

FCC PART 15E TEST REPORT FOR CERTIFICATION

On Behalf of

Sony Corporation

Wireless Speaker

LF-S50G

FCC ID: AK8LFS50G

Prepared for : Sony Corporation

1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan

Prepared By : Audix Technology (Shenzhen) Co., Ltd.

No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F17134

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TEST REPORT CERTIFICATION

Applicant : Sony Corporation
Manufacturer : Sony Corporation
Product : Wireless Speaker
FCC ID : AK8LFS50G
(A) Model No. : LF-S50G
(B) Power Supply : DC 15V
(C) Test Voltage : DC 15V From Adaptor Input 120V/60Hz

Tested for comply with:
FCC CFR47 Part 15 Subpart E

Test procedure used:
ANSI C63.10: 2013
KDB789033D01

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart E requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Jun.01~Jul.04,2017 Report of date: Jul.31,2017

Prepared by : Brave Zhang for Reviewed by : Sunny Lu
Brave Zhang / Assistant Sunny Lu / Deputy Manager



Approved & Authorized Signer :

David Jin / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207	PASS
Radiated Emission	FCC Part 15: 15.209	PASS
Band Edge Compliance	FCC Part 15: 15.407	PASS
6dB&26Bandwidth Test	FCC Part 15: 15.407(a)	PASS
Output Power Test	FCC Part 15: 15.407(a)	PASS
Power Spectral Density Test	FCC Part 15: 15.407(a)	PASS
Frequency Stability	FCC Part 15: 15.407(g)	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product : Wireless Speaker

Model No. : LF-S50G

FCC ID : AK8LFS50G

Radio : IEEE802.11 a/b/g/n; Bluetooth V3.0+EDR; Bluetooth V4.2; NFC Rx

Operation : IEEE 802.11a:

Frequency 5180MHz—5240MHz; 5260MHz—5320MHz

5500MHz—5720MHz; 5745MHz—5825MHz

IEEE 802.11b: 2412MHz—2462MHz

IEEE 802.11g: 2412MHz—2462MHz

IEEE802.11nHT20: 2412MHz—2462MHz;

5180MHz—5240MHz; 5260MHz—5320MHz

5500MHz—5720MHz; 5745MHz—5825MHz

IEEE802.11nHT40:

5190MHz—5230MHz; 5270MHz—5310MHz

5510MHz—5710MHz; 5755MHz—5795MHz

Bluetooth : 2402-2480MHz

NFC: 13.56MHz

Modulation : IEEE 802.11b: DSSS(CCK,DQPSK,BPSK)

Technology IEEE 802.11a/g: OFDM(64QAM, 16QAM, 256QAM, BPSK)

IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, 256QAM,BPSK)

Bluetooth V3.0+EDR: GFSK, $\pi/4$ DQPSK,8-DPSK

Bluetooth V4.2:GFSK

NFC: ASK

Antenna Assembly : Antenna Type: FPC Board

Gain Bluetooth: 2.1dBi

WIFI 2.4GHz: 2.1dBi

WIFI 5GHz:

Band 1: 6.02dBi

Band 2: 6.09dBi

Band 3: 5.41dBi

Band 4: 6.39dBi

Loop Antenna for NFC

Applicant	: Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Manufacturer	: Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Power Adaptor	: Manufacturer: Sony, M/N: AC-E1525 Input: AC 100-240V; 50/60Hz, 1.0A Output: DC 15V, 2.5A DC Cable: Unshielded, Undetachable, 1.6m
Date of Test	: Jun.01~Jul.04,2017
Date of Receipt	: May.30,2017
Remark	: This report only for WiFi 5G.

2.2. Test Information

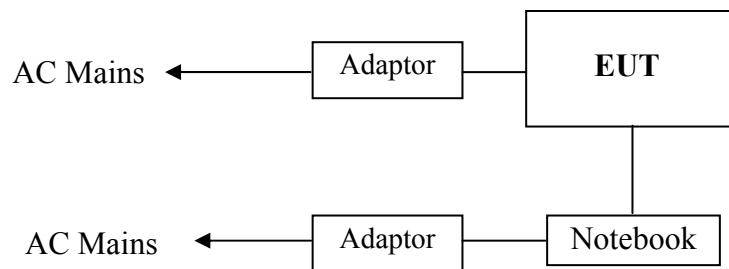
A special test software was used to control EUT work in Continuous TX mode (nearly 100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11a	6	Low :CH36	5180
	6	Middle: CH40	5200
	6	High: CH48	5240
	6	Low :CH52	5260
	6	Middle: CH60	5300
	6	High: CH64	5320
	6	Low :CH100	5500
	6	Middle: CH120	5600
	6	High: CH140	5700
	6	CH144	5720
	6	Low :CH149	5745
	6	Middle: CH157	5785
	6	High: CH165	5825
IEEE 802.11nHT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
	MCS0	Low :CH52	5260
	MCS0	Middle: CH60	5300
	MCS0	High: CH64	5320
	MCS0	Low :CH100	5500
	MCS0	Middle: CH120	5600
	MCS0	High: CH140	5700
	MCS0	CH144	5720
	MCS0	Low :CH149	5745
	MCS0	Middle: CH157	5785
	MCS0	High: CH165	5825
IEEE 802.11nHT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
	MCS0	Low :CH54	5270
	MCS0	High: CH62	5310
	MCS0	Low :CH102	5510
	MCS0	High: CH134	5670
	MCS0	CH142	5710
	MCS0	Low :CH151	5755
	MCS0	High: CH159	5795
Note: 1. According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. Note: 2. 11a use SISO Mode. Use ANT1 which has the worst case emission for the Radiated emission and band edge measurement, 11ac/n use MIMO Mode, test with two antenna transmit simultaneously and comply with KDB662911D01 V02r01.			

2.3. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number
1.	Notebook	N/A	DELL	PP09S	N/A
		Power Cord: Unshielded, Detachable, 1.8m Power Adaptor: Manufacturer: DELL, M/N: LA65NS1-00 Cable: Unshielded, Detachable, 4.0m(Bond one ferrite core)			

2.4. Block diagram of connection between the EUT and simulators



(EUT: Wireless Speaker)

2.5. Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Kefeng Road, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China
EMC Lab.	:	Certificated by Industry Canada Registration Number: IC 5183A-1 Valid Date: May.07, 2020 Certificated by DAkkS, Germany Registration No: D-PL-12151-01-00 Valid Date: Dec.07, 2021 Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2018

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2dB(150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	2.8dB(30~200MHz, Polarization: H)
	2.8dB(30~200MHz, Polarization: V)
	3.0dB(200M~1GHz, Polarization: H)
	3.0dB(200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 3m chamber(1GHz-18GHz)	5.8dB(1~6GHz, Distance: 3m)
	5.8dB(6~18GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.6dB
Uncertainty for Conduction Spurious emission test	2.0dB
Uncertainty for Output power test	0.8dB
Uncertainty for Bandwidth test	83kHz
Uncertainty for DC power test	0.1%
Uncertainty for test site temperature and humidity	0.6℃
	3%

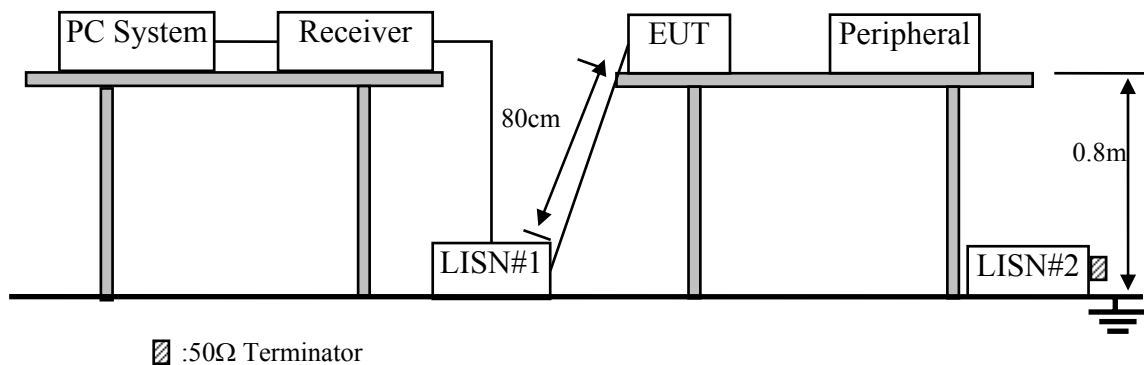
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	Apr.17,17	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.22,17	1 Year
3.	L.I.S.N	Rohde & Schwarz	ENV216	102160	Mar.06.17	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.22,17	1 Year
5.	I.S.N.	TESEQ	S751	24559	Mar.06.17	1.year
6.	Terminator	Hubersuhner	50Ω	No.1	Apr.23,17	1 Year
7.	Terminator	Hubersuhner	50Ω	No.2	Apr.23,17	1 Year
8.	RF Cable	MIYAZAKI	3D-2W	No.1	Apr.23,17	1Year
9.	Coaxial Switch	Anritsu	MP59B	6200766906	Apr.22,17	1 Year
10.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Wireless Speaker (EUT)

Model Number : LF-S50G
Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5.Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipments.

3.5.3. PC run test software to control EUT work in Tx mode.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

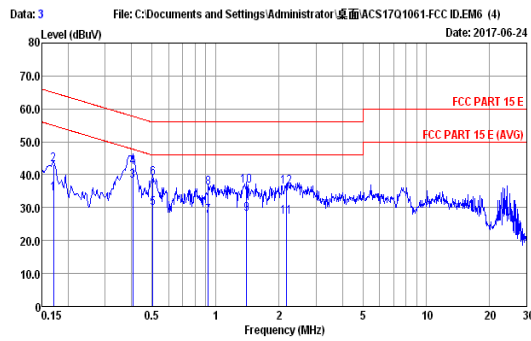
The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

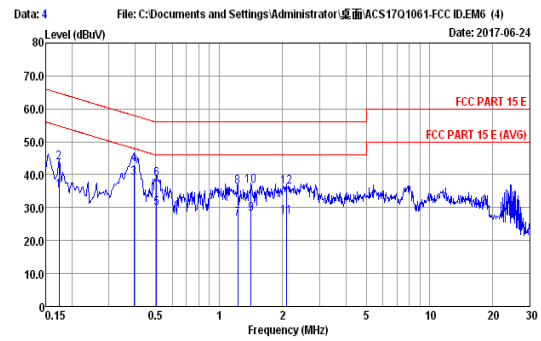
3.7.Power Line Conducted Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

5180-5240MHz Band:



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode

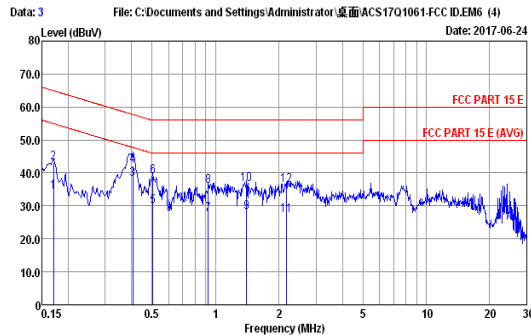
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.170	9.51	0.01	24.60	34.12	54.94	20.82	Average
2	0.170	9.51	0.01	33.62	43.14	64.94	21.80	QP
3	0.406	9.50	0.02	28.50	38.02	47.73	9.71	Average
4	0.406	9.50	0.02	32.80	42.32	57.73	15.41	QP
5	0.505	9.50	0.03	20.30	29.83	46.00	16.17	Average
6	0.505	9.50	0.03	29.37	38.90	56.00	17.10	QP
7	0.923	9.49	0.05	17.80	27.34	46.00	18.66	Average
8	0.923	9.49	0.05	26.44	35.98	56.00	20.02	QP
9	1.403	9.49	0.05	18.60	28.14	46.00	17.86	Average
10	1.403	9.49	0.05	27.14	36.68	56.00	19.32	QP
11	2.167	9.49	0.06	17.60	27.15	46.00	18.85	Average
12	2.167	9.49	0.06	26.77	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

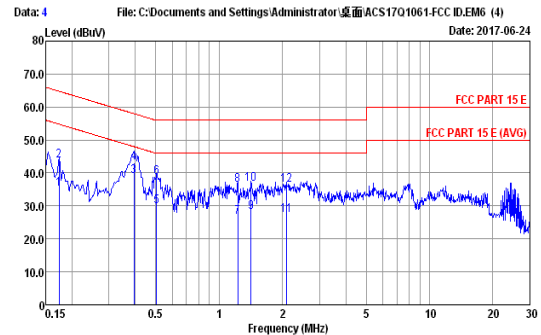
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.174	9.47	0.01	25.60	35.08	54.77	19.69	Average
2	0.174	9.47	0.01	34.15	43.63	64.77	21.14	QP
3	0.393	9.42	0.02	29.40	38.84	47.99	9.15	Average
4	0.393	9.42	0.02	33.60	43.04	57.99	14.95	QP
5	0.505	9.31	0.03	20.40	29.74	46.00	16.26	Average
6	0.505	9.31	0.03	29.44	38.78	56.00	17.22	QP
7	1.229	9.35	0.05	17.30	26.70	46.00	19.30	Average
8	1.229	9.35	0.05	26.95	36.35	56.00	19.65	QP
9	1.418	9.35	0.05	18.61	28.01	46.00	17.99	Average
10	1.418	9.35	0.05	27.14	36.54	56.00	19.46	QP
11	2.088	9.36	0.06	17.60	27.02	46.00	18.98	Average
12	2.088	9.36	0.06	26.90	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5260-5320MHz Band:



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode

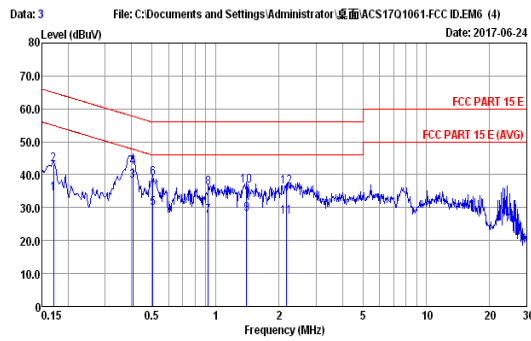
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.170	9.51	0.01	24.60	34.12	54.94	20.82	Average
2	0.170	9.51	0.01	33.62	43.14	64.94	21.80	QP
3	0.406	9.50	0.02	28.50	38.02	47.73	9.71	Average
4	0.406	9.50	0.02	32.80	42.32	57.73	15.41	QP
5	0.505	9.50	0.03	20.30	29.83	46.00	16.17	Average
6	0.505	9.50	0.03	29.37	38.90	56.00	17.10	QP
7	0.923	9.49	0.05	17.80	27.34	46.00	18.66	Average
8	0.923	9.49	0.05	26.44	35.98	56.00	20.02	QP
9	1.403	9.49	0.05	18.60	28.14	46.00	17.86	Average
10	1.403	9.49	0.05	27.14	36.68	56.00	19.32	QP
11	2.167	9.49	0.06	17.60	27.15	46.00	18.85	Average
12	2.167	9.49	0.06	26.77	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

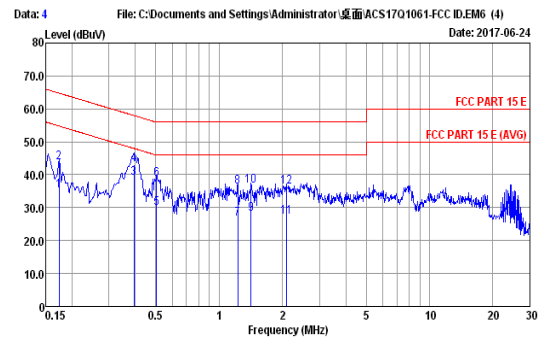
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.174	9.47	0.01	25.60	35.08	54.77	19.69	Average
2	0.174	9.47	0.01	34.15	43.63	64.77	21.14	QP
3	0.393	9.42	0.02	29.40	38.84	47.99	9.15	Average
4	0.393	9.42	0.02	33.60	43.04	57.99	14.95	QP
5	0.505	9.31	0.03	20.40	29.74	46.00	16.26	Average
6	0.505	9.31	0.03	29.44	38.78	56.00	17.22	QP
7	1.229	9.35	0.05	17.30	26.70	46.00	19.30	Average
8	1.229	9.35	0.05	26.95	36.35	56.00	19.65	QP
9	1.418	9.35	0.05	18.61	28.01	46.00	17.99	Average
10	1.418	9.35	0.05	27.14	36.54	56.00	19.46	QP
11	2.088	9.36	0.06	17.60	27.02	46.00	18.98	Average
12	2.088	9.36	0.06	26.90	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5500-5720MHz Band:



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode

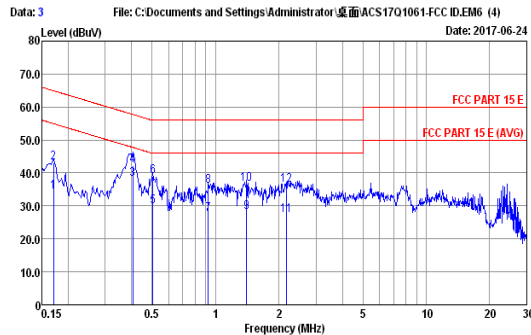
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.170	9.51	0.01	24.60	34.12	54.94	20.82	Average
2	0.170	9.51	0.01	33.62	43.14	64.94	21.80	QP
3	0.406	9.50	0.02	28.50	38.02	47.73	9.71	Average
4	0.406	9.50	0.02	32.80	42.32	57.73	15.41	QP
5	0.505	9.50	0.03	20.30	29.83	46.00	16.17	Average
6	0.505	9.50	0.03	29.37	38.90	56.00	17.10	QP
7	0.923	9.49	0.05	17.80	27.34	46.00	18.66	Average
8	0.923	9.49	0.05	26.44	35.98	56.00	20.02	QP
9	1.403	9.49	0.05	18.60	28.14	46.00	17.86	Average
10	1.403	9.49	0.05	27.14	36.68	56.00	19.32	QP
11	2.167	9.49	0.06	17.60	27.15	46.00	18.85	Average
12	2.167	9.49	0.06	26.77	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

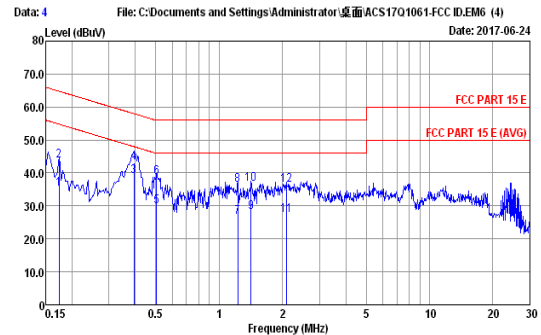
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.174	9.47	0.01	25.60	35.08	54.77	19.69	Average
2	0.174	9.47	0.01	34.15	43.63	64.77	21.14	QP
3	0.393	9.42	0.02	29.40	38.84	47.99	9.15	Average
4	0.393	9.42	0.02	33.60	43.04	57.99	14.95	QP
5	0.505	9.31	0.03	20.40	29.74	46.00	16.26	Average
6	0.505	9.31	0.03	29.44	38.78	56.00	17.22	QP
7	1.229	9.35	0.05	17.30	26.70	46.00	19.30	Average
8	1.229	9.35	0.05	26.95	36.35	56.00	19.65	QP
9	1.418	9.35	0.05	18.61	28.01	46.00	17.99	Average
10	1.418	9.35	0.05	27.14	36.54	56.00	19.46	QP
11	2.088	9.36	0.06	17.60	27.02	46.00	18.98	Average
12	2.088	9.36	0.06	26.90	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5745-5825MHz Band:



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : -----antenna Ant. pol. :
 Limit : FCC PART 15 E
 Env. / Ins. : 22.8°C/56% Engineer : Garry
 EUT : M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WiFi Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.170	9.51	0.01	24.60	34.12	54.94	20.82	Average
2	0.170	9.51	0.01	33.62	43.14	64.94	21.80	QP
3	0.406	9.50	0.02	28.50	38.02	47.73	9.71	Average
4	0.406	9.50	0.02	32.80	42.32	57.73	15.41	QP
5	0.505	9.50	0.03	20.30	29.83	46.00	16.17	Average
6	0.505	9.50	0.03	29.37	38.90	56.00	17.10	QP
7	0.923	9.49	0.05	17.80	27.34	46.00	18.66	Average
8	0.923	9.49	0.05	26.44	35.98	56.00	20.02	QP
9	1.403	9.49	0.05	18.60	28.14	46.00	17.86	Average
10	1.403	9.49	0.05	27.14	36.68	56.00	19.32	QP
11	2.167	9.49	0.06	17.60	27.15	46.00	18.85	Average
12	2.167	9.49	0.06	26.77	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.174	9.47	0.01	25.60	35.08	54.77	19.69	Average
2	0.174	9.47	0.01	34.15	43.63	64.77	21.14	QP
3	0.393	9.42	0.02	29.40	38.84	47.99	9.15	Average
4	0.393	9.42	0.02	33.60	43.04	57.99	14.95	QP
5	0.505	9.31	0.03	20.40	29.74	46.00	16.26	Average
6	0.505	9.31	0.03	29.44	38.78	56.00	17.22	QP
7	1.229	9.35	0.05	17.30	26.70	46.00	19.30	Average
8	1.229	9.35	0.05	26.95	36.35	56.00	19.65	QP
9	1.418	9.35	0.05	18.61	28.01	46.00	17.99	Average
10	1.418	9.35	0.05	27.14	36.54	56.00	19.46	QP
11	2.088	9.36	0.06	17.60	27.02	46.00	18.98	Average
12	2.088	9.36	0.06	26.90	36.32	56.00	19.68	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

4. RADIATED EMISSION TEST

4.1. Test Equipment

4.1.1. For frequency range 30 MHz ~1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Mar.28,17	1 Year
2.	Spectrum Analyzer	Agilent	N9010A	MY52220804	Oct.15,16	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.22,17	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr.22,17	1 Year
5.	Bi-log Antenna	TESEQ	CBL6112D	35375	Aug.03,16	1 Year
6.	RF Cable	MIYAZAKI	CFD400NL-LW	No.3	Sep.26.16	1 Year
7.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.22,17	1 Year
8.	Attenuator	EMCI	EMCI-N-6-06	AT-N0639	Sep.26.16	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

Note: N/A means Not applicable.

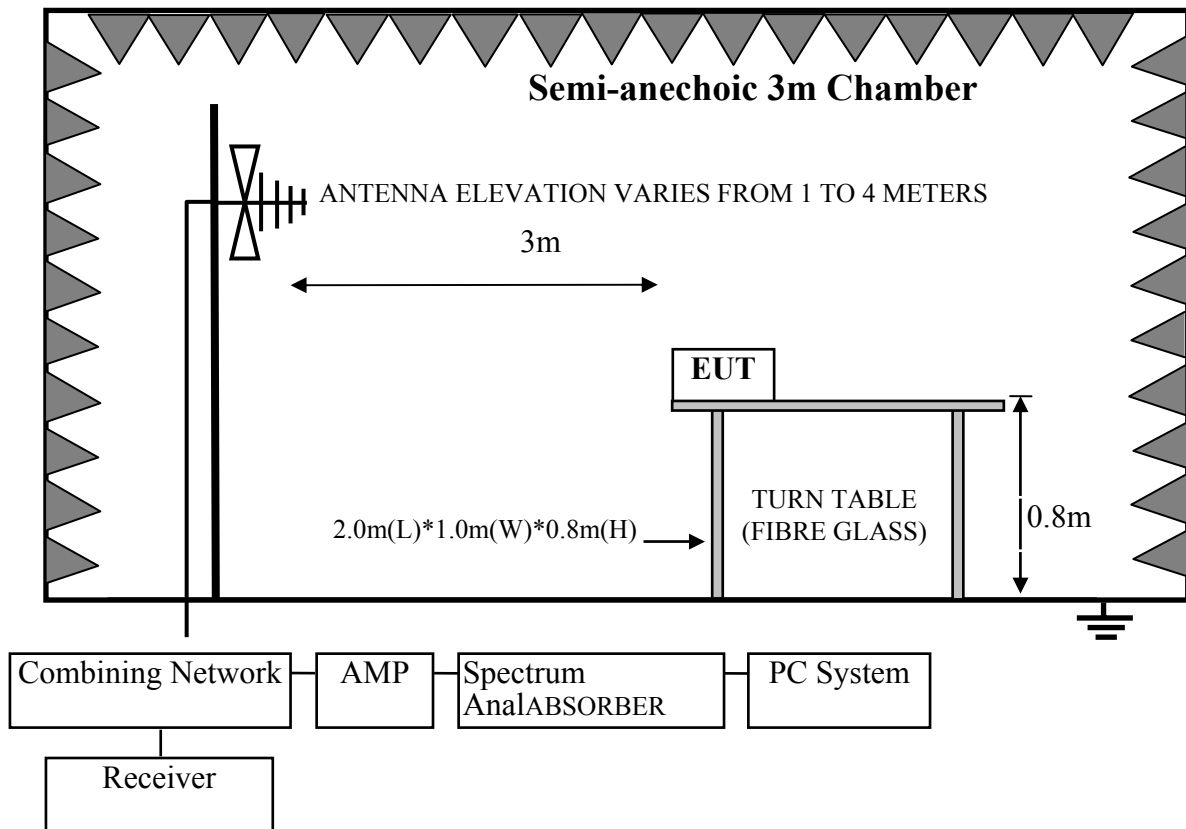
4.1.2. For frequency range 1GHz~40GHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Mar.28,17	1 Year
2.	Spectrum Analyzer	Agilent	N9010A	MY52220804	Oct.15,16	1 Year
3.	Amplifier	Agilent	83017A	MY53270084	May.08,17	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX104	274094/4	Apr.22,17	1 Year
5.	Horn Antenna	ETS	3115	9510-4580	Nov.16,16	1 Year
6.	Horn Antenna	ETS	3116	00060089	Nov.16,16	1 Year
7.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

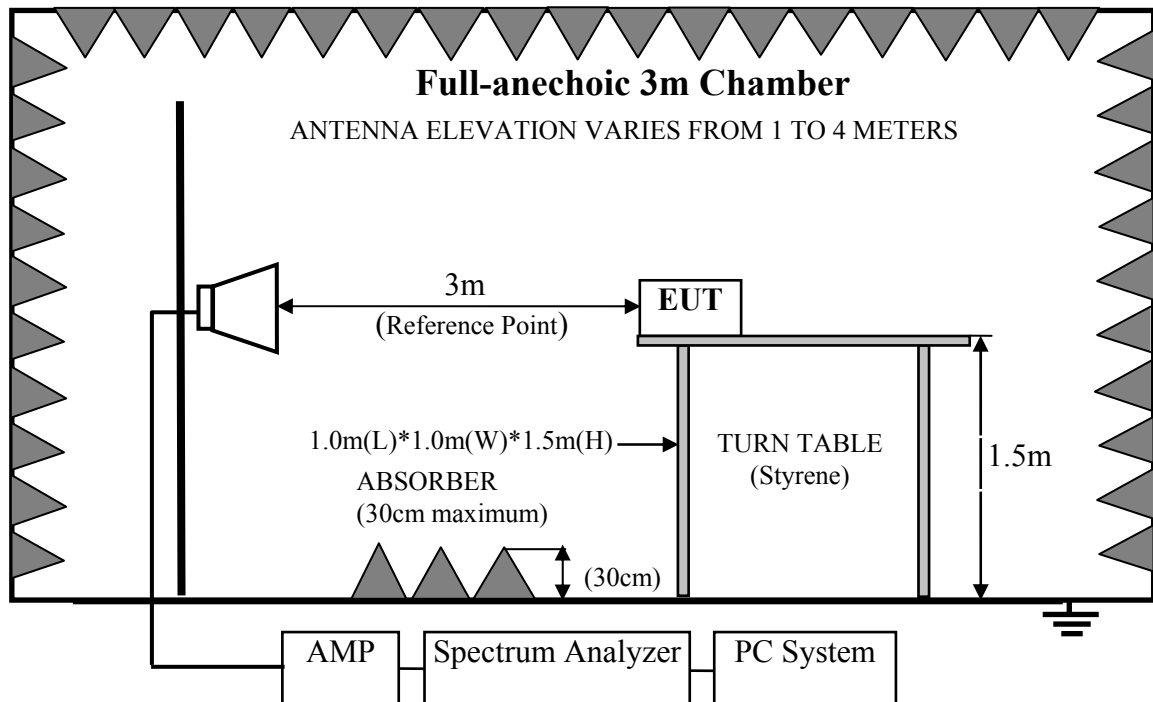
Note: N/A means Not applicable.

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



4.3.Radiated Emission Limit

For transmitters operating in the 5.15-5.25 GHz; 5.25-5.35GHz; 5.47-5.725GHz, 5.725-5.850GHz band: all emissions outside of those band shall not exceed an EIRP of -27 dBm/MHz. Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209

4.3.1.15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remarks : (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2.15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

4.4.EUT Configuration on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

4.4.1. Wireless Speaker (EUT)

Model Number : LF-S50G

Serial Number : N/A

4.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

4.5. Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 4.2.

4.5.2. Turn on the power of all equipments.

4.5.3. Let EUT work in Tx mode.

4.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)*2.4m(W)*0.3m(H) on the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horn antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

- (1). The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.
- (2). The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.
- (3). A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.
- (4). Repeated step 4 with both antenna polarizations
- (5). The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna. or use procedure (6).
- (6). Per KDB789033 clause H 2)d). if the test distance is 3m, the $EIRP(dBm) = E(dB\mu V/m) - 95.2$ Get the result of all unwanted emission outside the restricted band is less than the -27dBm/MHz.

We had checked frequency range that is 30MHz to 10th harmonic (40GHz) and no any emissions were found from 18GHz to 40GHz, so the radiated emission from 18GHz to 40GHz were not record.

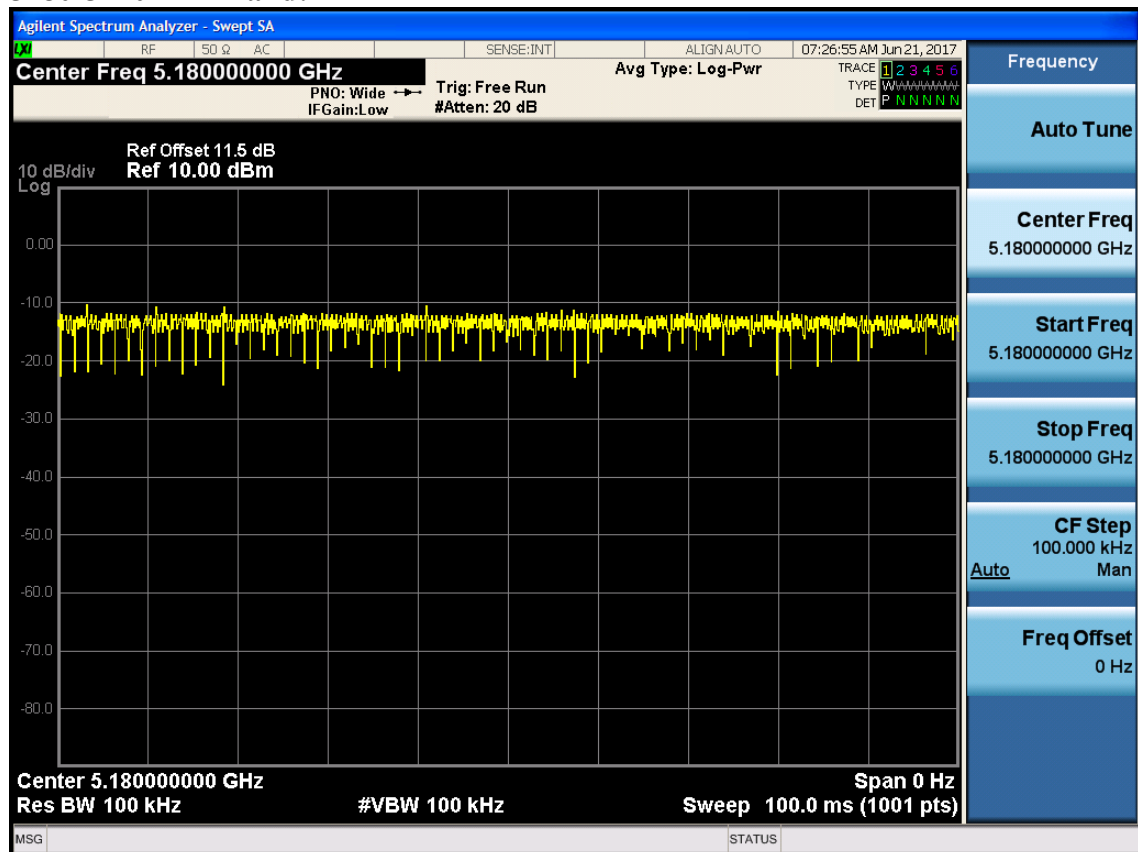
4.7. Radiated Emission Test Results

PASS.

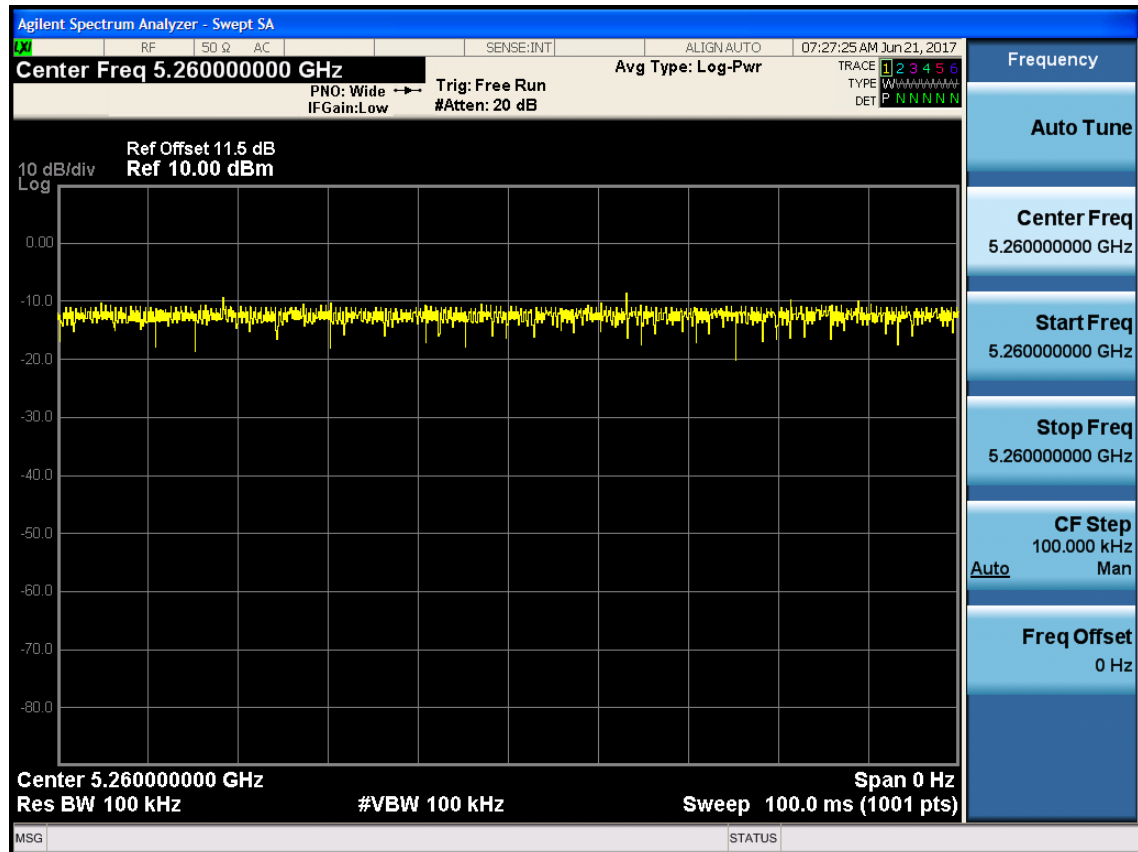
All the emissions from 30MHz to 1 GHz were comply with 15.209 limits.
All other emission comply with 15.407 (b)(1) requirements.

Duty cycle

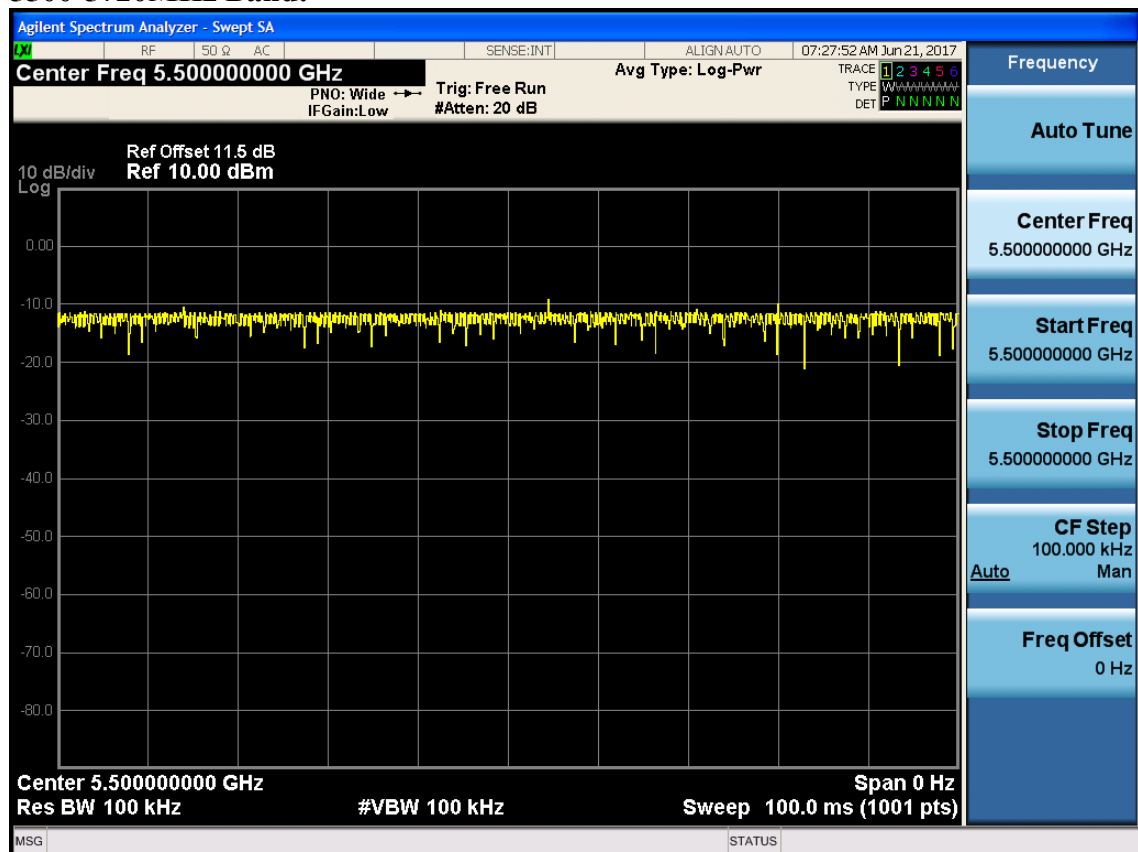
5180-5240MHz Band:



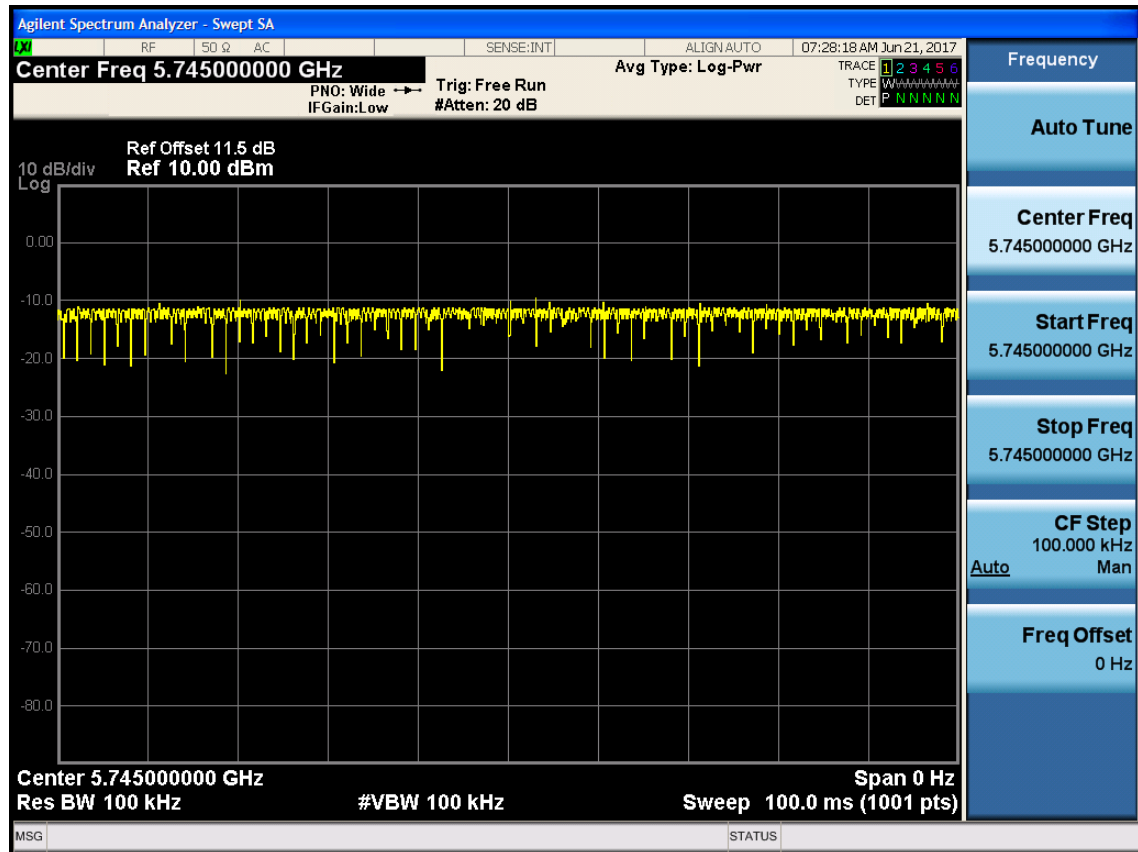
5260-5320MHz Band:



5500-5720MHz Band:

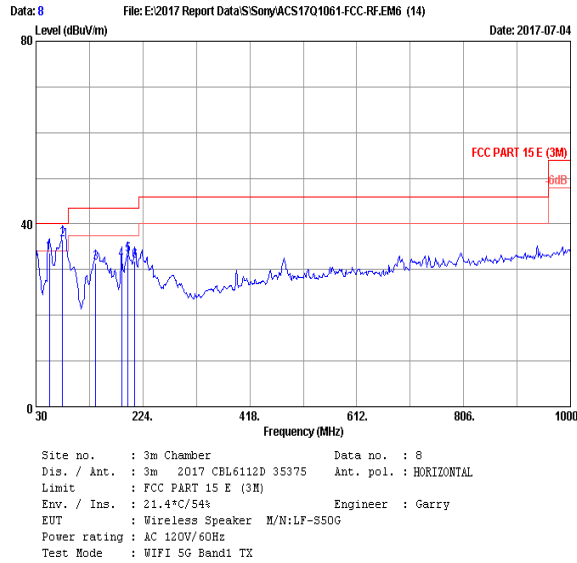


5745-5825MHz Band:



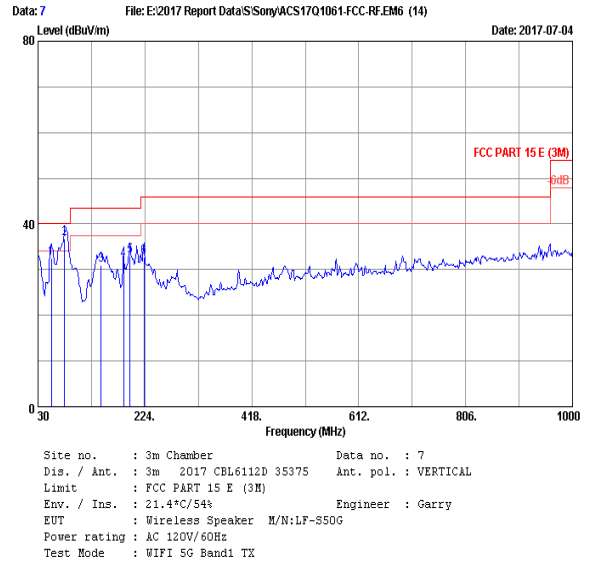
Note: The Duty Cycle is close to 100%.

5180-5240MHz Band 1: Frequency: 30MHz~1GHz



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	54.250	8.70	6.67	18.33	33.70	40.00	6.30	QP
2	78.500	7.63	6.84	22.12	36.59	40.00	3.41	QP
3	138.640	11.90	7.09	12.44	31.43	43.50	12.07	QP
4	185.200	10.20	7.31	14.48	31.99	43.50	11.51	QP
5	196.840	10.44	7.37	15.30	33.11	43.50	10.39	QP
6	209.450	10.74	7.42	13.75	31.91	43.50	11.59	QP

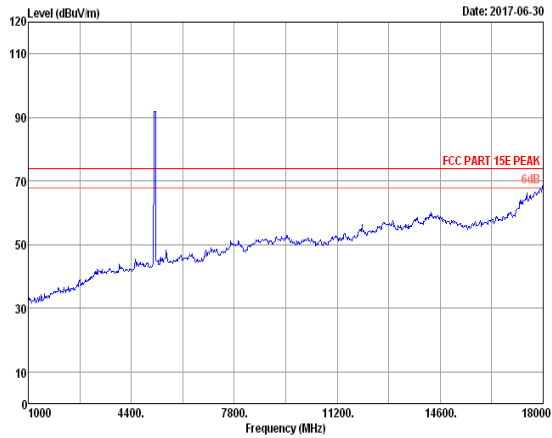
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



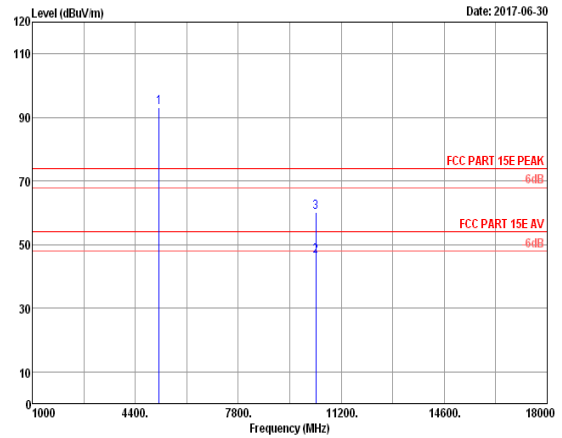
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	54.250	8.70	6.67	17.22	32.59	40.00	7.41	QP
2	78.500	7.63	6.84	22.27	36.74	40.00	3.26	QP
3	144.460	11.68	7.12	12.08	30.88	43.50	12.62	QP
4	185.200	10.20	7.31	14.49	32.00	43.50	11.50	QP
5	196.840	10.44	7.37	15.13	32.94	43.50	10.56	QP
6	222.060	11.16	7.47	14.18	32.81	46.00	13.19	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz



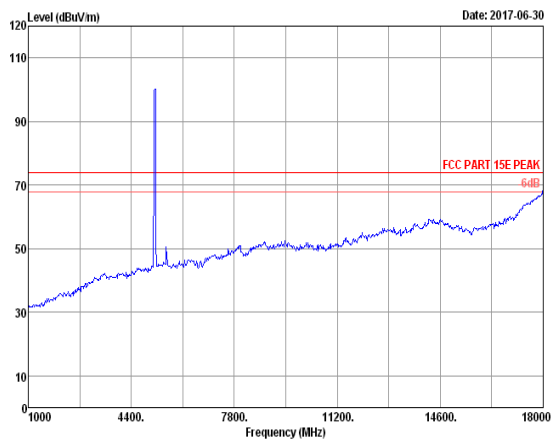
Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G



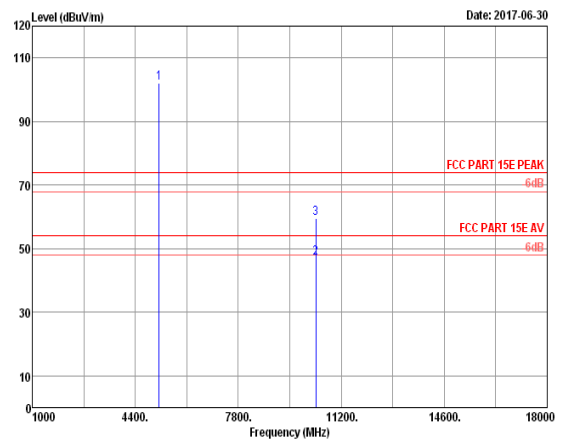
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	33.65	11.91	83.09	35.62	93.03	74.00	-19.03	Peak
2	10360.00	38.06	13.34	31.24	36.30	46.34	54.00	7.66	Average
3	10360.00	38.06	13.34	45.14	36.30	60.24	74.00	13.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



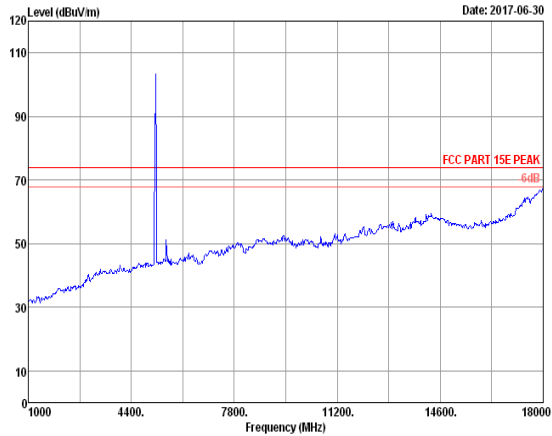
Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G



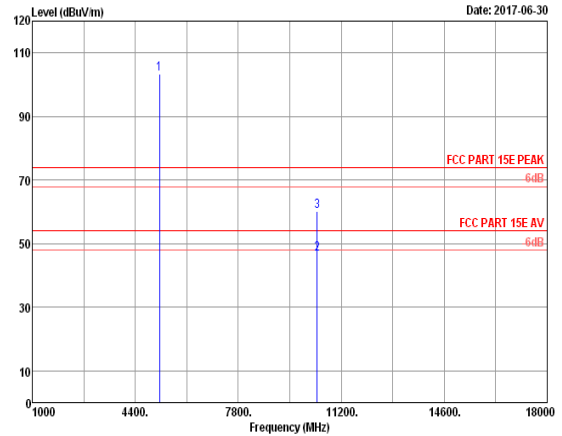
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	33.65	11.91	92.21	35.62	102.15	74.00	-28.15	Peak
2	10360.00	38.06	13.34	32.01	36.30	47.11	54.00	6.89	Average
3	10360.00	38.06	13.34	44.50	36.30	59.60	74.00	14.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



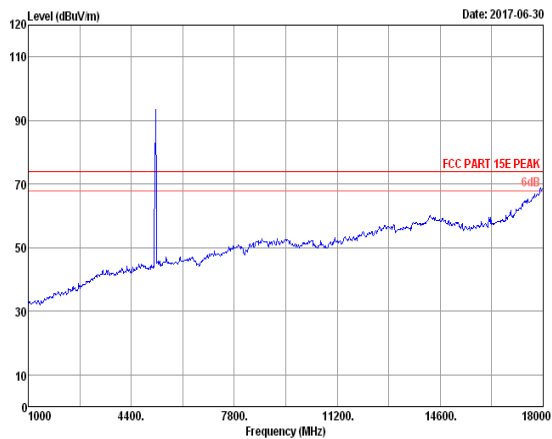
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 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5200MHz Tx Mode
 M/N: LF-S50G



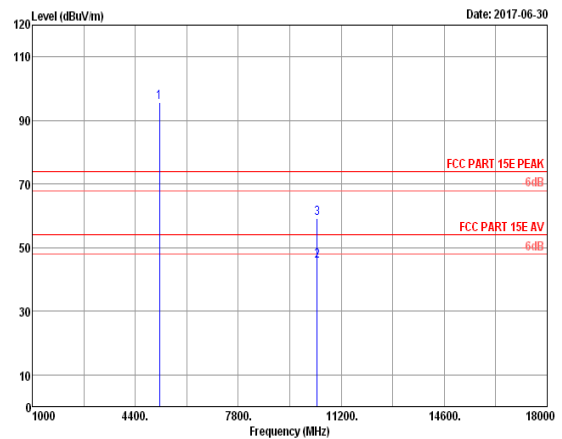
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 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5200MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	33.68	11.91	93.33	35.61	103.31	74.00	-29.31	Peak
2	10400.00	38.04	13.35	31.69	36.31	48.67	54.00	7.33	Average
3	10400.00	38.04	13.35	45.21	36.31	60.29	74.00	13.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



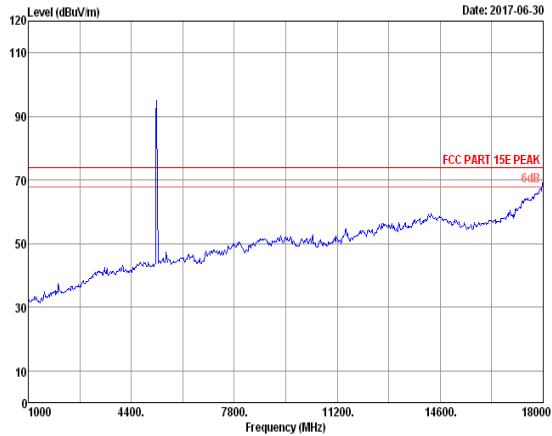
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5200MHz Tx Mode
 M/N: LF-S50G



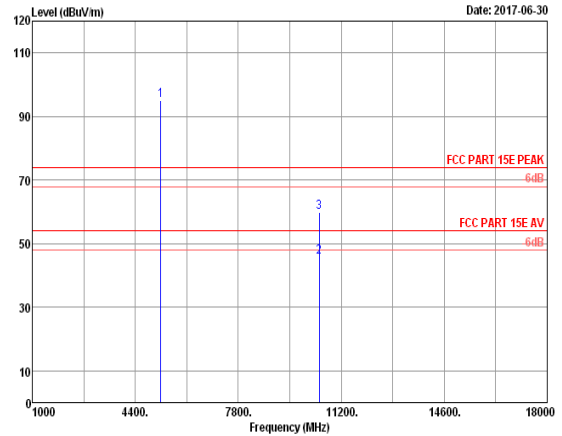
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5200MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	33.68	11.91	85.78	35.61	95.76	74.00	-21.76	Peak
2	10400.00	38.04	13.35	30.54	36.31	45.62	54.00	8.38	Average
3	10400.00	38.04	13.35	44.01	36.31	59.09	74.00	14.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



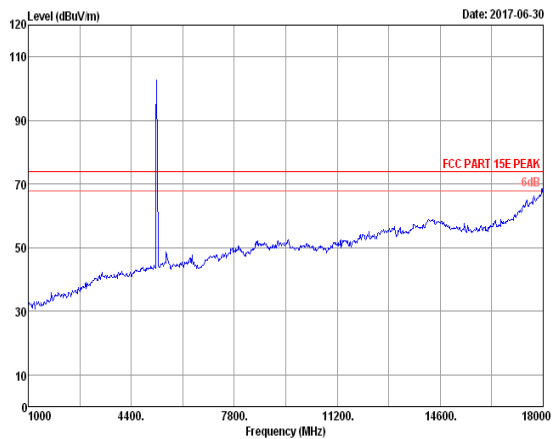
Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G



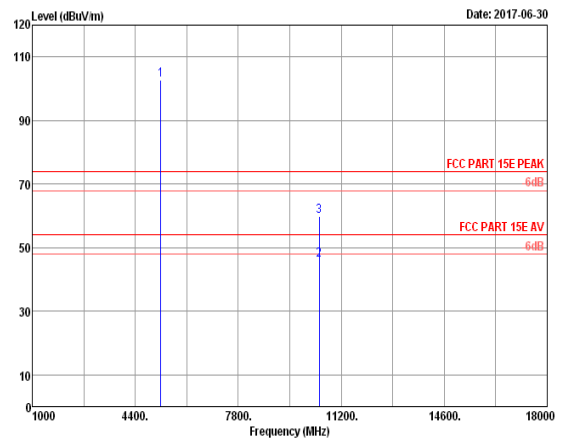
Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	33.74	11.91	84.85	35.59	94.91	74.00	-20.91	Peak
2	10480.00	38.01	13.37	30.77	36.32	45.83	54.00	8.17	Average
3	10480.00	38.01	13.37	44.73	36.32	59.79	74.00	14.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



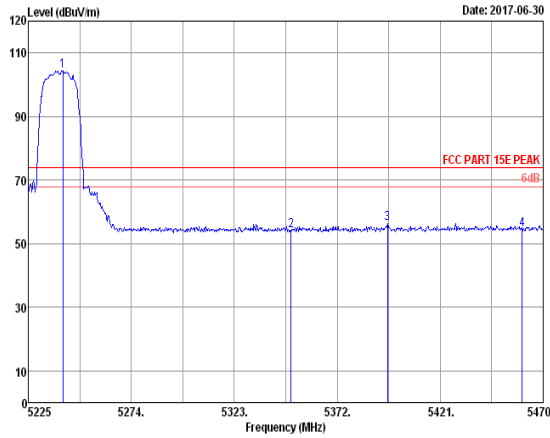
Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	33.74	11.91	92.68	35.59	102.74	74.00	-28.74	Peak
2	10480.00	38.01	13.37	30.99	36.32	46.05	54.00	7.95	Average
3	10480.00	38.01	13.37	44.68	36.32	59.74	74.00	14.26	Peak

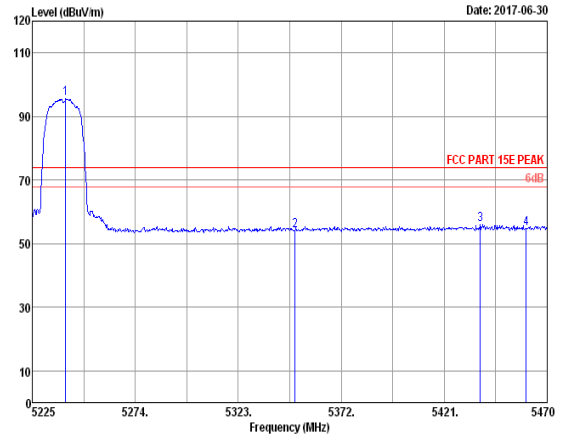
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5241.42	33.74	11.91	94.32	35.59	104.38	74.00	-30.38	Peak
2	5350.00	33.89	11.93	43.72	35.53	54.01	74.00	19.99	Peak
3	5396.01	33.95	11.94	46.89	35.51	56.27	74.00	17.73	Peak
4	5460.00	34.04	11.94	43.96	35.47	54.47	74.00	19.53	Peak

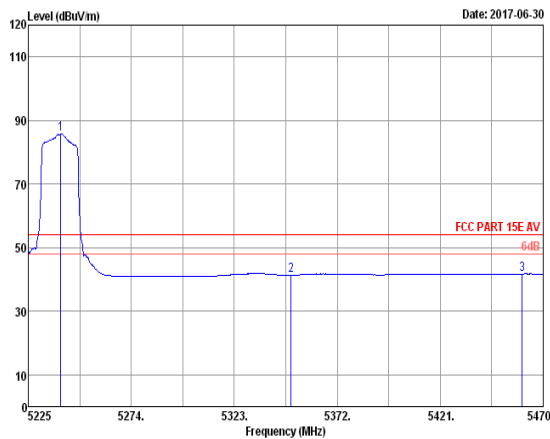
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.93	33.74	11.91	85.47	35.59	95.53	74.00	-21.53	Peak
2	5350.00	33.89	11.93	43.74	35.53	54.03	74.00	19.97	Peak
3	5438.15	34.01	11.94	45.45	35.48	55.92	74.00	18.08	Peak
4	5460.00	34.04	11.94	44.10	35.47	54.61	74.00	19.39	Peak

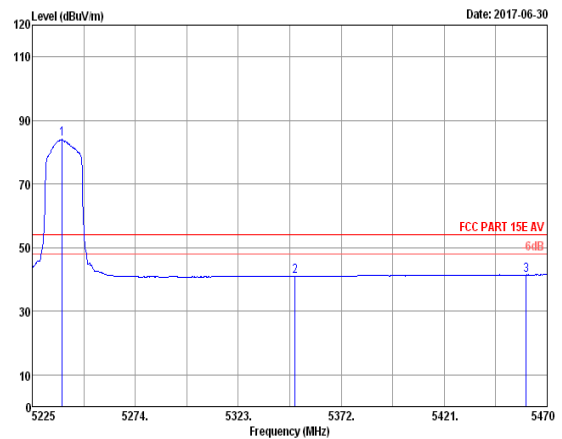
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.44	33.74	11.91	75.66	35.59	85.72	54.00	-31.72	Average
2	5350.00	33.89	11.93	31.02	35.53	41.31	54.00	12.69	Average
3	5460.00	34.04	11.94	31.22	35.47	41.73	54.00	12.27	Average

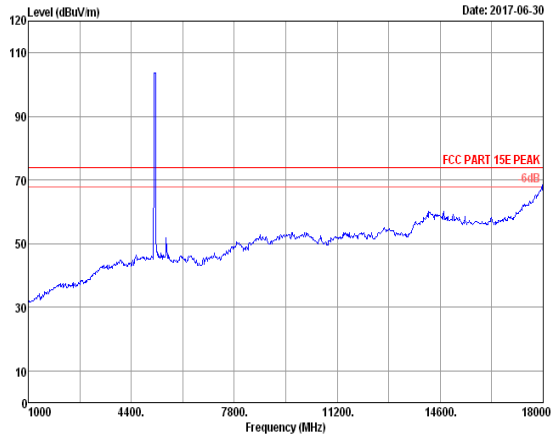
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



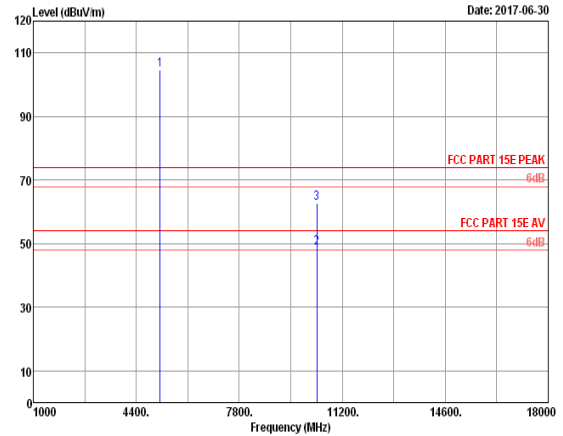
Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5239.21	33.73	11.91	73.95	35.59	84.00	54.00	-30.00	Average
2	5350.00	33.89	11.93	30.67	35.53	40.96	54.00	13.04	Average
3	5460.00	34.04	11.94	30.91	35.47	41.42	54.00	12.58	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



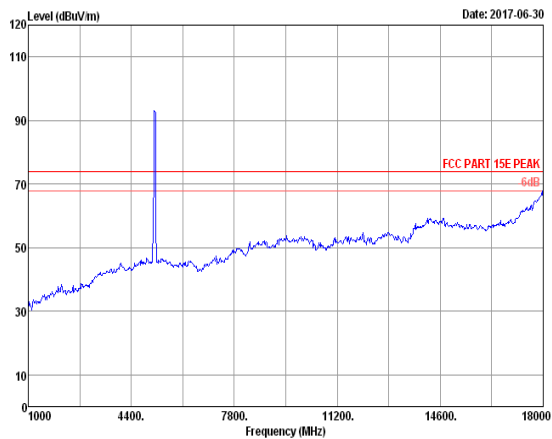
Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 M/N: LF-S50G



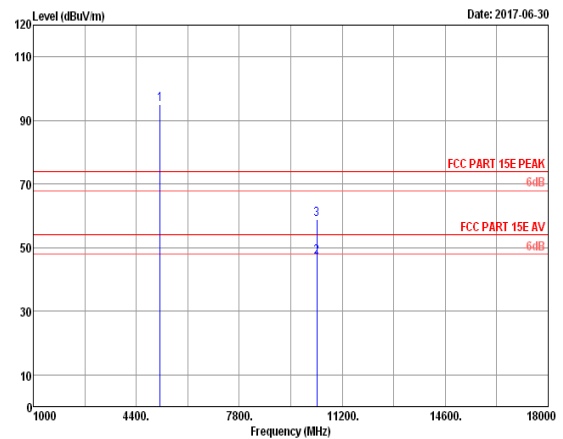
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	33.65	11.91	93.07	33.91	104.72	74.00	-30.72	Peak
2	10360.00	38.06	13.34	32.98	35.58	48.80	54.00	5.20	Average
3	10360.00	38.06	13.34	46.84	35.58	62.66	74.00	11.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



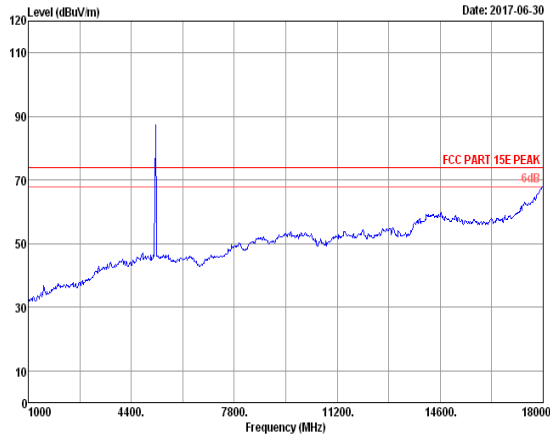
Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 M/N: LF-S50G



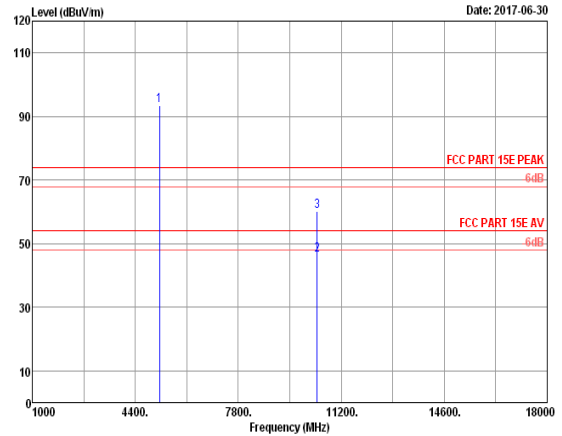
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	33.65	11.91	83.41	33.91	95.06	74.00	-21.06	Peak
2	10360.00	38.06	13.34	31.21	35.58	47.03	54.00	6.97	Average
3	10360.00	38.06	13.34	42.91	35.58	58.73	74.00	15.27	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



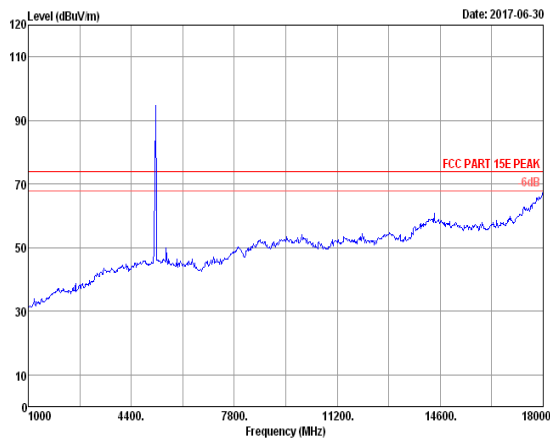
Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5200MHz Tx Mode
 M/N: LF-S50G



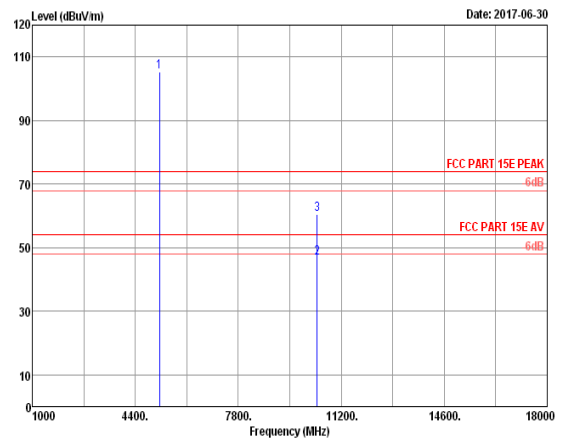
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5200MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	33.68	11.91	81.92	33.95	93.56	74.00	-19.56	Peak
2	10400.00	38.04	13.35	30.86	35.80	46.45	54.00	7.55	Average
3	10400.00	38.04	13.35	44.44	35.80	60.03	74.00	13.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



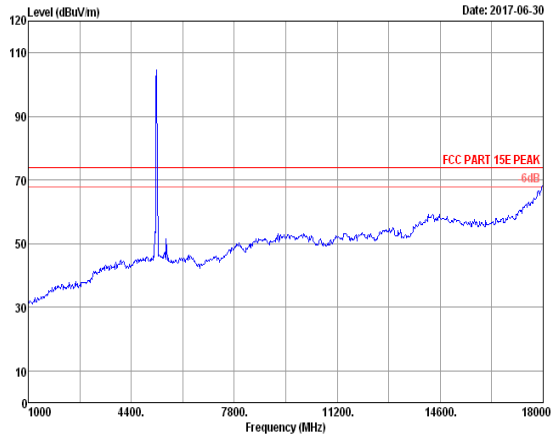
Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5200MHz Tx Mode
 M/N: LF-S50G



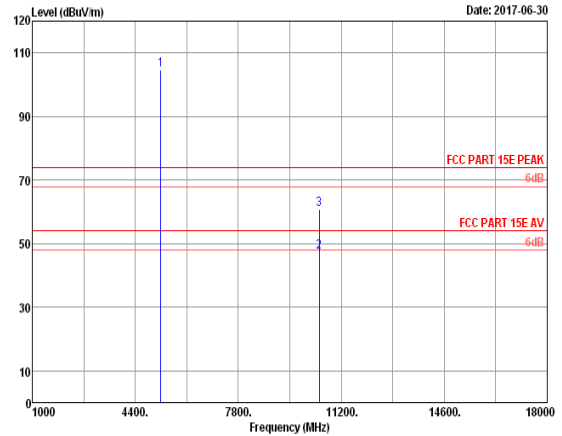
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5200MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	33.68	11.91	93.65	33.95	105.29	74.00	-31.29	Peak
2	10400.00	38.04	13.35	31.15	35.80	46.74	54.00	7.26	Average
3	10400.00	38.04	13.35	44.74	35.80	60.33	74.00	13.67	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



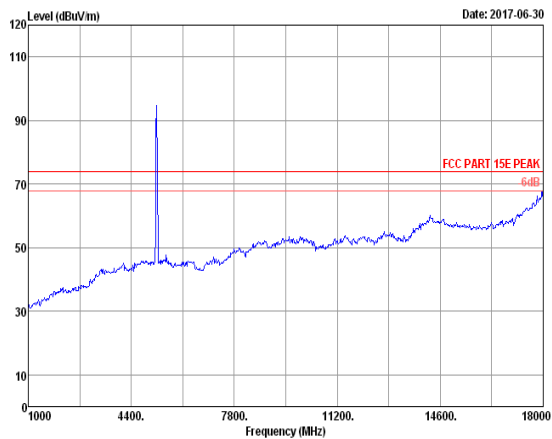
Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 M/N: LF-S50G



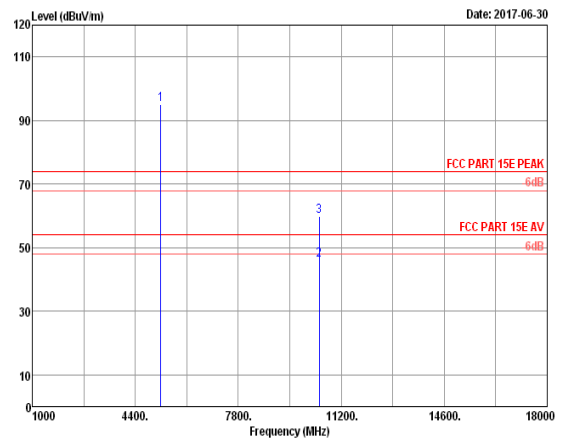
Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	33.74	11.91	92.86	33.99	104.52	74.00	-30.52	Peak
2	10480.00	38.01	13.37	32.11	36.13	47.36	54.00	6.64	Average
3	10480.00	38.01	13.37	45.70	36.13	60.85	74.00	13.05	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



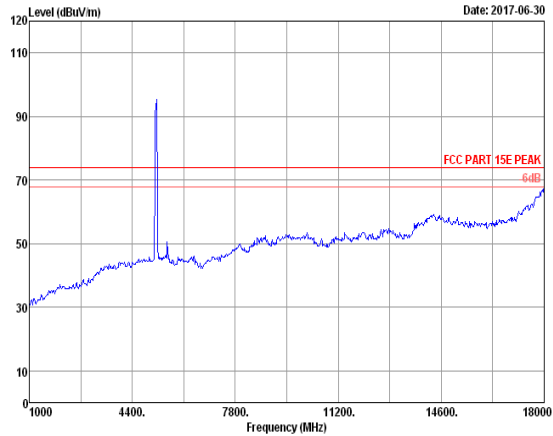
Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 M/N: LF-S50G



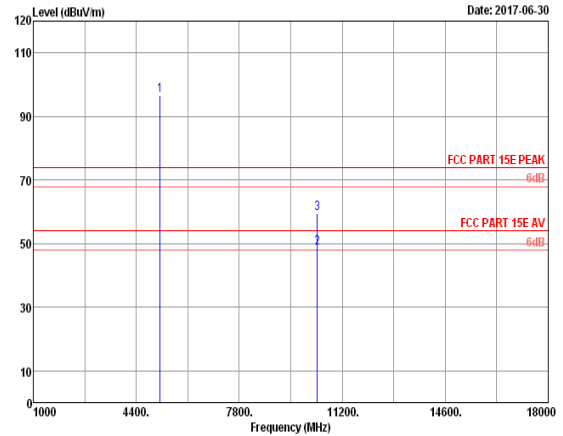
Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	33.74	11.91	83.24	33.99	94.90	74.00	-20.90	Peak
2	10480.00	38.01	13.37	30.89	36.13	46.14	54.00	7.86	Average
3	10480.00	38.01	13.37	44.56	36.13	59.81	74.00	14.19	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



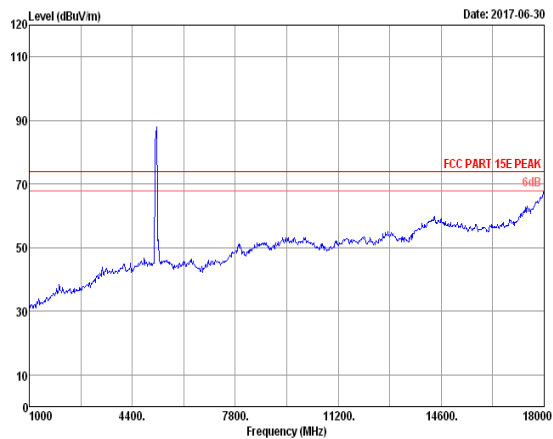
Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 M/N: LF-S50G



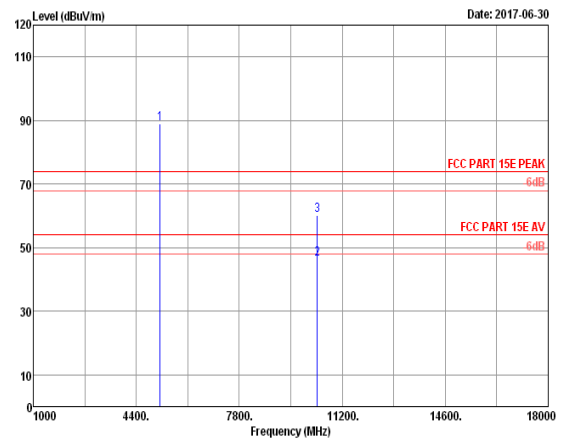
Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	33.67	11.91	84.85	33.91	96.52	74.00	-22.52	Peak
2	10380.00	38.05	13.35	33.04	35.69	48.75	54.00	5.25	Average
3	10380.00	38.05	13.35	43.88	35.69	59.59	74.00	14.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



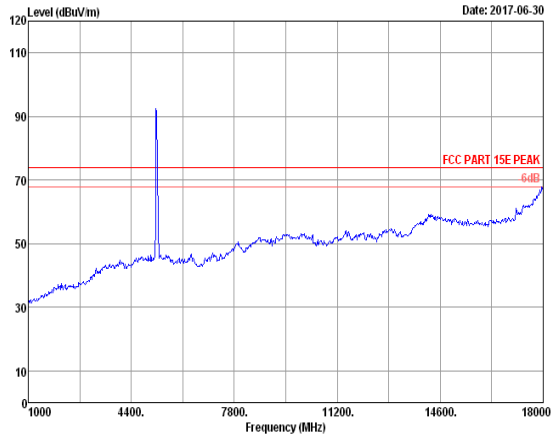
Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 M/N: LF-S50G



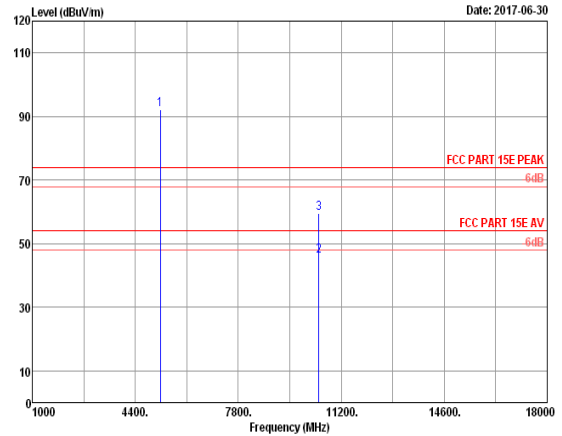
Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	33.67	11.91	77.41	33.91	89.08	74.00	-15.08	Peak
2	10380.00	38.05	13.35	30.60	35.69	46.31	54.00	7.69	Average
3	10380.00	38.05	13.35	44.55	35.69	60.26	74.00	13.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



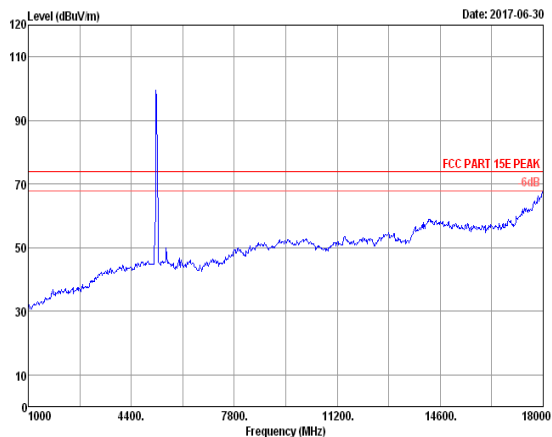
Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G



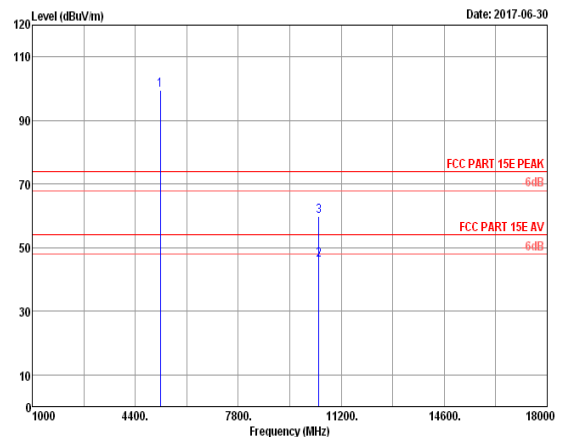
Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	33.72	11.91	80.67	33.99	92.31	74.00	-18.31	Peak
2	10460.00	38.02	13.37	30.76	36.02	46.13	54.00	7.87	Average
3	10460.00	38.02	13.37	44.29	36.02	59.66	74.00	14.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

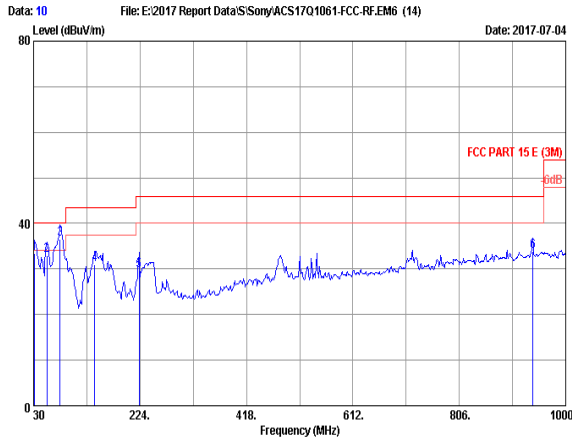


Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	33.72	11.91	87.84	33.99	99.48	74.00	-25.48	Peak
2	10460.00	38.02	13.37	30.78	36.02	46.15	54.00	7.85	Average
3	10460.00	38.02	13.37	44.47	36.02	59.84	74.00	14.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

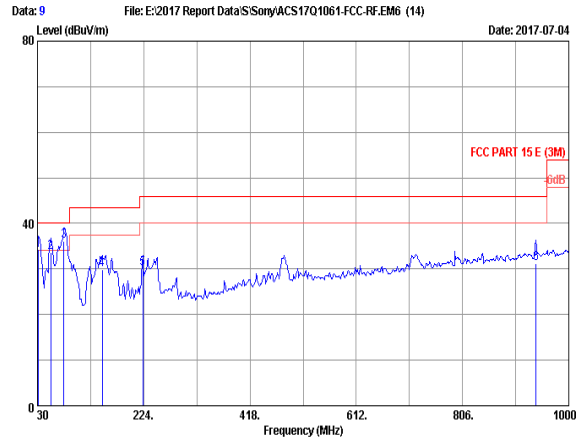
5260-5320MHz Band 2: Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band2 TX

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.00	6.58	8.79	33.37	40.00	6.63	QP
2	54.250	8.70	6.67	17.56	32.93	40.00	7.07	QP
3	78.500	7.63	6.84	22.13	36.60	40.00	3.40	QP
4	141.550	11.75	7.11	12.09	30.95	43.50	12.55	QP
5	222.060	11.16	7.47	10.94	29.57	46.00	16.43	QP
6	939.860	22.14	10.47	1.17	33.78	46.00	12.22	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

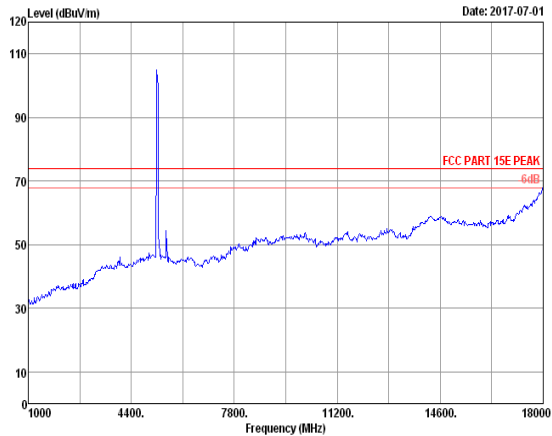


Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band2 TX

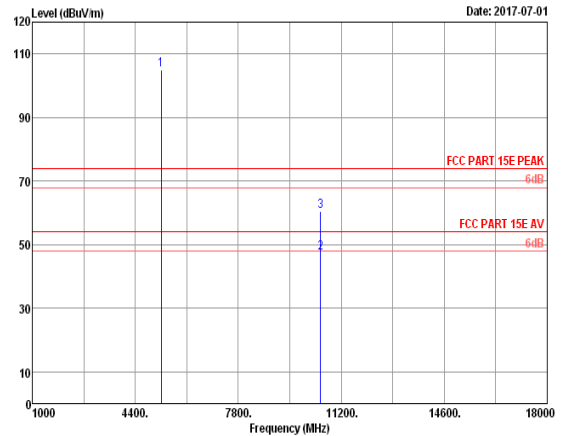
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.00	6.58	9.63	34.21	40.00	5.79	QP
2	54.250	8.70	6.67	18.33	33.70	40.00	6.30	QP
3	78.500	7.63	6.84	21.56	36.03	40.00	3.97	QP
4	148.340	11.59	7.14	11.21	29.94	43.50	13.56	QP
5	222.060	11.16	7.47	11.45	30.08	46.00	15.92	QP
6	939.860	22.14	10.47	-1.32	31.29	46.00	14.71	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz



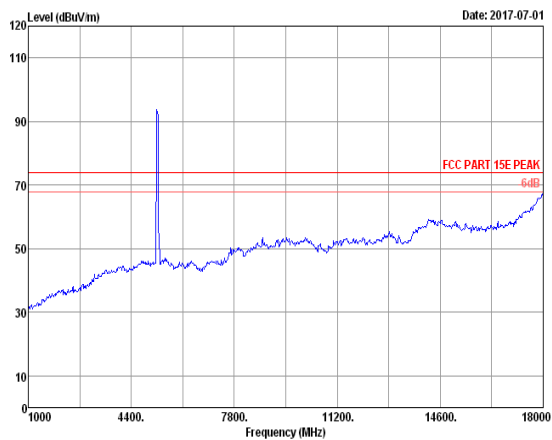
Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 M/N: LF-S50G



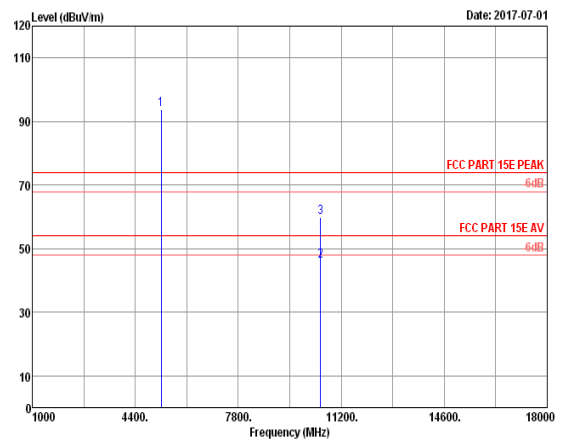
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.76	11.92	93.27	34.02	104.93	74.00	-30.93	Peak
2	10520.00	38.01	13.38	32.34	36.24	47.49	54.00	6.51	Average
3	10520.00	38.01	13.38	45.45	36.24	60.60	74.00	13.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



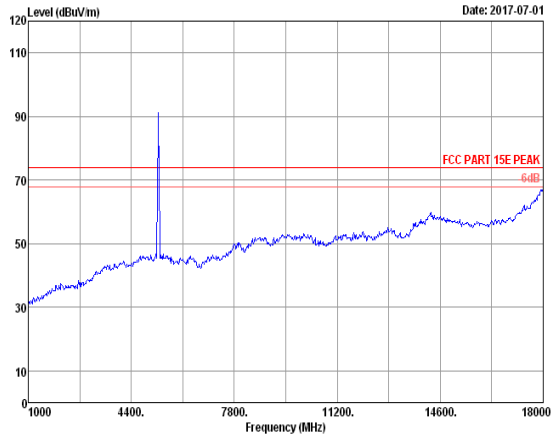
Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 M/N: LF-S50G



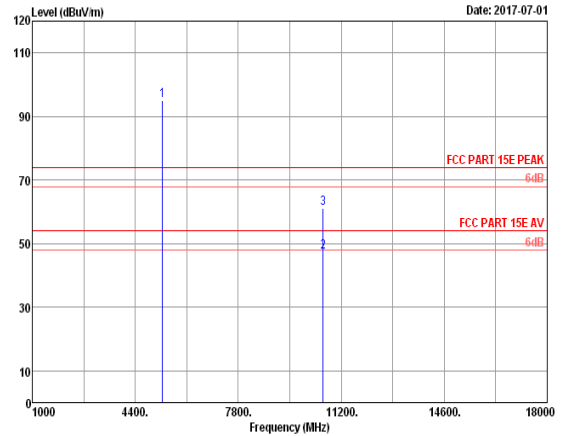
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.76	11.92	82.09	34.02	93.75	74.00	-19.75	Peak
2	10520.00	38.01	13.38	31.00	36.24	46.15	54.00	7.85	Average
3	10520.00	38.01	13.38	44.78	36.24	59.93	74.00	14.07	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



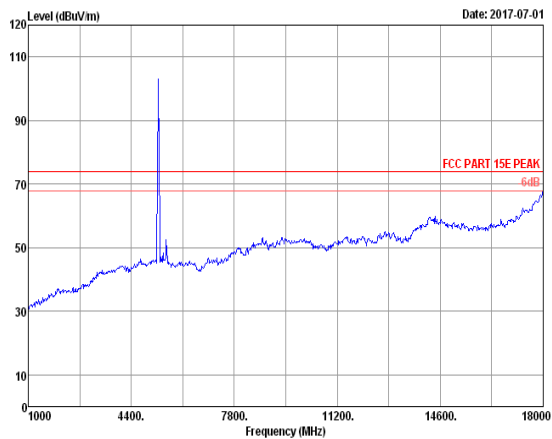
Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5300MHz Tx Mode
 M/N: LF-S50G



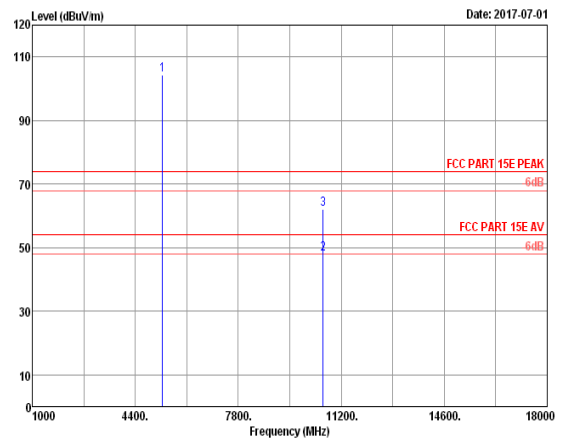
Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5300MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.82	11.92	83.38	34.10	95.02	74.00	-21.02	Peak
2	10600.00	38.06	13.39	32.23	36.25	47.43	54.00	6.57	Average
3	10600.00	38.06	13.39	46.07	36.25	61.27	74.00	12.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



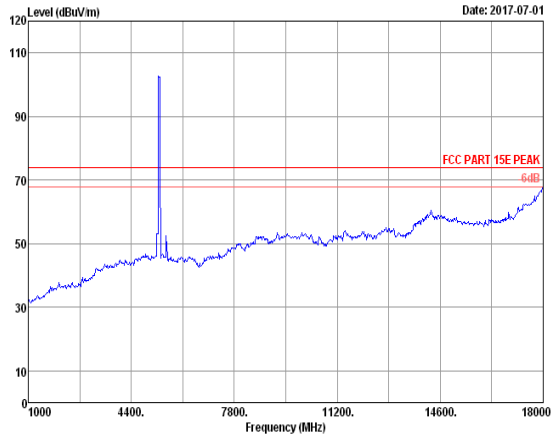
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5300MHz Tx Mode
 M/N: LF-S50G



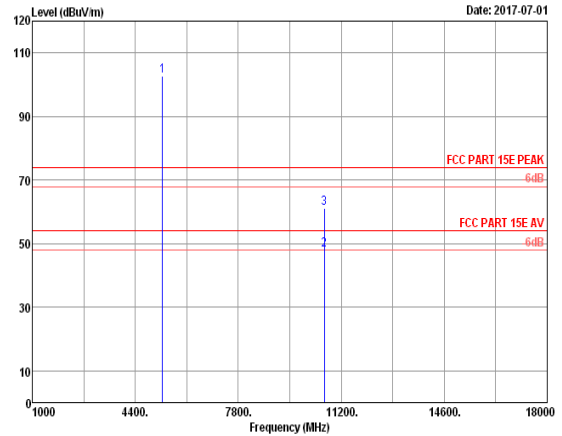
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5300MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.82	11.92	92.53	34.10	104.17	74.00	-30.17	Peak
2	10600.00	38.06	13.39	32.75	36.25	47.95	54.00	6.05	Average
3	10600.00	38.06	13.39	46.81	36.25	62.01	74.00	11.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



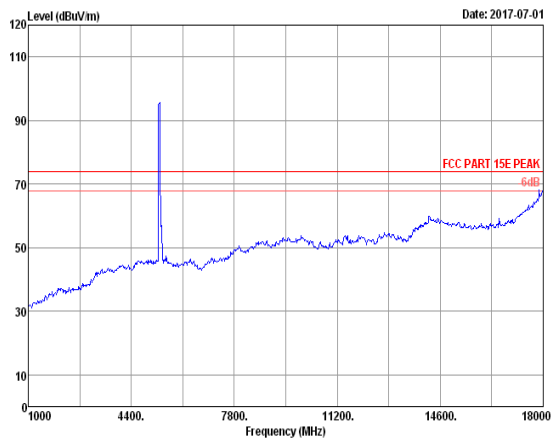
Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 M/N: LF-S50G



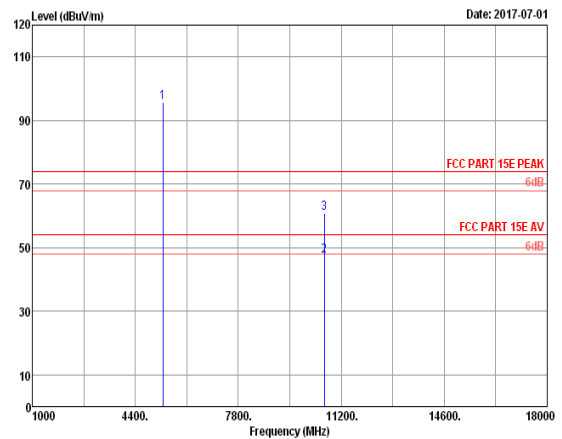
Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5301.00	33.82	11.92	91.10	34.10	102.74	74.00	-28.74	Peak
2	10640.00	38.08	13.40	32.91	36.25	48.14	54.00	5.88	Average
3	10640.00	38.08	13.40	45.79	36.25	61.02	74.00	12.98	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



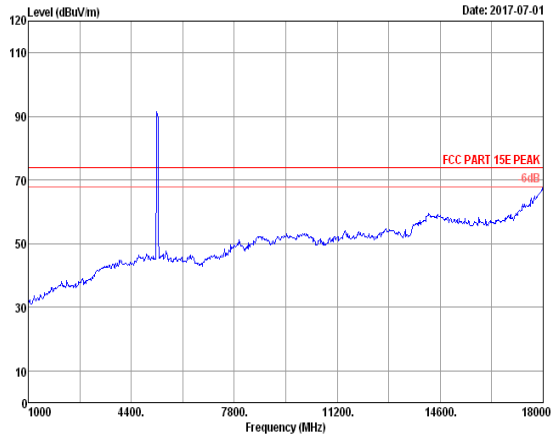
Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 M/N: LF-S50G



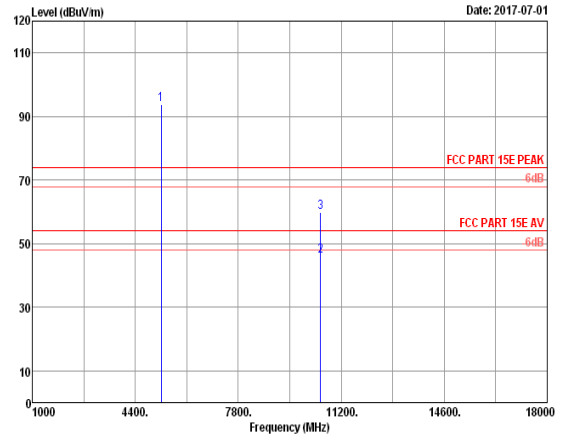
Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.85	11.92	83.95	34.10	95.62	74.00	-21.62	Peak
2	10640.00	38.08	13.40	32.24	36.25	47.47	54.00	6.53	Average
3	10640.00	38.08	13.40	45.56	36.25	60.79	74.00	13.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



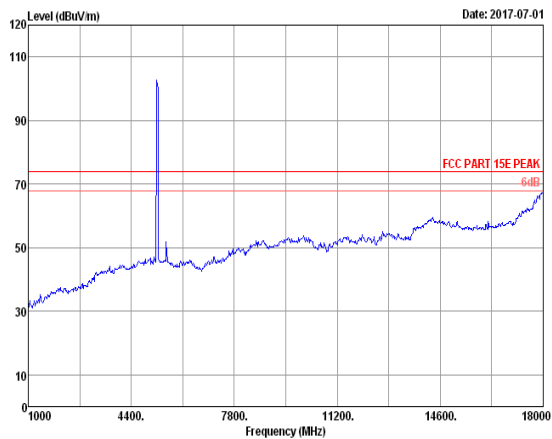
Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 M/N: LF-S50G



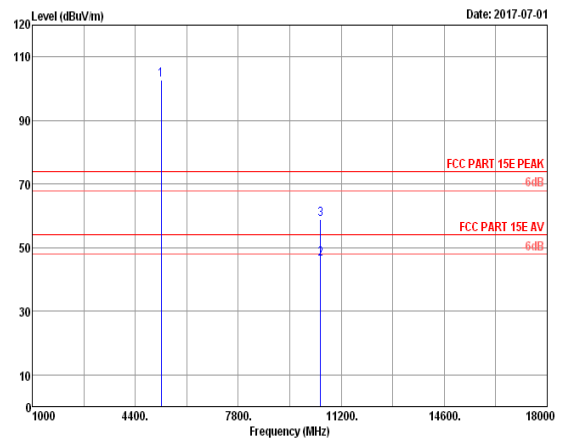
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.76	11.92	82.15	34.02	93.81	74.00	-19.81	Peak
2	10520.00	38.01	13.38	30.81	36.24	45.96	54.00	8.04	Average
3	10520.00	38.01	13.38	44.79	36.24	59.94	74.00	14.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



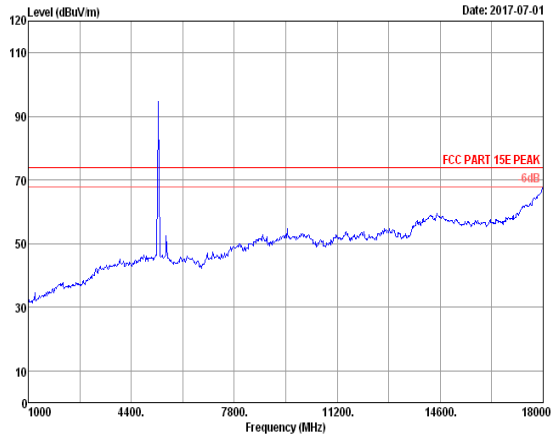
Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 M/N: LF-S50G



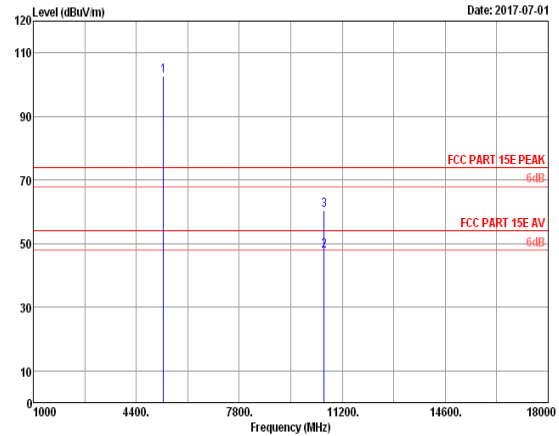
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.76	11.92	90.92	34.02	102.58	74.00	-28.58	Peak
2	10520.00	38.01	13.38	31.12	36.24	46.27	54.00	7.73	Average
3	10520.00	38.01	13.38	43.81	36.24	58.96	74.00	15.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



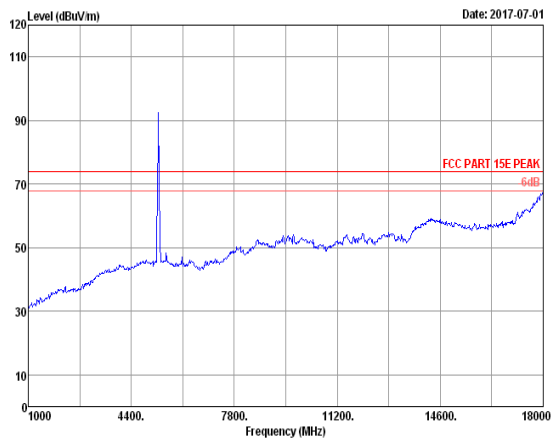
Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5300MHz Tx Mode
 M/N: LF-S50G



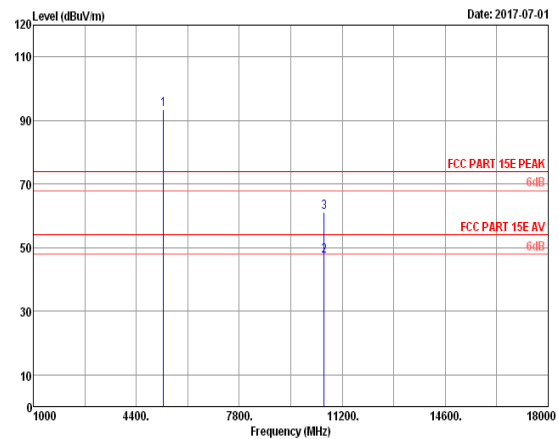
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5300MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.82	11.92	91.15	34.10	102.79	74.00	-28.79	Peak
2	10600.00	38.06	13.39	32.55	36.25	47.75	54.00	6.25	Average
3	10600.00	38.06	13.39	45.39	36.25	60.59	74.00	13.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



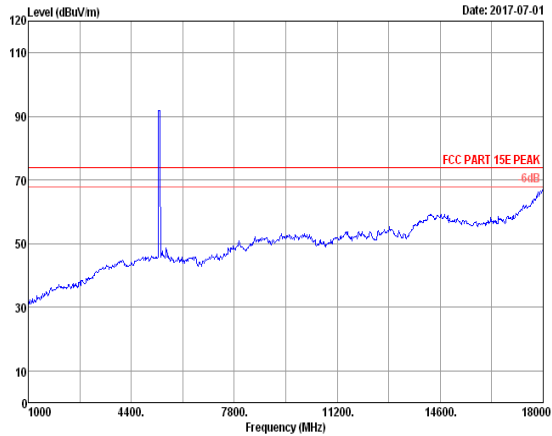
Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5300MHz Tx Mode
 M/N: LF-S50G



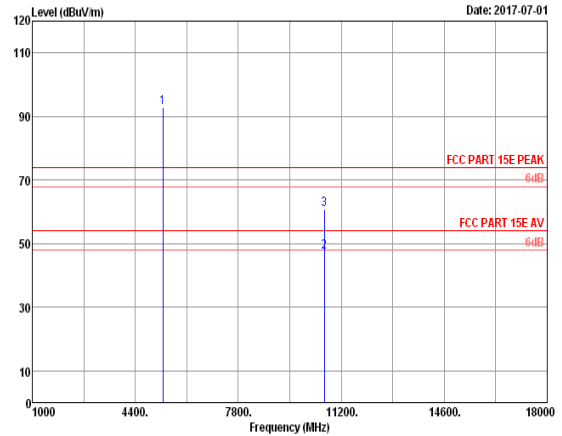
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5300MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.82	11.92	81.92	34.10	93.56	74.00	-19.56	Peak
2	10600.00	38.06	13.39	32.10	36.25	47.30	54.00	6.70	Average
3	10600.00	38.06	13.39	45.85	36.25	61.05	74.00	12.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



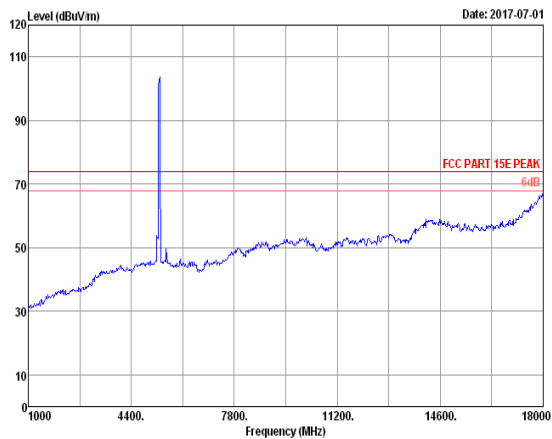
Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 M/N: LF-S50G



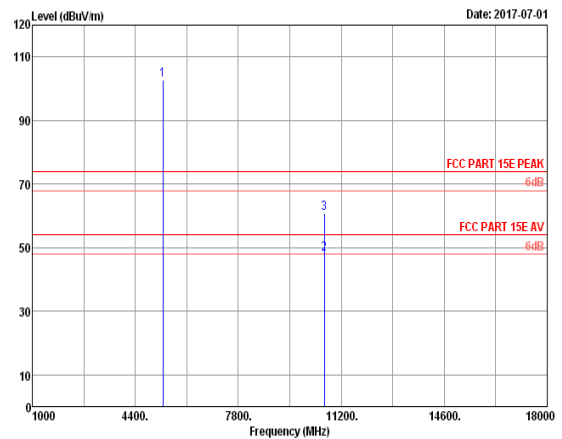
Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.85	11.92	81.16	34.10	92.83	74.00	-18.83	Peak
2	10640.00	38.08	13.40	32.21	36.25	47.44	54.00	6.56	Average
3	10640.00	38.08	13.40	45.59	36.25	60.82	74.00	13.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



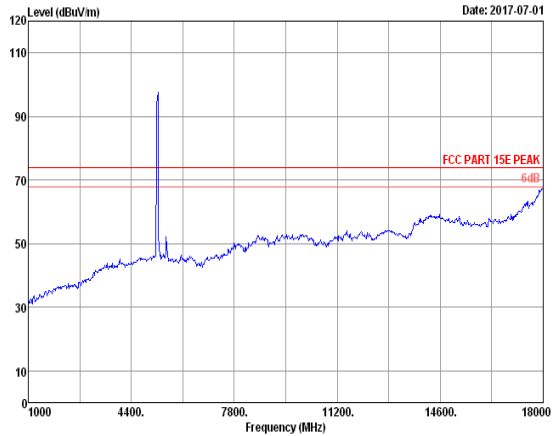
Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 M/N: LF-S50G



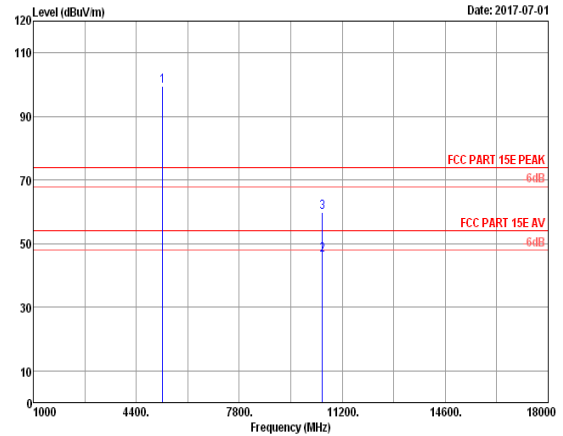
Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.85	11.92	90.90	34.10	102.57	74.00	-28.57	Peak
2	10640.00	38.08	13.40	32.63	36.25	47.86	54.00	6.14	Average
3	10640.00	38.08	13.40	45.53	36.25	60.76	74.00	13.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



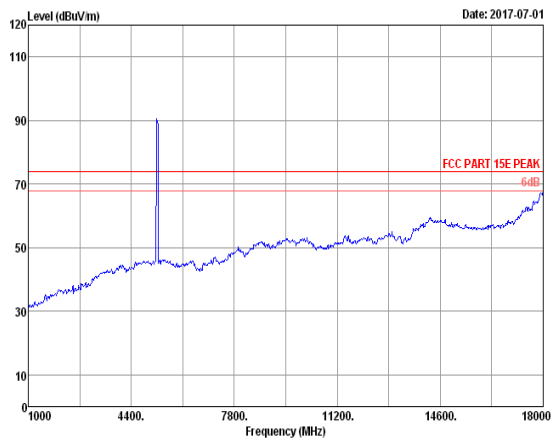
Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 M/N: LF-S50G



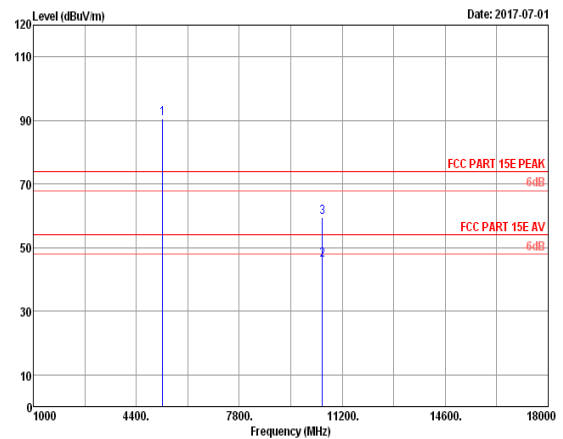
Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.78	11.92	87.92	34.02	99.60	74.00	-25.60	Peak
2	10540.00	38.02	13.38	31.21	36.24	46.37	54.00	7.63	Average
3	10540.00	38.02	13.38	44.65	36.24	59.81	74.00	14.19	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



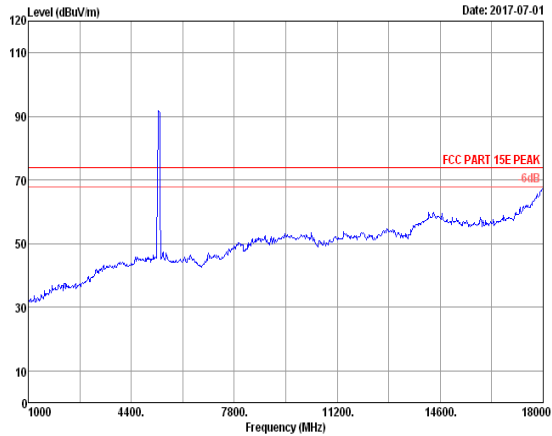
Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 M/N: LF-S50G



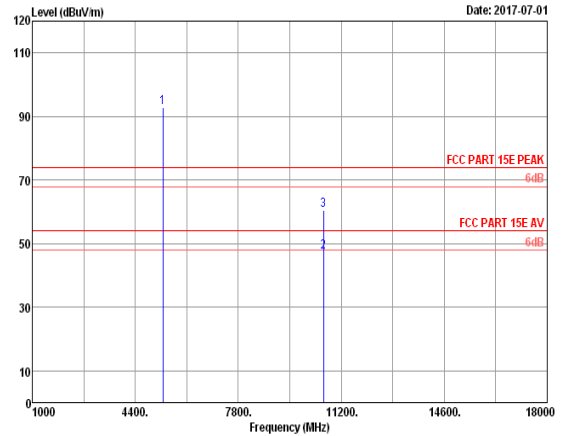
Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.78	11.92	78.81	34.02	90.49	74.00	-16.49	Peak
2	10540.00	38.02	13.38	30.94	36.24	46.10	54.00	7.90	Average
3	10540.00	38.02	13.38	44.45	36.24	59.61	74.00	14.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



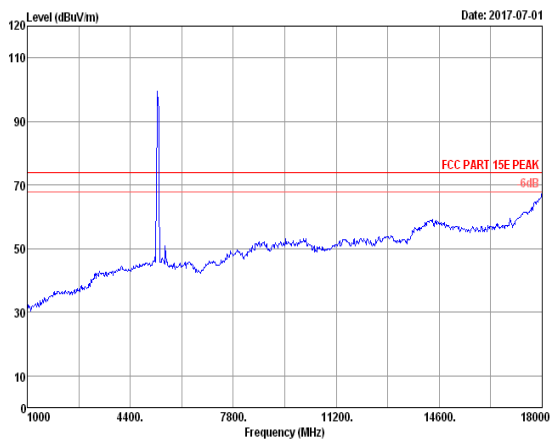
Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 N/N: LF-S50G



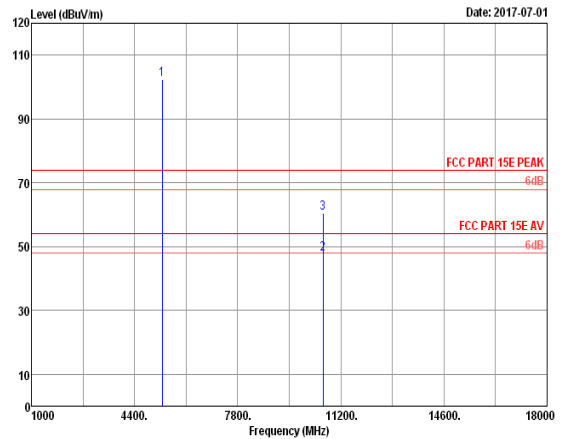
Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 N/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.83	11.92	81.18	34.10	92.83	74.00	-18.83	Peak
2	10620.00	38.07	13.39	32.19	36.25	47.40	54.00	6.60	Average
3	10620.00	38.07	13.39	45.40	36.25	60.61	74.00	13.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 N/N: LF-S50G

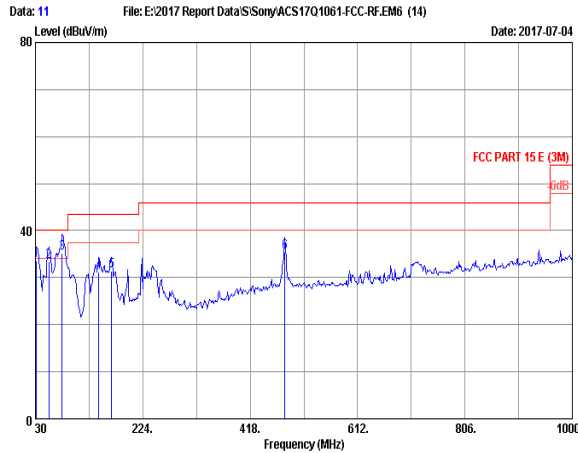


Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 N/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.83	11.92	90.73	34.10	102.38	74.00	-28.38	Peak
2	10620.00	38.07	13.39	32.36	36.25	47.57	54.00	6.43	Average
3	10620.00	38.07	13.39	45.34	36.25	60.55	74.00	13.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

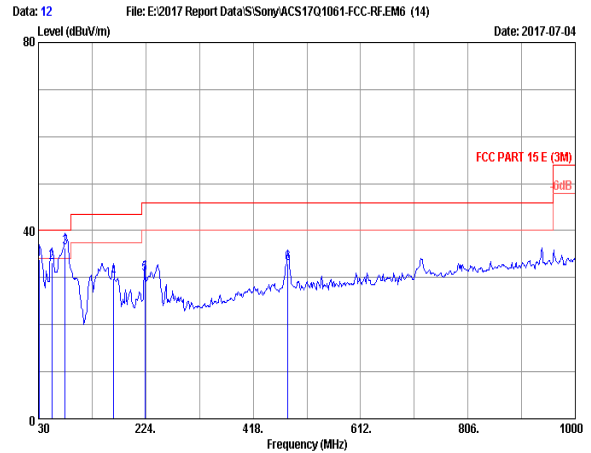
5500-5720MHz Band 3: Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band3 TX

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.00	6.58	9.07	33.65	40.00	6.35	QP
2	54.250	8.70	6.67	18.07	33.44	40.00	6.56	QP
3	78.500	7.63	6.84	20.68	35.15	40.00	4.85	QP
4	144.460	11.68	7.12	12.46	31.26	43.50	12.24	QP
5	167.740	10.84	7.23	13.33	31.40	43.50	12.10	QP
6	481.050	18.01	8.51	8.99	35.51	46.00	10.49	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

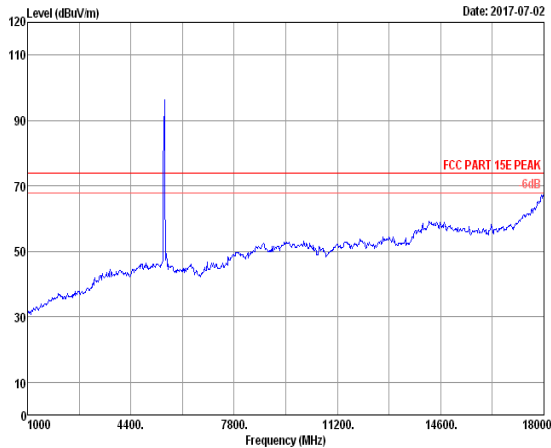


Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band3 TX

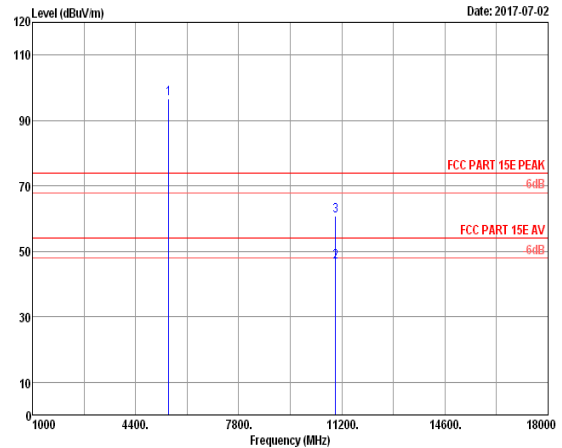
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.00	6.58	9.40	33.98	40.00	6.02	QP
2	54.250	8.70	6.67	17.85	33.22	40.00	6.78	QP
3	78.500	7.63	6.84	21.95	36.42	40.00	3.58	QP
4	165.800	10.96	7.22	11.75	29.93	43.50	13.57	QP
5	222.060	11.16	7.47	12.06	30.69	46.00	15.31	QP
6	481.050	18.01	8.51	6.41	32.93	46.00	13.07	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz



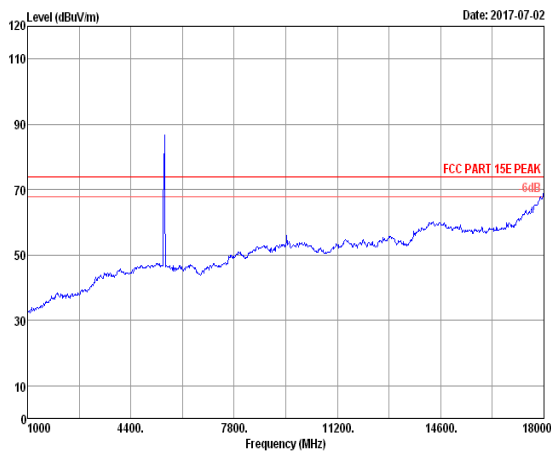
Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G



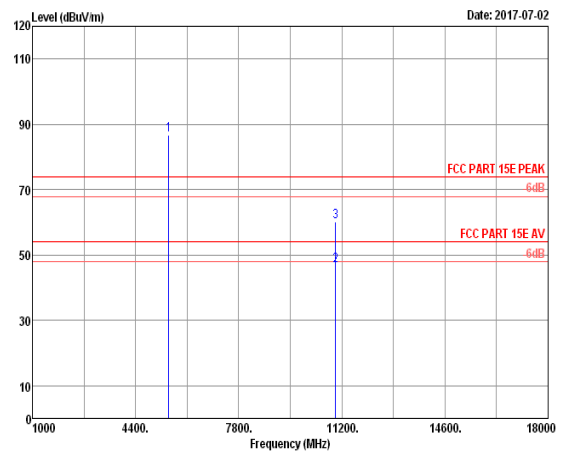
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	34.10	11.95	84.85	34.37	96.53	74.00	-22.53	Peak
2	11000.00	38.30	13.44	31.33	36.28	46.79	54.00	7.21	Average
3	11000.00	38.30	13.44	45.42	36.28	60.88	74.00	13.12	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



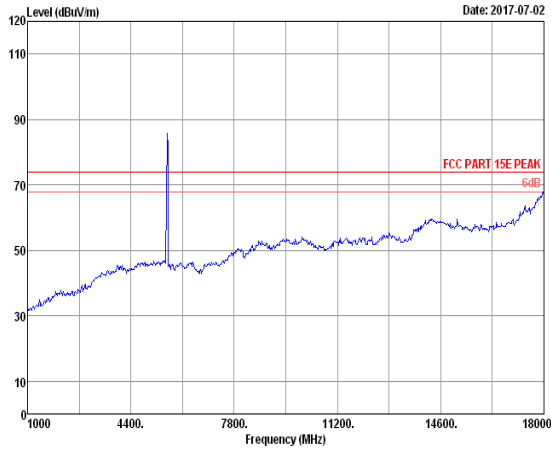
Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G



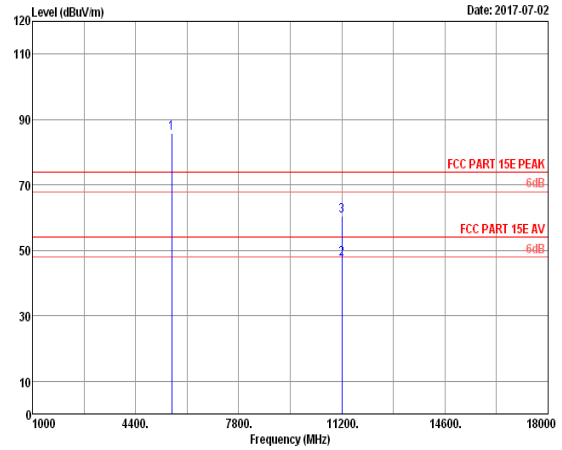
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	34.10	11.95	75.15	34.37	86.83	74.00	-12.83	Peak
2	11000.00	38.30	13.44	31.24	36.28	46.70	54.00	7.30	Average
3	11000.00	38.30	13.44	44.59	36.28	60.05	74.00	13.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



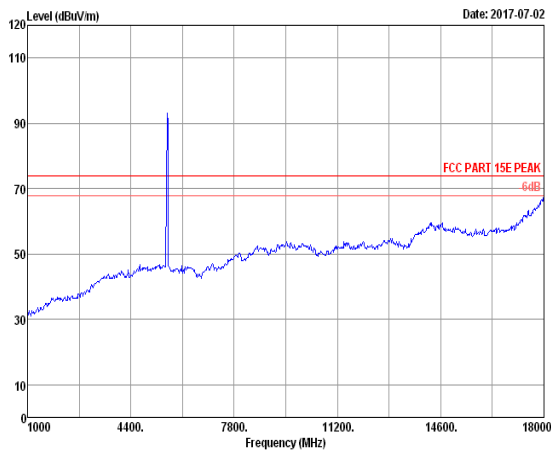
Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5600MHz Tx Mode
 M/N: LF-S50G



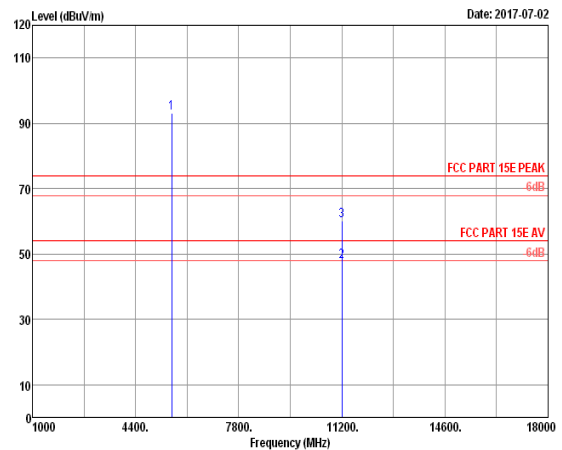
Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5600MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	34.16	11.96	74.46	34.67	85.91	74.00	-11.91	Peak
2	11200.00	38.58	13.46	30.89	35.56	47.37	54.00	6.63	Average
3	11200.00	38.58	13.46	43.94	35.56	60.42	74.00	13.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



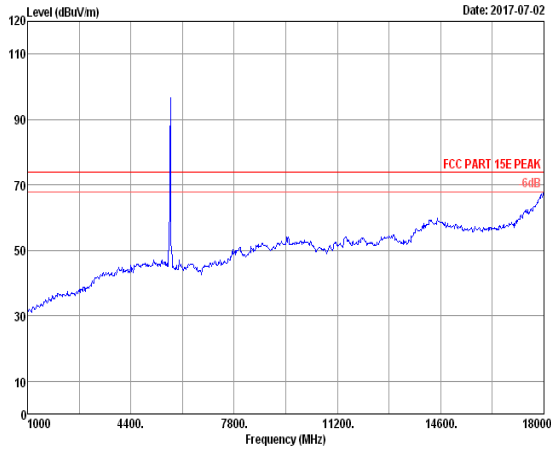
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5600MHz Tx Mode
 M/N: LF-S50G



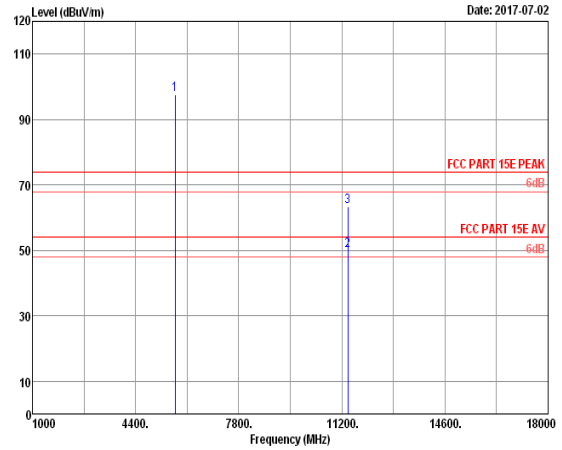
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5600MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	34.16	11.96	81.68	34.67	93.13	74.00	-19.13	Peak
2	11200.00	38.58	13.46	31.15	35.56	47.63	54.00	6.37	Average
3	11200.00	38.58	13.46	43.72	35.56	60.20	74.00	13.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



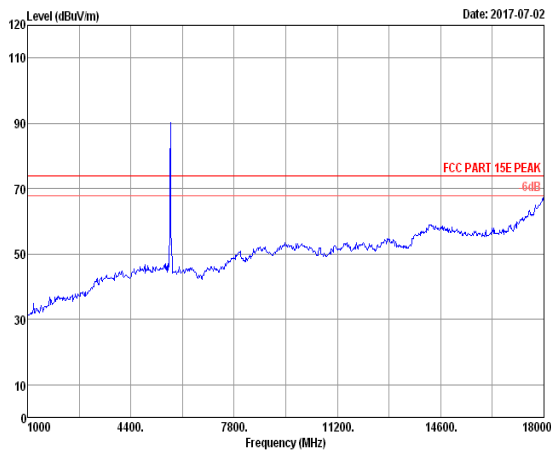
Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 M/N: LF-S50G



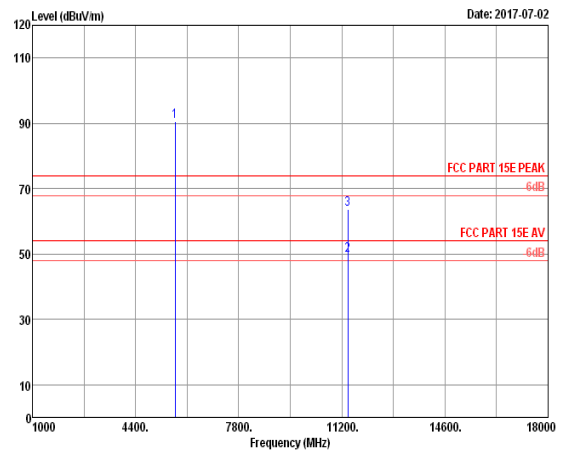
Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	34.22	11.97	86.44	34.97	97.66	74.00	-23.66	Peak
2	11400.00	38.86	13.48	32.41	34.83	49.92	54.00	4.08	Average
3	11400.00	38.86	13.48	45.78	34.83	63.29	74.00	10.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



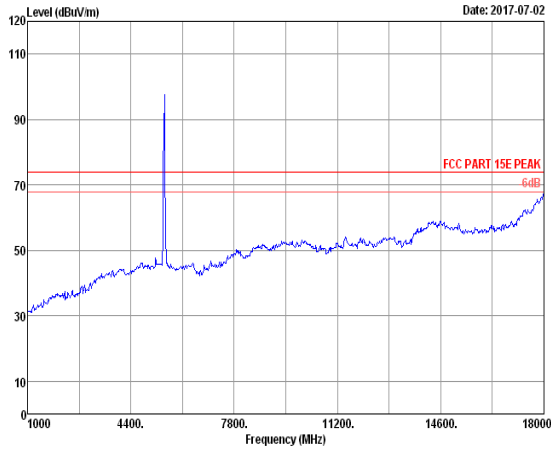
Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 M/N: LF-S50G



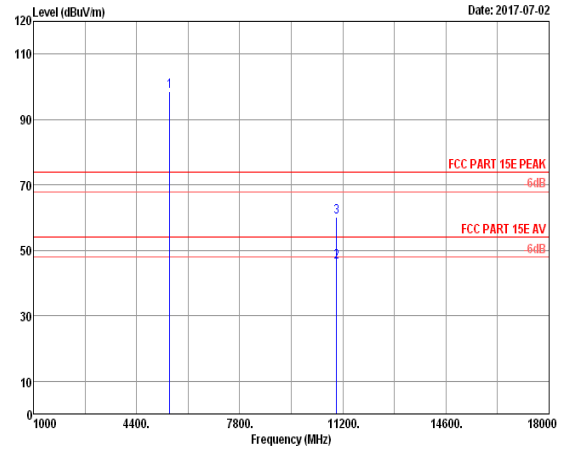
Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	34.22	11.97	79.24	34.97	90.46	74.00	-16.46	Peak
2	11400.00	38.86	13.48	32.24	34.83	49.75	54.00	4.25	Average
3	11400.00	38.86	13.48	46.15	34.83	63.66	74.00	10.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



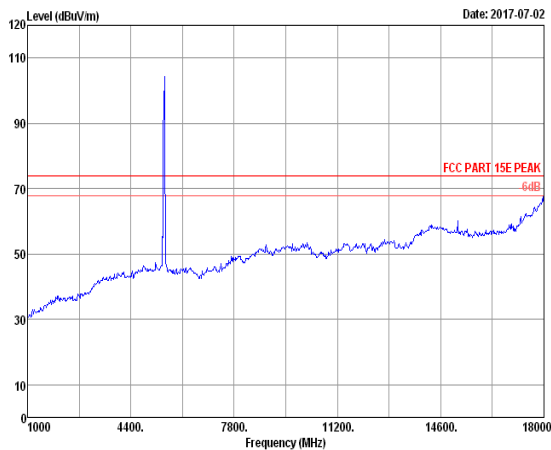
Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 M/N: LF-550G



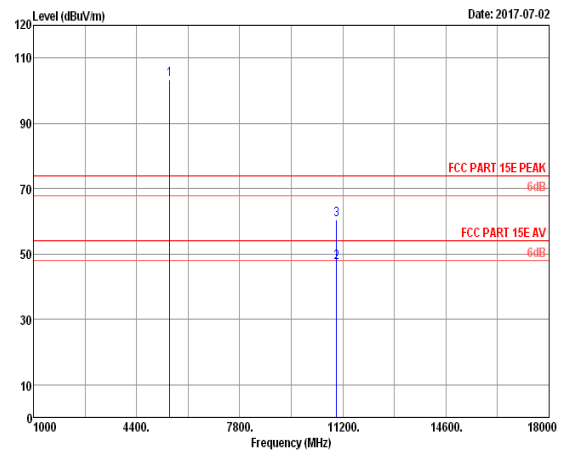
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	34.10	11.95	87.01	34.37	98.69	74.00	-24.69	Peak
2	11000.00	38.30	13.44	31.05	36.28	46.51	54.00	7.49	Average
3	11000.00	38.30	13.44	44.76	36.28	60.22	74.00	13.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



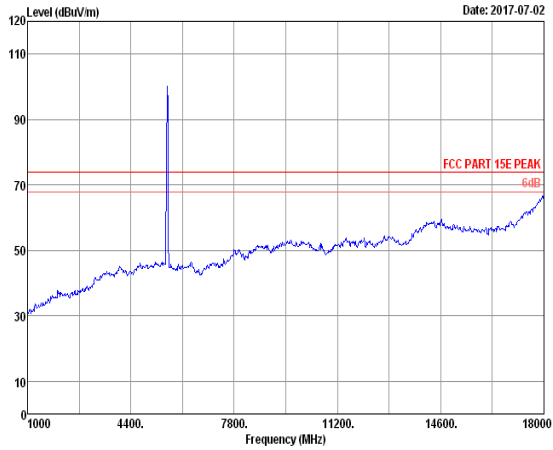
Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 M/N: LF-550G



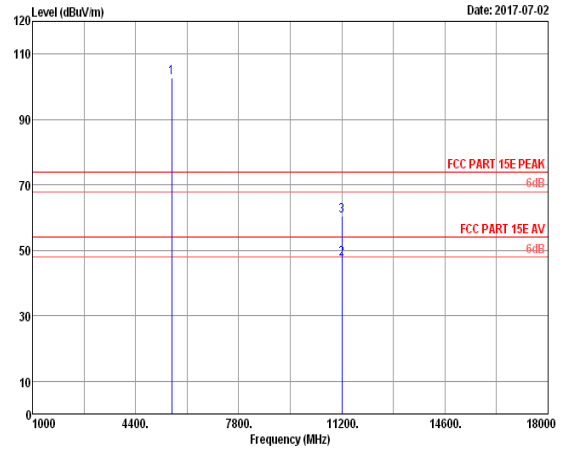
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	34.10	11.95	91.73	34.37	103.41	74.00	-29.41	Peak
2	11000.00	38.30	13.44	31.83	36.28	47.29	54.00	6.71	Average
3	11000.00	38.30	13.44	44.93	36.28	60.39	74.00	13.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



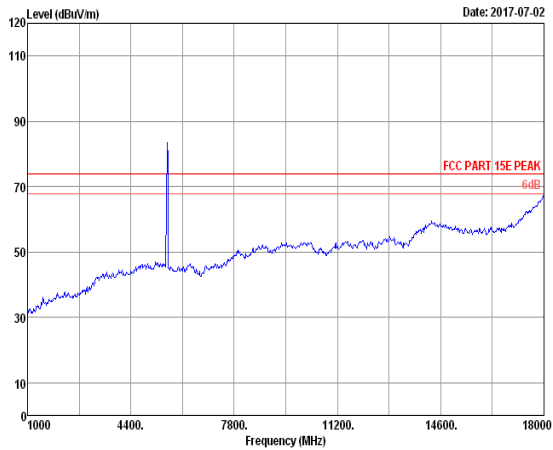
Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5600MHz Tx Mode
 M/N: LF-S50G



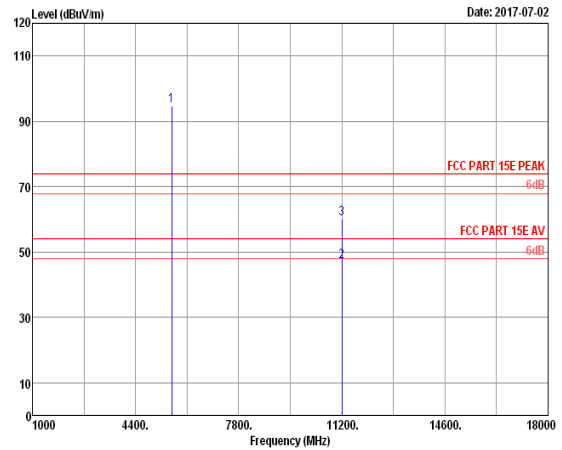
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5600MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	34.16	11.96	91.38	34.67	102.83	74.00	-28.83	Peak
2	11200.00	38.58	13.46	30.94	35.56	47.42	54.00	6.58	Average
3	11200.00	38.58	13.46	43.84	35.56	60.32	74.00	13.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



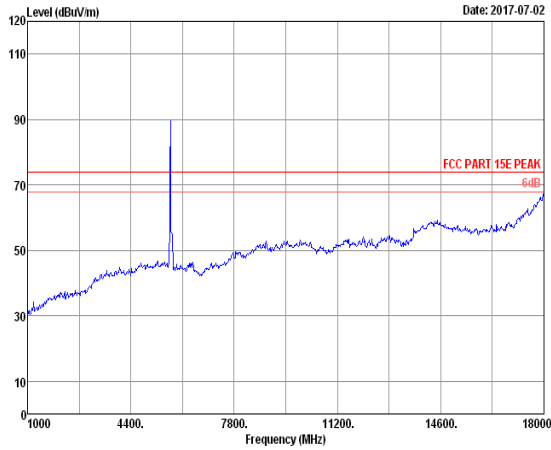
Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5600MHz Tx Mode
 M/N: LF-S50G



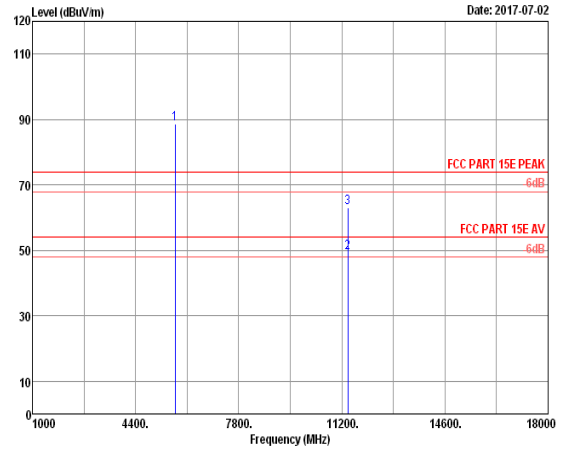
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5600MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	34.16	11.96	83.21	34.67	94.66	74.00	-20.66	Peak
2	11200.00	38.58	13.46	30.69	35.56	47.17	54.00	6.83	Average
3	11200.00	38.58	13.46	43.82	35.56	60.30	74.00	13.70	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



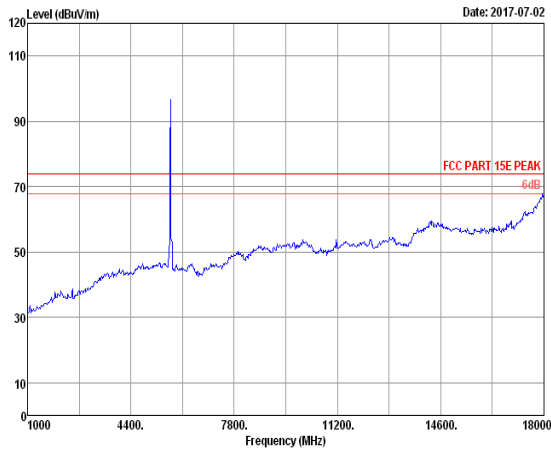
Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 M/N: LF-S50G



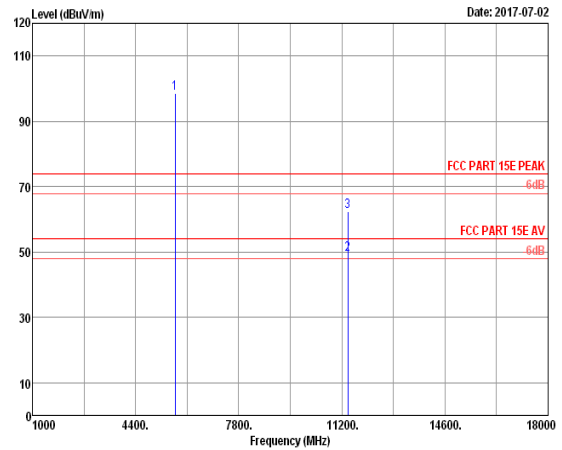
Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	34.22	11.97	77.45	34.97	88.67	74.00	-14.67	Peak
2	11400.00	38.86	13.48	31.91	34.83	49.42	54.00	4.58	Average
3	11400.00	38.86	13.48	45.43	34.83	62.94	74.00	11.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



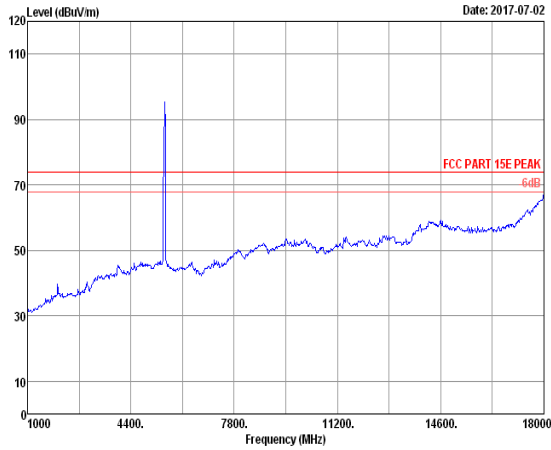
Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 M/N: LF-S50G



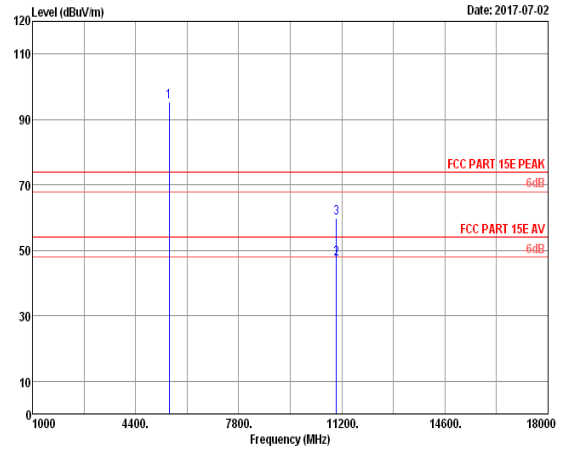
Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	34.22	11.97	87.41	34.97	98.63	74.00	-24.63	Peak
2	11400.00	38.86	13.48	31.91	34.83	49.42	54.00	4.58	Average
3	11400.00	38.86	13.48	44.97	34.83	62.48	74.00	11.52	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



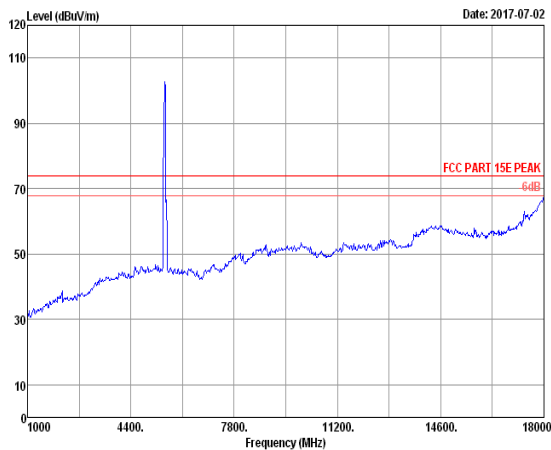
Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 M/N: LF-S50G



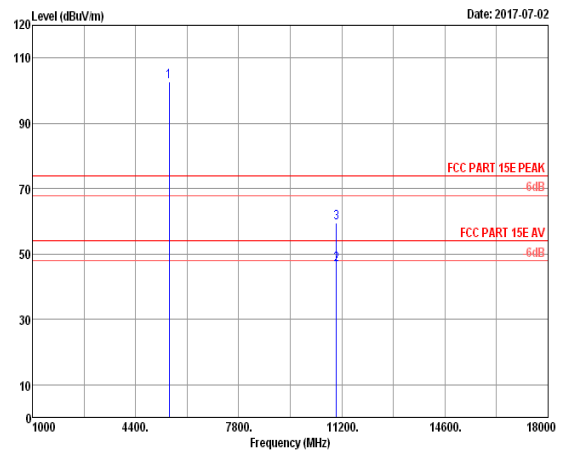
Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	34.11	11.95	83.83	34.45	95.44	74.00	-21.44	Peak
2	11020.00	38.33	13.44	31.83	36.19	47.41	54.00	6.59	Average
3	11020.00	38.33	13.44	44.33	36.19	59.91	74.00	14.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



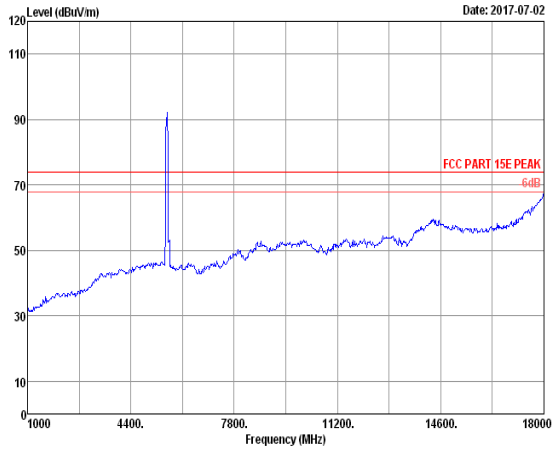
Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 M/N: LF-S50G



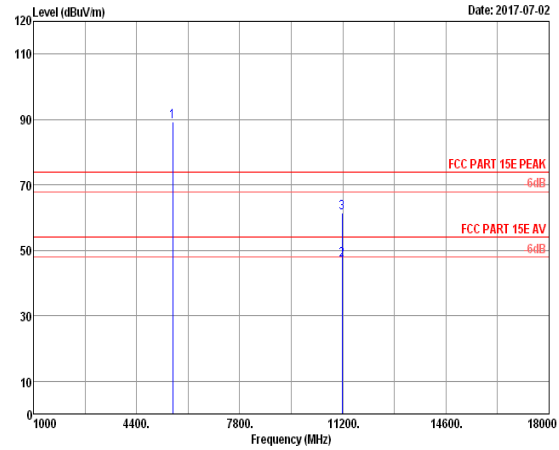
Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	34.11	11.95	91.20	34.45	102.81	74.00	-28.81	Peak
2	11020.00	38.33	13.44	31.08	36.19	46.66	54.00	7.34	Average
3	11020.00	38.33	13.44	43.86	36.19	59.44	74.00	14.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



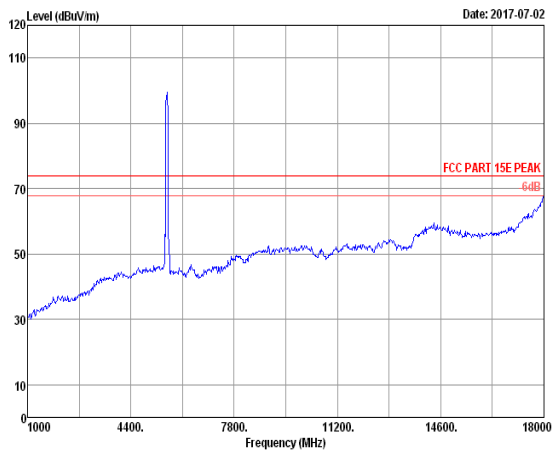
Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5590MHz Tx Mode
 M/N: LF-S50G



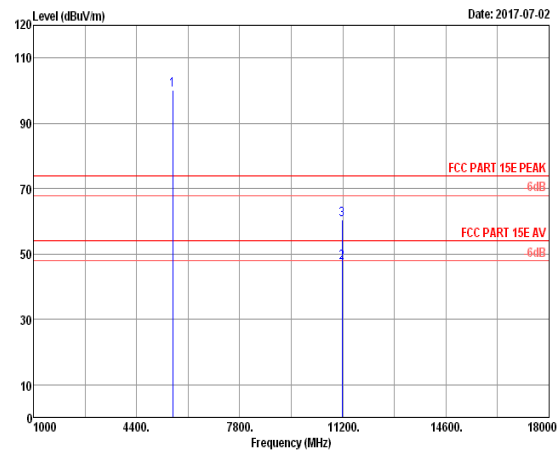
Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5590MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	34.15	11.96	77.73	34.67	89.17	74.00	-15.17	Peak
2	11180.00	38.55	13.46	30.83	35.65	47.19	54.00	6.81	Average
3	11180.00	38.55	13.46	45.03	35.65	61.39	74.00	12.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



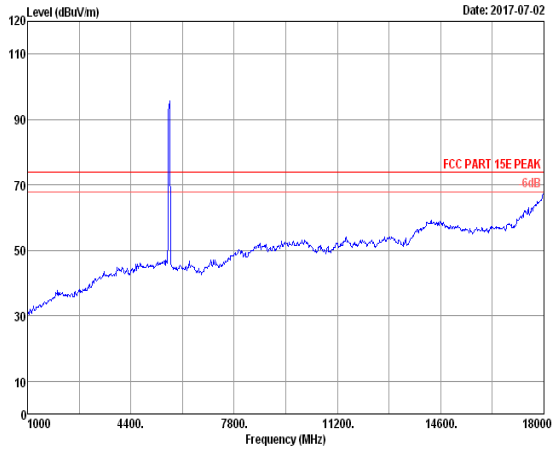
Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5590MHz Tx Mode
 M/N: LF-S50G



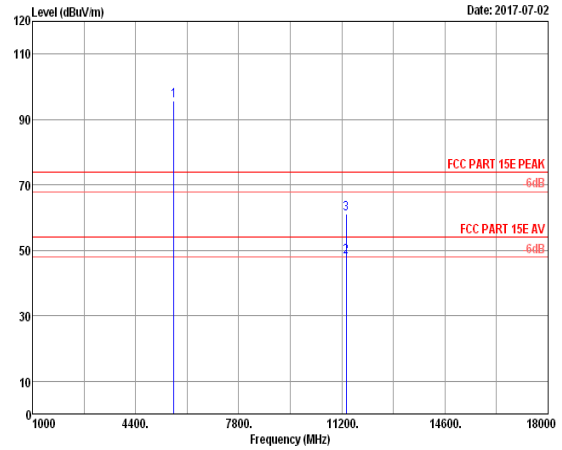
Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5590MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	34.15	11.96	88.76	34.67	100.20	74.00	-26.20	Peak
2	11180.00	38.55	13.46	30.86	35.65	47.22	54.00	6.78	Average
3	11180.00	38.55	13.46	44.22	35.65	60.58	74.00	13.42	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



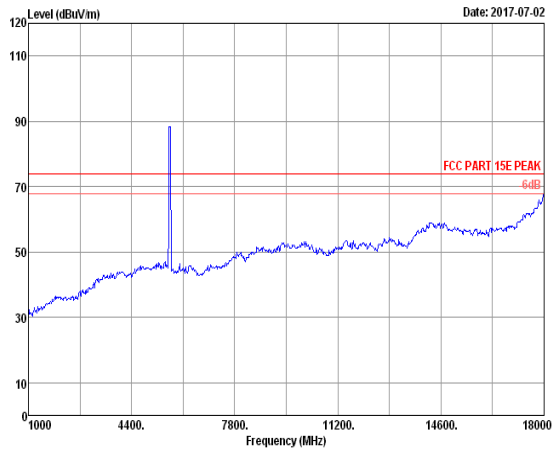
Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 M/N: LF-S50G



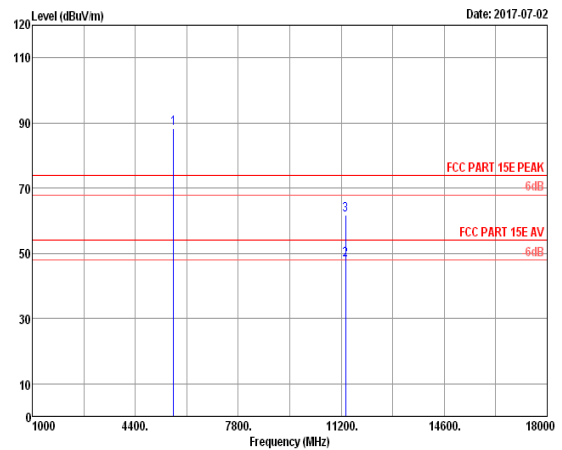
Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	34.20	11.96	84.53	34.90	95.79	74.00	-21.79	Peak
2	11340.00	38.78	13.47	30.75	35.10	47.90	54.00	6.10	Average
3	11340.00	38.78	13.47	43.98	35.10	61.13	74.00	12.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



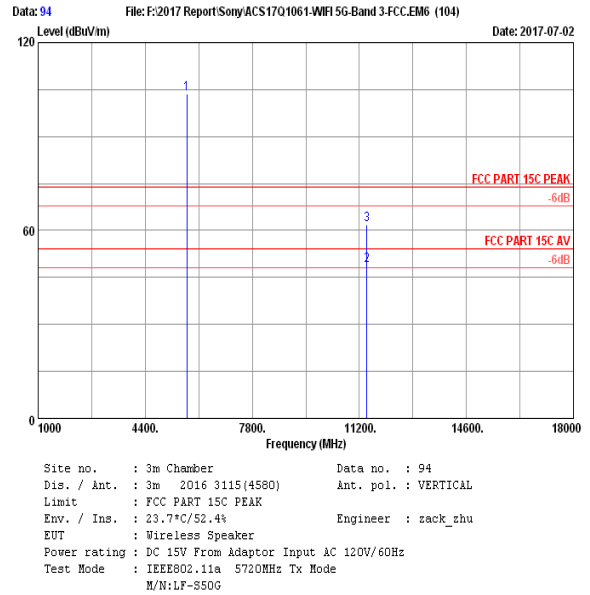
Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 M/N: LF-S50G



Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 M/N: LF-S50G

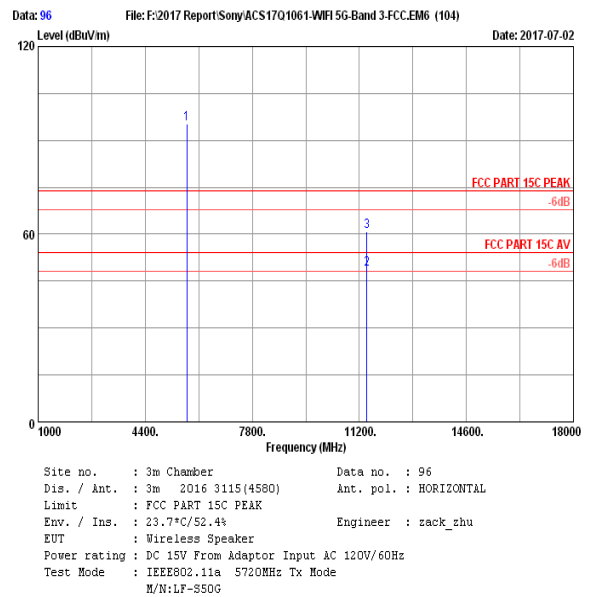
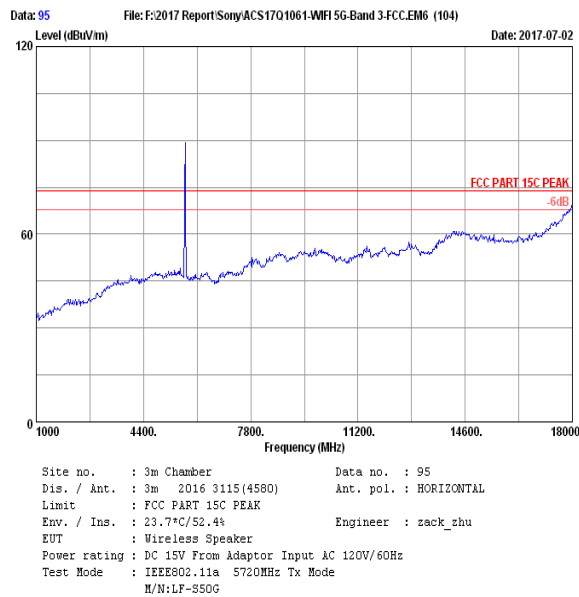
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	34.20	11.96	77.13	34.90	88.39	74.00	-14.39	Peak
2	11340.00	38.78	13.47	30.72	35.10	47.87	54.00	6.13	Average
3	11340.00	38.78	13.47	44.76	35.10	61.81	74.00	12.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



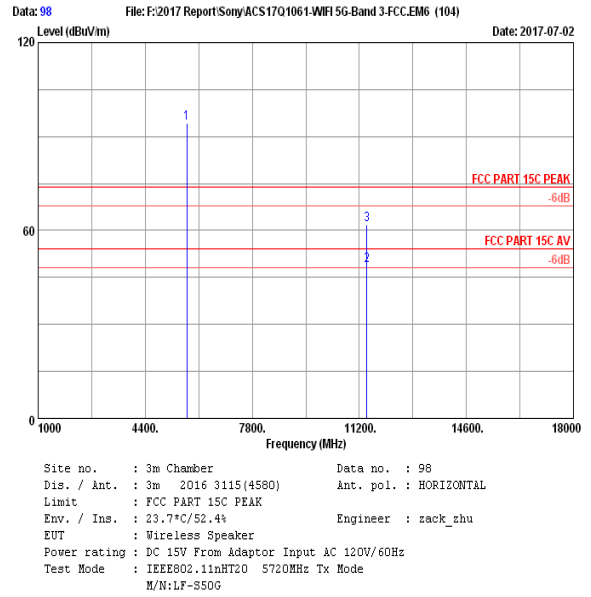
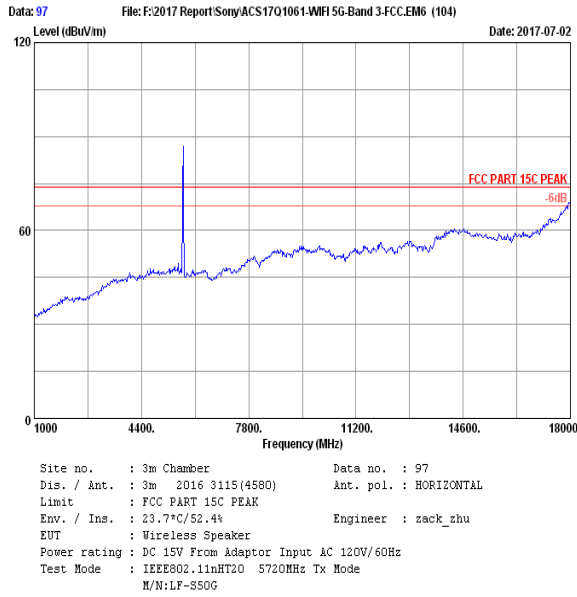
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5720.00	34.23	11.97	92.58	35.05	103.73	74.00	-29.73	Peak
2	11440.00	38.92	13.48	31.27	34.74	48.93	54.00	5.07	Average
3	11440.00	38.92	13.48	44.28	34.74	61.94	74.00	12.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported



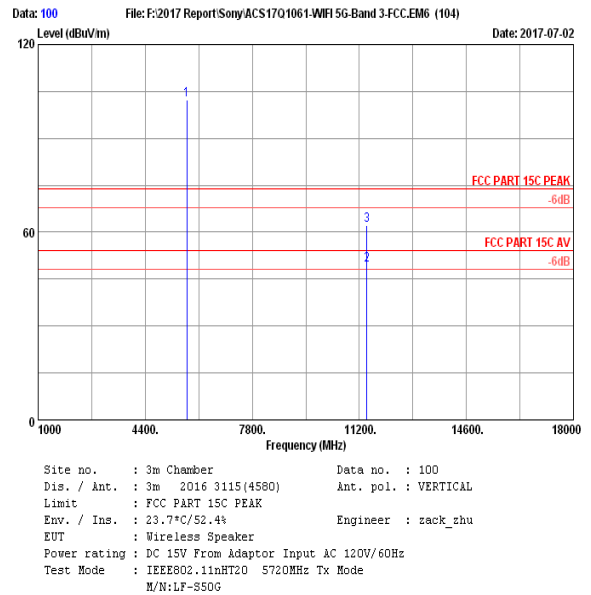
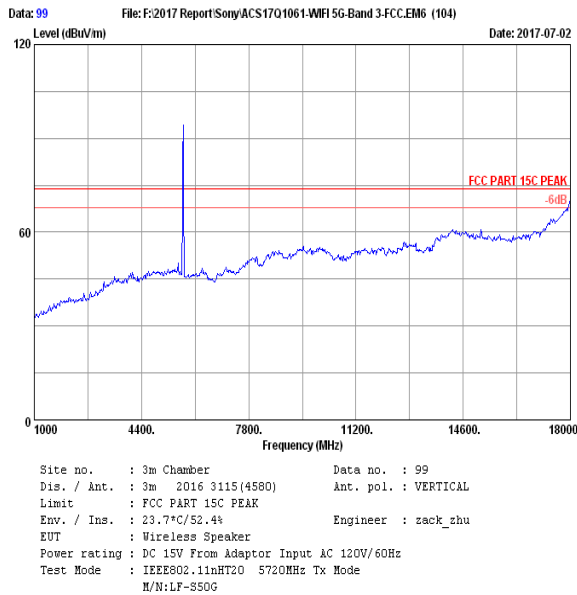
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5720.00	34.23	11.97	84.15	35.05	95.30	74.00	-21.30	Peak
2	11440.00	38.92	13.48	31.05	34.74	48.71	54.00	5.29	Average
3	11440.00	38.92	13.48	43.28	34.74	60.94	74.00	13.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported



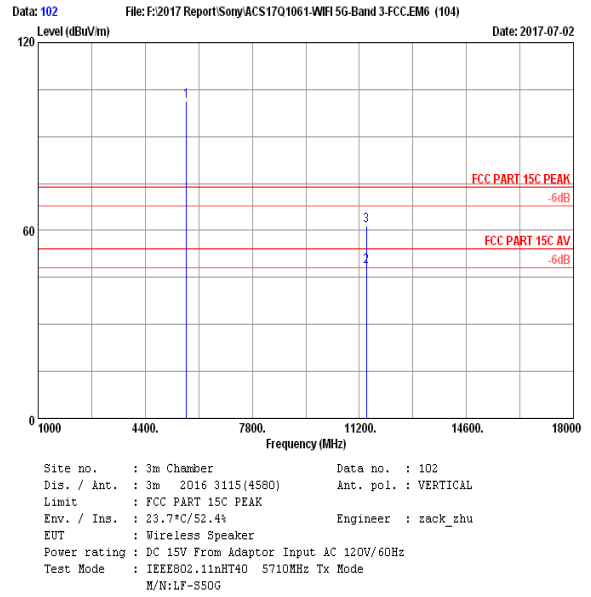
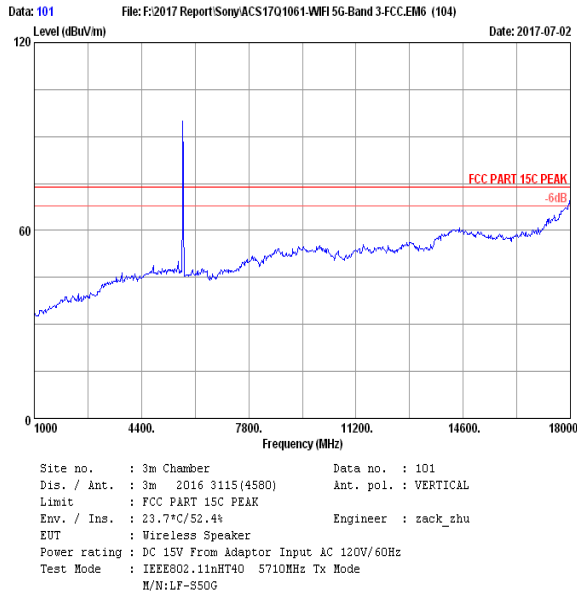
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5720.00	34.23	11.97	83.27	35.05	94.42	74.00	-20.42	Peak
2	11440.00	38.92	13.48	31.12	34.74	48.78	54.00	5.22	Average
3	11440.00	38.92	13.48	44.11	34.74	61.77	74.00	12.23	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported



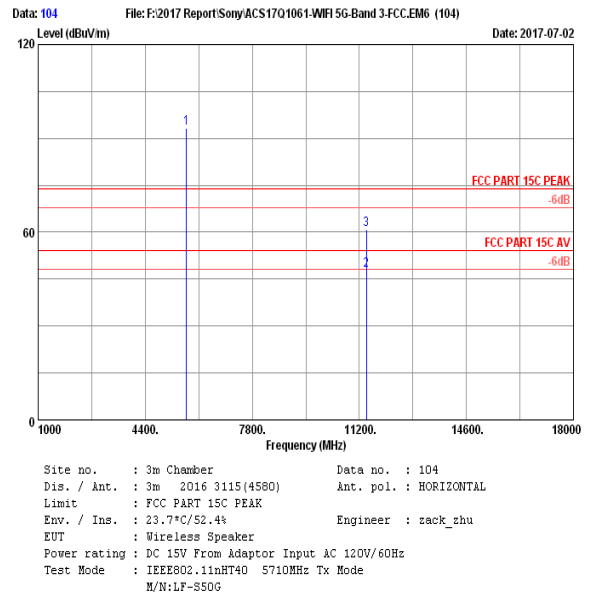
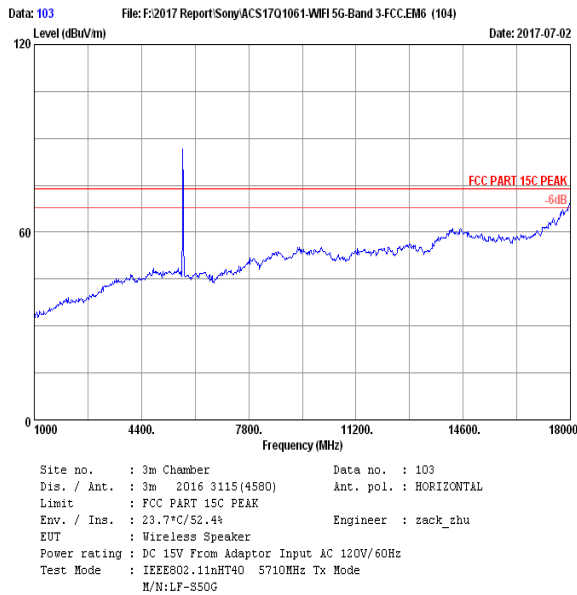
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5720.00	34.23	11.97	91.07	35.05	102.22	74.00	-28.22	Peak
2	11440.00	38.92	13.48	31.71	34.74	49.37	54.00	4.63	Average
3	11440.00	38.92	13.48	44.38	34.74	62.04	74.00	11.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5710.00	34.23	11.97	90.16	35.05	101.31	74.00	-27.31	Peak
2	11420.00	38.89	13.48	30.86	34.74	48.49	54.00	5.51	Average
3	11420.00	38.89	13.48	43.81	34.74	61.44	74.00	12.56	Peak

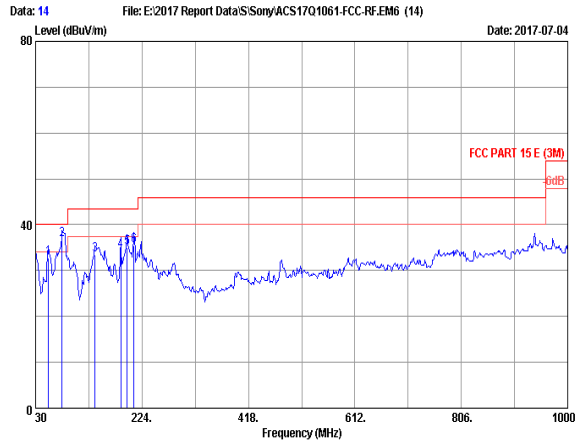
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5710.00	34.23	11.97	82.13	35.05	93.28	74.00	-19.28	Peak
2	11420.00	38.89	13.48	30.17	34.74	47.80	54.00	6.20	Average
3	11420.00	38.89	13.48	43.28	34.74	60.91	74.00	13.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported

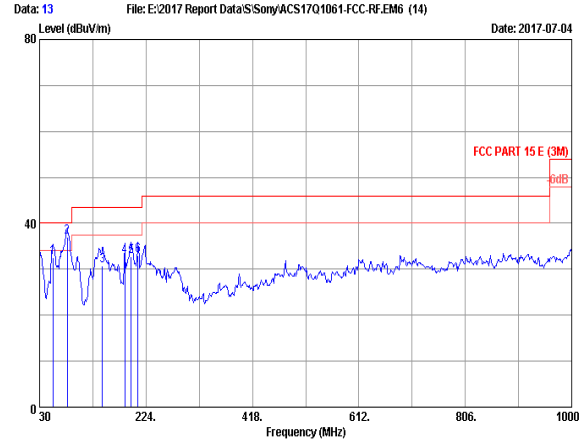
5745-5825MHz Band 4: Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band4 TX

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	53.280	9.05	6.67	45.49	32.86	40.00	7.14	QP
2	78.500	7.63	6.84	50.65	36.84	40.00	3.16	QP
3	138.640	11.90	7.09	42.42	33.34	43.50	10.16	QP
4	185.200	10.20	7.31	44.67	34.30	43.50	9.20	QP
5	196.840	10.44	7.37	44.90	34.88	43.50	8.62	QP
6	209.450	10.74	7.42	44.94	35.32	43.50	8.18	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

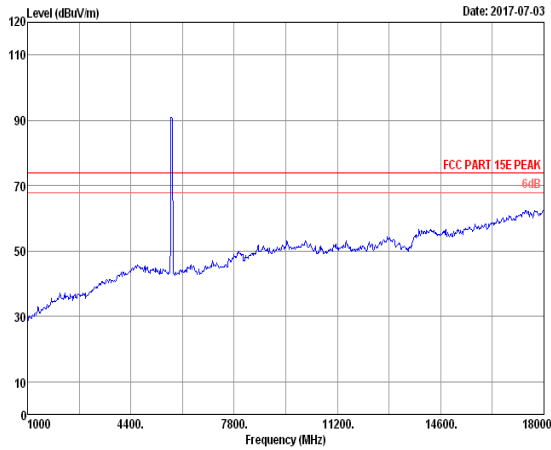


Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2017 CBL6112D 35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 E (3M)
 Env. / Ins. : 21.4°C/54% Engineer : Garry
 EUT : Wireless Speaker M/N:LF-S50G
 Power rating : AC 120V/60Hz
 Test Mode : WIFI 5G Band4 TX

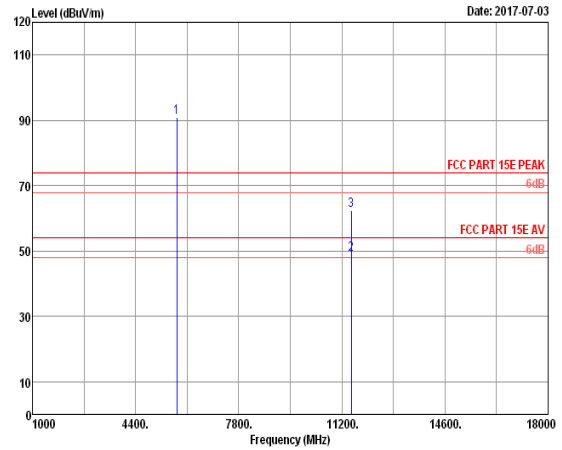
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	54.250	8.70	6.67	17.14	32.51	40.00	7.49	QP
2	80.440	7.70	6.85	22.39	36.94	40.00	3.06	QP
3	144.460	11.68	7.12	11.90	30.70	43.50	12.80	QP
4	185.200	10.20	7.31	15.25	32.76	43.50	10.74	QP
5	196.840	10.44	7.37	15.01	32.82	43.50	10.68	QP
6	209.450	10.74	7.42	14.79	32.95	43.50	10.55	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz



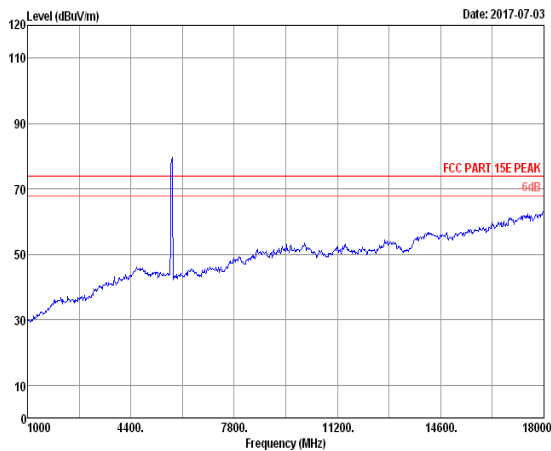
Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G



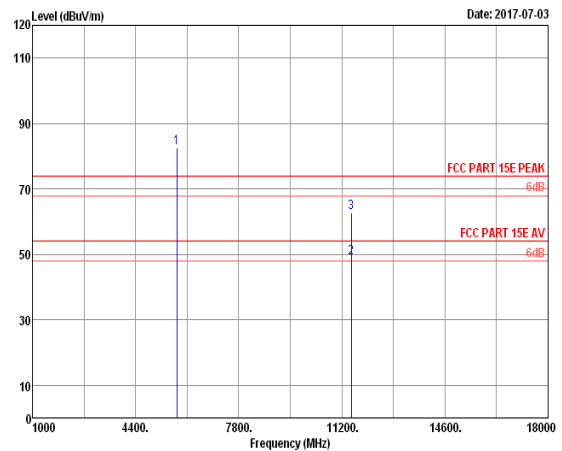
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	32.96	11.97	81.06	35.12	90.87	74.00	-16.87	Peak
2	11510.00	38.30	13.49	31.73	34.47	49.05	54.00	4.95	Average
3	11510.00	38.30	13.49	44.98	34.47	62.30	74.00	11.70	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



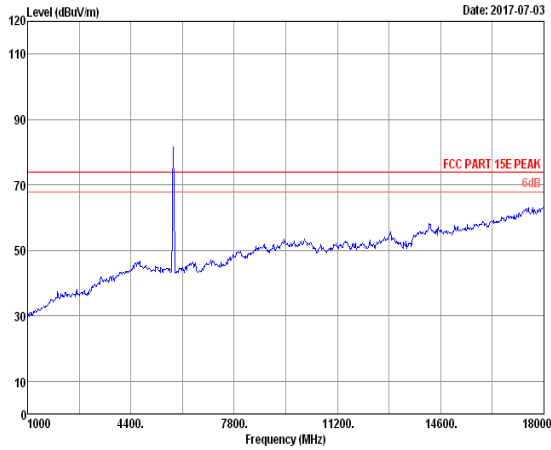
Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G



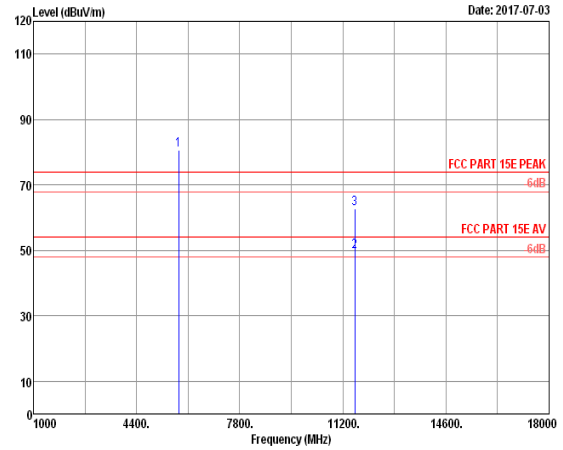
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	32.96	11.97	72.87	35.12	82.68	74.00	-8.68	Peak
2	11510.00	38.30	13.49	31.72	34.47	49.04	54.00	4.96	Average
3	11510.00	38.30	13.49	45.34	34.47	62.66	74.00	11.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



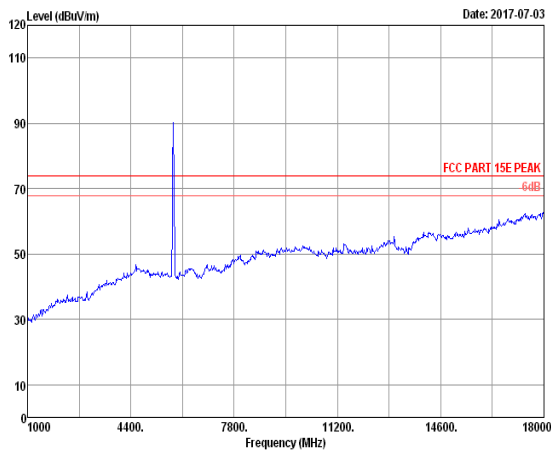
Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 M/N: LF-S50G



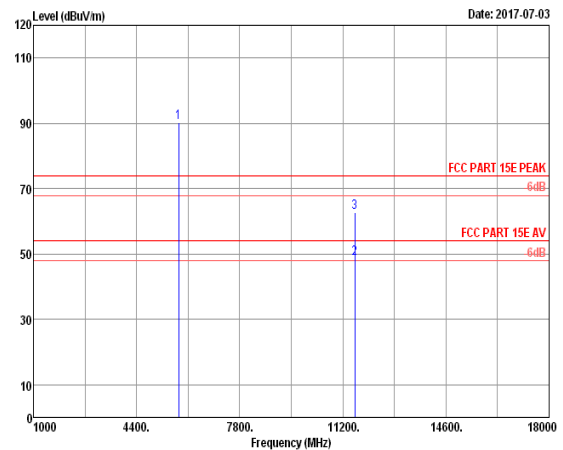
Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.05	11.97	70.76	35.28	80.50	74.00	-6.50	Peak
2	11590.00	38.26	13.51	32.49	34.74	49.52	54.00	4.48	Average
3	11590.00	38.26	13.51	45.67	34.74	62.70	74.00	11.30	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



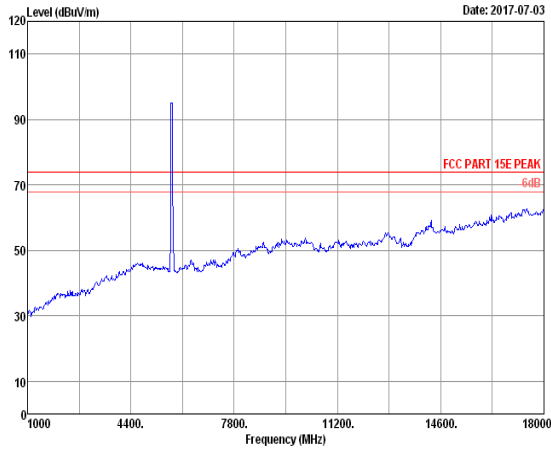
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 M/N: LF-S50G



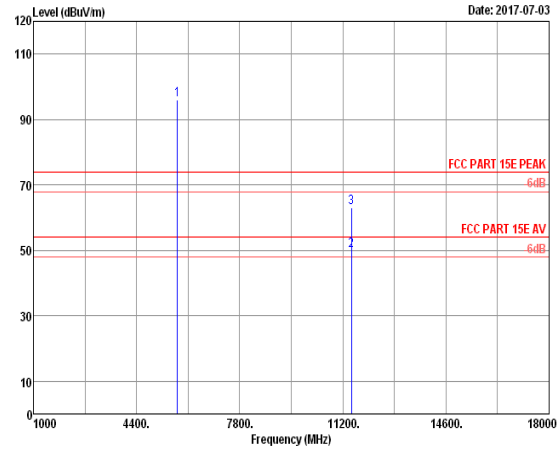
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.05	11.97	80.52	35.28	90.26	74.00	-16.26	Peak
2	11590.00	38.26	13.51	31.69	34.74	48.62	54.00	5.38	Average
3	11590.00	38.26	13.51	45.79	34.74	62.82	74.00	11.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



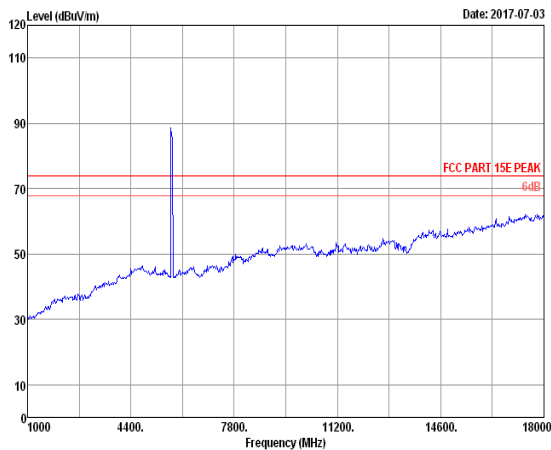
Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 M/N: LF-S50G



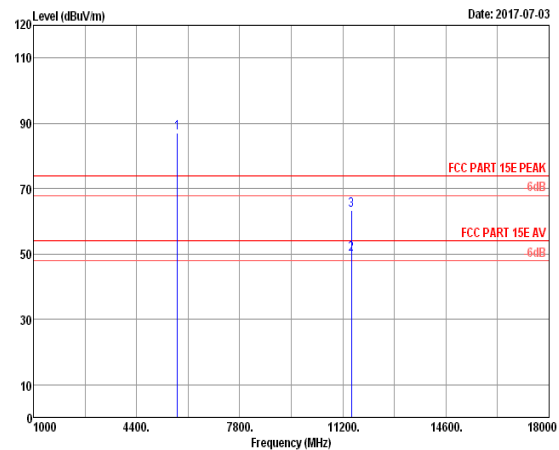
Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.94	11.97	86.14	35.12	95.93	74.00	-21.93	Peak
2	11490.00	38.31	13.49	32.64	34.56	49.88	54.00	4.12	Average
3	11490.00	38.31	13.49	45.64	34.56	62.88	74.00	11.12	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



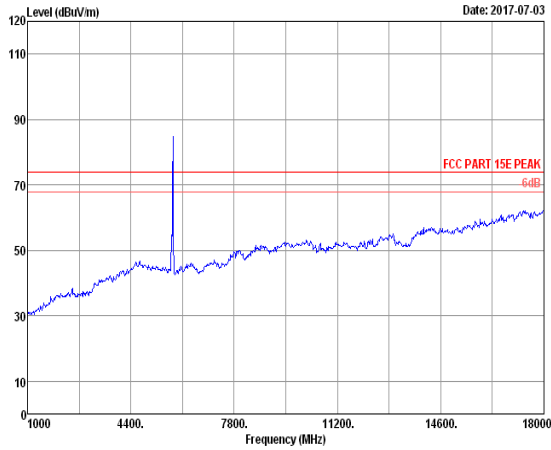
Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 M/N: LF-S50G



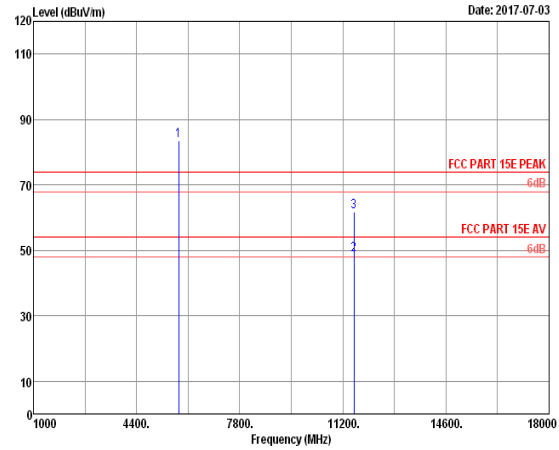
Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.94	11.97	77.34	35.12	87.13	74.00	-13.13	Peak
2	11490.00	38.31	13.49	32.63	34.56	49.77	54.00	4.23	Average
3	11490.00	38.31	13.49	45.97	34.56	63.21	74.00	10.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



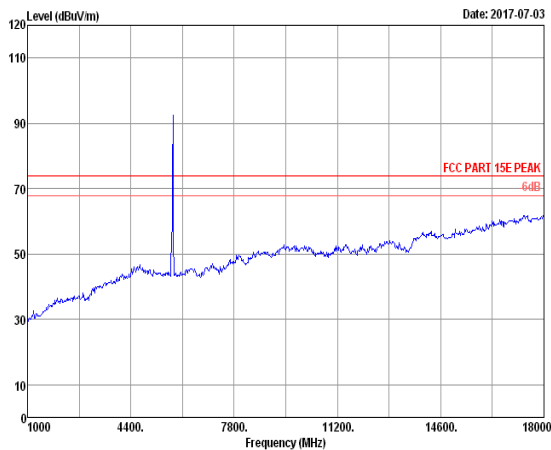
Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5785MHz Tx Mode
 M/N: LF-S50G



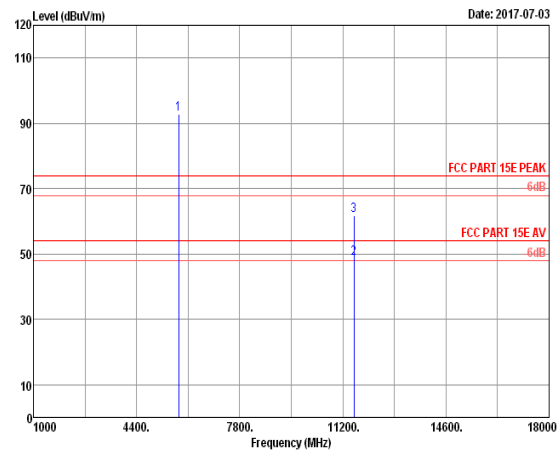
Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5785MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.03	11.97	73.64	35.28	83.36	74.00	-9.36	Peak
2	11570.00	38.27	13.50	31.54	34.74	48.57	54.00	5.43	Average
3	11570.00	38.27	13.50	44.81	34.74	61.84	74.00	12.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



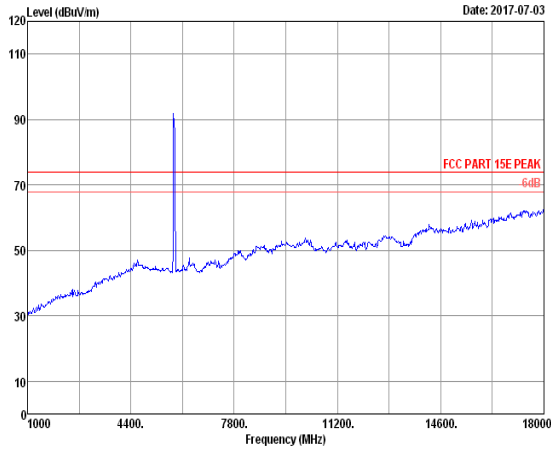
Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5785MHz Tx Mode
 M/N: LF-S50G



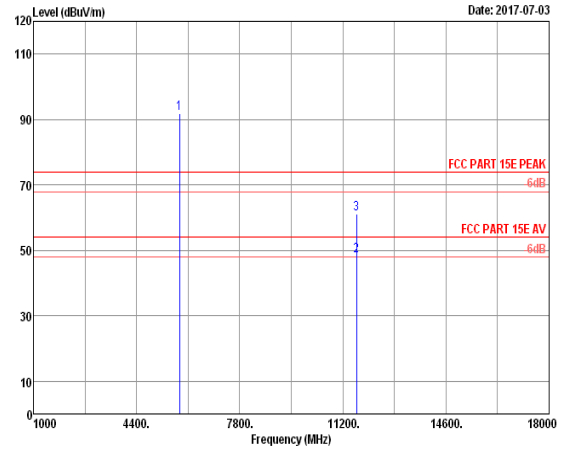
Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5785MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.03	11.97	83.10	35.28	92.82	74.00	-18.82	Peak
2	11570.00	38.27	13.50	31.76	34.74	48.79	54.00	5.21	Average
3	11570.00	38.27	13.50	44.73	34.74	61.76	74.00	12.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



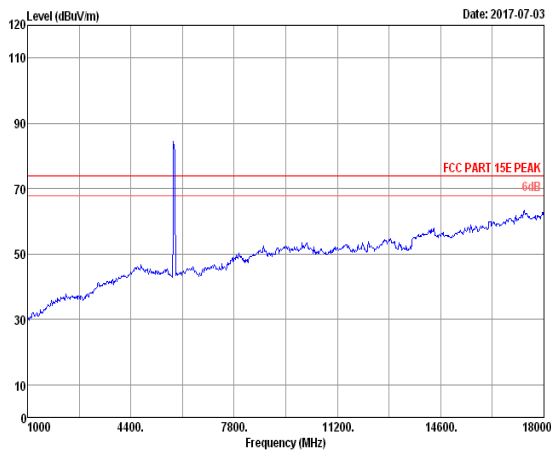
Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 M/N: LF-S50G



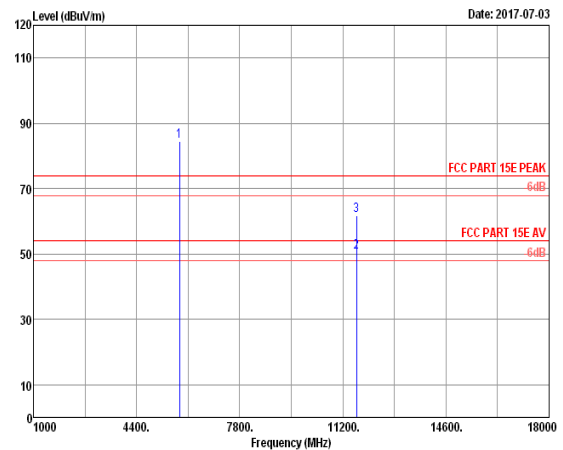
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.12	11.98	82.16	35.35	91.91	74.00	-17.91	Peak
2	11650.00	38.24	13.52	31.67	35.02	48.41	54.00	5.59	Average
3	11650.00	38.24	13.52	44.50	35.02	61.24	74.00	12.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



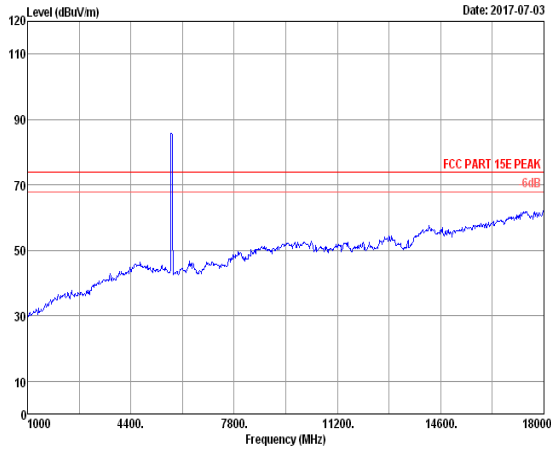
Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 M/N: LF-S50G



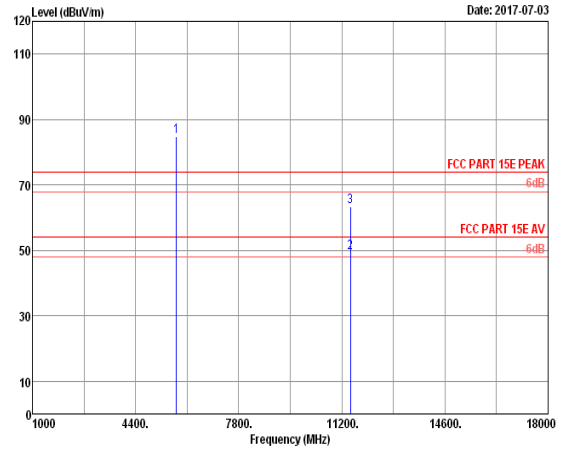
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.12	11.98	74.69	35.35	84.44	74.00	-10.44	Peak
2	11650.00	38.24	13.52	33.66	35.02	50.40	54.00	3.60	Average
3	11650.00	38.24	13.52	45.02	35.02	61.76	74.00	12.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



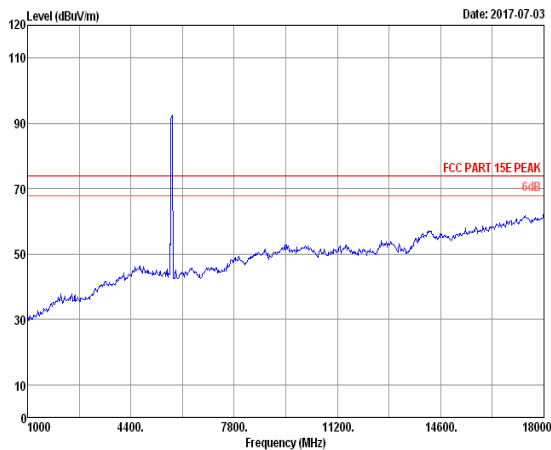
Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 M/N: LF-S50G



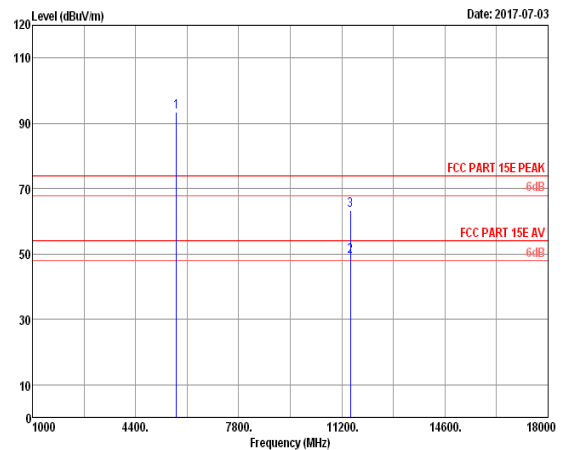
Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.94	11.97	75.06	35.12	84.85	74.00	-10.85	Peak
2	11490.00	38.31	13.49	32.04	34.56	49.28	54.00	4.72	Average
3	11490.00	38.31	13.49	46.13	34.56	63.37	74.00	10.63	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



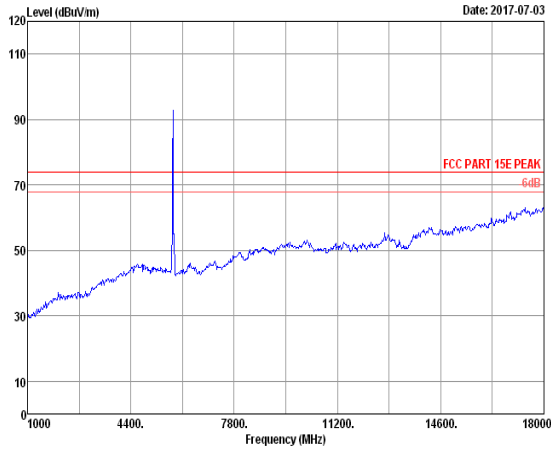
Site no. : 3m Chamber Data no. : 39
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 M/N: LF-S50G



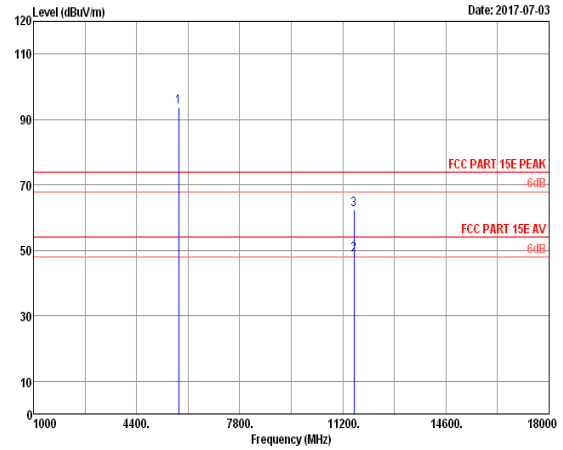
Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.94	11.97	83.73	35.12	93.52	74.00	-19.52	Peak
2	11490.00	38.31	13.49	32.18	34.56	49.42	54.00	4.58	Average
3	11490.00	38.31	13.49	46.18	34.56	63.42	74.00	10.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



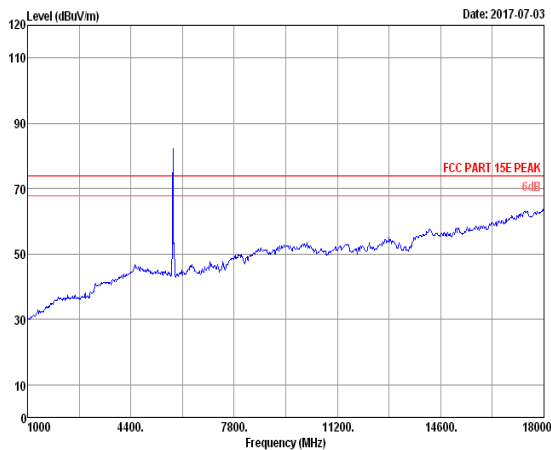
Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5785MHz Tx Mode
 M/N: LF-S50G



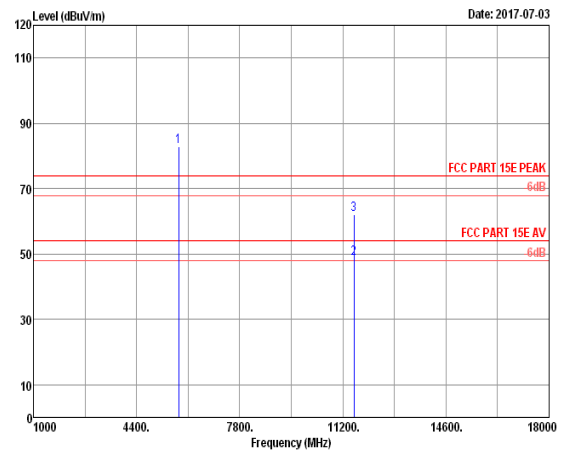
Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5785MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.03	11.97	84.09	35.28	93.81	74.00	-19.81	Peak
2	11570.00	38.27	13.50	31.70	34.74	48.73	54.00	5.27	Average
3	11570.00	38.27	13.50	45.42	34.74	62.45	74.00	11.55	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



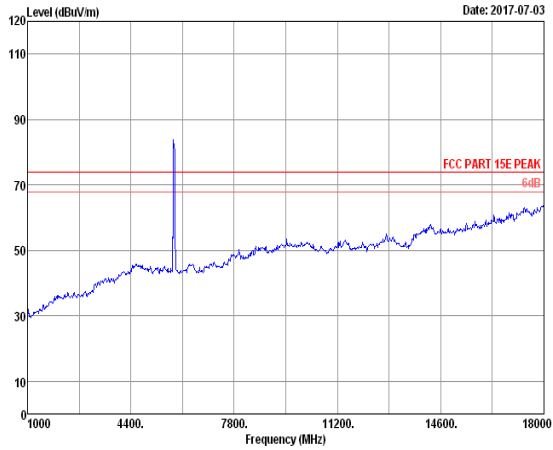
Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5785MHz Tx Mode
 M/N: LF-S50G



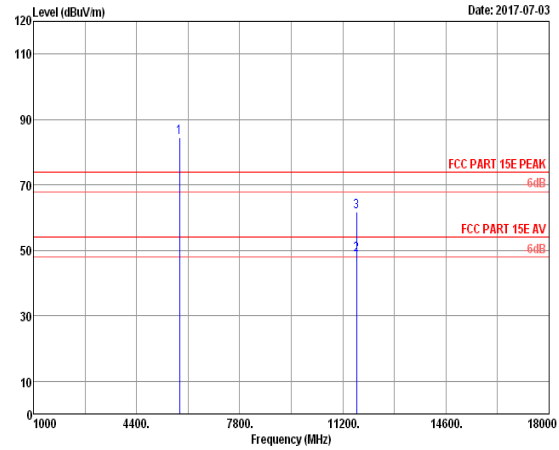
Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5785MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.03	11.97	73.16	35.28	82.88	74.00	-8.88	Peak
2	11570.00	38.27	13.50	31.66	34.74	48.69	54.00	5.31	Average
3	11570.00	38.27	13.50	45.16	34.74	62.19	74.00	11.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



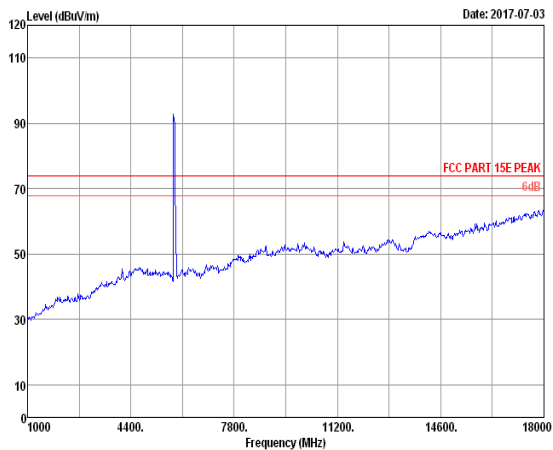
Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 M/N: LF-S50G



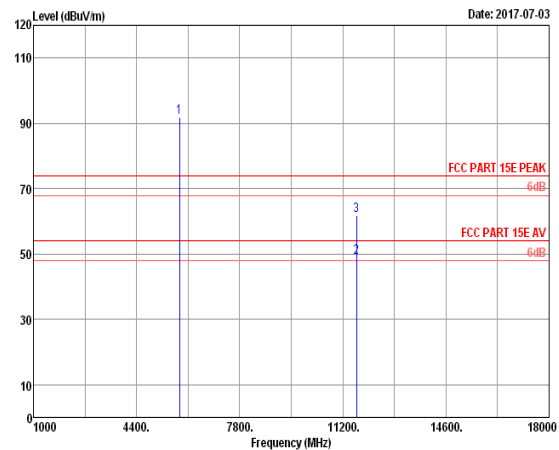
Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.12	11.98	74.88	35.35	84.63	74.00	-10.63	Peak
2	11650.00	38.24	13.52	31.74	35.02	48.48	54.00	5.52	Average
3	11650.00	38.24	13.52	45.13	35.02	61.87	74.00	12.13	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 M/N: LF-S50G



Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.12	11.98	81.93	35.35	91.68	74.00	-17.68	Peak
2	11650.00	38.24	13.52	32.16	35.02	48.90	54.00	5.10	Average
3	11650.00	38.24	13.52	45.10	35.02	61.84	74.00	12.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

5. BAND EDGE COMPLIANCE TEST

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	Apr.22,17	1 Year
2.	Amp	HP	8449B	3008A02495	Apr.22.17	1 Year
3.	Horn Antenna	ETS	3115	9510-4580	Nov.16,16	1 Year
4.	HF Cable	Hubersuhne	SUCOFLEX104	274094/4	Apr.22,17	1 Year

5.2. Limit

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For devices with both operating frequencies and channel bandwidths contained within the band 5250-5350 MHz,

All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For transmitters operating in the band 5470-5725MHz, Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p.

For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz.

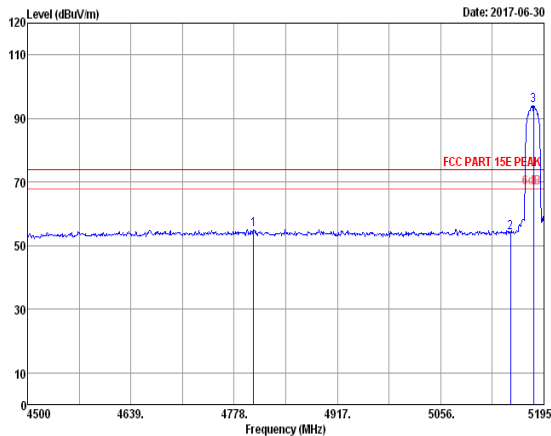
5.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO
5. Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuv/m)-95.2
Get the final compare with limit.

5.4. Test Results

Pass (The testing data was attached in the next pages.)

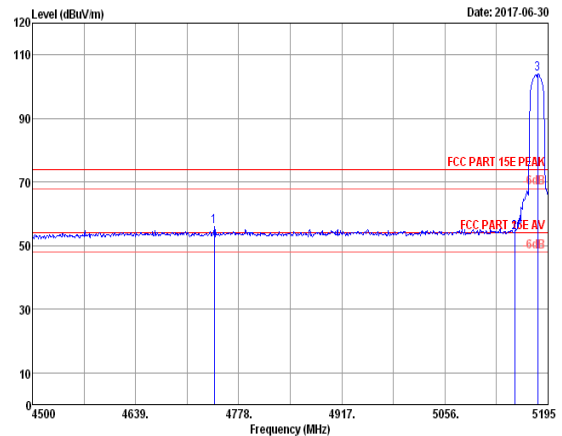
5180-5240MHz Band:



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.41	32.93	11.75	46.10	35.67	55.11	74.00	18.89	Peak
2	5150.00	33.61	11.90	44.16	35.64	54.03	74.00	19.97	Peak
3	5181.10	33.65	11.91	84.11	35.62	94.05	74.00	-20.05	Peak

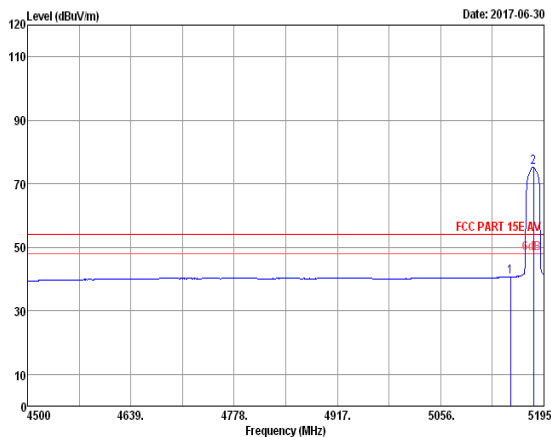
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4745.34	32.79	11.72	46.99	35.66	55.84	74.00	18.16	Peak
2	5150.00	33.61	11.90	44.32	35.64	54.19	74.00	19.81	Peak
3	5181.10	33.65	11.91	94.11	35.62	104.05	74.00	-30.05	Peak

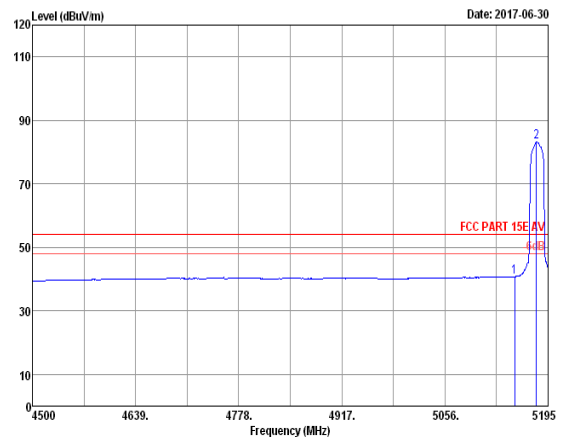
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.75	35.64	40.62	54.00	13.38	Average
2	5181.10	33.65	11.91	65.23	35.62	75.17	54.00	-21.17	Average

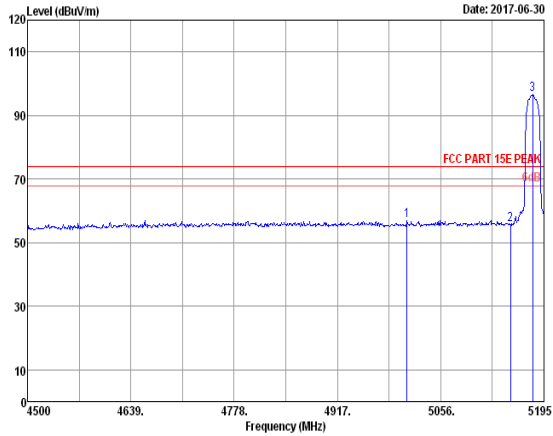
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5180MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.90	35.64	40.77	54.00	13.23	Average
2	5179.02	33.65	11.91	73.13	35.62	83.07	54.00	-29.07	Average

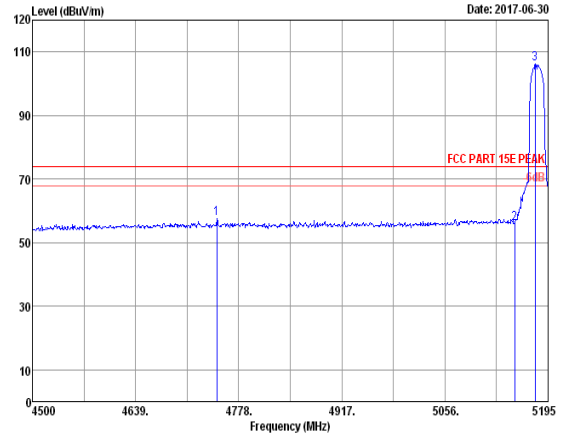
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5010.83	33.42	11.88	45.44	33.64	57.10	74.00	16.90	Peak
2	5150.00	33.61	11.90	44.15	33.87	55.79	74.00	18.21	Peak
3	5179.71	33.65	11.91	84.91	33.91	96.56	74.00	-22.56	Peak

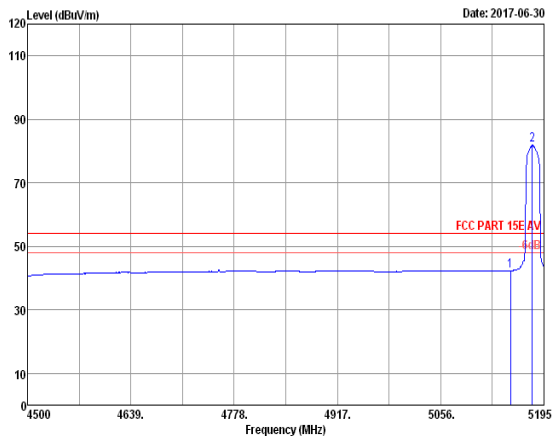
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4748.81	32.80	11.72	46.81	33.87	57.46	74.00	16.54	Peak
2	5150.00	33.61	11.90	44.29	33.87	55.93	74.00	18.07	Peak
3	5177.63	33.65	11.90	94.63	33.91	106.27	74.00	-32.27	Peak

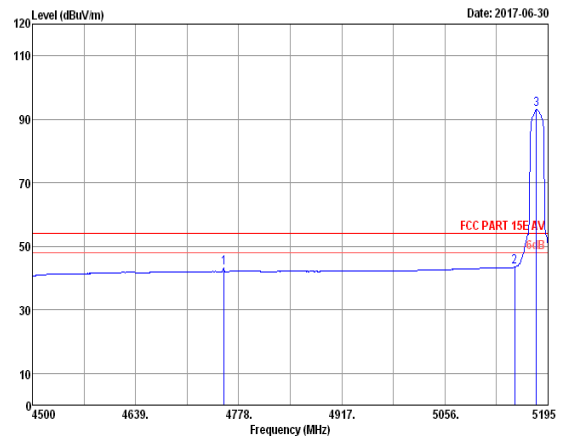
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.73	33.87	42.37	54.00	11.63	Average
2	5179.02	33.65	11.91	70.19	33.91	81.84	54.00	-27.84	Average

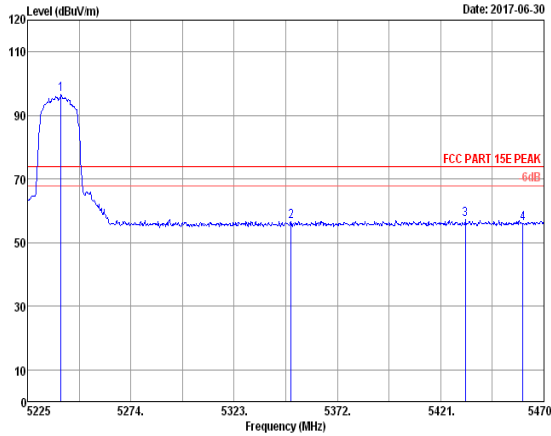
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5180MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4758.54	32.82	11.73	32.45	33.87	43.13	54.00	10.87	Average
2	5150.00	33.61	11.90	31.76	33.87	43.40	54.00	10.60	Average
3	5179.02	33.65	11.91	81.36	33.91	93.01	54.00	-39.01	Average

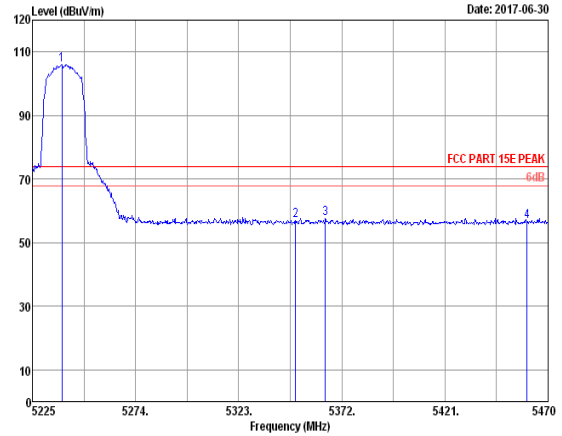
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.93	33.74	11.91	85.01	33.99	96.67	74.00	-22.67	Peak
2	5350.00	33.89	11.93	44.85	34.18	56.49	74.00	17.51	Peak
3	5432.76	34.01	11.94	45.76	34.29	57.42	74.00	16.58	Peak
4	5460.00	34.04	11.94	44.39	34.33	56.04	74.00	17.96	Peak

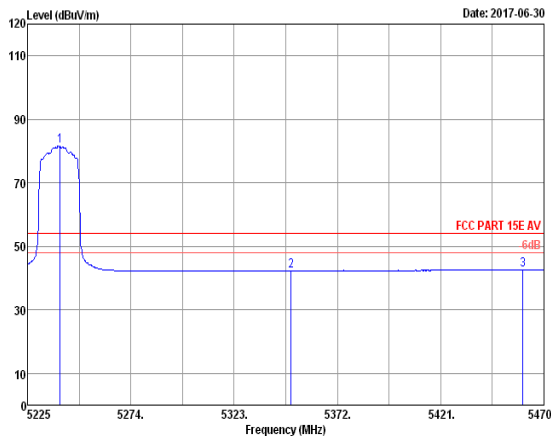
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.97	33.73	11.91	94.21	33.99	105.86	74.00	-31.86	Peak
2	5350.00	33.89	11.93	45.44	34.18	57.08	74.00	16.92	Peak
3	5364.16	33.91	11.93	45.99	34.18	57.05	74.00	16.35	Peak
4	5460.00	34.04	11.94	44.86	34.33	56.51	74.00	17.49	Peak

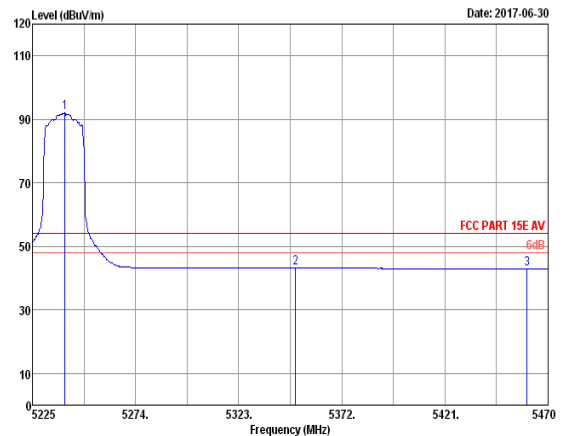
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.44	33.74	11.91	69.95	33.99	81.61	54.00	-27.61	Average
2	5350.00	33.89	11.93	30.64	34.18	42.28	54.00	11.72	Average
3	5460.00	34.04	11.94	30.87	34.33	42.52	54.00	11.48	Average

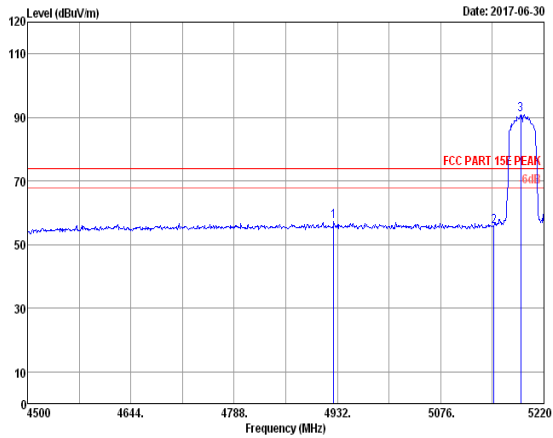
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5240MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.44	33.74	11.91	80.38	33.99	92.04	54.00	-38.04	Average
2	5350.00	33.89	11.93	31.50	34.18	43.14	54.00	10.86	Average
3	5460.00	34.04	11.94	31.28	34.33	42.93	54.00	11.07	Average

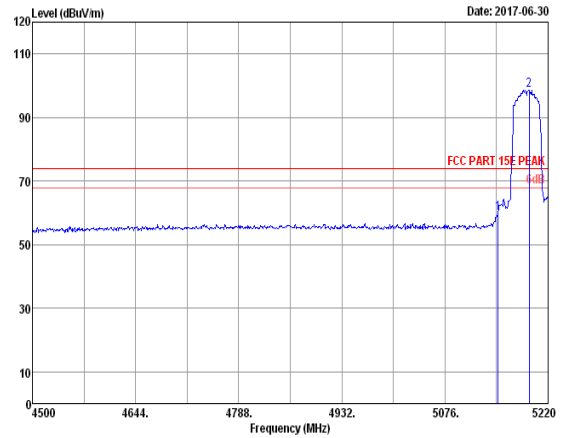
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4926.96	33.22	11.83	45.98	33.71	57.32	74.00	16.68	Peak
2	5150.00	33.61	11.90	44.01	33.87	55.65	74.00	18.35	Peak
3	5187.60	33.66	11.91	79.26	33.91	90.92	74.00	-16.92	Peak

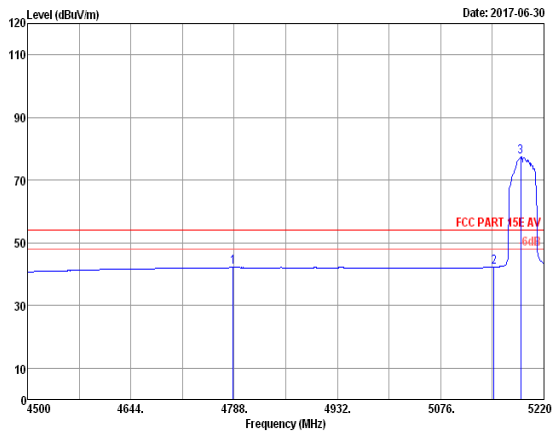
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	48.36	33.87	60.00	74.00	14.00	Peak
2	5193.36	33.67	11.91	87.00	33.91	98.67	74.00	-24.67	Peak

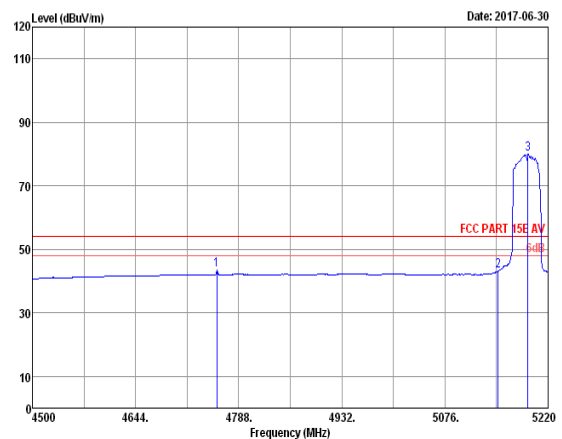
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4788.56	32.89	11.74	31.35	33.85	42.13	54.00	11.87	Average
2	5150.00	33.61	11.90	30.61	33.87	42.25	54.00	11.75	Average
3	5187.60	33.66	11.91	65.64	33.91	77.30	54.00	-23.30	Average

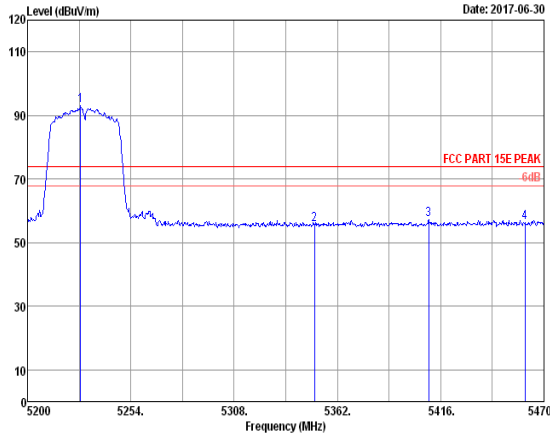
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5190MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4757.76	32.82	11.72	33.00	33.87	43.67	54.00	10.33	Average
2	5150.00	33.61	11.90	31.47	33.87	43.11	54.00	10.89	Average
3	5191.92	33.67	11.91	68.19	33.91	79.86	54.00	-25.86	Average

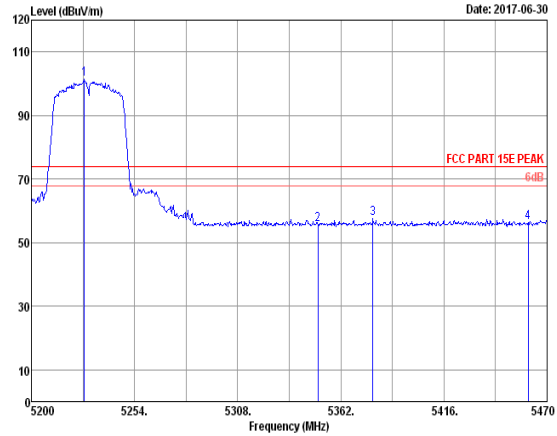
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5227.81	33.72	11.91	81.55	33.99	93.19	74.00	-19.19	Peak
2	5350.00	33.89	11.93	44.02	34.18	55.66	74.00	18.34	Peak
3	5409.79	33.97	11.94	45.64	34.25	57.30	74.00	16.70	Peak
4	5460.00	34.04	11.94	44.63	34.33	56.28	74.00	17.72	Peak

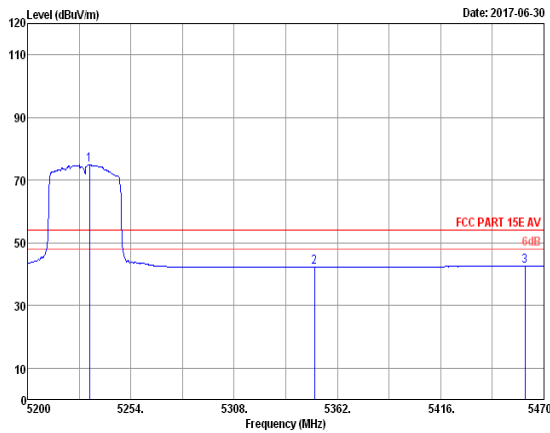
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5227.81	33.72	11.91	89.76	33.99	101.40	74.00	-27.40	Peak
2	5350.00	33.89	11.93	44.13	34.18	55.77	74.00	18.23	Peak
3	5378.74	33.93	11.93	45.83	34.22	57.47	74.00	16.53	Peak
4	5460.00	34.04	11.94	44.72	34.33	56.37	74.00	17.63	Peak

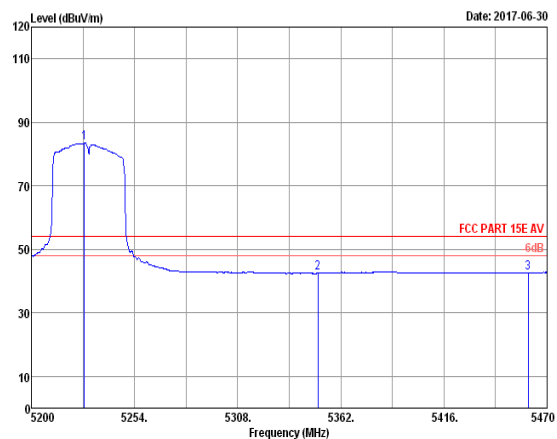
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5232.40	33.73	11.91	63.34	33.99	74.99	54.00	-20.99	Average
2	5350.00	33.89	11.93	30.60	34.18	42.24	54.00	11.76	Average
3	5460.00	34.04	11.94	30.84	34.33	42.49	54.00	11.51	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

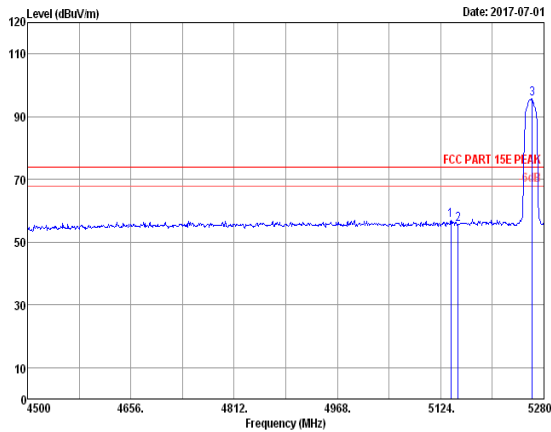


Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.1°C/52.5W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5230MHz Tx Mode
 M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5227.81	33.72	11.91	71.77	33.99	83.41	54.00	-29.41	Average
2	5350.00	33.89	11.93	30.80	34.18	42.44	54.00	11.56	Average
3	5460.00	34.04	11.94	30.93	34.33	42.58	54.00	11.42	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

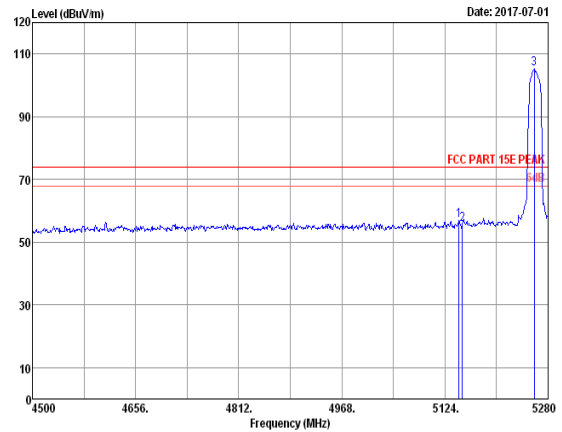
5260-5320MHz Band:



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5139.60	33.60	11.90	45.28	33.83	56.95	74.00	17.05	Peak
2	5150.00	33.61	11.90	43.96	33.87	55.60	74.00	18.40	Peak
3	5262.06	33.77	11.92	84.06	34.02	95.73	74.00	-21.73	Peak

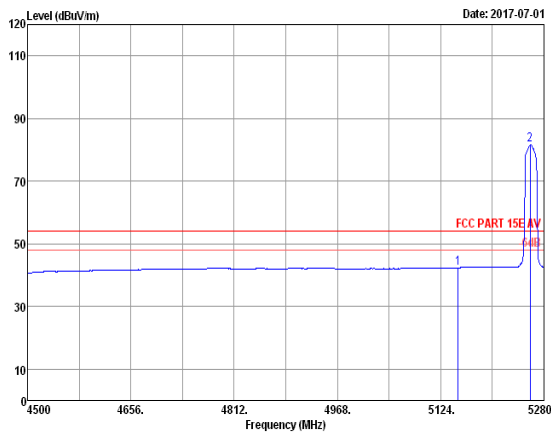
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5145.06	33.60	11.90	45.18	33.87	56.81	74.00	17.19	Peak
2	5150.00	33.61	11.90	44.06	33.87	55.70	74.00	18.30	Peak
3	5268.94	33.76	11.92	93.65	34.02	105.31	74.00	-31.31	Peak

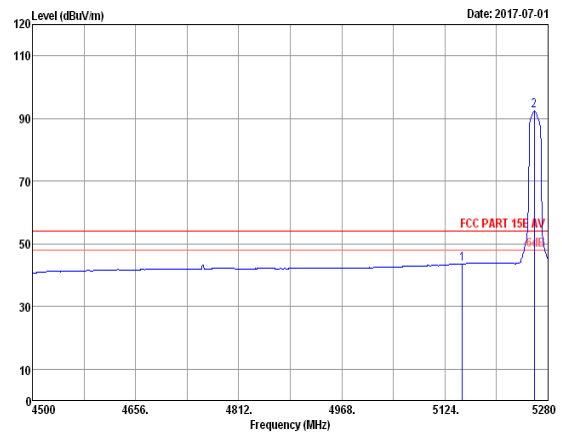
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.71	33.87	42.35	54.00	11.65	Average
2	5258.94	33.76	11.92	69.98	34.02	81.64	54.00	-27.64	Average

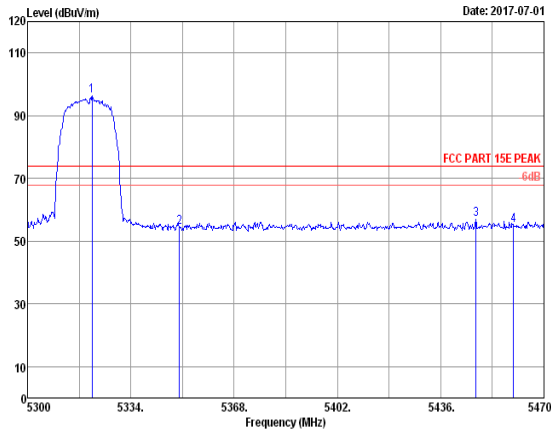
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5260MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	31.94	33.87	43.58	54.00	10.42	Average
2	5258.94	33.76	11.92	80.67	34.02	92.33	54.00	-38.33	Average

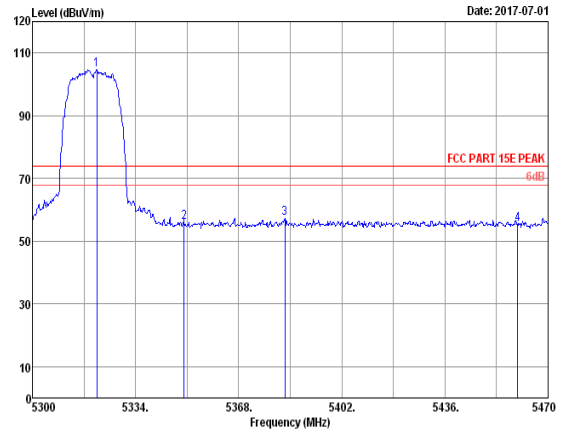
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5321.25	33.85	11.92	84.50	34.10	96.17	74.00	-22.17	Peak
2	5350.00	33.89	11.93	42.77	34.18	54.41	74.00	19.59	Peak
3	5447.56	34.03	11.94	45.39	34.29	57.07	74.00	16.93	Peak
4	5460.00	34.04	11.94	43.39	34.33	55.04	74.00	18.96	Peak

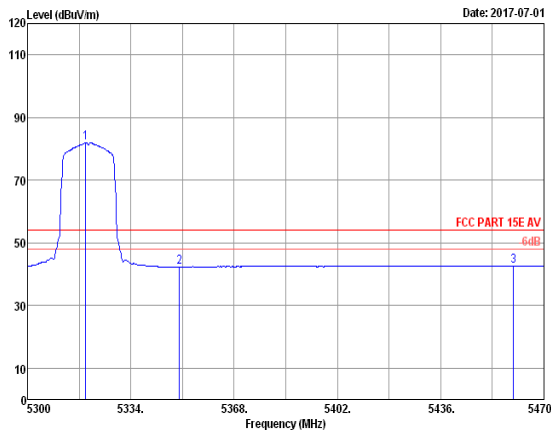
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5321.25	33.85	11.92	93.09	34.10	104.76	74.00	-30.76	Peak
2	5350.00	33.89	11.93	44.34	34.18	55.98	74.00	18.02	Peak
3	5383.30	33.94	11.93	45.69	34.22	57.34	74.00	16.66	Peak
4	5460.00	34.04	11.94	43.55	34.33	55.20	74.00	18.80	Peak

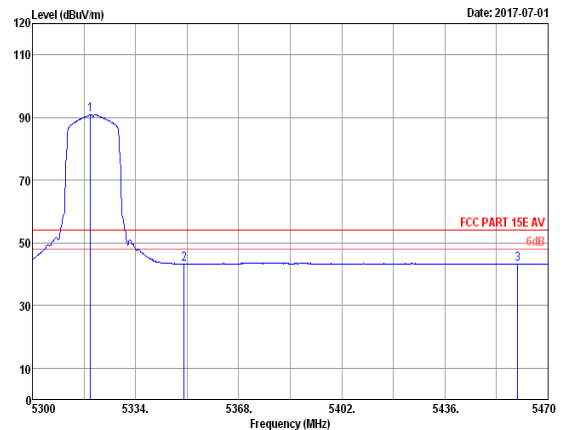
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.21	33.85	11.92	70.31	34.10	81.98	54.00	-27.98	Average
2	5350.00	33.89	11.93	30.72	34.18	42.36	54.00	11.64	Average
3	5460.00	34.04	11.94	30.92	34.33	42.57	54.00	11.43	Average

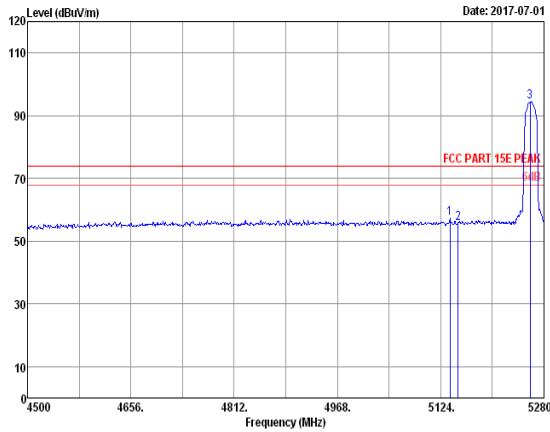
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5320MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.21	33.85	11.92	79.21	34.10	90.88	54.00	-36.88	Average
2	5350.00	33.89	11.93	31.66	34.18	43.30	54.00	10.70	Average
3	5460.00	34.04	11.94	31.48	34.33	43.13	54.00	10.87	Average

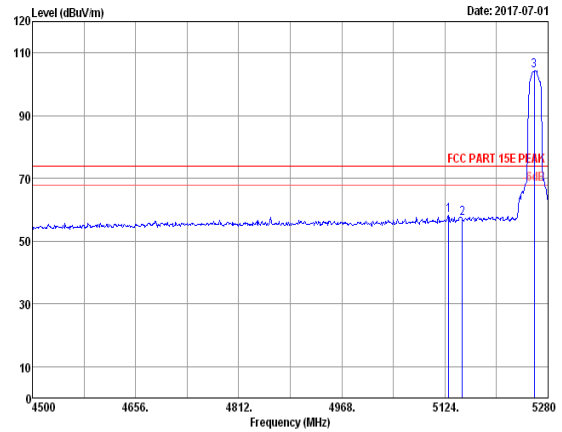
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5138.04	33.59	11.90	45.75	33.83	57.41	74.00	16.59	Peak
2	5150.00	33.61	11.90	44.19	33.87	55.83	74.00	18.17	Peak
3	5258.94	33.76	11.92	82.80	34.02	94.46	74.00	-20.46	Peak

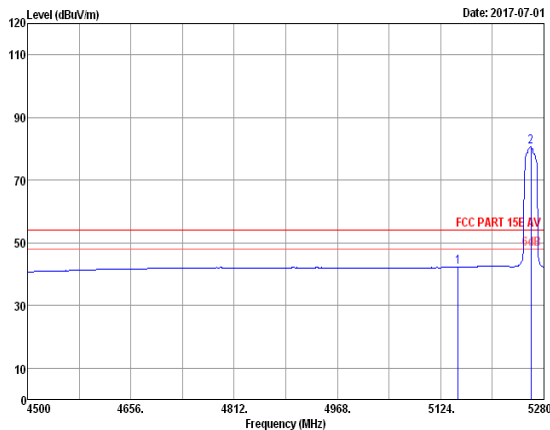
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5129.46	33.58	11.90	46.52	33.83	58.17	74.00	15.83	Peak
2	5150.00	33.61	11.90	45.70	33.87	57.34	74.00	16.66	Peak
3	5258.94	33.76	11.92	92.77	34.02	104.43	74.00	-30.43	Peak

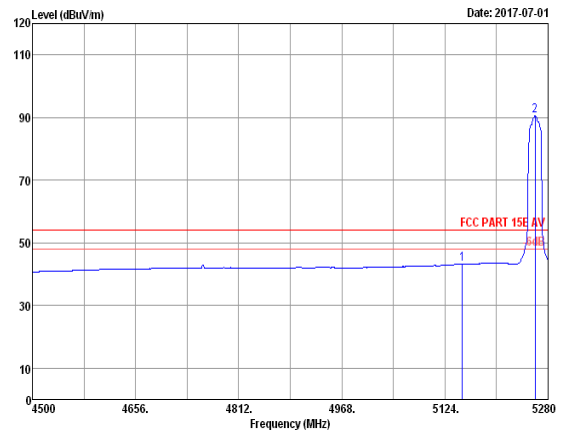
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.61	33.87	42.25	54.00	11.75	Average
2	5260.50	33.76	11.92	68.96	34.02	80.62	54.00	-26.62	Average

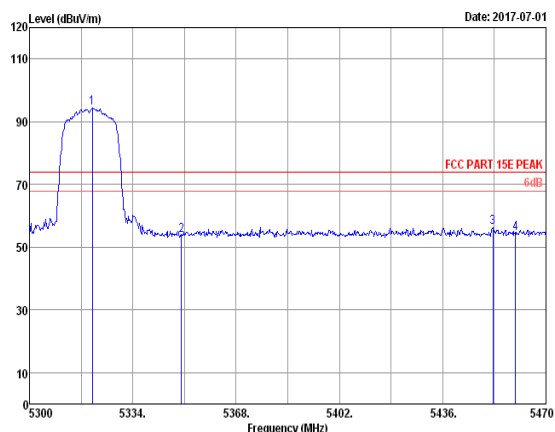
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5260MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	31.51	33.87	43.15	54.00	10.85	Average
2	5260.50	33.76	11.92	78.92	34.02	90.58	54.00	-36.58	Average

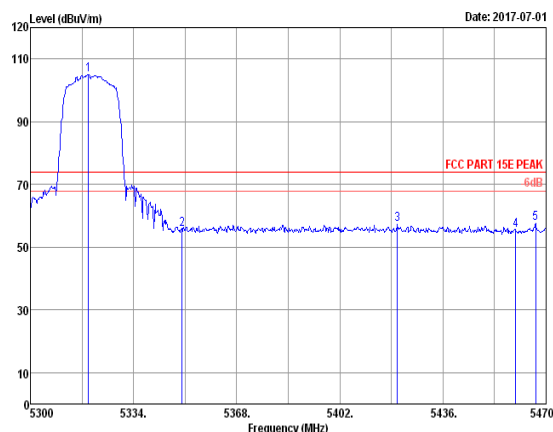
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.74	33.85	11.92	82.81	34.10	94.48	74.00	-20.48	Peak
2	5350.00	33.89	11.93	42.21	34.18	53.85	74.00	20.15	Peak
3	5452.49	34.03	11.94	44.81	34.33	56.45	74.00	17.55	Peak
4	5460.00	34.04	11.94	42.84	34.33	54.49	74.00	19.51	Peak

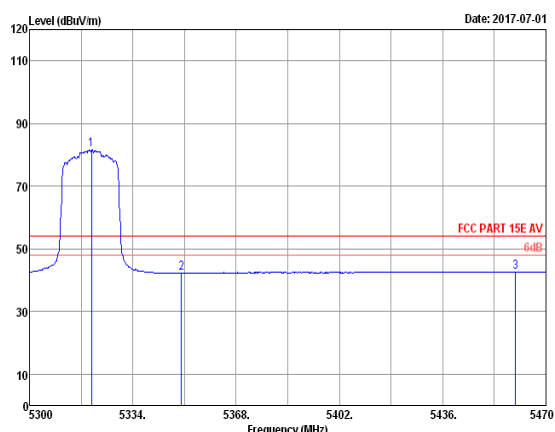
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.21	33.85	11.92	93.19	34.10	104.86	74.00	-30.86	Peak
2	5350.00	33.89	11.93	43.90	34.18	55.54	74.00	18.46	Peak
3	5421.04	33.99	11.94	45.51	34.25	57.19	74.00	16.81	Peak
4	5460.00	34.04	11.94	43.67	34.33	55.32	74.00	18.68	Peak
5	5466.60	34.05	11.95	45.88	34.33	57.55	74.00	16.45	Peak

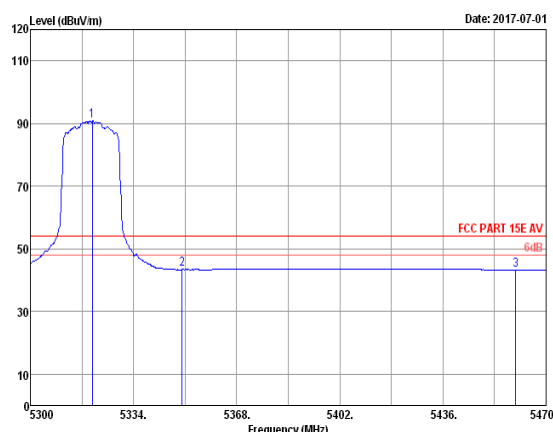
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.40	33.85	11.92	69.90	34.10	81.57	54.00	-27.57	Average
2	5350.00	33.89	11.93	30.66	34.18	42.30	54.00	11.70	Average
3	5460.00	34.04	11.94	30.86	34.33	42.51	54.00	11.49	Average

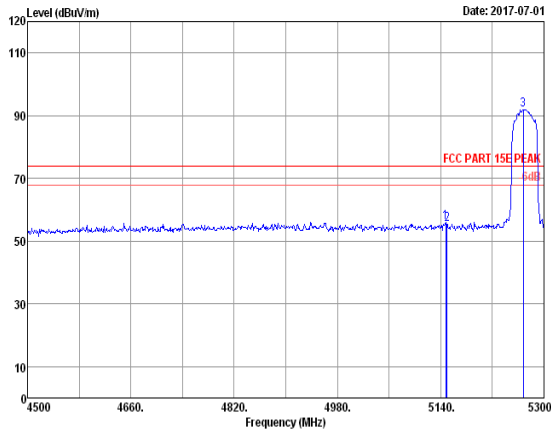
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5320MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.40	33.85	11.92	79.15	34.10	90.82	54.00	-36.82	Average
2	5350.00	33.89	11.93	31.72	34.18	43.36	54.00	10.64	Average
3	5460.00	34.04	11.94	31.57	34.33	43.22	54.00	10.78	Average

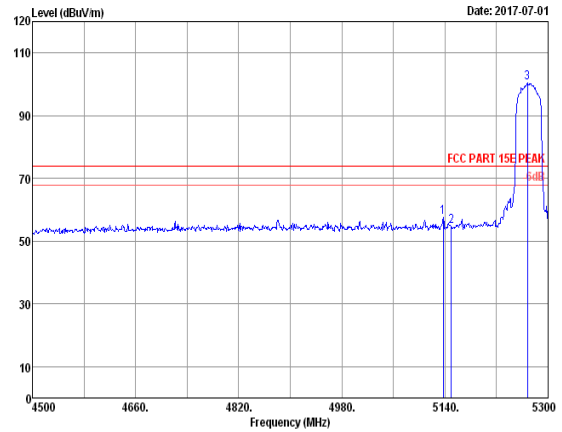
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 : N/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5148.00	33.61	11.90	44.32	33.87	55.96	74.00	18.04	Peak
2	5150.00	33.61	11.90	43.61	33.87	55.25	74.00	18.75	Peak
3	5268.00	33.78	11.92	80.27	34.02	91.95	74.00	-17.95	Peak

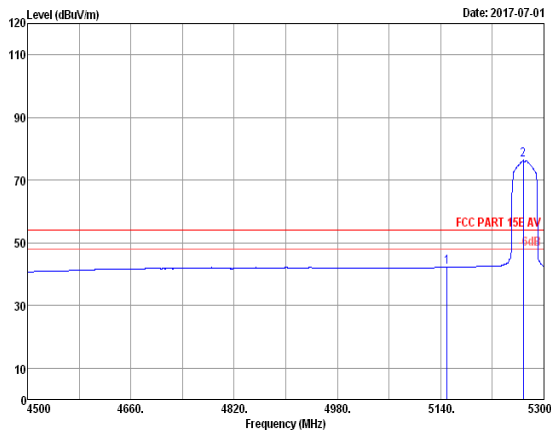
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 : N/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5137.60	33.59	11.90	45.95	33.83	57.61	74.00	16.39	Peak
2	5150.00	33.61	11.90	43.15	33.87	54.79	74.00	19.21	Peak
3	5268.00	33.78	11.92	88.76	34.02	100.44	74.00	-26.44	Peak

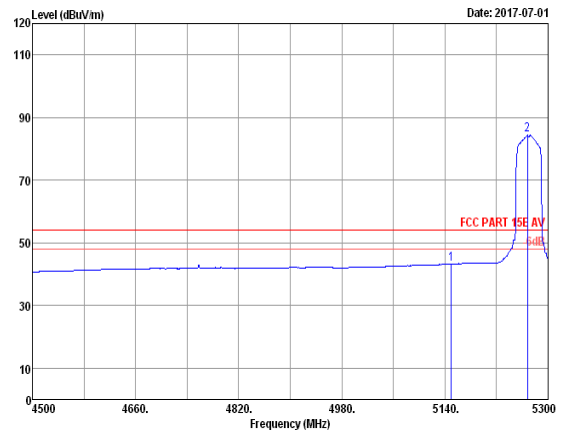
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 : N/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	30.54	33.87	42.18	54.00	11.82	Average
2	5268.00	33.78	11.92	64.65	34.02	76.33	54.00	-22.33	Average

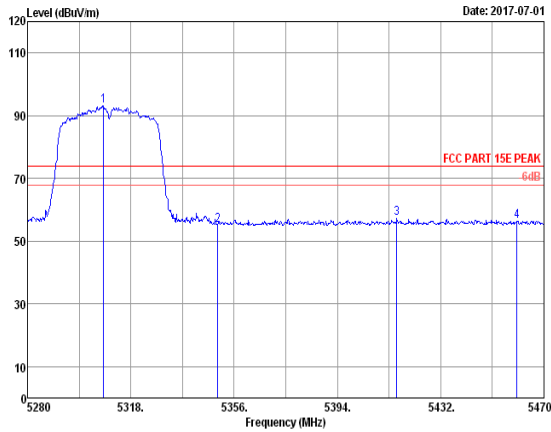
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5270MHz Tx Mode
 : N/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.61	11.90	31.58	33.87	43.22	54.00	10.78	Average
2	5268.00	33.78	11.92	72.66	34.02	84.34	54.00	-30.34	Average

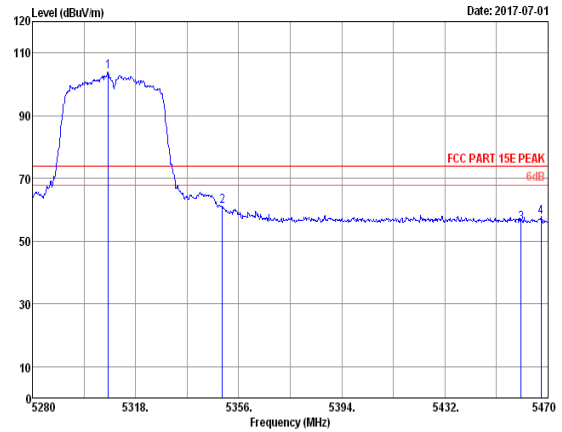
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5307.93	33.83	11.92	81.59	34.10	93.24	74.00	-19.24	Peak
2	5350.00	33.89	11.93	43.44	34.18	55.08	74.00	18.92	Peak
3	5415.85	33.98	11.94	45.70	34.25	57.37	74.00	16.63	Peak
4	5460.00	34.04	11.94	44.68	34.33	56.33	74.00	17.67	Peak

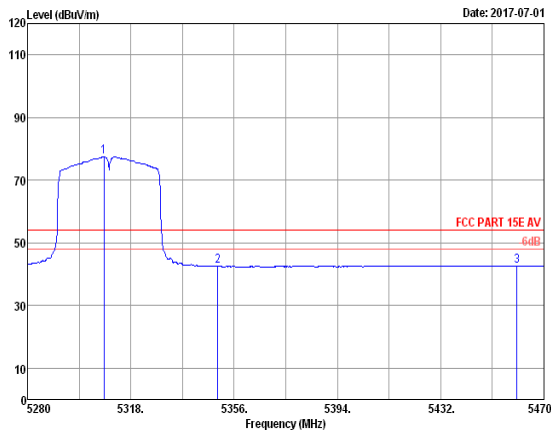
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -AMP Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5307.93	33.83	11.92	92.25	34.10	103.90	74.00	-29.90	Peak
2	5350.00	33.89	11.93	49.52	34.18	61.16	74.00	12.84	Peak
3	5460.00	34.04	11.94	44.11	34.33	55.76	74.00	18.24	Peak
4	5467.34	34.05	11.95	45.89	34.33	57.56	74.00	16.44	Peak

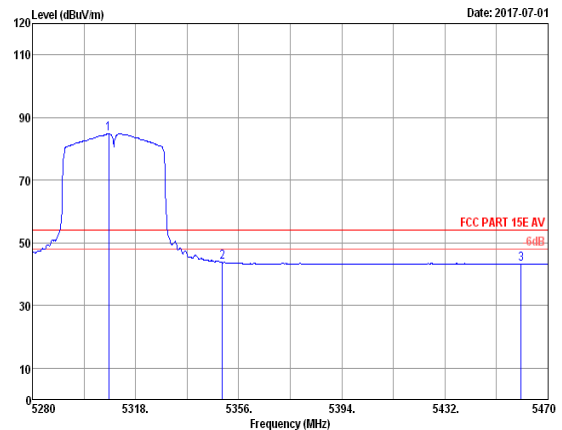
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -AMP Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5308.12	33.83	11.92	65.82	34.10	77.47	54.00	-23.47	Average
2	5350.00	33.89	11.93	30.80	34.18	42.44	54.00	11.56	Average
3	5460.00	34.04	11.94	30.88	34.33	42.53	54.00	11.47	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -AMP Factor
 2. The emission levels that are 20dB below the official limit are not reported.

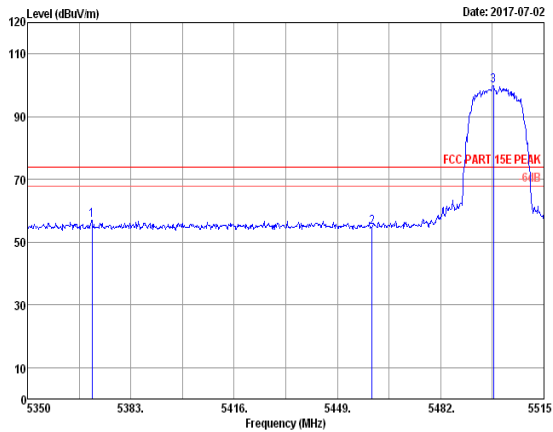


Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5310MHz Tx Mode
 : N/A: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5308.12	33.83	11.92	73.18	34.10	84.83	54.00	-30.83	Average
2	5350.00	33.89	11.93	32.05	34.18	43.69	54.00	10.31	Average
3	5460.00	34.04	11.94	31.54	34.33	43.19	54.00	10.81	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -AMP Factor
 2. The emission levels that are 20dB below the official limit are not reported.

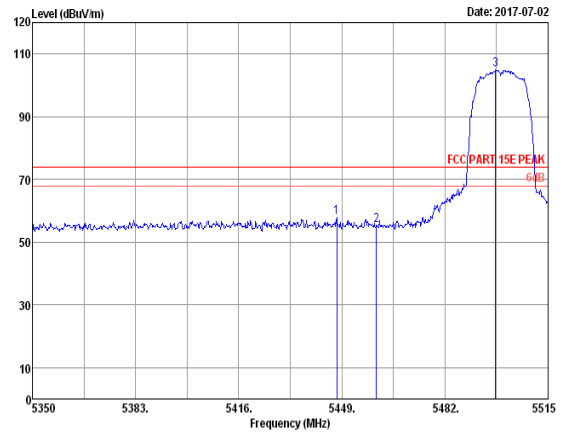
5500-5720MHz Band:



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5370.63	33.92	11.93	45.23	34.18	56.90	74.00	17.10	Peak
2	5460.00	34.04	11.94	43.20	34.33	54.85	74.00	19.15	Peak
3	5498.83	34.10	11.95	88.24	34.37	99.92	74.00	-25.92	Peak

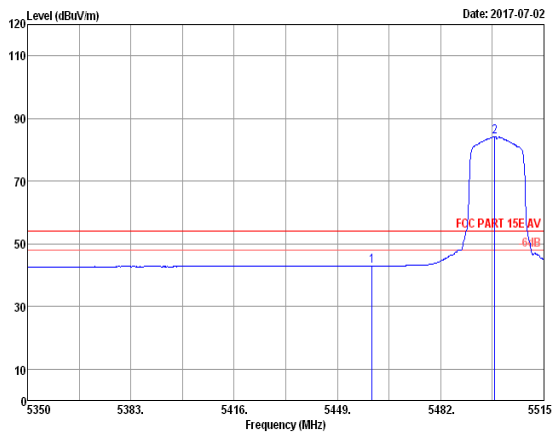
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5447.35	34.03	11.94	46.36	34.29	58.04	74.00	15.96	Peak
2	5460.00	34.04	11.94	43.79	34.33	55.44	74.00	18.56	Peak
3	5498.17	34.10	11.95	93.27	34.37	104.95	74.00	-30.95	Peak

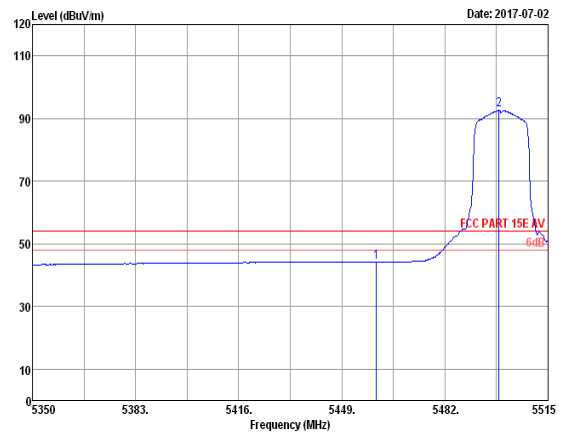
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	31.28	34.33	42.93	54.00	11.07	Average
2	5499.33	34.10	11.95	72.53	34.37	84.21	54.00	-30.21	Average

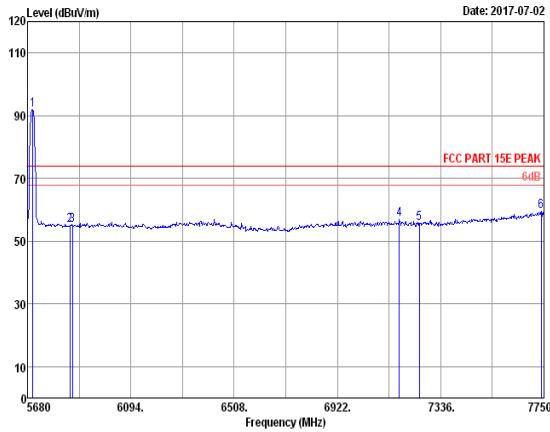
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5500MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	32.51	34.33	44.16	54.00	9.84	Average
2	5499.33	34.10	11.95	80.96	34.37	92.64	54.00	-38.64	Average

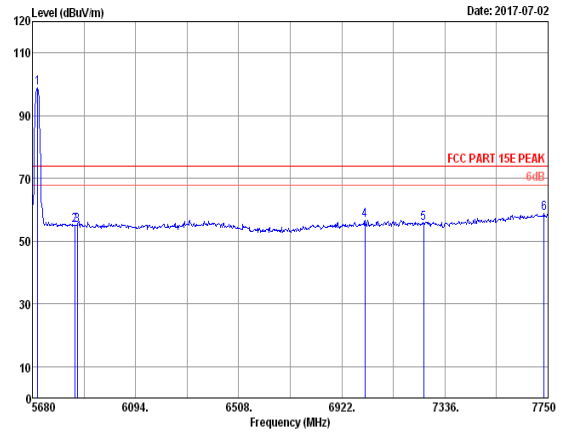
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	80.65	34.97	91.87	74.00	-17.87	Peak
2	5850.00	34.31	11.98	44.04	35.43	54.90	74.00	19.10	Peak
3	5860.00	34.32	11.98	44.24	35.50	55.04	74.00	18.96	Peak
4	7170.40	35.68	12.41	46.28	37.33	57.04	74.00	16.96	Peak
5	7250.00	35.90	12.48	44.44	37.26	55.56	74.00	18.44	Peak
6	7739.65	36.84	12.78	46.29	36.40	59.51	74.00	14.49	Peak

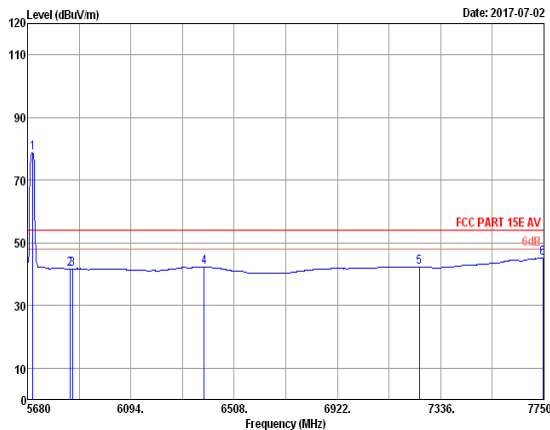
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	87.53	34.97	98.75	74.00	-24.75	Peak
2	5850.00	34.31	11.98	44.27	35.43	55.13	74.00	18.87	Peak
3	5860.00	34.32	11.98	44.29	35.50	55.09	74.00	18.91	Peak
4	7015.15	35.24	12.28	46.66	37.48	56.70	74.00	17.30	Peak
5	7250.00	35.90	12.48	44.67	37.26	55.79	74.00	18.21	Peak
6	7733.44	36.83	12.77	45.59	36.40	58.79	74.00	15.21	Peak

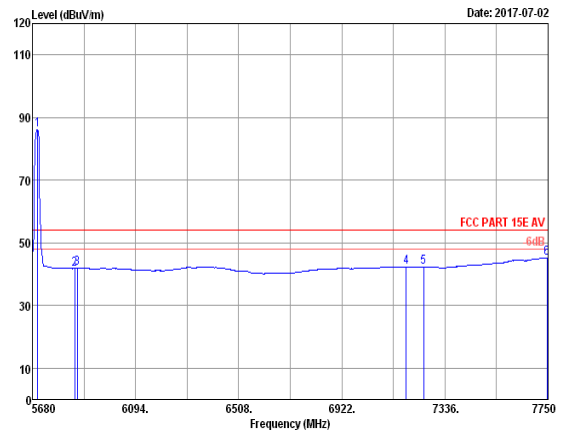
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	67.58	34.97	78.80	54.00	-24.80	Average
2	5850.00	34.31	11.98	30.71	35.43	41.57	54.00	12.43	Average
3	5860.00	34.32	11.98	30.86	35.50	41.66	54.00	12.34	Average
4	6387.94	34.32	12.06	32.02	36.05	42.35	54.00	11.65	Average
5	7250.00	35.90	12.48	31.07	37.26	42.19	54.00	11.81	Average
6	7745.86	36.85	12.78	31.77	36.33	45.07	54.00	8.93	Average

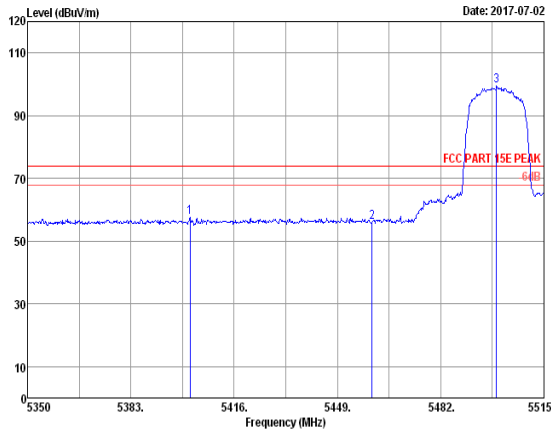
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.7°C/52.4% Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	74.92	34.97	86.14	54.00	-32.14	Average
2	5850.00	34.31	11.98	30.89	35.43	41.75	54.00	12.25	Average
3	5860.00	34.32	11.98	31.02	35.50	41.82	54.00	12.18	Average
4	7180.75	35.71	12.42	31.58	37.33	42.38	54.00	11.62	Average
5	7250.00	35.90	12.48	31.08	37.26	42.20	54.00	11.80	Average
6	7745.86	36.85	12.78	31.82	36.33	45.12	54.00	8.88	Average

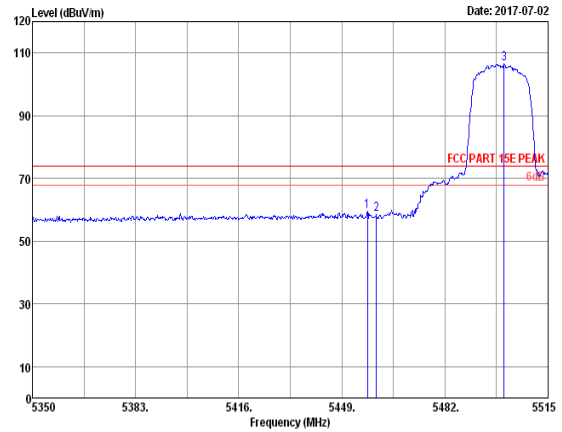
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5401.98	33.96	11.94	45.80	34.25	57.45	74.00	16.55	Peak
2	5460.00	34.04	11.94	44.50	34.33	56.15	74.00	17.85	Peak
3	5499.82	34.10	11.95	87.73	34.37	99.41	74.00	-25.41	Peak

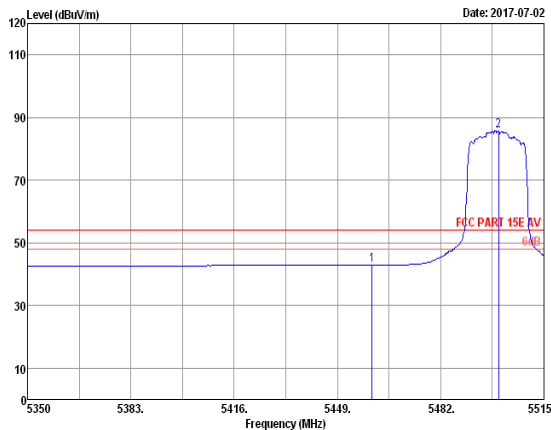
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5457.25	34.04	11.94	47.96	34.33	59.61	74.00	14.39	Peak
2	5460.00	34.04	11.94	47.00	34.33	58.85	74.00	15.35	Peak
3	5500.98	34.10	11.95	94.94	34.45	106.54	74.00	-32.54	Peak

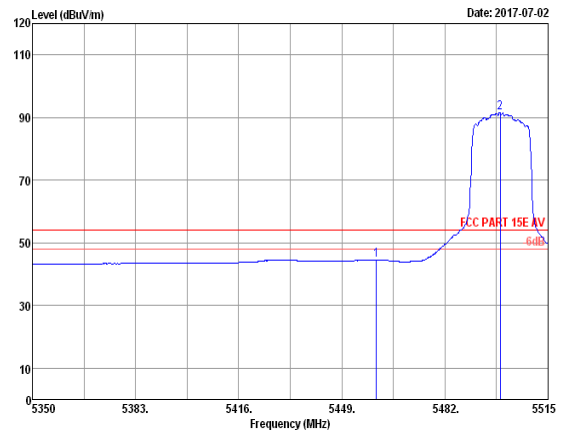
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	31.24	34.33	42.89	54.00	11.11	Average
2	5500.48	34.10	11.95	74.18	34.37	85.86	54.00	-31.86	Average

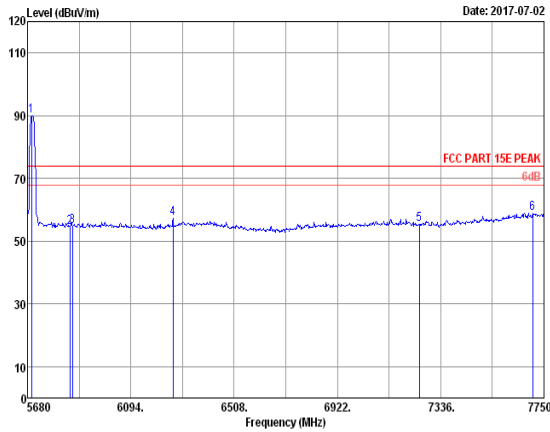
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5500MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	32.88	34.33	44.53	54.00	9.47	Average
2	5499.66	34.10	11.95	79.89	34.37	91.57	54.00	-37.57	Average

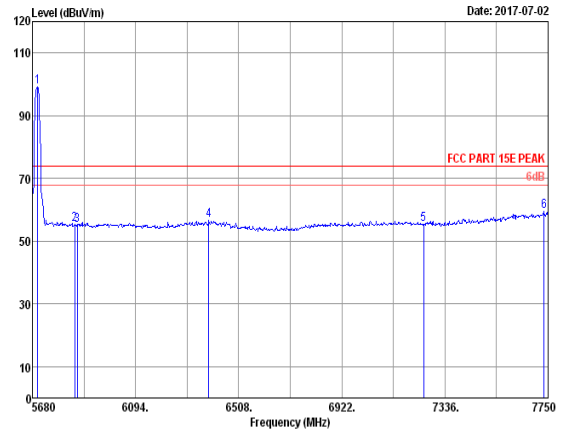
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5696.56	34.22	11.97	78.75	34.97	89.97	74.00	-15.97	Peak
2	5850.00	34.31	11.98	43.67	35.43	54.53	74.00	19.47	Peak
3	5860.00	34.32	11.98	43.95	35.50	54.75	74.00	19.25	Peak
4	6263.74	34.35	12.04	46.73	36.00	57.12	74.00	16.88	Peak
5	7250.00	35.90	12.48	44.24	37.26	55.36	74.00	18.64	Peak
6	7704.46	36.80	12.76	45.78	36.47	58.87	74.00	15.13	Peak

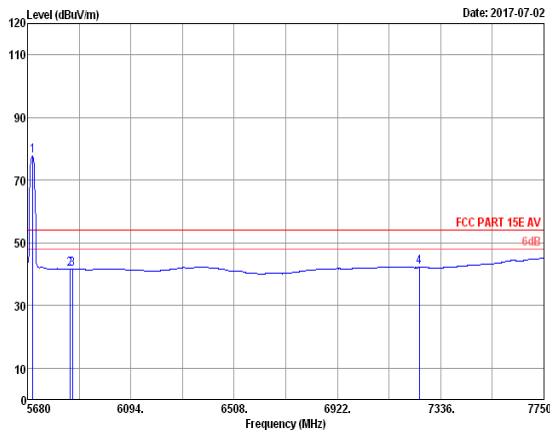
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	88.05	34.97	99.27	74.00	-25.27	Peak
2	5850.00	34.31	11.98	44.36	35.43	55.22	74.00	18.78	Peak
3	5860.00	34.32	11.98	44.24	35.50	55.04	74.00	18.96	Peak
4	6387.94	34.32	12.06	46.16	36.05	56.49	74.00	17.51	Peak
5	7250.00	35.90	12.48	44.38	37.26	55.50	74.00	18.50	Peak
6	7733.44	36.83	12.77	46.46	36.40	59.66	74.00	14.34	Peak

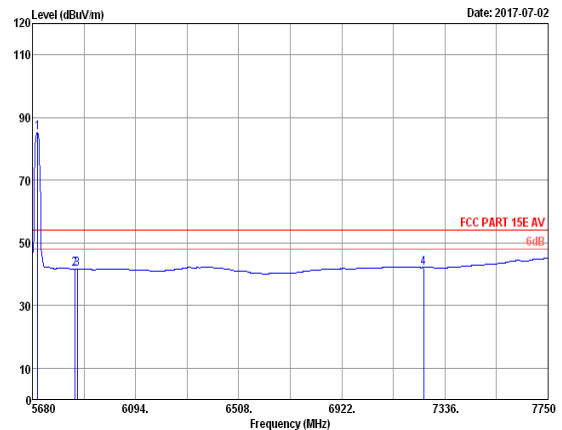
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	66.48	34.97	77.70	54.00	-23.70	Average
2	5850.00	34.31	11.98	30.61	35.43	41.47	54.00	12.53	Average
3	5860.00	34.32	11.98	30.71	35.50	41.51	54.00	12.49	Average
4	7250.00	35.90	12.48	31.00	37.26	42.12	54.00	11.88	Average

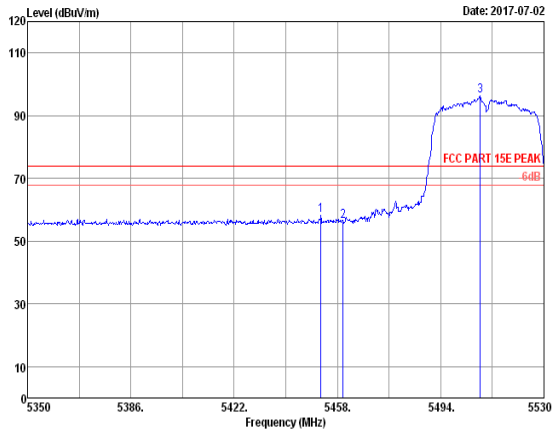
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5700MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	34.22	11.97	73.96	34.97	85.18	54.00	-31.18	Average
2	5850.00	34.31	11.98	30.69	35.43	41.55	54.00	12.45	Average
3	5860.00	34.32	11.98	30.80	35.50	41.60	54.00	12.40	Average
4	7250.00	35.90	12.48	30.95	37.26	42.07	54.00	11.93	Average

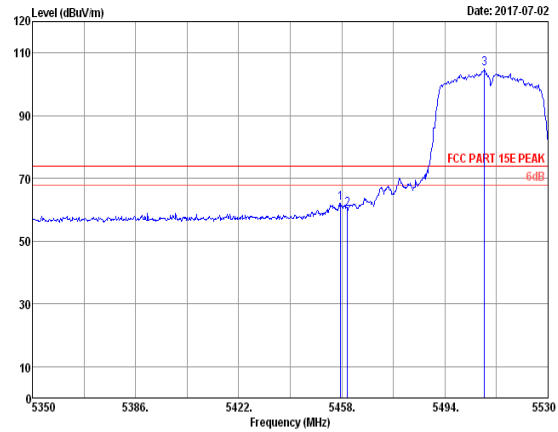
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5452.24	34.03	11.94	46.44	34.33	58.08	74.00	15.92	Peak
2	5460.00	34.04	11.94	44.63	34.33	56.28	74.00	17.72	Peak
3	5507.86	34.10	11.95	84.75	34.45	96.35	74.00	-22.35	Peak

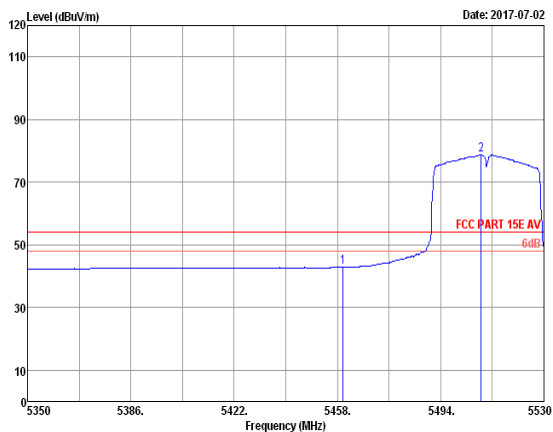
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5457.64	34.04	11.94	50.51	34.33	62.16	74.00	11.84	Peak
2	5460.00	34.04	11.94	48.66	34.33	60.31	74.00	13.69	Peak
3	5507.86	34.10	11.95	93.39	34.45	104.99	74.00	-30.99	Peak

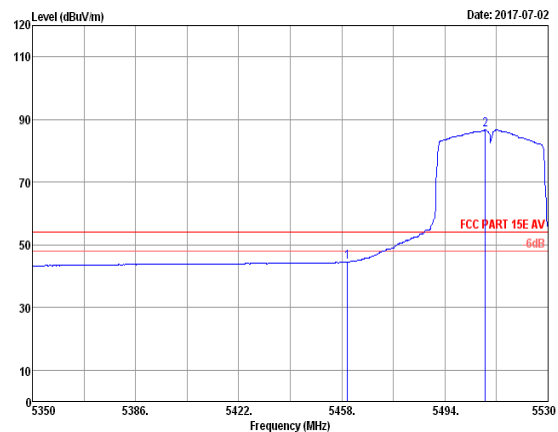
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	31.12	34.33	42.77	54.00	11.23	Average
2	5508.04	34.10	11.95	67.11	34.45	78.71	54.00	-24.71	Average

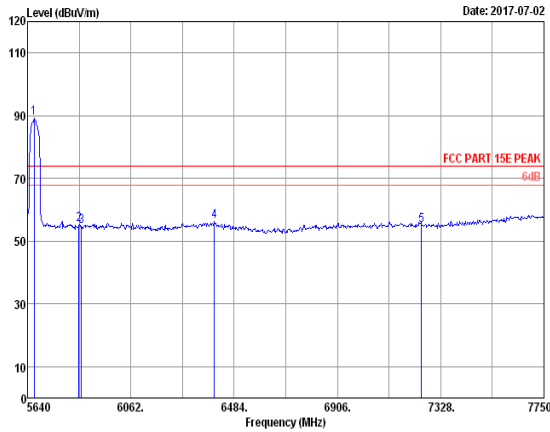
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5510MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	34.04	11.94	32.87	34.33	44.52	54.00	9.48	Average
2	5508.04	34.10	11.95	75.01	34.45	86.61	54.00	-32.61	Average

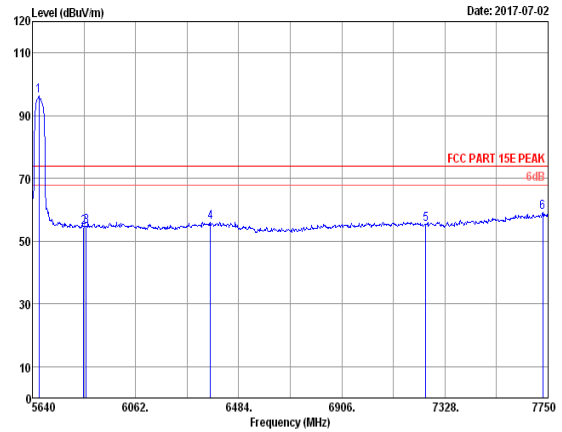
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5667.43	34.20	11.96	77.93	34.90	89.19	74.00	-15.19	Peak
2	5850.00	34.31	11.98	44.38	35.43	55.24	74.00	18.76	Peak
3	5860.00	34.32	11.98	43.88	35.50	54.68	74.00	19.32	Peak
4	6403.82	34.32	12.06	45.90	36.06	56.22	74.00	17.78	Peak
5	7250.00	35.90	12.48	43.76	37.26	54.88	74.00	19.12	Peak

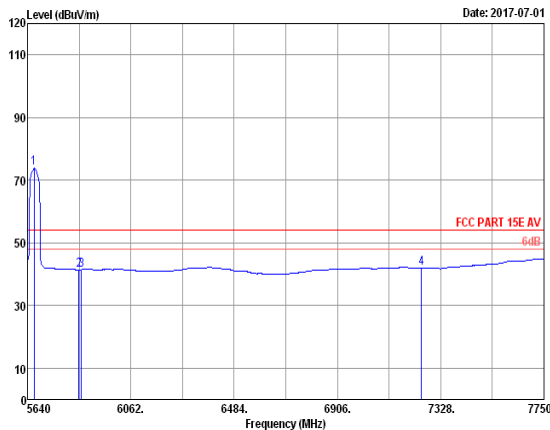
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 58
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5667.43	34.20	11.96	85.14	34.90	96.40	74.00	-22.40	Peak
2	5850.00	34.31	11.98	43.59	35.43	54.45	74.00	19.55	Peak
3	5860.00	34.32	11.98	43.88	35.50	54.68	74.00	19.32	Peak
4	6387.95	34.33	12.06	45.75	36.06	56.09	74.00	17.91	Peak
5	7250.00	35.90	12.48	44.14	37.26	55.26	74.00	18.74	Peak
6	7728.90	36.83	12.77	45.85	36.40	59.05	74.00	14.95	Peak

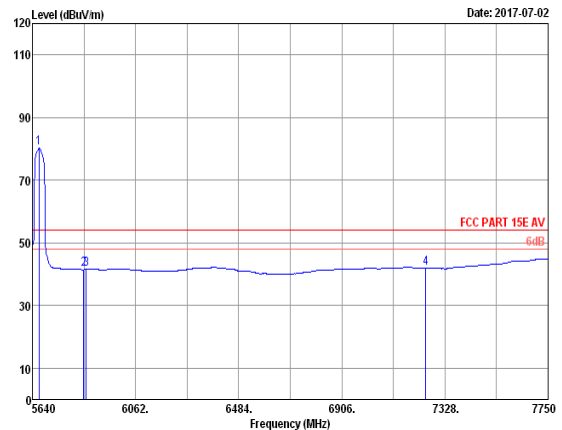
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 60
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5667.43	34.20	11.96	62.61	34.90	73.87	54.00	-19.87	Average
2	5850.00	34.31	11.98	30.52	35.43	41.38	54.00	12.62	Average
3	5860.00	34.32	11.98	30.83	35.50	41.43	54.00	12.57	Average
4	7250.00	35.90	12.48	30.83	37.26	41.95	54.00	12.05	Average

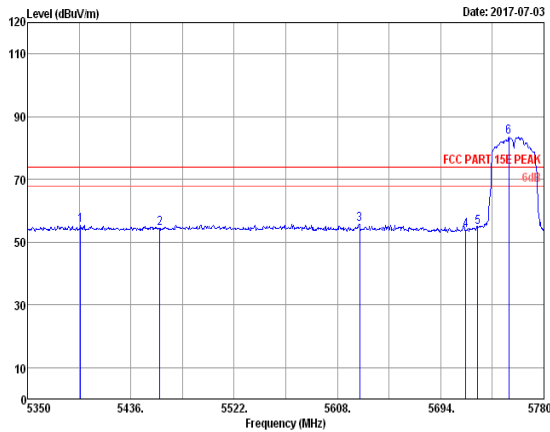
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 59
 Dis. / Ant. : 3m 2016 3115(4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5670MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5667.43	34.20	11.96	68.92	34.90	80.18	54.00	-26.18	Average
2	5850.00	34.31	11.98	30.58	35.43	41.44	54.00	12.56	Average
3	5860.00	34.32	11.98	30.71	35.50	41.51	54.00	12.49	Average
4	7250.00	35.90	12.48	30.85	37.26	41.97	54.00	12.03	Average

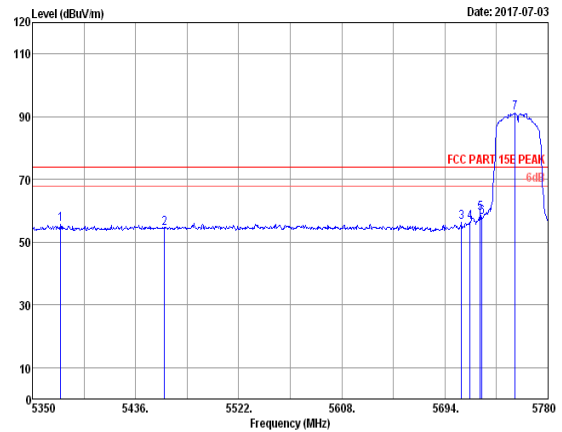
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

5745-5825MHz Band:


Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5394.29	32.40	11.94	45.26	34.22	55.38	74.00	18.62	Peak
2	5460.00	32.40	11.94	44.48	34.33	54.49	74.00	19.51	Peak
3	5628.49	32.88	11.96	45.85	34.75	55.74	74.00	18.26	Peak
4	5715.00	32.87	11.97	43.92	35.05	53.71	74.00	20.29	Peak
5	5725.00	32.90	11.97	44.92	35.05	54.74	74.00	19.26	Peak
6	5750.76	32.95	11.97	73.68	35.12	83.48	74.00	-9.48	Peak

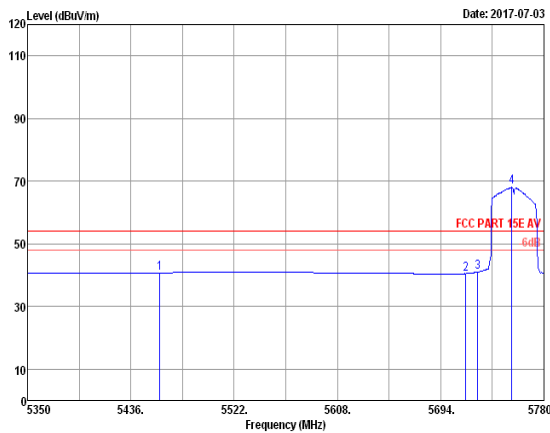
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5373.65	32.40	11.93	45.45	34.22	55.56	74.00	18.44	Peak
2	5460.00	32.40	11.94	44.52	34.33	54.53	74.00	19.47	Peak
3	5707.76	32.86	11.97	46.63	35.05	56.41	74.00	17.59	Peak
4	5715.00	32.87	11.97	46.52	35.05	56.31	74.00	17.69	Peak
5	5723.24	32.89	11.97	49.24	35.05	59.05	74.00	14.95	Peak
6	5725.00	32.90	11.97	48.08	35.05	57.90	74.00	16.10	Peak
7	5752.48	32.96	11.97	81.47	35.12	91.28	74.00	-17.28	Peak

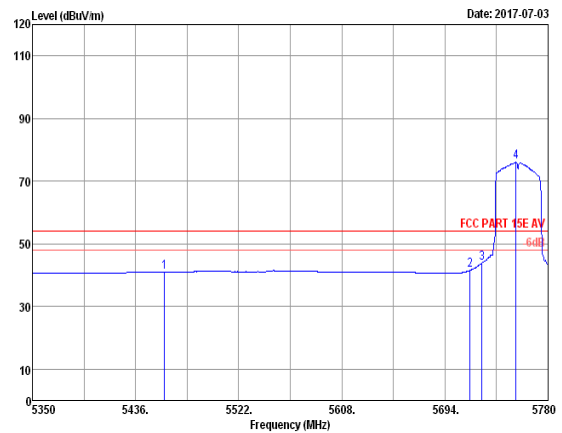
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	30.71	34.33	40.72	54.00	13.28	Average
2	5715.00	32.87	11.97	30.69	35.05	40.48	54.00	13.52	Average
3	5725.00	32.90	11.97	31.23	35.05	41.05	54.00	12.95	Average
4	5753.34	32.96	11.97	58.26	35.12	68.07	54.00	-14.07	Average

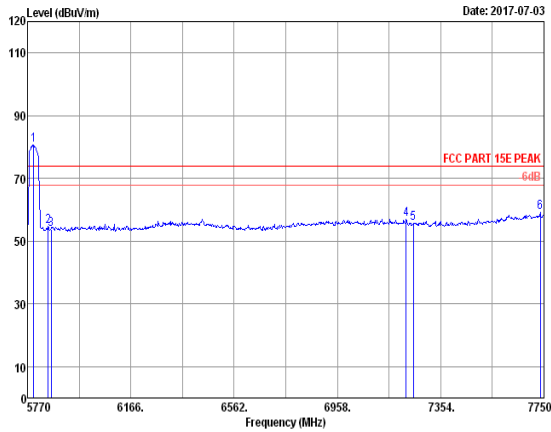
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5755MHz Tx Mode
 : M/N: LF-S50G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	30.81	34.33	40.82	54.00	13.18	Average
2	5715.00	32.87	11.97	31.79	35.05	41.58	54.00	12.42	Average
3	5725.00	32.90	11.97	34.13	35.05	43.95	54.00	10.05	Average
4	5753.34	32.96	11.97	66.20	35.12	76.01	54.00	-22.01	Average

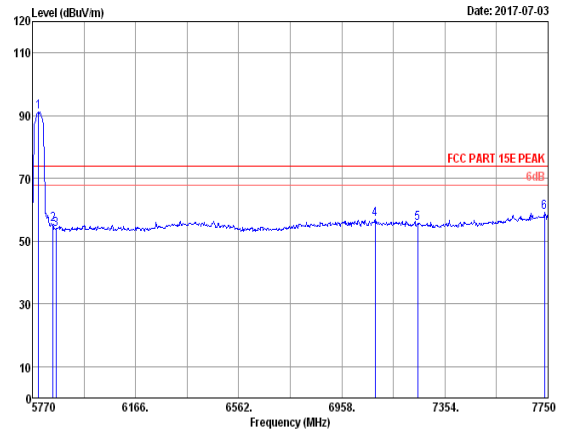
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5793.76	33.05	11.97	70.90	35.28	80.64	74.00	-6.64	Peak
2	5850.00	33.17	11.98	45.04	35.43	54.76	74.00	19.24	Peak
3	5860.00	33.19	11.98	44.15	35.50	53.82	74.00	20.18	Peak
4	7221.34	35.89	12.48	45.99	37.28	57.06	74.00	16.94	Peak
5	7250.00	35.90	12.48	44.43	37.26	55.55	74.00	18.45	Peak
6	7736.14	36.43	12.78	46.39	36.40	59.20	74.00	14.80	Peak

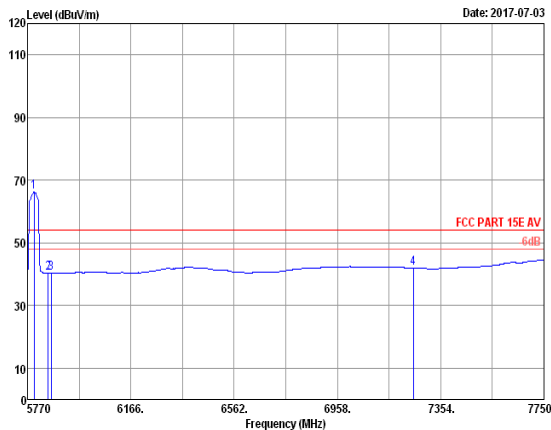
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5793.76	33.05	11.97	81.41	35.28	91.15	74.00	-17.15	Peak
2	5850.00	33.17	11.98	45.57	35.43	55.29	74.00	18.71	Peak
3	5860.00	33.19	11.98	43.98	35.50	53.65	74.00	20.35	Peak
4	7086.70	35.83	12.34	46.04	37.41	56.80	74.00	17.20	Peak
5	7250.00	35.90	12.48	44.62	37.26	55.74	74.00	18.26	Peak
6	7736.14	36.43	12.78	46.30	36.40	59.11	74.00	14.89	Peak

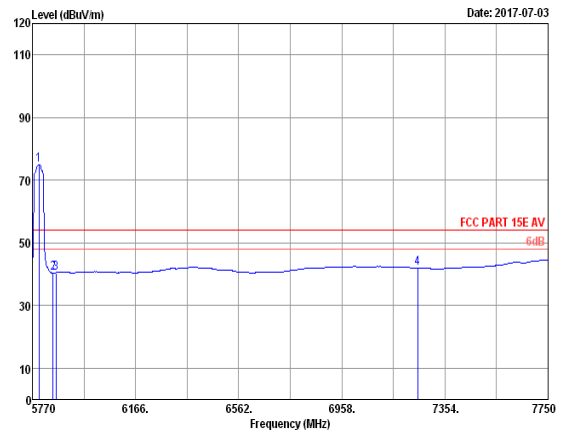
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.74	33.05	11.97	56.48	35.28	66.22	54.00	-12.22	Average
2	5850.00	33.17	11.98	30.53	35.43	40.25	54.00	13.75	Average
3	5860.00	33.19	11.98	30.61	35.50	40.28	54.00	13.72	Average
4	7250.00	35.90	12.48	30.84	37.26	41.96	54.00	12.04	Average

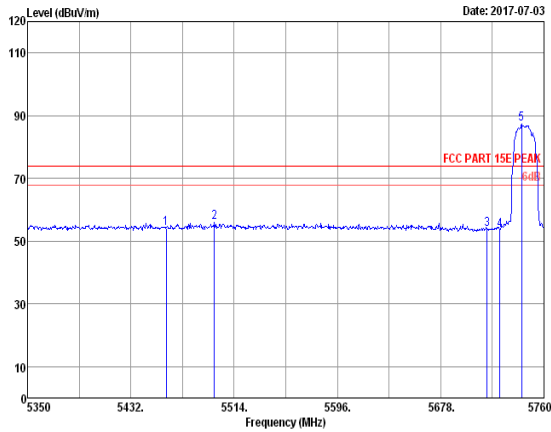
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 5795MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.74	33.05	11.97	65.26	35.28	75.00	54.00	-21.00	Average
2	5850.00	33.17	11.98	30.72	35.43	40.44	54.00	13.56	Average
3	5860.00	33.19	11.98	30.80	35.50	40.47	54.00	13.53	Average
4	7250.00	35.90	12.48	30.83	37.26	41.95	54.00	12.05	Average

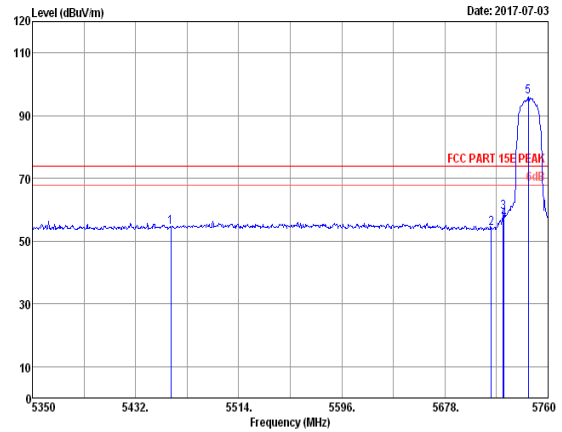
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	44.04	34.33	54.05	74.00	19.95	Peak
2	5498.42	32.40	11.95	46.07	34.37	56.05	74.00	17.95	Peak
3	5714.90	32.87	11.97	44.09	35.05	53.88	74.00	20.12	Peak
4	5725.00	32.90	11.97	43.52	35.05	53.34	74.00	20.66	Peak
5	5742.37	32.93	11.97	77.61	35.12	87.39	74.00	-13.39	Peak

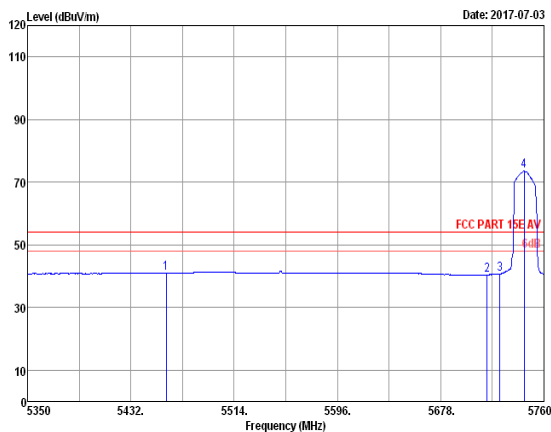
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	44.25	34.33	54.26	74.00	19.74	Peak
2	5715.00	32.87	11.97	44.28	35.05	54.07	74.00	19.93	Peak
3	5724.33	32.89	11.97	49.43	35.05	59.24	74.00	14.76	Peak
4	5725.00	32.90	11.97	47.10	35.05	56.92	74.00	17.08	Peak
5	5744.42	32.94	11.97	86.33	35.12	96.12	74.00	-22.12	Peak

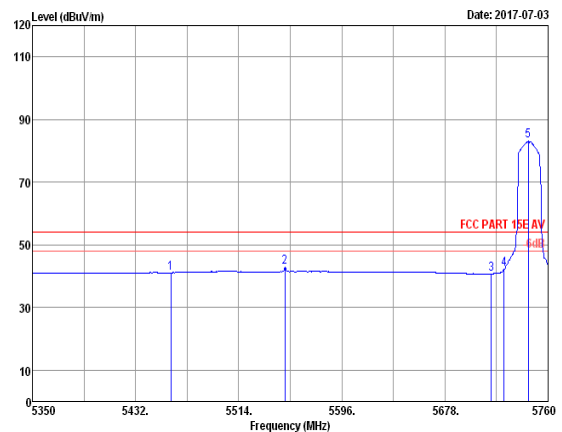
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	30.91	34.33	40.92	54.00	13.08	Average
2	5715.00	32.87	11.97	30.65	35.05	40.44	54.00	13.56	Average
3	5725.00	32.90	11.97	30.85	35.05	40.67	54.00	13.33	Average
4	5744.42	32.94	11.97	63.78	35.12	73.57	54.00	-19.57	Average

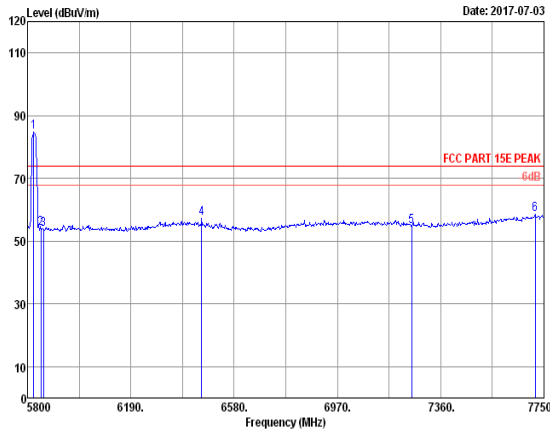
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5745MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	31.09	34.33	41.10	54.00	12.90	Average
2	5550.90	32.51	11.95	32.95	34.52	42.89	54.00	11.11	Average
3	5715.00	32.87	11.97	30.97	35.05	40.76	54.00	13.24	Average
4	5725.00	32.90	11.97	32.31	35.05	42.13	54.00	11.87	Average
5	5744.42	32.94	11.97	73.28	35.12	83.07	54.00	-29.07	Average

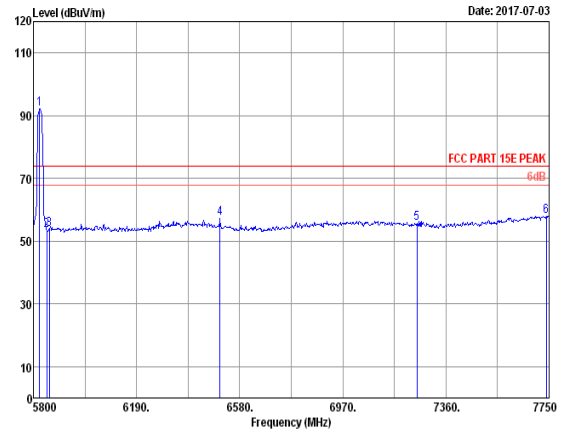
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5823.40	33.11	11.98	75.15	35.35	84.89	74.00	-10.89	Peak
2	5850.00	33.17	11.98	44.29	35.43	54.01	74.00	19.99	Peak
3	5860.00	33.19	11.98	43.98	35.50	53.65	74.00	20.35	Peak
4	6457.15	34.60	12.07	46.55	36.09	57.13	74.00	16.87	Peak
5	7250.00	35.90	12.48	43.55	37.26	54.67	74.00	19.33	Peak
6	7716.85	36.39	12.77	45.77	36.47	58.46	74.00	15.54	Peak

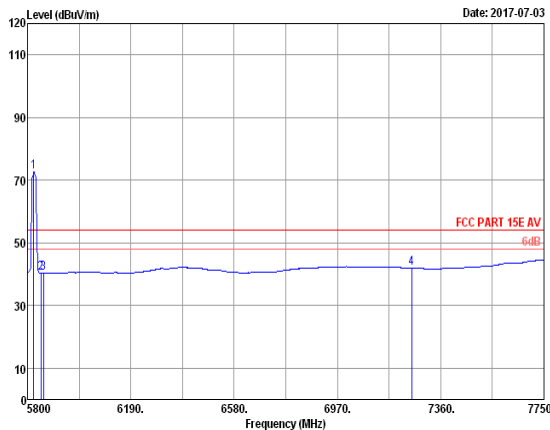
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5823.40	33.11	11.98	82.51	35.35	92.25	74.00	-18.25	Peak
2	5850.00	33.17	11.98	43.77	35.43	53.49	74.00	20.51	Peak
3	5860.00	33.19	11.98	44.16	35.50	53.83	74.00	20.17	Peak
4	6505.90	34.71	12.08	46.47	36.11	57.15	74.00	16.85	Peak
5	7250.00	35.90	12.48	44.40	37.26	55.52	74.00	18.48	Peak
6	7740.25	36.43	12.78	45.22	36.40	58.03	74.00	15.97	Peak

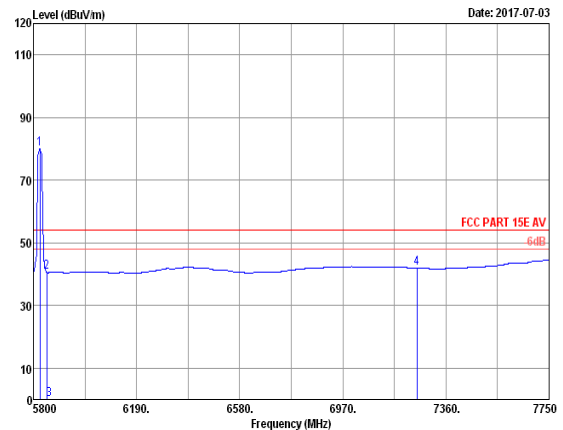
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5823.40	33.11	11.98	62.81	35.35	72.55	54.00	-18.55	Average
2	5850.00	33.17	11.98	30.55	35.43	40.27	54.00	13.73	Average
3	5860.00	33.19	11.98	30.66	35.50	40.33	54.00	13.67	Average
4	7250.00	35.90	12.48	30.77	37.26	41.89	54.00	12.11	Average

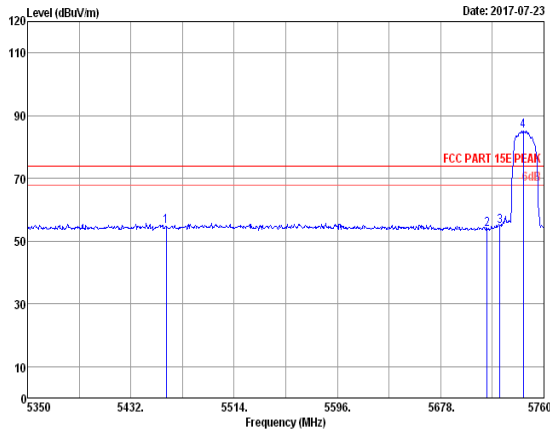
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4K Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11a 5825MHz Tx Mode
 : M/N: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.35	33.12	11.98	70.41	35.35	80.16	54.00	-26.16	Average
2	5850.00	33.17	11.98	30.78	35.43	40.50	54.00	13.50	Average
3	5860.00	33.19	11.98	-9.67	35.50	0.00	54.00	54.00	Average
4	7250.00	35.90	12.48	30.80	37.26	41.92	54.00	12.08	Average

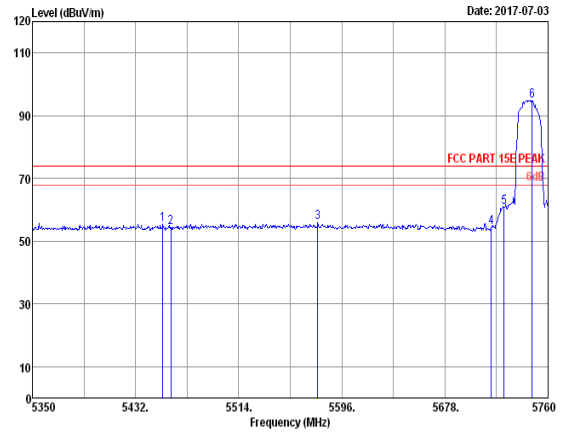
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	44.75	34.33	54.76	74.00	19.24	Peak
2	5715.00	32.87	11.97	44.04	35.05	53.83	74.00	20.17	Peak
3	5725.00	32.90	11.97	44.76	35.05	54.58	74.00	19.42	Peak
4	5743.60	32.94	11.97	75.31	35.12	85.10	74.00	-11.10	Peak

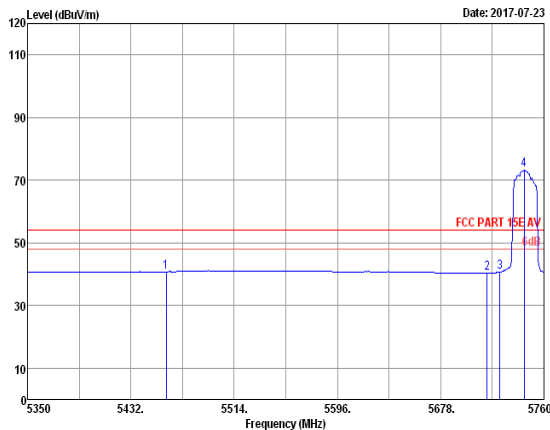
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5453.73	32.40	11.94	45.40	34.33	55.41	74.00	18.59	Peak
2	5460.00	32.40	11.94	44.52	34.33	54.53	74.00	19.47	Peak
3	5576.73	32.57	11.96	45.94	34.60	55.87	74.00	18.13	Peak
4	5715.00	32.87	11.97	44.68	35.05	54.47	74.00	19.53	Peak
5	5725.00	32.90	11.97	50.98	35.05	60.80	74.00	13.20	Peak
6	5747.29	32.94	11.97	85.02	35.12	94.81	74.00	-20.81	Peak

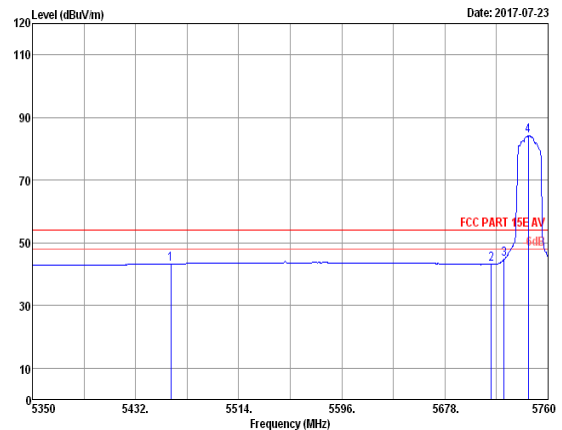
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	30.71	34.33	40.72	54.00	13.28	Average
2	5715.00	32.87	11.97	30.56	35.05	40.35	54.00	13.65	Average
3	5725.00	32.90	11.97	30.85	35.05	40.67	54.00	13.33	Average
4	5744.42	32.94	11.97	63.35	35.12	73.14	54.00	-19.14	Average

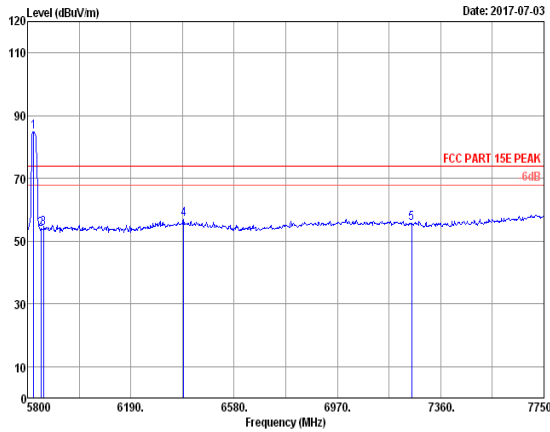
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4W Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5745MHz Tx Mode
 : M/N: LF-350G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	33.18	34.33	43.19	54.00	10.81	Average
2	5715.00	32.87	11.97	33.29	35.05	43.08	54.00	10.92	Average
3	5725.00	32.90	11.97	34.88	35.05	44.70	54.00	9.30	Average
4	5744.42	32.94	11.97	74.45	35.12	84.24	54.00	-30.24	Average

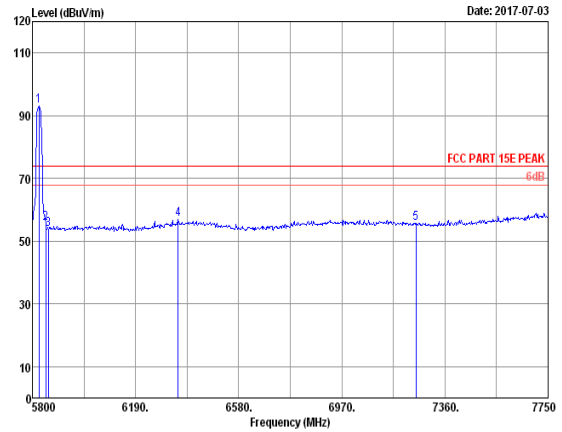
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5823.40	33.11	11.98	75.13	35.35	84.87	74.00	-10.87	Peak
2	5850.00	33.17	11.98	43.99	35.43	53.71	74.00	20.29	Peak
3	5860.00	33.19	11.98	44.56	35.50	54.23	74.00	19.77	Peak
4	6388.90	34.43	12.06	46.53	36.05	56.97	74.00	17.03	Peak
5	7250.00	35.90	12.48	44.53	37.26	55.65	74.00	18.35	Peak

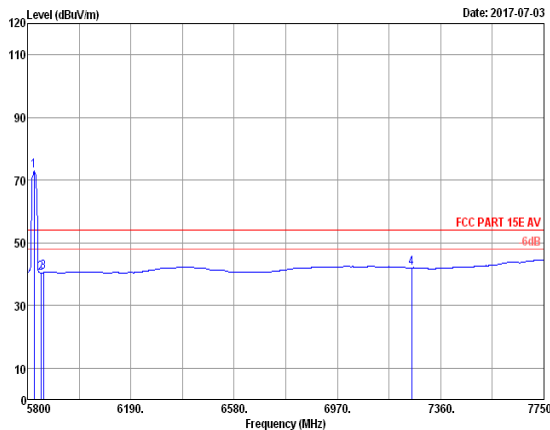
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E PEAK Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.35	33.12	11.98	83.24	35.35	92.99	74.00	-18.99	Peak
2	5850.00	33.17	11.98	46.07	35.43	55.79	74.00	18.21	Peak
3	5860.00	33.19	11.98	44.24	35.50	53.91	74.00	20.09	Peak
4	6381.85	34.34	12.05	46.69	36.04	57.04	74.00	16.96	Peak
5	7250.00	35.90	12.48	44.50	37.26	55.62	74.00	18.38	Peak

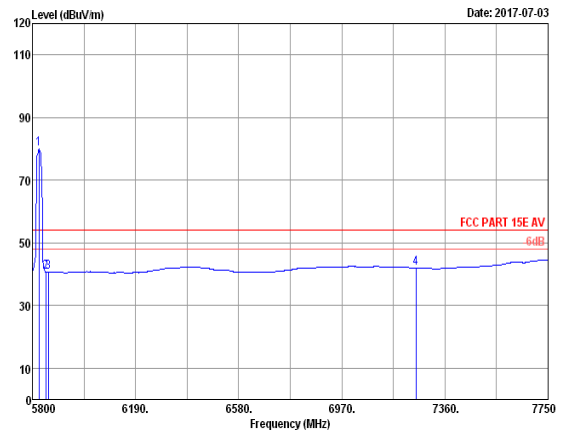
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.35	33.12	11.98	63.29	35.35	73.04	54.00	-19.04	Average
2	5850.00	33.17	11.98	30.67	35.43	40.39	54.00	13.61	Average
3	5860.00	33.19	11.98	30.82	35.50	40.49	54.00	13.51	Average
4	7250.00	35.90	12.48	30.93	37.26	42.05	54.00	11.95	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15E AV Pre : 101.2kPa
 Env. / Ins. : 23.74C/52.4kPa Engineer : zack_zhu
 EUT : Wireless Speaker
 Power : DC 15V From Adaptor Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 5825MHz Tx Mode
 : N/A: LF-550G

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.35	33.12	11.98	70.26	35.35	80.01	54.00	-26.01	Average
2	5850.00	33.17	11.98	30.86	35.43	40.58	54.00	13.42	Average
3	5860.00	33.19	11.98	30.91	35.50	40.58	54.00	13.42	Average
4	7250.00	35.90	12.48	30.91	37.26	42.03	54.00	11.97	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

6. 6dB & 99%&26dB Bandwidth Test

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,16	1 Year

6.2.Limit

6dB Bandwidth should be not less than 500kHz

6.3.Test Procedure

6dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW for signal width below 20MHz and 300KHz RBW ,1MHz VBW for Above 20MHz signal Bandwidth.

26dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.4.Test Results

5180-5240MHz Band 1:
6dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH36	15.13	≥ 500
	CH40	15.14	≥ 500
	CH48	15.13	≥ 500
11n HT20	CH36	15.13	≥ 500
	CH40	15.12	≥ 500
	CH48	15.13	≥ 500
11n HT40	CH38	35.16	≥ 500
	CH46	35.14	≥ 500

Conclusion: PASS

Test Mode	CH	99% bandwidth (MHz)	Limit (KHz)
11a	CH36	16.318	N/A
	CH40	16.312	N/A
	CH48	16.319	N/A
11n HT20	CH36	17.494	N/A
	CH40	17.495	N/A
	CH48	17.481	N/A
11n HT40	CH38	35.739	N/A
	CH46	35.759	N/A

Conclusion : PASS

26dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	-26dB bandwidth (MHz)	Limit (KHz)
11a	CH36	19.14	N/A
	CH40	19.16	N/A
	CH48	19.15	N/A
11n HT20	CH36	19.54	N/A
	CH40	19.58	N/A
	CH48	19.46	N/A
11n HT40	CH38	38.11	N/A
	CH46	38.15	N/A

Conclusion: PASS

5260-5320MHz Band 2:
6dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH52	15.13	≥ 500
	CH60	15.14	≥ 500
	CH64	15.11	≥ 500
11n HT20	CH52	15.14	≥ 500
	CH60	15.14	≥ 500
	CH64	15.14	≥ 500
11n HT40	CH54	35.15	≥ 500
	CH62	35.14	≥ 500

Conclusion: PASS

Test Mode	CH	99% bandwidth (MHz)	Limit (KHz)
11a	CH52	16.308	N/A
	CH60	16.310	N/A
	CH64	16.313	N/A
11n HT20	CH52	17.486	N/A
	CH60	17.480	N/A
	CH64	17.476	N/A
11n HT40	CH54	35.738	N/A
	CH62	35.711	N/A

Conclusion : PASS

26dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	-26dB bandwidth (MHz)	Limit (KHz)
11a	CH52	19.17	N/A
	CH60	19.27	N/A
	CH64	18.95	N/A
11n HT20	CH52	19.54	N/A
	CH60	19.55	N/A
	CH64	19.46	N/A
11n HT40	CH54	38.01	N/A
	CH62	37.85	N/A
Conclusion: PASS			

5500-5720MHz Band:
6dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH100	15.13	≥ 500
	CH120	15.13	≥ 500
	CH140	13.02	≥ 500
	CH144	15.14	≥ 500
11n HT20	CH100	15.14	≥ 500
	CH120	15.14	≥ 500
	CH140	15.12	≥ 500
	CH144	15.14	≥ 500
11n HT40	CH102	35.13	≥ 500
	CH118	35.14	≥ 500
	CH134	35.13	≥ 500
	CH142	35.04	≥ 500
Conclusion: PASS			

Test Mode	CH	99% bandwidth (MHz)	Limit (KHz)
11a	CH100	16.320	N/A
	CH120	16.319	N/A
	CH140	16.314	N/A
	CH144	16.332	N/A
11n HT20	CH100	17.493	N/A
	CH120	17.488	N/A
	CH140	17.490	N/A
	CH144	17.496	N/A
11n HT40	CH102	35.771	N/A
	CH118	35.747	N/A
	CH134	35.728	N/A
	CH142	35.741	N/A
Conclusion : PASS			

26dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	-26dB bandwidth (MHz)	Limit (KHz)
11a	CH100	19.19	N/A
	CH120	19.14	N/A
	CH140	19.11	N/A
	CH144	19.15	N/A
11n HT20	CH100	19.59	N/A
	CH120	19.50	N/A
	CH140	19.44	N/A
	CH144	19.53	N/A
11n HT40	CH102	38.01	N/A
	CH118	38.29	N/A
	CH134	37.98	N/A
	CH142	38.00	N/A
Conclusion: PASS			

5745-5825MHz Band 4:
6dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH149	15.12	≥ 500
	CH157	15.14	≥ 500
	CH165	15.14	≥ 500
11n HT20	CH149	15.13	≥ 500
	CH157	15.14	≥ 500
	CH165	15.14	≥ 500
11n HT40	CH151	35.14	≥ 500
	CH159	35.14	≥ 500

Conclusion: PASS

Test Mode	CH	99% bandwidth (MHz)	Limit (KHz)
11a	CH149	16.304	N/A
	CH157	16.310	N/A
	CH165	16.318	N/A
11n HT20	CH149	17.480	N/A
	CH157	17.488	N/A
	CH165	17.477	N/A
11n HT40	CH151	35.719	N/A
	CH159	35.732	N/A

Conclusion : PASS

26dB bandwidth

EUT: Wireless Speaker		
M/N: LF-S50G		
Test date: 2017-06-21	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Alice-Yang	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	-26dB bandwidth (MHz)	Limit (KHz)
11a	CH149	18.84	N/A
	CH157	19.14	N/A
	CH165	19.13	N/A
11n HT20	CH149	19.43	N/A
	CH157	19.54	N/A
	CH165	19.40	N/A
11n HT40	CH151	37.94	N/A
	CH159	37.88	N/A
Conclusion: PASS			