FCC PART 15 SUBPART C TEST REPORT

for

Audio Driver Board with BT

Model No.: CS63024-00

FCC ID: 2ANCG-CS63024-00

of

Applicant: CoreStar Co., Ltd

Address: 6F-1, No 447, Wen Hsin Rd., Sec. 3, Beitun Distruct,

Taichung City, 40667 Taiwan

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.: W6M21706-17049-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: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

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FCC ID: 2ANCG-CS63024-00 **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:

August 25, 2017 Sora Guo

Date WTS-Lab. Name Signature

Technical responsibility for area of testing:

August 25, 2017 Kevin Wang Cerin Wang

Date WTS Name Signature



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00 **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: CoreStar Co., Ltd

Street: 6F-1, No 447, Wen Hsin Rd., Sec. 3, Beitun Distruct,

Town: Taichung City, 40667

Country: Taiwan

Telephone: +886 4 3703 6518 Fax: +886 4 3703 6508

FCC ID: 2ANCG-CS63024-00 **1.4** Application details

Date of receipt of test item: August 2, 2017

Date of test: from August 3, 2017 to August 25, 2017

1.5 General information of Test item

Type of test item: Audio Driver Board with BT

Model Number: CS63024-00

Multi-listing model number: ./.

Photos: see Annex

Technical data

Frequency band: 2402-2480 MHz

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

Transmitter Unom

Normal Mode

Power (ch 0): Conducted: 3.26 dBm Power (ch 39): Conducted: 4.85 dBm Power (ch 78): Conducted: 5.97 dBm

EDR Mode

Power (ch 0): Conducted: 1.69 dBm Power (ch 39): Conducted: 4.11 dBm Power (ch 78): Conducted: 5.25 dBm

Power supply: Adaptor: I/P: 100-240Va.c., 50-60Hz, 0.8A

O/P: 15Vd.c., 1.2A

Operation modes: duplex

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

Antenna Type: Chip antenna

Antenna gain: 0 dBi

Host device: none



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Classification:

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

Manufacturer: (if applicable)

Name: CoreStar Co., Ltd

Street: 6F-1, No 447, Wen Hsin Rd., Sec. 3, Beitun Distruct,

Town: Taichung City,40667

Country: Taiwan

Additional information: ./.

1.6 Test standards

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

2 Technical test

2.1 Summary of test results

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

or

The deviations as specified in 3 were ascertained in the course of the tests \Box performed.

2.2 Test environment

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply Adaptor: I/P: 100-240Va.c., 50-60Hz, 0.8A

O/P: 15Vd.c., 1.2A

Extreme conditions parameters: test voltage: -- extreme

min : -- V max : -- V

×



Registration number: W6M21706-17049-C-1

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Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty: 0.74 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz: 2.17 dB 30-1000 MHz: 3.30 dB 1-18 GHz: 2.28 dB 18-40 GHz: 2.19 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: 1.09 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: 0.074 ms



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00 **2.3 Test Equipment List**

No. Test equipment		Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	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	2016/10/13	2017/10/12
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	2016/9/12	2017/9/11
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	2017/7/3	2018/7/2
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	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	2017/2/7	2018/2/6
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	2017/3/1	2018/2/28
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2017/3/1	2018/2/28
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2017/3/1	2018/2/28
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2017/3/1	2018/2/28
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2017/3/1	2018/2/28
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	HP	2016/9/8	2017/9/7
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2016/9/20	2017/9/19
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2017/4/6	2018/4/5
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2017/3/1	2018/2/28
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	2017/1/12	2018/1/11
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Functi	on test
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2017/5/26	2018/5/25



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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	2017/3/1	2018/2/28
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 143	Humidity Temperature Meter	TES-1260	110104623	TES	2017/8/9	2018/8/8
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2017/3/22	2018/3/21
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	2017/2/24	2018/2/23
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2017/2/10	2018/2/9
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2016/12/15	2017/12/14
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849- 822/851-40 /12+9SS	3	WI	2017/1/12	2018/1/11
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748- 1743/1752-32/5SS	1	WI	2017/1/12	2018/1/11
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5 -1875.5/1884.5- 32/5SS	3	WI	2017/1/12	2018/1/11
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1- 904.25-50/8SS	1	WI	2017/1/12	2018/1/11
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	2017/2/23	2018/2/22
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2017/2/23	2018/2/22
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	2017/3/1	2018/2/28
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	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	2017/3/1	2018/2/28
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	2017/2/20	2018/2/19
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	2016/9/12	2017/9/11
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM- NM-25000	170239	EMCI	2017/2/20	2018/2/19
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version E	TS-03A1
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9	9.161014
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version	2.0.0.1

FCC ID: 2ANCG-CS63024-00 **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.

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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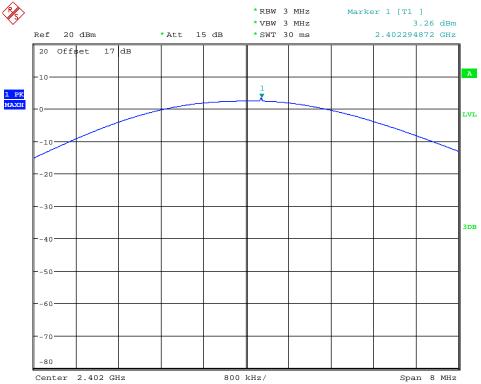
3.1 Peak Output Power (transmitter)

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



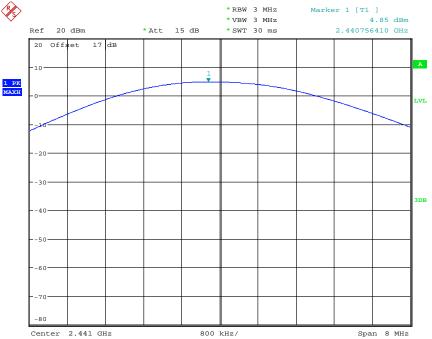
MAX OUTPUT POWER CH0

Date: 24.AUG.2017 10:57:46

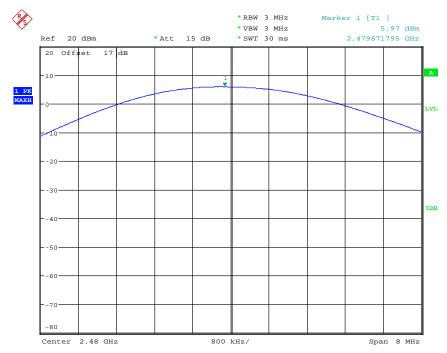


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MAX OUTPUT POWER CH39
Date: 24.AUG.2017 10:58:18



MAX OUTPUT POWER CH78

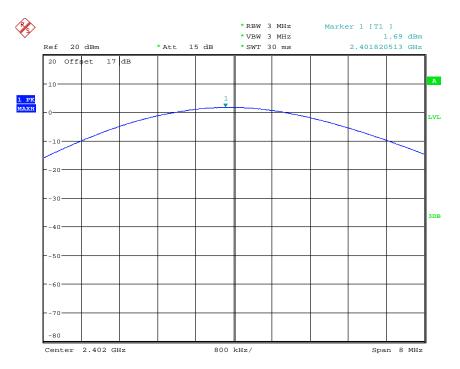
Date: 24.AUG.2017 10:58:38



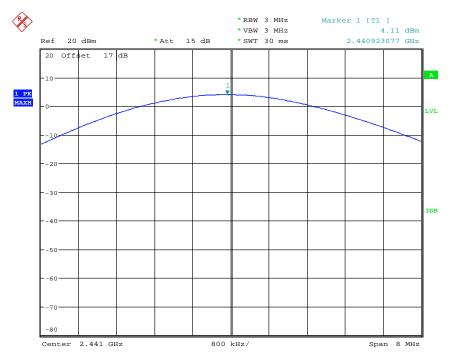
Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

EDR mode



MAX OUTPUT POWER CH0 EDR MODE Date: 24.AUG.2017 11:03:58

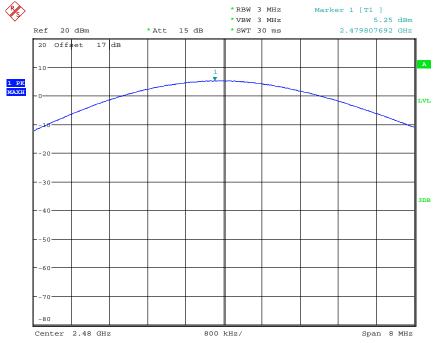


MAX OUTPUT POWER CH39 EDR MODE Date: 24.AUG.2017 11:04:30



Registration number: W6M21706-17049-C-1

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MAX OUTPUT POWER CH78 EDR MODE Date: 24.AUG.2017 11:04:50

Maximum Peak Output Power

Limits:

Frequency	Number of hopping channels							
MHz	≥ 75	≥ 50	49 ≥ 25	74 ≥ 15				
902-928	1	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

According to Supplement C, Edition 01-01 to OET Bulletin 65, Edition 97-01 this spread spectrum transmitter is categorically excluded from routine environmental evaluation because of the low power level, where there is a high likelihood of compliance with RF exposure standards.

The antenna used for this Bluetooth transceiver module must not be co-located or operating in conjunction with any other antenna or transmitter.

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: 2ANCG-CS63024-00

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: 2ANCG-CS63024-00 **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: CS63024-00 Date: -- °C

Mode: TX 2402MHz Temperature: -- °C

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	Reading (dBuV)		Factor (dB)	Result	(dBuV/m)		mit V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
		1						1	1	

Engineer:



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

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)	Result	(dBuV/m)		mit V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
		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 = ± 3.3 dB, 1-18 GHz = ± 2.28 dB, 18-40 GHz = ± 2.19 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.

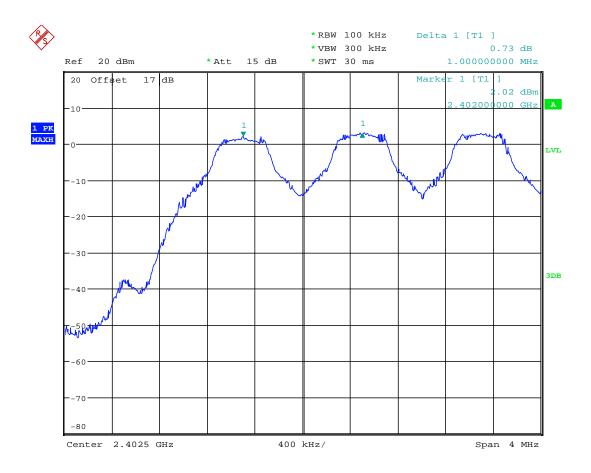
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147 ,ETSTW-RE 064, ETSTW-RE 088, ETSTW-RE 018

FCC ID: 2ANCG-CS63024-00

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.

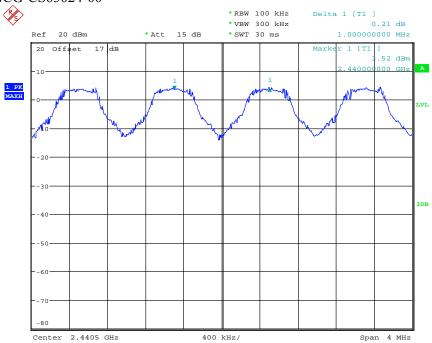


FREQUENCY SEPARATION CH0
Date: 24.AUG.2017 11:02:14

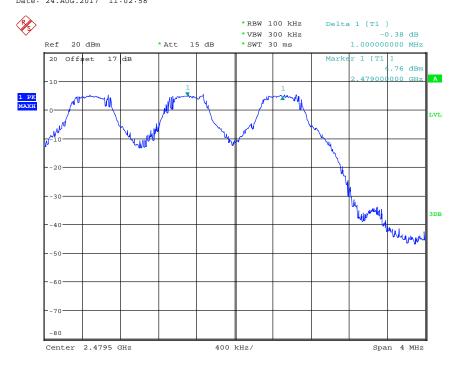


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



FREQUENCY SEPARATION CH39
Date: 24.AUG.2017 11:02:58



FREQUENCY SEPARATION CH78
Date: 24.AUG.2017 11:03:46



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

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		

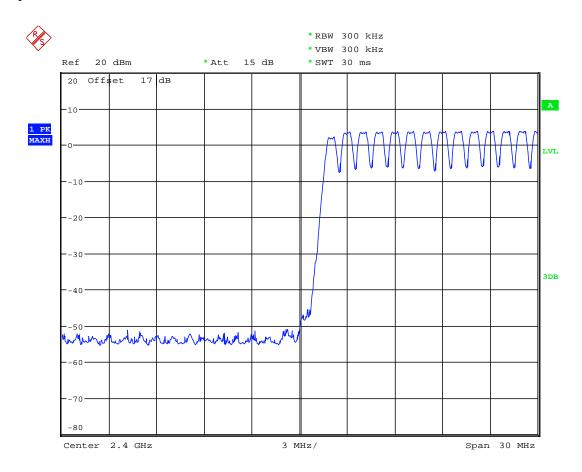
Test equipment used: ETSTW-RE 055, ETSTW-RE 064

FCC ID: 2ANCG-CS63024-00

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.

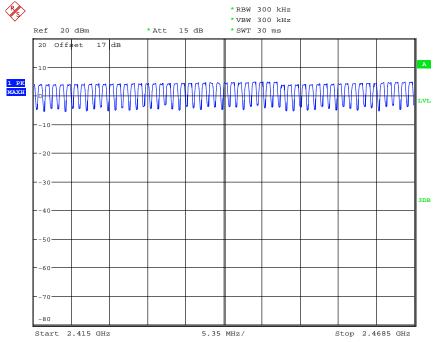


NUMBER OF HOPPING CH0-13 Date: 24.AUG.2017 10:59:34

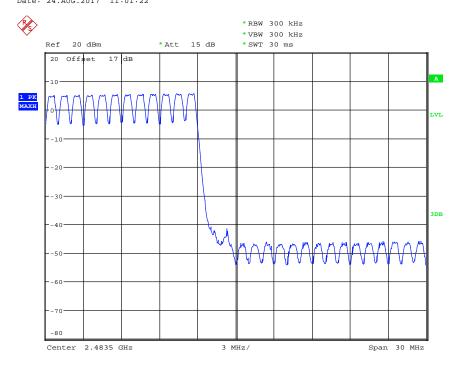


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



NUMBER OF HOPPING CH14-66
Date: 24.AUG.2017 11:01:22



NUMBER OF HOPPING CH67-78
Date: 24.AUG.2017 11:00:14



FCC ID: 2ANCG-CS63024-00

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.

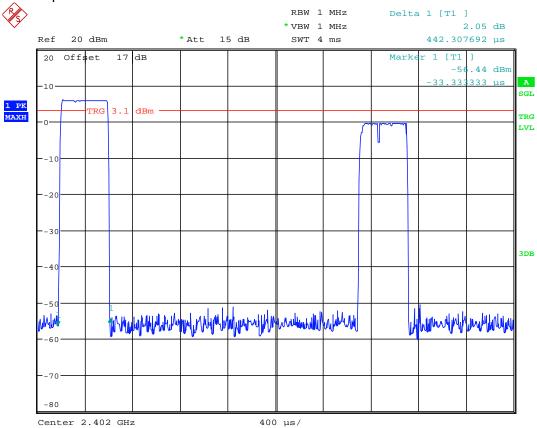
FCC ID: 2ANCG-CS63024-00

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.

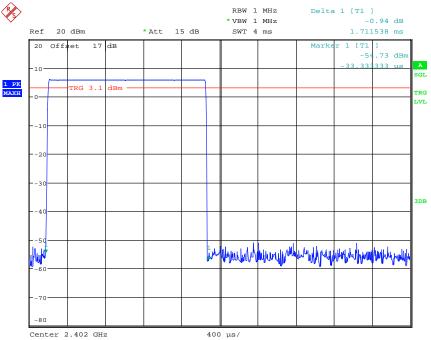


DWELL TIME CH0 DH1 (0.442ms * 320events = 141.44ms)
Date: 24.AUG.2017 11:30:20

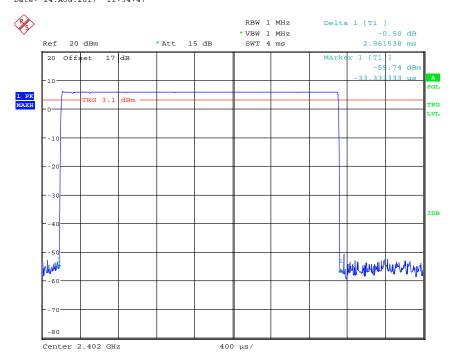


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



DWELL TIME CH0 DH3 (1.711ms * 160events = 273.76ms)
Date: 24.AUG.2017 11:34:47

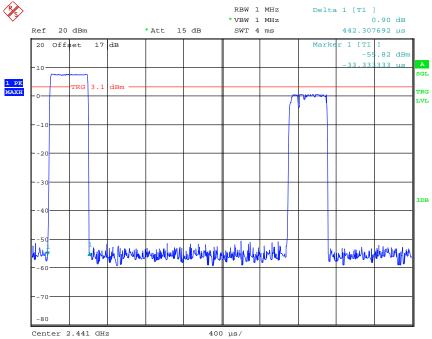


DWELL TIME CH0 DH5 (2.961ms * 106events = 313.866ms)
Date: 24.AUG.2017 11:37:20

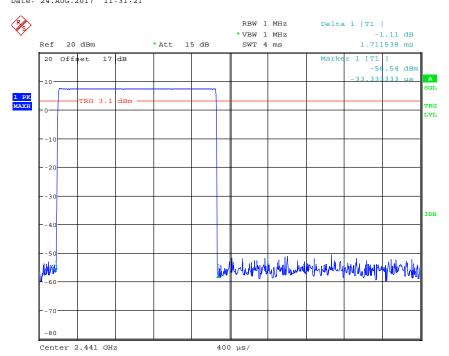


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



DWELL TIME CH39 DH1 (0.442ms * 320events = 141.44ms) Date: 24.AUG.2017 11:31:21

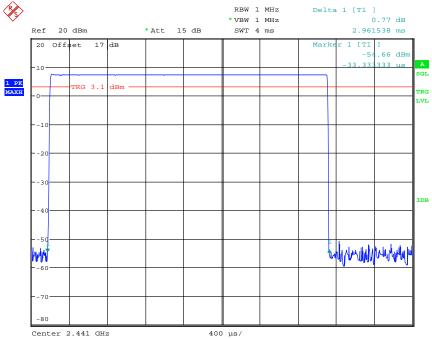


DWELL TIME CH39 DH3 (1.711ms * 160events = 273.76ms)
Date: 24.AUG.2017 11:35:13

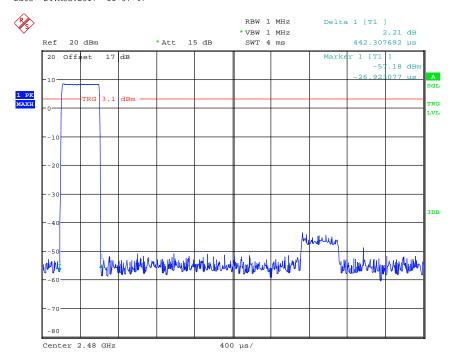


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



DWELL TIME CH39 DH5 (2.961ms * 106events = 313.866ms)
Date: 24.AUG.2017 11:37:47

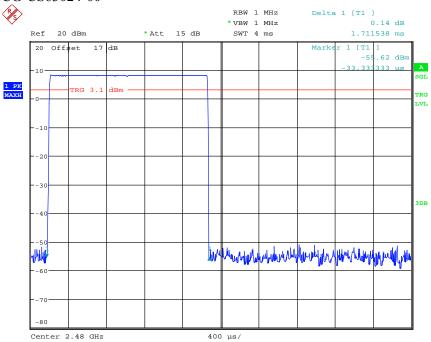


DWELL TIME CH78 DH1 (0.442ms * 320events = 141.44ms)
Date: 24.AUG.2017 11:32:39

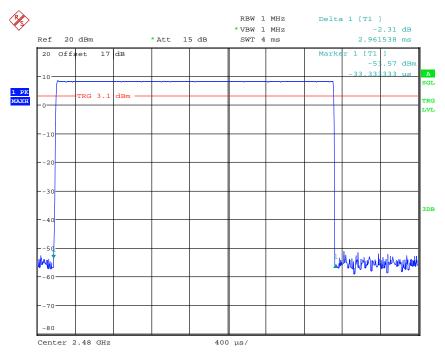


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



DWELL TIME CH78 DH3 (1.711ms * 160events = 273.76ms) Date: 24.AUG.2017 11:35:43



DWELL TIME CH78 DH5 (2.961ms * 106events = 313.866ms)
Date: 24.AUG.2017 11:38:16



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

Limits and measurement periods:

Frequency MHz	Number of channels	Measurement Periode	Limit
002 028	≥50	20 s	0.4 s
902 – 928	49 ≥ 25	10 s	0.4 s
$2400 - 2483.5 \ge 15$		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

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FCC ID: 2ANCG-CS63024-00 **3.9 20dB Bandwidth**

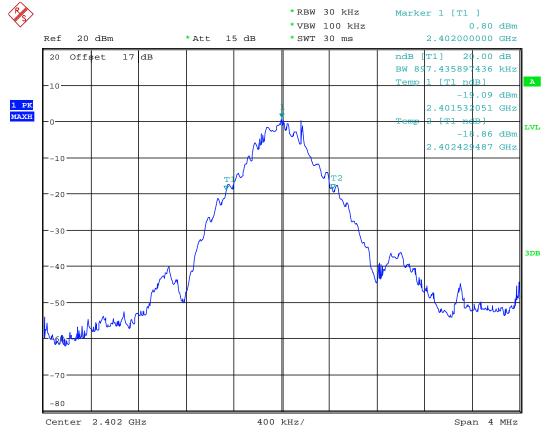
3.9 200B Bandwidth

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



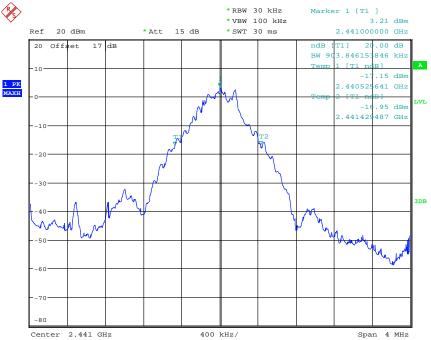
20DB BANDWIDTH CH0

Date: 24.AUG.2017 10:57:54

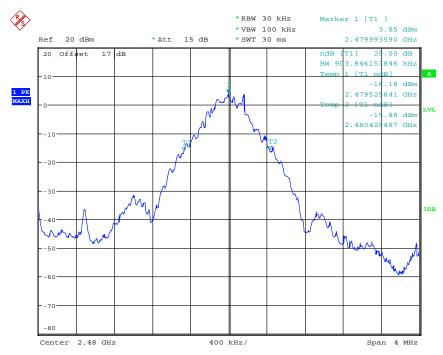


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



20DB BANDWIDTH CH39
Date: 24.AUG.2017 10:58:26



20DB BANDWIDTH CH78

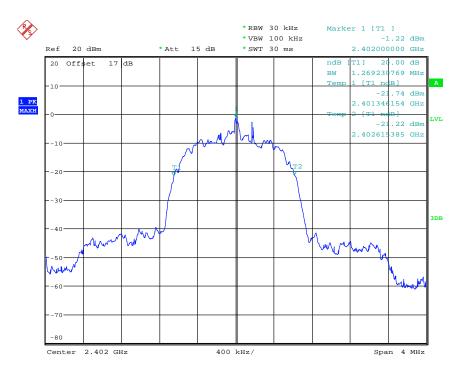
Date: 24.AUG.2017 10:58:46



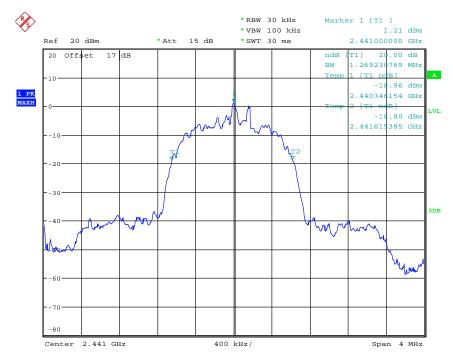
Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

EDR mode



20DB BANDWIDTH CH0 EDR MODE Date: 24.AUG.2017 11:04:06

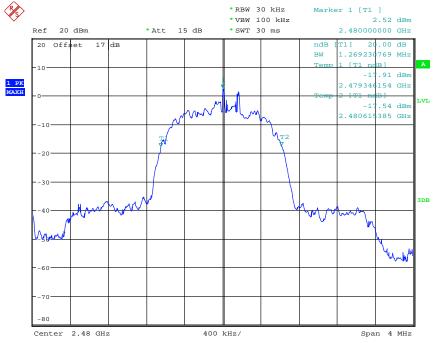


20DB BANDWIDTH CH39 EDR MODE Date: 24.AUG.2017 11:04:38



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



20DB BANDWIDTH CH78 EDR MODE Date: 24.AUG.2017 11:04:58

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: W6M21706-17049-C-1

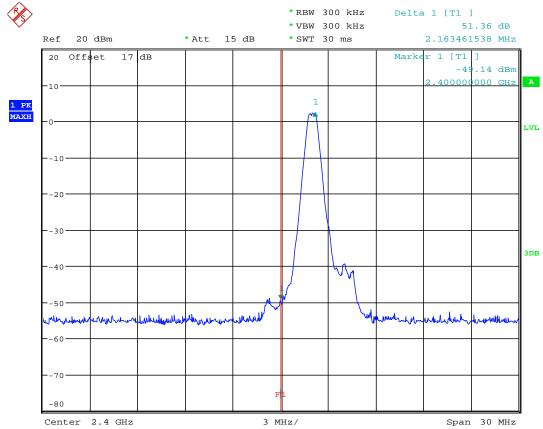
FCC ID: 2ANCG-CS63024-00

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



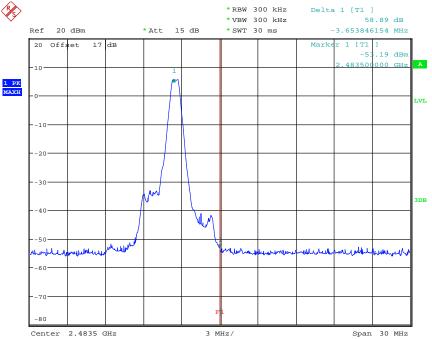
BANDEDGE CHO

Date: 24.AUG.2017 10:58:06

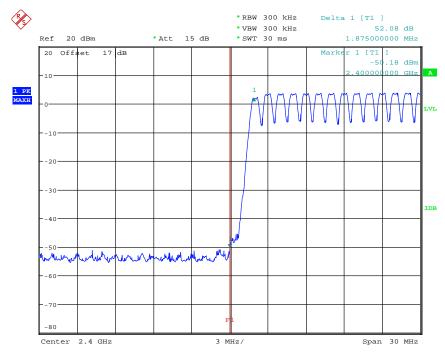


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00





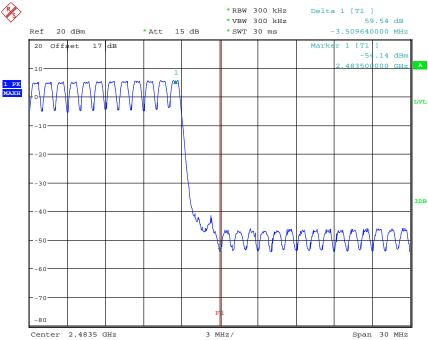


BANDEDGE CH0 HOPPING MODE Date: 24.AUG.2017 10:59:34



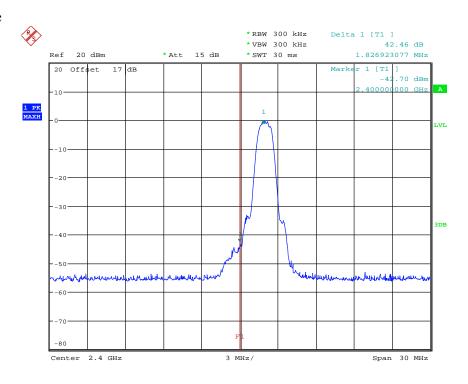
Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



BANDEDGE CH78 HOPPING MODE Date: 24.AUG.2017 11:00:14

EDR mode

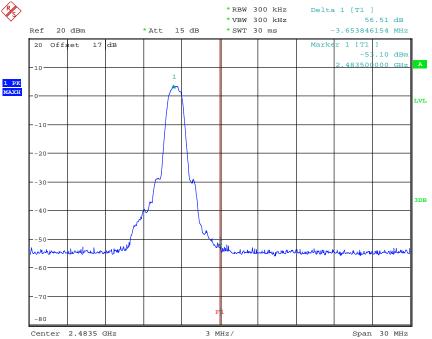


BANDEDGE CH0 EDR MODE
Date: 24.AUG.2017 11:04:14

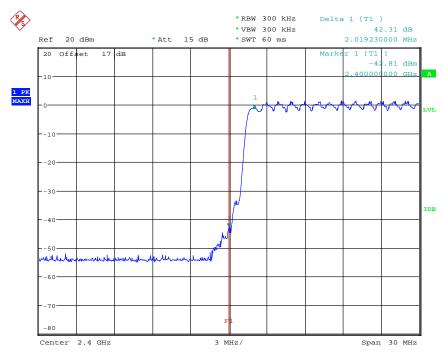


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



BANDEDGE CH78 EDR MODE
Date: 24.AUG.2017 11:05:10

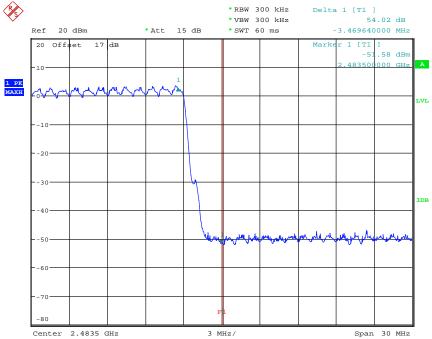


BANDEDGE CH0 EDR HOPPING MODE Date: 24.AUG.2017 11:06:58



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



BANDEDGE CH78 EDR HOPPING MODE Date: 24.AUG.2017 11:08:42

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: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

3.11 Radiated Emissions from Receiver Part

FCC Rule: 15.109

Summary table with radiated data of the test plots

Model: CS63024-00 Date: --

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

Polarization: Horizontal Humidity: -- %

Polarization.	Horizontai			numuity.		70		
Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
-			ŀ					

Polarization: Vertical

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

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

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

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. Measurement uncertainty for 3m measurement: 30-1000 MHz = ±3.30 dB, 1-18 GHz = ±2.28 dB, 18-40 GHz = ±2.19 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
- 5. Up Line: PK Limit Line, Down Line: Ave Limit Line.
- 6. See attached diagrams in appendix.

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



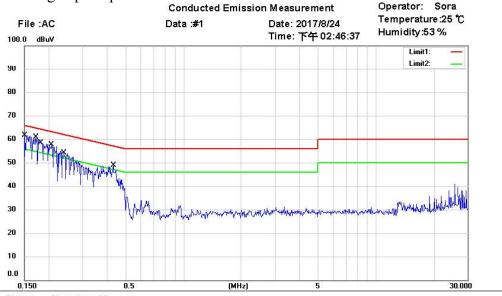
Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

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.



Site: Chamber_03

EUT: W6M21706-17049

Condition: FCC Part 15 Class B Conduction (QP)

Phase: Power: 120 Va.c.

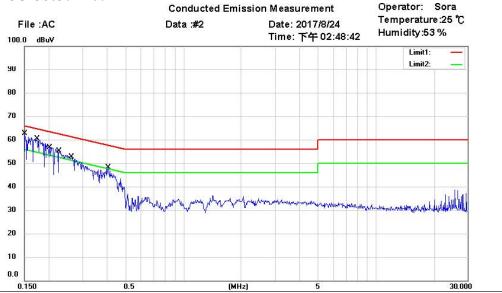
M/N: Test Mode: Note:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1500	40.75	QP	10.02	50.77	66.00	-15.23	
	0.1500	17.96	AVG	10.02	27.98	56.00	-28.02	
	0.1717	37.65	QP	10.02	47.67	64.88	-17.21	
	0.1717	17.40	AVG	10.02	27.42	54.88	-27.46	
	0.1838	36.34	QP	10.01	46.35	64.31	-17.96	
	0.1838	11.05	AVG	10.01	21.06	54.31	-33.25	
	0.2067	35.45	QP	10.01	45.46	63.34	-17.88	
	0.2067	13.85	AVG	10.01	23.86	53.34	-29.48	
	0.2391	32.35	QP	10.01	42.36	62.13	-19.77	
	0.2391	9.83	AVG	10.01	19.84	52.13	-32.29	
	0.4307	28.46	QP	10.01	38.47	57.24	-18.77	
	0.4307	16.79	AVG	10.01	26.80	47.24	-20.44	



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00



Phase:

Power: 120 Va.c.

Site: Chamber_03

Condition: FCC Part 15 Class B Conduction (QP)

EUT: W6M21706-17049

101 . WOM211

Test Mode : Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1501	40.69	QP	10.08	50.77	65.99	-15.22	
	0.1501	18.70	AVG	10.08	28.78	55.99	-27.21	
	0.1735	38.20	QP	10.08	48.28	64.79	-16.51	
	0.1735	18.42	AVG	10.08	28.50	54.79	-26.29	
	0.2030	35.71	QP	10.07	45.78	63.49	-17.71	
	0.2030	15.86	AVG	10.07	25.93	53.49	-27.56	
	0.2267	33.35	QP	10.06	43.41	62.57	-19.16	
	0.2267	13.76	AVG	10.06	23.82	52.57	-28.75	
	0.2620	29.49	QP	10.05	39.54	61.37	-21.83	
	0.2620	10.63	AVG	10.05	20.68	51.37	-30.69	
	0.4058	31.41	QP	10.01	41.42	57.73	-16.31	
*	0.4058	23.58	AVG	10.01	33.59	47.73	-14.14	

Limits:

Frequency of Emission (MHz)	Conducted I	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 = ± 0.74 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-RE 045.

Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

Appendix

A. Photos

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

B. Radiated Emission Measurement

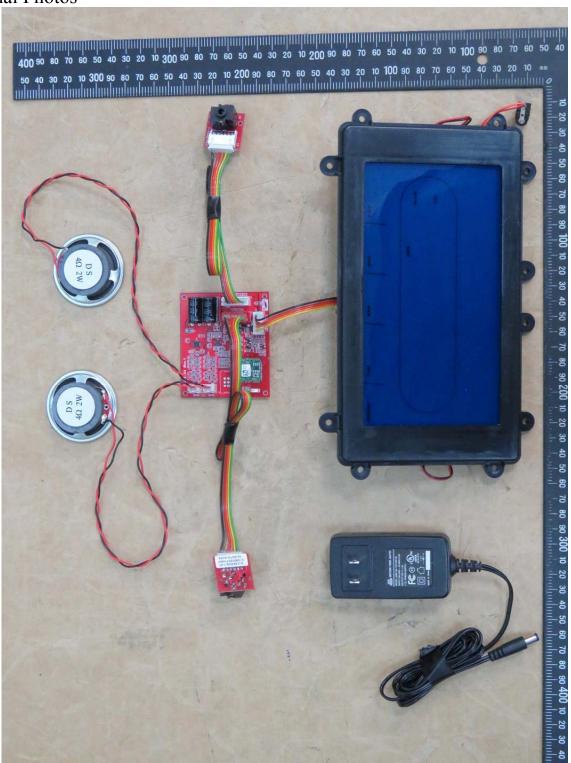


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

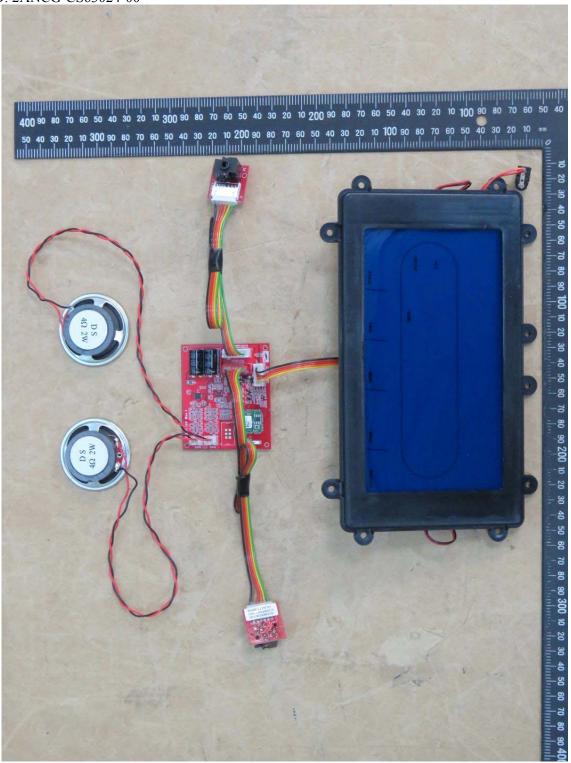
Photos

External Photos

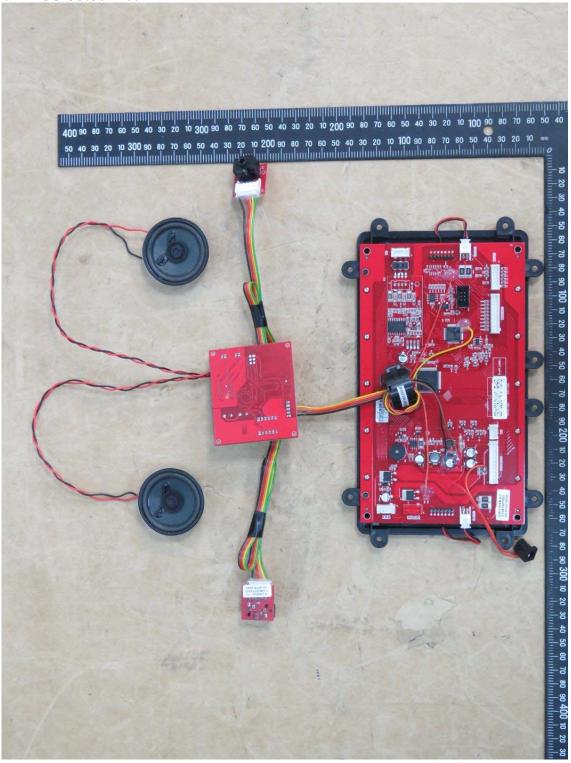




Registration number: W6M21706-17049-C-1

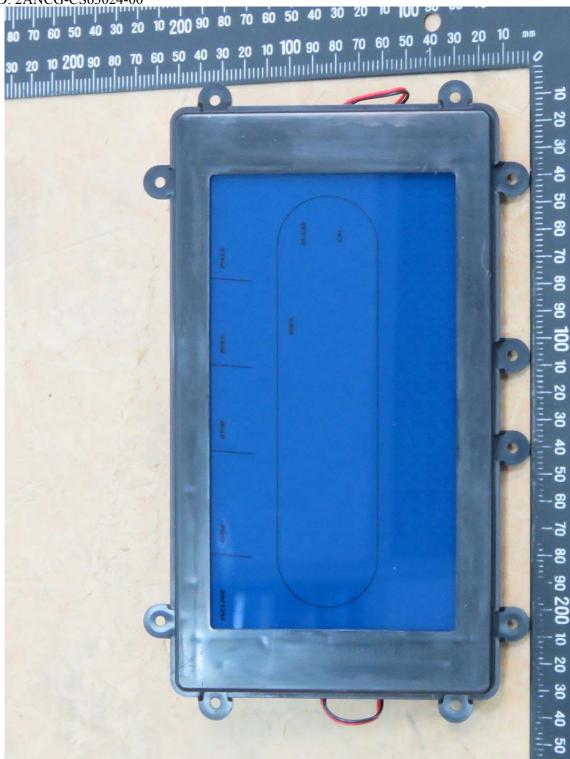






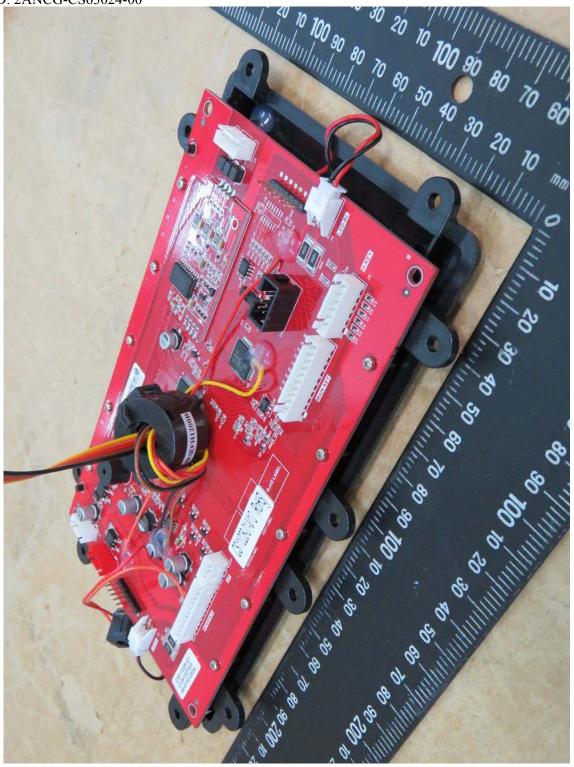


Registration number: W6M21706-17049-C-1



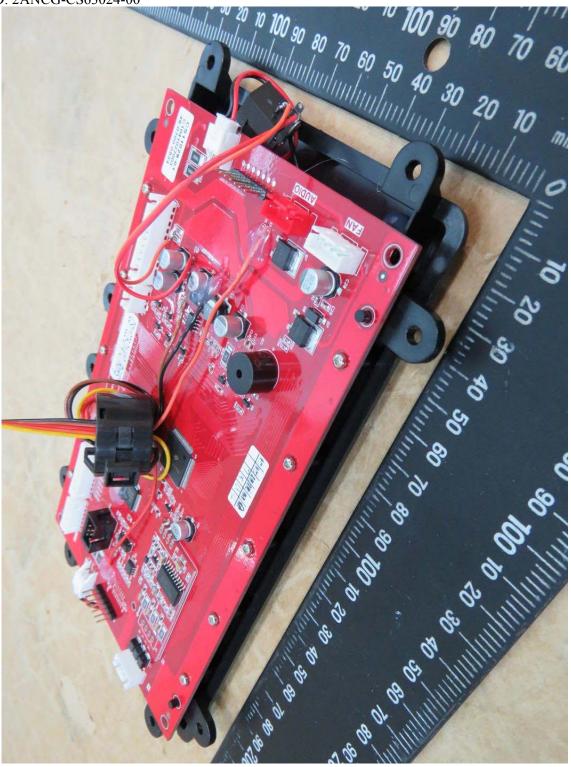


Registration number: W6M21706-17049-C-1





Registration number: W6M21706-17049-C-1





Registration number: W6M21706-17049-C-1

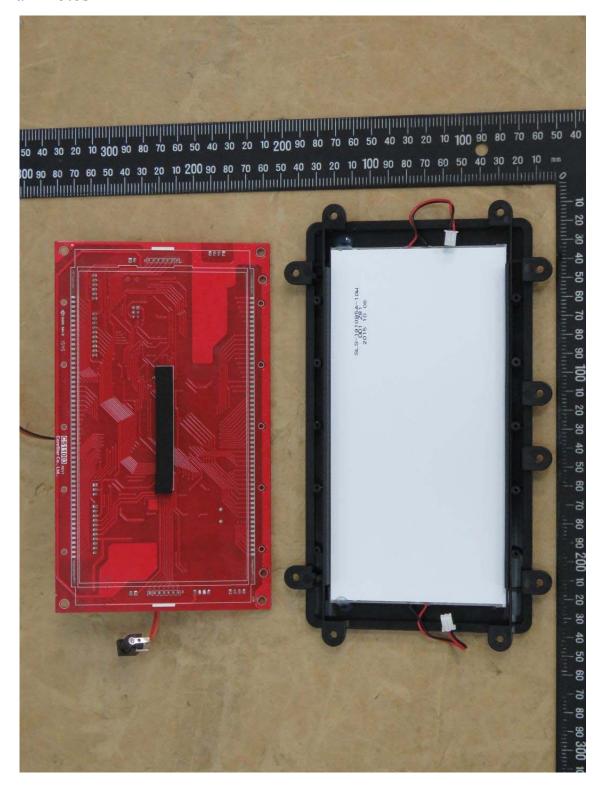




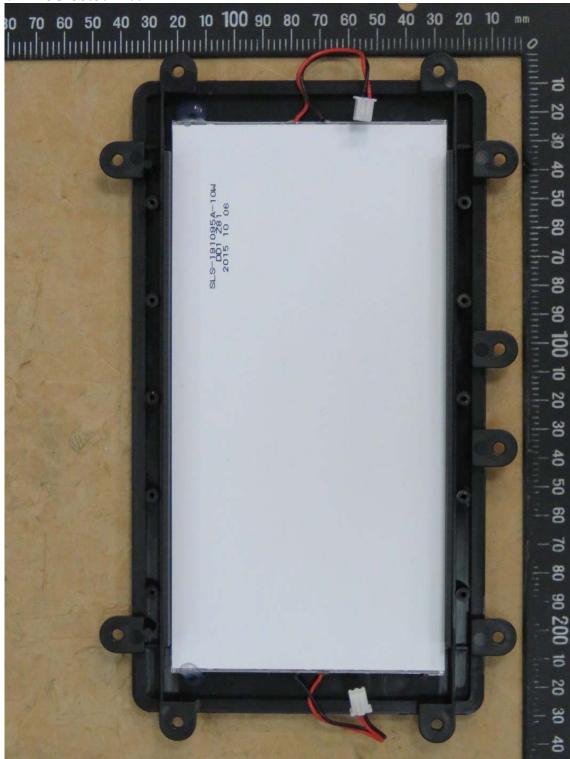
Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

Internal Photos







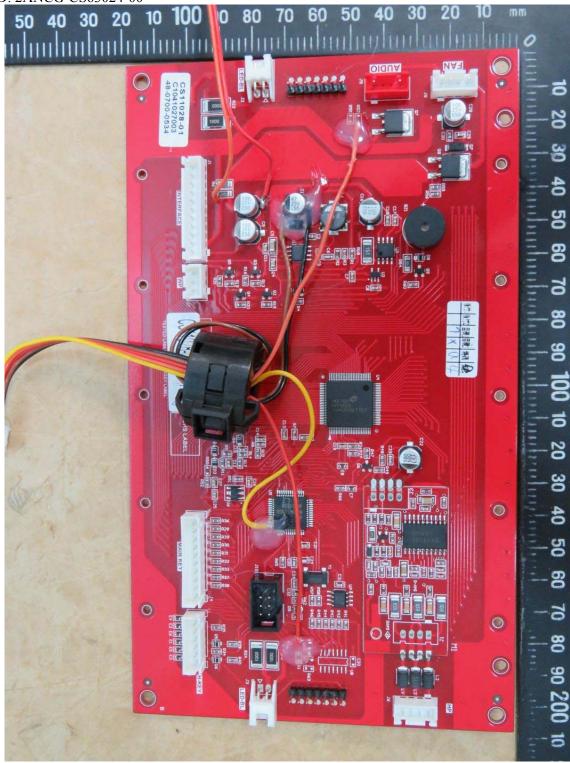


Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00 40 30 20 10 200 90 80 70 20 OCCE New York E666



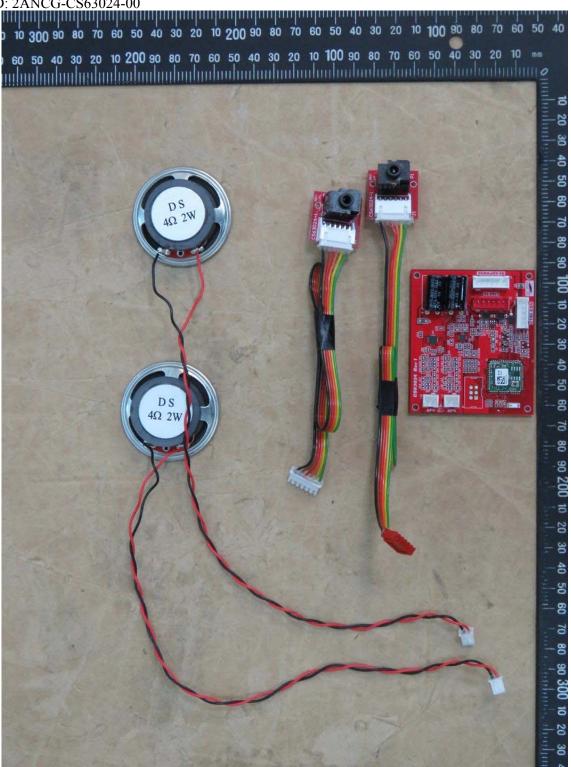
Registration number: W6M21706-17049-C-1





Registration number: W6M21706-17049-C-1

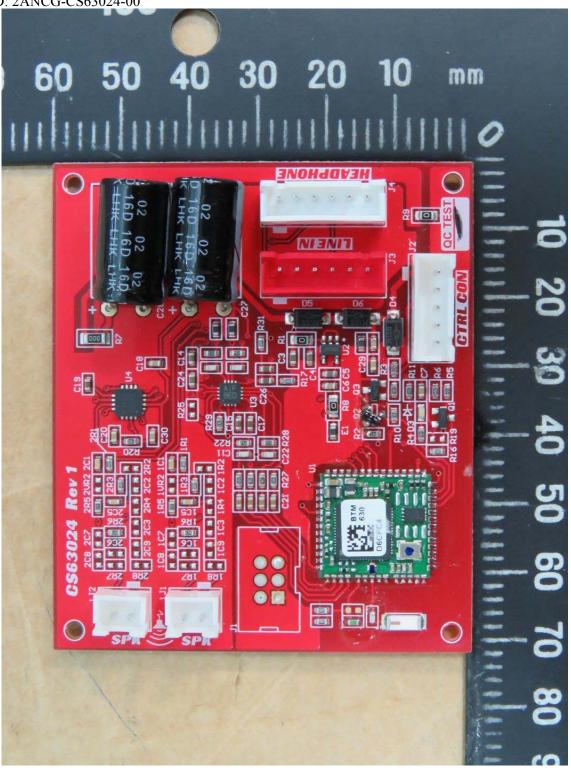
FCC ID: 2ANCG-CS63024-00



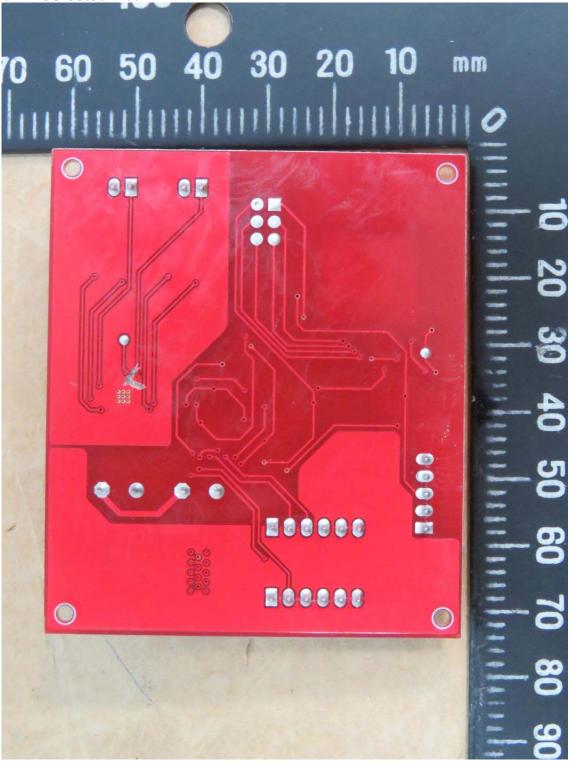
Worldwide Testing Services(Taiwan) Co., Ltd.



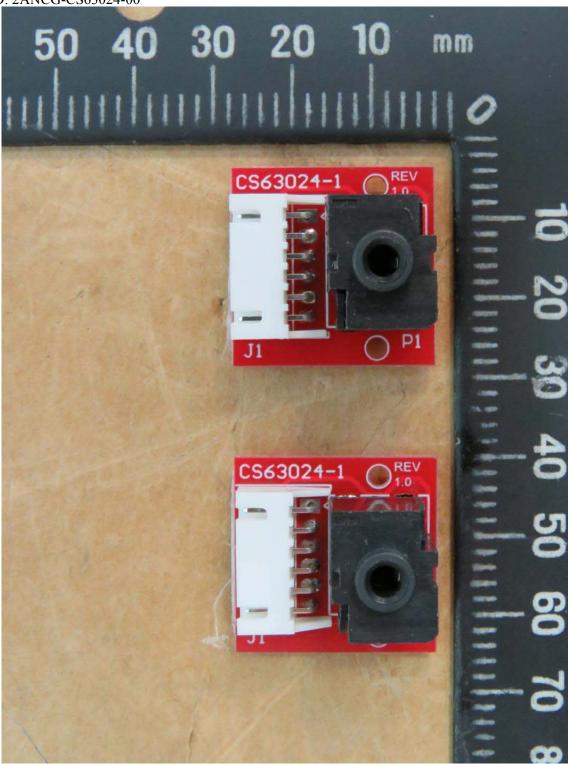
Registration number: W6M21706-17049-C-1



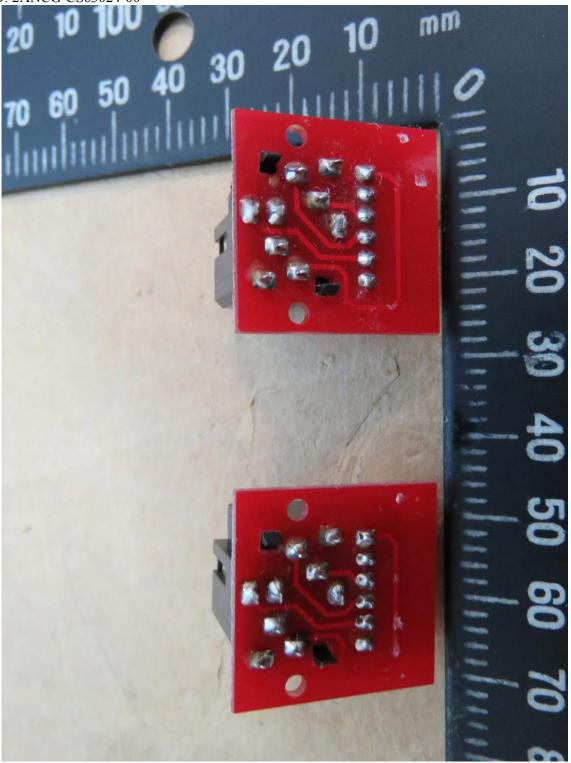














Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

Set Up Photos Below 1 GHz





Worldwide Testing Services(Taiwan) Co., Ltd.



Registration number: W6M21706-17049-C-1

FCC ID: 2ANCG-CS63024-00

Above 1 GHz





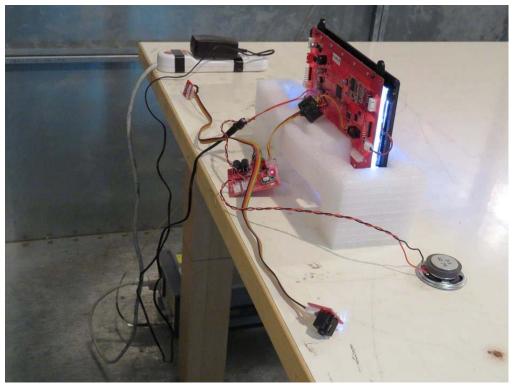
Worldwide Testing Services(Taiwan) Co., Ltd.



Registration number: W6M21706-17049-C-1 FCC ID: 2ANCG-CS63024-00

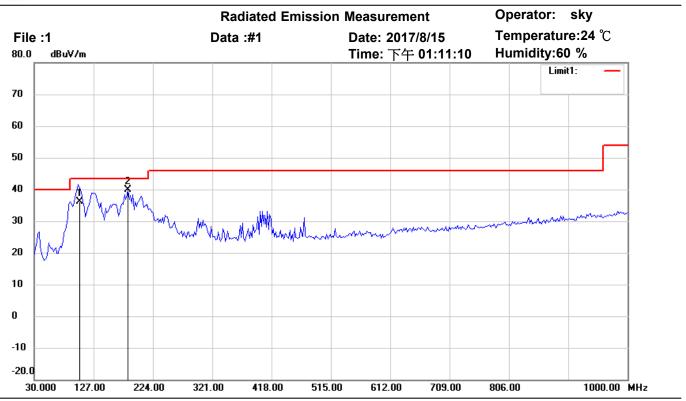
Set Up Photo of Conducted Emission







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



Site: Chamber

Condition: FCC_part 15 RE-Class C_30-1000MHz Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

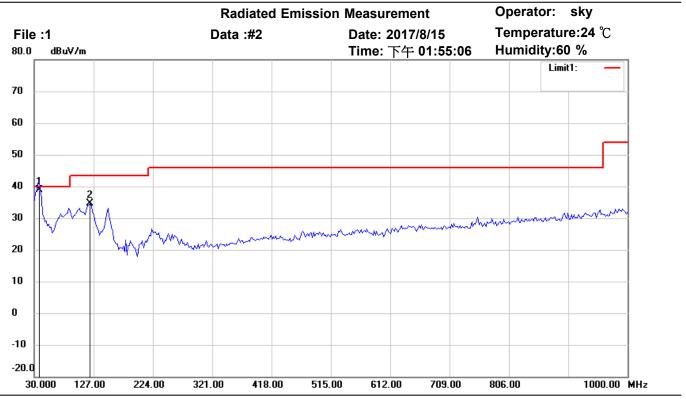
M/N: Distance: 3m

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
	102.6242	45.69	QP	-9.46	36.23	43.50	100	50	-7.27	
*	183.5671	51.34	peak	-11.39	39.95	43.50	100	250	-3.55	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

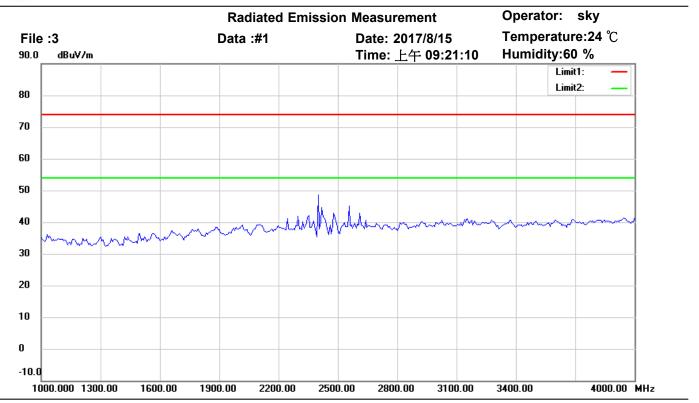
M/N: Distance: 3m

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
*	37.7756	48.10	QP	-9.18	38.92	40.00	100	360	-1.08	
	121.3627	41.45	peak	-6.82	34.63	43.50	100	200	-8.87	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

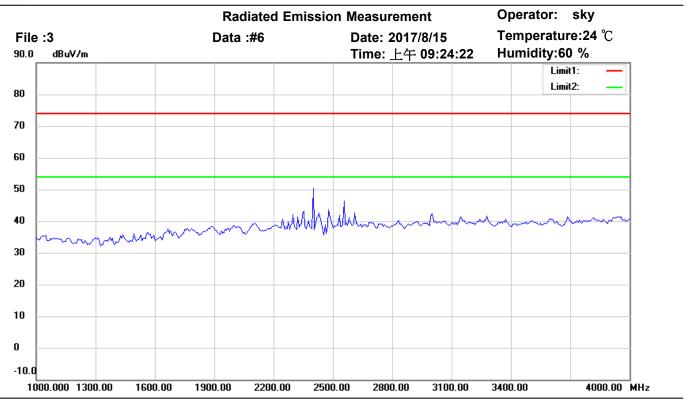
M/N: Distance: 3m

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)	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

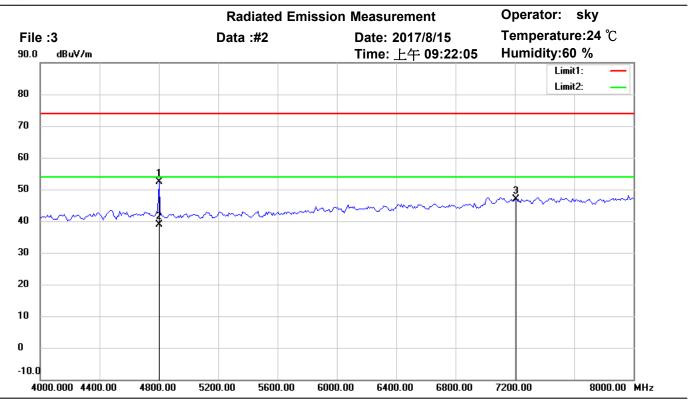
M/N: Distance: 3m

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)	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

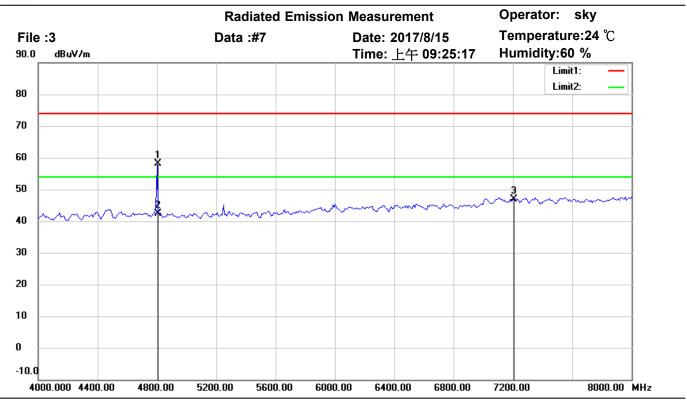
M/N: Distance: 3m

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	52.41	peak	0.08	52.49	74.00	150	40	-21.51	
*	4801.603	38.87	AVG	0.08	38.95	54.00	150	40	-15.05	
	7206.000	41.73	peak	5.06	46.79	74.00	150	80	-27.21	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

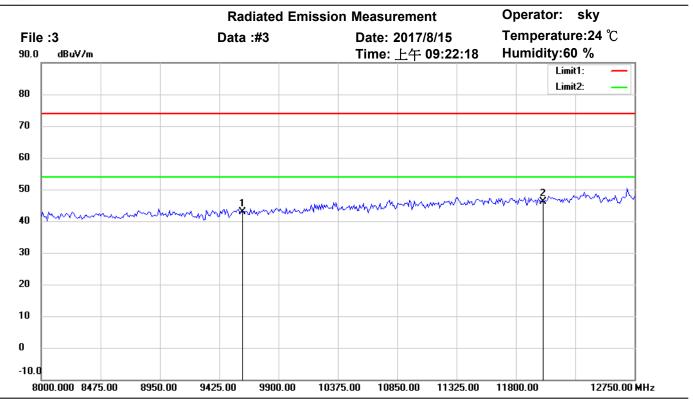
M/N: Distance: 3m

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
	4804.409	57.98	peak	0.08	58.06	74.00	150	180	-15.94	
*	4804.409	42.21	AVG	0.08	42.29	54.00	150	180	-11.71	
	7206.000	41.93	peak	5.06	46.99	74.00	150	70	-27.01	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

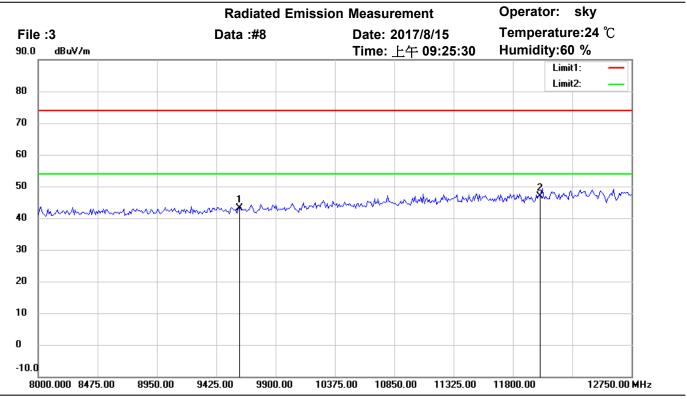
M/N: Distance: 3m

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	34.81	peak	7.96	42.77	74.00	150	45	-31.23	
*	12010.000	33.23	peak	12.90	46.13	74.00	150	200	-27.87	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

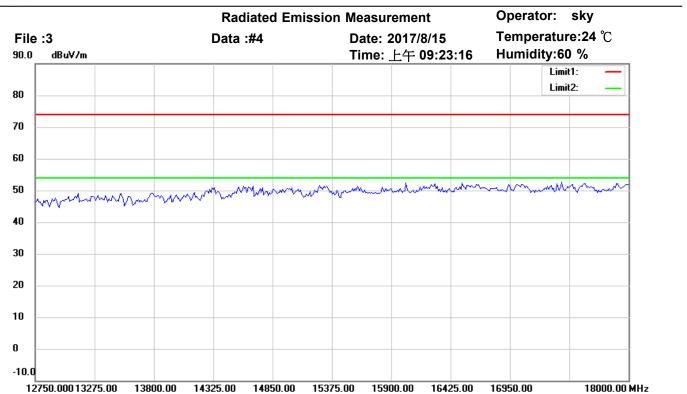
M/N: Distance: 3m

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	35.29	peak	7.96	43.25	74.00	150	10	-30.75	
*	12010.000	33.86	peak	12.90	46.76	74.00	150	130	-27.24	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

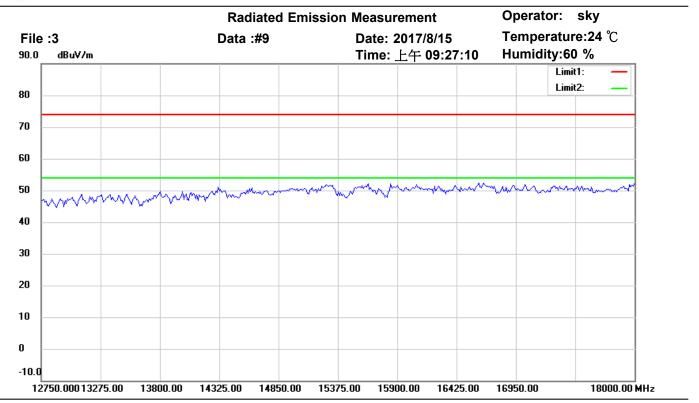
M/N: Distance: 3m

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)	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

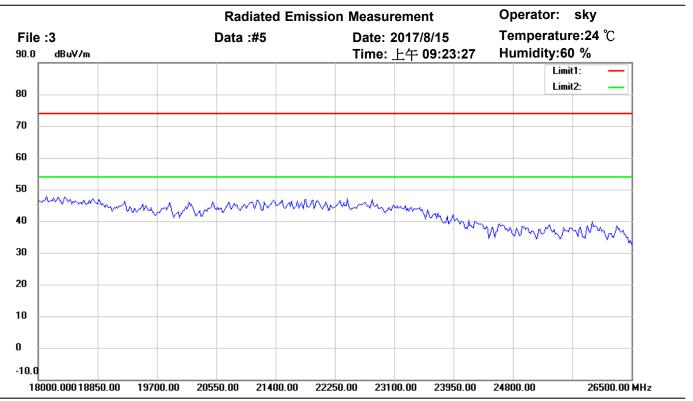
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

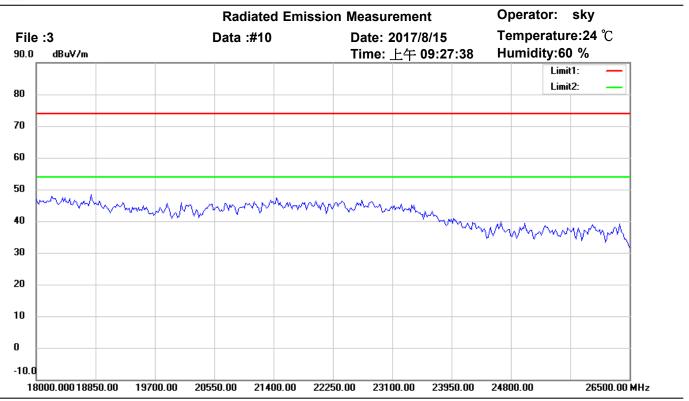
M/N: Distance: 3m

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)	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: TX 2402MHz

Note:

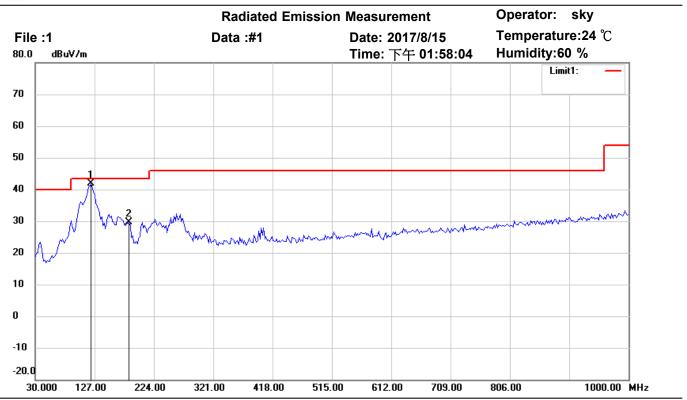
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class C_30-1000MHz Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

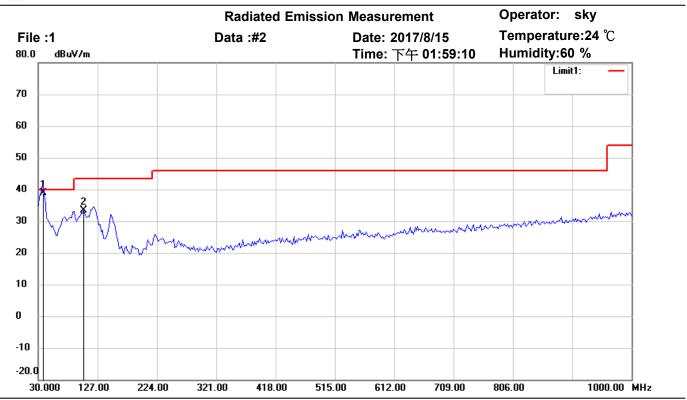
M/N: Distance: 3m

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
*	121.3627	48.76	peak	-6.82	41.94	43.50	100	110	-1.56	
	183.5671	40.94	peak	-11.39	29.55	43.50	100	55	-13.95	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

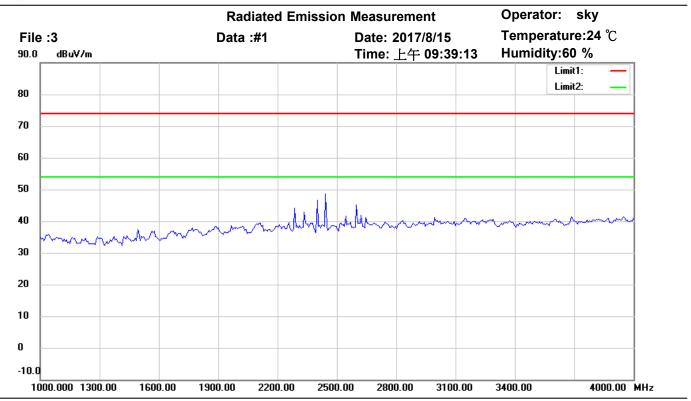
M/N: Distance: 3m

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
*	37.7756	48.02	QP	-9.18	38.84	40.00	100	70	-1.16	
	103.8677	42.52	peak	-9.15	33.37	43.50	100	110	-10.13	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

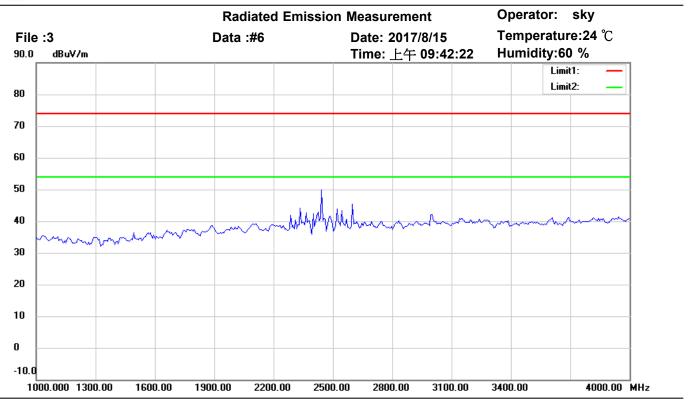
M/N: Distance: 3m

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: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

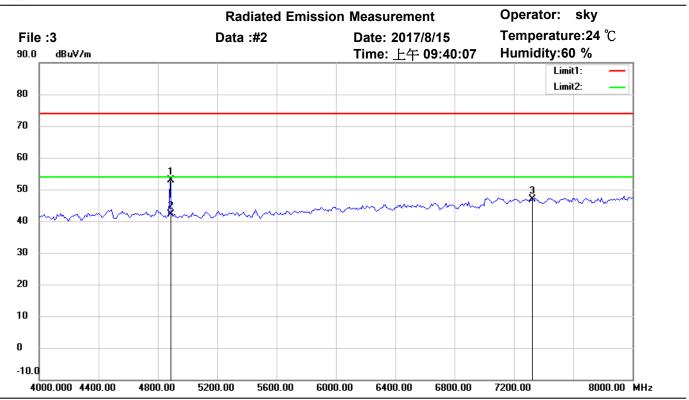
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

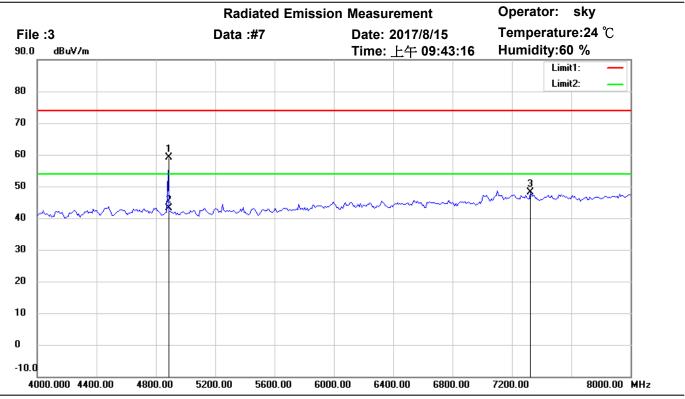
M/N: Distance: 3m

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	52.66	peak	0.17	52.83	74.00	150	130	-21.17	
*	4881.764	41.98	AVG	0.17	42.15	54.00	150	130	-11.85	
	7323.000	41.65	peak	5.11	46.76	74.00	150	100	-27.24	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

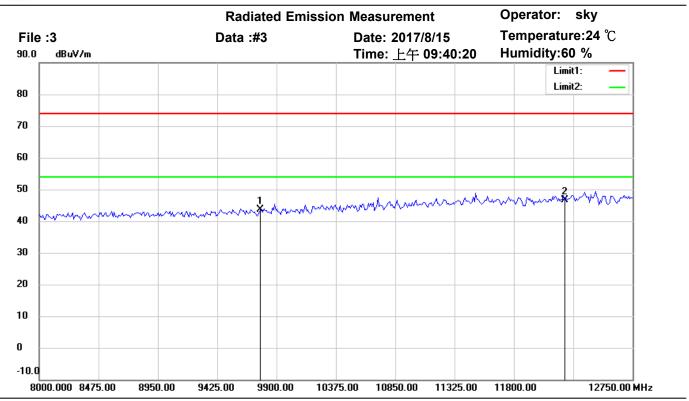
M/N: Distance: 3m

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
	4882.007	59.07	peak	0.17	59.24	74.00	150	269	-14.76	
*	4882.007	42.92	AVG	0.17	43.09	54.00	150	269	-10.91	
	7323.000	43.09	peak	5.11	48.20	74.00	150	300	-25.80	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

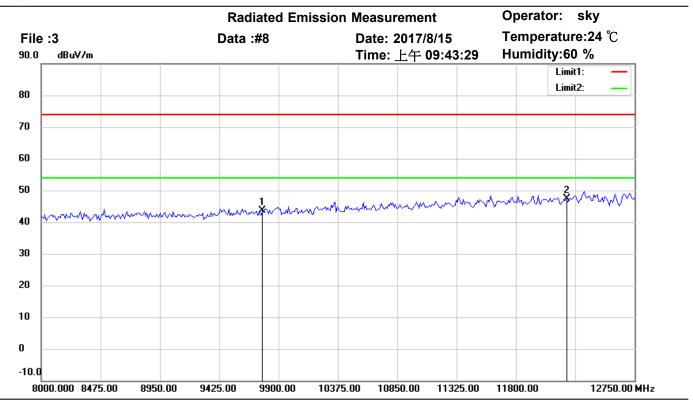
M/N: Distance: 3m

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	35.53	peak	8.22	43.75	74.00	150	110	-30.25	
*	12205.000	32.50	peak	14.08	46.58	74.00	150	220	-27.42	



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



Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

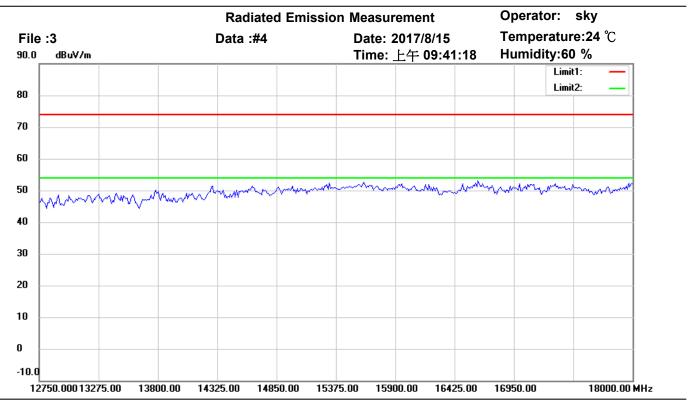
M/N: Distance: 3m

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	35.37	peak	8.22	43.59	74.00	150	200	-30.41	
*	12205.000	33.41	peak	14.08	47.49	74.00	150	100	-26.51	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

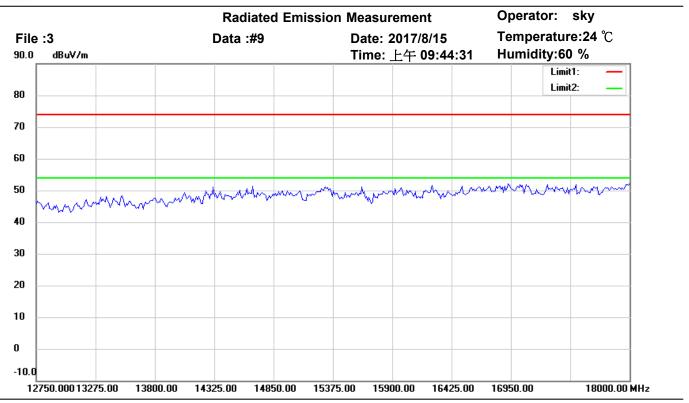
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

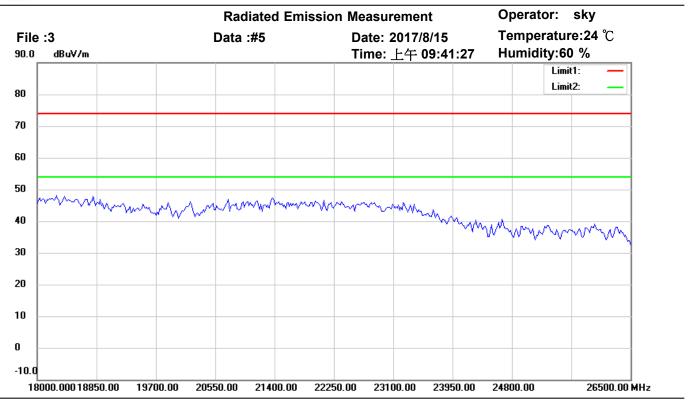
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

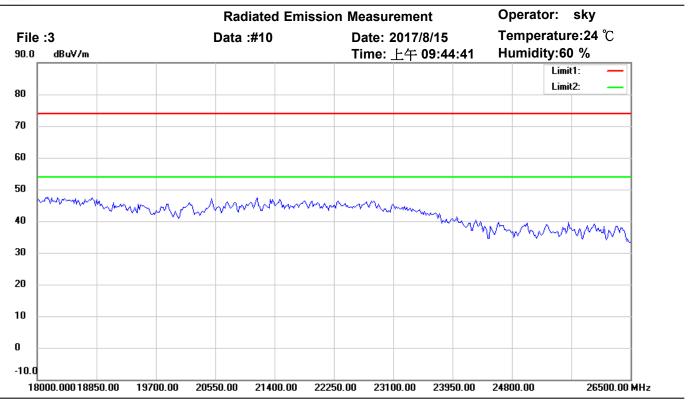
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

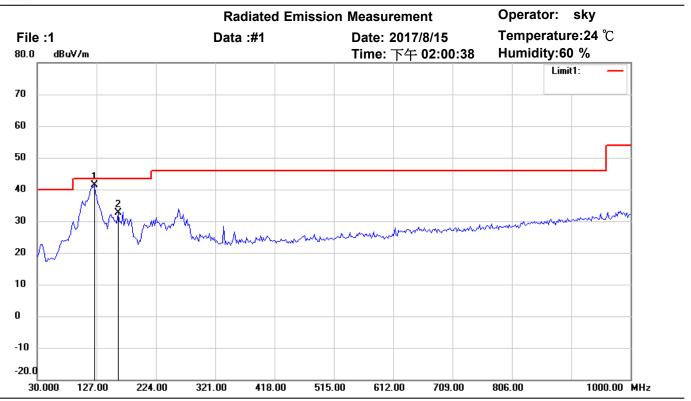
M/N: Distance: 3m

Test Mode: TX 2441MHz Note:

	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: W6M21706-17049 Power: 120 Va.c.

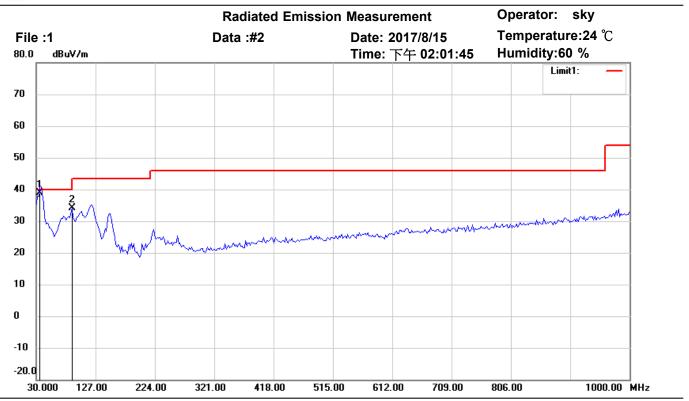
M/N: Distance: 3m

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
*	123.3066	48.07	peak	-6.78	41.29	43.50	100	85	-2.21	
	162.1844	41.89	peak	-9.38	32.51	43.50	100	110	-10.99	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

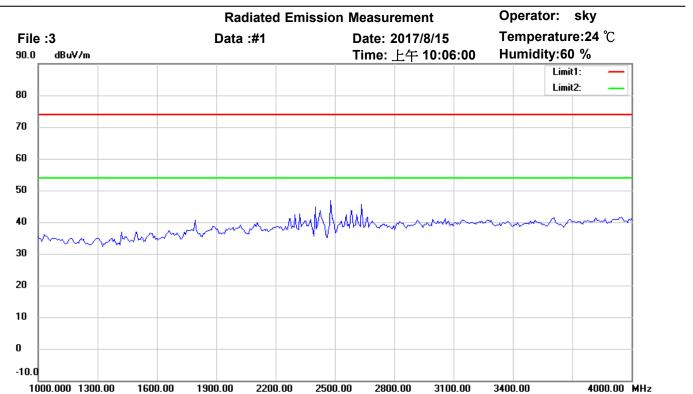
M/N: Distance: 3m

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
*	35.8316	47.88	QP	-8.89	38.99	40.00	100	150	-1.01	
	88.3166	47.91	peak	-13.86	34.05	43.50	100	115	-9.45	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

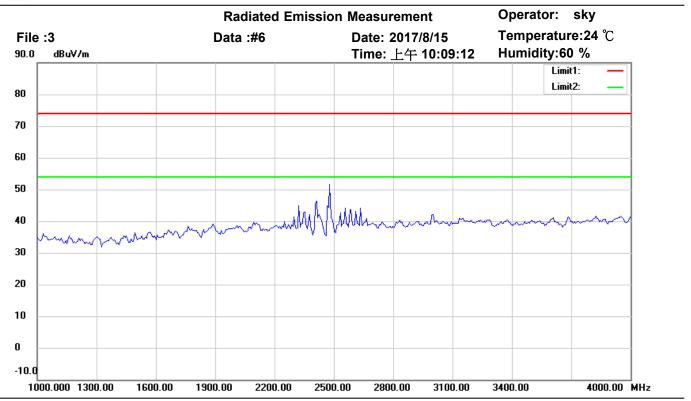
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: TX 2480MHz

Note:

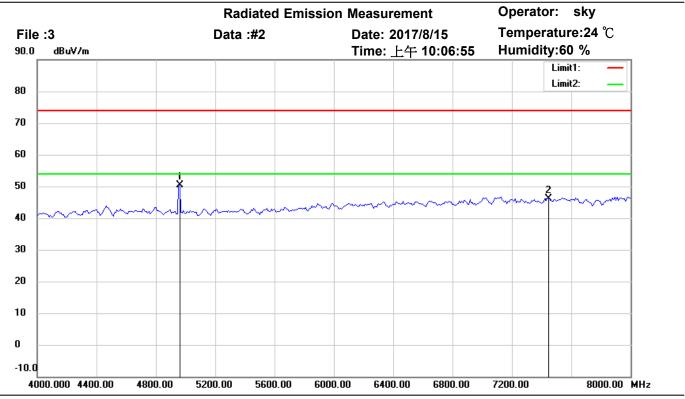
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

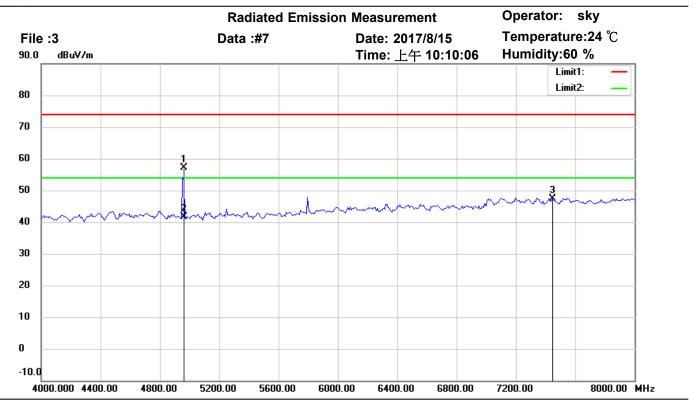
M/N: Distance: 3m

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	50.18	peak	0.21	50.39	74.00	150	60	-23.61	
	7440.000	40.86	peak	5.18	46.04	74.00	150	110	-27.96	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

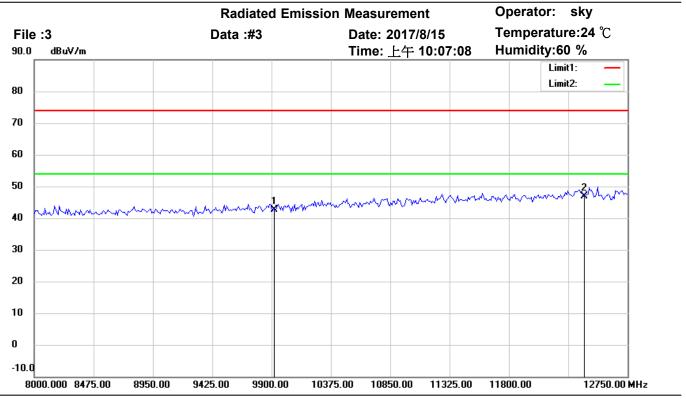
M/N: Distance: 3m

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
	4959.805	56.99	peak	0.21	57.20	74.00	150	240	-16.80	
*	4959.805	41.47	AVG	0.21	41.68	54.00	150	240	-12.32	
	7440.000	42.11	peak	5.18	47.29	74.00	150	80	-26.71	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

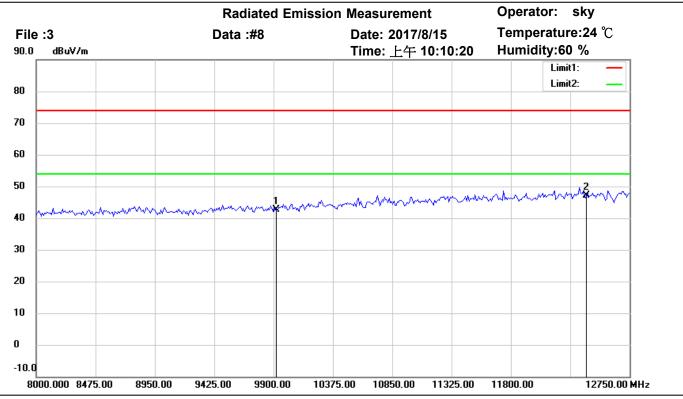
M/N: Distance: 3m

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	34.02	peak	8.55	42.57	74.00	150	80	-31.43	
*	12400.000	32.50	peak	14.41	46.91	74.00	150	40	-27.09	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

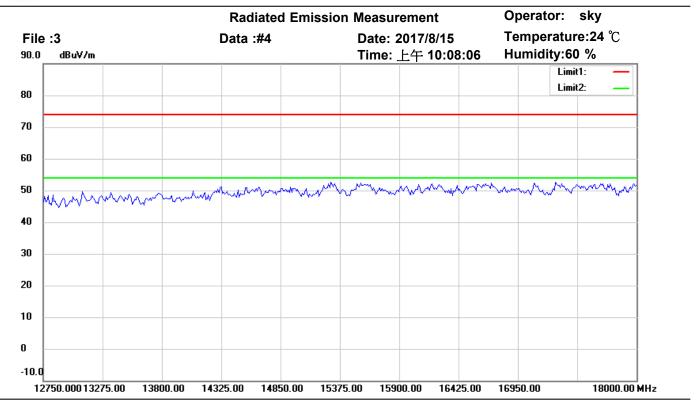
M/N: Distance: 3m

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	34.20	peak	8.55	42.75	74.00	150	35	-31.25	
*	12400.000	32.72	peak	14.41	47.13	74.00	150	115	-26.87	



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Site: Chamber

Condition: FCC_part 15 RE-Class C_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

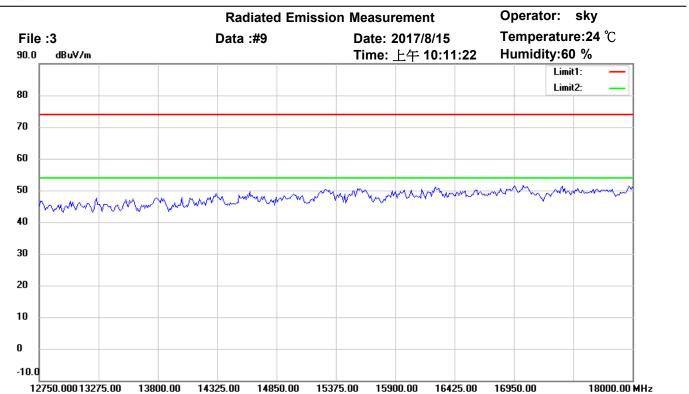
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

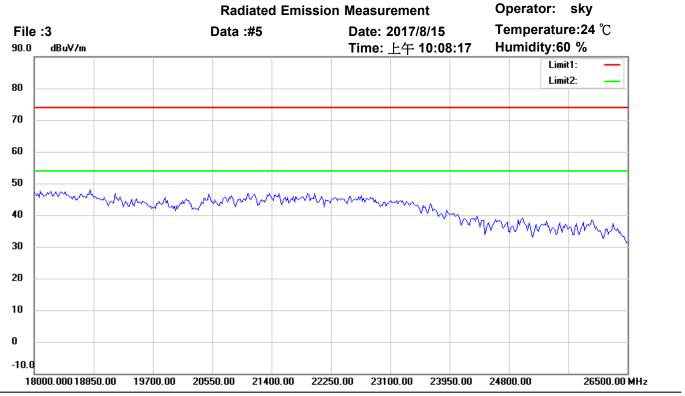
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

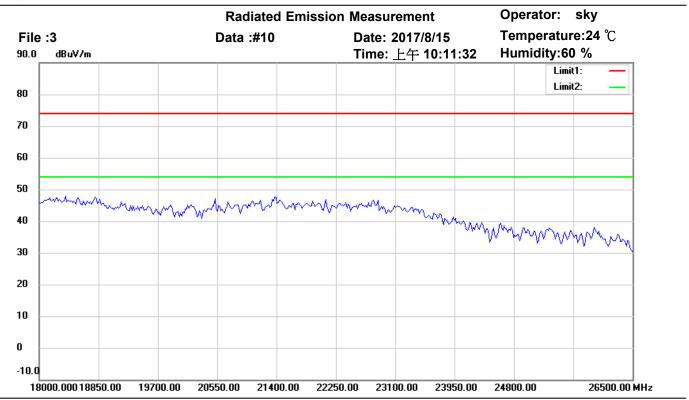
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: TX 2480MHz

Note:

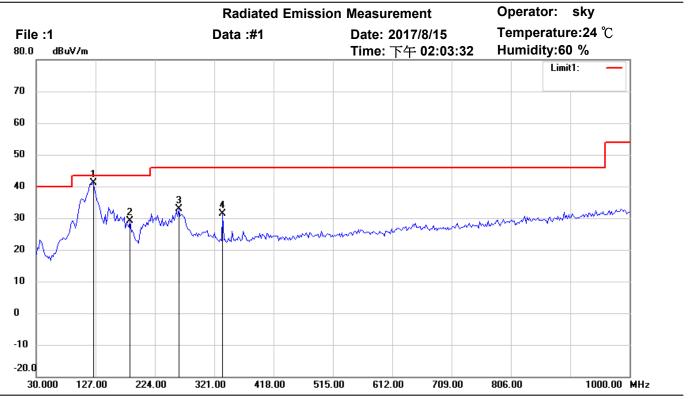
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_30-1000MHz Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

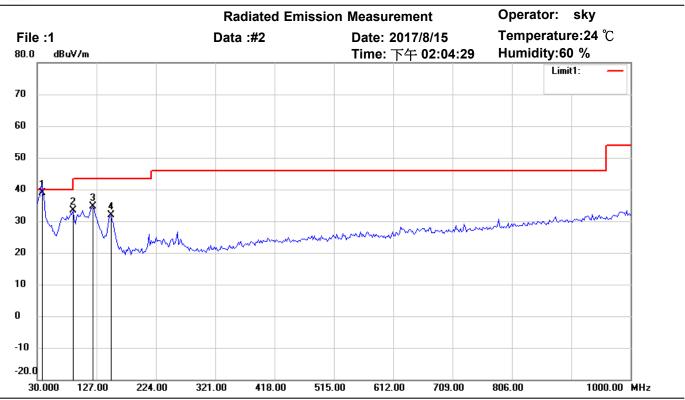
M/N: Distance: 3m

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
*	123.3066	47.95	QP	-6.78	41.17	43.50	100	85	-2.33	
	183.5671	40.45	QP	-11.39	29.06	43.50	100	100	-14.44	
	263.2664	39.84	QP	-7.05	32.79	46.00	100	90	-13.21	
	335.1904	36.39	QP	-5.06	31.33	46.00	100	15	-14.67	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

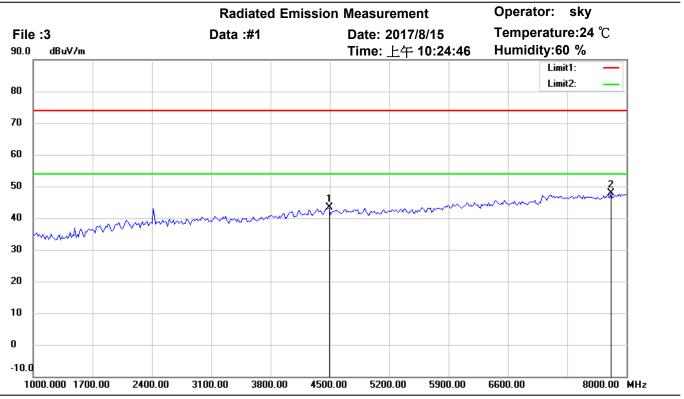
M/N: Distance: 3m

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
*	37.7756	48.01	QP	-9.18	38.83	40.00	100	110	-1.17	
	88.3166	47.27	peak	-13.86	33.41	43.50	100	150	-10.09	
	121.3627	41.33	peak	-6.82	34.51	43.50	100	90	-8.99	
	150.5210	39.90	peak	-7.93	31.97	43.50	100	210	-11.53	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

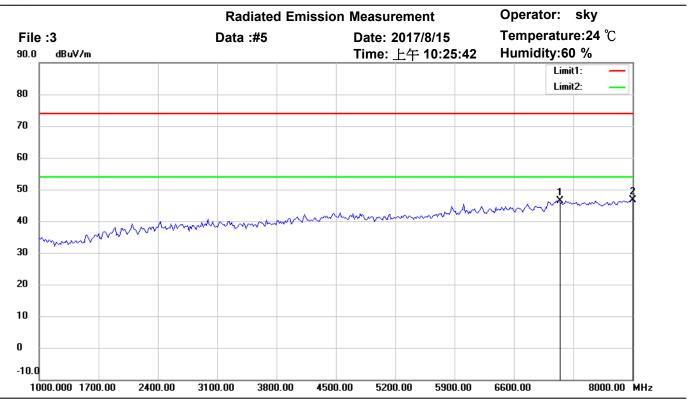
M/N: Distance: 3m

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
	4478.958	43.50	peak	-0.08	43.42	74.00	150	120	-30.58	
*	7817.635	42.50	peak	5.41	47.91	74.00	150	300	-26.09	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

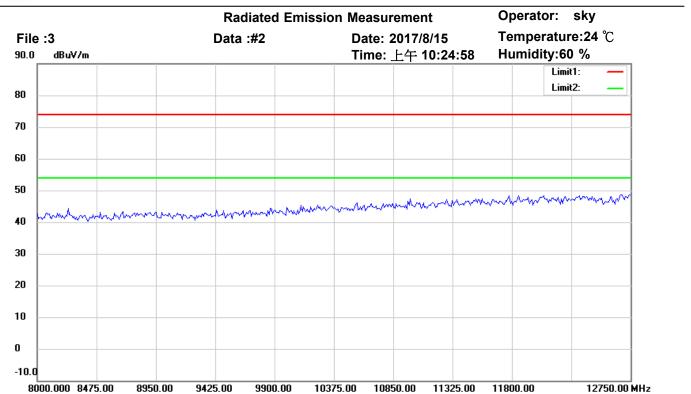
M/N: Distance: 3m

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
	7130.261	41.27	peak	5.17	46.44	74.00	150	100	-27.56	
*	7985.972	40.58	peak	6.03	46.61	74.00	150	210	-27.39	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

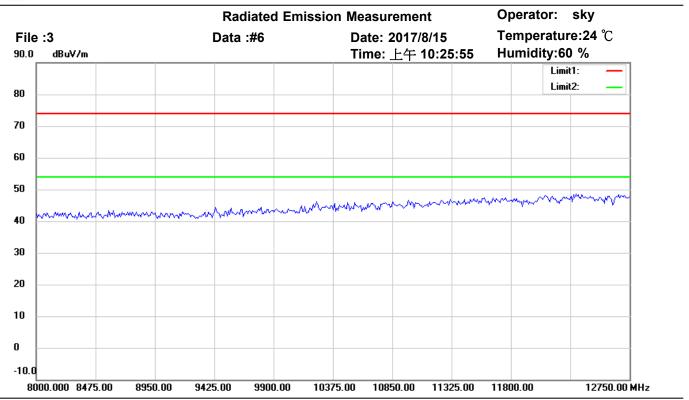
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2402MHz

Note:

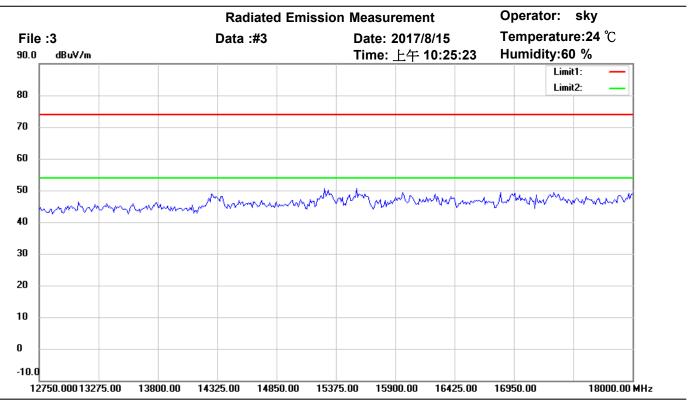
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

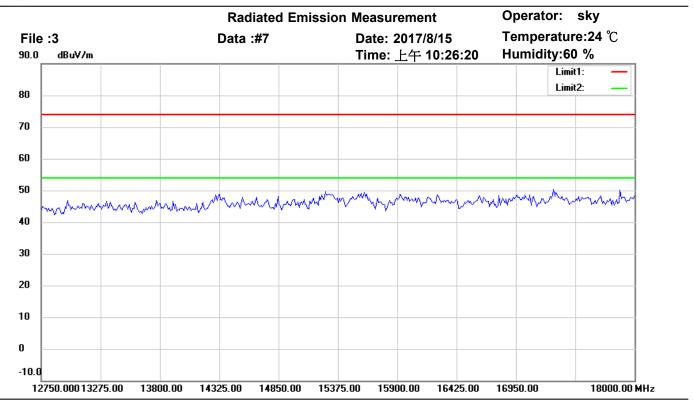
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2402MHz

Note:

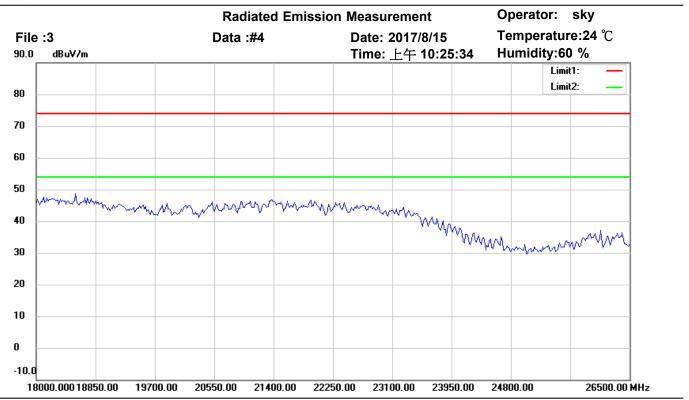
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

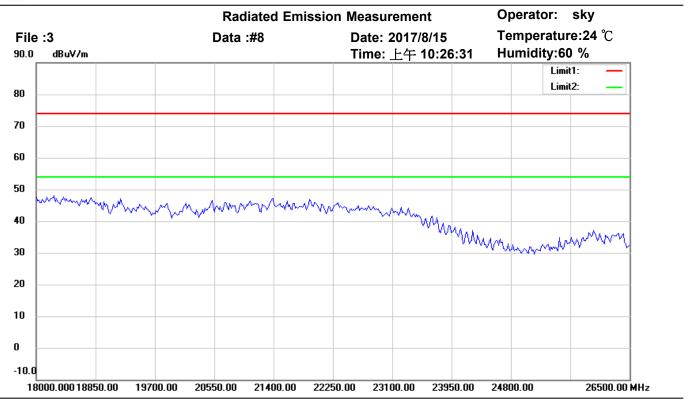
M/N: Distance: 3m

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

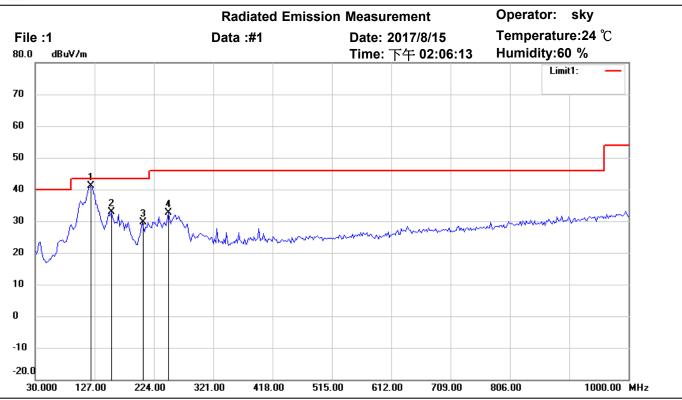
Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Vertical

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_30-1000MHz Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

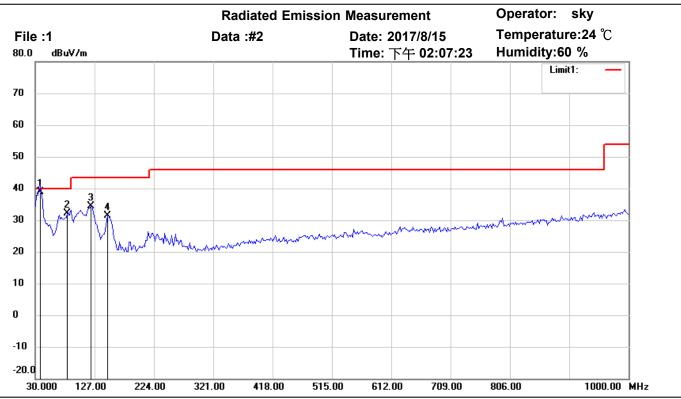
M/N: Distance: 3m

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
*	121.3627	48.02	QP	-6.82	41.20	43.50	100	100	-2.30	
	154.4088	41.36	peak	-8.41	32.95	43.50	100	60	-10.55	
	204.9500	40.27	peak	-10.61	29.66	43.50	100	85	-13.84	
	247.7154	40.47	peak	-7.92	32.55	46.00	100	50	-13.45	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

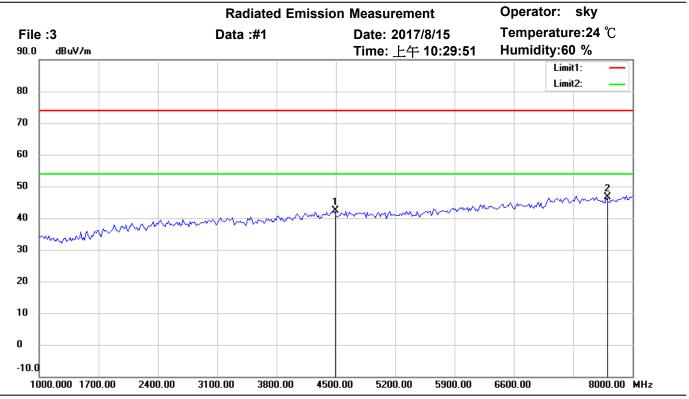
M/N: Distance: 3m

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
*	37.7756	48.03	QP	-9.18	38.85	40.00	100	85	-1.15	
	82.4850	46.27	peak	-14.11	32.16	40.00	100	100	-7.84	
	121.3627	41.20	peak	-6.82	34.38	43.50	100	30	-9.12	
	148.5772	39.09	peak	-7.73	31.36	43.50	100	70	-12.14	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

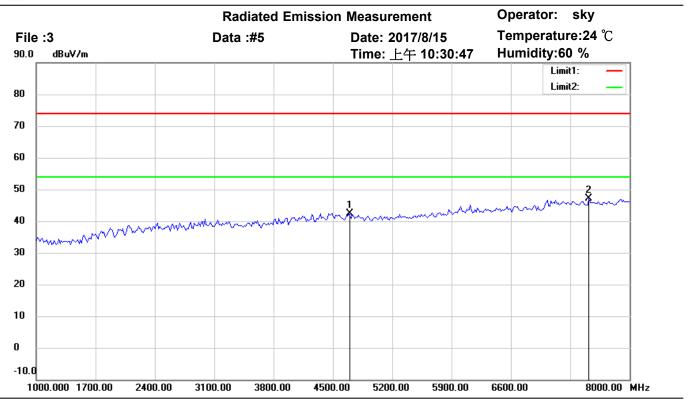
M/N: Distance: 3m

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
	4478.958	42.57	peak	-0.08	42.49	74.00	150	60	-31.51	
*	7691.383	41.47	peak	5.27	46.74	74.00	150	15	-27.26	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

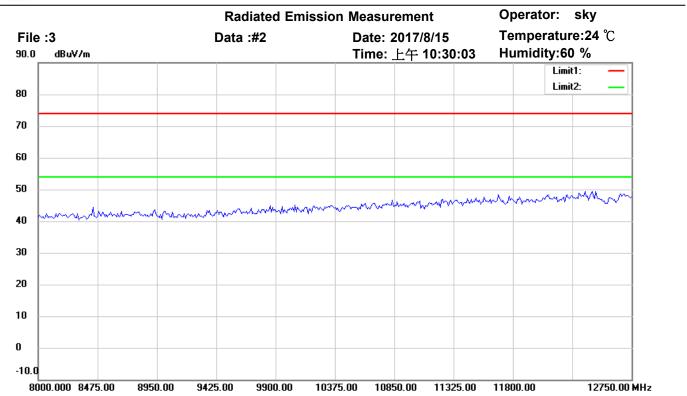
M/N: Distance: 3m

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
	4689.379	42.68	peak	-0.25	42.43	74.00	150	40	-31.57	
*	7523.046	41.82	peak	5.20	47.02	74.00	150	85	-26.98	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

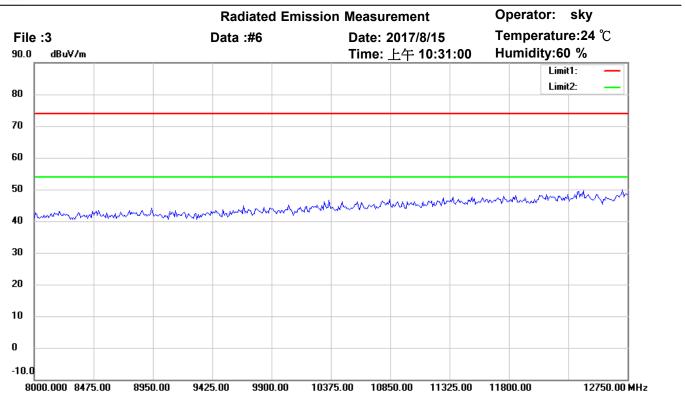
M/N: Distance: 3m

Test Mode: RX 2441MHz

	Frequency	Reading	Detector	Corr. factor	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment	l
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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2441MHz

Note:

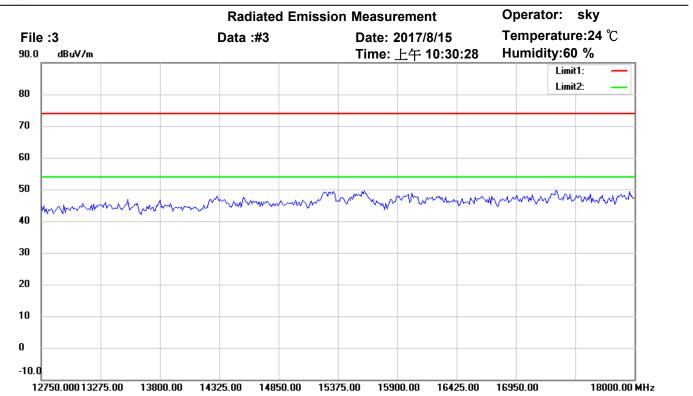
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

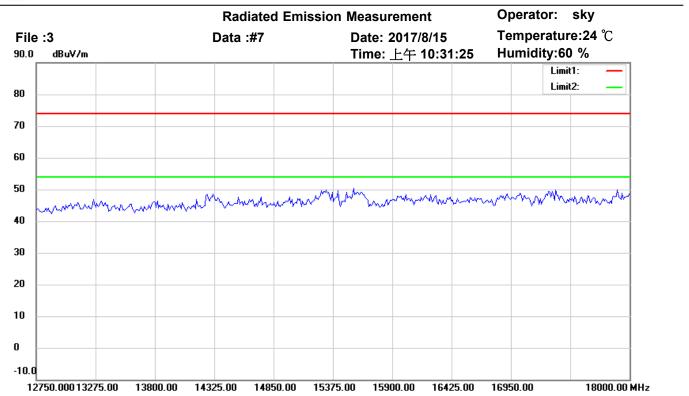
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2441MHz

Note:

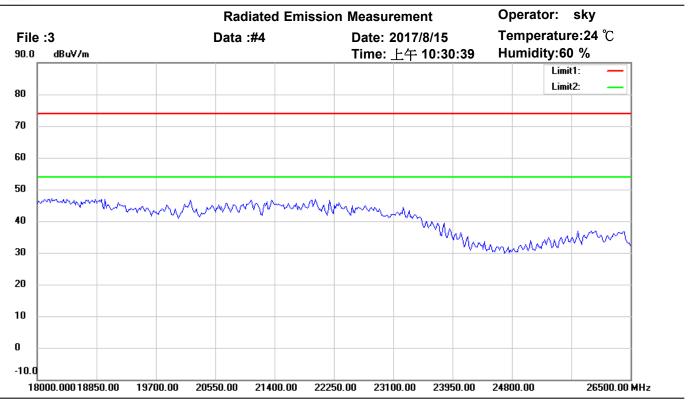
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

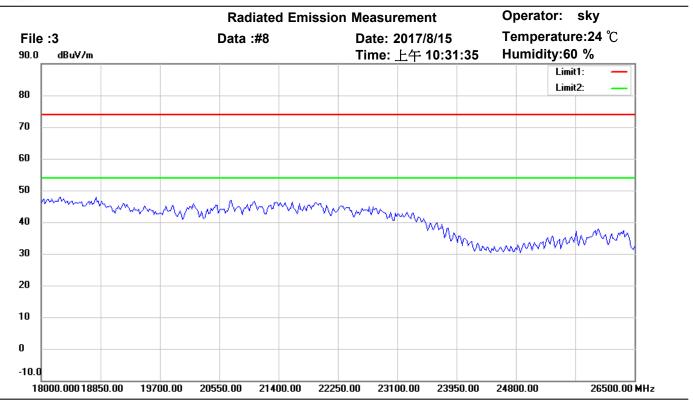
M/N: Distance: 3m

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

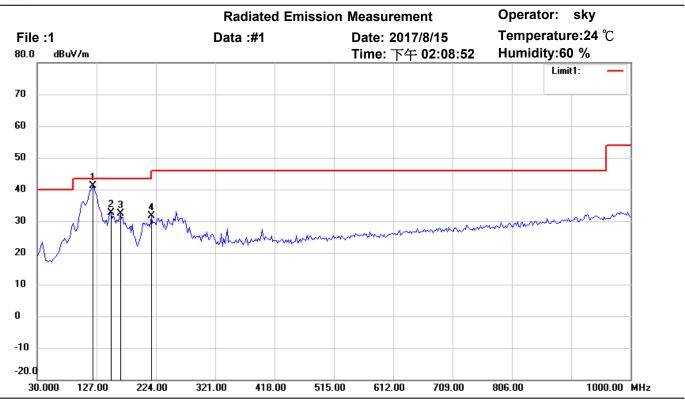
Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Vertical

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_30-1000MHz Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

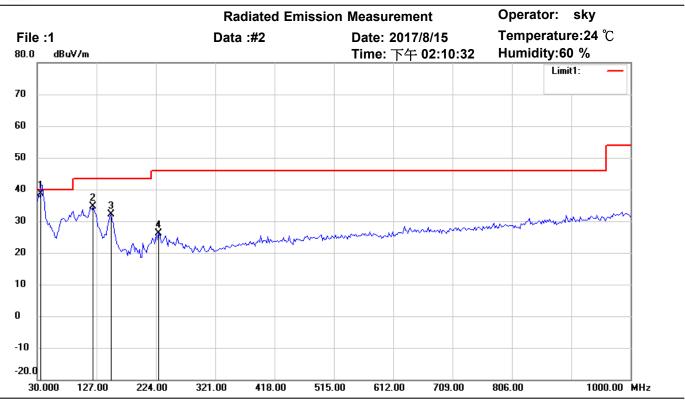
M/N: Distance: 3m

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
*	121.3627	48.00	QP	-6.82	41.18	43.50	100	60	-2.32	
	150.5210	40.52	peak	-7.93	32.59	43.50	100	35	-10.91	
	166.0721	42.30	peak	-9.89	32.41	43.50	100	15	-11.09	
	216.6132	41.95	peak	-10.27	31.68	46.00	100	20	-14.32	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_30-1000MHz Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

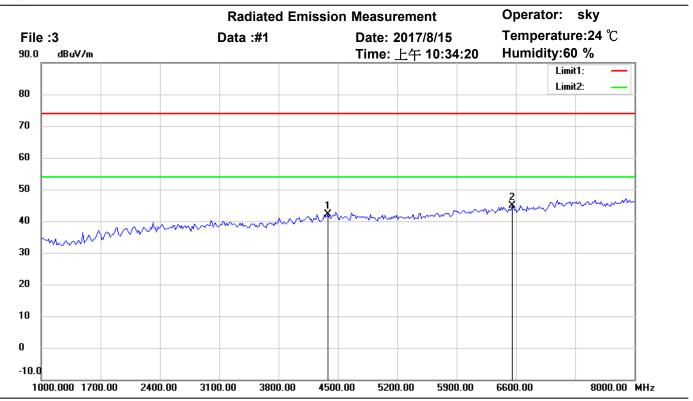
M/N: Distance: 3m

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
*	35.8316	47.50	QP	-8.89	38.61	40.00	100	25	-1.39	
	121.3627	41.33	peak	-6.82	34.51	43.50	100	60	-8.99	
	150.5210	40.10	peak	-7.93	32.17	43.50	100	85	-11.33	
	228.2766	35.34	peak	-9.10	26.24	46.00	100	70	-19.76	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

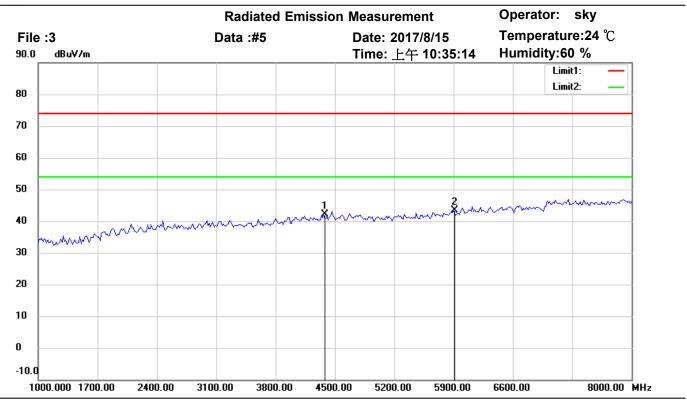
M/N: Distance: 3m

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
	4380.761	42.62	peak	-0.51	42.11	74.00	150	235	-31.89	
*	6555.110	40.77	peak	4.20	44.97	74.00	150	120	-29.03	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Vertical

EUT: W6M21706-17049 Power: 120 Va.c.

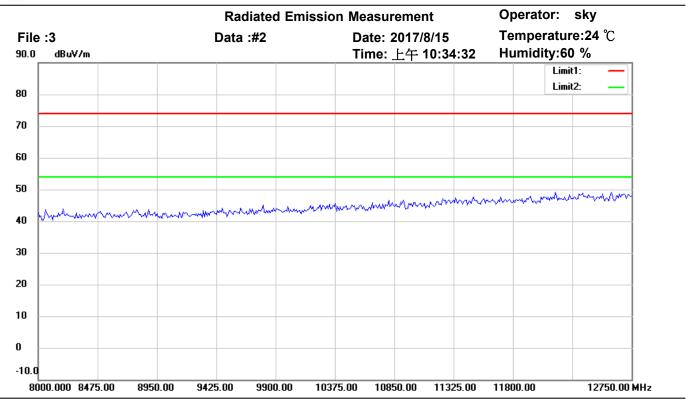
M/N: Distance: 3m

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
	4366.734	42.52	peak	-0.50	42.02	74.00	150	85	-31.98	
*	5895.792	40.70	peak	2.61	43.31	74.00	150	35	-30.69	



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

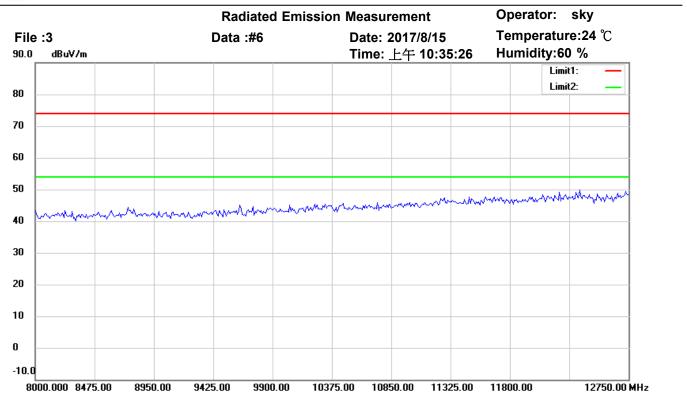
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2480MHz

Note:

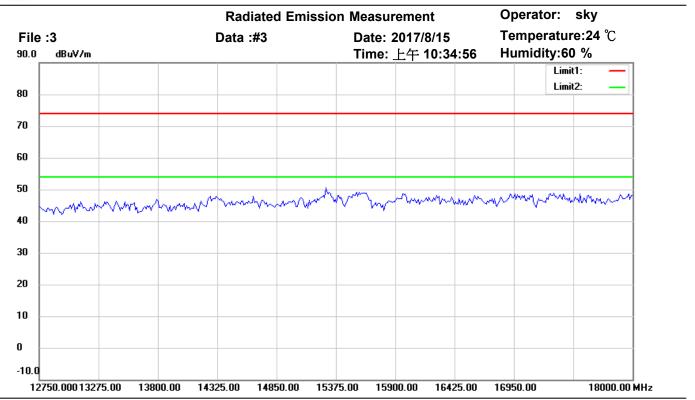
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

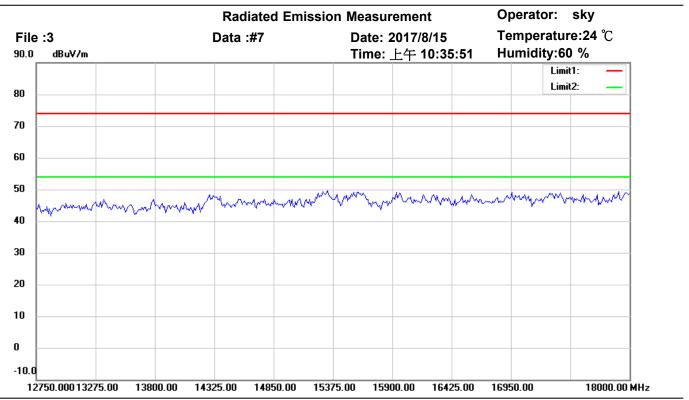
M/N: Distance: 3m

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

EUT: W6M21706-17049 Power: 120 Va.c.

Test Mode: RX 2480MHz

Note:

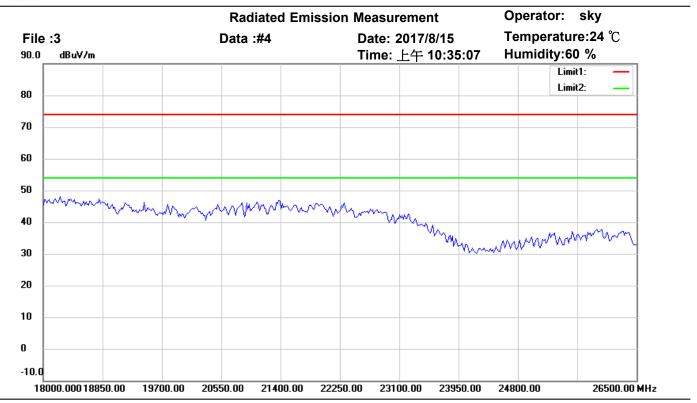
M/N:

	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)	

Distance: 3m



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Site: Chamber

Condition: FCC_part 15 RE-Class B_Above 1GHz_PK Polarization: Horizontal

EUT: W6M21706-17049 Power: 120 Va.c.

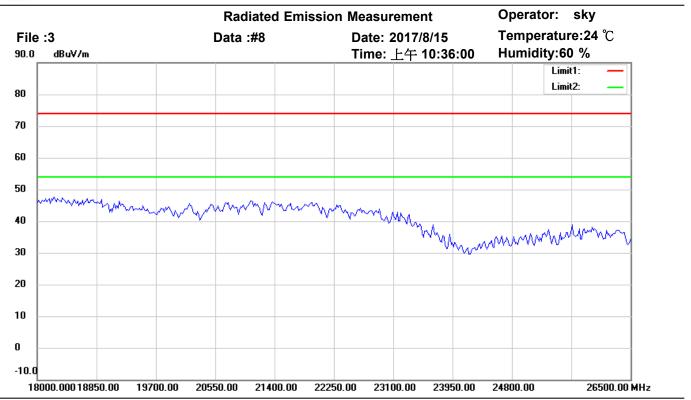
M/N: Distance: 3m

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)	