## FCC PART 15 SUBPART C / IC RSS-247 TEST REPORT

for

**ModCom One Bluetooth Headset** 

Model No.: MC1-BT

FCC ID: 2AEABMC1V2

IC: 12773A-MC1V2

of

Applicant: Trident Communication Technology, LLC
Address: 8 Faulkner Hill Road Acton Massachusetts 01720
United States

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW1111, TW1072, TW1110

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

A2LA Accredited No.: 2732.01





Report No.: W6M21801-17819-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C. TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

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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.

**Tester:** 

February 26, 2018 Mark Cheng

Date WTS-Lab. Name Signature

Technical responsibility for area of testing:

February 26, 2018 Kevin Wang

Date WTS Name Signature



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### 1.2 Testing laboratory

#### 1.2.1 Location

**OATS** 

No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

3 meter semi-anechoic chamber

No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

TEL:886-2-6613-0228 FAX:886-2-2791-5046

#### Company

Worldwide Testing Services(Taiwan) Co., Ltd. 6F, NO. 58, LANE 188, RUEY-KUANG RD. NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877 Fax : 886-2-66068879

#### 1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. TW1477, TW1111, TW1072, TW1110 Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1

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

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

### 1.3 Details of approval holder

Name: Trident Communication Technology, LLC

Street: 8 Faulkner Hill Road

Town: Acton Massachusetts 01720

Country: United States
Telephone: +1-978-944-1490
Fax: +1-978-266-2921



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## 1.4 Application details

Date of receipt of test item: January 31,2 018

Date of test: from February 01, 2018 to February 26, 2018

#### 1.5 General information of Test item

Type of test item: ModCom One Bluetooth Headset

Model Number: MC1-BT

Multi-listing model number: ./.

Photos: see Annex

**Technical data** 

Frequency band: 2402 MHz - 2480 MHz

Frequency (ch A): 2402 MHz Frequency (ch B): 2441 MHz Frequency (ch C): 2480 MHz

<u>Transmitter</u> <u>Unom</u>

Normal Mode

Power ( ch 0): Conducted: 6.22 dBm Power ( ch 39): Conducted: 7.50 dBm Power ( ch 78): Conducted: 8.17 dBm

**EDR Mode** 

Power ( ch 0): Conducted: 5.63 dBm Power ( ch 39): Conducted: 6.37 dBm Power ( ch 78): Conducted: 7.23 dBm

Power supply: Battery 3.7Vd.c., 200mA

Operation modes: duplex

Modulation Type: GFSK  $\cdot \pi / 4DQPSK \cdot 8DPSK$ 

Antenna Type: Wire Antenna

Antenna gain: 0.06 dBi

Host device: none



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

Manufacturer: (if applicable)

Name: WANSTONIC ELECTRONICS (DONG GUAN) CO., LTD.

Street: Tung Fu Rd. West,

Town: Shi Jie Town, Dongguan City, Guangdong,

Country: China

Additional information: ./.

#### 1.6 Test standards

FCC RULES PART 15 SUBPART C § 15.247 (2016-10)

RSS-247 Issue 2: February 2017

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## 2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course	×
of the tests performed.	
or	
The deviations as specified in 3 were ascertained in the course of the tests	
performed.	

### 2.2 Test environment

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply Battery 3.7Vd.c., 200mA

Extreme conditions parameters: test voltage : -- extreme

min: -- V

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty: 1.54 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz: 2.17 dB 30-1000 MHz: 3.57 dB 1-18 GHz: 2.60 dB 18-40 GHz: 2.58 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: 1.01 dB
Estimation Result of Uncertainty of Power Density Measurement Power density	Expanded Uncertainty: 1.73 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty: 0.98 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement Hopping channel separation	Expanded Uncertainty: 552.91 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement Dwell time	Expanded Uncertainty: 0.099 ms



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## 2.3 Test Equipment List

No.	No. Test equipment		Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2017/5/26	2018/5/25
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function	on Test
ETSTW-CE 004	ZWEILEITER-V- NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2017/10/26	2018/10/25
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2017/8/22	2018/8/21
ETSTW-CE 008	HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function	on Test
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2017/7/14	2018/7/13
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2017/8/31	2018/8/30
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2017/7/11	2018/7/10
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2017/5/26	2018/5/25
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2017/5/17	2018/5/16
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2017/8/25	2018/8/24
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	2017/7/4	2018/7/3
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2017/7/3	2018/7/2
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2017/3/22	2018/3/21
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2018/1/23	2019/1/22
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2017/4/10	2018/4/9
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2017/4/27	2018/4/26
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-te	st Use
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2018/2/21	2019/2/20
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2018/2/21	2019/2/20
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2018/2/21	2019/2/20
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2018/2/21	2019/2/20
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2018/2/21	2019/2/20
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2017/4/12	2018/4/11
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function	on Test
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function	on Test
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	НР	2017/9/11	2018/9/10
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2017/9/19	2018/9/18
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2017/4/6	2018/4/5



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1C. 12//3A-W	101 12						
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2018/2/21	2019/2/20	
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Functi	on test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2018/1/15	2019/1/14	
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Functi	n test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2017/5/26	2018/5/25	
ETSTW-RE 125	5GHz Notch filter	5NSL11- 5200/E221.3-O/O	1	K&L Microwave	2017/8/9	2018/8/8	
ETSTW-RE 126	5GHz Notch filter	5NSL12- 5800/E221.3-O/O	1	K&L Microwave	2017/8/9	2018/8/8	
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2018/2/21	2019/2/20	
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2017/8/9	2018/8/8	
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2017/8/9	2018/8/8	
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-te	st Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2017/4/12	2018/4/11	
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2017/3/22	2018/3/21	
ETSTW-RE 151	Thermohygrometer	608-h1	45104376	TESTO	2017/8/30	2018/8/29	
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2017/5/10	2018/5/9	
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2018/2/21	2019/2/20	
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2018/2/7	2019/2/6	
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2017/10/16	2018/10/15	
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849- 822/851-40 /12+9SS	3	WI	2018/1/11	2019/1/10	
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748- 1743/1752-32/5SS	1	WI	2018/1/11	2019/1/10	
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5 -1875.5/1884.5- 32/5SS	3	WI	2018/1/11	2019/1/10	
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1- 904.25-50/8SS	1	WI	2018/1/11	2019/1/10	
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2017/9/13	2018/9/12	
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test U	Jse NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2018/2/22	2019/2/21	
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2018/2/22	2019/2/21	
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2018/2/22	2019/2/21	
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2018/2/22	2019/2/21	
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2017/7/3	2018/7/2	
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2017/4/6	2018/4/5	
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2018/2/21	2019/2/20	
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2017/5/12	2018/5/11	
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2017/9/7	2018/9/6	
			I				



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		CLICOEL EV 104				
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2018/2/21	2019/2/20
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325519	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2018/2/21	2019/2/20
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2017/8/31	2018/8/30
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM- NM-25000	170239	EMCI	2018/2/21	2019/2/20
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	

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#### 2.4 General Test Procedure

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

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.10-2013 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient, temperature of the UUT was 23°C with a humidity of 40 %.

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

Example:

Freq (MHz) METER READING + ACF + CABLE LOSS (to the receiver) = FS

 $20 \text{ dB}\mu\text{V} + 10.36 \text{ dB} + 6 \text{ dB} = 36.36 \text{ dB}\mu\text{V/m} \text{ @3m}$ 

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

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

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

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



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

The formula is as follows:

Average = Peak + Duty Factor

Duty Factor = 20 log (dwell time/T)

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

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

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



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## 3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	E.	E9	
	IC RSS-247 5.4	×	×	
Equivalent radiated Power	15.247(b)	×	×	
	IC RSS-247 5.4	~	Ł	Ш
Spurious Emissions radiated – Transmitter operating	15.247(c)	×	×	
	IC RSS-247 5.5		Ł	
Spurious Emissions conducted – Transmitter operating	15.247			
	IC RSS-247 5.5	Ш		
Carrier Frequency Separation	15.247(a) (1)	×	×	
	IC RSS-247 5.1	<u></u>	<u></u>	
Number of Hopping Frequencies	15.247(a) (1)(i)	×	×	
	IC RSS-247 5.1	<u></u>	N.	
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	×	×	п
	IC RSS-247 5.1		<u></u>	
20 dB Bandwidth	15.247(a) (1)(i)	×	×	п
	IC RSS-247 5.1			
Band-edge Compliance of RF Emission	15.247(c)	×	×	П
	IC RSS-247 5.1			
Radiated Emissions from Receiver Section of Transceiver	15.109	×	×	П
	IC RSS-247 5.5	E-1	<u> </u>	
Power Line Conducted Emission	15.207(a)			
	IC RSS-Gen			

The follows is intended to leave blank.

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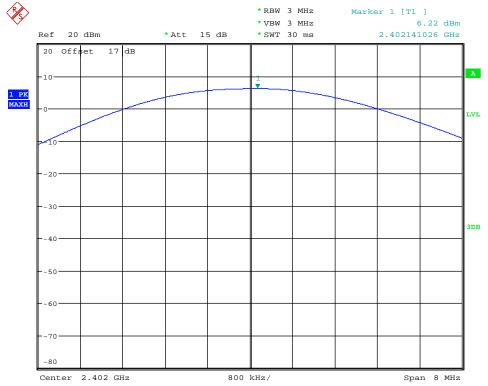
## 3.1 Peak Output Power (transmitter)

FCC Rule: 15.247

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

#### Normal mode

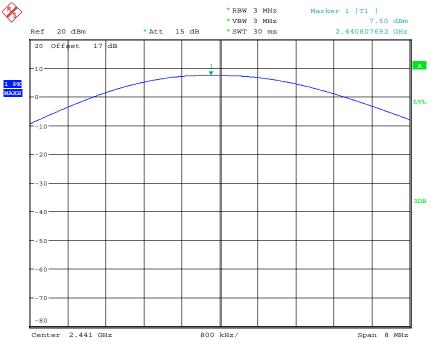


MAX OUTPUT POWER CH0
Date: 7.FEB.2018 13:58:36

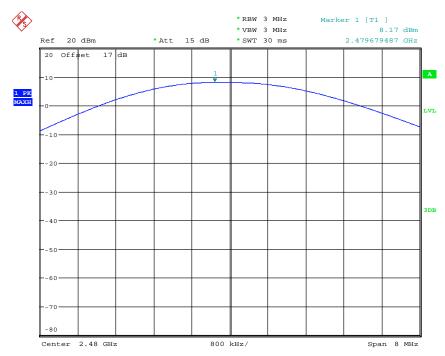


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MAX OUTPUT POWER CH39
Date: 7.FEB.2018 14:01:20



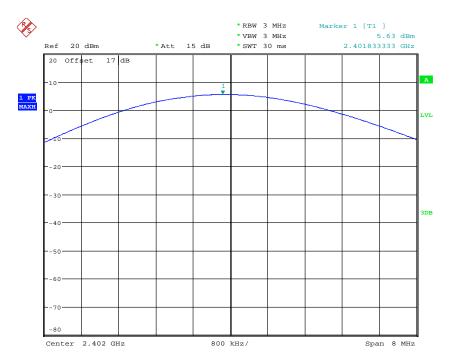
MAX OUTPUT POWER CH78
Date: 7.FEB.2018 14:02:48



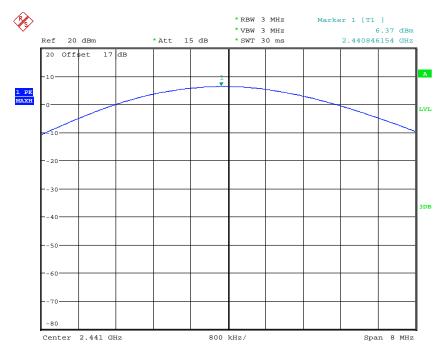
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EDR mode



MAX OUTPUT POWER CH0 EDR MODE Date: 7.FEB.2018 14:10:32

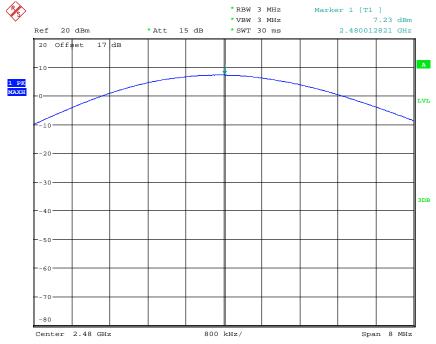


MAX OUTPUT POWER CH39 EDR MODE Date: 7.FEB.2018 14:12:44



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



MAX OUTPUT POWER CH78 EDR MODE Date: 7.FEB.2018 14:13:24

## **Maximum Peak Output Power**

Limits:

Frequency	Number of hopping channels							
MHz	≥ 75	≥ 50	49 ≥ 25	74 ≥ 15				
902-928		30 dBm	24 dBm					
2400-2483.5 MHz	30 dBm			21 dBm				
5725-5850 MHz	30 dBm							

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

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

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

### 3.2 RF Exposure Compliance Requirements (For FCC)

FCC Rule: 15.247(b)(3)

Test exclusion = max. conducted output power

Test exclusion = 8.17 dBm

**RESULT:** 

Test standard : FCC KDB Publication

447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:

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

The enclosure of the device provides  $\geq 0.5$  cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band:2400-2483.5 MHz

Maximum Power fed to Antenna: 6.5615 mW

Separation distances: Radiator to user: > 5 mm

Distance prescribed in user manual: > 5 mm

N	ИНz		5		10	)		15		20		25			mm	
24	450		10		19	9		29		38		48		Exe	R Test clusion old (m'	W)
N	ſНz		30		3:	5		40		45		50		mm		
24	450		57		6′	7		77			86 96			SAR Test Exclusion Threshold (mW)		
MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	mW

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

## RF Exposure Compliance Requirements (For IC)

Test exclusion = max. conducted output power + adjusted for tune-up tolerance Test exclusion = 8.17 dBm + 0.06 dBi (Claimed by the applicant) = 8.23 dBm

#### **RESULT:**

Test standard : RSS-247

#### According to Notice 2016-DRS0001

### 2.5.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 1 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1.

		Exen	nption Limits (	mW)	
Fragueney	At	At	At	At	At
Frequency (MHz)	separation	separation	separation	separation	separation
(IVIIIZ)	distance of	distance of	distance of	distance of	distance of
	≤5 mm	10 mm	15 mm	20 mm	25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
698	29.45 mW	44.23 mW	58.37 mW	73.15 mW	86.93 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
2457	3.99 mW	6.99 mW	15.01 mW	30.01 mW	52.02 mW
2480	3.94 mW	6.97 mW	15.03 mW	30.06 mW	52.09 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW

Frequency Band:2400-2483.5 MHz

Maximum Power fed to Antenna: 6.6527 mW

This product does not need to do SAR test because e.i.r.p. is smaller than 6.97 mW.

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### 3.3 Out of Band Radiated Emissions

FCC Rule: 15.247(c), 15.35

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

For frequencies below 1GHz:

Max. reading – 20 dB

Guidance on Measurement of FHSS Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation." Here the correction was added to the limit instead subtracted from the reading.

Duty Cycle correction = 20 log (dwell time/100ms)
For frequencies above 1GHz (Peak measurements).
Limit = max. aver. reading-20dB +20dB(because Peak detector is used)

For frequencies above 1GHz (Average measurements).

Max. reading – 20 dB - duty cycle correction:

No duty cycle correction was added to the reading

Test equipment used: ETSTW-RE 004, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 030, ETSTW-RE 064

Explanation: See attached diagrams in appendix.

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### 3.4 Transmitter Radiated Emissions in restricted Bands

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

Radiated emission measurements were performed from 30 MHz to 26000 MHz.

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

**RES BW VID BW** 

Frequency <1 GHz 100 kHz 100 kHz (Peak measurements) Frequency >1 GHz 1 MHz 1 MHz (Peak measurements)

1 MHz 1 MHz (Average measurements)

Limits:

For frequencies below 1GHz:

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

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of FHSS Systems:

"If the emission is pulsed, modify the unit for continues operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation." Here the correction was added to the limit instead subtracted from the reading.

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

For frequencies above 1GHz (Average measurements).

Limit – duty cycle correction

No duty cycle correction was added to the reading.

 $54.0dB\mu V/m$ 

For frequencies above 1GHz (Peak measurements).

Limit + 20dB

 $54.0 dB \mu V/m + 20 dB = 74 dB \mu V/m$ 

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 064

Explanation: See attached diagrams in appendix.



FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### 3.5 Spurious emissions (tx)

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

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

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

Calculation of test results:

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

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

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

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the "Duty-Cycle Correction Factor".

#### Summary table with radiated data of the test plots

Model: MC1-BT 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		ding uV)	Factor (dB)		esult ıV/m)	(dBu	mit V/m) eak	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	A	ve.	(dB)	(Deg.)	(cm)
										-
							-			



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

Polarization: Vertical

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

Frequency		ding	Factor		sult	(dBu	mit V/m)	Margin		Ant.
	(dB	uV)	(dB)	(dBi	ıV/m)	P	eak		Degree	High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	A	ve.	(dB)	(Deg.)	(cm)
									-	
		1							1	
		1							1	

#### Note

- 1. Correction Factor = Antenna factor + Cable loss Preamplifier
- 2. The formula of measured value as: Test Result = Reading + Correction Factor
- 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. Measurement uncertainty above 1GHz:  $30-1000 \text{ MHz} = \pm 3.57 \text{ dB}$ ,  $1-18 \text{ GHz} = \pm 2.60 \text{ dB}$ ,  $18-40 \text{ GHz} = \pm 2.58 \text{ dB}$ ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
- 6. See attached diagrams in appendix.

All other not noted test plots do not contain significant test results in relation to the limits.

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

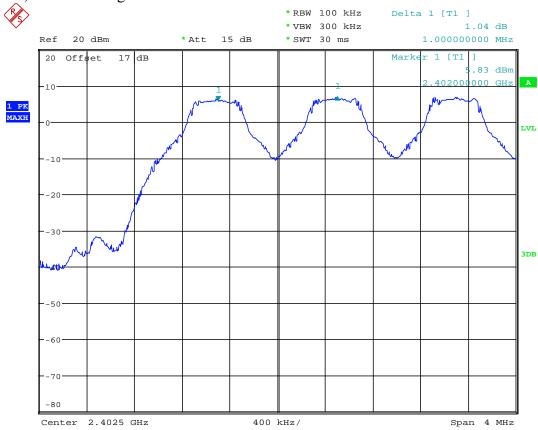
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 064, ETSTW-RE 088, ETSTW-RE 018

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

## 3.6 Carrier Frequency Separation

Carrier Frequency Separation was measured with modulation (declared by manufacturer).

According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.



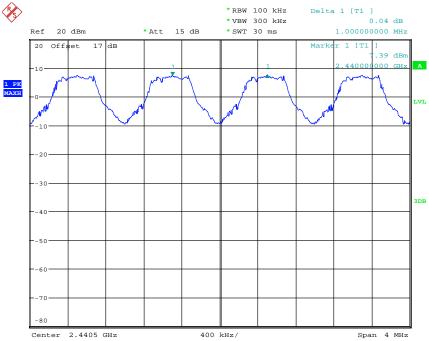
FREQUENCY SEPARATION CH0

Date: 7.FEB.2018 14:23:12

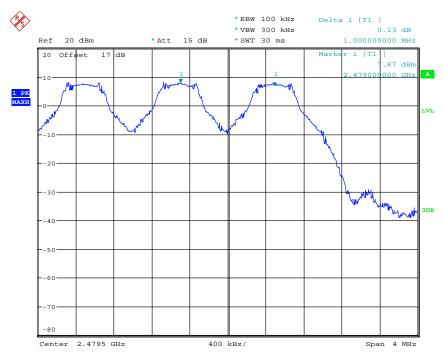


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



FREQUENCY SEPARATION CH39
Date: 7.FEB.2018 14:23:56



FREQUENCY SEPARATION CH78

Date: 7.FEB.2018 14:24:44



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

### Limits:

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

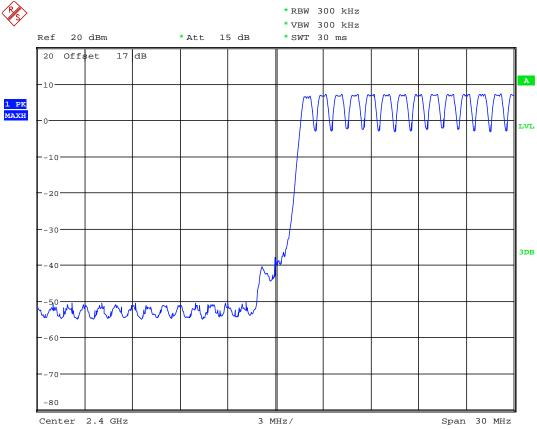
Test equipment used: ETSTW-RE 055, ETSTW-RE 064

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

## 3.7 Number of Hopping Frequencies

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

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

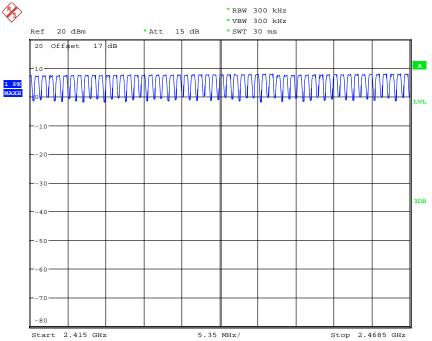


NUMBER OF HOPPING CH0-13
Date: 7.FEB.2018 14:30:30

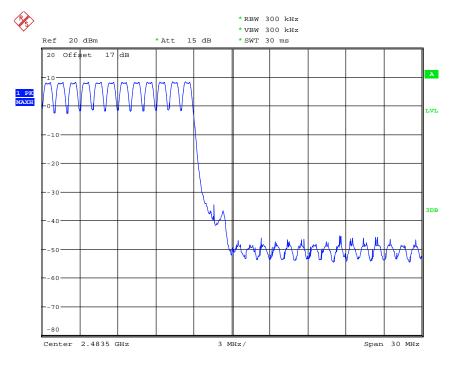


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



NUMBER OF HOPPING CH14-66
Date: 7.FEB.2018 14:22:20



NUMBER OF HOPPING CH67-78
Date: 7.FEB.2018 14:21:12



FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### Limits:

Frequency Range	Limit	
MHz	20dB Bandwidth	Number of Channels
002 020 MH	Bandwidth < 250 kHz	≥ 50
902-928 MHz	Bandwidth ≥ 250 kHz	≥ 25
2400-2483.5	not defined	15
5725-5850.0 MHz	1 MHz	75

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

### 3.7.1 Pseudorandom Frequency Hopping Sequence

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

### 3.7.2 Coordination of hopping sequences to other transmitters

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

### 3.7.3 System Receiver Hopping Capability

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

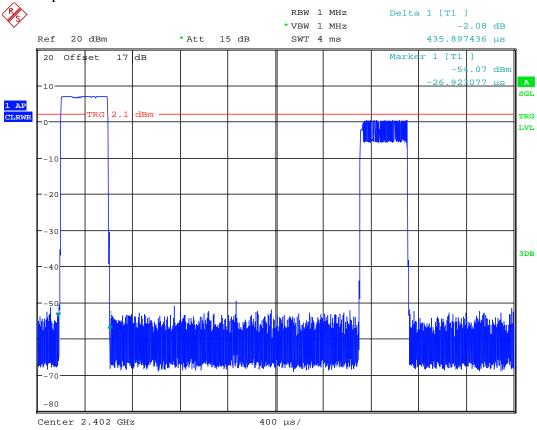
FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

## 3.8 Time of Occupancy (Dwell Time)

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

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

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

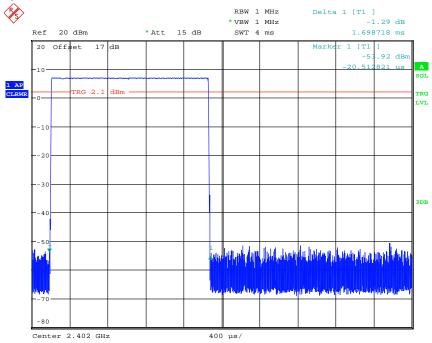


DWELL TIME CHO DH1 ( 0.436ms \* 320events = 139.52ms )
Date: 7.FEB.2018 14:55:29

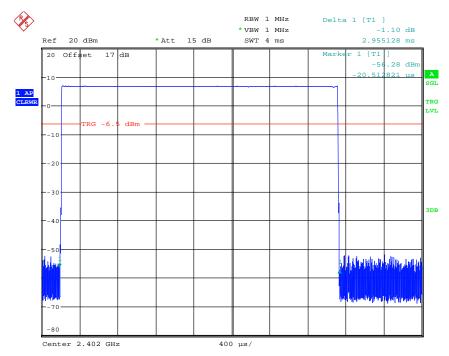


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



DWELL TIME CH0 DH3 ( 1.698ms \* 160events = 271.68ms ) Date: 7.FEB.2018 14:44:09

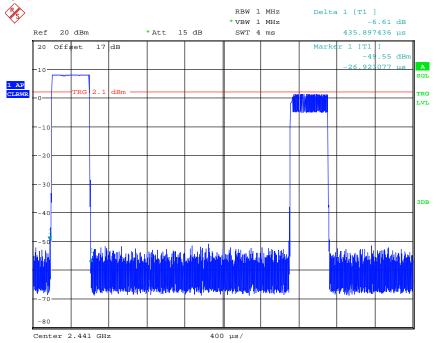


DWELL TIME CH0 DH5 ( 2.955 ms \* 106 events = 313.23 ms ) Date: 7.FEB.2018  $14 \colon 39 \colon 43$ 

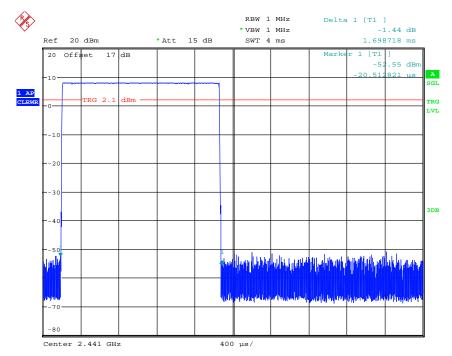


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



DWELL TIME CH39 DH1 (  $0.436 \, \mathrm{ms} \ \star \ 320 \, \mathrm{events} = 139.52 \, \mathrm{ms}$  ) Date: 7.FEB.2018 14:55:58

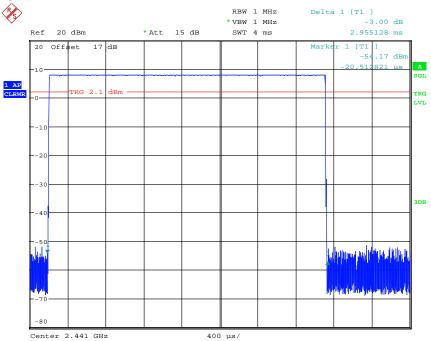


DWELL TIME CH39 DH3 ( 1.698 ms \* 160 events = 271.68 ms ) Date: 7.FEB.2018 14:43:45

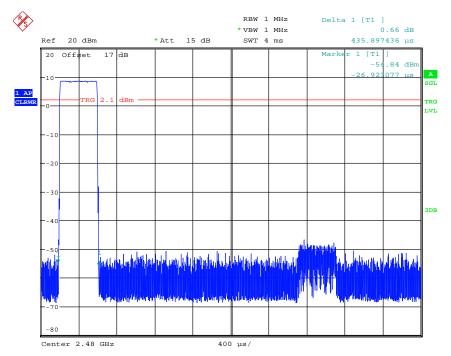


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



DWELL TIME CH39 DH5 ( 2.955ms \* 106events = 313.23ms ) Date: 7.FEB.2018 14:41:23

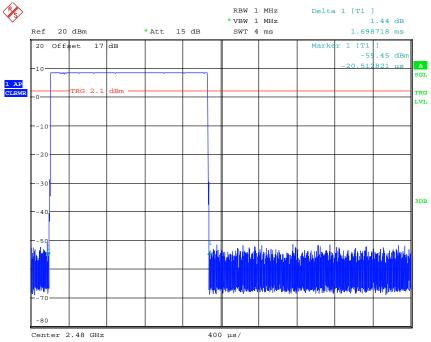


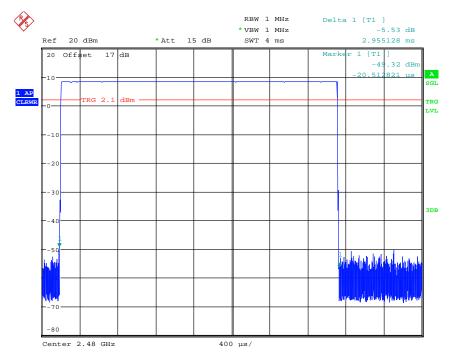
DWELL TIME CH78 DH1 ( 0.436ms \* 320events = 139.52ms )
Date: 7.FEB.2018 14:56:20



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2





DWELL TIME CH78 DH5 ( 2.955ms \* 106events = 313.23ms )
Date: 7.FEB.2018 14:41:44



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

## Limits and measurement periods:

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

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

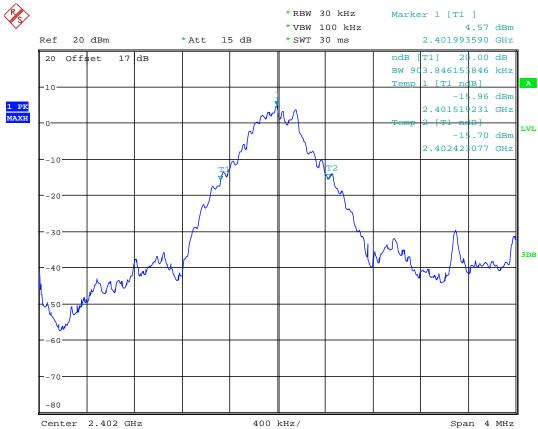
FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2 **3.9 20dB Bandwidth** 

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

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

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

#### Normal mode



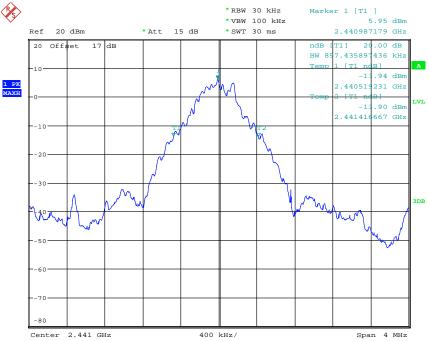
20DB BANDWIDTH CH0

Date: 7.FEB.2018 13:58:43

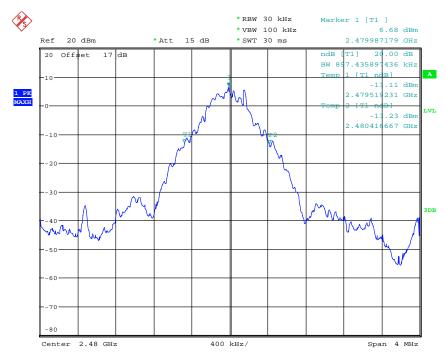


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



20DB BANDWIDTH CH39
Date: 7.FEB.2018 14:01:27



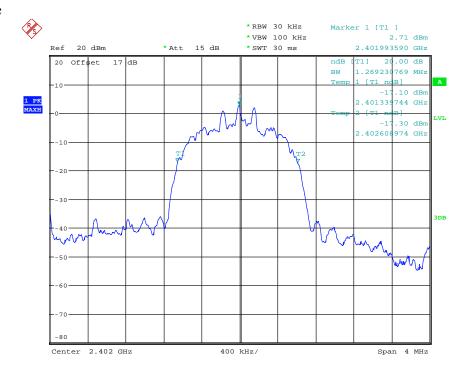
20DB BANDWIDTH CH78
Date: 7.FEB.2018 14:02:55



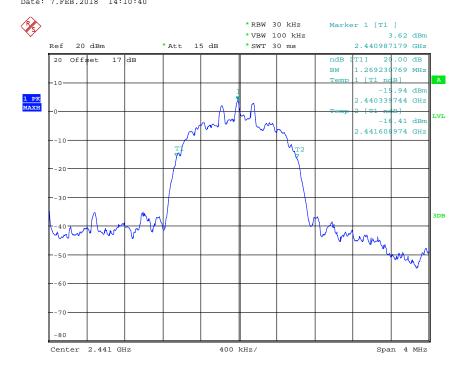
Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

EDR mode



20DB BANDWIDTH CHO EDR MODE Date: 7.FEB.2018 14:10:40

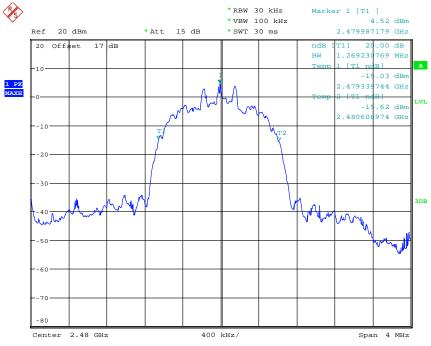


20DB BANDWIDTH CH39 EDR MODE Date: 7.FEB.2018 14:12:52



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



20DB BANDWIDTH CH78 EDR MODE Date: 7.FEB.2018 14:13:32

#### **Limits:**

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

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

### 3.8.1 System Receiver Input Bandwidth

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

Registration number: W6M21801-17819-C-1

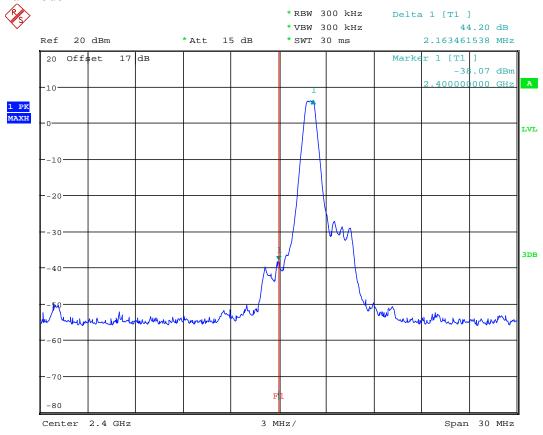
FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

### 3.10 Band-edge Compliance of RF Emissions

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

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

#### Normal mode



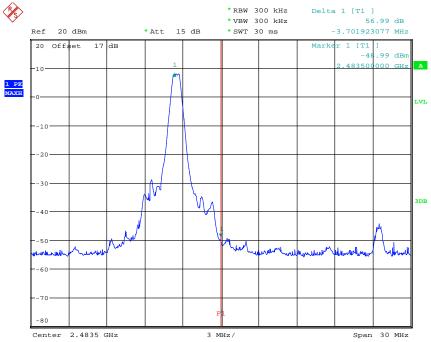
BANDEDGE CH0

Date: 7.FEB.2018 13:58:55

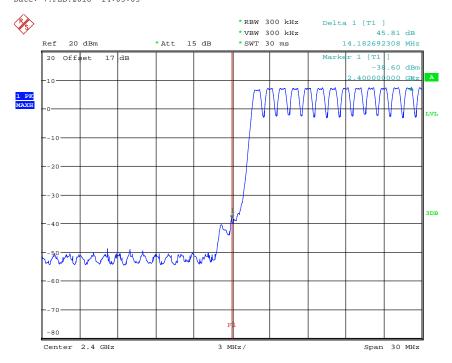


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2





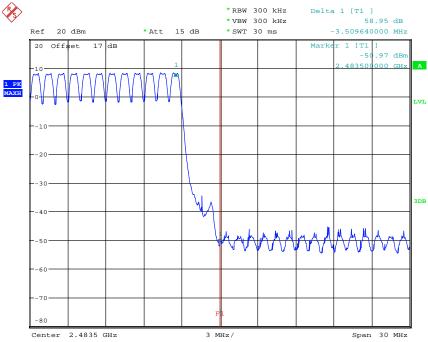


BANDEDGE CH0 HOPPING MODE
Date: 7.FEB.2018 14:31:51



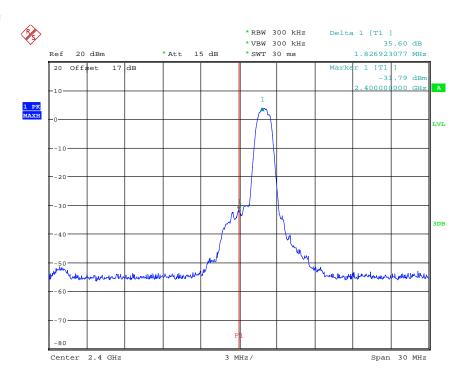
Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



BANDEDGE CH78 HOPPING MODE Date: 7.FEB.2018 14:21:12

#### EDR mode

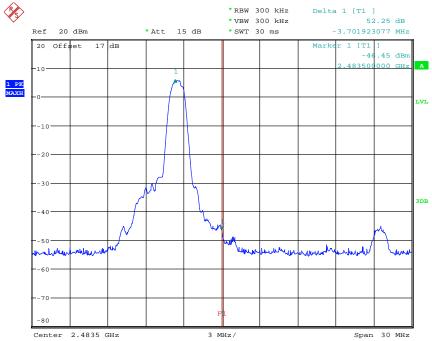


BANDEDGE CH0 EDR MODE
Date: 7.FEB.2018 14:10:48

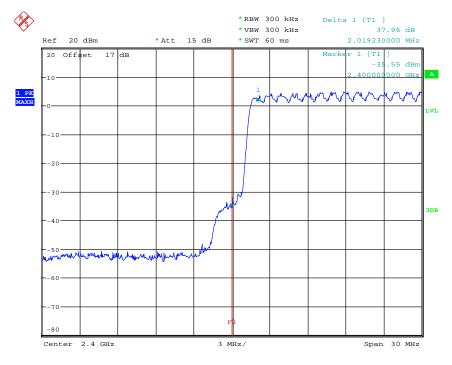


Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



BANDEDGE CH78 EDR MODE
Date: 7.FEB.2018 14:13:44

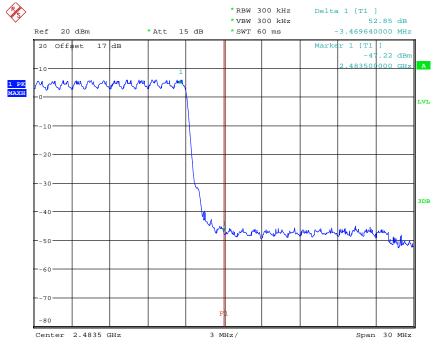


BANDEDGE CH0 EDR HOPPING MODE Date: 7.FEB.2018 14:16:44



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2



BANDEDGE CH78 EDR HOPPING MODE Date: 7.FEB.2018 14:18:28

#### **Limits:**

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

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



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### 3.11 Radiated Emissions from Receiver Part

Model: MC1-BT 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		ding	Factor		esult	(dBu	mit V/m)	Margin	Table	Ant.
	(dB	uV)	(dB)	(dBu	iV/m)	Peak			Degree	High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	A	ve.	(dB)	(Deg.)	(cm)
	1						1		1	

Polarization: Vertifcal

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

Frequency		ding uV)	Factor (dB)		esult ıV/m)	(dBu	mit V/m) eak	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	A	ve.	(dB)	(Deg.)	(cm)
						1	1			1
						-				
						1	1			1

Note

- 1. Correction Factor = Antenna factor + Cable loss Preamplifier
- 2. The formula of measured value as: Test Result = Reading + Correction Factor
- 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. Measurement uncertainty above 1GHz: 30-1000 MHz =  $\pm 3.57$  dB, 1-18 GHz =  $\pm 2.60$  dB, 18-40 GHz =  $\pm 2.58$  dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
- 6. See attached diagrams in appendix.



Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

#### 3.12 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:	MC1-BT	Date	<b>:</b>					
Mode:		Tem	perature:		°C	Eng	gineer:	
Polarization:		Hu	imidity:		%			
Frequency	Rea	ding	Factor	Re	sult	Liı	nit	Margin
	(dB	uV)	(dB)	(dB	uV)	(dB	uV)	
(MHz)	QP	Ave.	Corr.	QP	Ave.	QP	Ave.	(dB)
							-	

Polarization: --

Frequency		ding uV)	Factor (dB)		sult uV)	Liı (dB	nit uV)	Margin
(MHz)	QP	Ave.	Corr.	QP	Ave.	QP	Ave.	(dB)

#### 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			

Note: 1.The formula of measured value as: Test Result = Reading + Correction Factor

- 2.The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
- 3.Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4.All not in the table noted test results are more than 20 dB below the relevant limits.
- 5.Measurement uncertainty =  $\pm 1.54$  dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
- 6.Up Line: QP Limit Line, Down Line: Ave Limit Line.
- 7. This test is not required because the EUT uses battery.

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

Registration number: W6M21801-17819-C-1

FCC ID: 2AEABMC1V2 IC: 12773A-MC1V2

### **Appendix**

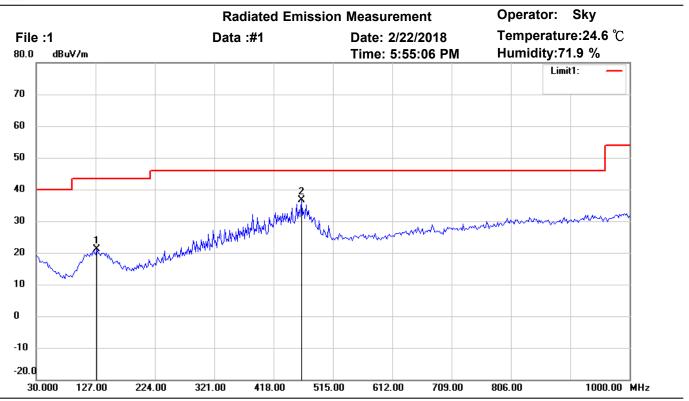
### **Measurement diagrams**

Spurious Emissions radiated





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Site: Chamber

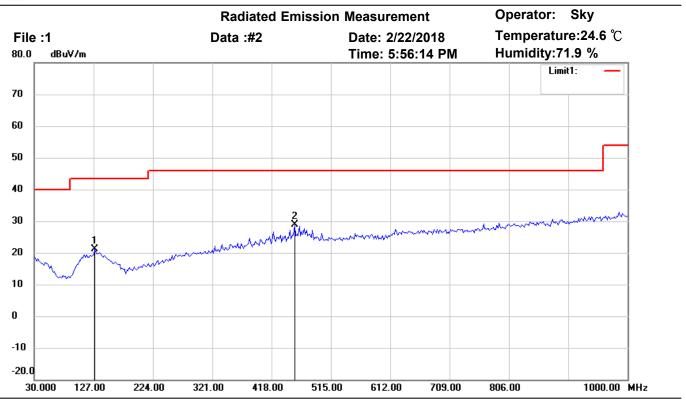
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

Test Mode: TX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1382	27.73	peak	-6.67	21.06	43.50	100	70	-22.44	
*	463.4870	39.74	peak	-3.07	36.67	46.00	100	210	-9.33	



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Site: Chamber

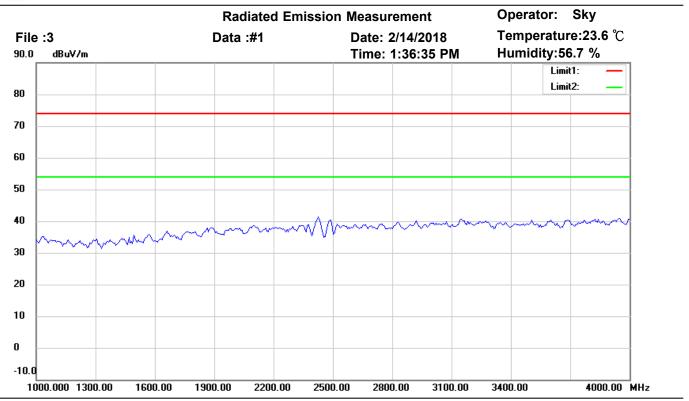
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

Test Mode: TX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1383	27.72	peak	-6.67	21.05	43.50	100	210	-22.45	
*	455.7114	32.08	peak	-3.14	28.94	46.00	100	60	-17.06	



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Site: Chamber

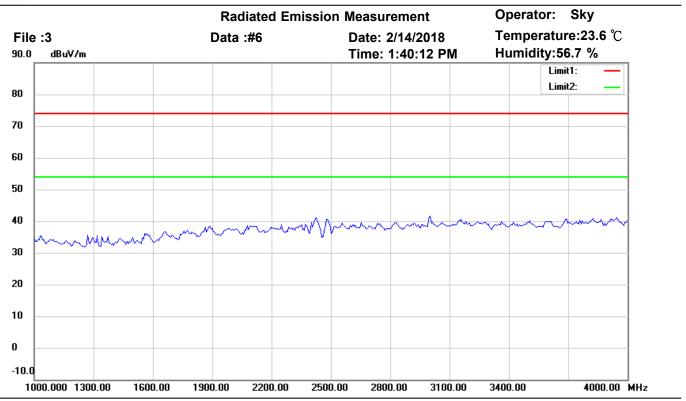
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2402MHz

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



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Site: Chamber

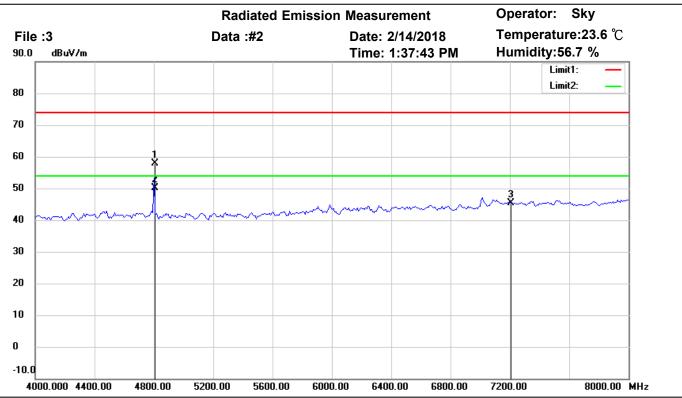
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2402MHz

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



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Site: Chamber

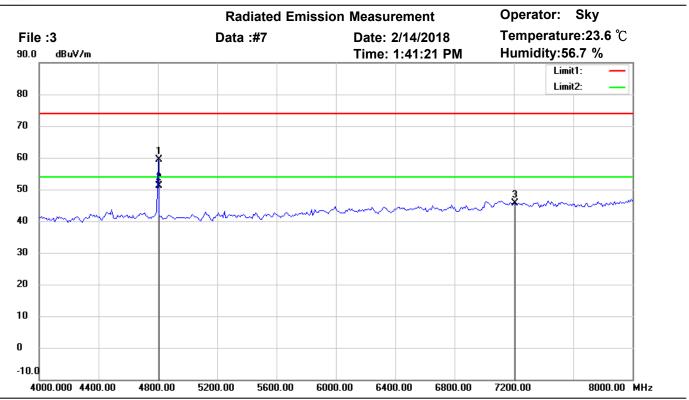
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4803.632	57.74	peak	0.08	57.82	74.00	150	185	-16.18	
*	4803.632	49.97	AVG	0.08	50.05	54.00	150	185	-3.95	
	7206.000	40.43	peak	5.06	45.49	74.00	150	145	-28.51	



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Site: Chamber

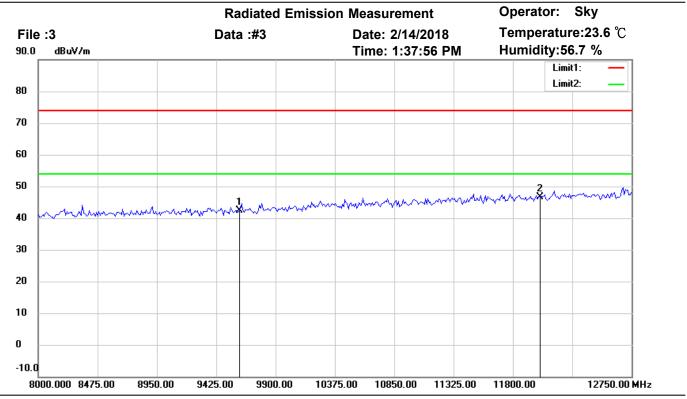
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4803.632	59.19	peak	0.08	59.27	74.00	160	174	-14.73	
*	4803.632	51.17	AVG	0.08	51.25	54.00	160	174	-2.75	
	7206.000	40.65	peak	5.06	45.71	74.00	150	10	-28.29	



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Site: Chamber

Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

EUT: W6M21801-17819 Power: 3.7 Vd.c.

Test Mode: TX 2402MHz

Note:

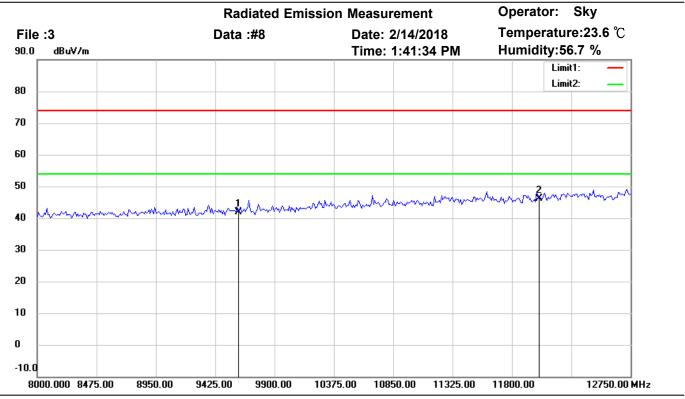
M/N:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.40	peak	7.96	42.36	74.00	150	95	-31.64	
*	12010.000	33.70	peak	12.90	46.60	74.00	150	245	-27.40	

Distance: 3m



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Site: Chamber

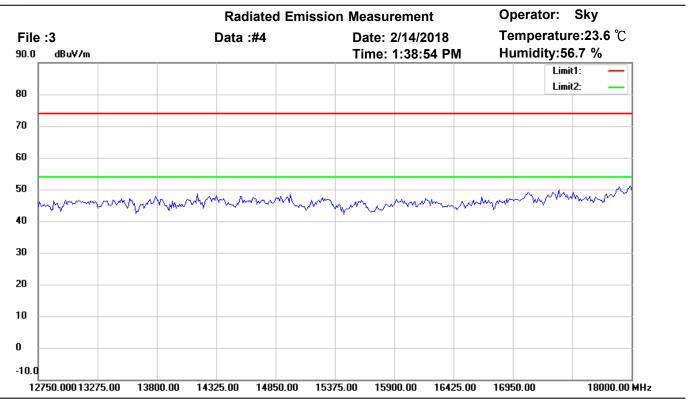
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	33.87	peak	7.96	41.83	74.00	150	95	-32.17	
*	12010.000	33.21	peak	12.90	46.11	74.00	150	120	-27.89	



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Site: Chamber

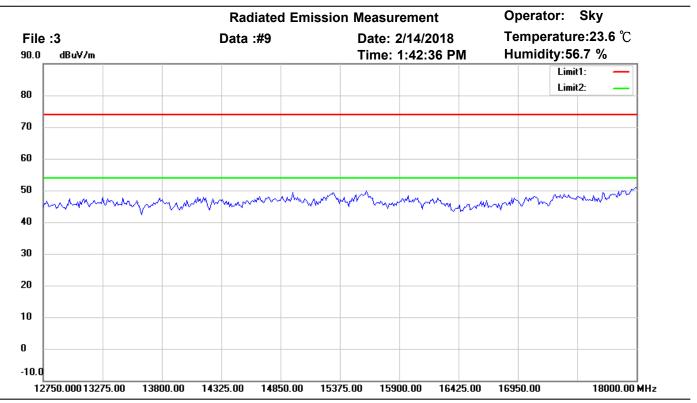
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2402MHz

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



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Site: Chamber

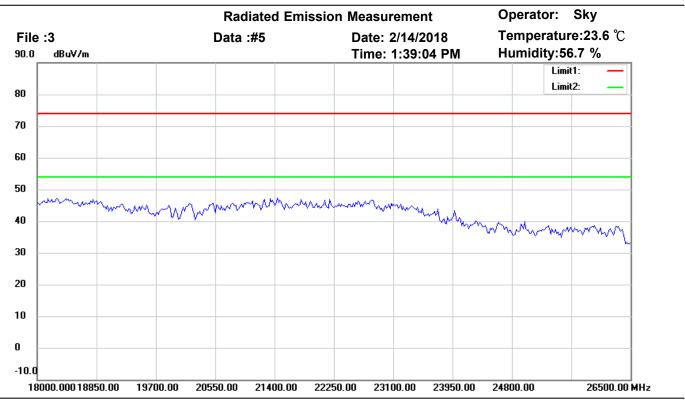
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2402MHz

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



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Site: Chamber

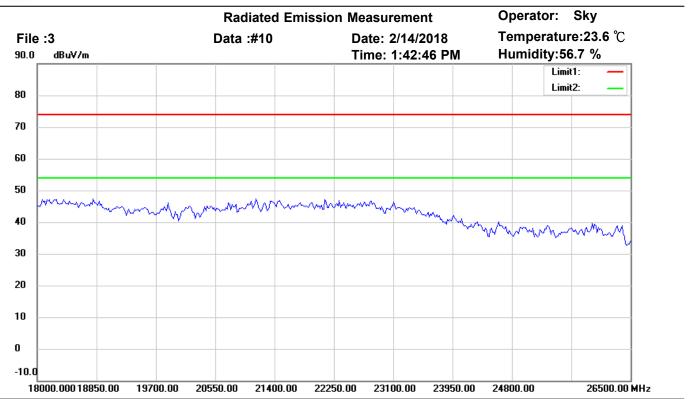
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2402MHz

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



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Site: Chamber

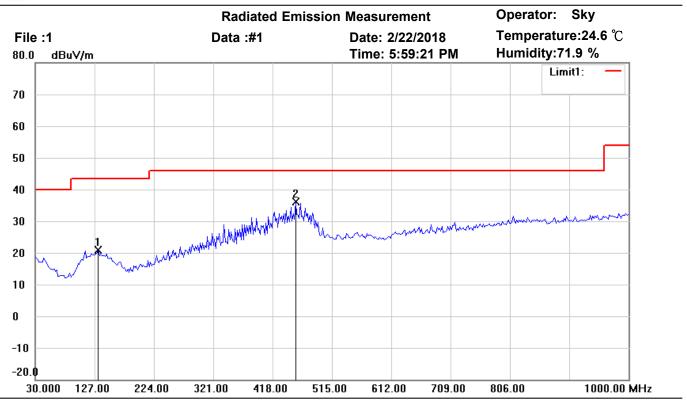
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2402MHz

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



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Site: Chamber

Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

EUT: W6M21801-17819 Power: 3.7 Vd.c.

Test Mode: TX 2441MHz

Note:

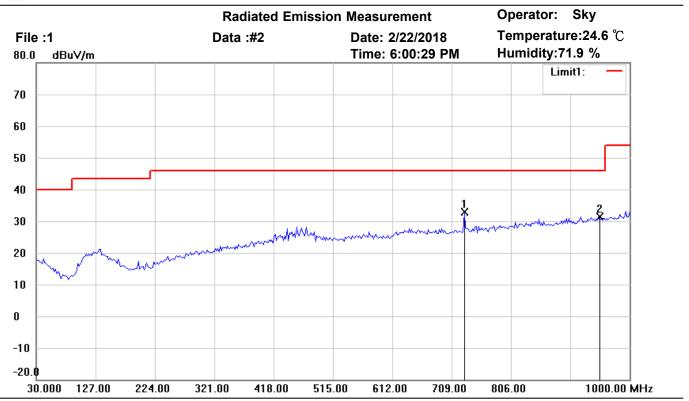
M/N:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	133.0261	27.47	peak	-6.71	20.76	43.50	100	210	-22.74	
*	455.7114	39.30	peak	-3.14	36.16	46.00	100	95	-9.84	

Distance: 3m



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Site: Chamber

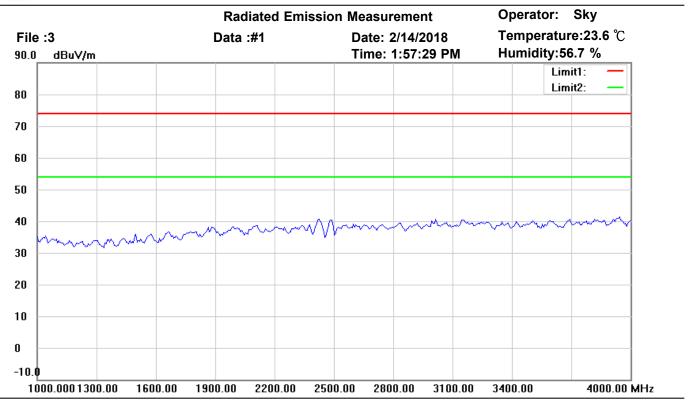
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

Test Mode: TX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	729.7996	32.59	peak	0.18	32.77	46.00	100	95	-13.23	
	949.4590	26.84	peak	4.58	31.42	46.00	100	170	-14.58	



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Site: Chamber

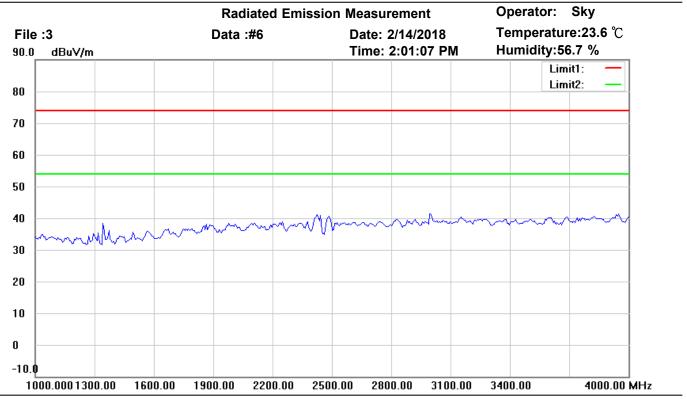
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2441MHz

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



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Site: Chamber

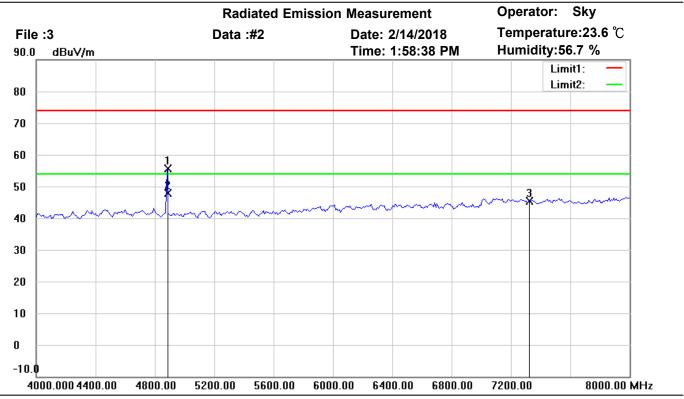
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2441MHz

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



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Site: Chamber

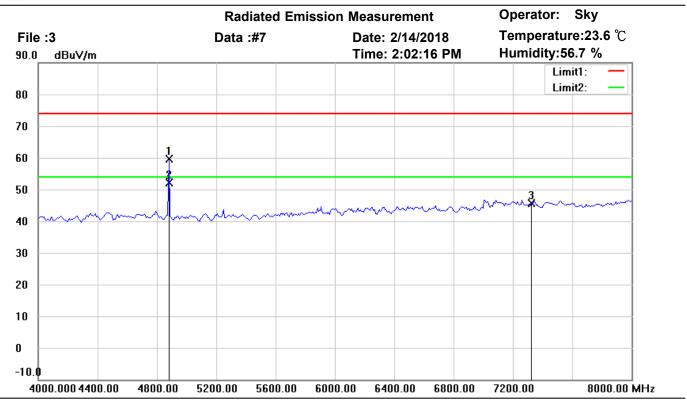
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4881.764	55.58	peak	0.17	55.75	74.00	150	220	-18.25	
*	4881.764	47.81	AVG	0.17	47.98	54.00	150	220	-6.02	
	7323.000	40.32	peak	5.11	45.43	74.00	150	40	-28.57	



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Site: Chamber

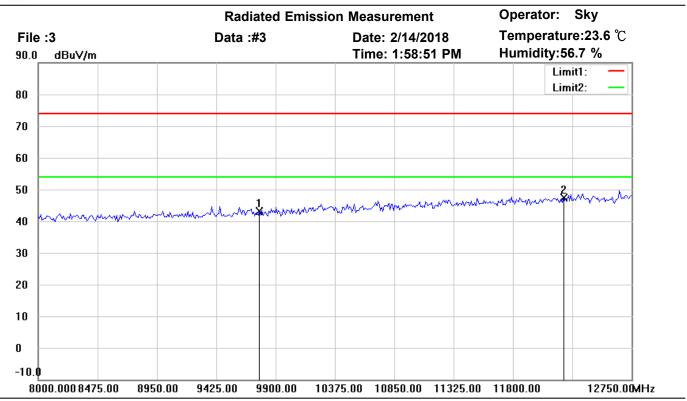
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4881.604	59.41	peak	0.17	59.58	74.00	150	175	-14.42	
*	4881.604	51.89	AVG	0.17	52.06	54.00	150	175	-1.94	
	7323.000	40.58	peak	5.11	45.69	74.00	150	45	-28.31	



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Site: Chamber

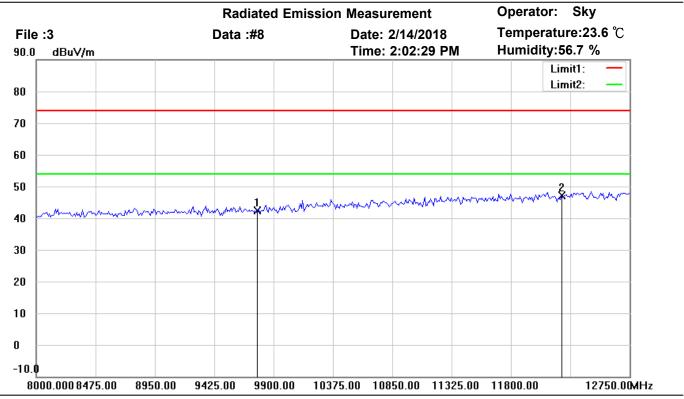
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.84	peak	8.22	43.06	74.00	150	75	-30.94	
*	12205.000	33.35	peak	14.08	47.43	74.00	150	205	-26.57	



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Site: Chamber

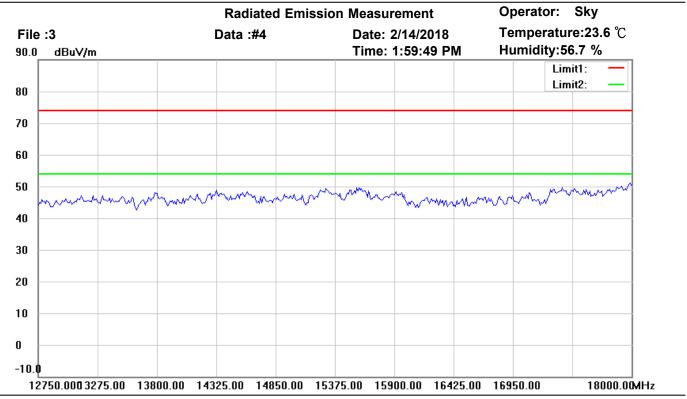
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.11	peak	8.22	42.33	74.00	150	75	-31.67	
*	12205.000	32.99	peak	14.08	47.07	74.00	150	160	-26.93	



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Site: Chamber

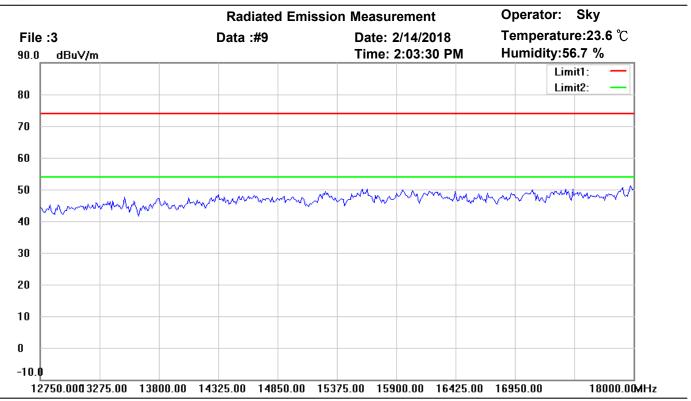
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2441MHz

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



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Site: Chamber

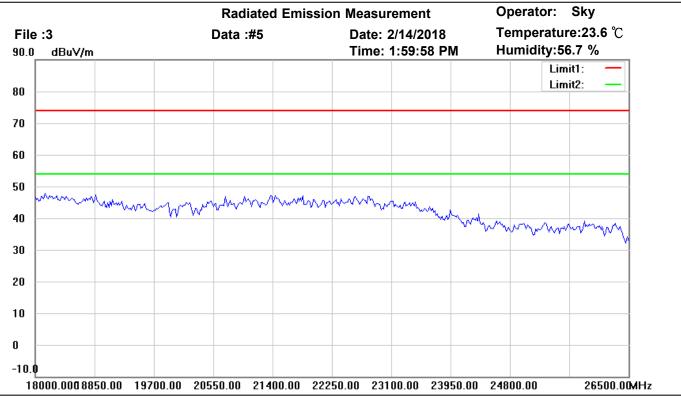
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2441MHz

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



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Site: Chamber

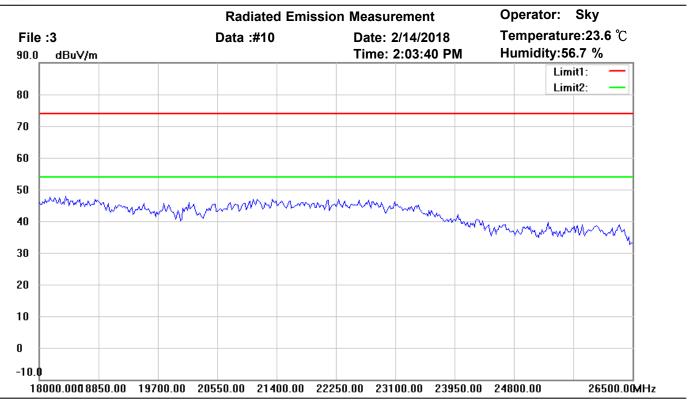
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2441MHz

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



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Site: Chamber

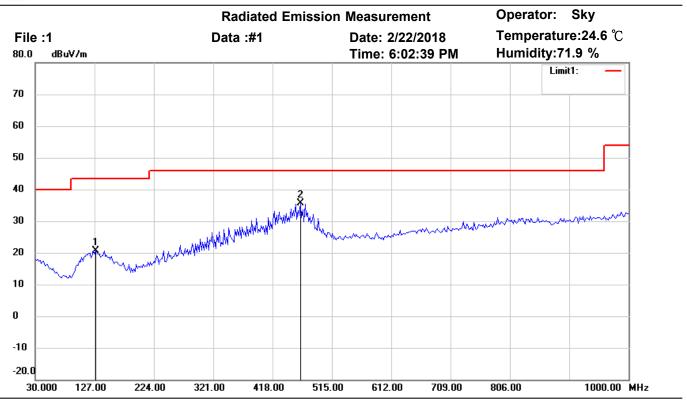
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2441MHz

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



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Site: Chamber

Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

EUT: W6M21801-17819 Power: 3.7 Vd.c.

Test Mode: TX 2480MHz

Note:

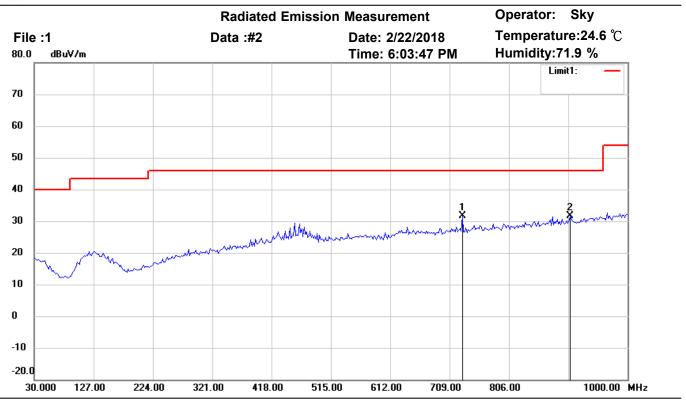
M/N:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1382	27.34	peak	-6.67	20.67	43.50	100	170	-22.83	
*	463.4870	38.60	peak	-3.07	35.53	46.00	100	165	-10.47	

Distance: 3m



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Site: Chamber

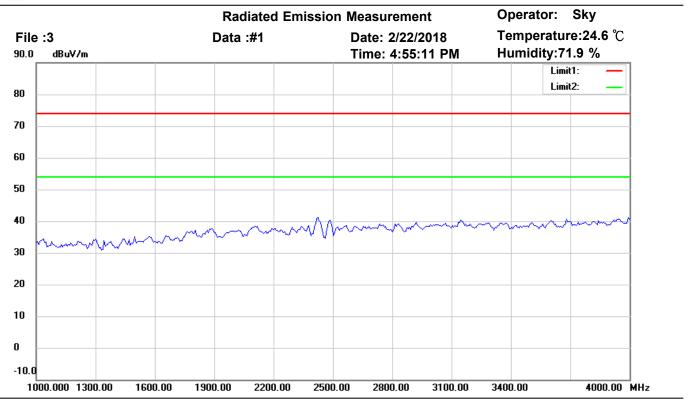
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

Test Mode: TX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	729.7996	31.45	peak	0.18	31.63	46.00	100	95	-14.37	
	906.6934	28.11	peak	3.40	31.51	46.00	100	210	-14.49	



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Site: Chamber

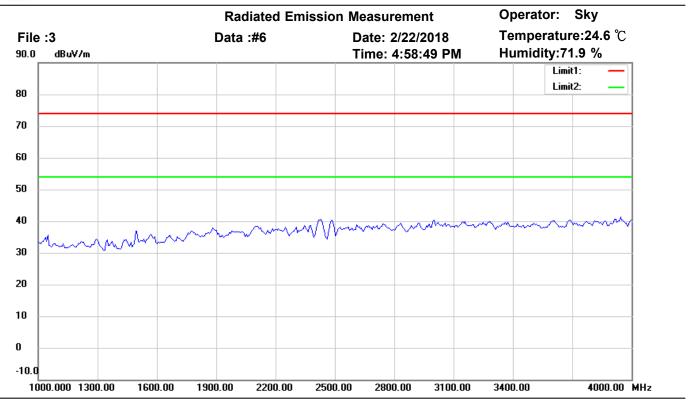
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2480MHz

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



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Site: Chamber

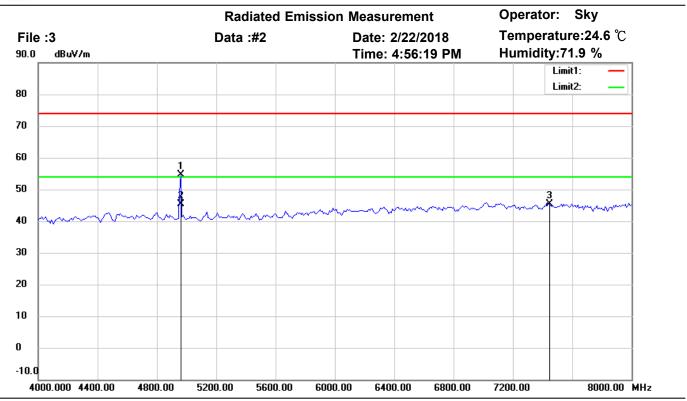
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2480MHz

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



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Site: Chamber

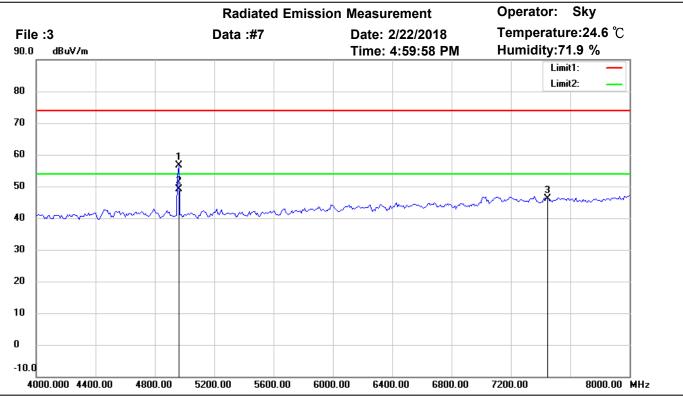
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4959.504	54.47	peak	0.21	54.68	74.00	150	275	-19.32	
*	4959.504	45.14	AVG	0.21	45.35	54.00	150	275	-8.65	
	7440.000	40.18	peak	5.18	45.36	74.00	150	210	-28.64	



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Site: Chamber

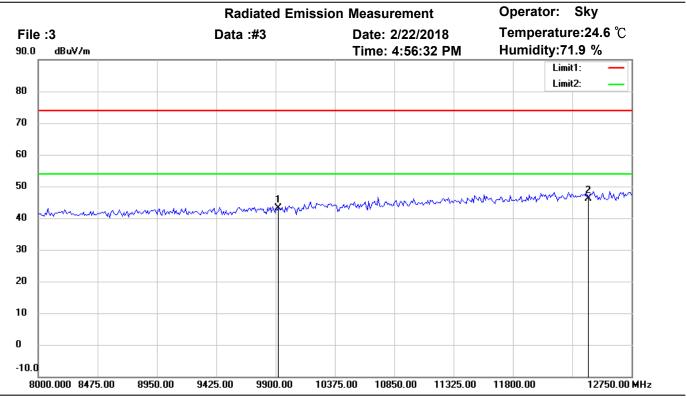
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4959.674	56.49	peak	0.21	56.70	74.00	150	164	-17.30	
*	4959.674	48.89	AVG	0.21	49.10	54.00	150	164	-4.90	
	7440.000	41.04	peak	5.18	46.22	74.00	150	90	-27.78	



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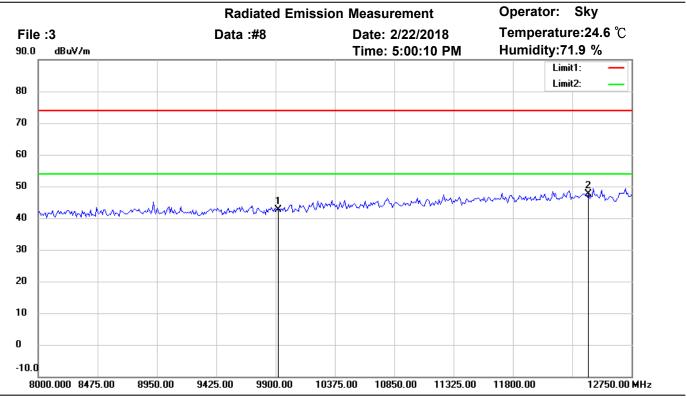
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	34.52	peak	8.55	43.07	74.00	150	95	-30.93	
*	12400.000	31.72	peak	14.41	46.13	74.00	150	10	-27.87	



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Site: Chamber

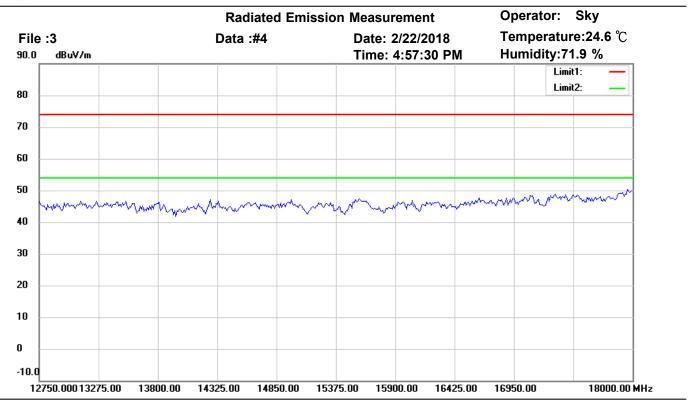
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	34.09	peak	8.55	42.64	74.00	150	200	-31.36	
*	12400.000	33.32	peak	14.41	47.73	74.00	150	115	-26.27	



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Site: Chamber

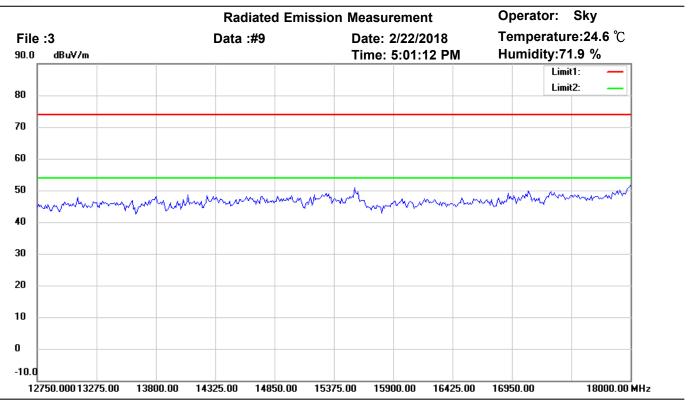
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Test Mode: TX 2480MHz

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



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Site: Chamber

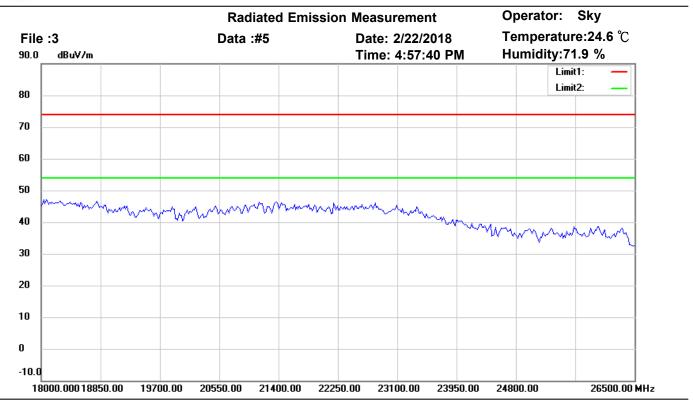
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2480MHz

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



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Site: Chamber

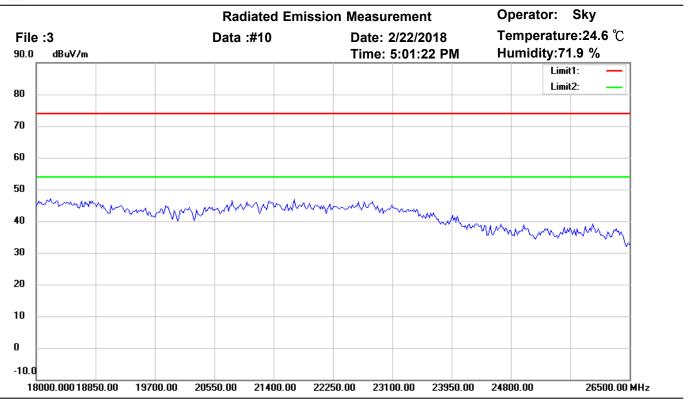
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2480MHz

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



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Site: Chamber

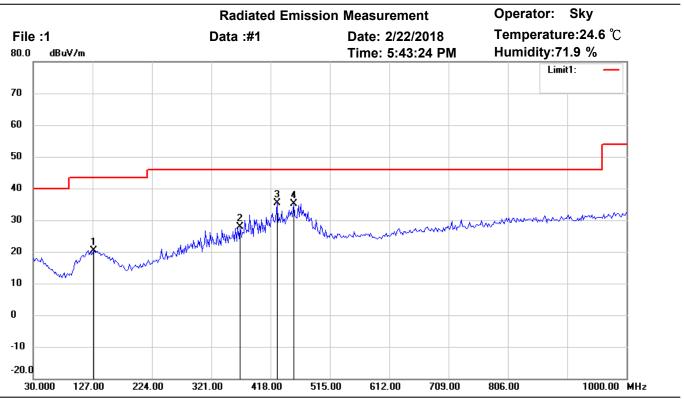
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

Test Mode: TX 2480MHz

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



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Site: Chamber

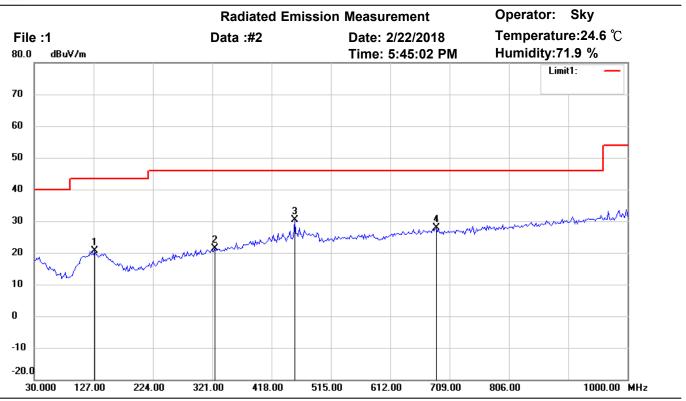
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

Test Mode: RX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1383	27.05	peak	-6.67	20.38	43.50	100	75	-23.12	
	368.2364	32.20	peak	-4.27	27.93	46.00	100	45	-18.07	
*	428.4970	38.66	peak	-3.31	35.35	46.00	100	100	-10.65	
	455.7114	38.39	peak	-3.14	35.25	46.00	100	160	-10.75	



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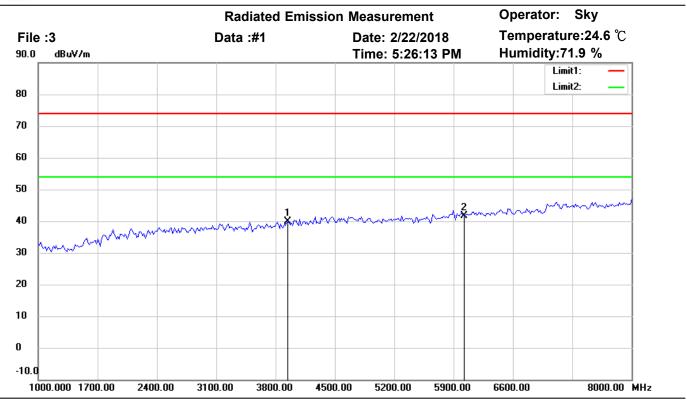
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

Test Mode: RX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1383	27.38	peak	-6.67	20.71	43.50	100	110	-22.79	
	325.4707	26.74	peak	-5.26	21.48	46.00	100	30	-24.52	
*	455.7114	33.55	peak	-3.14	30.41	46.00	100	70	-15.59	
	687.0340	28.16	peak	-0.30	27.86	46.00	100	175	-18.14	



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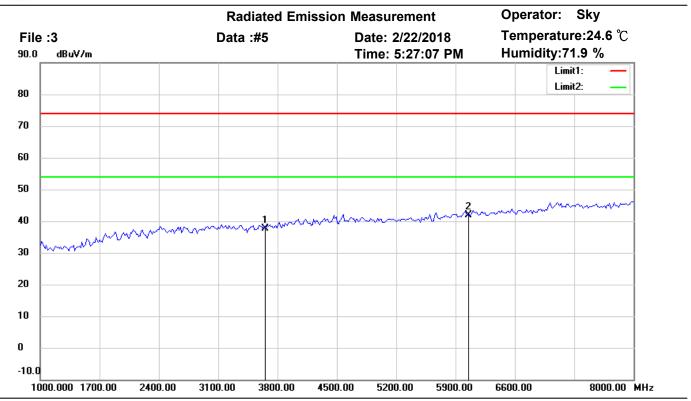
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3931.864	41.02	peak	-1.03	39.99	74.00	150	130	-34.01	
*	6022.044	38.56	peak	3.06	41.62	74.00	150	75	-32.38	



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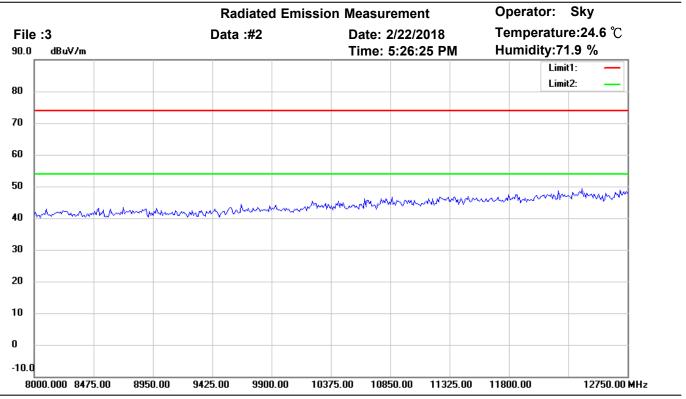
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2402MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3651.302	39.56	peak	-1.87	37.69	74.00	150	115	-36.31	
*	6050.100	38.64	peak	3.15	41.79	74.00	150	40	-32.21	



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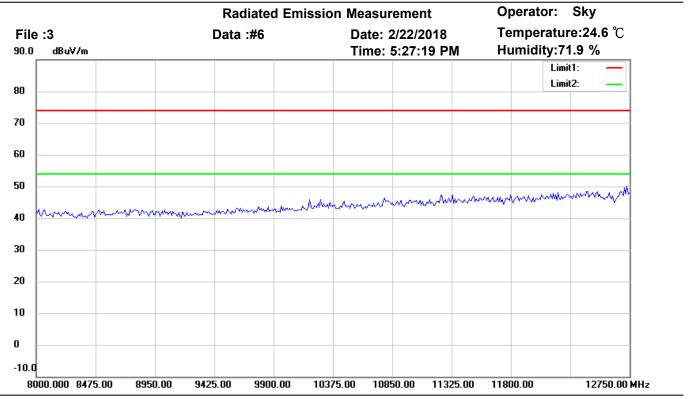
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Test Mode: RX 2402MHz

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



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Site: Chamber

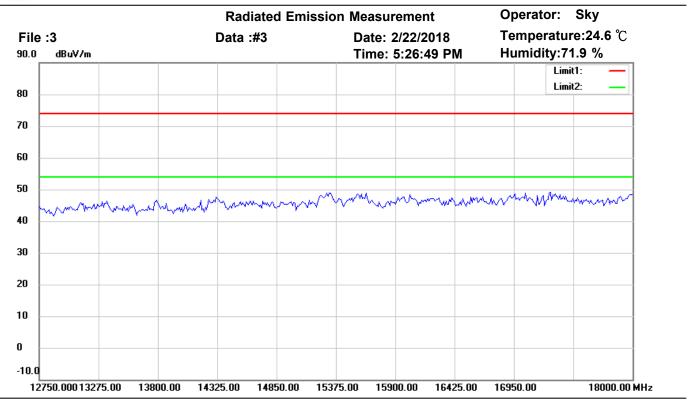
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2402MHz

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



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Site: Chamber

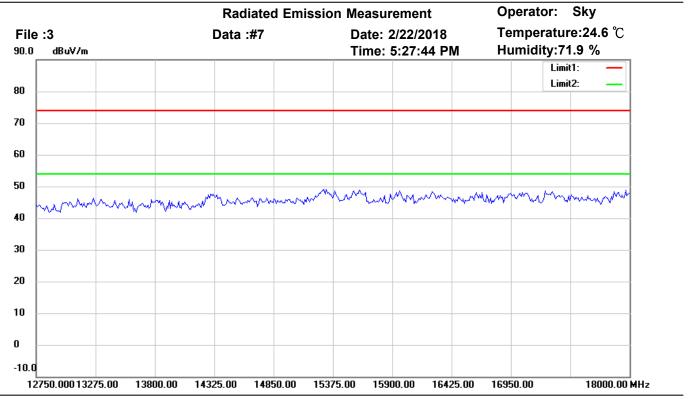
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Test Mode: RX 2402MHz

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



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Site: Chamber

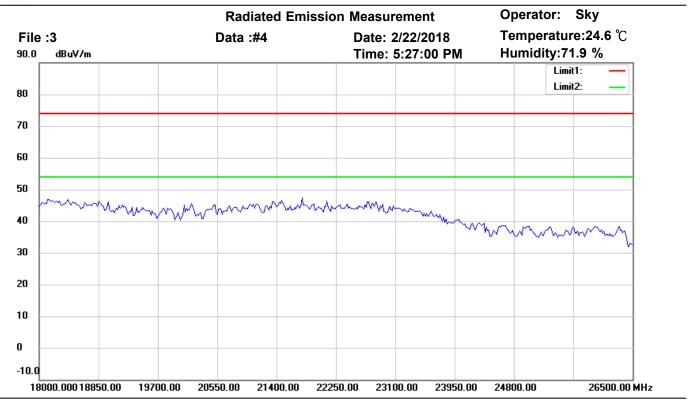
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2402MHz

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



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Site: Chamber

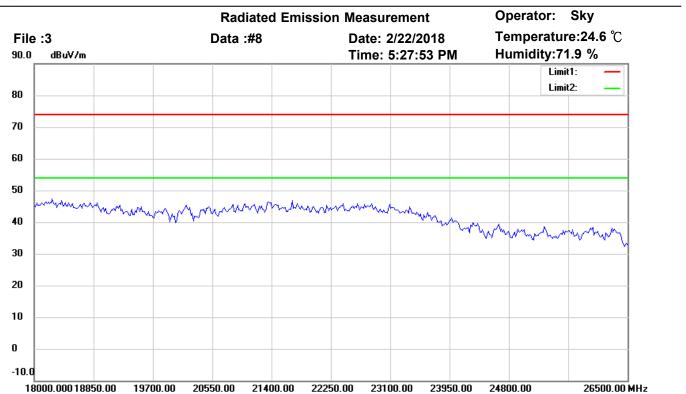
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2402MHz

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



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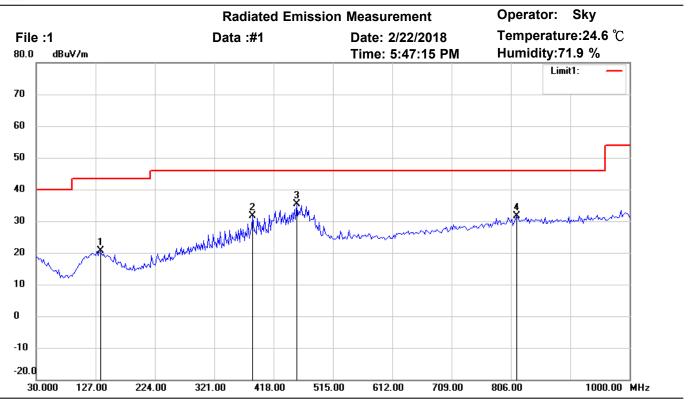
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2402MHz

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



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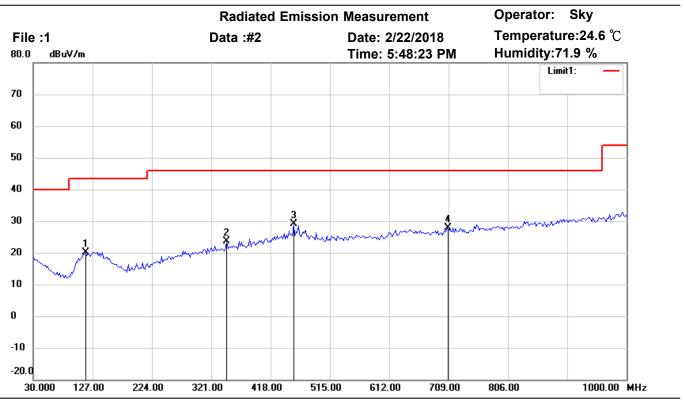
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

Test Mode: RX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9697	27.34	peak	-6.75	20.59	43.50	100	40	-22.91	
	383.7875	35.65	peak	-3.90	31.75	46.00	100	110	-14.25	
*	455.7114	38.55	peak	-3.14	35.41	46.00	100	175	-10.59	
	815.3306	29.88	peak	1.72	31.60	46.00	100	135	-14.40	



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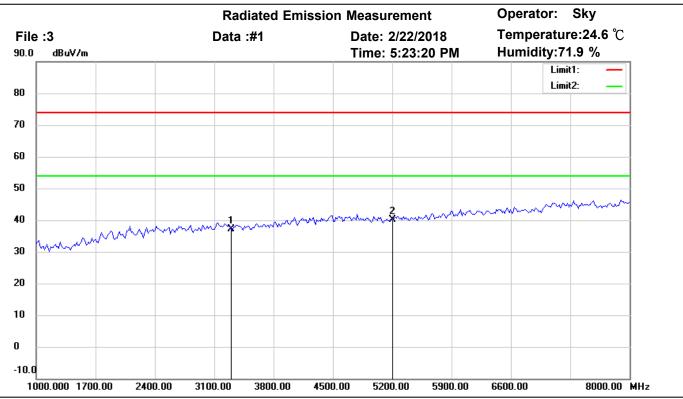
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

Test Mode: RX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	115.5311	27.35	peak	-7.20	20.15	43.50	100	130	-23.35	
	346.8536	28.35	peak	-4.80	23.55	46.00	100	95	-22.45	
*	455.7114	32.20	peak	-3.14	29.06	46.00	100	60	-16.94	
	706.4730	28.10	peak	-0.22	27.88	46.00	100	105	-18.12	



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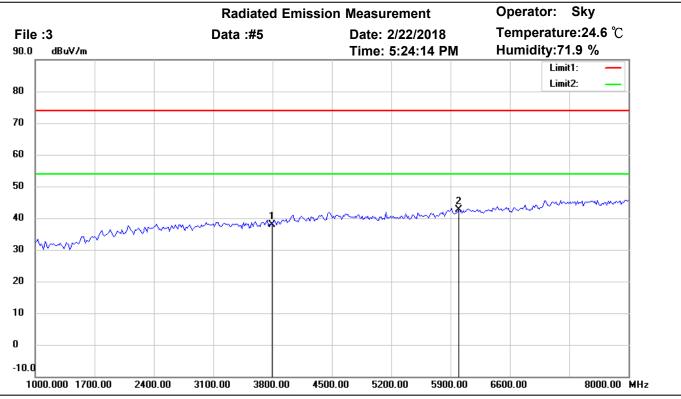
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3300.601	39.67	peak	-2.43	37.24	74.00	150	295	-36.76	
*	5194.389	39.06	peak	1.05	40.11	74.00	150	155	-33.89	



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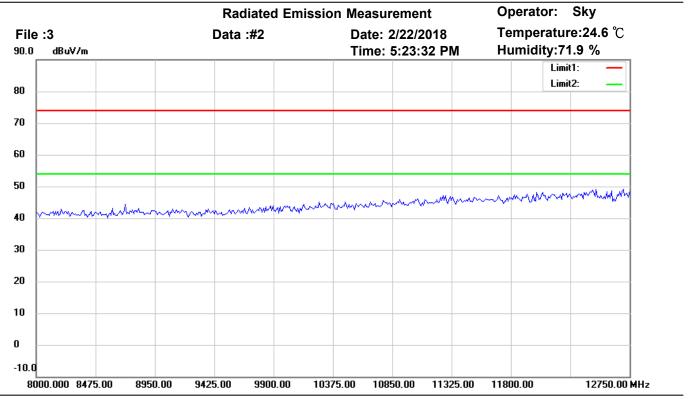
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2441MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3791.583	39.48	peak	-1.58	37.90	74.00	150	70	-36.10	
*	5993.988	39.68	peak	2.97	42.65	74.00	150	95	-31.35	



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Site: Chamber

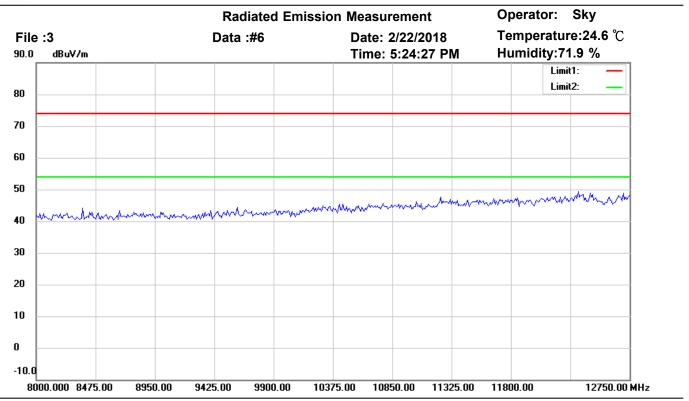
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2441MHz

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



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Site: Chamber

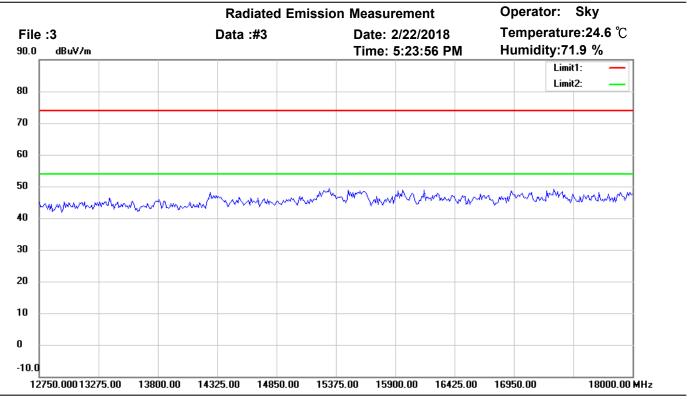
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Test Mode: RX 2441MHz

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



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Site: Chamber

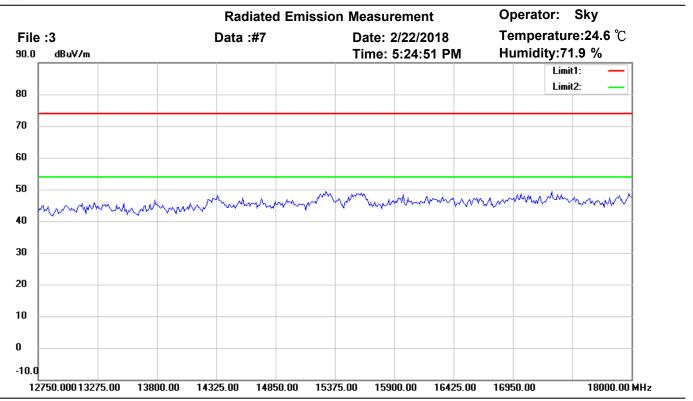
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Test Mode: RX 2441MHz

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



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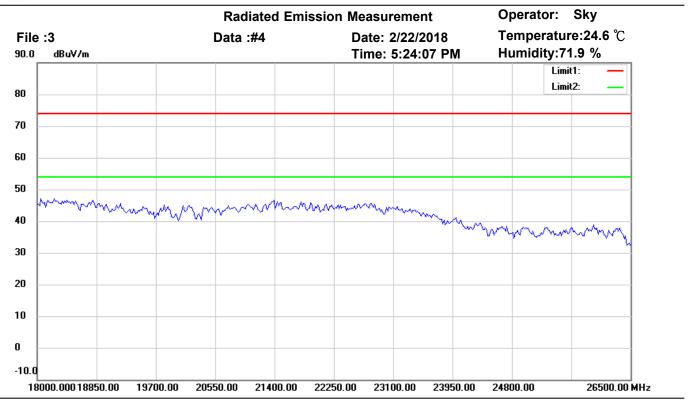
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Test Mode: RX 2441MHz

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



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Site: Chamber

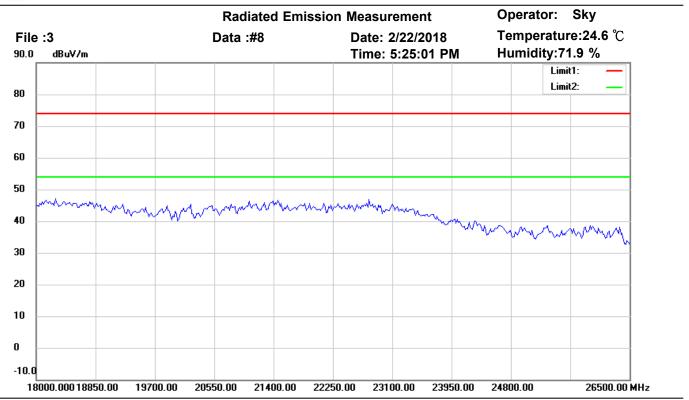
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2441MHz

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Mk.	(MHz)	(dBuV)		(dB/m)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



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Site: Chamber

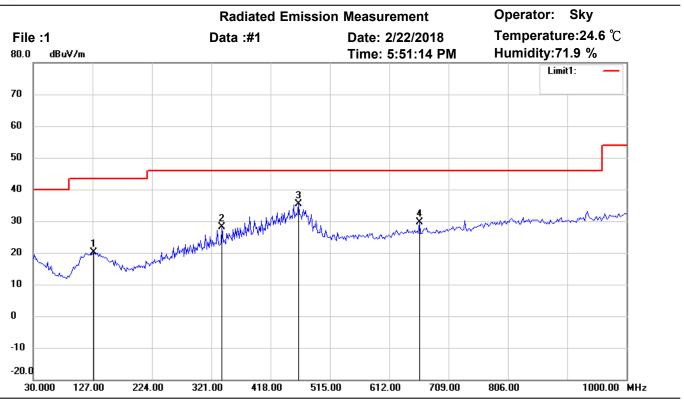
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2441MHz

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



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Site: Chamber

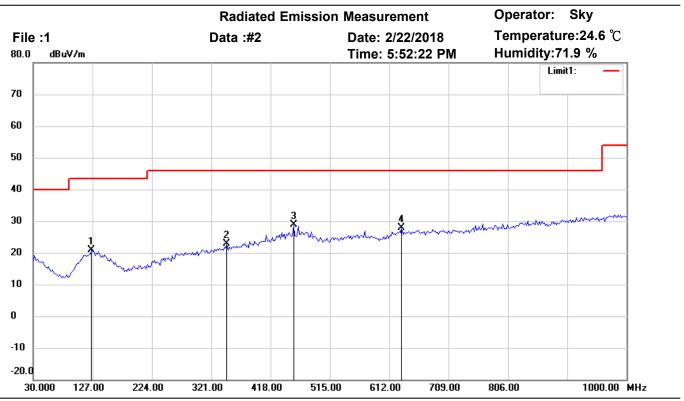
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

Test Mode: RX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	129.1382	26.90	peak	-6.67	20.23	43.50	100	95	-23.27	
	339.0781	33.21	peak	-4.98	28.23	46.00	100	50	-17.77	
*	463.4870	38.40	peak	-3.07	35.33	46.00	100	155	-10.67	
	661.7635	29.99	peak	-0.25	29.74	46.00	100	120	-16.26	



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Site: Chamber

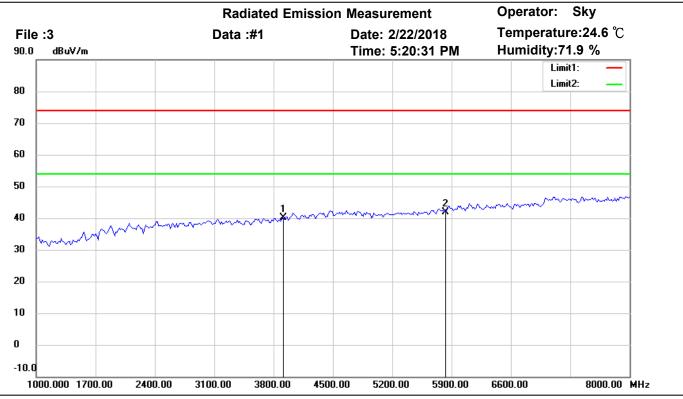
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

Test Mode: RX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	125.2505	27.65	peak	-6.74	20.91	43.50	100	95	-22.59	
	346.8536	27.67	peak	-4.80	22.87	46.00	100	260	-23.13	
*	455.7114	31.95	peak	-3.14	28.81	46.00	100	105	-17.19	
	632.6052	28.67	peak	-0.79	27.88	46.00	100	75	-18.12	



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Site: Chamber

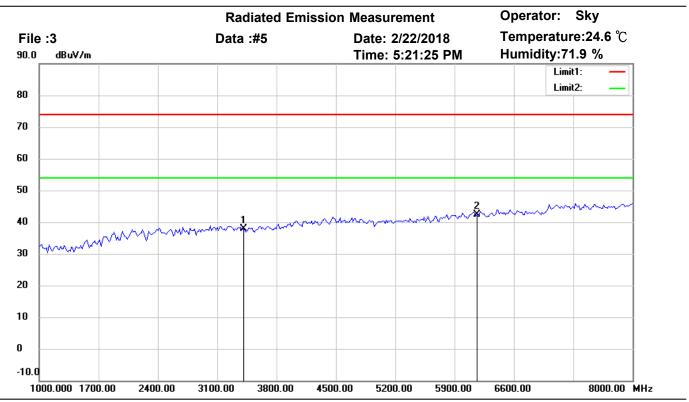
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3903.808	41.15	peak	-1.14	40.01	74.00	150	170	-33.99	
*	5825.651	39.55	peak	2.30	41.85	74.00	150	30	-32.15	



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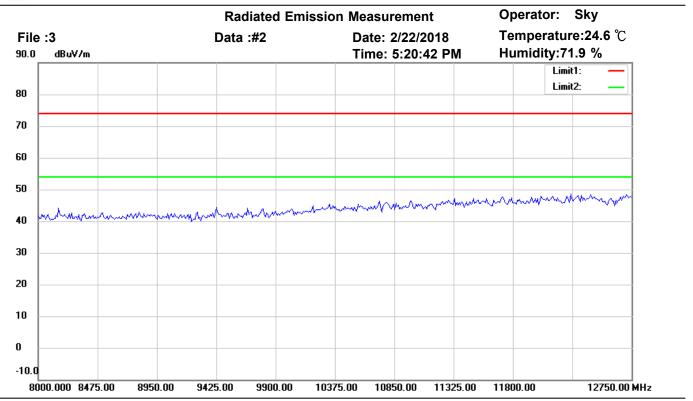
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2480MHz

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3398.798	40.61	peak	-2.80	37.81	74.00	150	90	-36.19	
*	6162.324	39.12	peak	3.29	42.41	74.00	150	155	-31.59	



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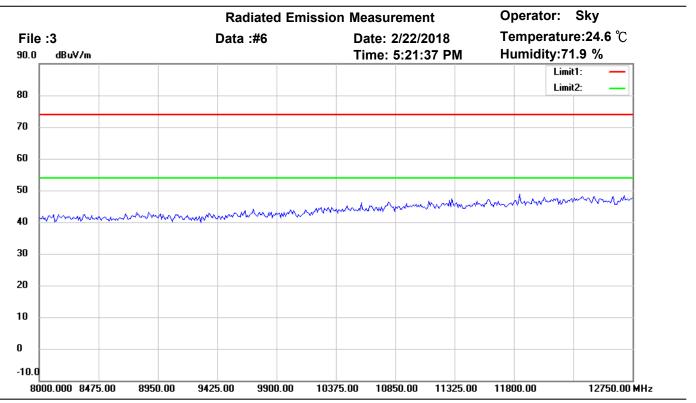
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2480MHz

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



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Site: Chamber

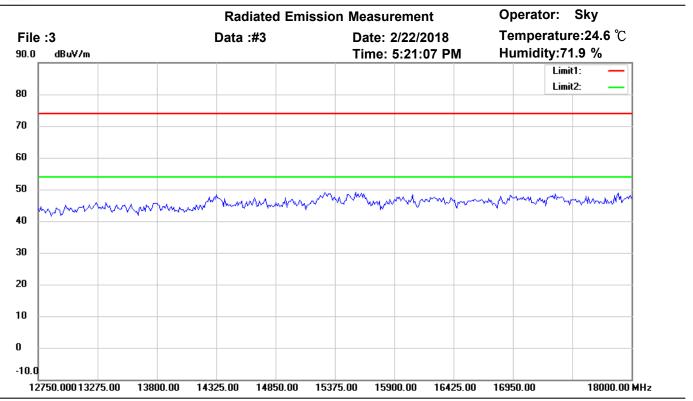
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2480MHz

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



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Site: Chamber

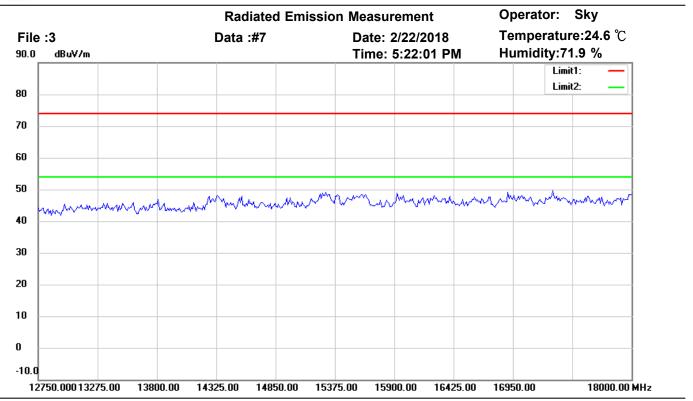
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2480MHz

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



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Site: Chamber

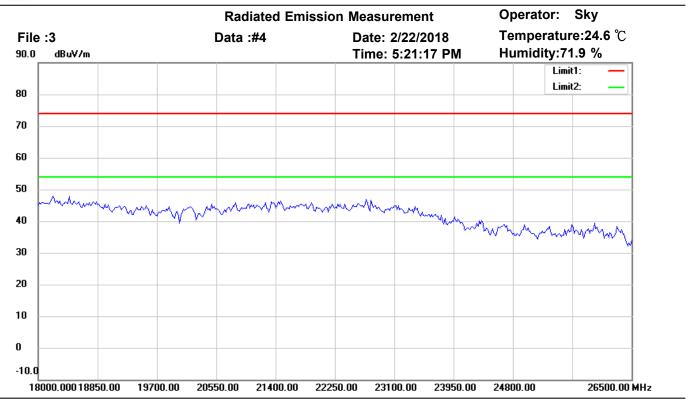
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2480MHz

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



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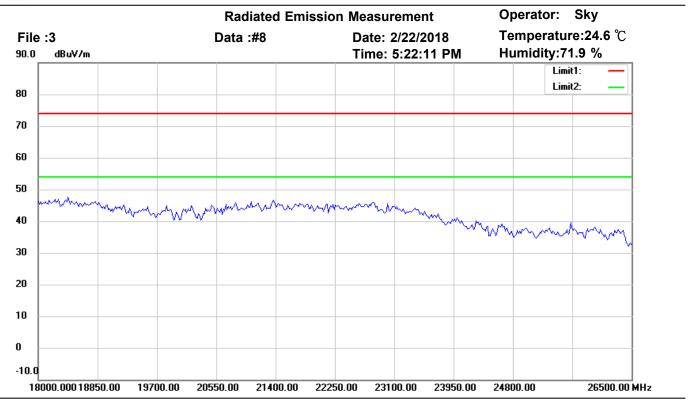
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: RX 2480MHz

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



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Site: Chamber

Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

Test Mode: RX 2480MHz

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