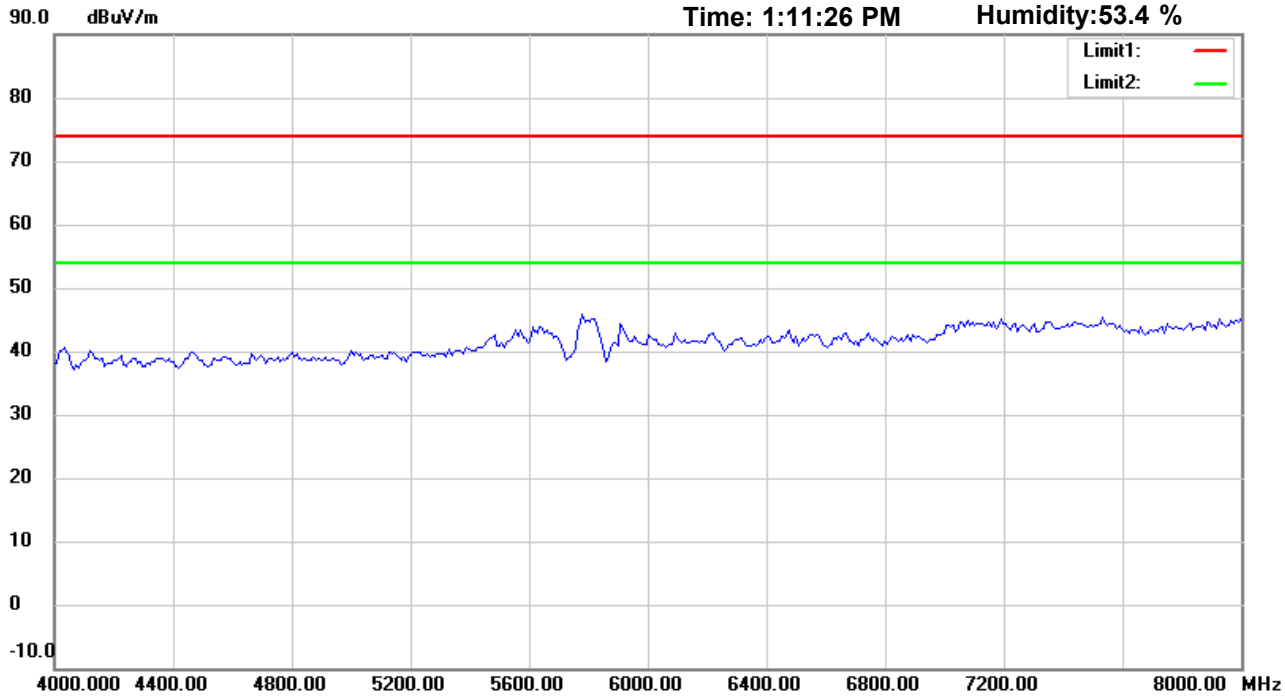
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 12/28/2019 Time: 1:11:26 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

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

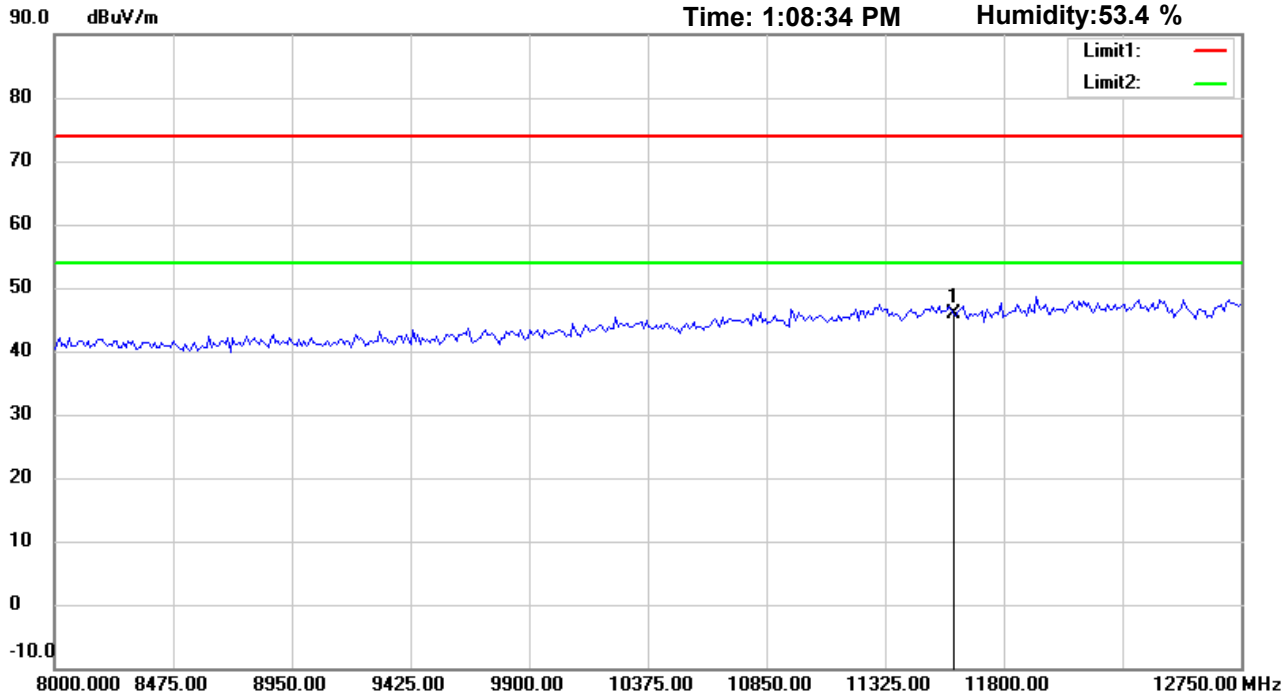
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 12/28/2019 Time: 1:08:34 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

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
*	11590.000	34.94	peak	11.03	45.97	74.00	150	80	-28.03	

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

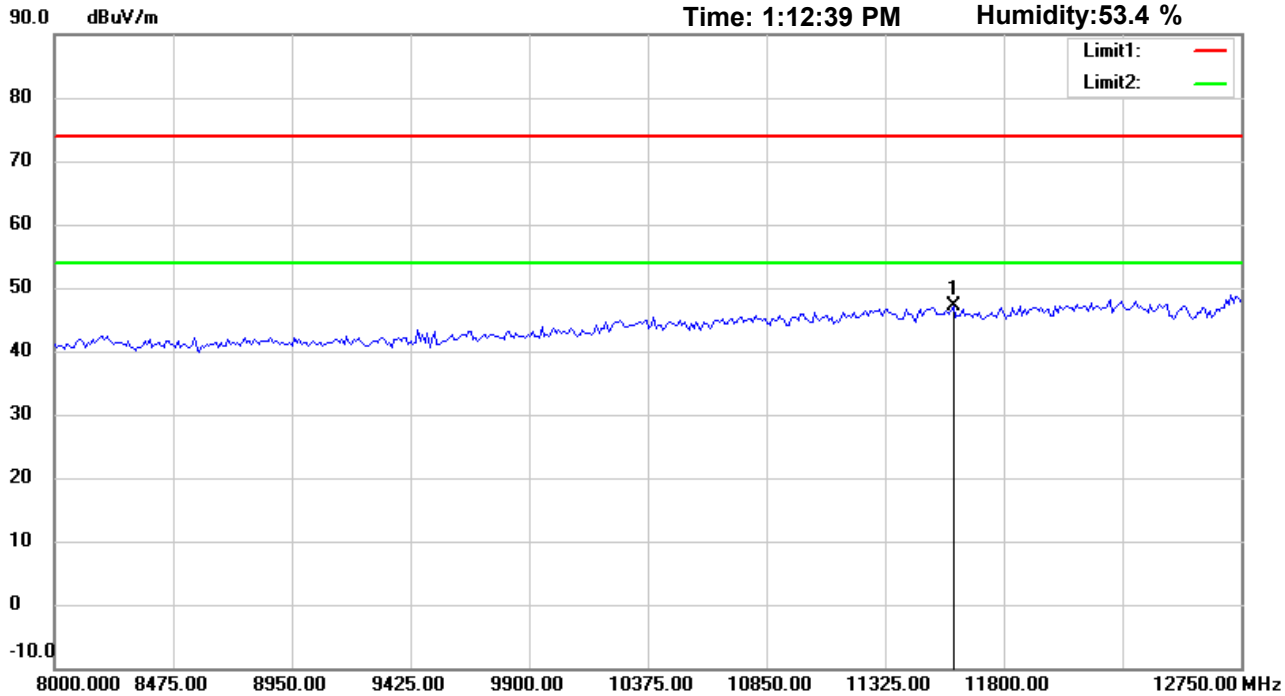
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 12/28/2019 Time: 1:12:39 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

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
*	11590.000	36.17	peak	11.03	47.20	74.00	150	255	-26.80	

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

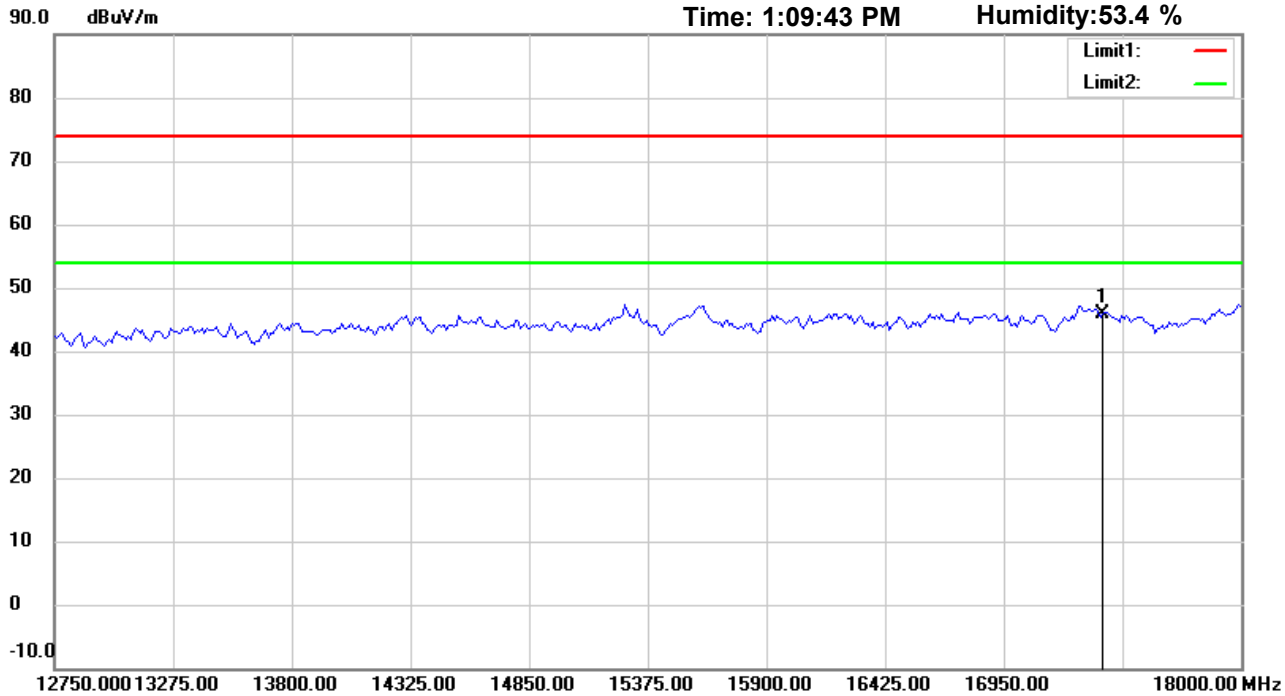
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 12/28/2019 Time: 1:09:43 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

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
*	17385.000	25.82	peak	20.18	46.00	74.00	150	240	-28.00	

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

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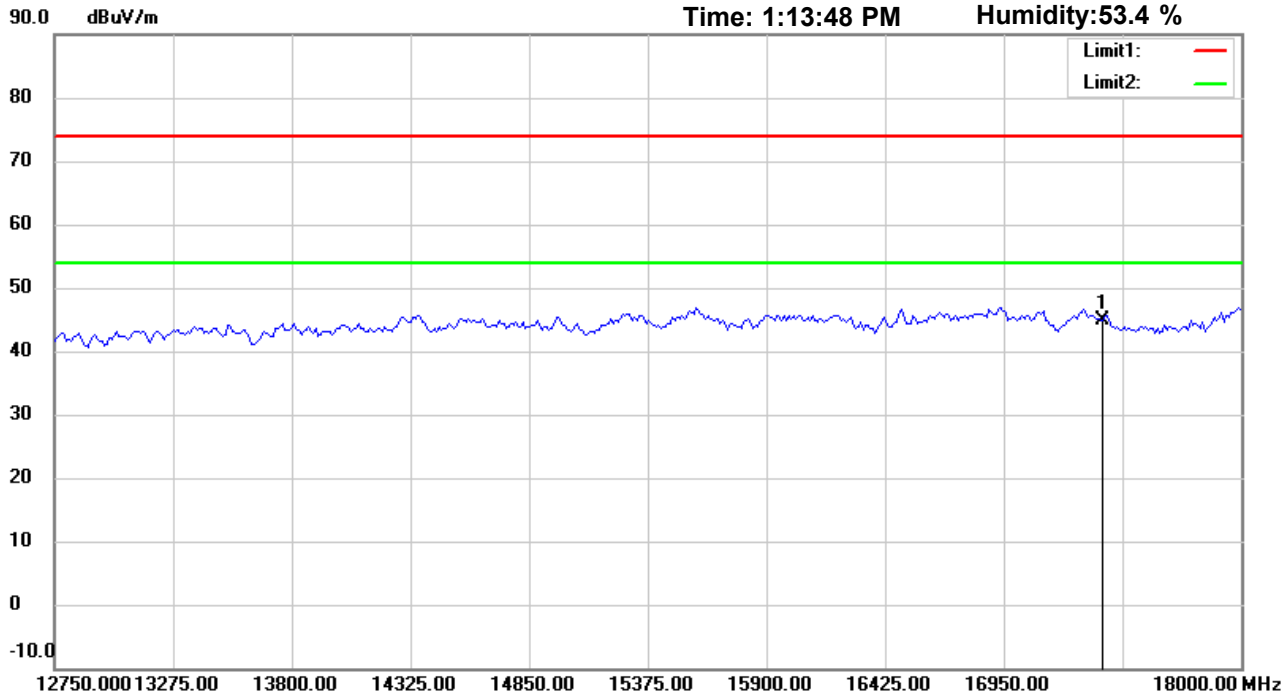
Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#10 | Date: 12/28/2019 | Time: 1:13:48 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

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
*	17385.000	24.71	peak	20.18	44.89	74.00	150	260	-29.11	

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

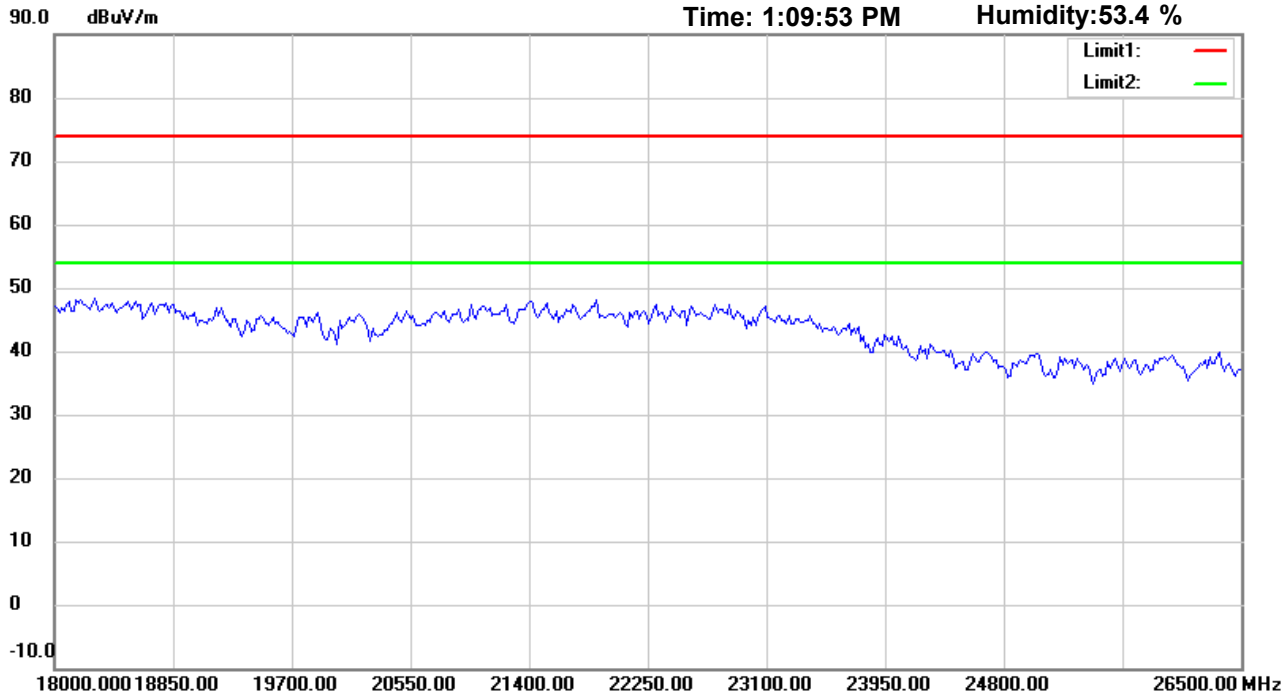
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 12/28/2019 Time: 1:09:53 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

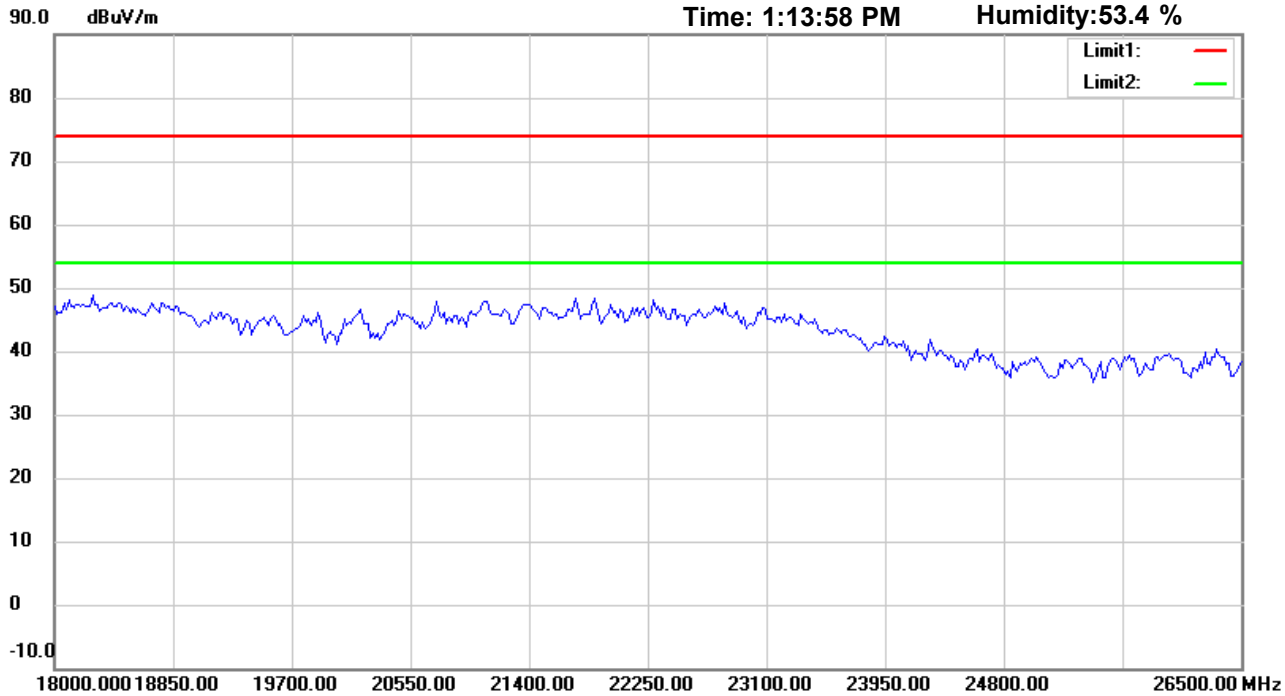
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#11 | Date: 12/28/2019 | Time: 1:13:58 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

Note :

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

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

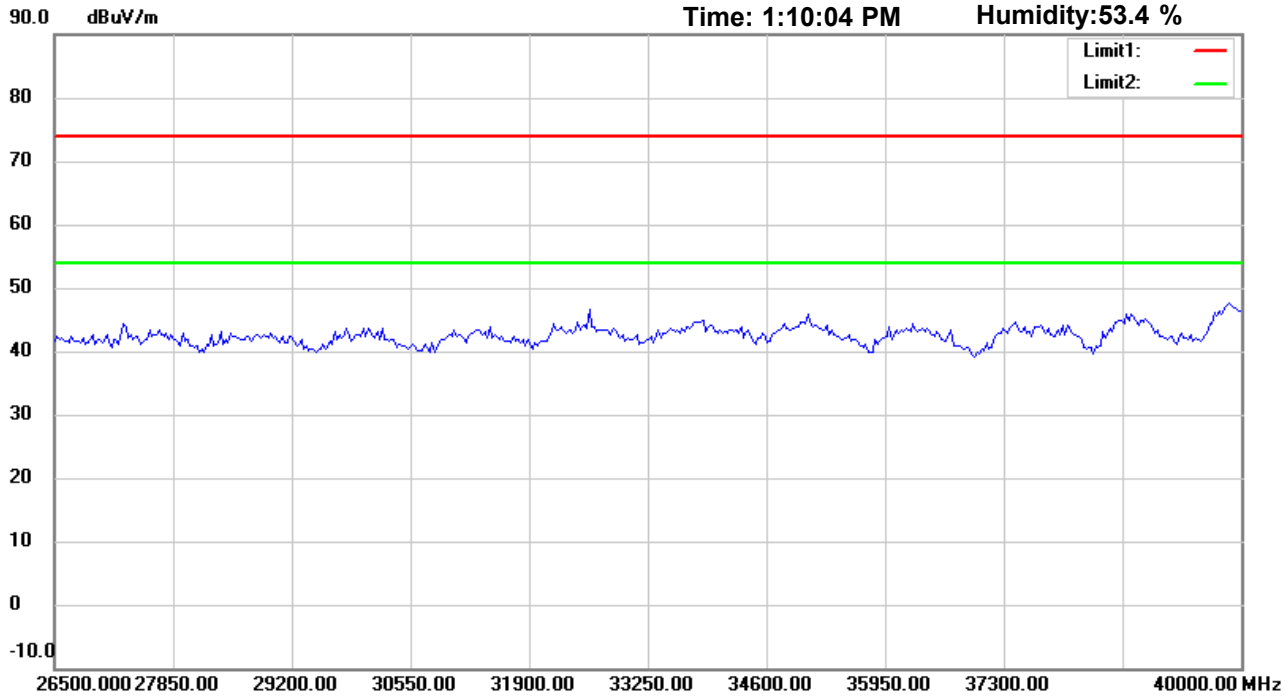
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 12/28/2019 Time: 1:10:04 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11n40 CH159
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

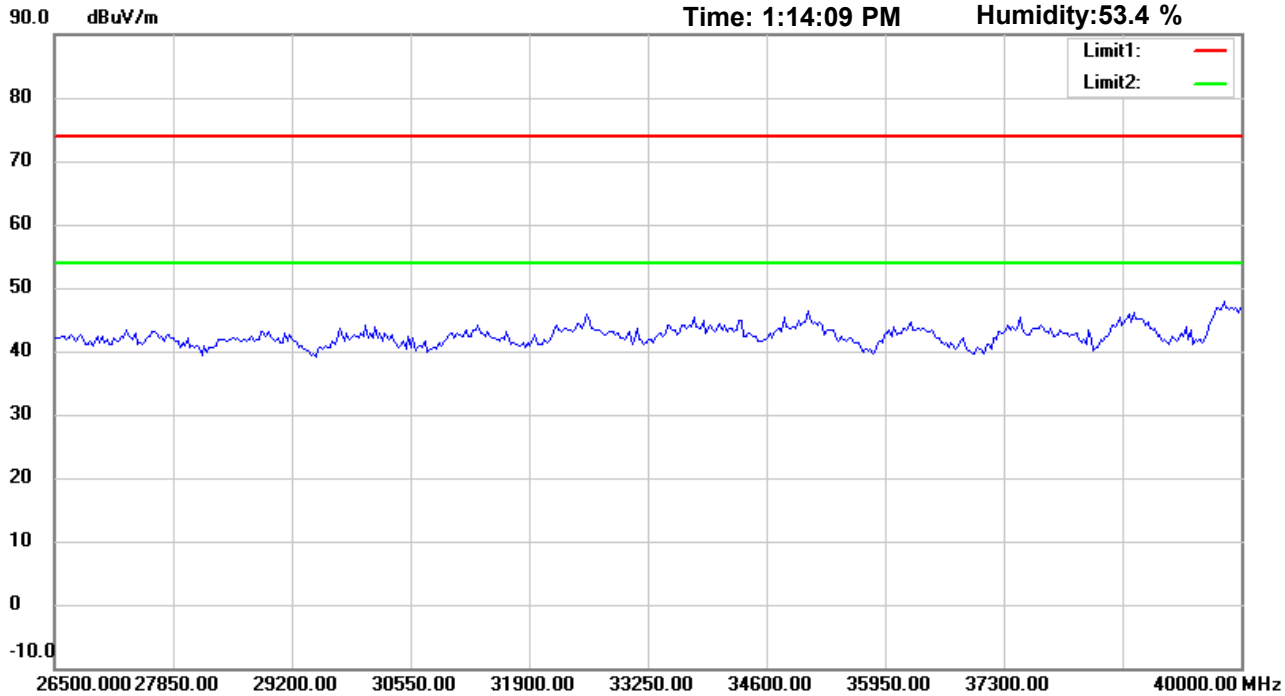
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#12 | Date: 12/28/2019 | Time: 1:14:09 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n40 CH159

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

ANT1+ANT2 802.11ac

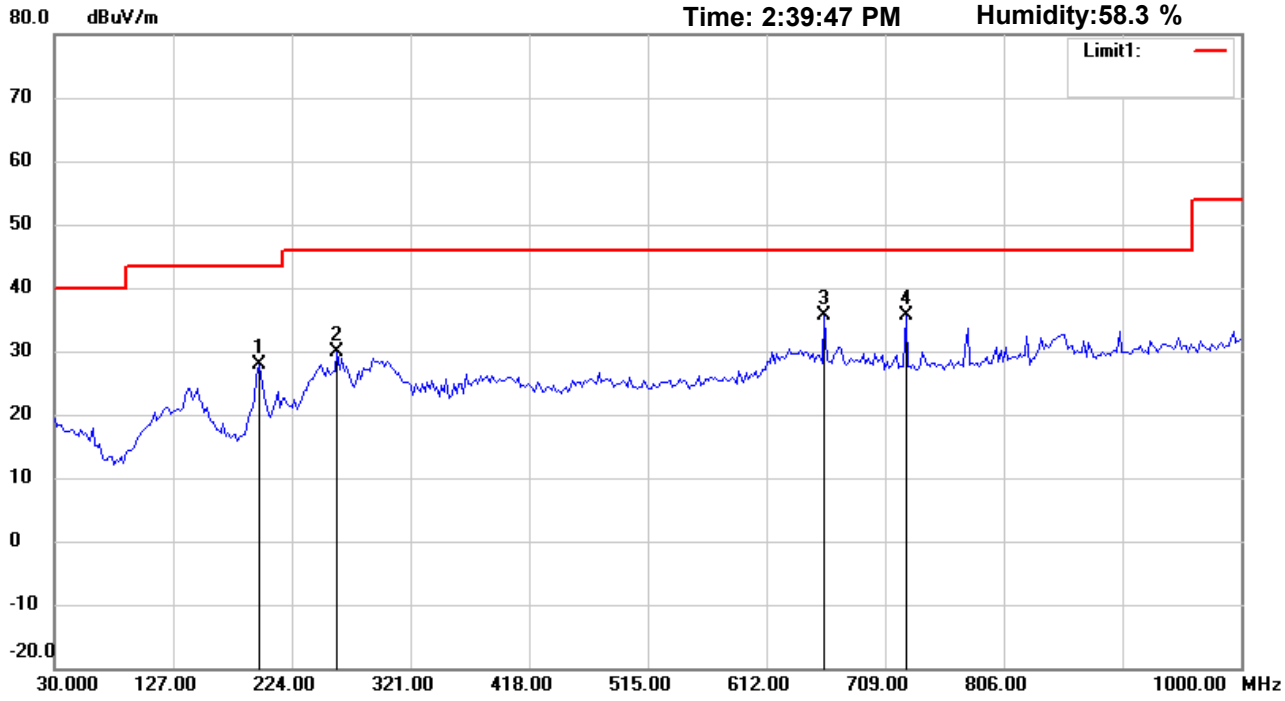
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1_ant12_TX 802 Data :#1 Date: 12/29/2019 Time: 2:39:47 PM

Temperature:21.8 ℃
Humidity:58.3 %



Site : Chamber
Condition : FCC_part 15 RE-Class E_30-1000MHz
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11ac CH42
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	197.1741	38.83	peak	-11.03	27.80	43.50	100	270	-15.70	
	261.3226	37.19	peak	-7.35	29.84	46.00	100	73	-16.16	
	659.8196	36.26	peak	-0.74	35.52	46.00	100	55	-10.48	
*	725.9116	35.83	peak	-0.12	35.71	46.00	100	142	-10.29	

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

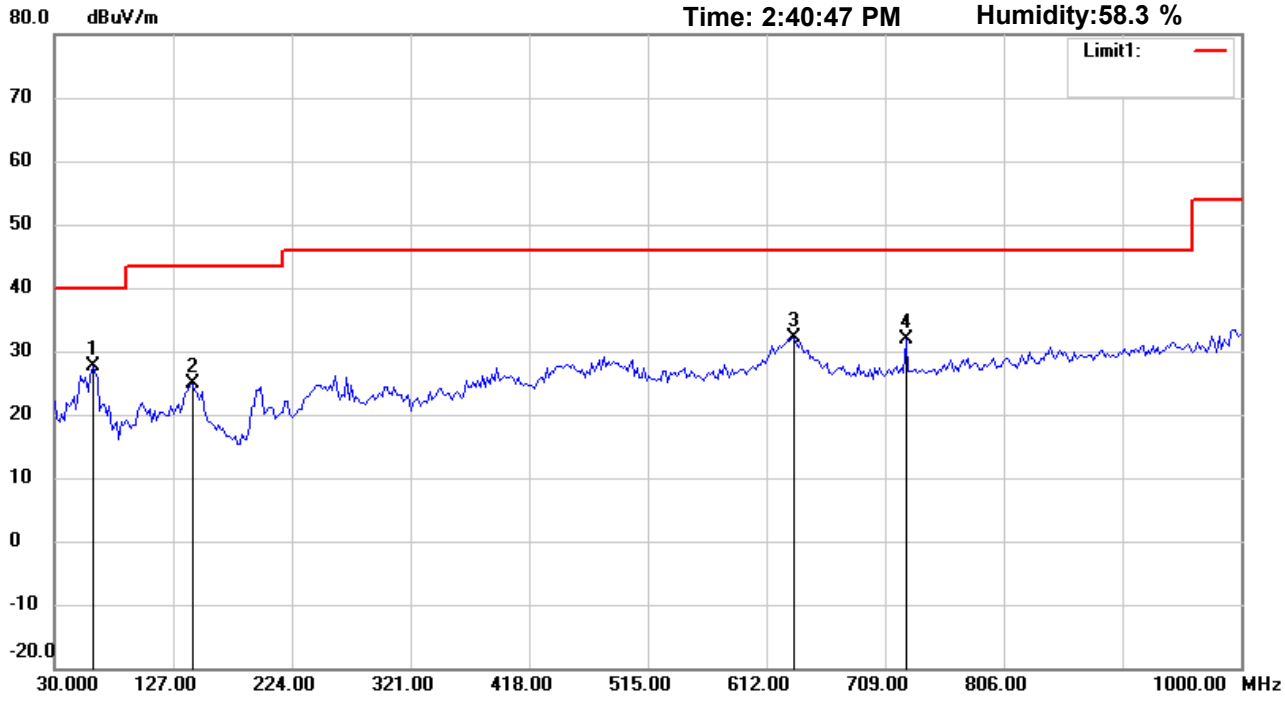
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1_ant12_TX 802 Data :#2 Date: 12/29/2019 Time: 2:40:47 PM

Temperature:21.8 ℃
Humidity:58.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	61.1022	39.66	peak	-12.03	27.63	40.00	100	147	-12.37	
	142.7455	31.69	peak	-6.73	24.96	43.50	100	163	-18.54	
	634.5490	33.34	peak	-1.24	32.10	46.00	100	63	-13.90	
	725.9117	32.02	peak	-0.12	31.90	46.00	100	217	-14.10	

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

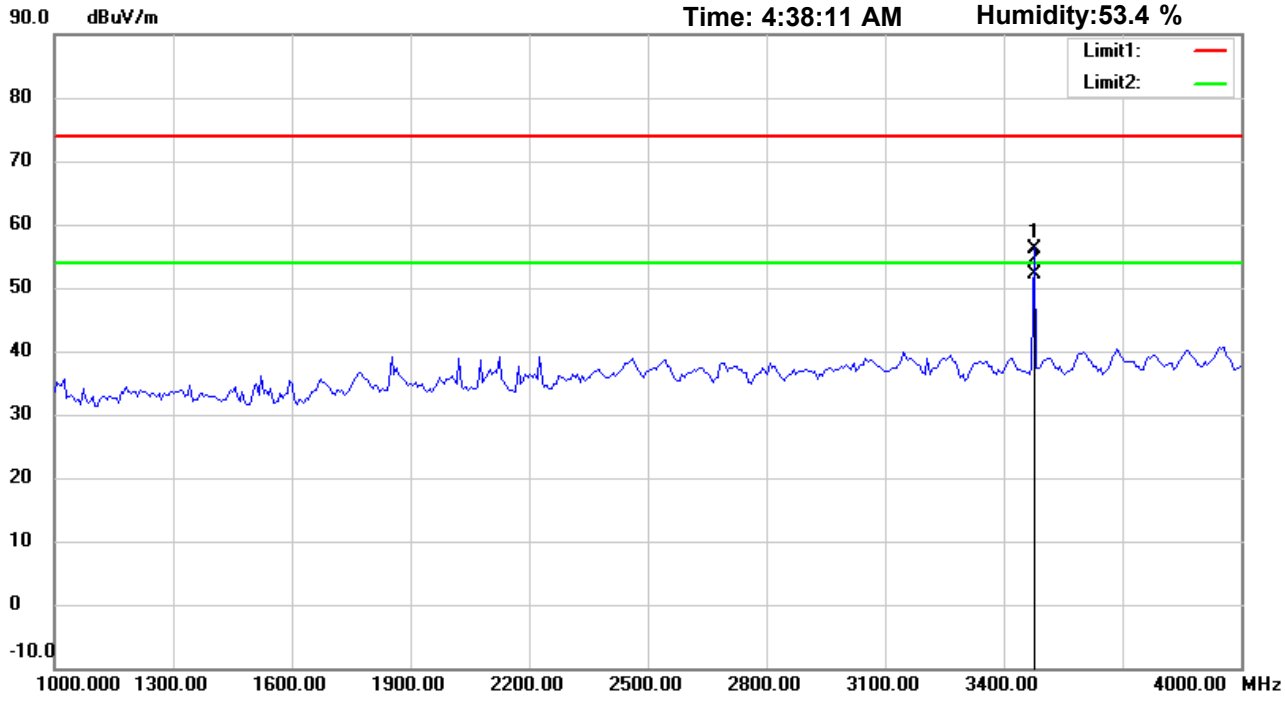
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 12/28/2019 Time: 4:38:11 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
	3473.326	59.75	peak	-3.73	56.02	74.00	150	360	-17.98	
*	3473.326	55.91	AVG	-3.73	52.18	54.00	150	360	-1.82	

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

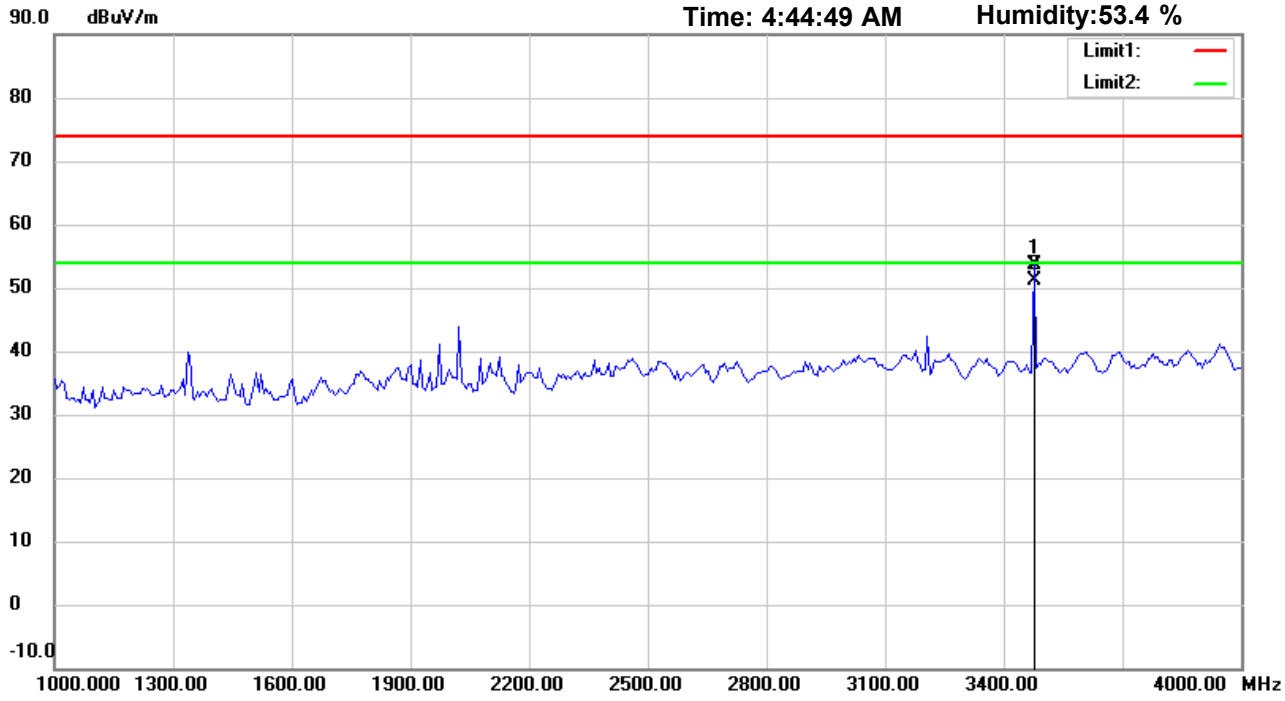
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 12/28/2019 Time: 4:44:49 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
	3473.086	57.42	peak	-3.73	53.69	74.00	150	110	-20.31	
*	3473.086	54.86	AVG	-3.73	51.13	54.00	150	110	-2.87	

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

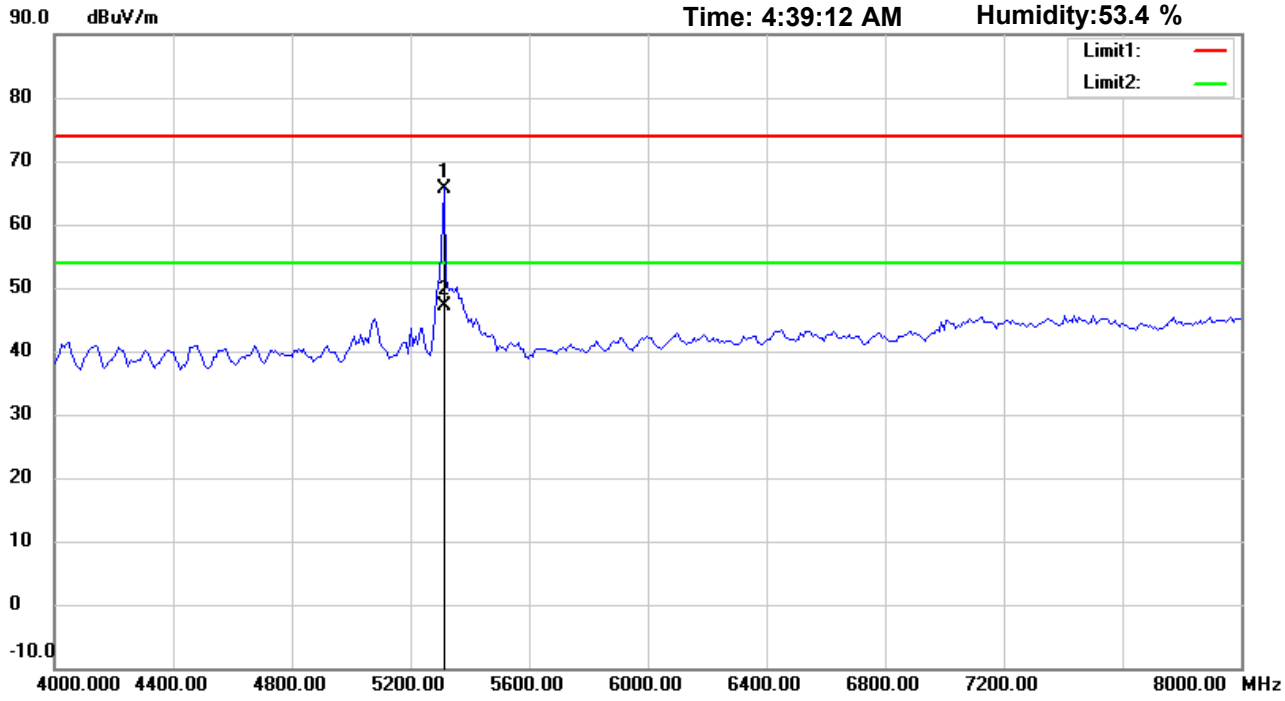
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 12/28/2019 Time: 4:39:12 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
	5311.362	66.16	peak	-0.43	65.73	74.00	210	310	-8.27	
*	5311.362	47.64	AVG	-0.43	47.21	54.00	210	310	-6.79	

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

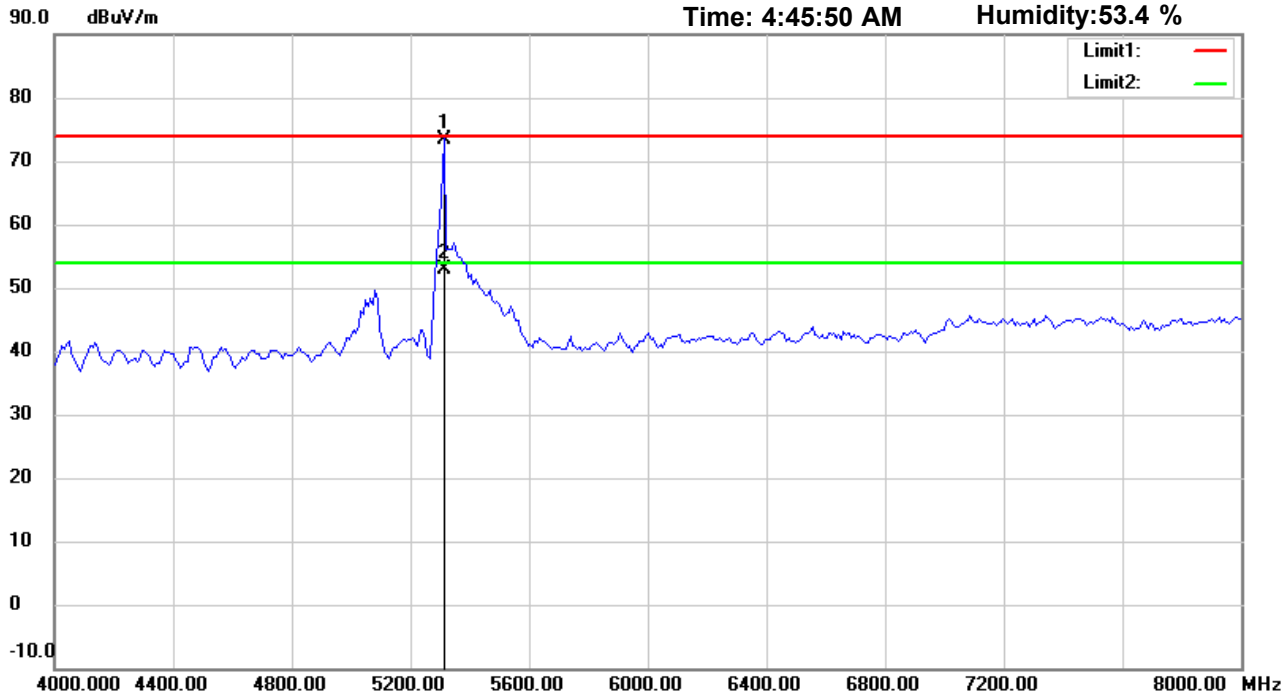
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 12/28/2019 Time: 4:45:50 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	5307.916	73.88	peak	-0.44	73.44	74.00	220	290	-0.56	
	5307.916	53.31	AVG	-0.44	52.87	54.00	220	290	-1.13	

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

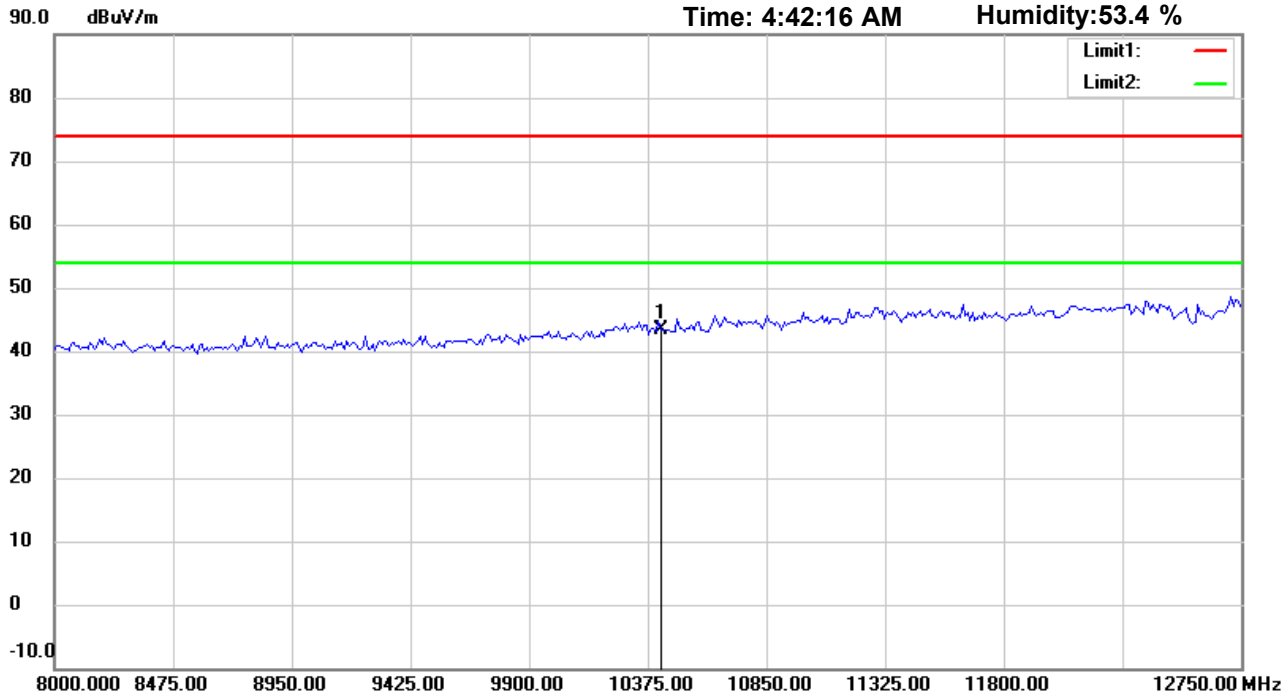
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 12/28/2019 Time: 4:42:16 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	10420.000	34.99	peak	8.27	43.26	74.00	150	35	-30.74	

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

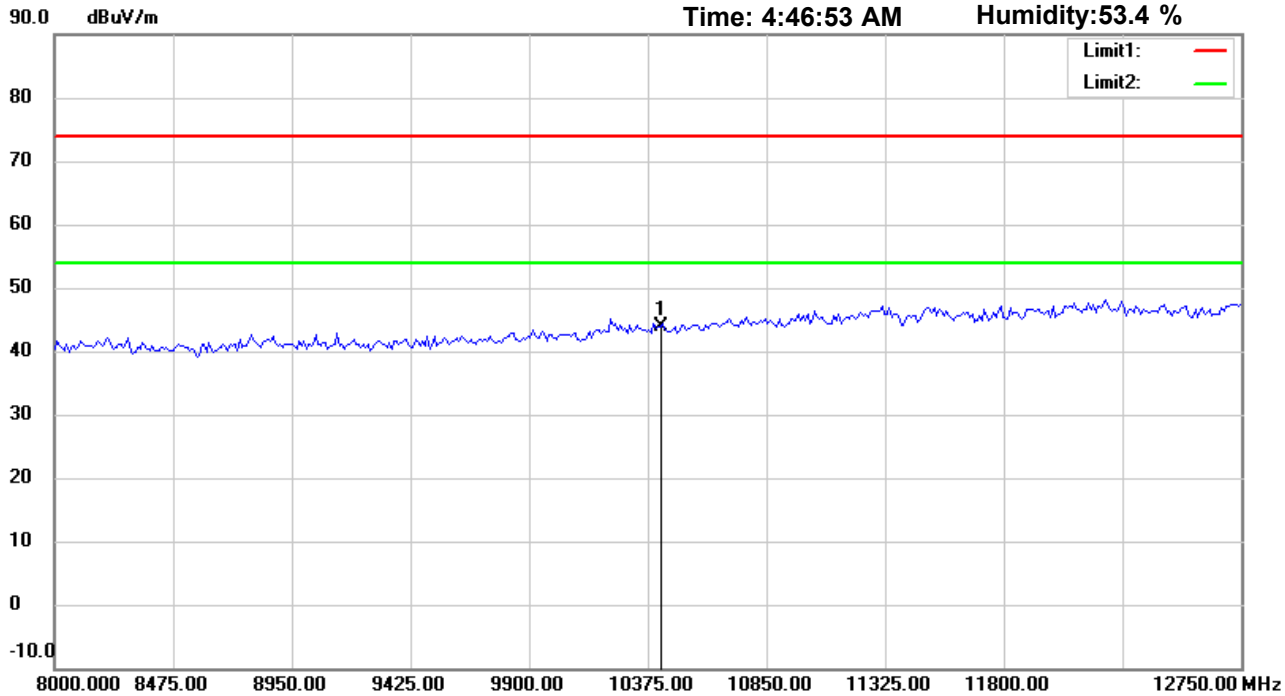
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 12/28/2019 Time: 4:46:53 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	10420.000	35.64	peak	8.27	43.91	74.00	150	345	-30.09	

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

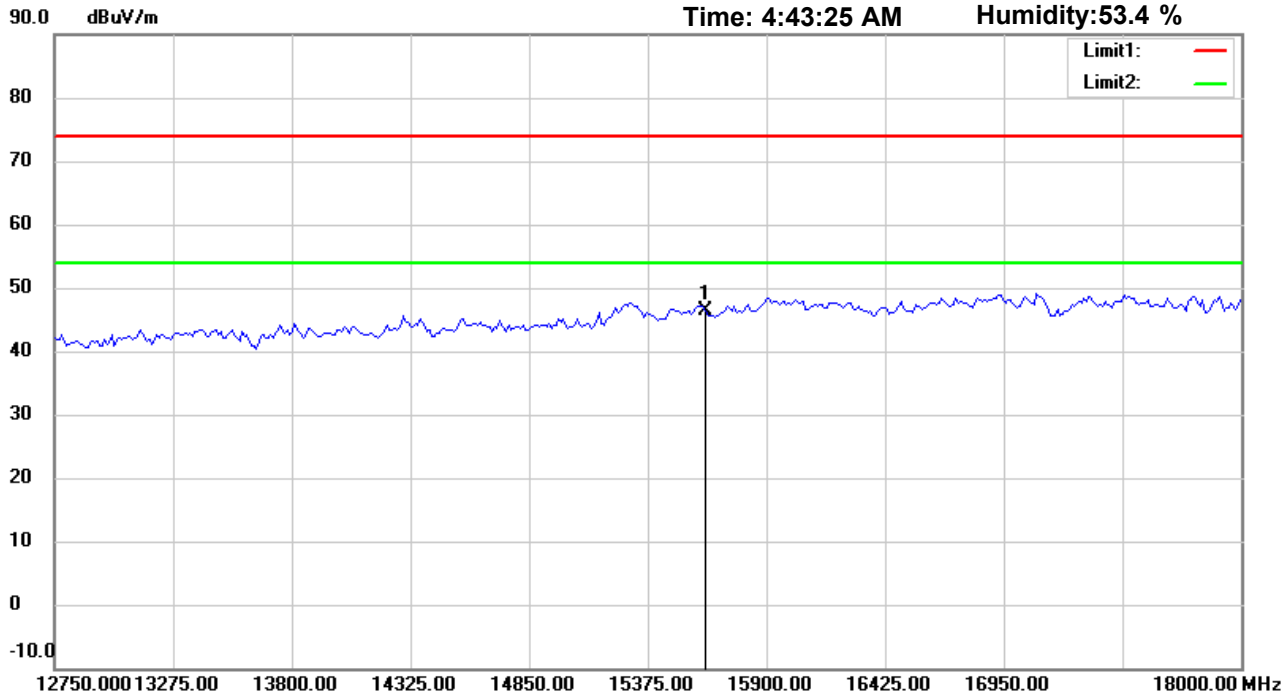
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 12/28/2019 Time: 4:43:25 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	15630.000	27.36	peak	19.06	46.42	74.00	150	80	-27.58	

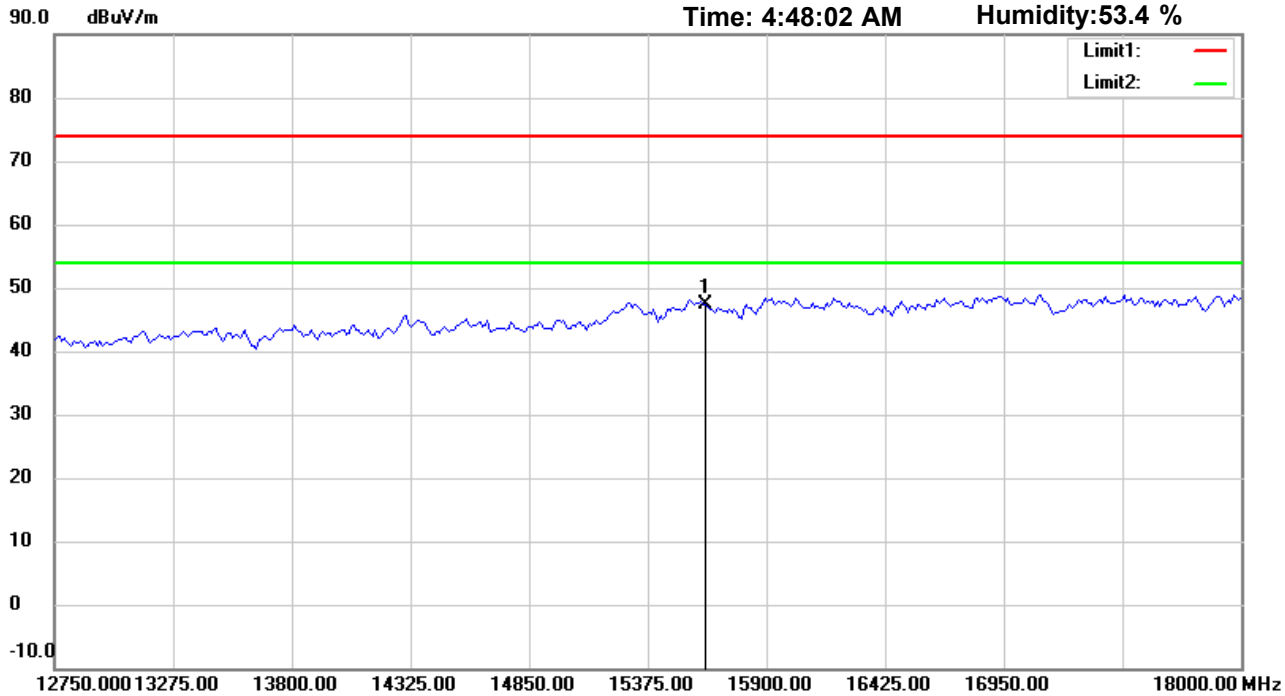
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 12/28/2019 | Time: 4:48:02 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

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
*	15630.000	28.43	peak	19.06	47.49	74.00	150	140	-26.51	

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

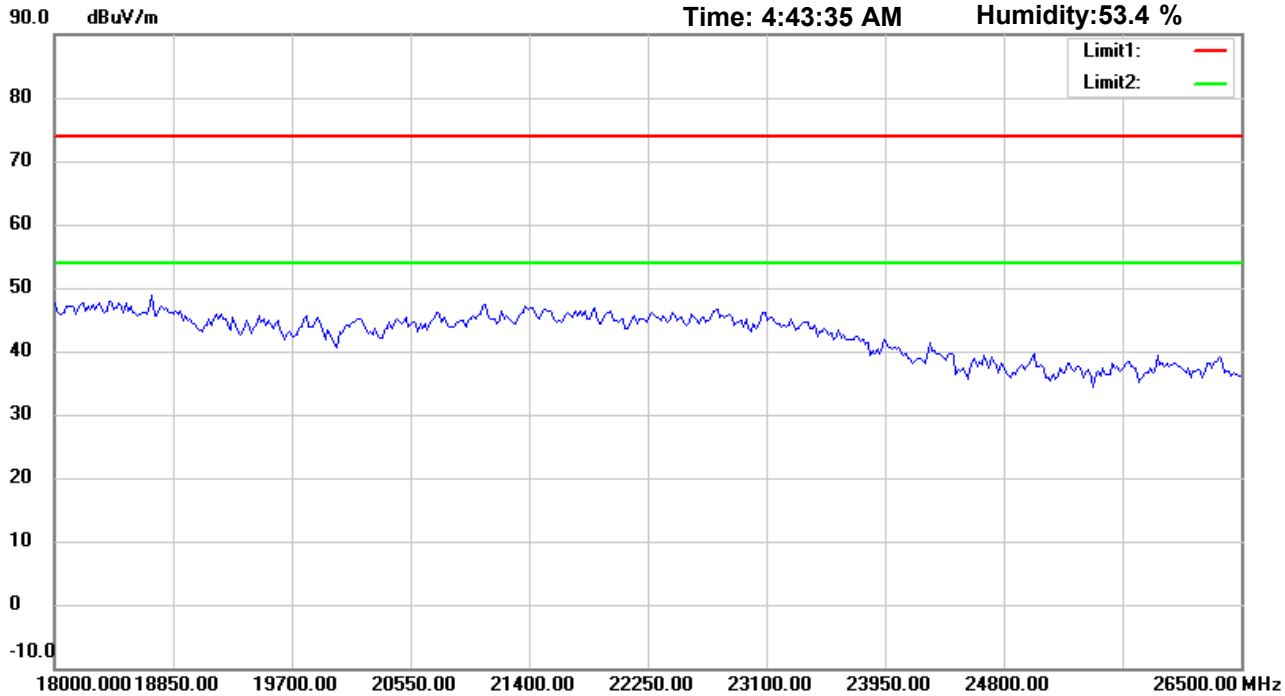
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 12/28/2019 Time: 4:43:35 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11ac CH42
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

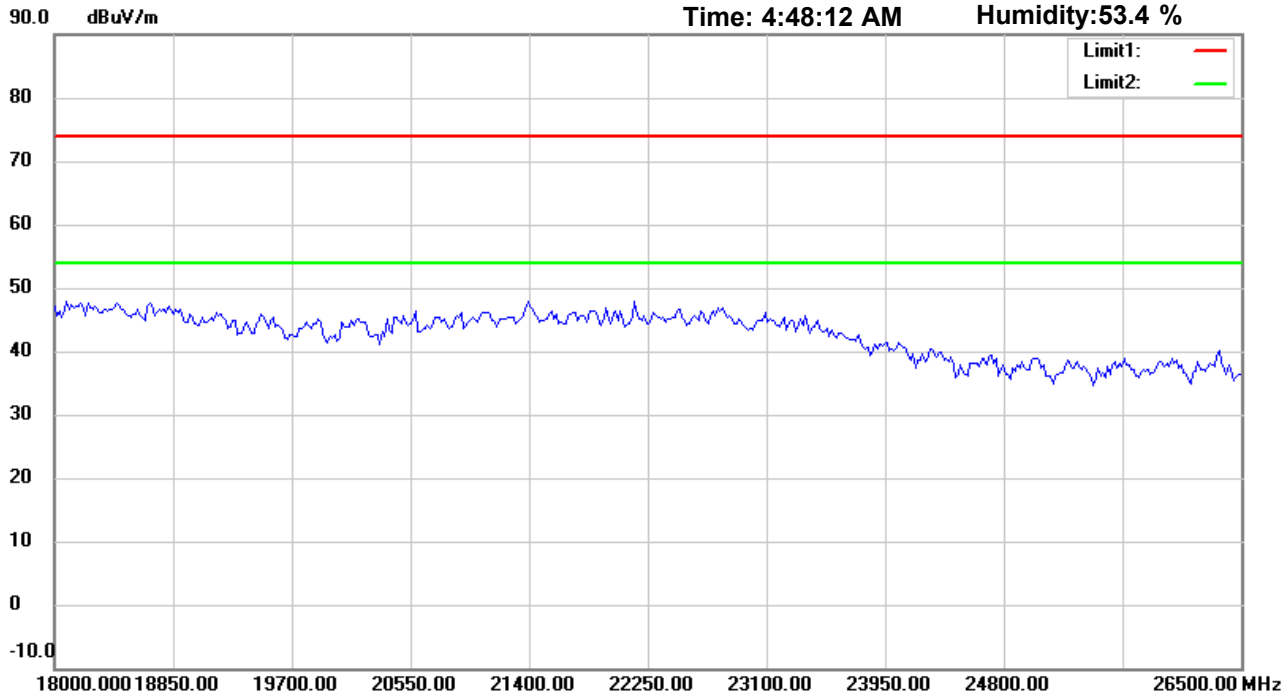
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#11 | Date: 12/28/2019 | Time: 4:48:12 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

Note :

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

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

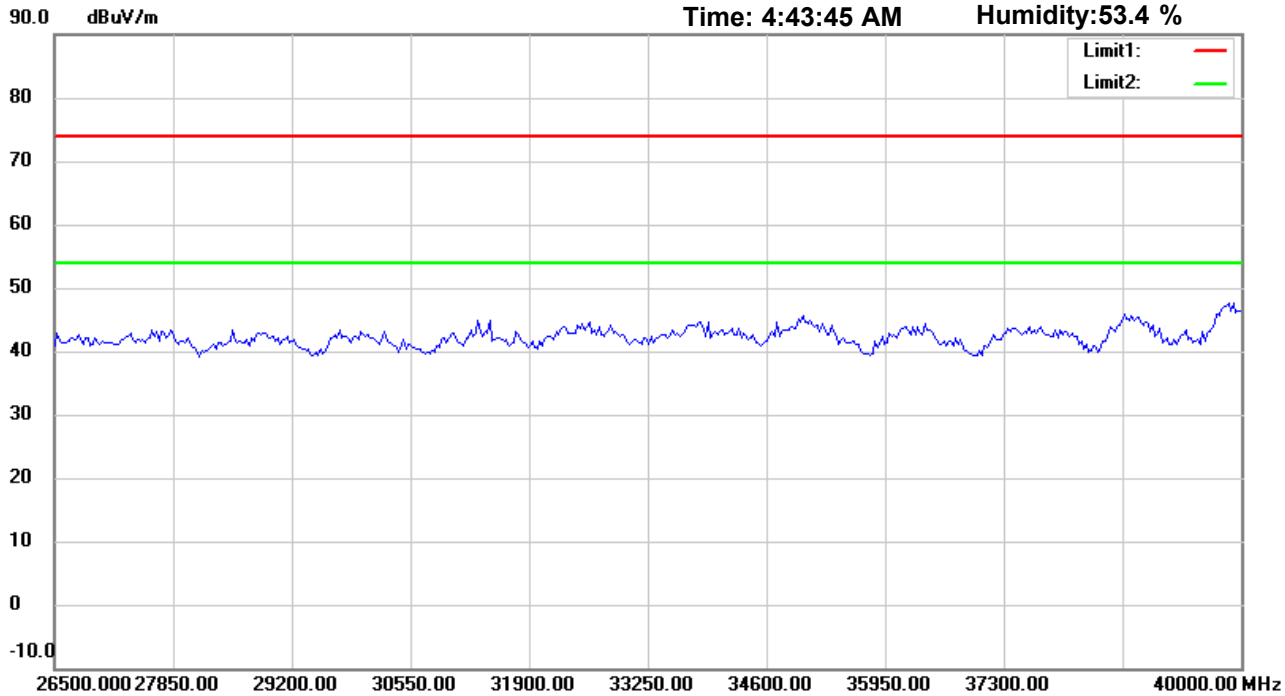
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 12/28/2019 Time: 4:43:45 AM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11ac CH42
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

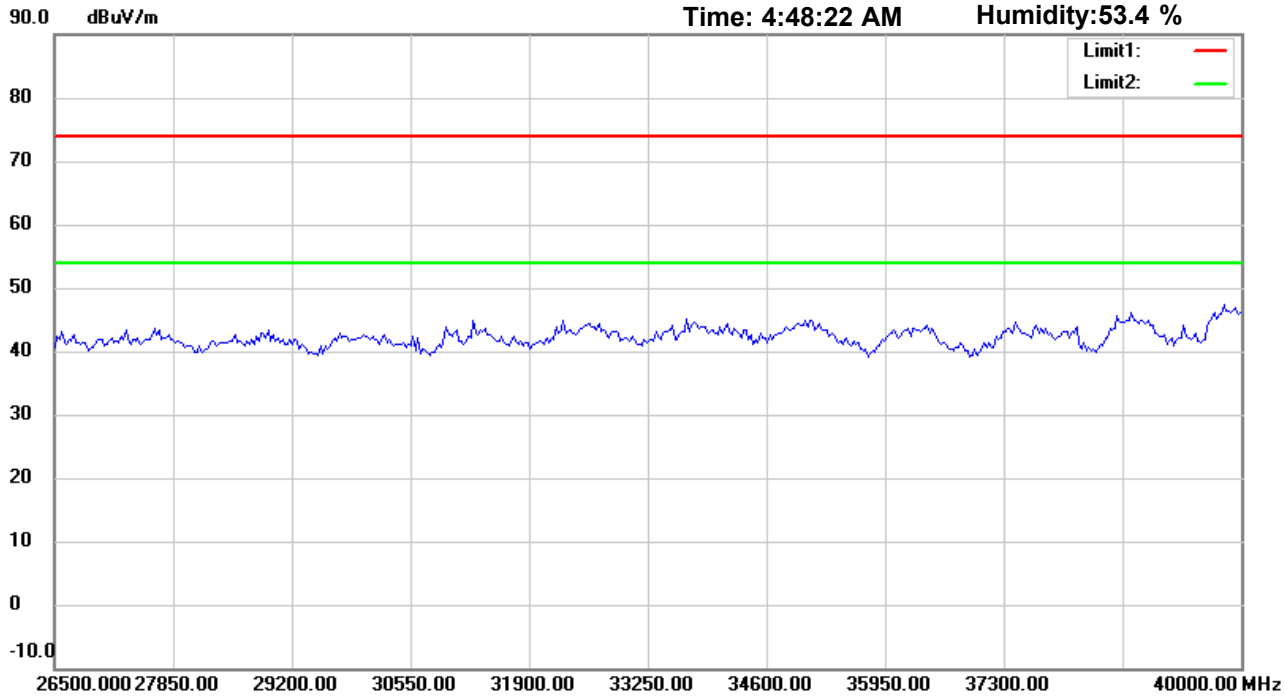
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Allen

File :3 | Data :#12 | Date: 12/28/2019 | Time: 4:48:22 AM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH42

Note :

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

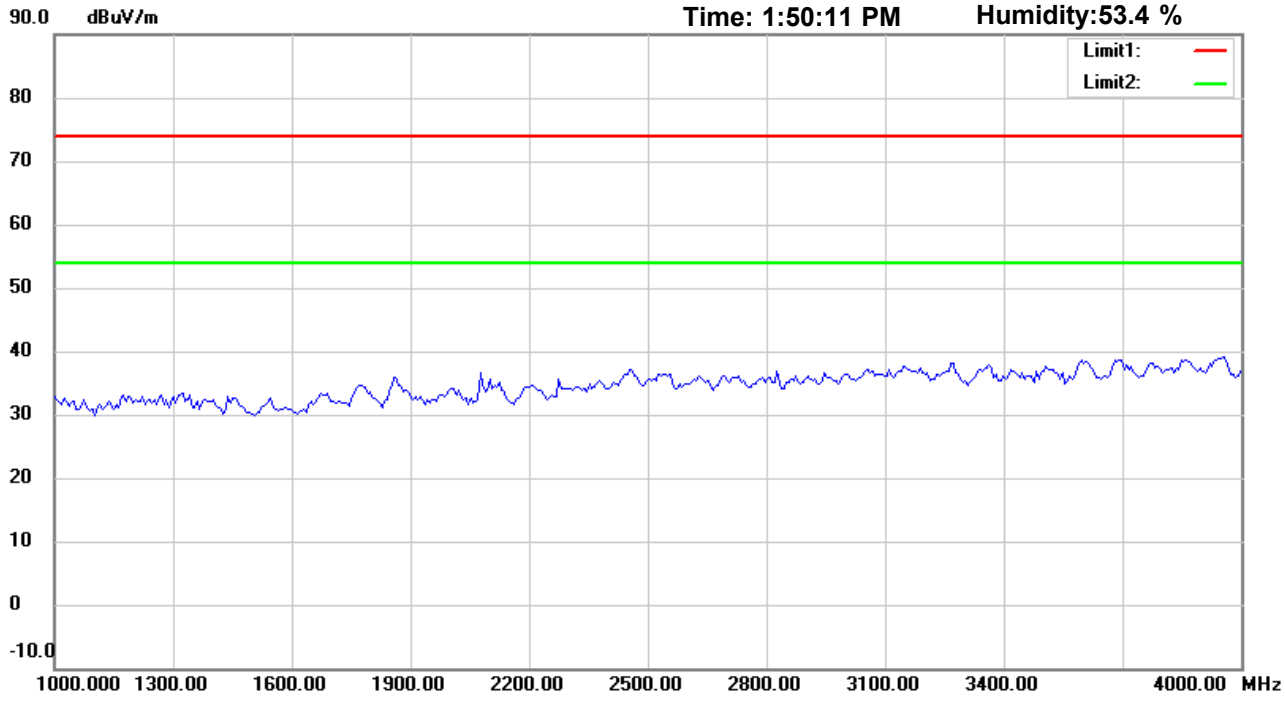
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#1 | Date: 12/28/2019 | Time: 1:50:11 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

Note :

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

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

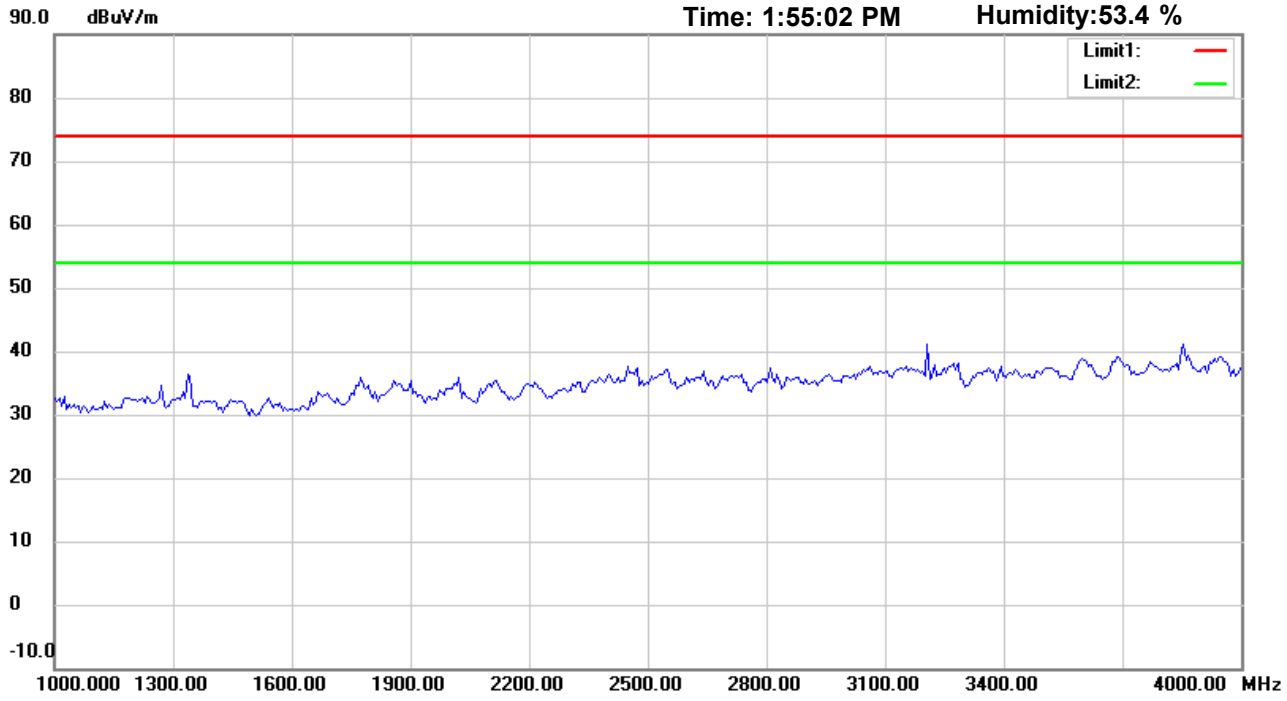
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 12/28/2019 Time: 1:55:02 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11ac CH155
Note :

Polarization: *Vertical*
Power : 48 Vd.c.
Distance: 3m

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

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

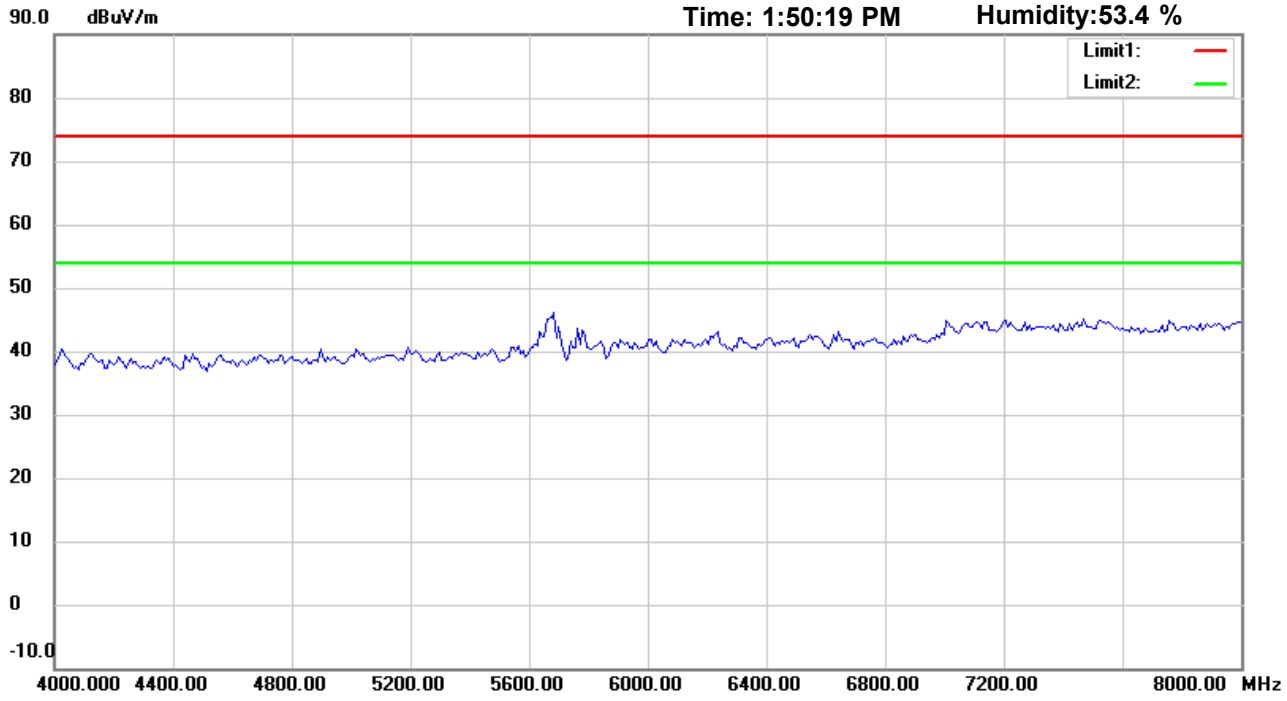
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 12/28/2019 Time: 1:50:19 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

Note :

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

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

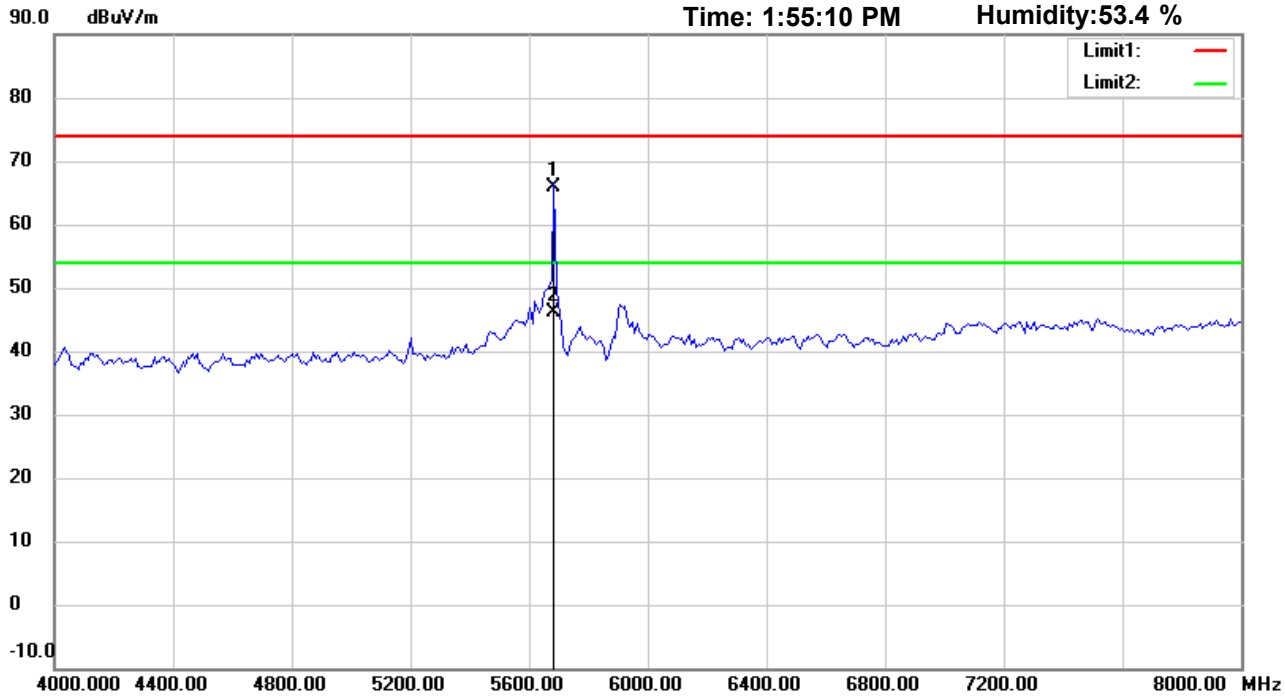
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 12/28/2019 Time: 1:55:10 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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
	5681.183	65.79	peak	0.04	65.83	74.00	150	83	-8.17	
*	5681.183	46.16	AVG	0.04	46.20	54.00	150	83	-7.80	

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

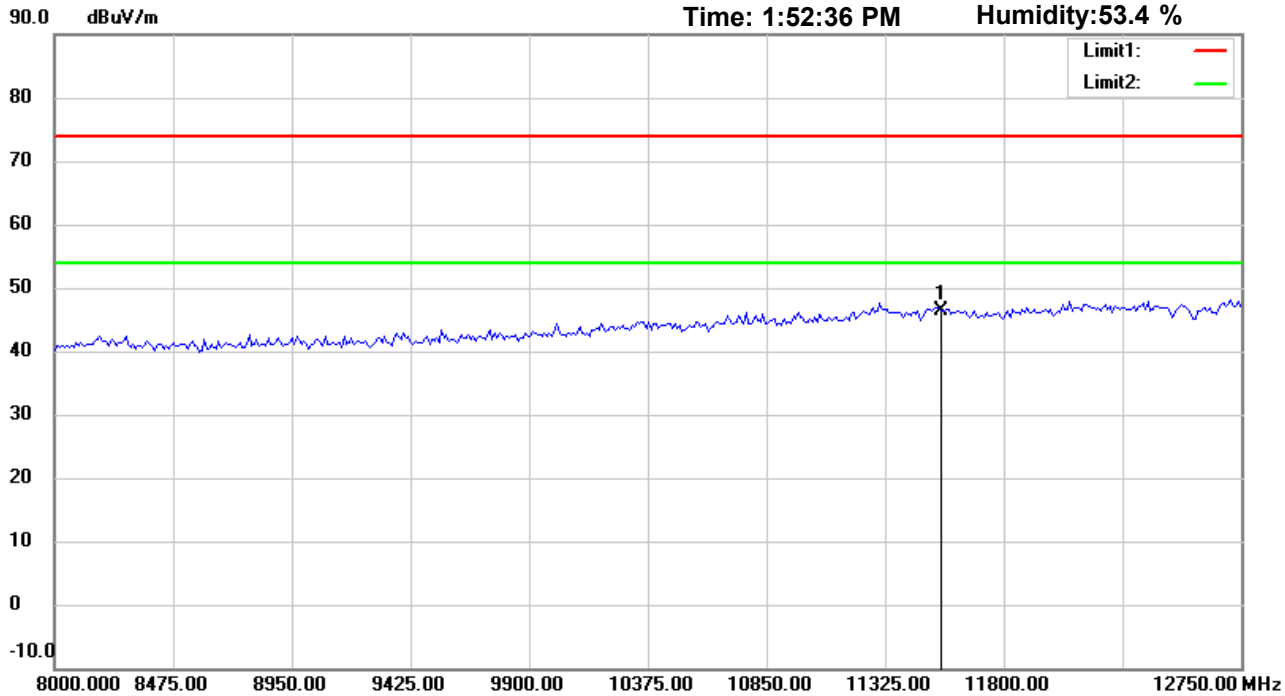
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 12/28/2019 Time: 1:52:36 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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
*	11550.000	35.19	peak	11.21	46.40	74.00	150	70	-27.60	

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

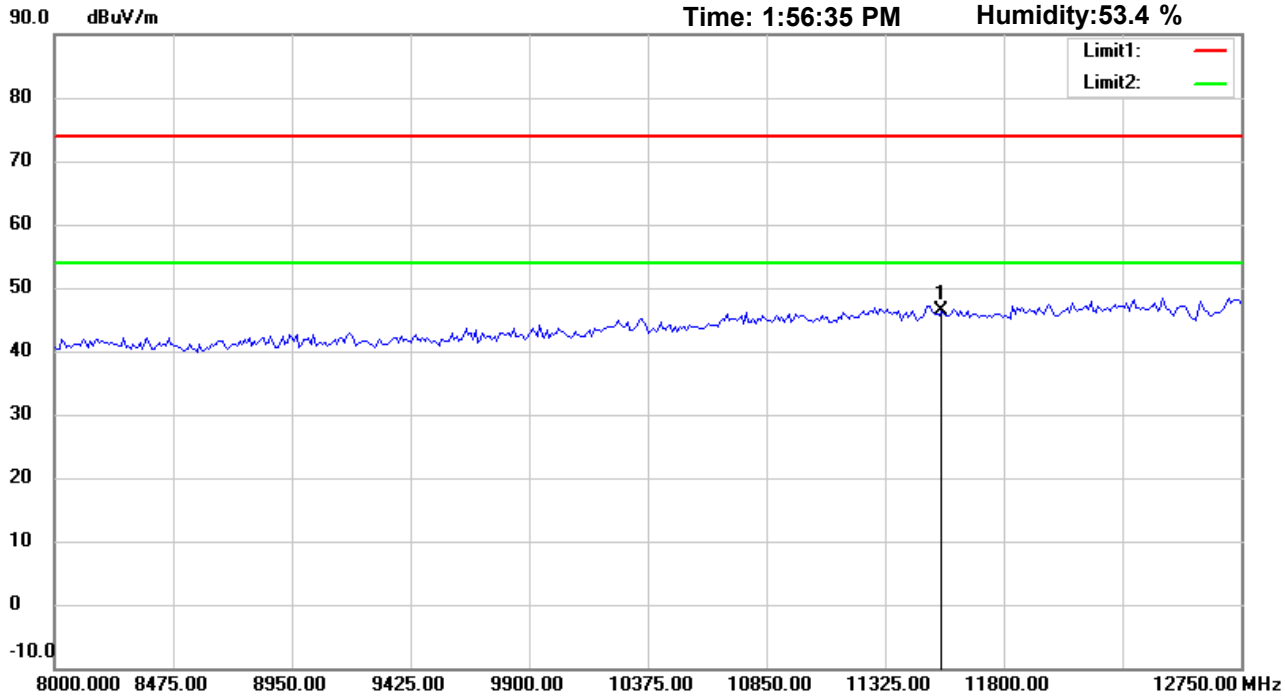
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 12/28/2019 Time: 1:56:35 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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
*	11550.000	35.09	peak	11.21	46.30	74.00	150	150	-27.70	

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

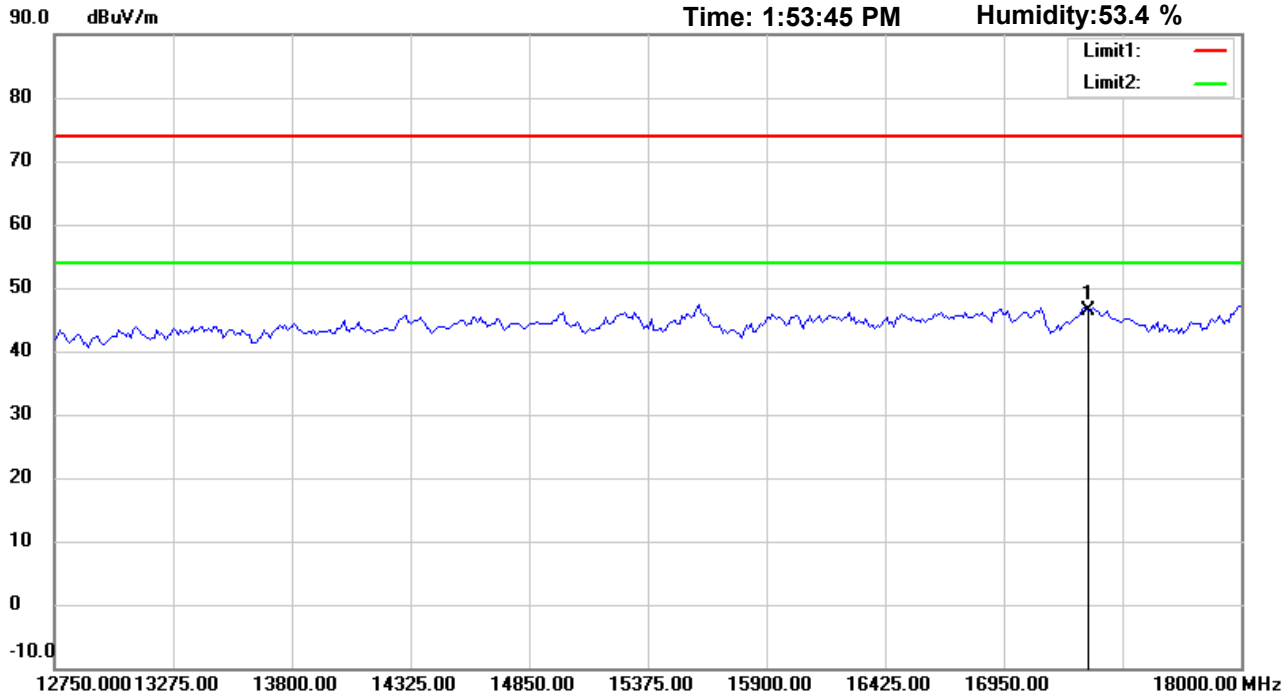
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 12/28/2019 Time: 1:53:45 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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
*	17325.000	25.66	peak	20.72	46.38	74.00	150	90	-27.62	

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

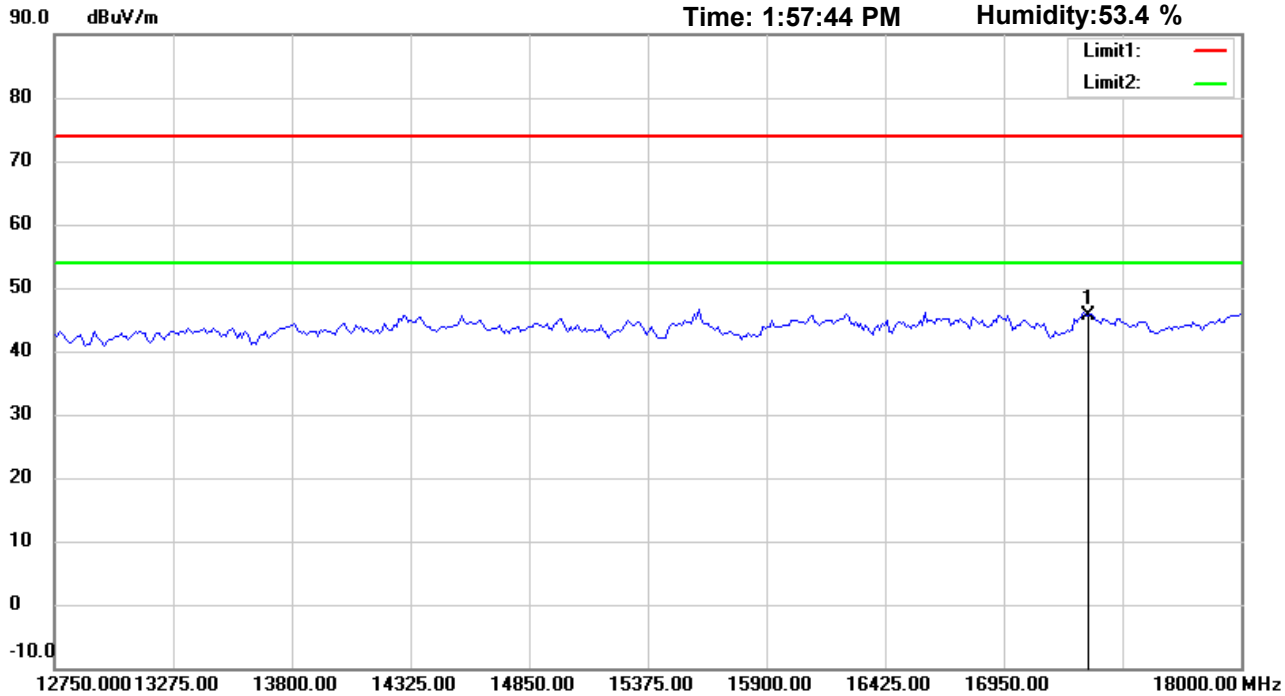
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 12/28/2019 Time: 1:57:44 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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
*	17325.000	24.86	peak	20.72	45.58	74.00	150	60	-28.42	

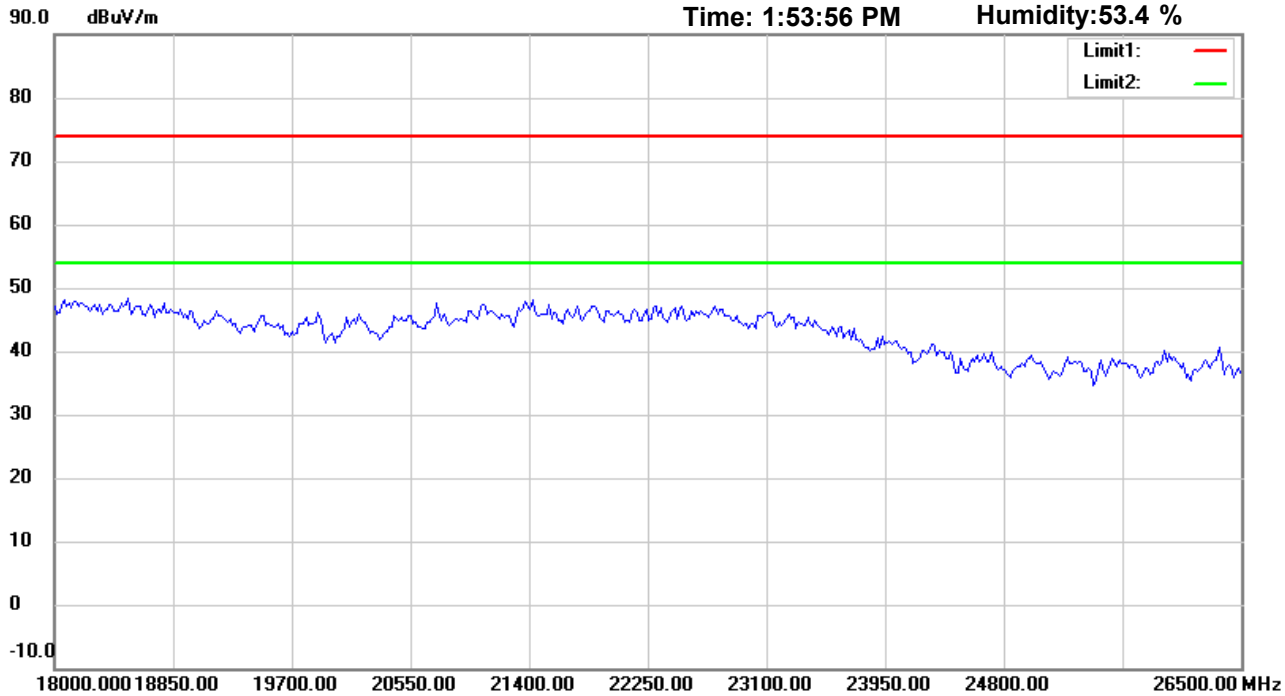
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#5 | Date: 12/28/2019 | Time: 1:53:56 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

Note :

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

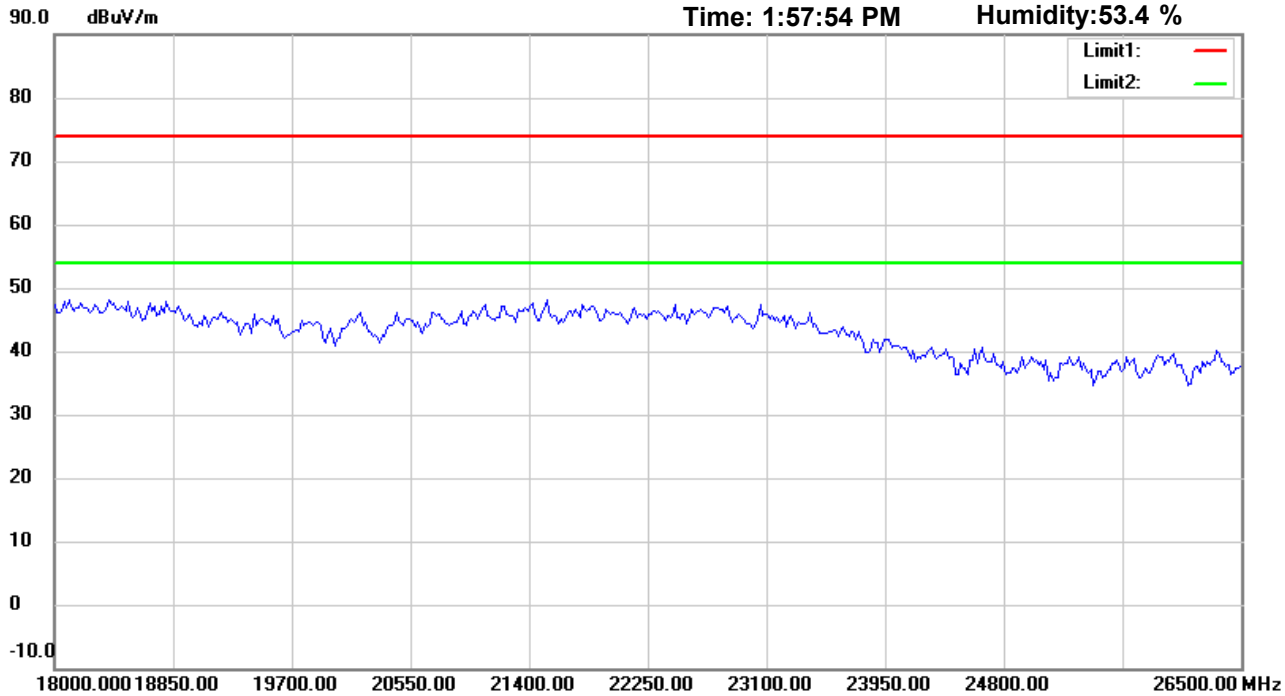
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#11 | Date: 12/28/2019 | Time: 1:57:54 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

Note :

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

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

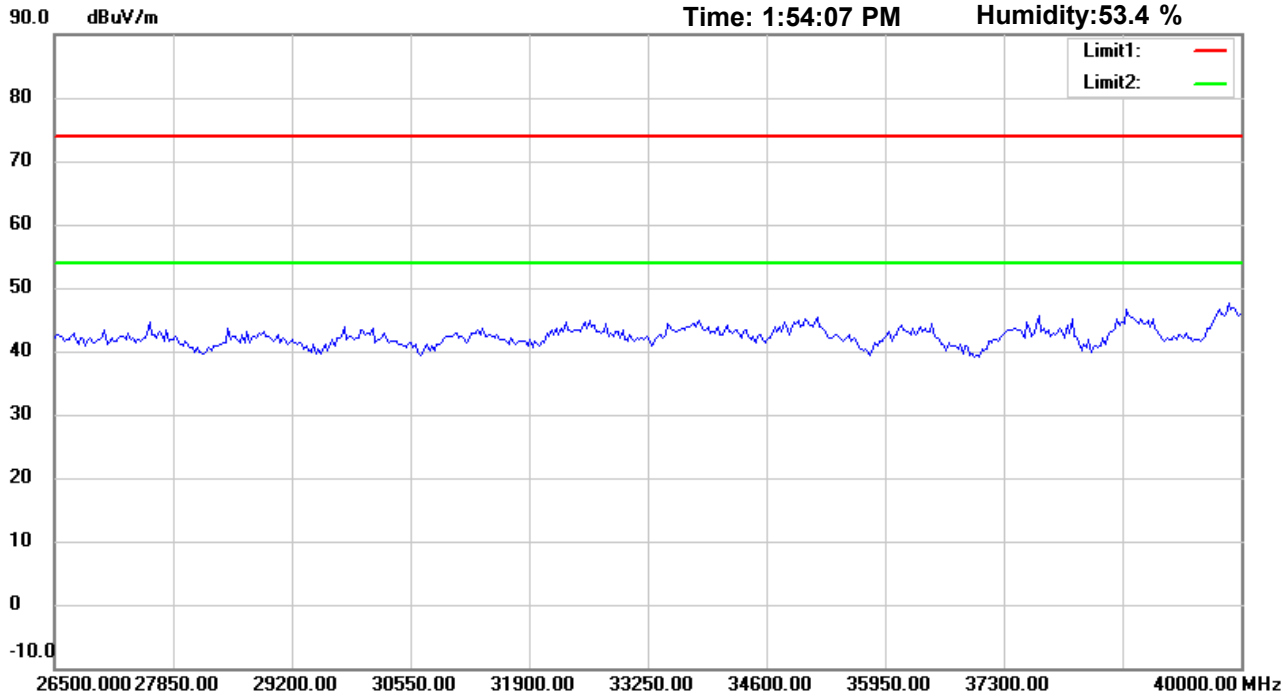
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 12/28/2019 Time: 1:54:07 PM

Temperature:21.5 ℃
Humidity:53.4 %



Site : Chamber
Condition : FCC_part 15E RE_Above 1GHz_PK
EUT : W6M21912-19549
M/N:
Test Mode : TX 802.11ac CH155
Note :

Polarization: *Horizontal*
Power : 48 Vd.c.
Distance: 3m

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

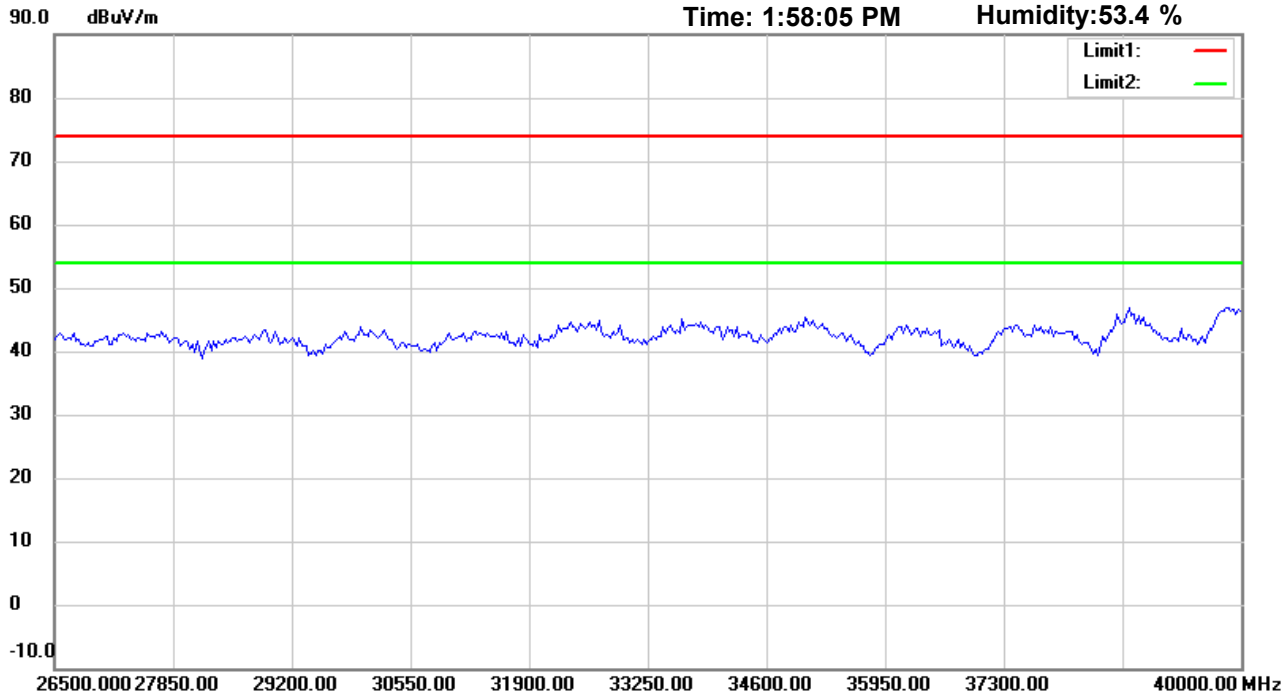
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Vincent

File :3 | Data :#12 | Date: 12/28/2019 | Time: 1:58:05 PM | Temperature:21.5 ℃ | Humidity:53.4 %



Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11ac CH155

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

MASK

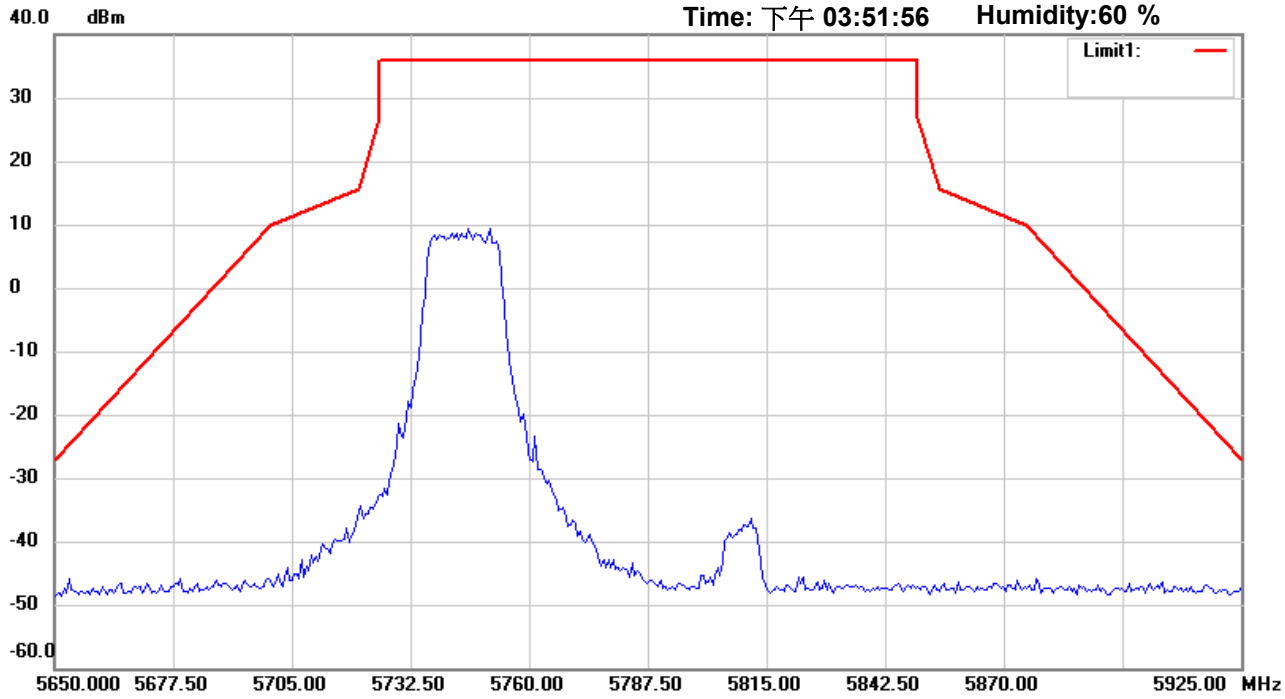
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :A ANT1 Data :#1 Date: 2020/2/24 Time: 下午 03:51:56

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT1 CH149

Note :

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

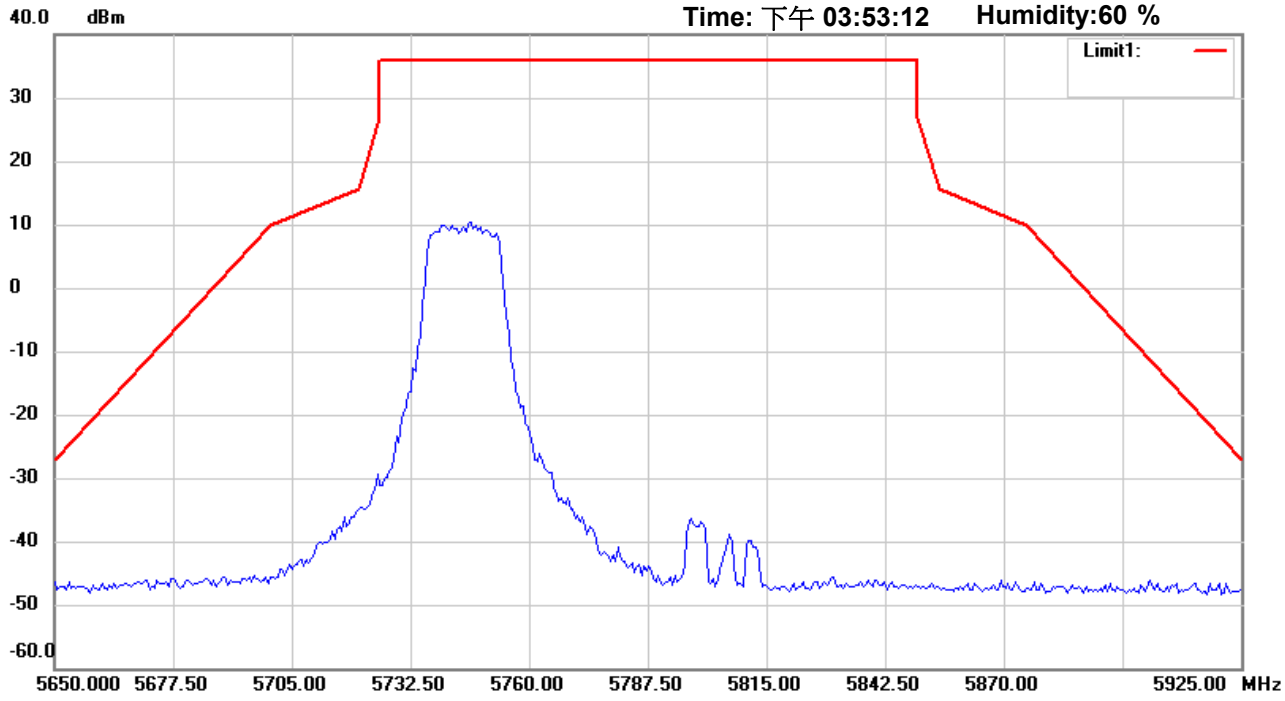
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT1 | Data :#2 | Date: 2020/2/24 | Time: 下午 03:53:12 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT1 CH149

Note :

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

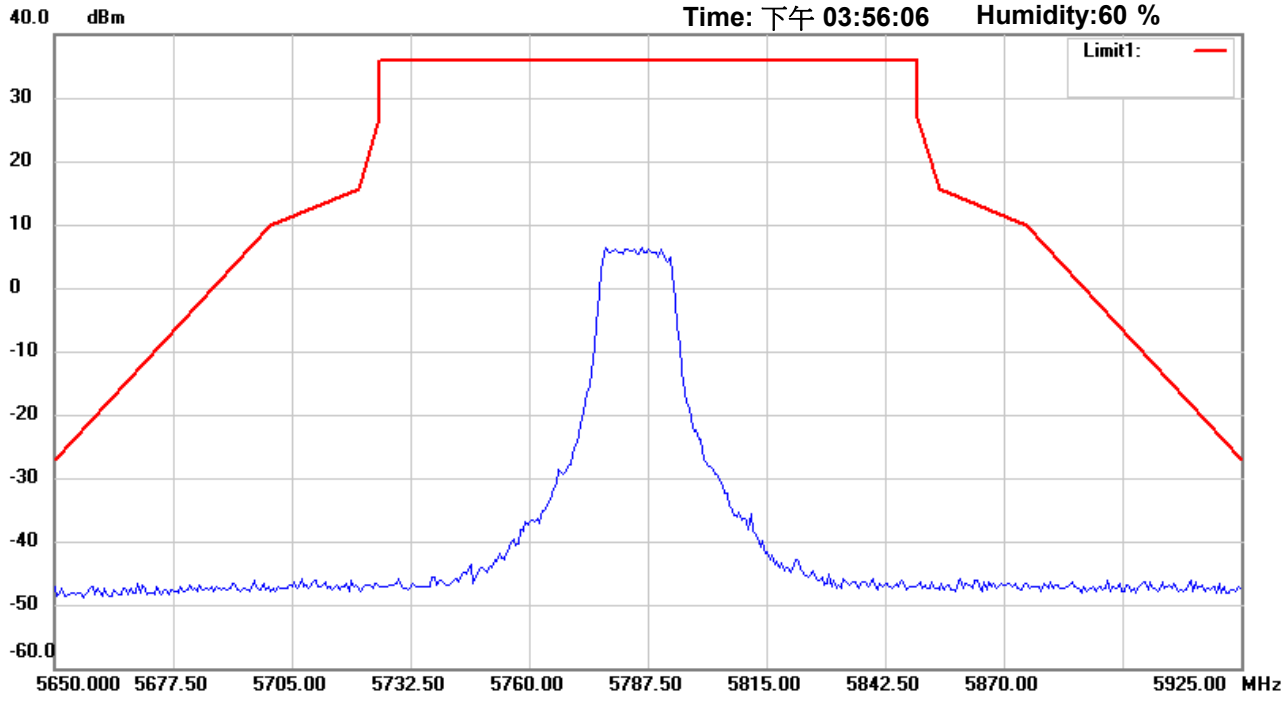
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT1 | Data :#3 | Date: 2020/2/24 | Time: 下午 03:56:06 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

EUT : W6M21912-19549

M/N:

Test Mode : 802.11A ANT1 CH157

Note :

Polarization: *Horizontal*

Power : 48 V d.c.

Distance: 3m

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

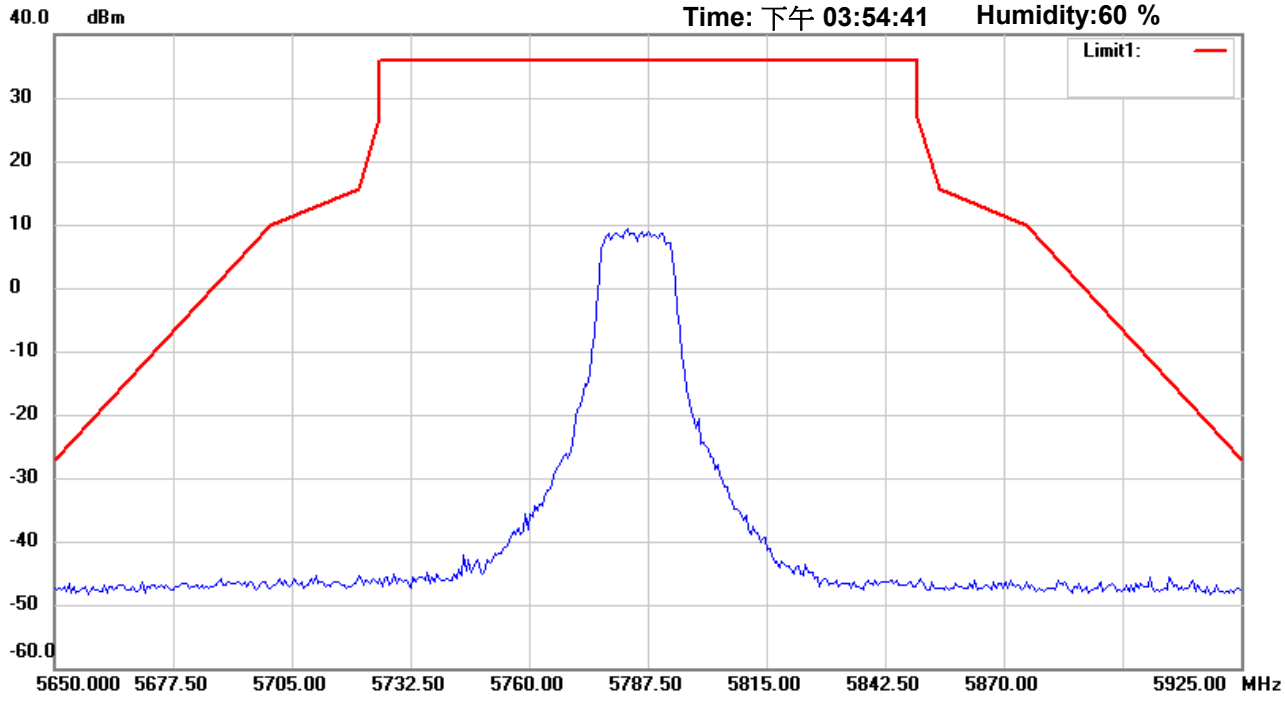
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT1 | Data :#4 | Date: 2020/2/24 | Time: 下午 03:54:41 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT1 CH157

Note :

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

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

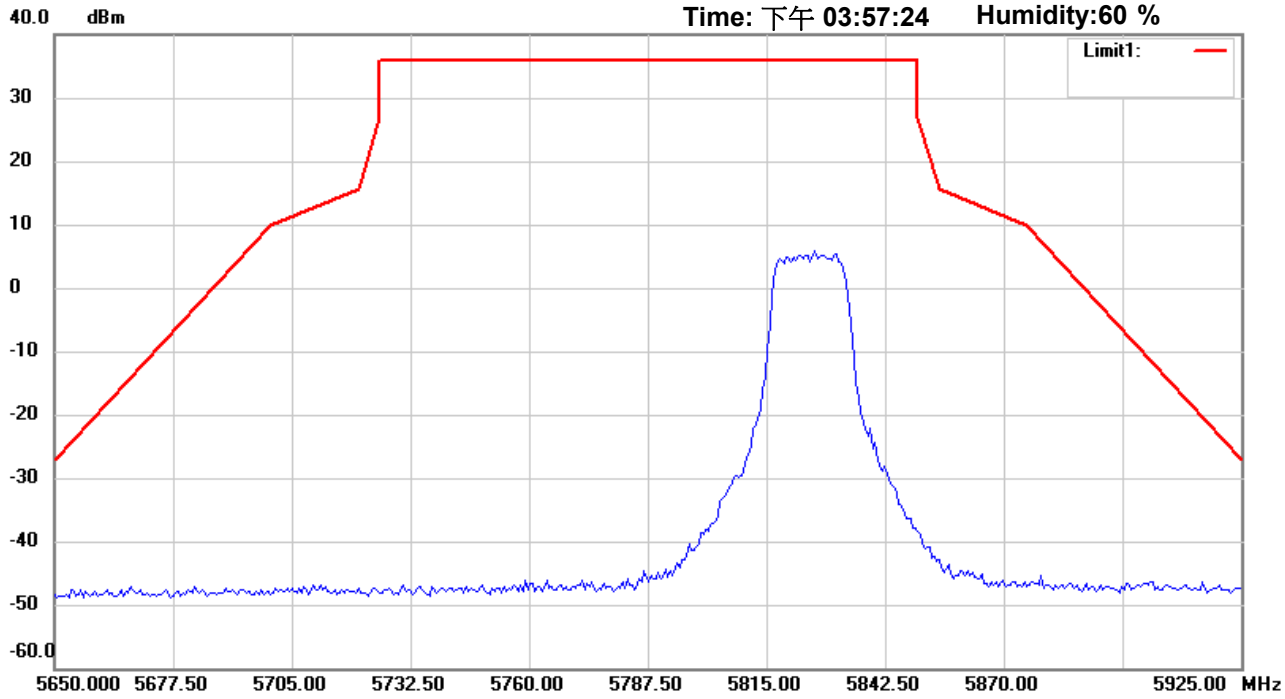
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :A ANT1 Data :#5 Date: 2020/2/24 Time: 下午 03:57:24

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT1 CH165

Note :

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

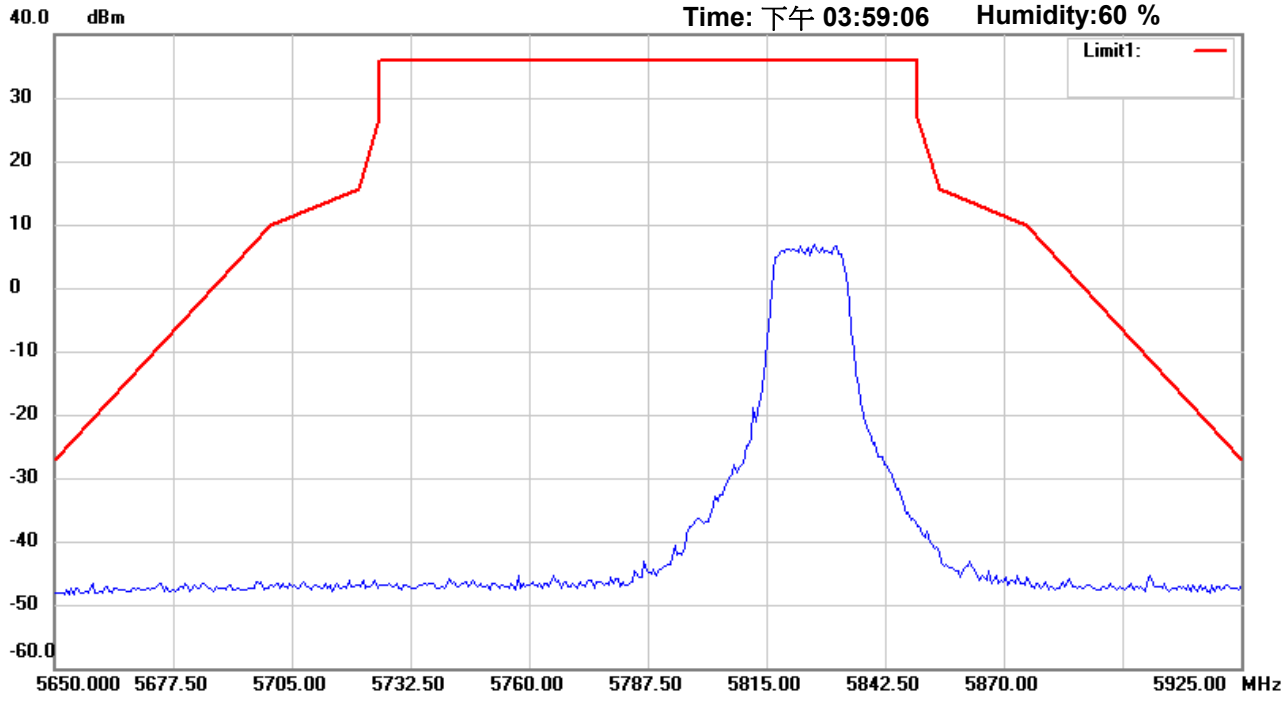
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT1 | Data :#6 | Date: 2020/2/24 | Time: 下午 03:59:06 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT1 CH165

Note :

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

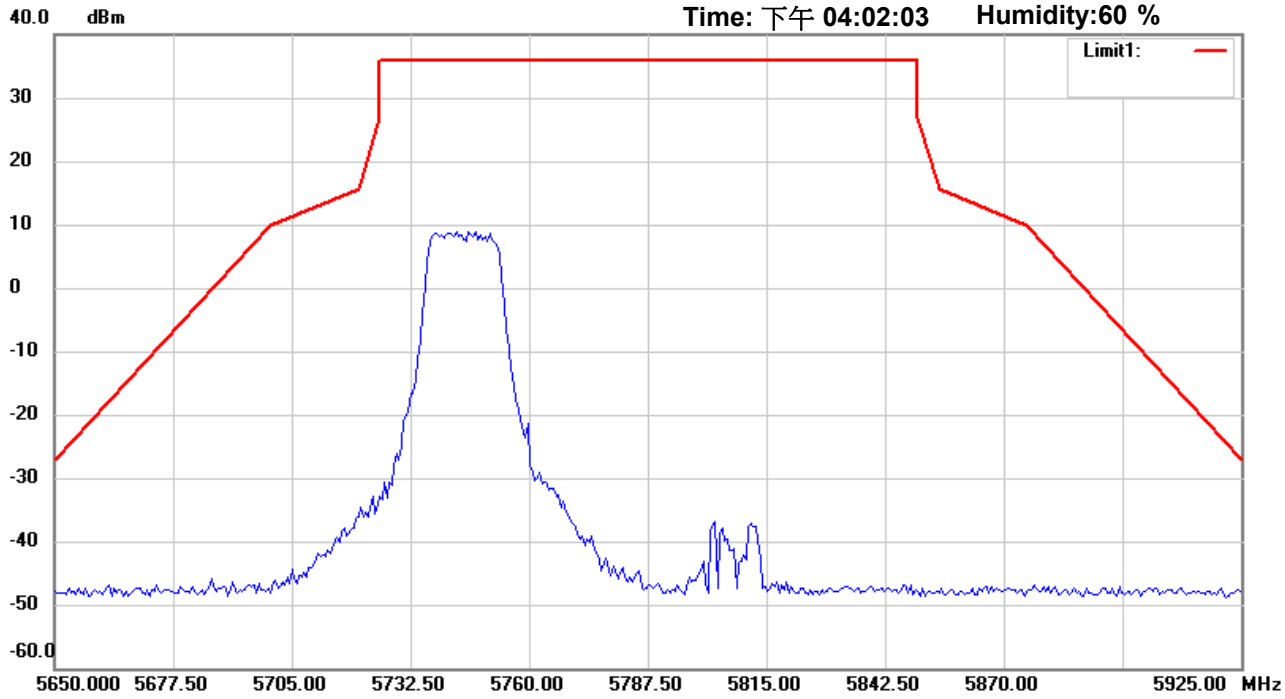
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#1 | Date: 2020/2/24 | Time: 下午 04:02:03 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

EUT : W6M21912-19549

M/N:

Test Mode : 802.11A ANT2 CH149

Note :

Polarization: *Horizontal*

Power : 48 V d.c.

Distance: 3m

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

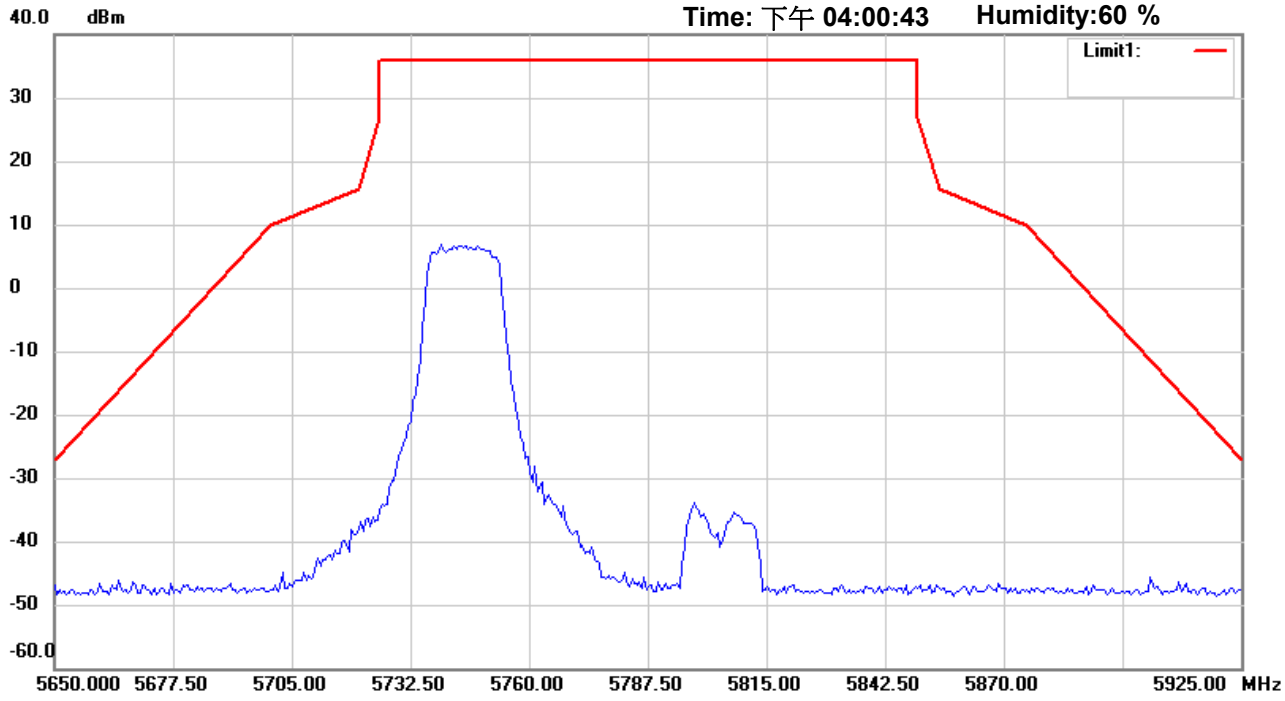
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#2 | Date: 2020/2/24 | Time: 下午 04:00:43 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT2 CH149

Note :

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

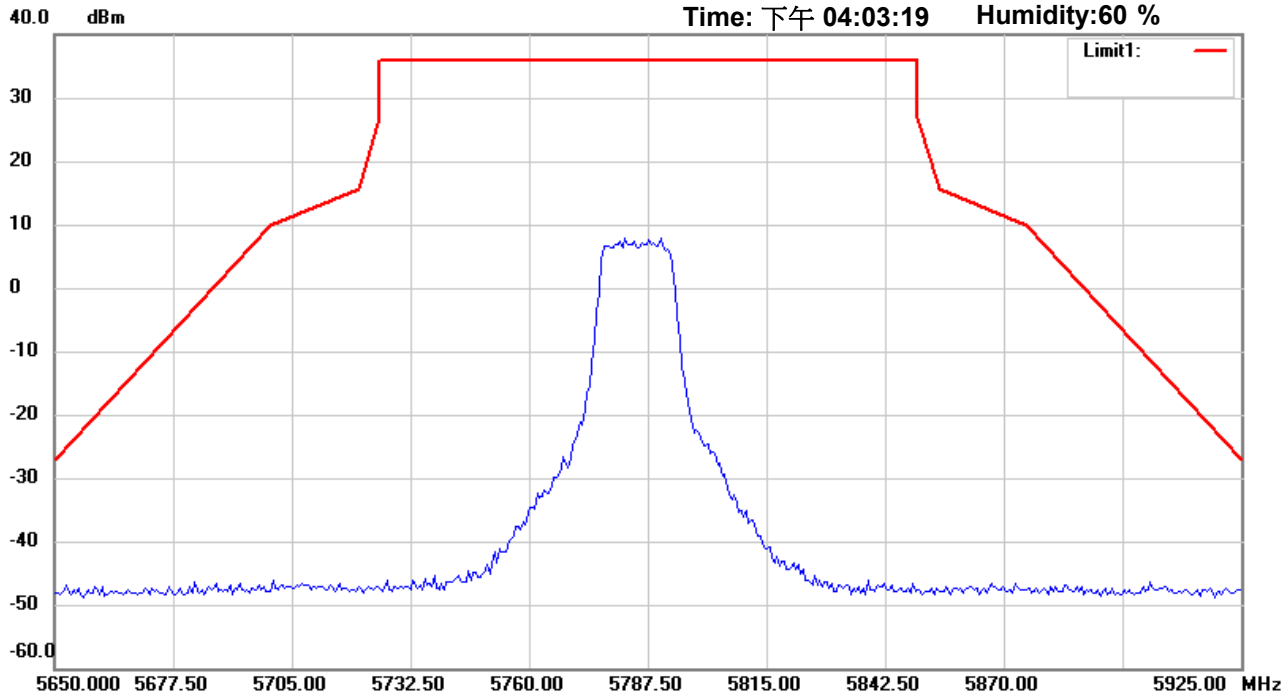
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#3 | Date: 2020/2/24 | Time: 下午 04:03:19 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

EUT : W6M21912-19549

M/N:

Test Mode : 802.11A ANT2 CH157

Note :

Polarization: *Horizontal*

Power : 48 V d.c.

Distance: 3m

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

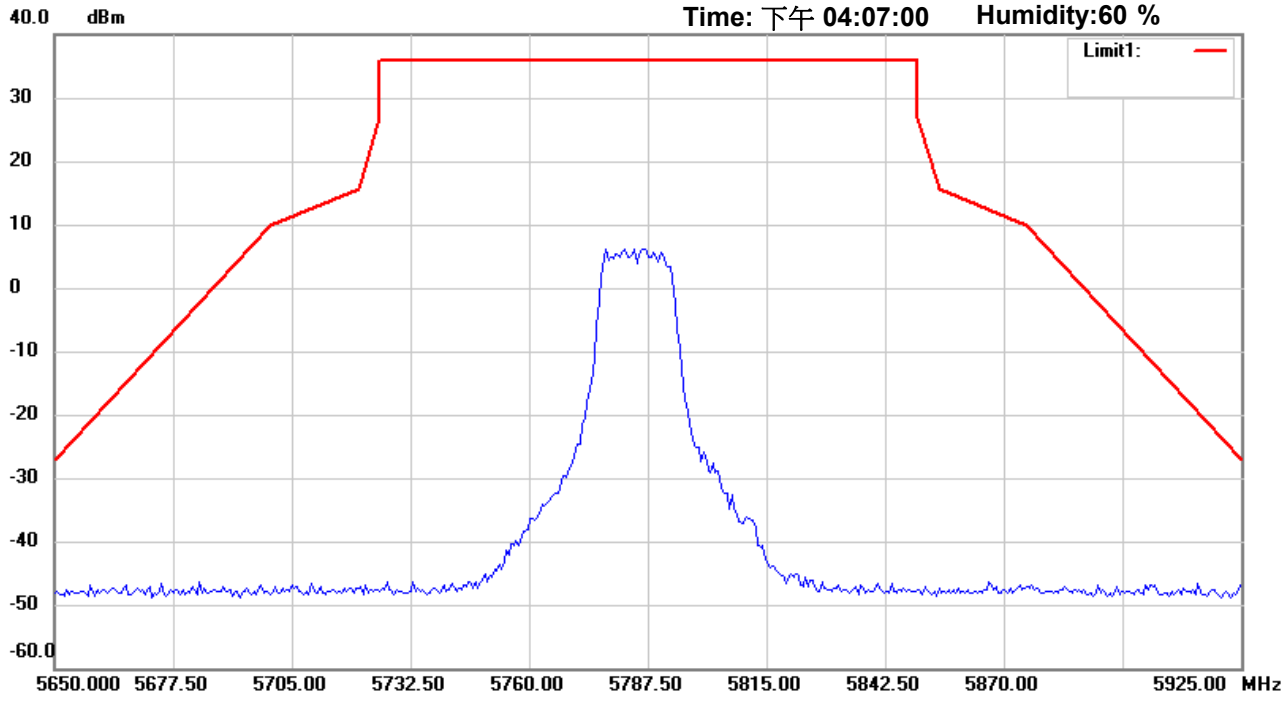
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#4 | Date: 2020/2/24 | Time: 下午 04:07:00 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT2 CH157

Note :

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

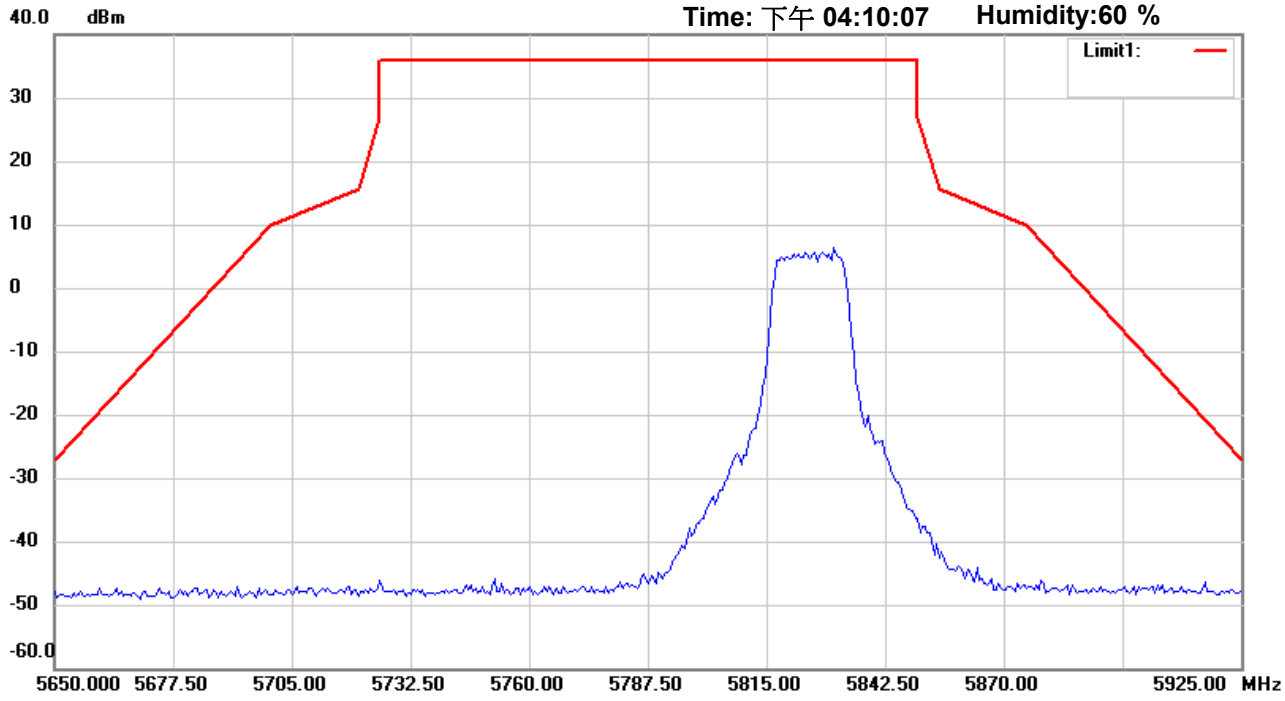
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#5 | Date: 2020/2/24 | Time: 下午 04:10:07 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

EUT : W6M21912-19549

M/N:

Test Mode : 802.11A ANT2 CH165

Note :

Polarization: *Horizontal*

Power : 48 V d.c.

Distance: 3m

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

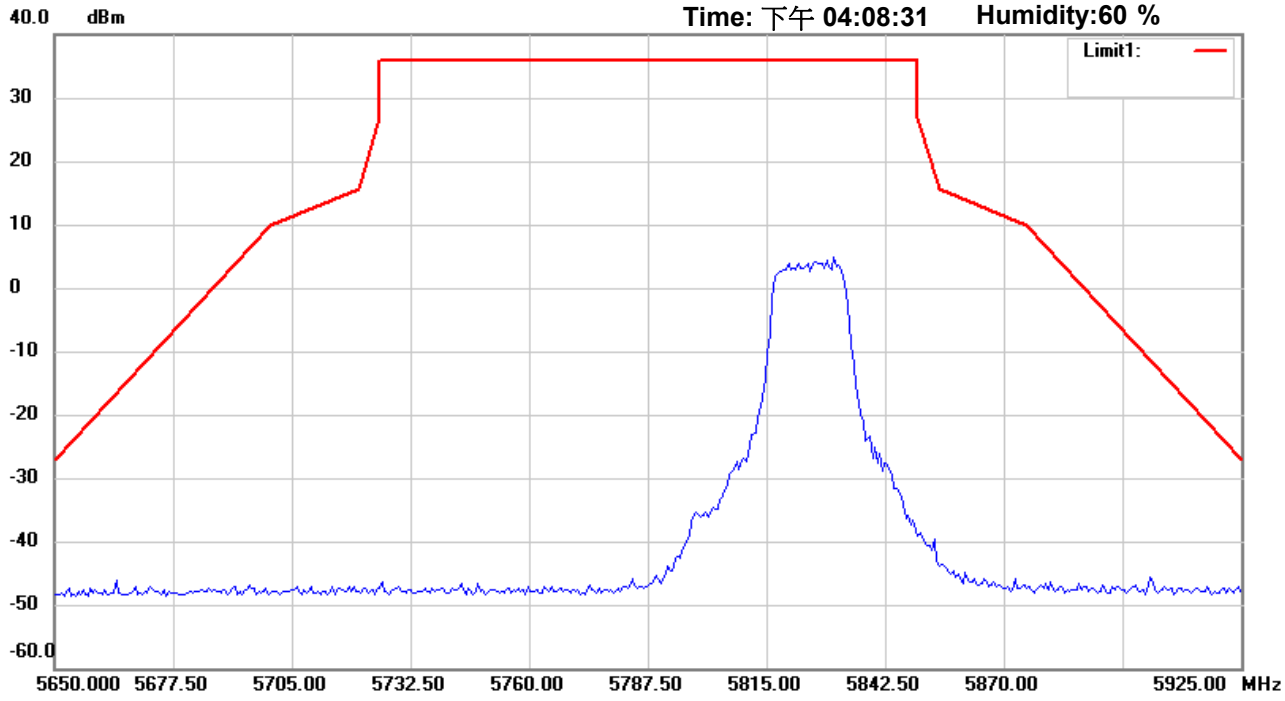
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Robert

File :A ANT2 | Data :#6 | Date: 2020/2/24 | Time: 下午 04:08:31 | Temperature:24 ℃ | Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11A ANT2 CH165

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	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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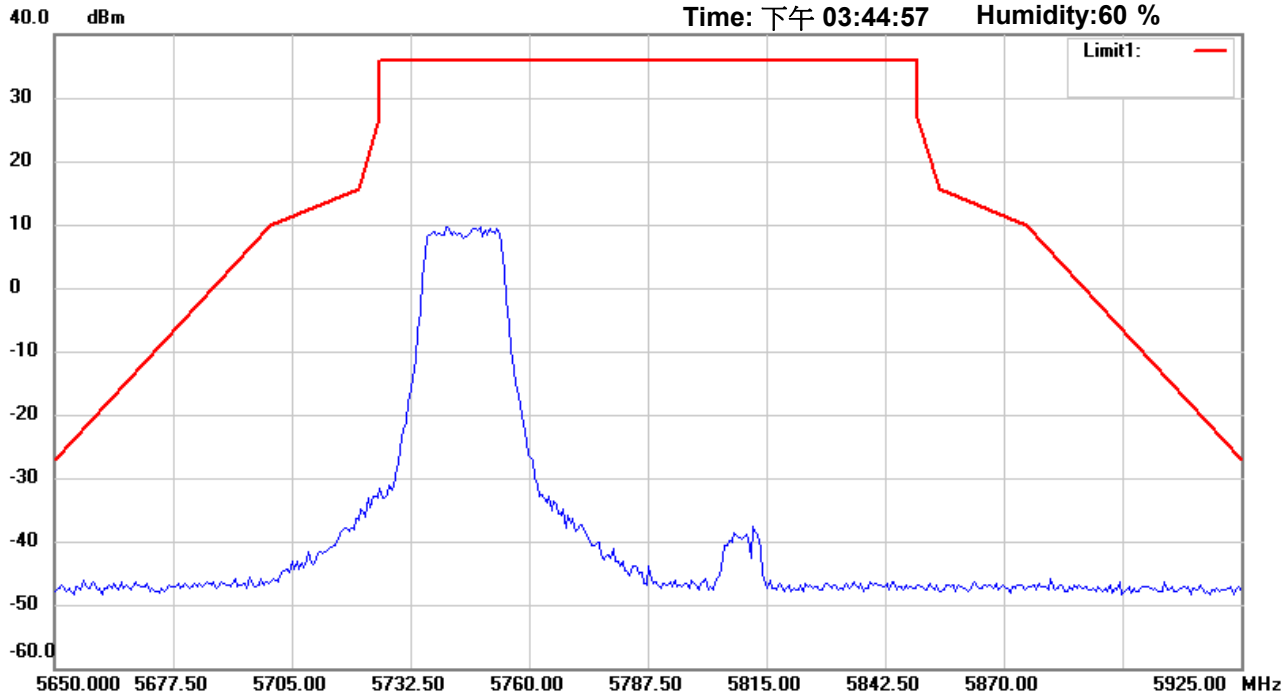
Radiated Emission Measurement

Operator: Robert

File :N20 Data :#1 Date: 2020/2/24 Time: 下午 03:44:57

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 20M CH149

Note :

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

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

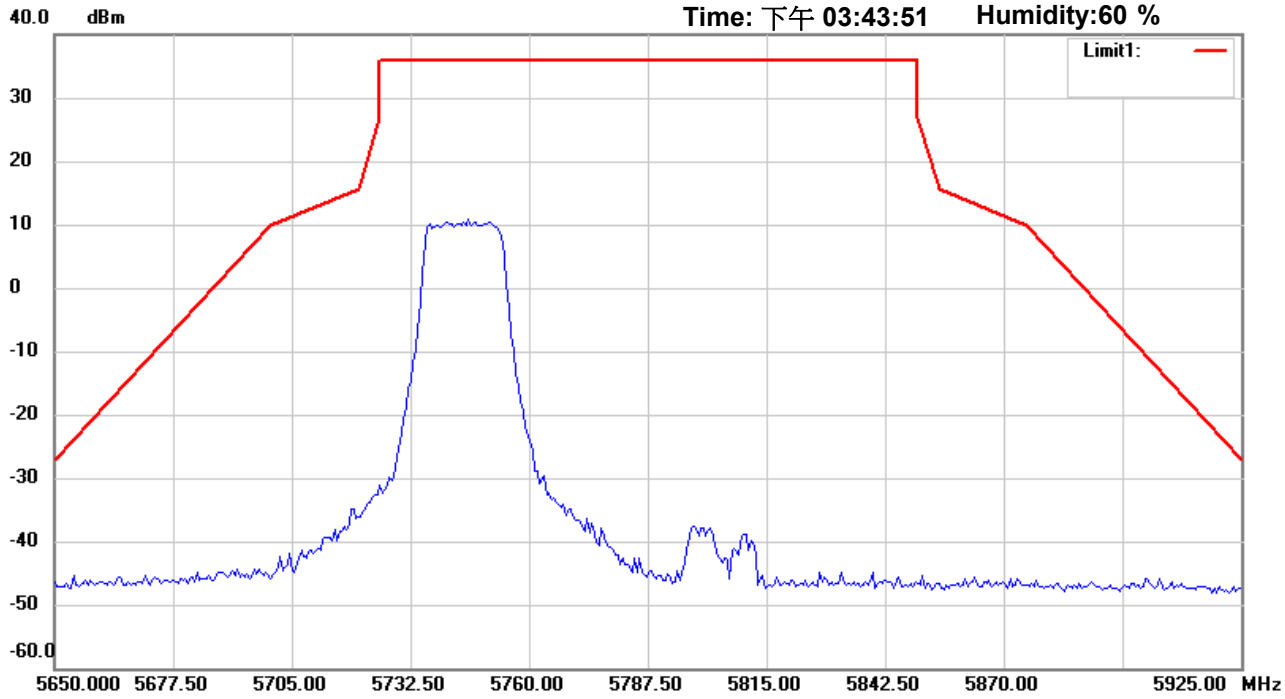
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N20 Data :#2 Date: 2020/2/24 Time: 下午 03:43:51

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 20M CH149

Note :

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

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

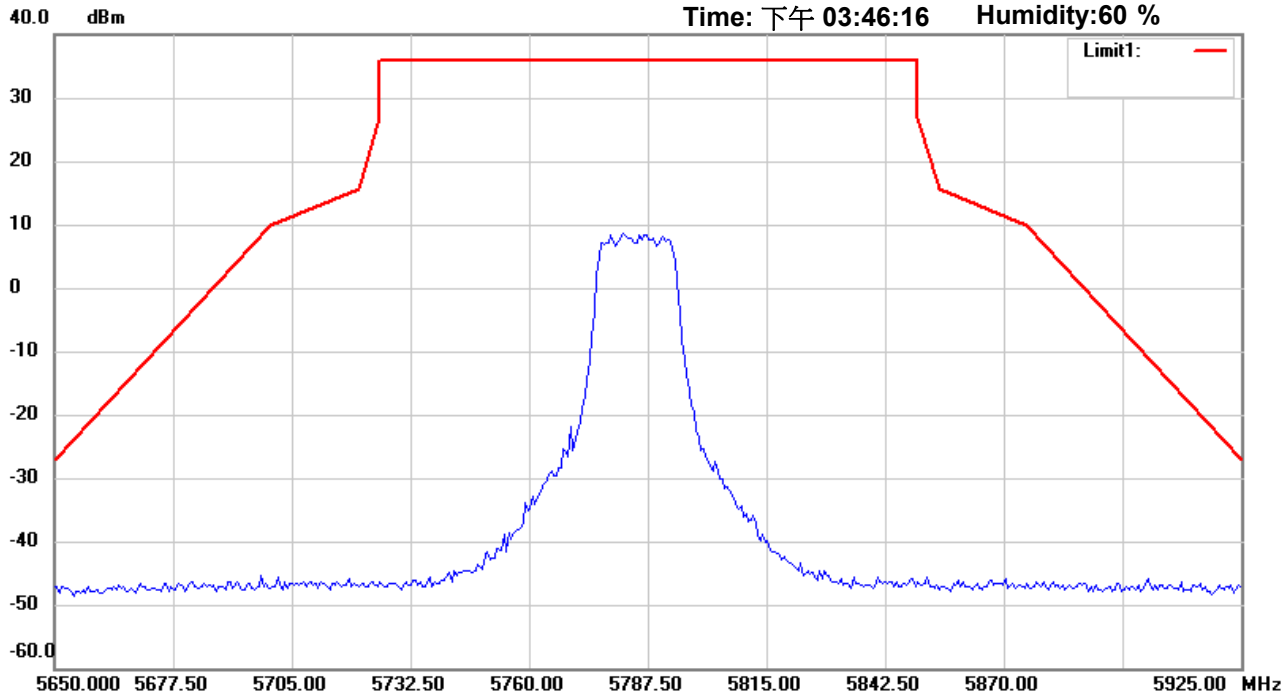
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N20 Data :#3 Date: 2020/2/24 Time: 下午 03:46:16

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 20M CH157

Note :

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

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

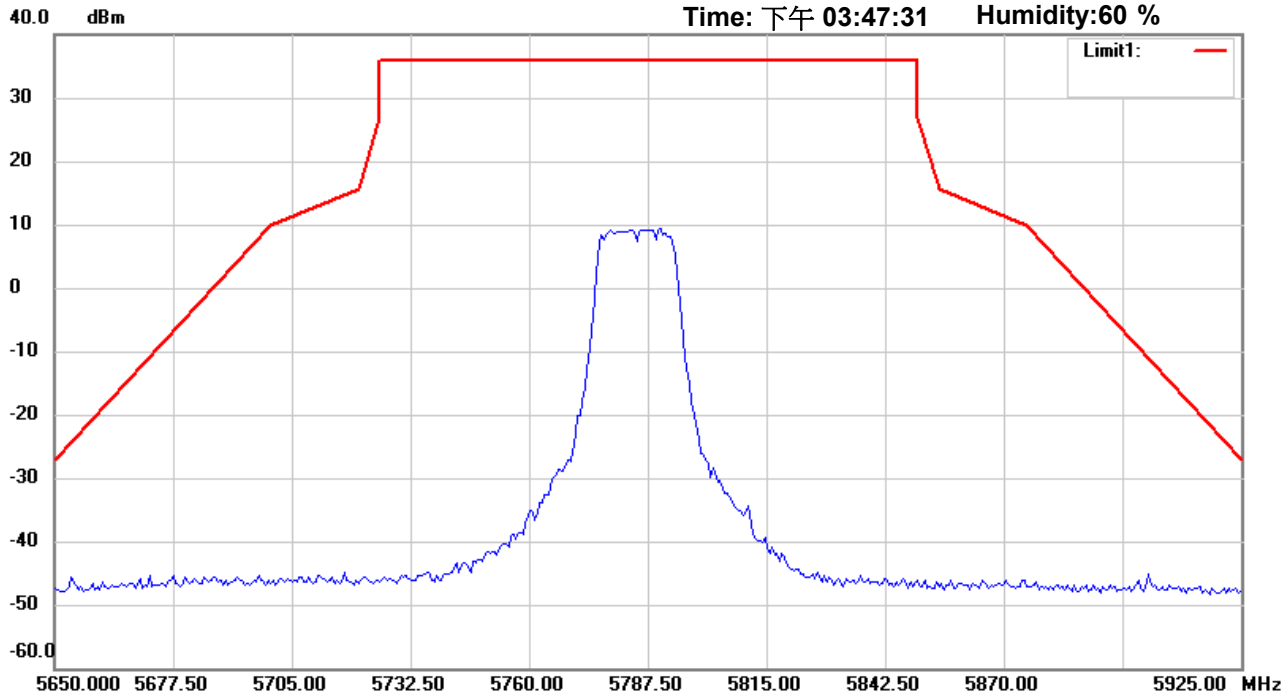
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N20 Data :#4 Date: 2020/2/24 Time: 下午 03:47:31

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 20M CH157

Note :

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

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

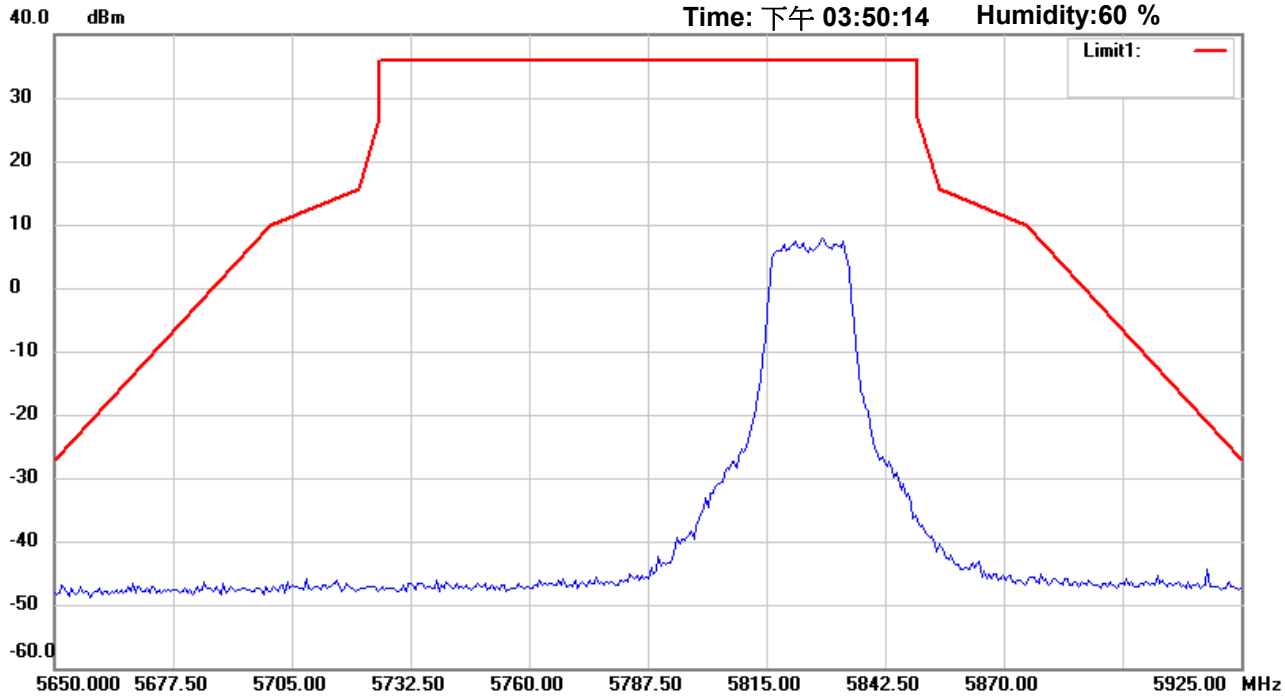
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N20 Data :#5 Date: 2020/2/24 Time: 下午 03:50:14

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

EUT : W6M21912-19549

M/N:

Test Mode : 802.11N 20M CH165

Note :

Polarization: *Horizontal*

Power : 48 V d.c.

Distance: 3m

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

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

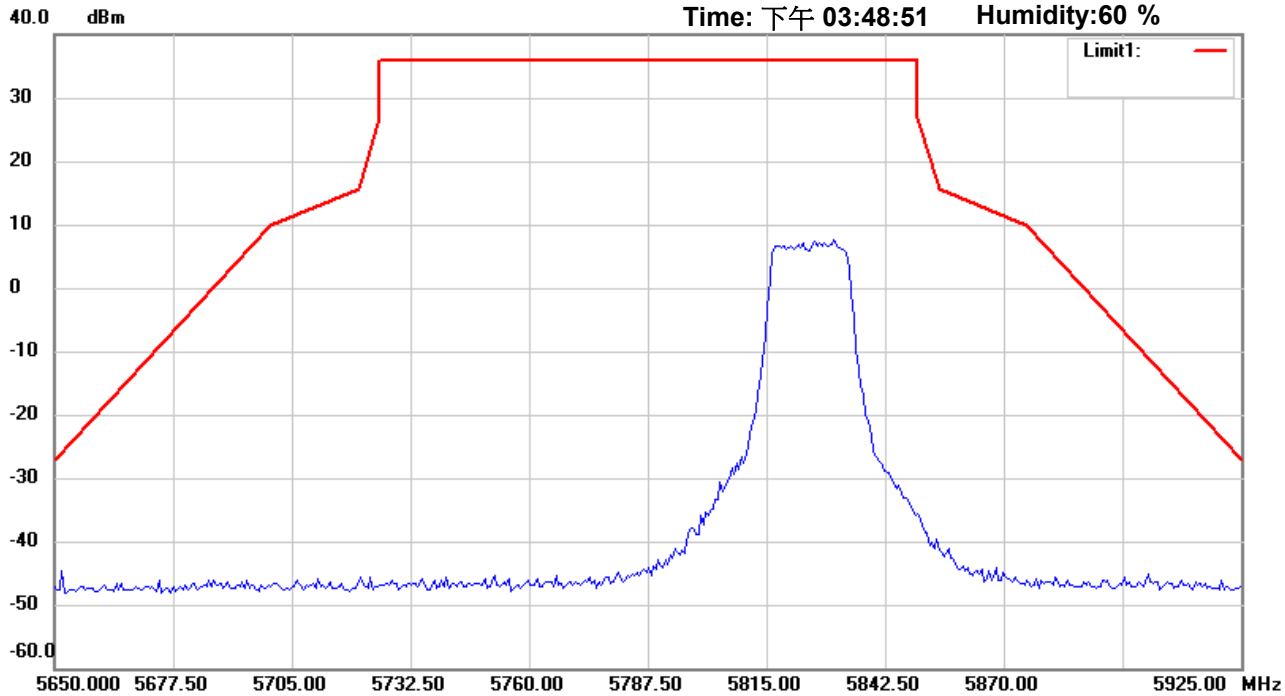
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N20 Data :#6 Date: 2020/2/24 Time: 下午 03:48:51

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 20M CH165

Note :

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

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

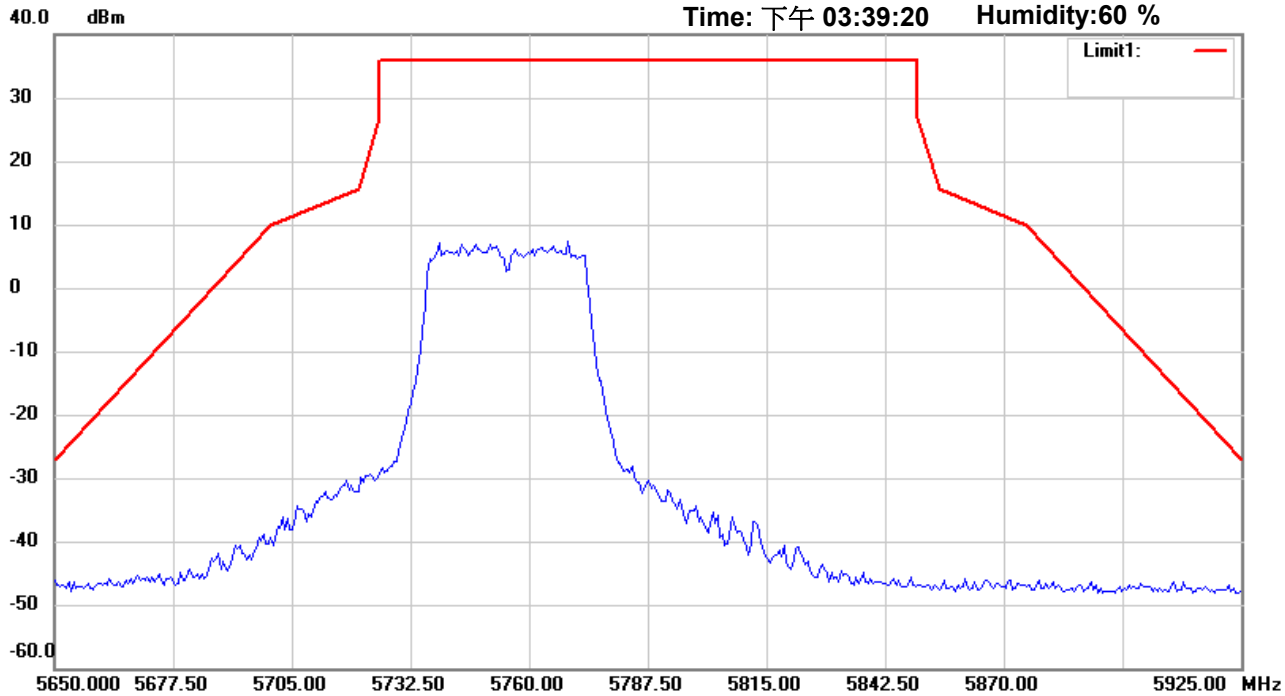
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N40 Data :#1 Date: 2020/2/24 Time: 下午 03:39:20

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 40M CH151

Note :

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

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

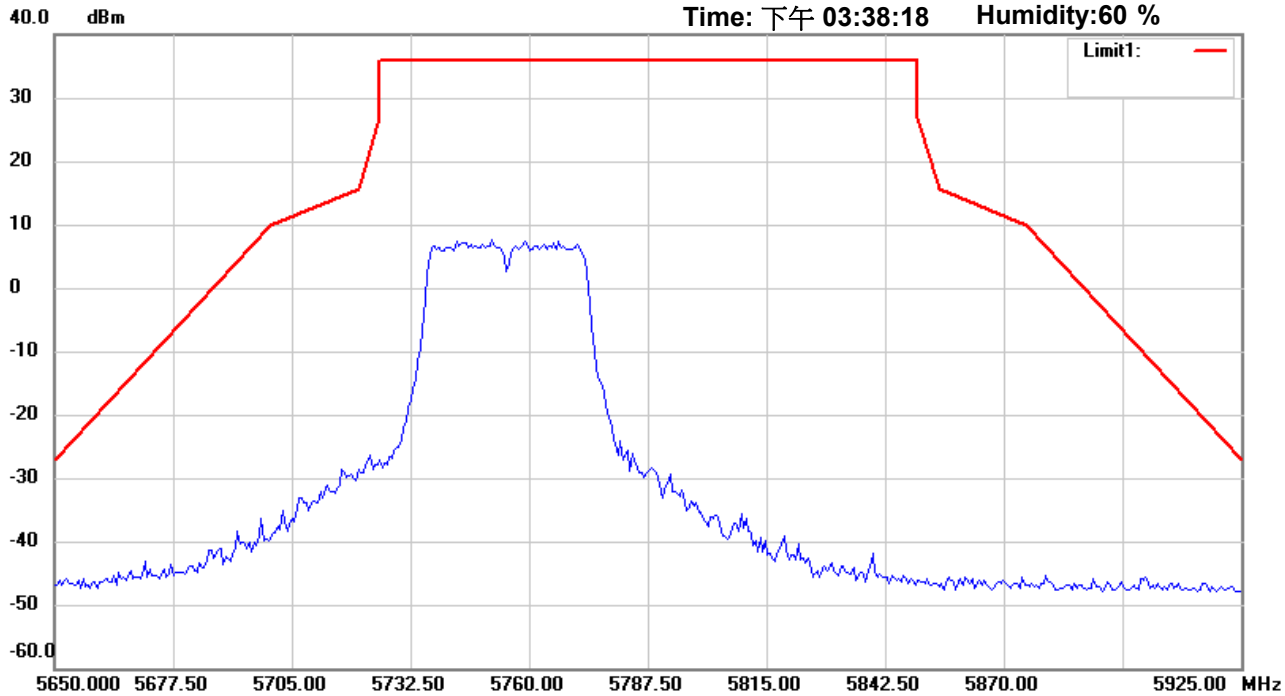
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N40 Data :#2 Date: 2020/2/24 Time: 下午 03:38:18

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 40M CH151

Note :

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

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

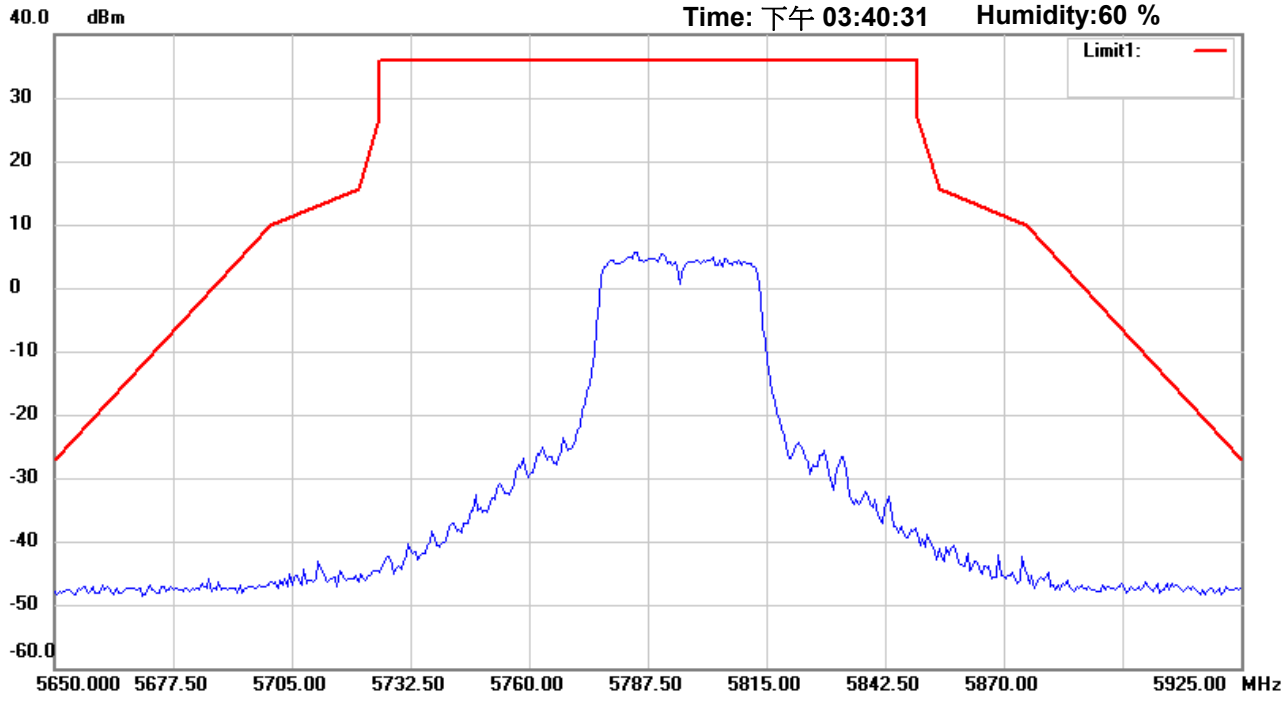
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N40 Data :#3 Date: 2020/2/24 Time: 下午 03:40:31

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 40M CH159

Note :

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

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

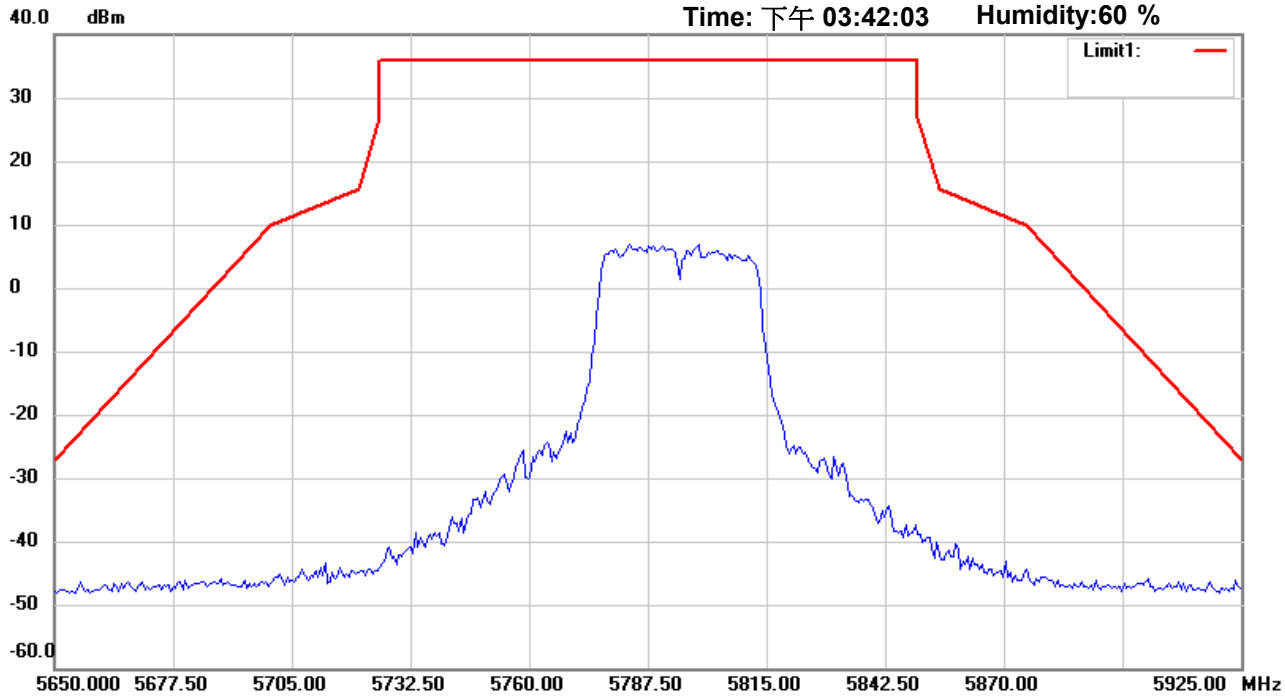
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :N40 Data :#4 Date: 2020/2/24 Time: 下午 03:42:03

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11N 40M CH159

Note :

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

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

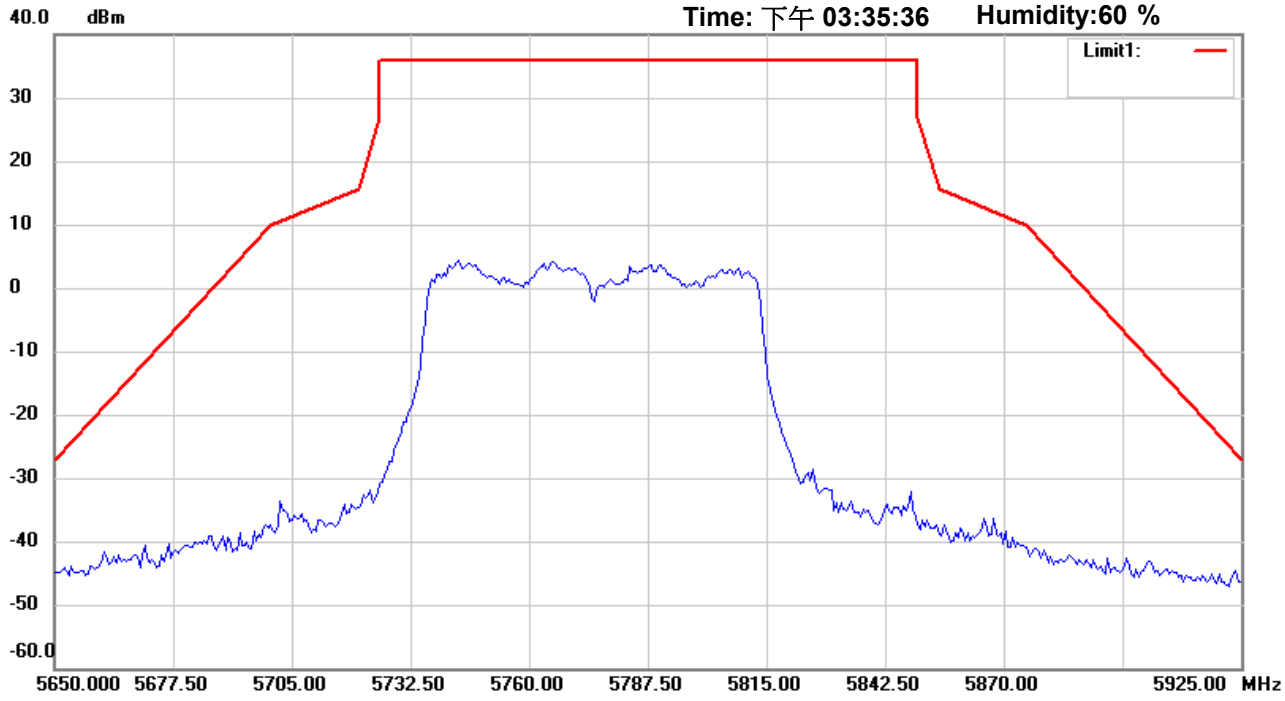
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :AC80 Data :#1 Date: 2020/2/24 Time: 下午 03:35:36

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Horizontal*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11AC 80M CH155

Note :

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

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

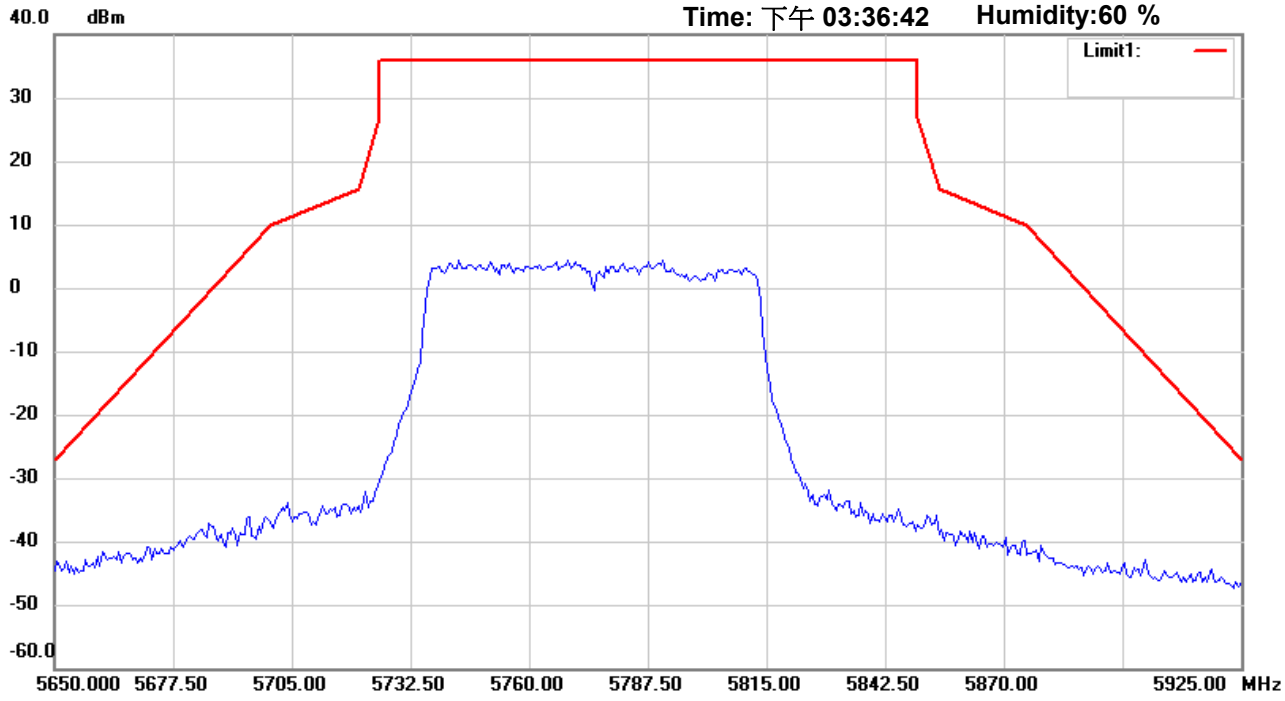
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Robert

File :AC80 Data :#2 Date: 2020/2/24 Time: 下午 03:36:42

Temperature:24 ℃
Humidity:60 %



Site : Chamber

Condition : NCC 4.7節 BAND4 MASK

Polarization: *Vertical*

EUT : W6M21912-19549

Power : 48 V d.c.

M/N:

Distance: 3m

Test Mode : 802.11AC 80M CH155

Note :

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

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