#### FCC PART 15 SUBPART C TEST REPORT

for

### **SOUND TEAM Bluetooth Earmuffs**

**Model No.: ST258 Bluetooth Earmuffs** 

**FCC ID: 2AKMZST258101** 

of

Applicant: Sound Team Enterprise Co., Ltd.

# Address: 7Fl., No. 214 Wenlin North Road, Peitou Dist., 11287 Taipei City, Taiwan

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: 930600

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

A2LA Accredited No.: 2732.01





Report No.: W6M21611-16445-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: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

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FCC ID: 2AKMZST258101 **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:** 

January 03, 2017 Kent Lin

Date WTS-Lab. Name Signature

Technical responsibility for area of testing:

January 03, 2017 Kevin Wang

Date WTS Name Signature



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101 **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. 930600

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: Sound Team Enterprise Co., Ltd.

Street: 7Fl., No. 214 Wenlin North Road, Peitou Dist.,

Town: 11287 Taipei City,

Country: Taiwan

Telephone: +886-2-2827-6312 Fax: +886-2-2827-6313

FCC ID: 2AKMZST258101 **1.4 Application details** 

Date of receipt of test item: December 08, 2016

Date of test: from December 09, 2016 to December 29, 2016

1.5 General information of Test item

Type of test item: SOUND TEAM Bluetooth Earmuffs

Model Number: ST258 Bluetooth Earmuffs

Multi-listing model number: ./.

Photos: see Annex

**Technical data** 

Frequency band: 2402 - 2480 MHz

Frequency ( ch 0): 2402 MHz Frequency ( ch 39): 2441 MHz Frequency ( ch 78): 2480 MHz

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

Normal Mode

Power (ch 0): Conducted: -0.43 dBm Power (ch 39): Conducted: 0.25 dBm Power (ch 78): Conducted: 0.45 dBm

EDR Mode

Power (ch 0): Conducted: 0.91 dBm Power (ch 39): Conducted: 1.37 dBm Power (ch 78): Conducted: 1.68 dBm

Power supply: USB: 5VDC (power from PC)

Battery: 3.7 VDC, 180 mAh

Operation modes: Duplex

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

Antenna Type: PCB printed antenna

Antenna gain: 1.9 dBi



FCC ID: 2AKMZST258101 Host device: none

#### Classification:

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

### **Manufacturer:** (if applicable)

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

Additional information: ./.

#### 1.6 Test standards

Technical standard: FCC RULES PART 15 SUBPART C § 15.247 (2015-10)

FCC ID: 2AKMZST258101 **2** Technical test

### 2.1 Summary of test results

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

#### 2.2 Test environment

performed.

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply USB: 5VDC (power from PC)

Battery: 3.7 VDC, 180 mAh

Extreme conditions parameters: test voltage : -- extreme

min : -- V max : -- V



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FCC ID: 2AKMZST258101 **2.3** Test Equipment List

No. Test equipment		Туре	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2016/5/20	2017/5/19
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function	on Test
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	2016/7/15	2017/7/14
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2016/9/12	2017/9/11
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2016/8/26	2017/8/25
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2016/5/20	2017/5/19
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2016/5/25	2017/5/24
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2016/7/4	2017/7/3
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function	on Test
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function	on Test
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2016/6/24	2017/6/23
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2016/6/29	2017/6/28
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2016/3/23	2017/3/22
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2016/1/25	2017/1/24
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2016/3/28	2017/3/27
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2016/4/14 2017/-	
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2016/2/27	2017/2/26
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2016/2/25	2017/2/24
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2016/4/13	2017/4/12
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	HP	2016/9/8	2017/9/7
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2016/9/20	2017/9/19
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2016/2/25 2017/2/24	
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	2016/1/13	2017/1/12
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Functi	on test
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2016/5/23	2017/5/22



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ETSTW-RE 125	5GHz Notch filter	5NSL11- 5200/E221.3-O/O	1	K&L Microwave	2016/8/10	2017/8/9
ETSTW-RE 126	5GHz Notch filter	5NSL12- 5800/E221.3-O/O	1	K&L Microwave	2016/8/10	2017/8/9
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2016/2/25	2017/2/24
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2016/8/10	2017/8/9
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2016/8/10	2017/8/9
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-te	st Use
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2016/4/13	2017/4/12
ETSTW-RE 143	Humidity Temperature Meter	TES-1260	110104623	TES	2016/8/19	2017/8/18
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2016/3/31	2017/3/30
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2016/5/4	2017/5/3
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2016/3/4	2017/3/3
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2016/2/3	2017/2/2
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849- 822/851-40 /12+9SS	3	WI	2016/1/13	2017/1/12
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748- 1743/1752-32/5SS	1	WI	2016/1/13	2017/1/12
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5 -1875.5/1884.5- 32/5SS	3	WI	2016/1/13	2017/1/12
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1- 904.25-50/8SS	1	WI	2016/1/13	2017/1/12
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2016/9/14	2017/9/13
ETSTW-Cable 010	BNC Cable	RGS-142	None	THERMAX	2016/9/12	2017/9/11
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test U	Jse NCR
ETSTW-Cable 012	BNC Cable	RGS-400	None	THERMAX	2016/9/12	2017/9/11
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2016/4/22	2017/4/21
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2016/4/7	2017/4/6
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2016/2/25	2017/2/24
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2016/5/13	2017/5/12
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2016/9/20	2017/9/19
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2016/9/20	2017/9/19
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2016/2/25	2017/2/24
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2016/4/7	2017/4/6
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2016/4/13	2017/4/12



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ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2016/9/12	2017/9/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version E	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

Worldwide Testing Services(Taiwan) Co., Ltd.

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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

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

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

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

Measurements were made by Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207, Taiwan (R.O.C.). The Registration Number: **930600**.

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)	×	×	
Equivalent radiated Power	15.247(b)	×	×	
Spurious Emissions radiated – Transmitter operating	15.247(c)	×	×	
Spurious Emissions conducted – Transmitter operating	15.247			
Carrier Frequency Separation	15.247(a) (1)	×	×	
Number of Hopping Frequencies	15.247(a) (1)(i)	×	×	
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	×	×	
20 dB Bandwidth	15.247(a) (1)(i)	×	×	
Band-edge Compliance of RF Emission	15.247(d)	×	×	
Radiated Emission from Receiver Part	15.109	×	×	
Power Line Conducted Emission	15.207(a)	×	×	

The follows is intended to leave blank.

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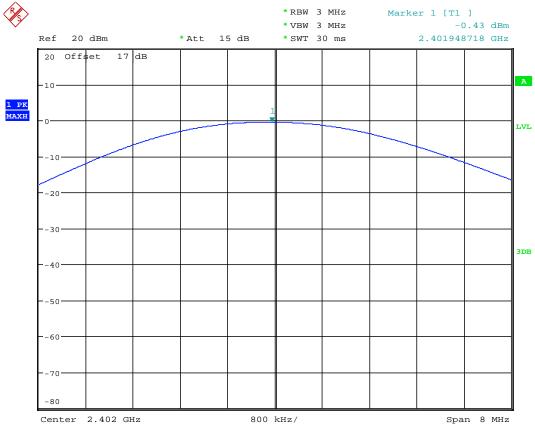
### 3.1 Peak Output Power (transmitter)

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



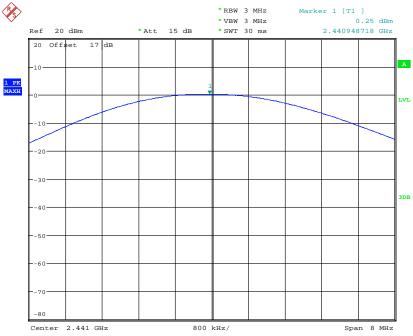
MAX OUTPUT POWER CHO

Date: 12.DEC.2016 10:11:11

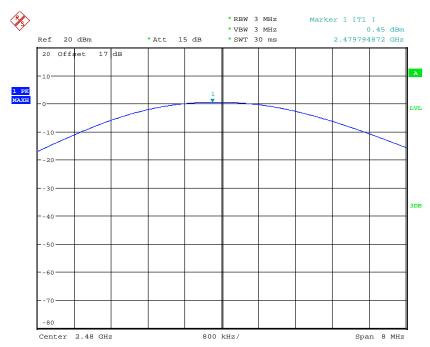


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FCC ID: 2AKMZST258101



MAX OUTPUT POWER CH39
Date: 12.DEC.2016 10:13:03



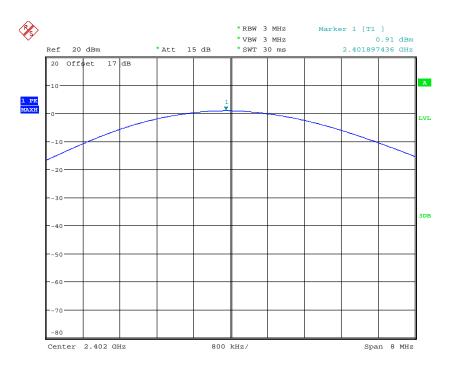
MAX OUTPUT POWER CH78
Date: 12.DEC.2016 10:13:43



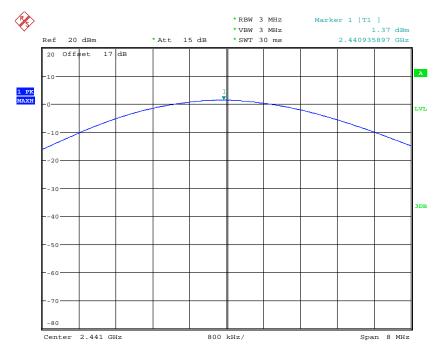
Registration number: W6M21611-16445-C-1

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EDR mode



MAX OUTPUT POWER CH0 EDR MODE Date: 12.DEC.2016 10:19:35

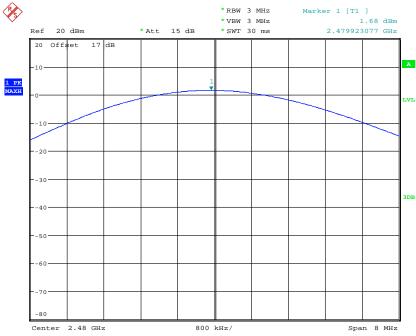


MAX OUTPUT POWER CH39 EDR MODE Date: 12.DEC.2016 10:20:23



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



MAX OUTPUT POWER CH78 EDR MODE Date: 12.DEC.2016 10:20:51

### **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

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#### 3.2 **RF Exposure Compliance Requirements**

FCC Rule: 15.247(b)(3)

Test exclusion = max. conducted output power

Test exclusion = 1.68 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: 1.4723 mW

Separation distances: Radiator to user: > 5 mm

I	Distance prescribed in user manual: > 5 mm										
	MHz	5	10	15	20	25	mm				
	2450	10	19	29	38	48	SAR Test Exclusion Threshold (mW)				
	MHz	30	35	40	45	50	mm				
	2450	57	67	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

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#### 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: 2AKMZST258101

#### 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.

Worldwide Testing Services(Taiwan) Co., Ltd.



FCC ID: 2AKMZST258101

#### 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: ST258 Bluetooth Earmuffs Date:

Mode: -- Temperature: -- °C Engineer: --

Polarization: -- Humidity: -- %

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

#### 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 =  $\pm 4.69$  dB, 1-18 GHz =  $\pm 4.78$  dB, 18-40 GHz =  $\pm 2.44$  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.

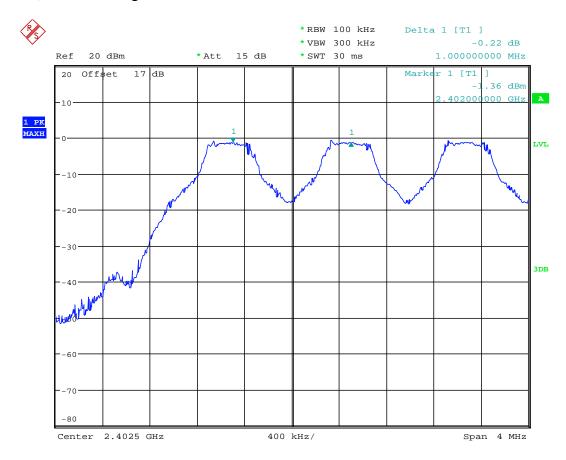
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 064, ETSTW-RE 088, ETSTW-RE 018

FCC ID: 2AKMZST258101

#### 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: 12.DEC.2016 10:17:31

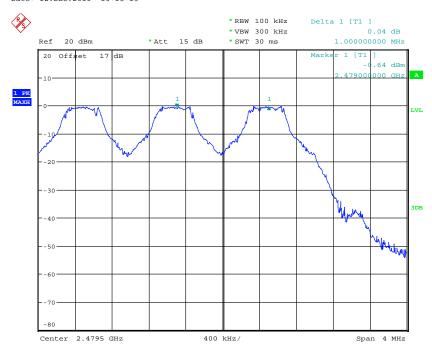


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



FREQUENCY SEPARATION CH39
Date: 12.DEC.2016 10:18:15



FREQUENCY SEPARATION CH78
Date: 12.DEC.2016 10:19:03



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

Limits:

Frequency Range	Limits			
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		

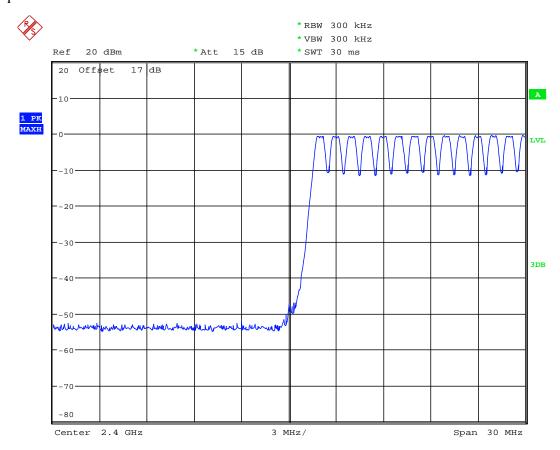
Test equipment used: ETSTW-RE 055, ETSTW-RE 064

FCC ID: 2AKMZST258101

### 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.

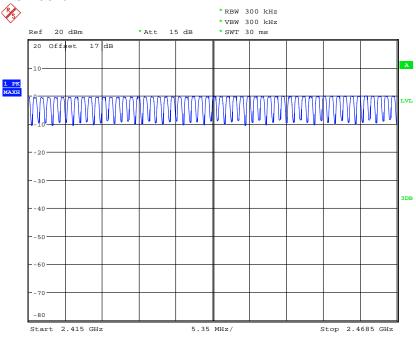


NUMBER OF HOPPING CH0-13
Date: 12.DEC.2016 10:14:51

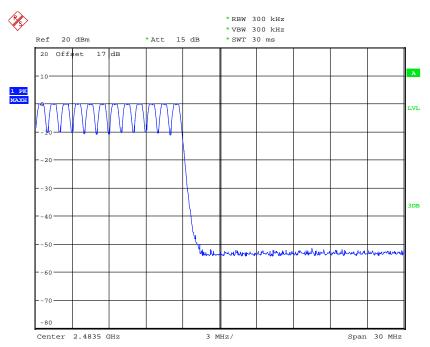


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



NUMBER OF HOPPING CH14-66
Date: 12.DEC.2016 10:16:39



NUMBER OF HOPPING CH67-78
Date: 12.DEC.2016 10:15:31



FCC ID: 2AKMZST258101

#### Limits:

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

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

#### 3.7.1 Pseudorandom Frequency Hopping Sequence

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

#### 3.7.2 Coordination of hopping sequences to other transmitters

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

#### 3.7.3 System Receiver Hopping Capability

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

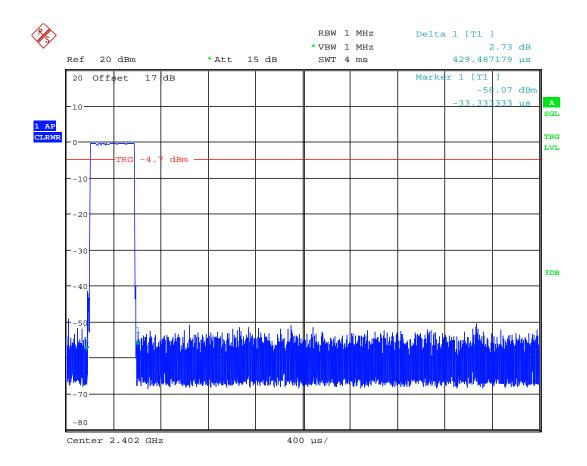
FCC ID: 2AKMZST258101

### 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.



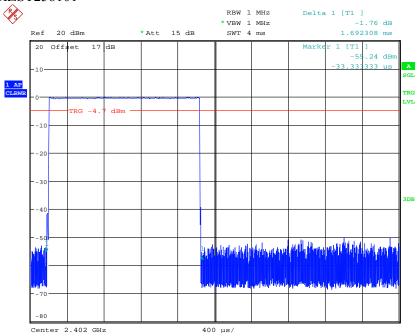
DWELL TIME CHO DH1 (0.429ms \* 320event = 137.28ms)

Date: 12.DEC.2016 10:30:44

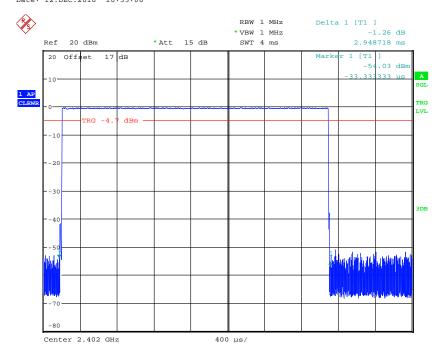


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



DWELL TIME CH0 DH3 (1.692ms \* 160event = 270.72ms)
Date: 12.DEC.2016 10:33:08

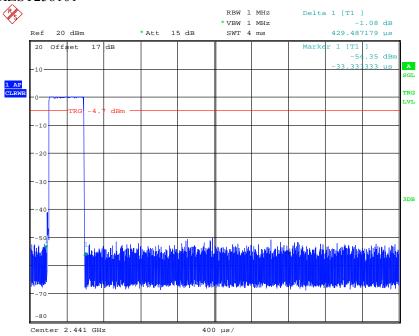


DWELL TIME CHO DH5 (2.948ms \* 320event = 312.488ms)
Date: 12.DEC.2016 10:35:39

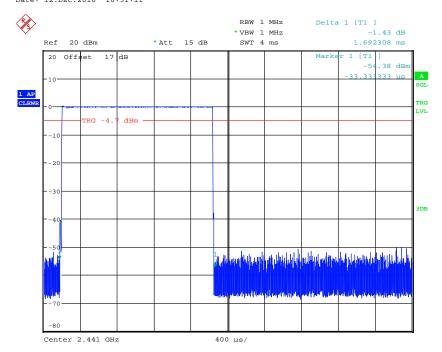


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



DWELL TIME CH39 DH1 (0.429ms \* 320event = 137.28ms)
Date: 12.DEC.2016 10:31:11



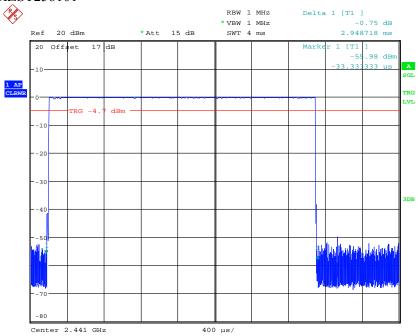
DWELL TIME CH39 DH3 (1.692ms \* 160event = 270.72ms)

Date: 12.DEC.2016 10:33:28

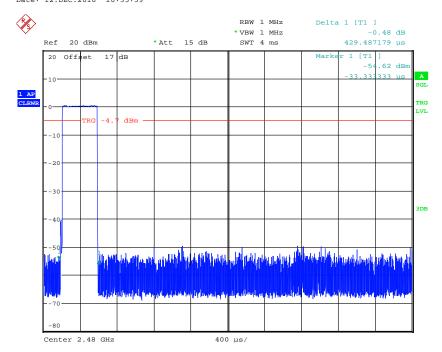


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



DWELL TIME CH39 DH5 (2.948ms \* 320event = 312.488ms)
Date: 12.DEC.2016 10:35:59



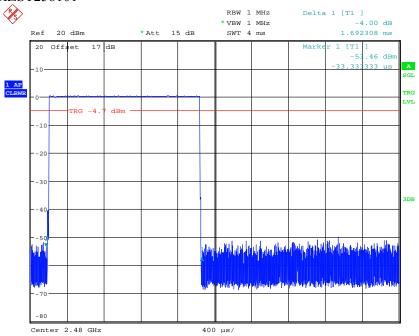
DWELL TIME CH78 DH1 (0.429ms \* 320event = 137.28ms)

Date: 12.DEC.2016 10:31:34

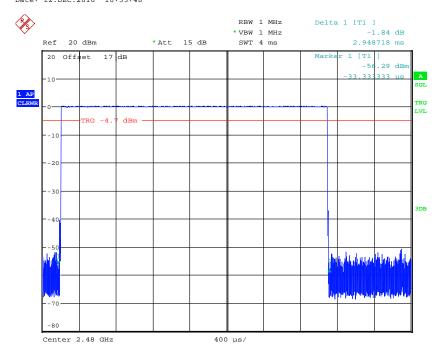


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



DWELL TIME CH78 DH3 (1.692ms \* 160event = 270.72ms)
Date: 12.DEC.2016 10:33:48



DWELL TIME CH78 DH5 (2.948ms \* 320event = 312.488ms)

Date: 12.DEC.2016 10:36:21



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

### Limits and measurement periods:

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

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

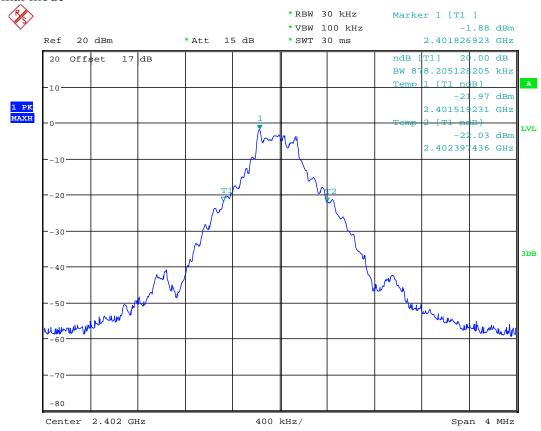
FCC ID: 2AKMZST258101
3.9 20dB Bandwidth

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



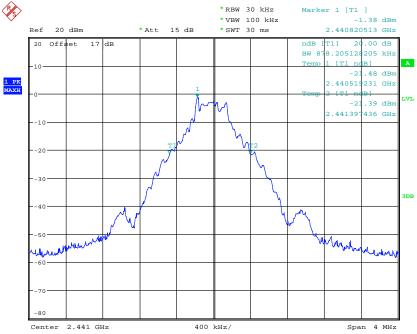
20DB BANDWIDTH CH0

Date: 12.DEC.2016 10:11:19

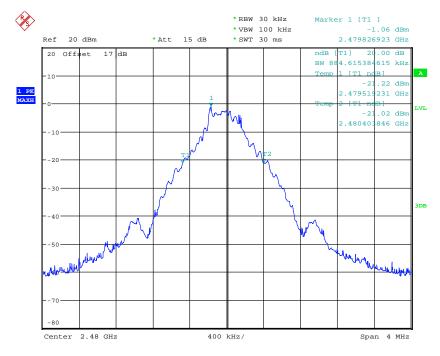


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



20DB BANDWIDTH CH39
Date: 12.DEC.2016 10:13:11



20DB BANDWIDTH CH78

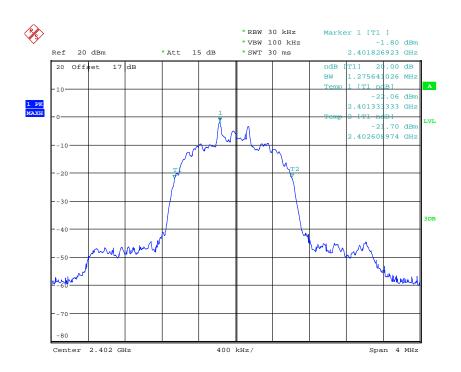
Date: 12.DEC.2016 10:13:52



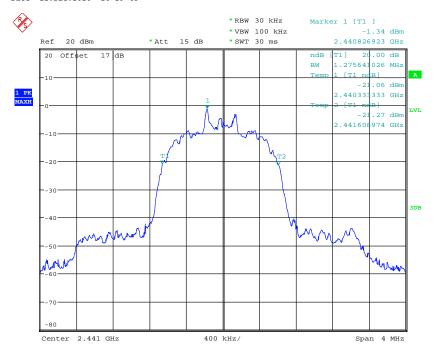
Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

#### EDR mode



20DB BANDWIDTH CH0 EDR MODE Date: 12.DEC.2016 10:19:43

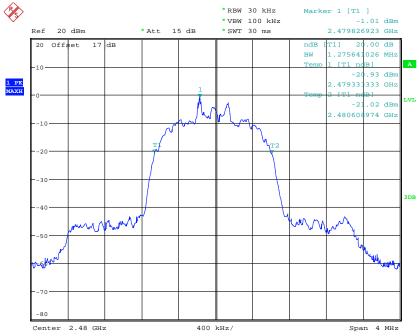


20DB BANDWIDTH CH39 EDR MODE Date: 12.DEC.2016 10:20:31



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



20DB BANDWIDTH CH78 EDR MODE Date: 12.DEC.2016 10:20:59

#### Limits:

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

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

#### 3.9.1 System Receiver Input Bandwidth

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

Registration number: W6M21611-16445-C-1

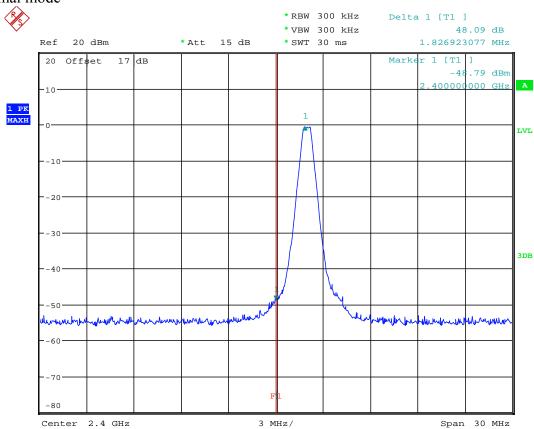
FCC ID: 2AKMZST258101

#### 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.





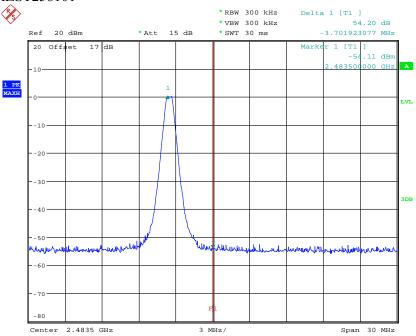
BANDEDGE CHO

Date: 12.DEC.2016 10:11:31



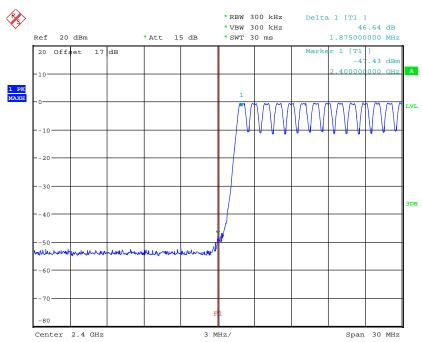
Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101





Date: 12.DEC.2016 10:13:59



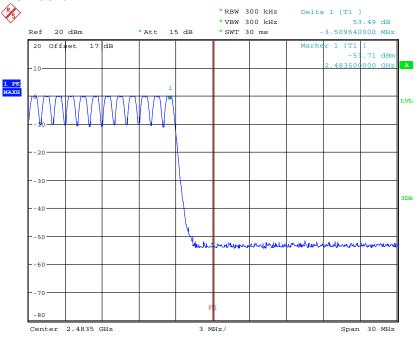
BANDEDGE CHO HOPPING MODE

Date: 12.DEC.2016 10:14:52



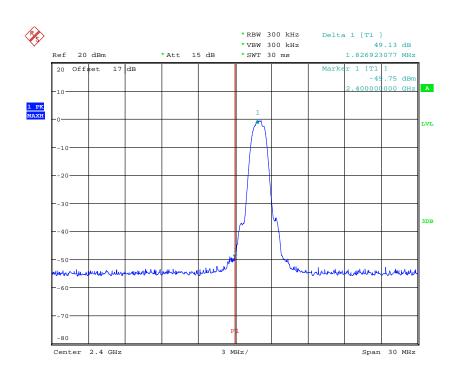
Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



BANDEDGE CH78 HOPPING MODE
Date: 12.DEC.2016 10:15:32

#### EDR mode

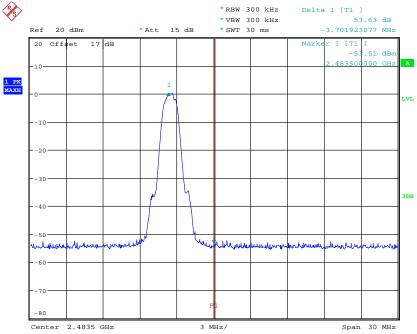


BANDEDGE CHO EDR MODE
Date: 12.DEC.2016 10:19:51

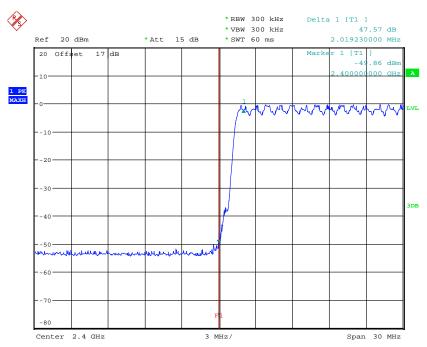


Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



BANDEDGE CH78 EDR MODE
Date: 12.DEC.2016 10:21:11

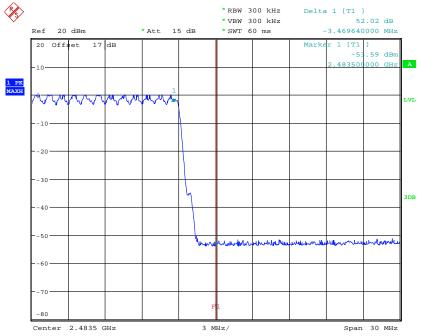


BANDEDGE CH0 EDR HOPPING MODE Date: 12.DEC.2016 10:23:11



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



BANDEDGE CH78 EDR HOPPING MODE Date: 12.DEC.2016 10:24:55

#### **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: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

#### 3.11 Radiated Emissions from Receiver Part

FCC Rule: 15.109

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

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

Explanation: See attached diagrams in appendix.

Test equipment used: ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 004, ETSTW-RE 030

ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147



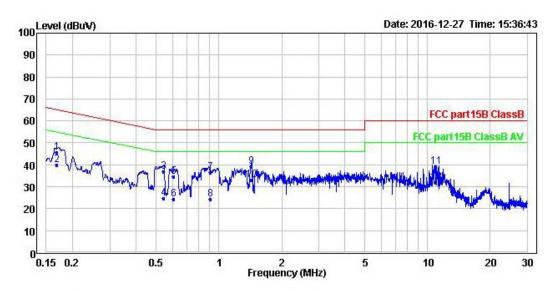
Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

#### 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.



Condition: FCC part15B ClassB ENV216 neutral

EUT : W6M21611-16445

Mode

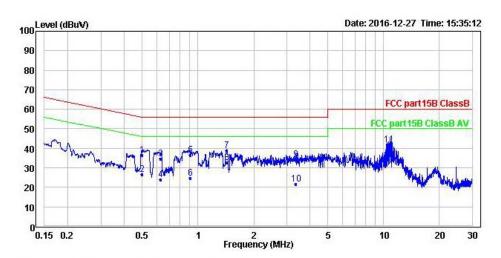
Power : 120Va.c. Operator : Kent

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Pol/Phase	Remark
5	MHz	dBuV	dBuV	dB	dBuV	dB		3.05
	0.169	45.45	35.67	9.78	65.01	-19.56	neutral	QP
	0.169	39.89	30.11	9.78	55.01	-15.12	neutral	Average
	0.544	37.02	27.23	9.79	56.00	-18.98	neutral	QP
	0.544	24.75	14.96	9.79	46.00	-21.25	neutral	Average
	0.607	34.65	24.85	9.80	56.00	-21.35	neutral	QP
	0.607	24.34	14.54	9.80	46.00	-21.66	neutral	Average
	0.907	36.41	26.60	9.81	56.00	-19.59	neutral	QP
	0.907	24.51	14.70	9.81	46.00	-21.49	neutral	Average
	1.431	39.23	29.37	9.86	56.00	-16.77	neutral	QP
k	1.431	33.02	23.16	9.86	46.00	-12.98	neutral	Average
	10.950	39.20	29.10	10.10	60.00	-20.80	neutral	QP
	10.950	32.02	21.92	10.10	50.00	-17.98	neutral	Average
	ĸ	MHz  0.169 0.169 0.544 0.544 0.607 0.607 0.907 1.431 1.431 10.950	MHz dBuV  0.169 45.45 0.169 39.89 0.544 37.02 0.544 24.75 0.607 34.65 0.607 24.34 0.907 36.41 0.907 24.51 1.431 39.23 1.431 33.02 10.950 39.20	MHz dBuV dBuV  0.169 45.45 35.67 0.169 39.89 30.11 0.544 37.02 27.23 0.544 24.75 14.96 0.607 34.65 24.85 0.607 24.34 14.54 0.907 36.41 26.60 0.907 24.51 14.70 1.431 39.23 29.37 1.431 33.02 23.16 10.950 39.20 29.10	Freq         Level         Level         Factor           MHz         dBuV         dBuV         dB           0.169         45.45         35.67         9.78           0.169         39.89         30.11         9.78           0.544         37.02         27.23         9.79           0.544         24.75         14.96         9.79           0.607         34.65         24.85         9.80           0.907         36.41         26.60         9.81           0.907         24.51         14.70         9.81           1.431         39.23         29.37         9.86           1.431         33.02         23.16         9.86           10.950         39.20         29.10         10.10	Freq         Level         Level         Factor         Line           MHz         dBuV         dBuV         dB dBuV           0.169         45.45         35.67         9.78         65.01           0.169         39.89         30.11         9.78         55.01           0.544         37.02         27.23         9.79         56.00           0.544         24.75         14.96         9.79         46.00           0.607         34.65         24.85         9.80         56.00           0.607         24.34         14.54         9.80         46.00           0.907         36.41         26.60         9.81         56.00           0.907         24.51         14.70         9.81         46.00           1.431         39.23         29.37         9.86         56.00           1.431         33.02         23.16         9.86         46.00           10.950         39.20         29.10         10.10         60.00	Freq         Level         Level         Factor         Line         Limit           MHz         dBuV         dBuV         dB         dBuV         dB           0.169         45.45         35.67         9.78         65.01         -19.56           0.169         39.89         30.11         9.78         55.01         -15.12           0.544         37.02         27.23         9.79         56.00         -18.98           0.544         24.75         14.96         9.79         46.00         -21.25           0.607         34.65         24.85         9.80         56.00         -21.35           0.607         24.34         14.54         9.80         46.00         -21.66           0.907         36.41         26.60         9.81         56.00         -19.59           0.907         24.51         14.70         9.81         46.00         -21.49           1.431         39.23         29.37         9.86         56.00         -16.77           1.431         33.02         23.16         9.86         46.00         -12.98           10.950         39.20         29.10         10.10         60.00         -20.80	Freq         Level         Factor         Line         Limit         Pol/Phase           MHz         dBuV         dBuV         dBuV         dBuV         dB           0.169         45.45         35.67         9.78         65.01         -19.56         neutral           0.169         39.89         30.11         9.78         55.01         -15.12         neutral           0.544         37.02         27.23         9.79         56.00         -18.98         neutral           0.544         24.75         14.96         9.79         46.00         -21.25         neutral           0.607         34.65         24.85         9.80         56.00         -21.35         neutral           0.607         24.34         14.54         9.80         46.00         -21.66         neutral           0.907         36.41         26.60         9.81         56.00         -19.59         neutral           0.907         24.51         14.70         9.81         46.00         -21.49         neutral           1.431         39.23         29.37         9.86         56.00         -16.77         neutral           1.431         33.02         23.16         9.86



Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101



Condition: FCC part15B ClassB ENV216 line

EUT : W6M21611-16445

Mode :

Power : 120Va.c. Operator : Kent

Note :

		Freq	Level	Read Level	Factor	Limit Line	Over Limit	Pol/Phase	Remark
		Santa.							
		MHz	dBu∀	dBu∀	dB	dBu∀	dB		
1		0.501	36.46	26.68	9.78	56.00	-19.54	line	QP
2		0.501	26.72	16.94	9.78	46.00	-19.28	line	Average
3		0.630	34.65	24.87	9.78	56.00	-21.35	line	QP
4		0.630	24.03	14.25	9.78	46.00	-21.97	line	Average
4 5 6		0.906	36.51	26.74	9.77	56.00	-19.49	line	QP
6		0.906	24.62	14.85	9.77	46.00	-21.38	line	Average
7		1.431	38.94	29.15	9.79	56.00	-17.06	line	QP
8	*	1.431	32.68	22.89	9.79	46.00	-13.32	line	Average
9		3.356	34.33	24.50	9.83	56.00	-21.67	line	QP
10		3.356	21.83	12.00	9.83	46.00	-24.17	line	Average
11		10.614	41.99	31.99	10.00	60.00	-18.01	line	QP
12		10.614	34.08	24.08	10.00	50.00	-15.92	line	Average

#### 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 =  $\pm 1.14$  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.

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-CE 028.

Registration number: W6M21611-16445-C-1

FCC ID: 2AKMZST258101

## **Appendix**

#### A Photos

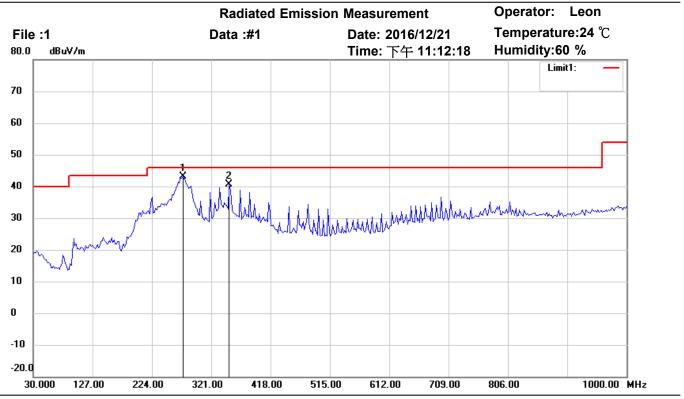
- 1. External Photos
- 2. Internal Photos
- 3. Set Up Photo of Radiated Emission
- 4. Set Up Photo of Conducted Emission

### **B** Measurement diagrams

**Radiated Emission** 



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Site: Chamber

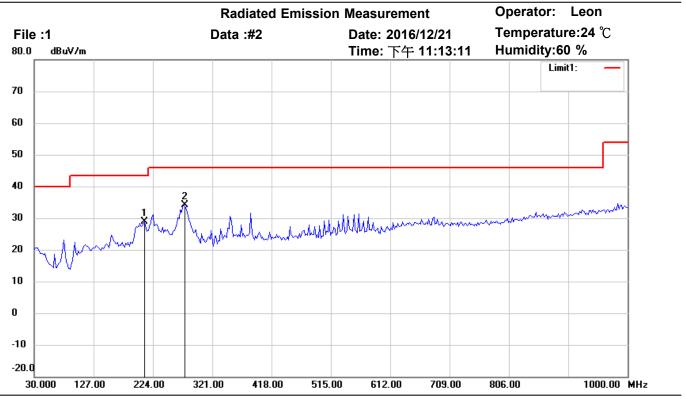
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

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
*	274.9297	49.25	peak	-6.12	43.13	46.00	150	175	-2.87	
	350.7414	45.24	peak	-4.55	40.69	46.00	150	130	-5.31	



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Site: Chamber

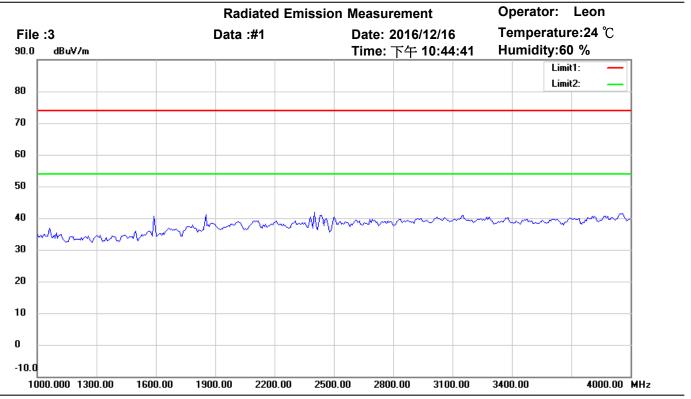
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

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
	210.7816	38.77	peak	-9.84	28.93	43.50	150	90	-14.57	
*	274.9300	40.37	peak	-6.12	34.25	46.00	150	165	-11.75	



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Site: Chamber

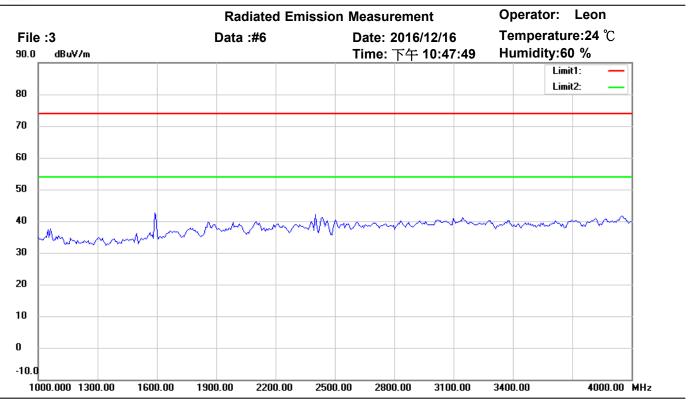
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

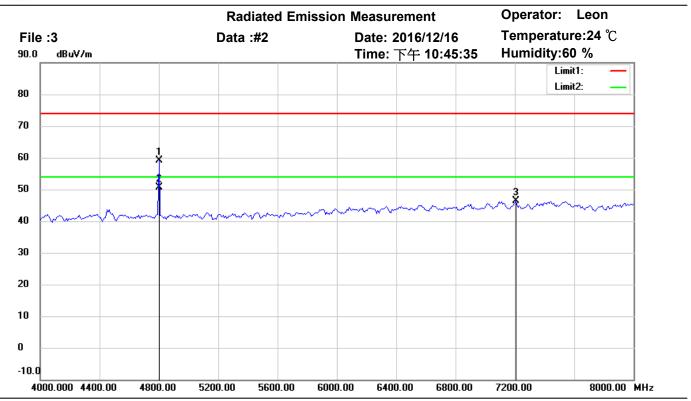
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

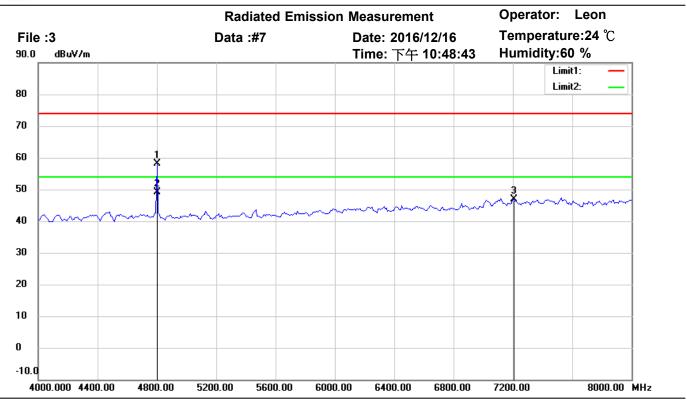
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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
	4801.603	59.84	peak	-0.60	59.24	74.00	245	235	-14.76	
*	4801.603	51.23	AVG	-0.60	50.63	54.00	245	235	-3.37	
	7206.000	42.00	peak	4.26	46.26	74.00	150	155	-27.74	



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Site: Chamber

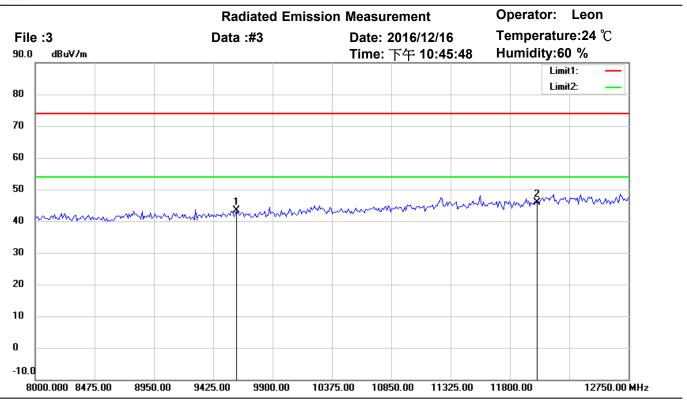
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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
	4801.603	58.81	peak	-0.60	58.21	74.00	150	245	-15.79	
*	4801.603	49.76	AVG	-0.60	49.16	54.00	150	245	-4.84	
	7206.000	42.63	peak	4.26	46.89	74.00	150	160	-27.11	



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Site: Chamber

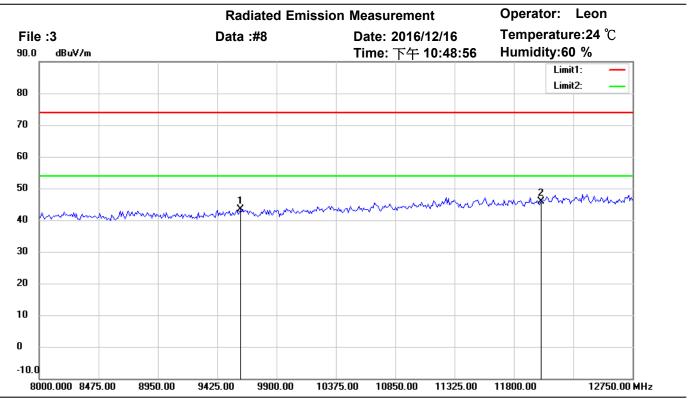
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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
	9608.000	35.90	peak	7.59	43.49	74.00	150	245	-30.51	
*	12010.000	33.41	peak	12.47	45.88	74.00	150	170	-28.12	



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Site: Chamber

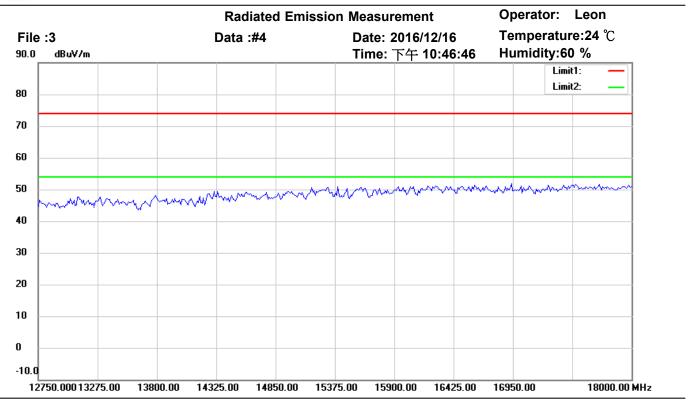
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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	35.75	peak	7.59	43.34	74.00	150	255	-30.66	
*	12010.000	33.37	peak	12.47	45.84	74.00	150	180	-28.16	



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Site: Chamber

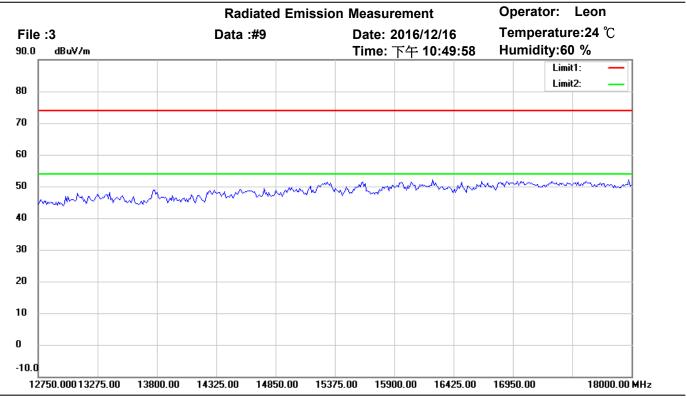
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

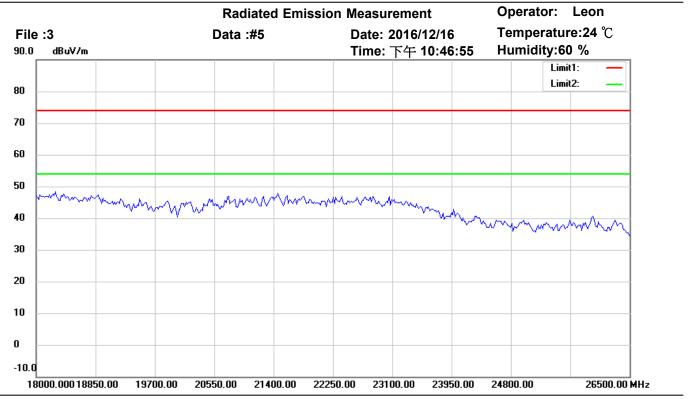
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

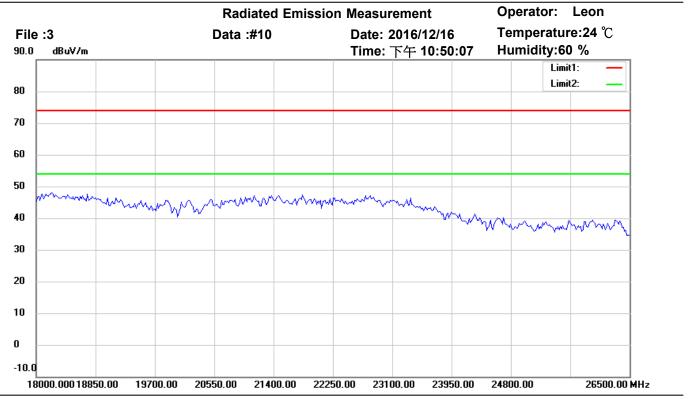
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

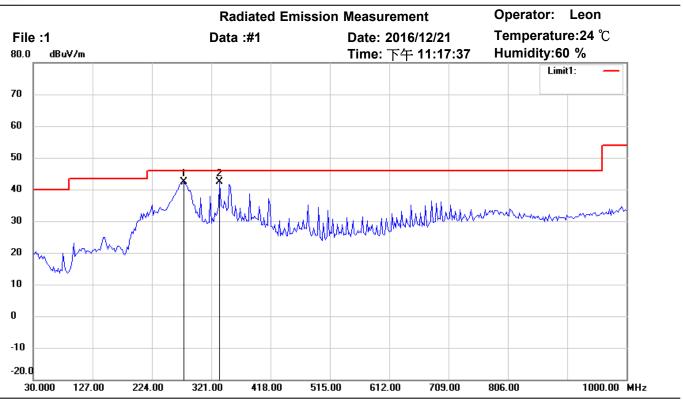
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

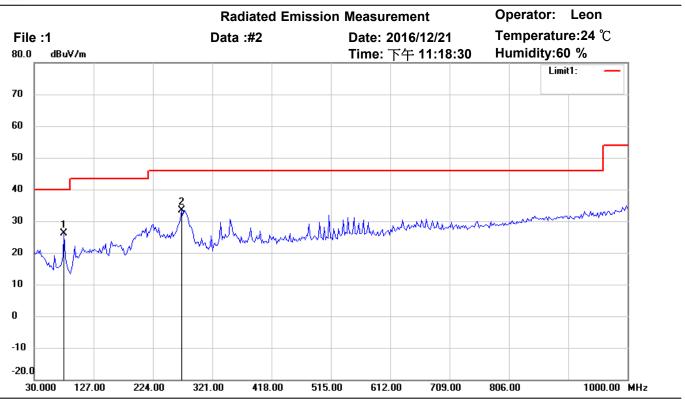
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

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
	276.8735	48.37	peak	-6.08	42.29	46.00	150	60	-3.71	
*	335.1904	47.21	peak	-4.87	42.34	46.00	150	30	-3.66	



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Site: Chamber

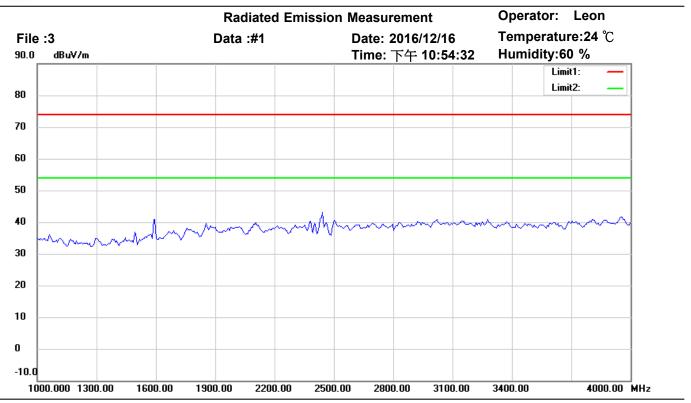
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

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
	78.5972	39.17	peak	-13.03	26.14	40.00	150	75	-13.86	
*	271.0421	39.69	peak	-6.20	33.49	46.00	150	95	-12.51	



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Site: Chamber

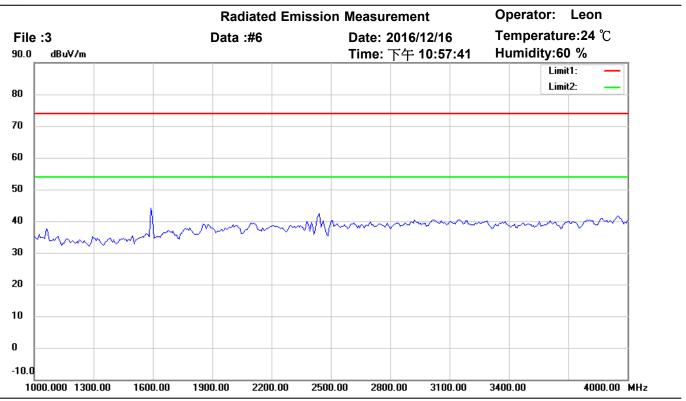
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

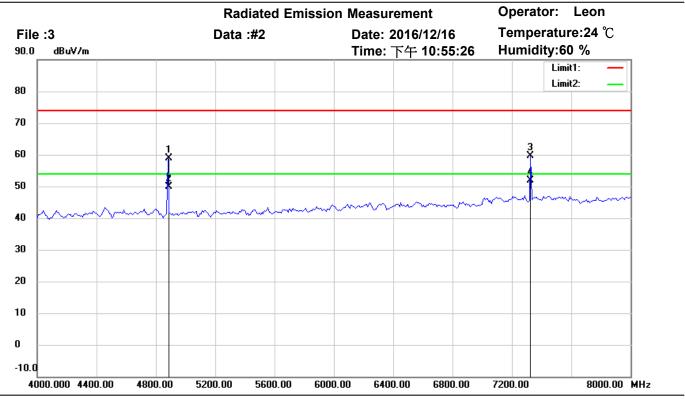
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

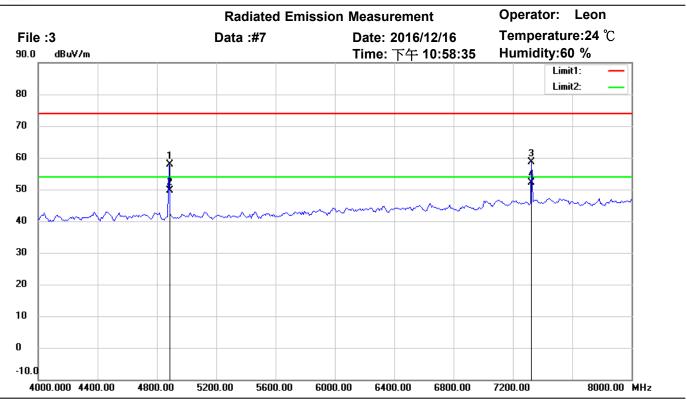
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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	59.31	peak	-0.49	58.82	74.00	230	245	-15.18	
	4881.764	50.26	AVG	-0.49	49.77	54.00	230	245	-4.23	
	7326.653	54.98	peak	4.54	59.52	74.00	180	235	-14.48	
*	7326.653	47.46	AVG	4.54	52.00	54.00	180	235	-2.00	



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Site: Chamber

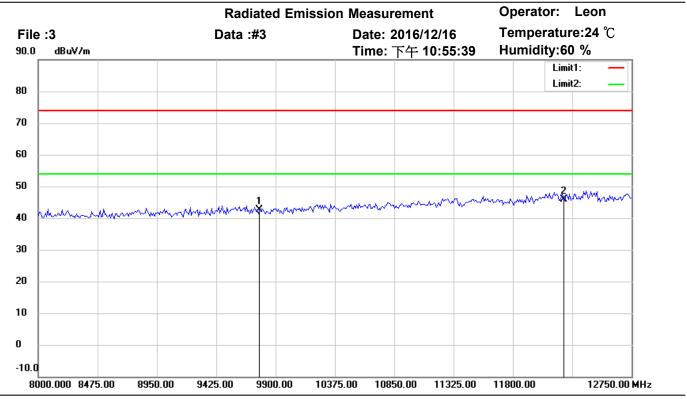
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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
	4881.764	58.41	peak	-0.49	57.92	74.00	155	177	-16.08	
	4881.764	50.16	AVG	-0.49	49.67	54.00	155	177	-4.33	
	7326.653	54.03	peak	4.54	58.57	74.00	150	230	-15.43	
*	7326.653	47.69	AVG	4.54	52.23	54.00	150	230	-1.77	



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Site: Chamber

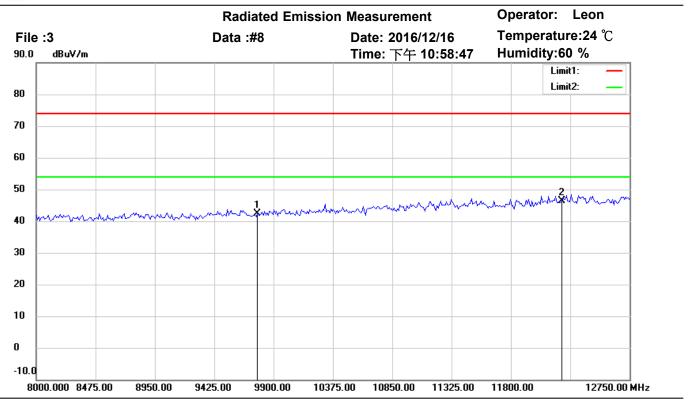
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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	35.22	peak	7.51	42.73	74.00	150	270	-31.27	
*	12205.000	31.96	peak	13.80	45.76	74.00	150	160	-28.24	



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Site: Chamber

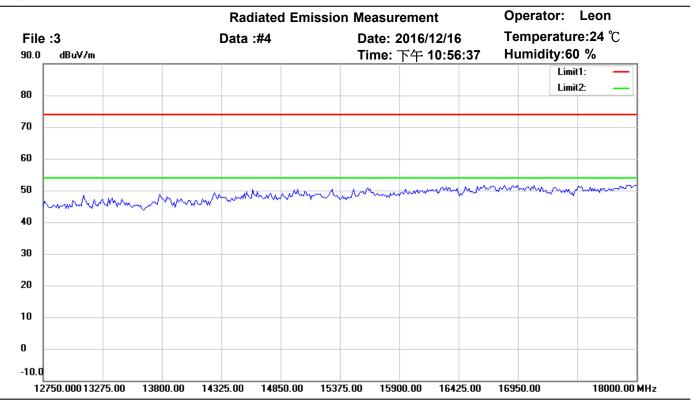
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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	34.80	peak	7.51	42.31	74.00	150	65	-31.69	
*	12205.000	32.70	peak	13.80	46.50	74.00	150	90	-27.50	



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Site: Chamber

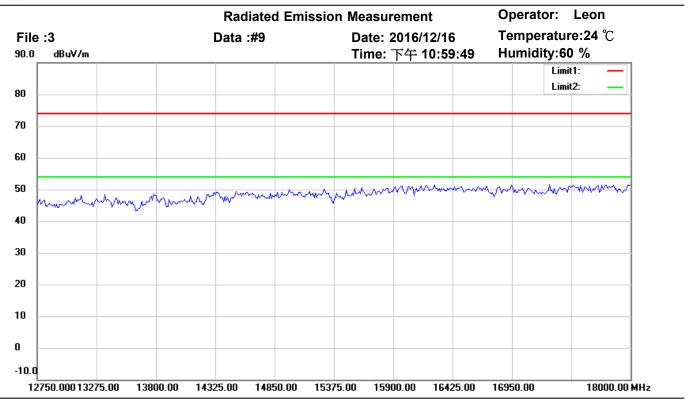
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

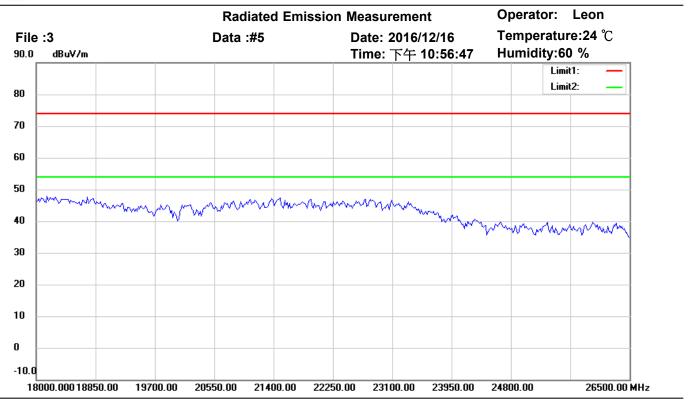
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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)	



Tel:+886-2-6606-8877 Fax:+886-2-6606-8875



Site: Chamber

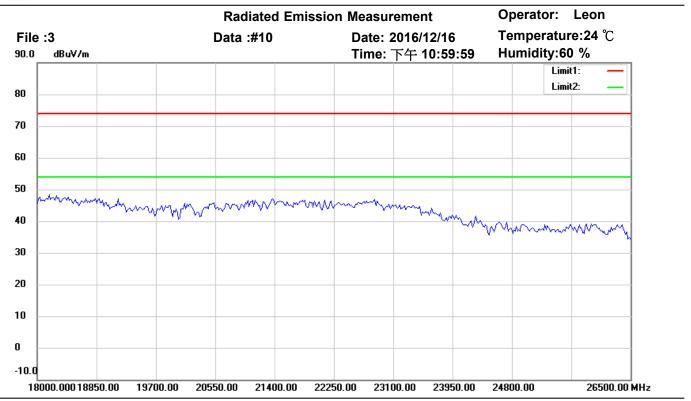
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

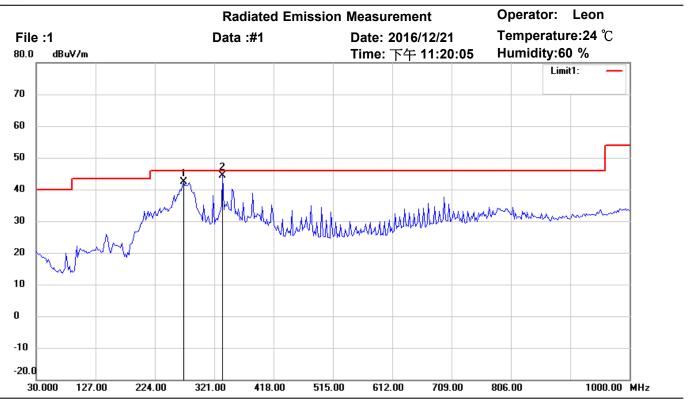
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

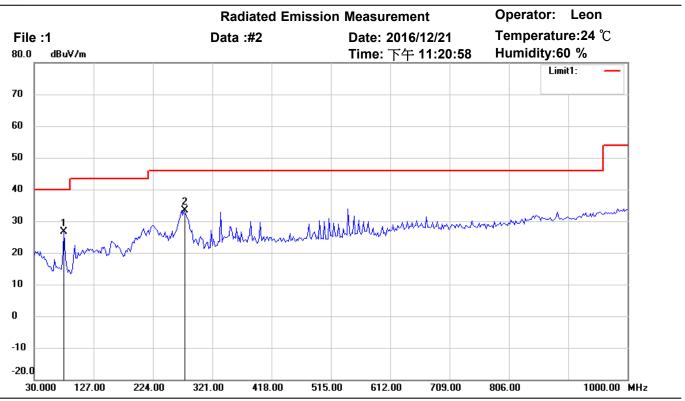
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Horizontal

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
	271.0421	48.62	peak	-6.20	42.42	46.00	150	35	-3.58	
*	335.1904	49.35	peak	-4.87	44.48	46.00	150	60	-1.52	



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Site: Chamber

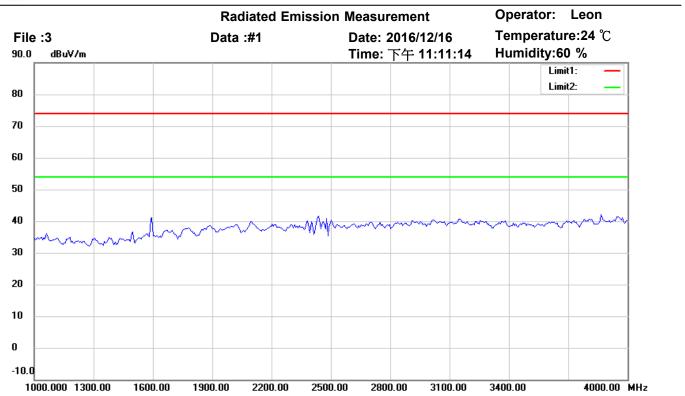
Condition: FCC\_part 15 RE-Class C\_30-1000MHz Polarization: Vertical

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
	78.5972	39.61	peak	-13.03	26.58	40.00	150	130	-13.42	
*	274.9300	39.52	peak	-6.12	33.40	46.00	150	15	-12.60	



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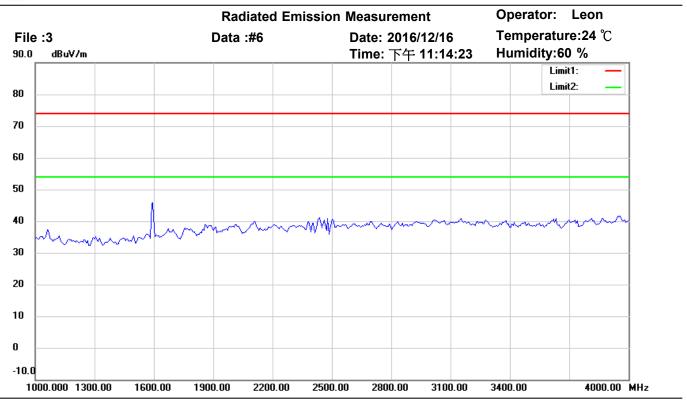
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

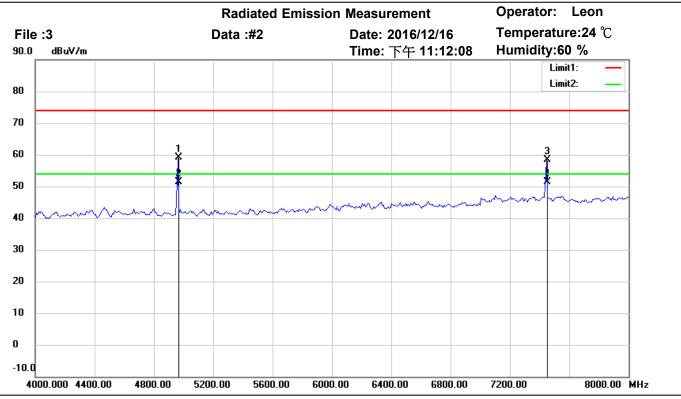
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

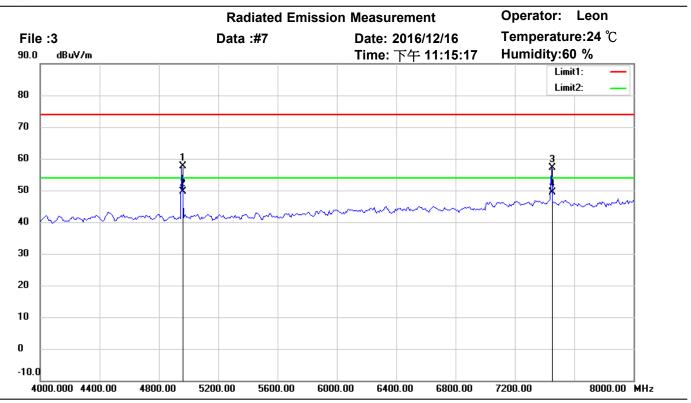
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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
	4961.924	59.22	peak	-0.13	59.09	74.00	240	235	-14.91	
*	4961.924	51.63	AVG	-0.13	51.50	54.00	240	235	-2.50	
	7446.894	53.52	peak	4.87	58.39	74.00	175	190	-15.61	
	7446.894	46.57	AVG	4.87	51.44	54.00	175	190	-2.56	



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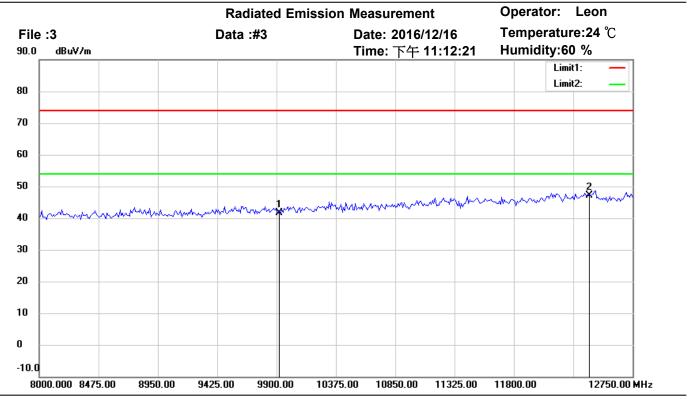
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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
	4953.908	57.69	peak	-0.17	57.52	74.00	150	197	-16.48	
*	4953.908	49.76	AVG	-0.17	49.59	54.00	150	197	-4.41	
	7446.894	52.38	peak	4.87	57.25	74.00	150	220	-16.75	
	7446.894	44.53	AVG	4.87	49.40	54.00	150	220	-4.60	



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Site: Chamber

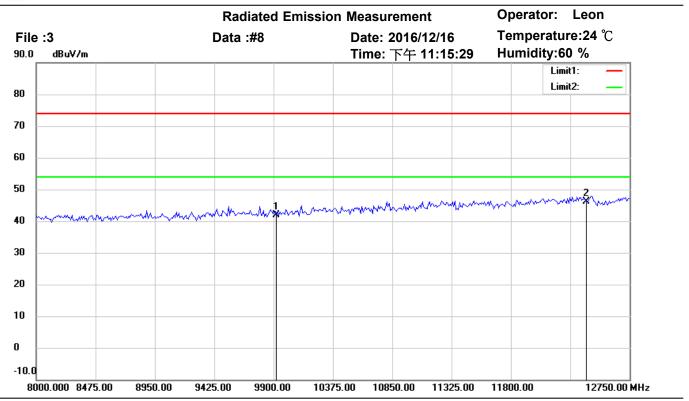
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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
	9920.000	33.74	peak	7.83	41.57	74.00	150	65	-32.43	
*	12400.000	33.22	peak	13.99	47.21	74.00	150	90	-26.79	



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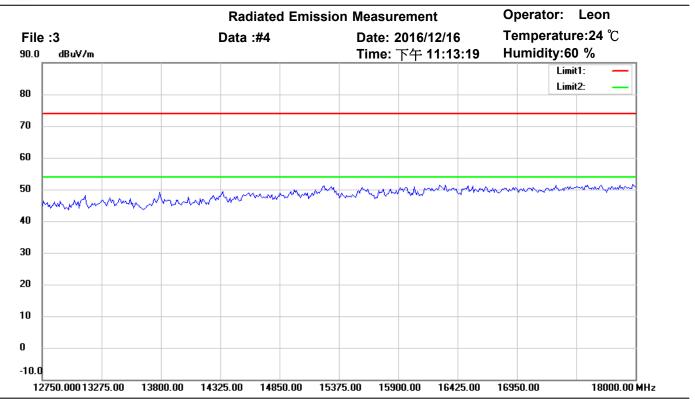
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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	34.15	peak	7.83	41.98	74.00	150	275	-32.02	
*	12400.000	32.19	peak	13.99	46.18	74.00	150	140	-27.82	



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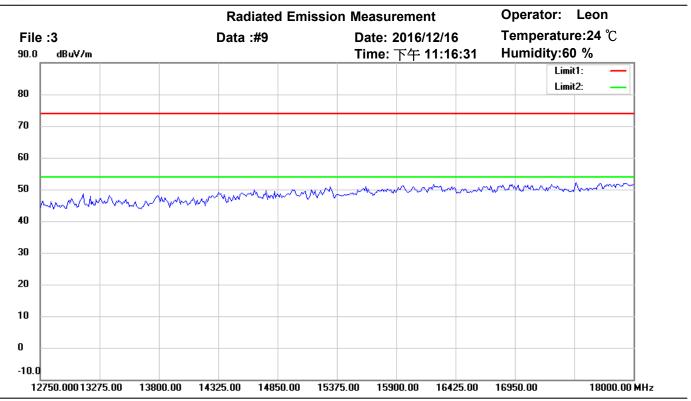
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

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

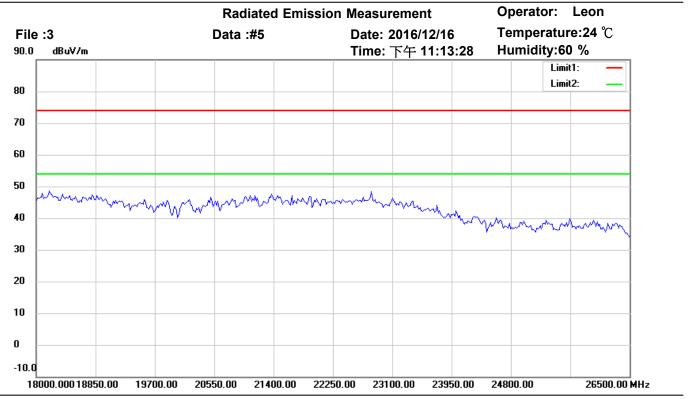
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

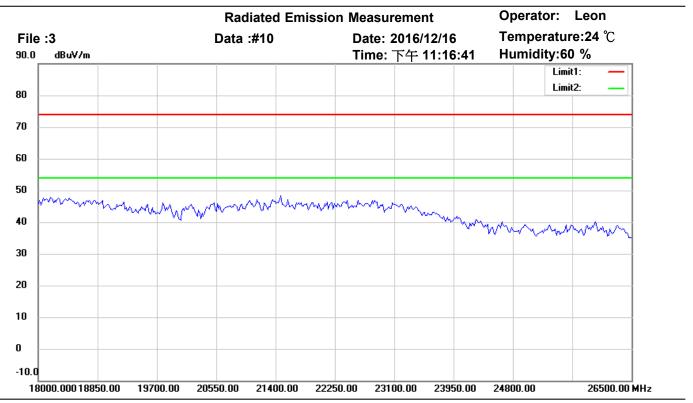
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Horizontal

Test Mode: TX 2480MHz

	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

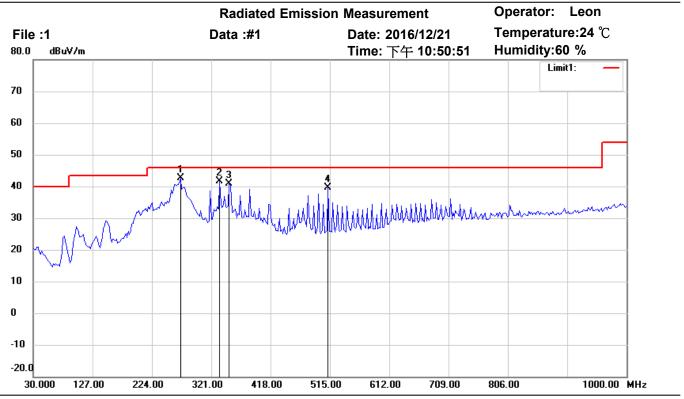
Condition: FCC\_part 15 RE-Class C\_Above 1GHz\_PK Polarization: Vertical

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

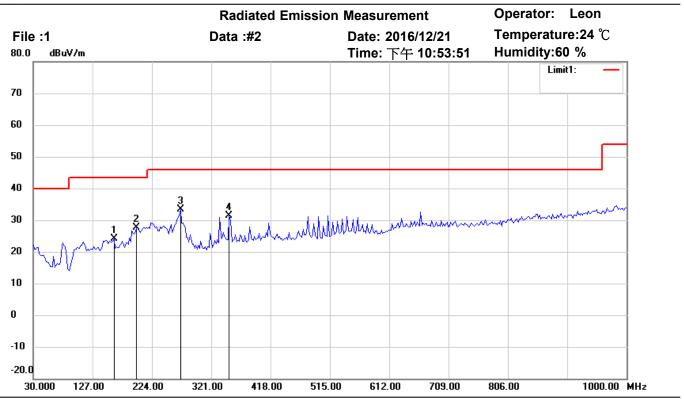
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

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
*	271.0421	48.85	peak	-6.20	42.65	46.00	150	185	-3.35	
	335.1904	46.44	peak	-4.87	41.57	46.00	150	90	-4.43	
	350.7415	45.39	peak	-4.55	40.84	46.00	150	135	-5.16	
	512.0842	41.91	peak	-2.28	39.63	46.00	150	220	-6.37	



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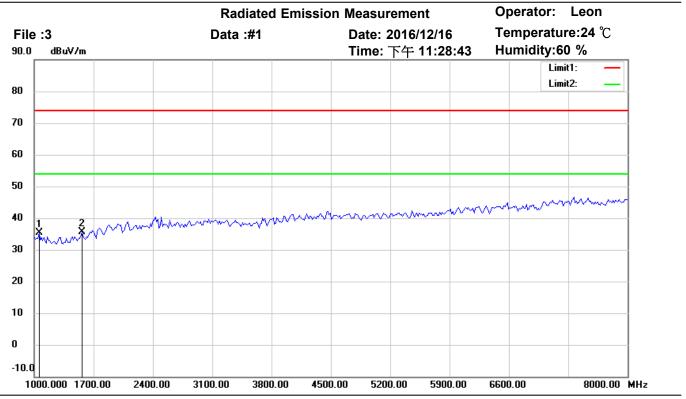
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

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
	162.1844	33.27	peak	-9.08	24.19	43.50	150	135	-19.31	
	199.1182	37.91	peak	-10.34	27.57	43.50	150	60	-15.93	
*	271.0421	39.63	peak	-6.20	33.43	46.00	150	95	-12.57	
	350.7415	35.97	peak	-4.55	31.42	46.00	150	110	-14.58	



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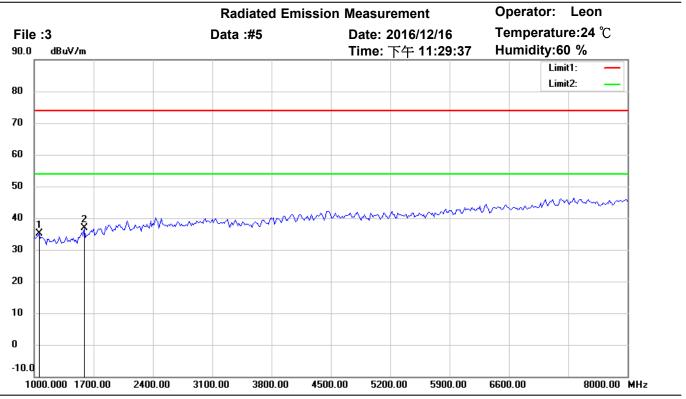
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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
	1056.112	43.69	peak	-8.35	35.34	74.00	100	55	-38.66	
*	1561.122	44.12	peak	-8.56	35.56	74.00	100	160	-38.44	



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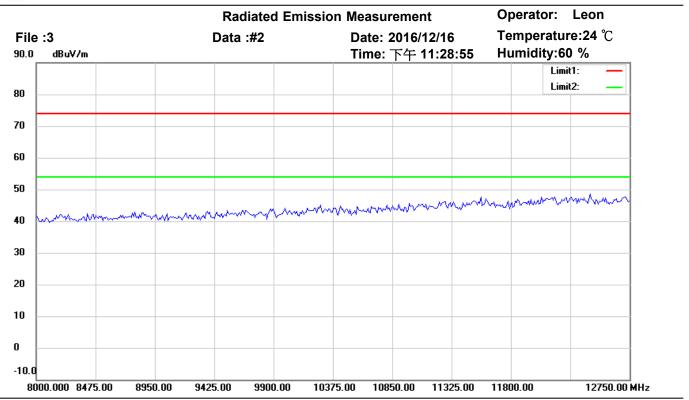
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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
	1056.112	43.55	peak	-8.35	35.20	74.00	100	75	-38.80	
*	1589.178	45.06	peak	-8.29	36.77	74.00	100	90	-37.23	



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Site: Chamber

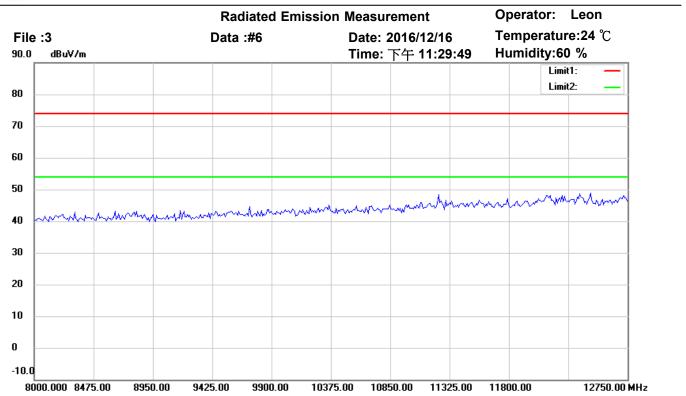
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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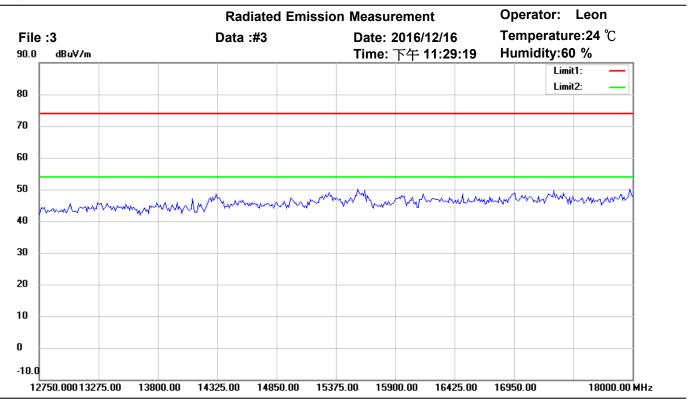
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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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Site: Chamber

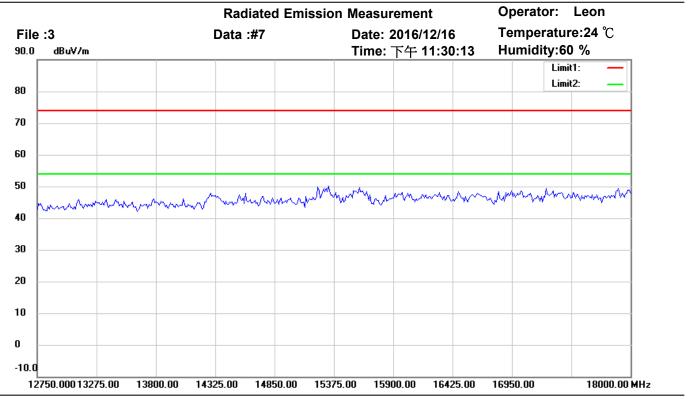
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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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Site: Chamber

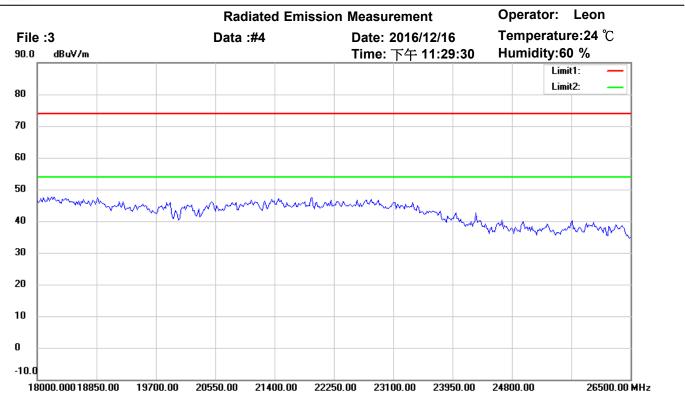
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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

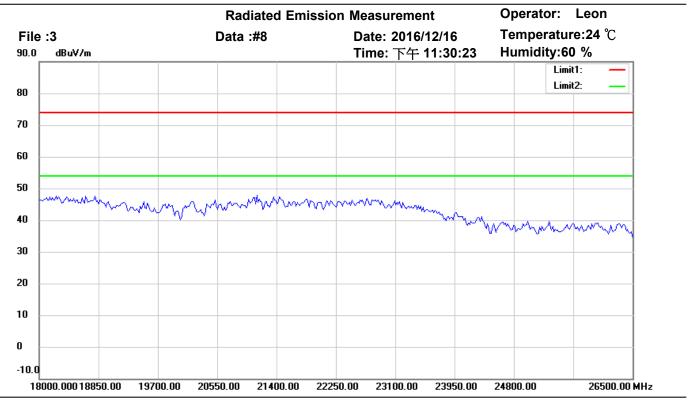
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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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Site: Chamber

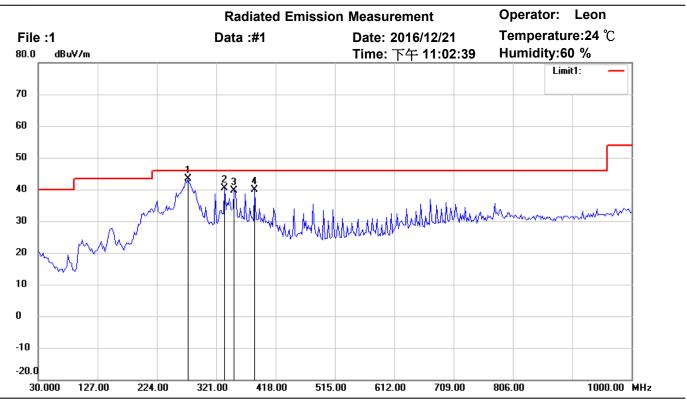
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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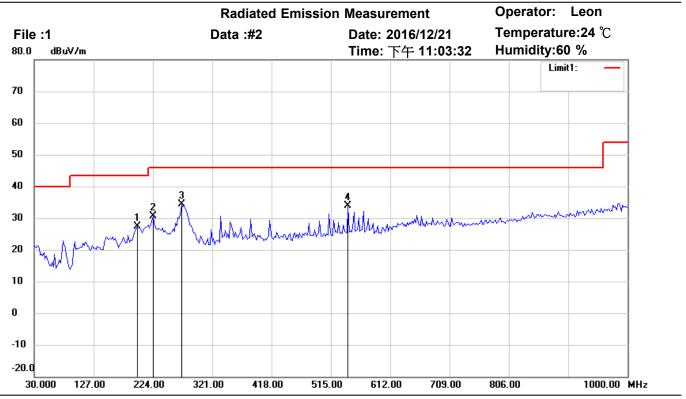
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

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
*	274.9297	49.41	peak	-6.12	43.29	46.00	150	35	-2.71	
	335.1904	45.21	peak	-4.87	40.34	46.00	150	160	-5.66	
	350.7414	44.30	peak	-4.55	39.75	46.00	150	240	-6.25	
	383.7875	43.82	peak	-3.97	39.85	46.00	150	195	-6.15	



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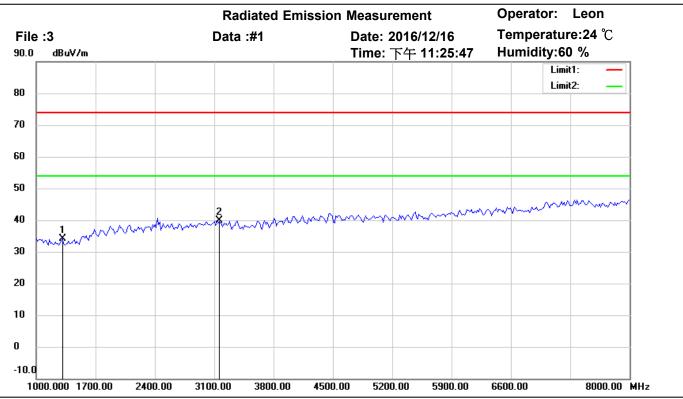
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

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
	199.1182	37.82	peak	-10.34	27.48	43.50	150	130	-16.02	
	224.3888	39.73	peak	-9.06	30.67	46.00	150	40	-15.33	
*	271.0421	40.53	peak	-6.20	34.33	46.00	150	75	-11.67	
	543.1864	35.22	peak	-1.33	33.89	46.00	150	85	-12.11	



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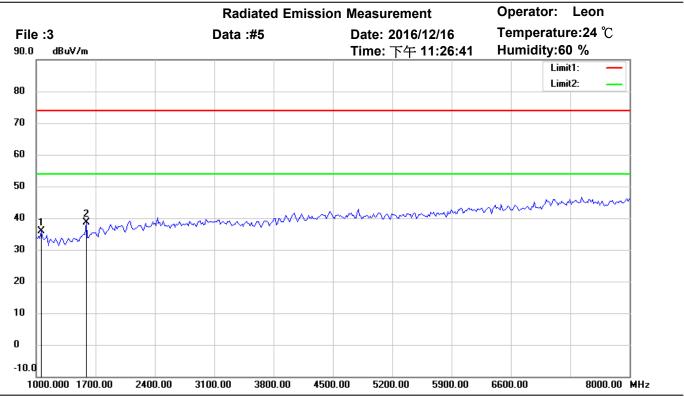
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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
	1308.617	43.40	peak	-9.33	34.07	74.00	100	145	-39.93	
*	3146.293	42.59	peak	-2.81	39.78	74.00	100	60	-34.22	



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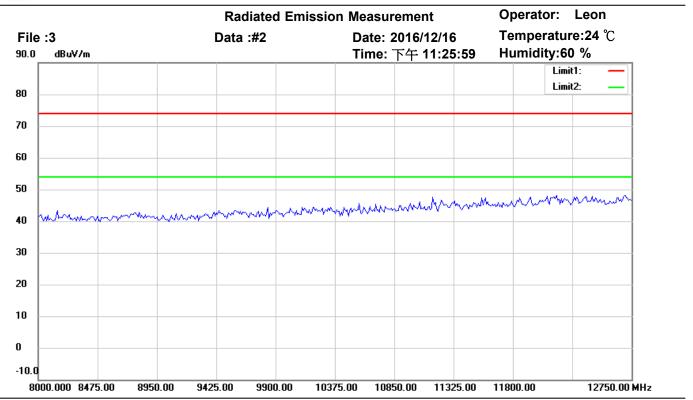
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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
	1056.112	44.29	peak	-8.35	35.94	74.00	100	160	-38.06	
*	1589.178	46.88	peak	-8.29	38.59	74.00	100	95	-35.41	



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Site: Chamber

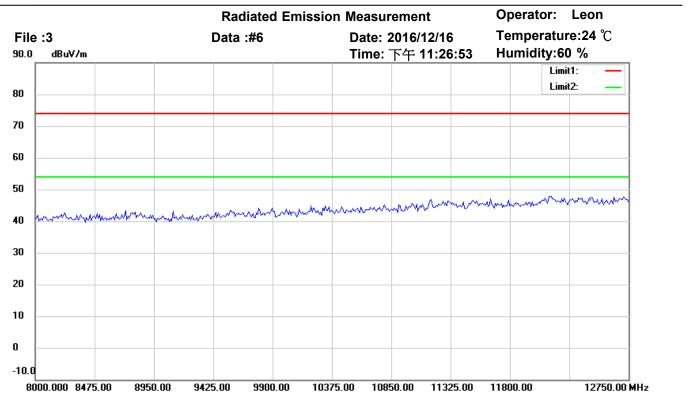
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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

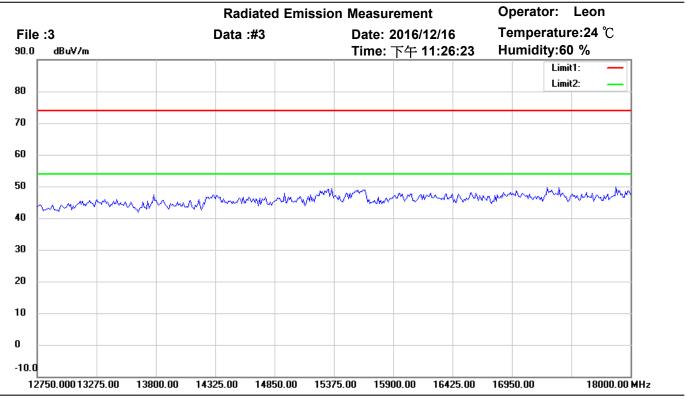
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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

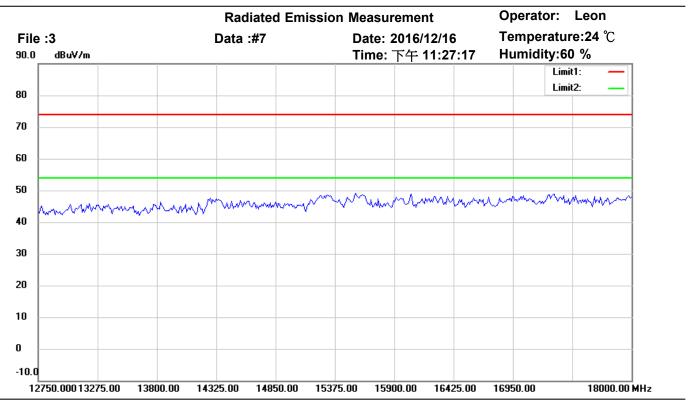
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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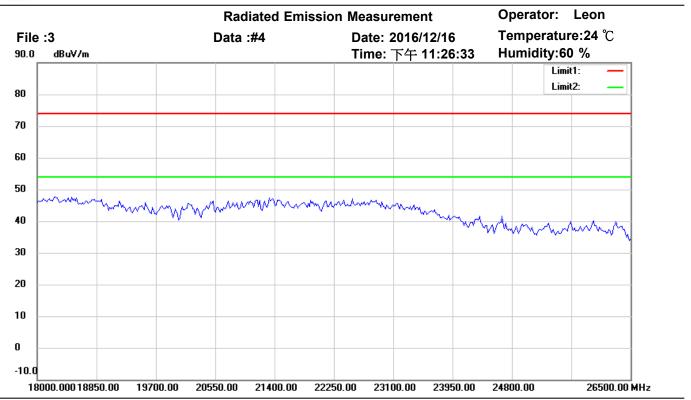
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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

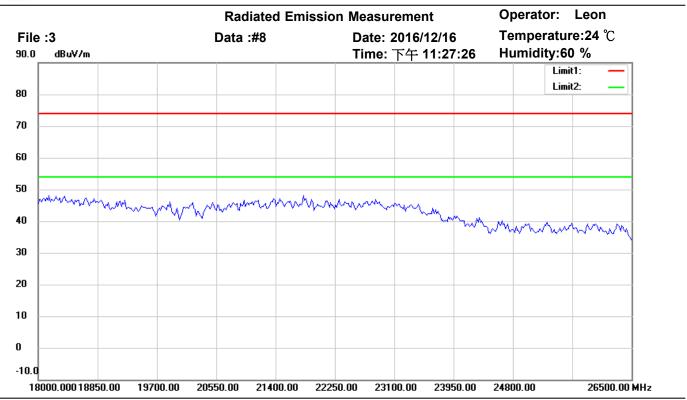
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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

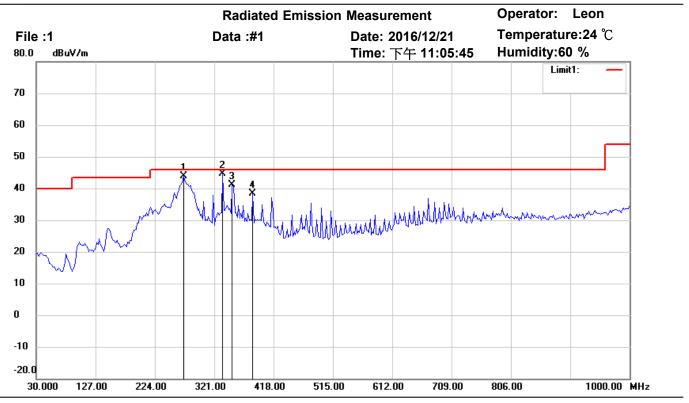
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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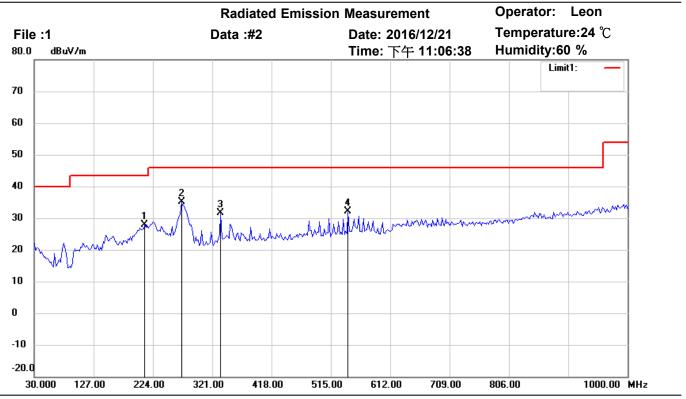
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Horizontal

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
	271.0421	50.06	peak	-6.20	43.86	46.00	150	160	-2.14	
*	335.1904	49.51	peak	-4.87	44.64	46.00	150	255	-1.36	
	350.7414	45.77	peak	-4.55	41.22	46.00	150	95	-4.78	
	383.7875	42.27	peak	-3.97	38.30	46.00	150	130	-7.70	



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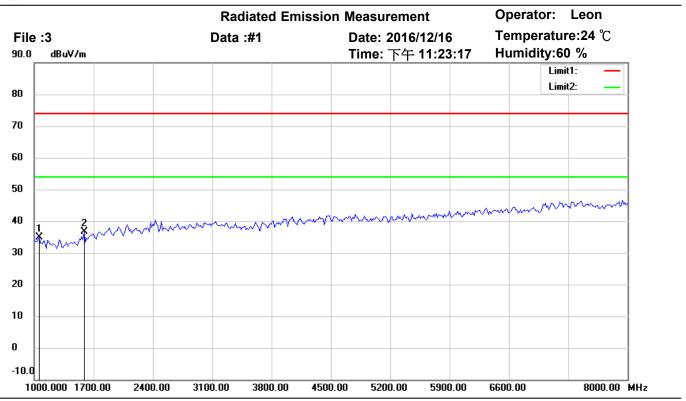
Condition: FCC\_part 15 RE-Class B\_30-1000MHz Polarization: Vertical

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
	210.7816	37.62	peak	-9.84	27.78	43.50	150	80	-15.72	
*	271.0421	41.28	peak	-6.20	35.08	46.00	150	155	-10.92	
	335.1904	36.57	peak	-4.87	31.70	46.00	150	175	-14.30	
	543.1864	33.47	peak	-1.33	32.14	46.00	150	20	-13.86	



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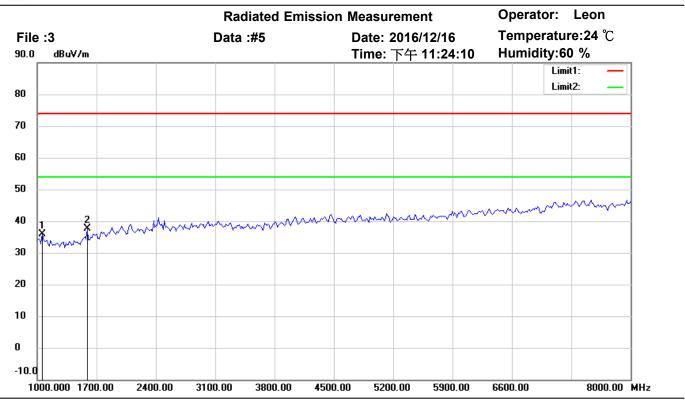
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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
	1056.112	43.16	peak	-8.35	34.81	74.00	100	90	-39.19	
*	1589.178	44.94	peak	-8.29	36.65	74.00	100	175	-37.35	



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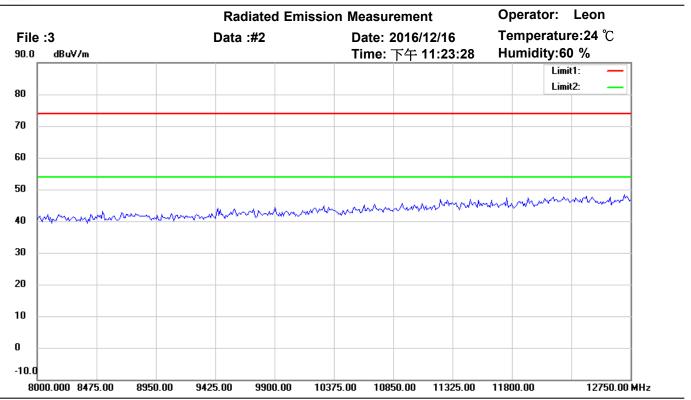
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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
	1056.112	44.19	peak	-8.35	35.84	74.00	100	255	-38.16	
*	1589.178	45.88	peak	-8.29	37.59	74.00	100	190	-36.41	



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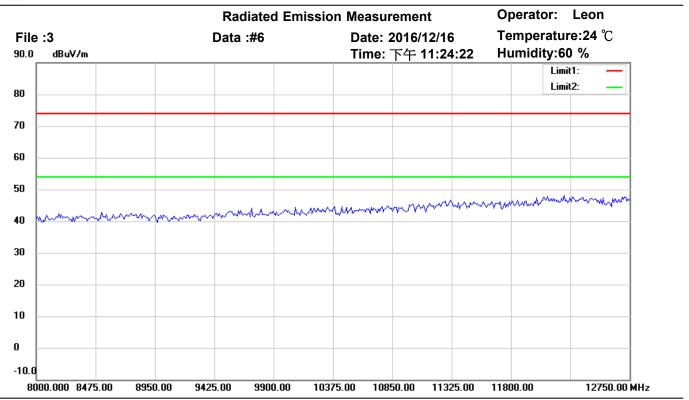
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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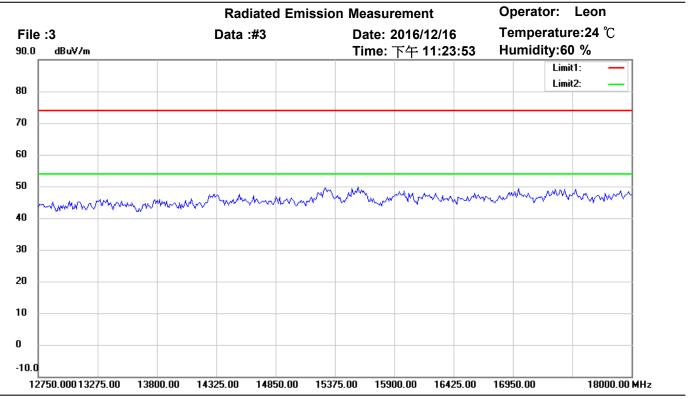
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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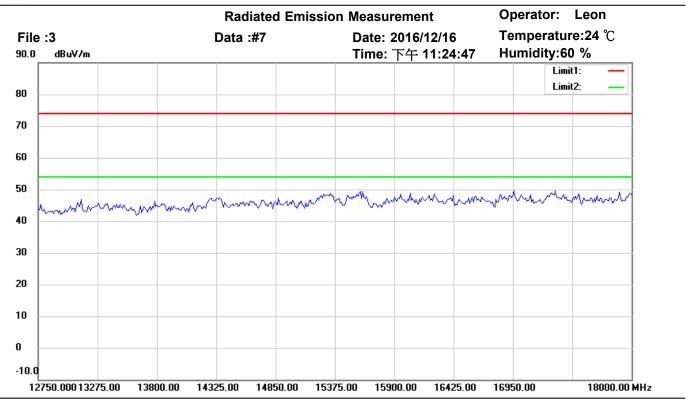
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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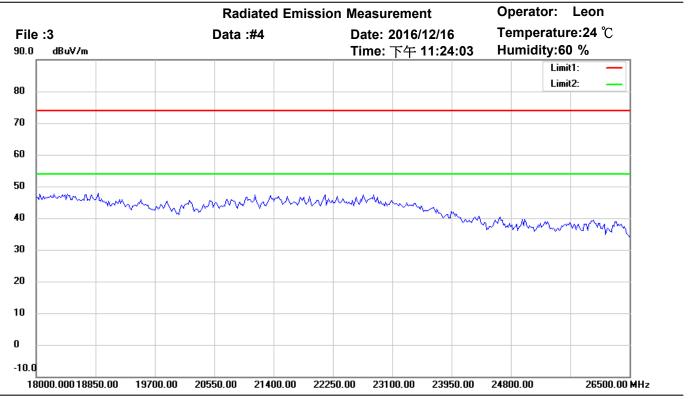
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Vertical

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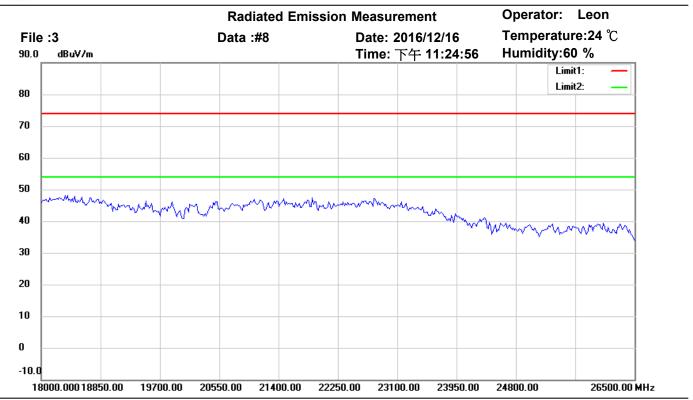
Condition: FCC\_part 15 RE-Class B\_Above 1GHz\_PK Polarization: Horizontal

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)	