

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Voxx Accessories Corp.

Wireless Speaker

Model Number: SP251

FCC ID: VIXSP251

Prepared for : Voxx Accessories Corp.
3502 Woodview Trace, Suite 220, Indianapolis,
IN 46268

Prepared By : EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City,
GuangDong, China.

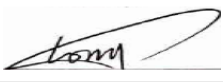
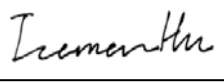
Tel: 86-769-83081888-808

Report Number: ESTE-R1603025
Date of Test : Feb 29, 2016~ Mar 09, 2016
Date of Report : Mar 10, 2016

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Test Report Verification

Applicant:	Voxx Accessories Corp.		
Address:	3502 Woodview Trace, Suite 220, Indianapolis, IN 46268		
Manufacturer Address:	Guangzhou Changjia Electronic Co., Ltd. Bo-ying Industrial Garden, Taishi Industrial Zone, Yuwotou, Dongchong Town, Nansha district, Guangzhou, China		
E.U.T:	Wireless Speaker		
Model Number:	SP251 (comes in color variations, but are electrically and mechanically the same the only difference is the color)		
Power Supply:	DC 3.7V From Internal Battery DC 5V From USB for Charging		
Test Voltage:	DC 3.7V		
Trade Name:	808	Serial No.:	-----
Date of Receipt:	Feb 29, 2016	Date of Test:	Feb 29, 2016~ Mar 09, 2016
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2015 ANSI C63.10:2013		
Test Result:	The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: Mar 10, 2016		
Prepared by:	Tested by:	Approved by:	
			
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu / Manager	
Other Aspects:	None.		
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.			

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	: Wireless Speaker
Model Number	: SP251
FCC ID	: VIXSP251
Operation frequency	: 2402MHz~2480MHz
Number of channel	: 79
Antenna	: Internal antenna, 0 dBi gain
Modulation	: FHSS (GFSK, $\pi/4$ -DQPSK, 8-DPSK)
Sample Type	: Prototype production

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) DA 00-705	N/A
20dB Bandwidth	FCC Part 15: 15.215 DA 00-705	N/A
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) DA 00-705	N/A
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	N/A
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	N/A
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4: 2003 DA 00-705	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) DA 00-705	N/A
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4: 2009 DA 00-705	N/A
Antenna requirement	FCC Part 15: 15.203	N/A
Note: Because the transmitter module it self has not changed. So relevant test needn't re-tested, Test data refer to test report "ESTE-R1411001".		

2.2. Test Facilities

EMC Lab	:	Certificated by CNAL, CHINA Registration No.: L5288 Date of registration: December 07, 2015 Certificated by FCC, USA Registration No.: 989591 Date of registration: November 20, 2013 Certificated by Industry Canada Registration No.: 9405A-1 Date of registration: December 30, 2015 Certificated by VCCI, Japan Registration No.: R-3663 & C-4103 Date of registration: July 25, 2011 Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: January 07, 2011 Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011 Certificated by Intertek ETL SEMKO Registration No.: 2011-RTL-L1-18 Date of registration: April 28, 2011 Certificated by Siemic, Inc. Registration No.: SLCN021 Date of registration: November 8, 2011 Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	San Tun Management Zone, Houjie Town, Dongguan, Guangdong, China

2.3. Assistant equipment used for test

2.3.1. PC

Manufacturer	:	DELL
M/N	:	Laititude E6420
Adapter	:	M/N: DA90PM111
		Input: AC 100-240V~50/60Hz 1.5A
		Output: DC 19.5V/4.62A

2.4. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was be set into BT test mode by software before test.



(EUT: Wireless Speaker)

2.5. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Mode	Channel	Frequency
GFSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz
8-DPSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz

2.6. Channel List for Bluetooth

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2402	2	2403	3	2404	4	2405
5	2406	6	2407	7	2408	8	2409
9	2410	10	2411	11	2412	12	2413
13	2414	14	2415	15	2416	16	2417
17	2418	18	2419	19	2420	20	2421
21	2422	22	2423	23	2424	24	2425
25	2426	26	2427	27	2428	28	2429
29	2430	30	2431	31	2432	32	2433
33	2434	34	2435	35	2436	36	2437
37	2438	38	2439	39	2440	40	2441
41	2442	42	2443	43	2444	44	2445
45	2446	46	2447	47	2448	48	2449
49	2450	50	2451	51	2452	52	2453
53	2454	54	2455	55	2456	56	2457
57	2458	58	2459	59	2460	60	2461
61	2462	62	2463	63	2464	64	2465
65	2466	66	2467	67	2468	68	2469
69	2470	70	2471	71	2472	72	2473
73	2474	74	2475	75	2476	76	2477
77	2478	78	2479	79	2480	-	-

2.7. Test Equipment

2.7.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June,28,15	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	June,28,15	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June,28,15	1 Year

2.7.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	June,28,15	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June,28,15	1 Year
Signal Amplifier	Agilent	310N	187037	June,28,15	1 Year

2.7.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	BBHA9120D1 002	June,28,15	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June,28,15	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June,28,15	1 Year

3. RADIATED EMISSIONS

3.1. Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

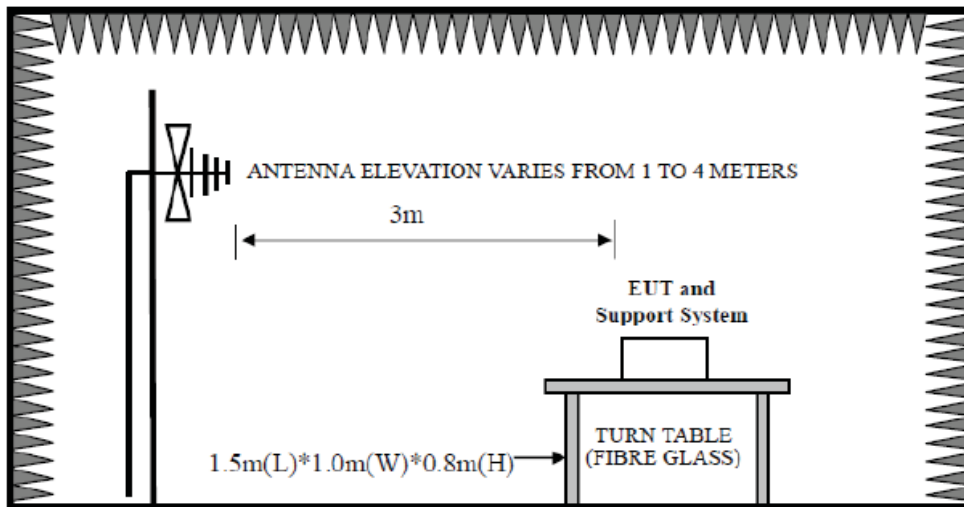
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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)

15.209 Limit

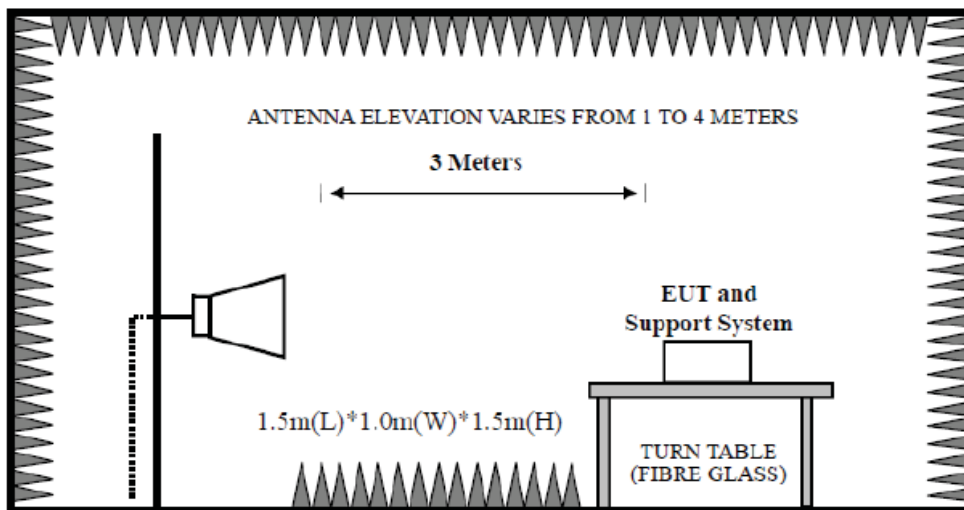
FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

3.2. Block Diagram of Test setup

30~1000MHz



Above 1GHz



3.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 30~1000MHz test, and which is 1.5 meter high above ground for above 1GHz test. 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. Both horizontal and vertical polarization of the antenna are set on test.

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

PEAK detector, 1MHz/1MHz for PAEK measurement,

PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

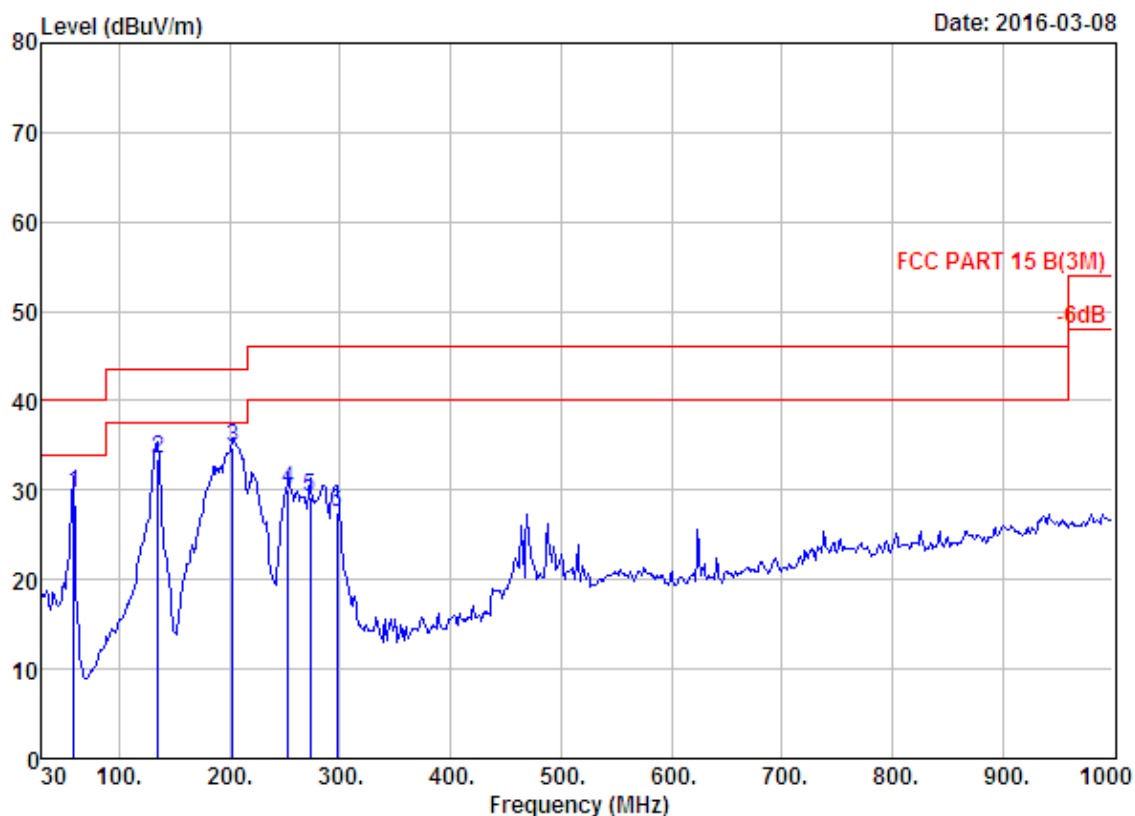
3.4. Test Result

30MHz—25GHz Radiated emissison Test result
EUT: Wireless Speaker M/N: SP251
Power: DC 3.7V
Test date: 2016-03-08 Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode
Pass

- Note: 1、 For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
- 2、 The frequency 2402MHz 、 2441MHz and 2480MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

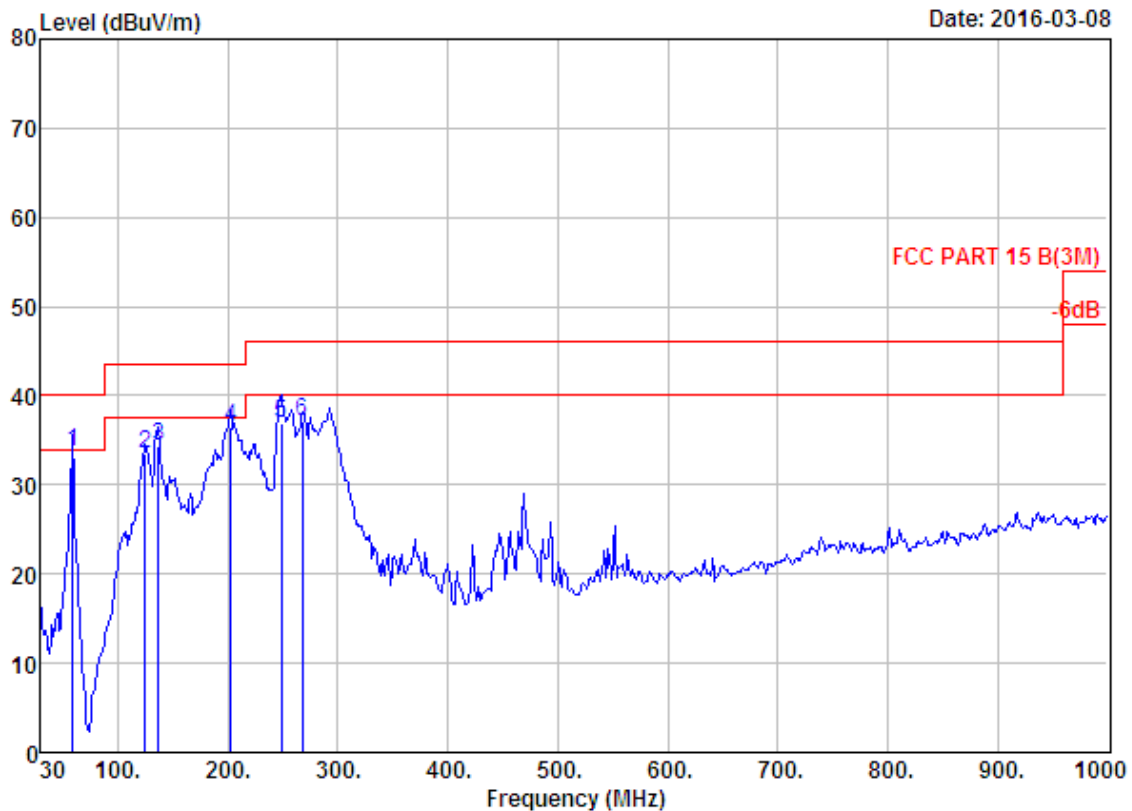
3.5. Test Data

30 MHz – 1000 MHz



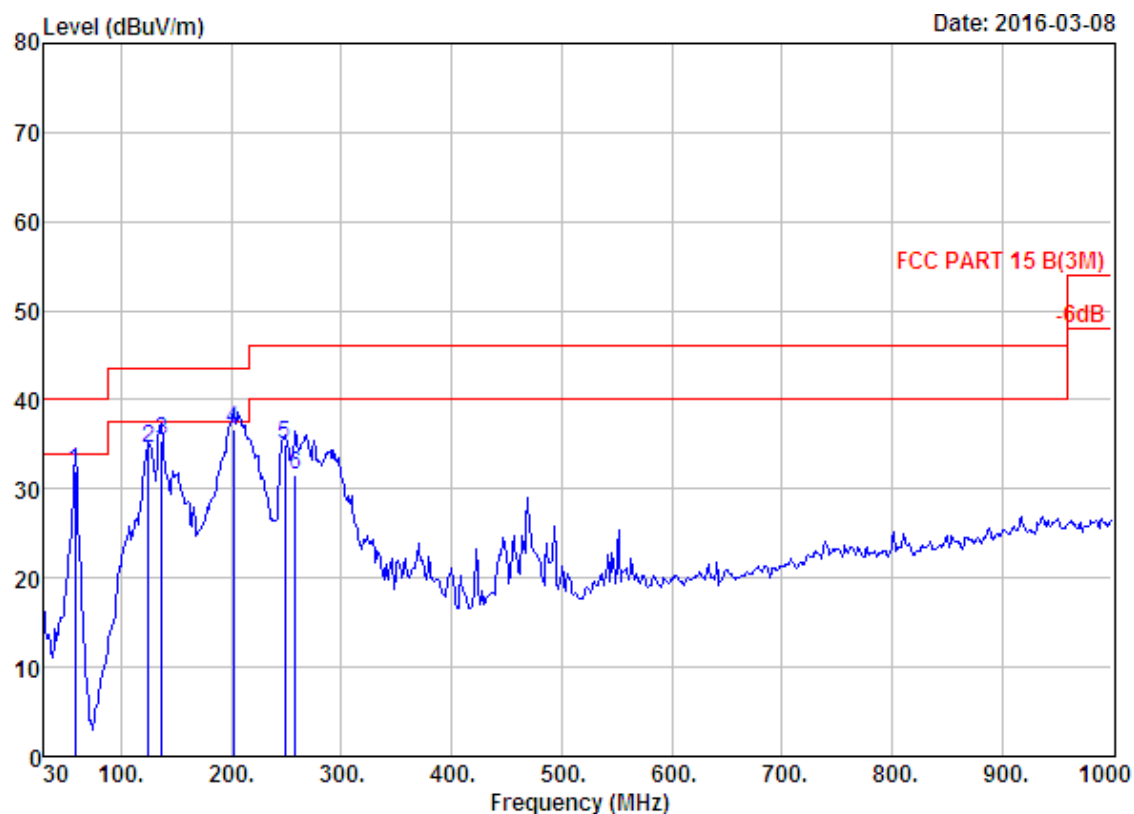
Site no.	: 966 1# chamber	Data no.	: 176
Dis. / Ant.	: 3m 27137	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Tony		
EUT	: Wireless Speaker		
Power	: DC 3.7V		
M/N	: SP251		
Test Mode	: GFSK TX 2402MHz		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	23.75	29.55	40.00	10.45	QP
2	134.76	11.37	1.57	20.46	33.40	43.50	10.10	QP
3	202.66	7.83	1.84	25.20	34.87	43.50	8.63	QP
4	253.10	12.17	2.17	15.65	29.99	46.00	16.01	QP
5	272.50	12.46	2.26	14.55	29.27	46.00	16.73	QP
6	296.75	12.99	2.32	12.18	27.49	46.00	18.51	QP



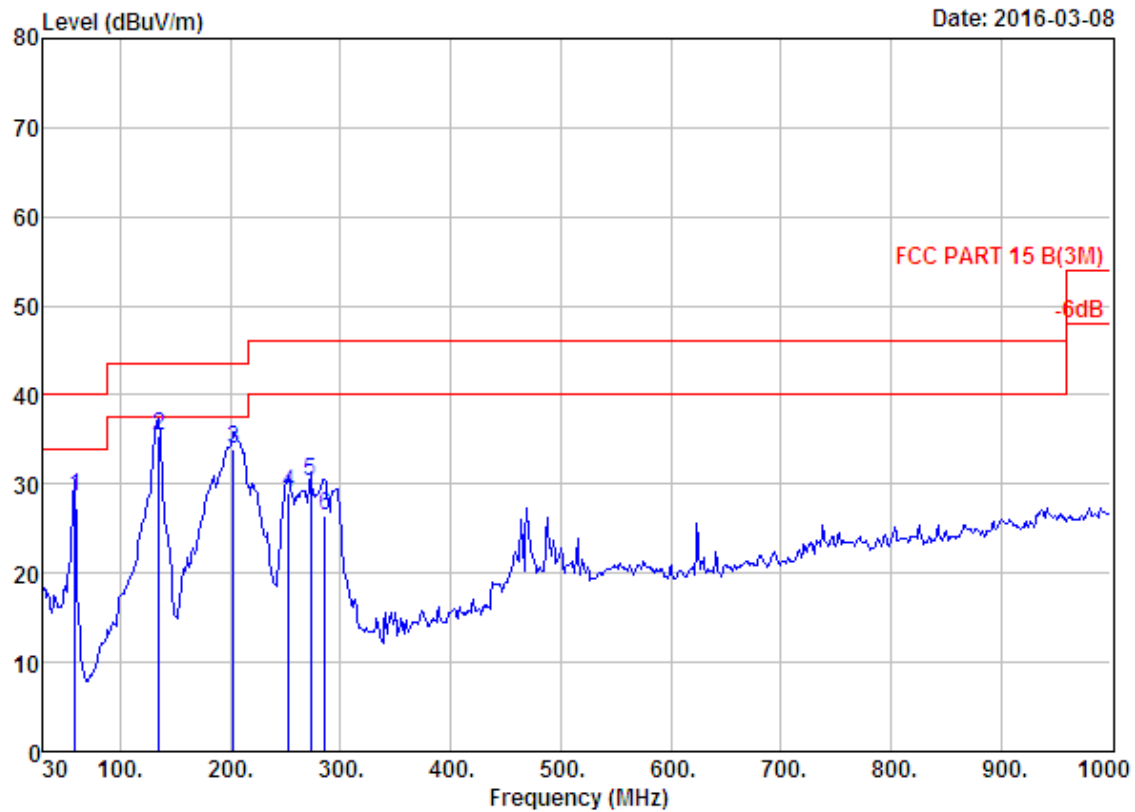
Site no. : 966 1# chamber Data no. : 177
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	27.89	33.69	40.00	6.31	QP
2	125.06	11.35	1.52	20.60	33.47	43.50	10.03	QP
3	136.70	11.39	1.57	21.46	34.42	43.50	9.08	QP
4	202.66	7.83	1.84	26.74	36.41	43.50	7.09	QP
5	248.25	11.52	2.13	23.35	37.00	46.00	9.00	QP
6	267.65	12.71	2.26	22.12	37.09	46.00	8.91	QP



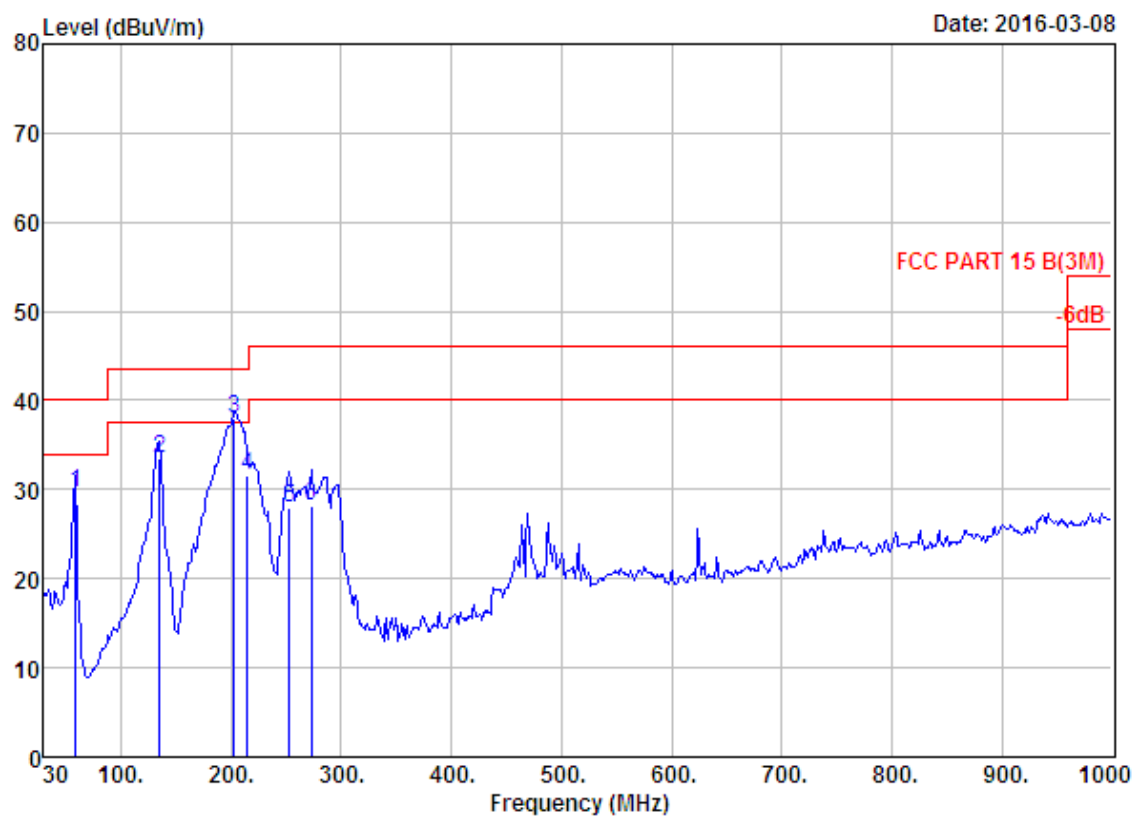
Site no. : 966 1# chamber Data no. : 178
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : GFSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	58.13	4.91	1.03	26.12	32.06	40.00	7.94	QP
2	125.06	11.35	1.52	21.60	34.47	43.50	9.03	QP
3	136.70	11.39	1.57	22.46	35.42	43.50	8.08	QP
4	201.69	7.79	1.77	27.17	36.73	43.50	6.77	QP
5	248.25	11.52	2.13	21.35	35.00	46.00	11.00	QP
6	257.95	12.75	2.19	16.56	31.50	46.00	14.50	QP



Site no. : 966 1# chamber Data no. : 179
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : GFSK TX 2441MHz

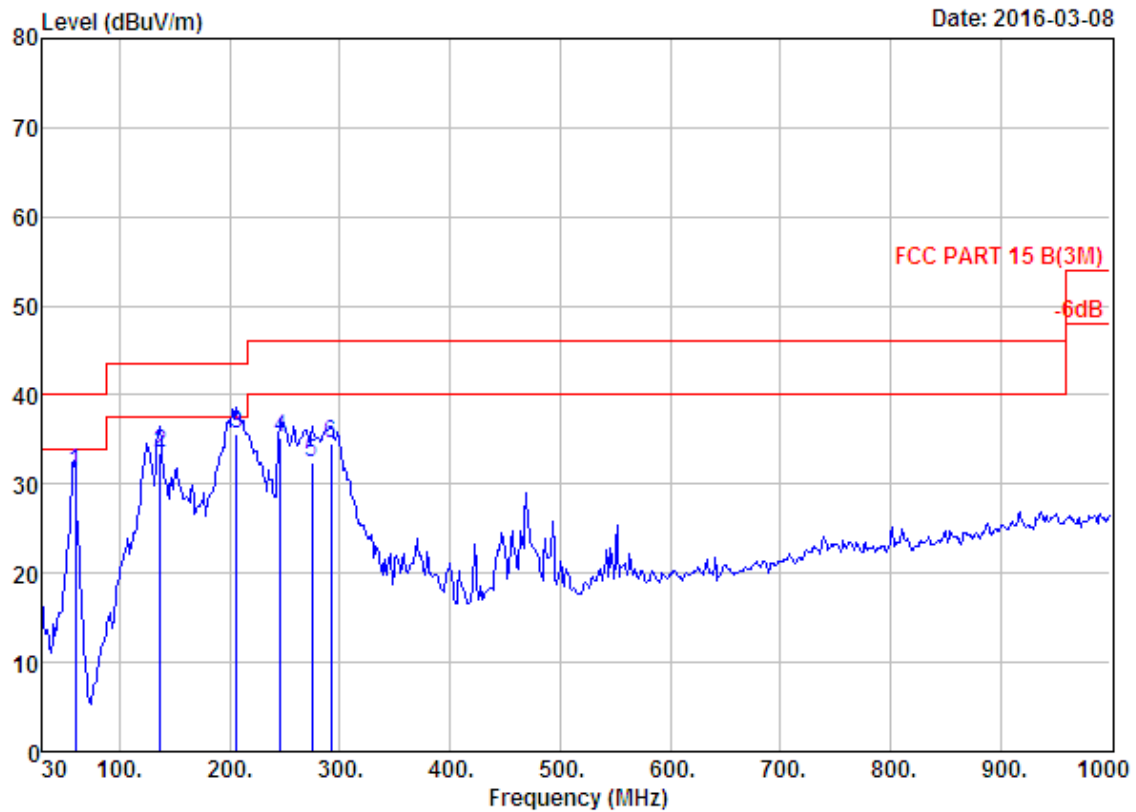
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	22.75	28.55	40.00	11.45	QP
2	134.76	11.37	1.57	22.46	35.40	43.50	8.10	QP
3	202.66	7.83	1.84	24.20	33.87	43.50	9.63	QP
4	253.10	12.17	2.17	14.65	28.99	46.00	17.01	QP
5	272.50	12.46	2.26	15.55	30.27	46.00	15.73	QP
6	286.08	12.59	2.32	11.52	26.43	46.00	19.57	QP



Site no. : 966 1# chamber
 Dis. / Ant. : 3m 27137
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : GFSK TX 2480MHz

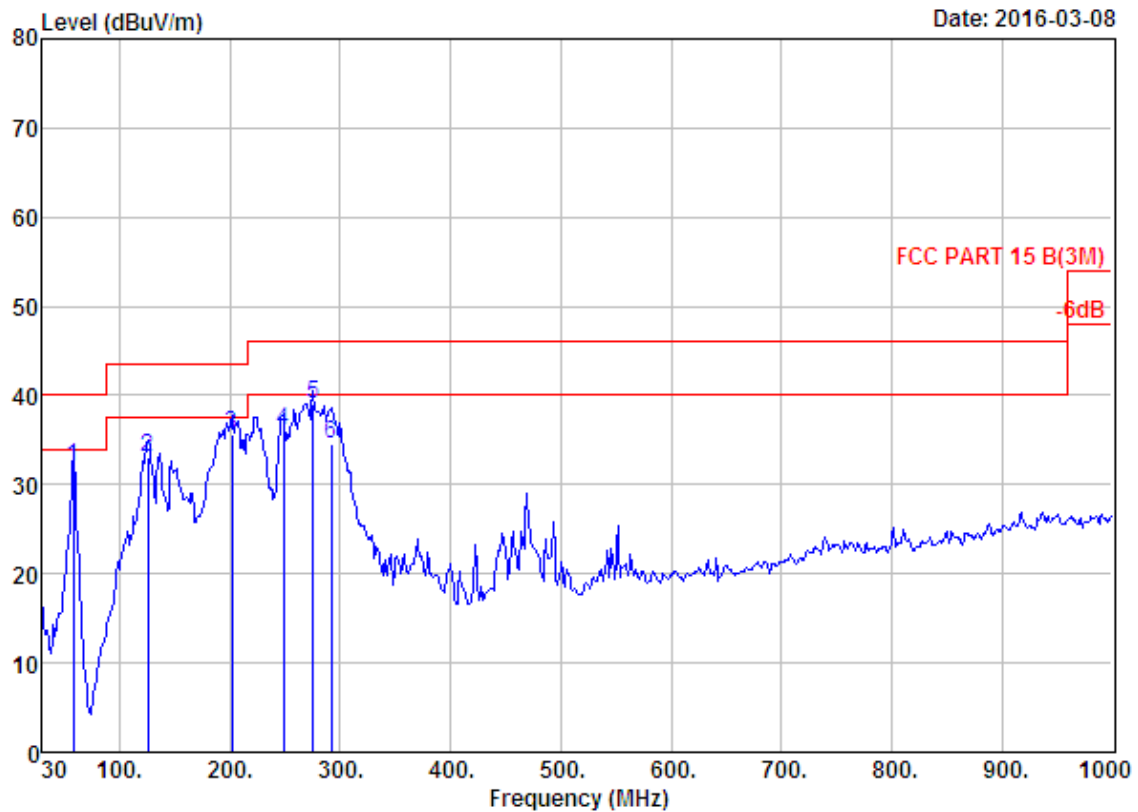
Data no. : 180
Ant. pol. : VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	23.75	29.55	40.00	10.45	QP
2	134.76	11.37	1.57	20.46	33.40	43.50	10.10	QP
3	202.66	7.83	1.84	28.20	37.87	43.50	5.63	QP
4	215.27	8.70	1.96	20.90	31.56	43.50	11.94	QP
5	253.10	12.17	2.17	13.65	27.99	46.00	18.01	QP
6	272.50	12.46	2.26	13.55	28.27	46.00	17.73	QP



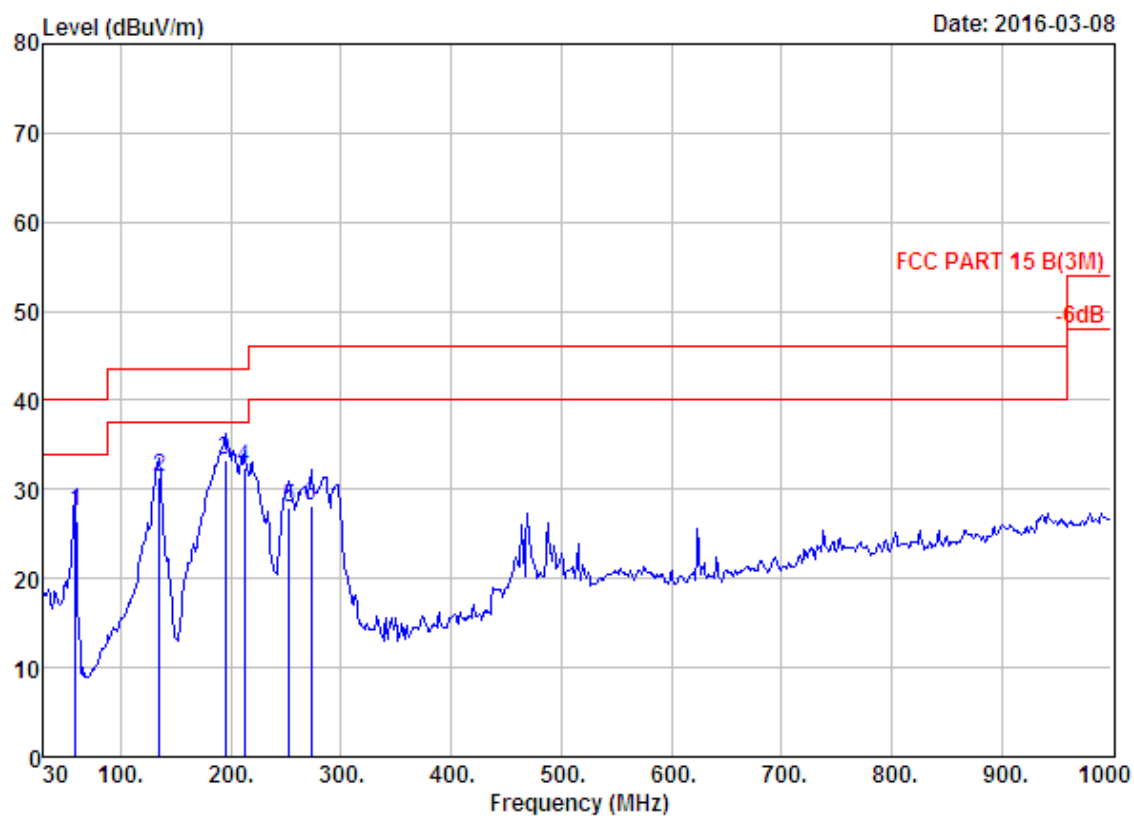
Site no. : 966 1# chamber Data no. : 181
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	60.07	4.69	0.97	25.77	31.43	40.00	8.57	QP
2	136.70	11.39	1.57	20.46	33.42	43.50	10.08	QP
3	206.54	8.09	1.81	25.72	35.62	43.50	7.88	QP
4	246.31	11.21	2.12	21.90	35.23	46.00	10.77	QP
5	274.44	12.39	2.22	17.87	32.48	46.00	13.52	QP
6	291.90	12.83	2.33	19.38	34.54	46.00	11.46	QP



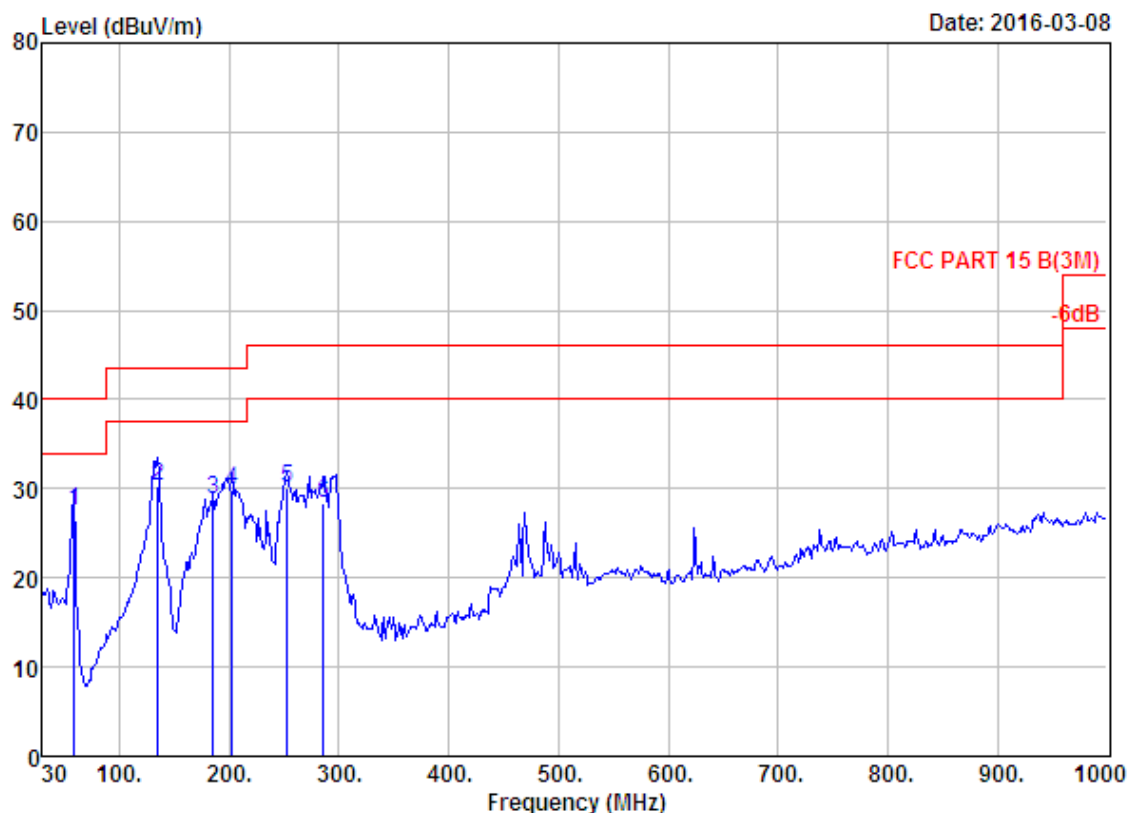
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 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	58.13	4.91	1.03	26.12	32.06	40.00	7.94	QP
2	126.03	11.34	1.52	20.11	32.97	43.50	10.53	QP
3	201.69	7.79	1.77	26.17	35.73	43.50	7.77	QP
4	248.25	11.52	2.13	22.35	36.00	46.00	10.00	QP
5	275.41	12.36	2.24	24.48	39.08	46.00	6.92	QP
6	291.90	12.83	2.33	19.38	34.54	46.00	11.46	QP



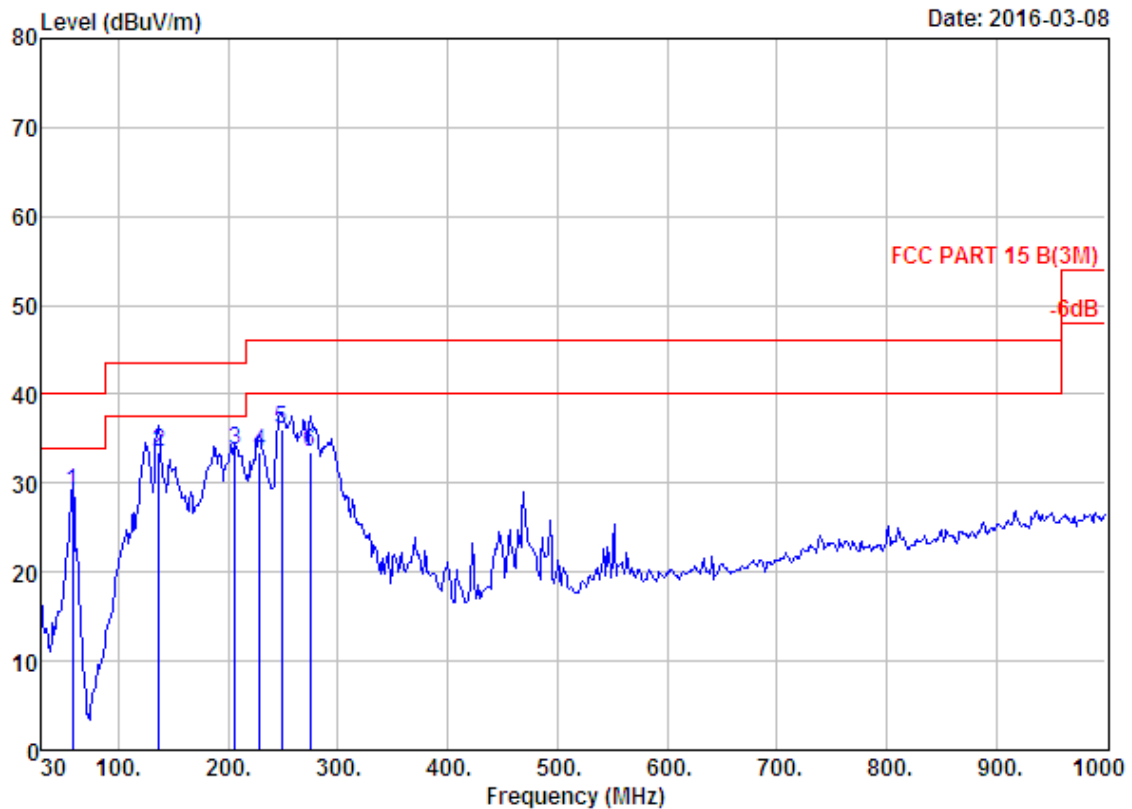
Site no. : 966 1# chamber Data no. : 183
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	21.75	27.55	40.00	12.45	QP
2	134.76	11.37	1.57	18.46	31.40	43.50	12.10	QP
3	194.90	7.72	1.78	23.68	33.18	43.50	10.32	QP
4	212.36	8.56	1.91	21.92	32.39	43.50	11.11	QP
5	253.10	12.17	2.17	13.65	27.99	46.00	18.01	QP
6	272.50	12.46	2.26	13.55	28.27	46.00	17.73	QP



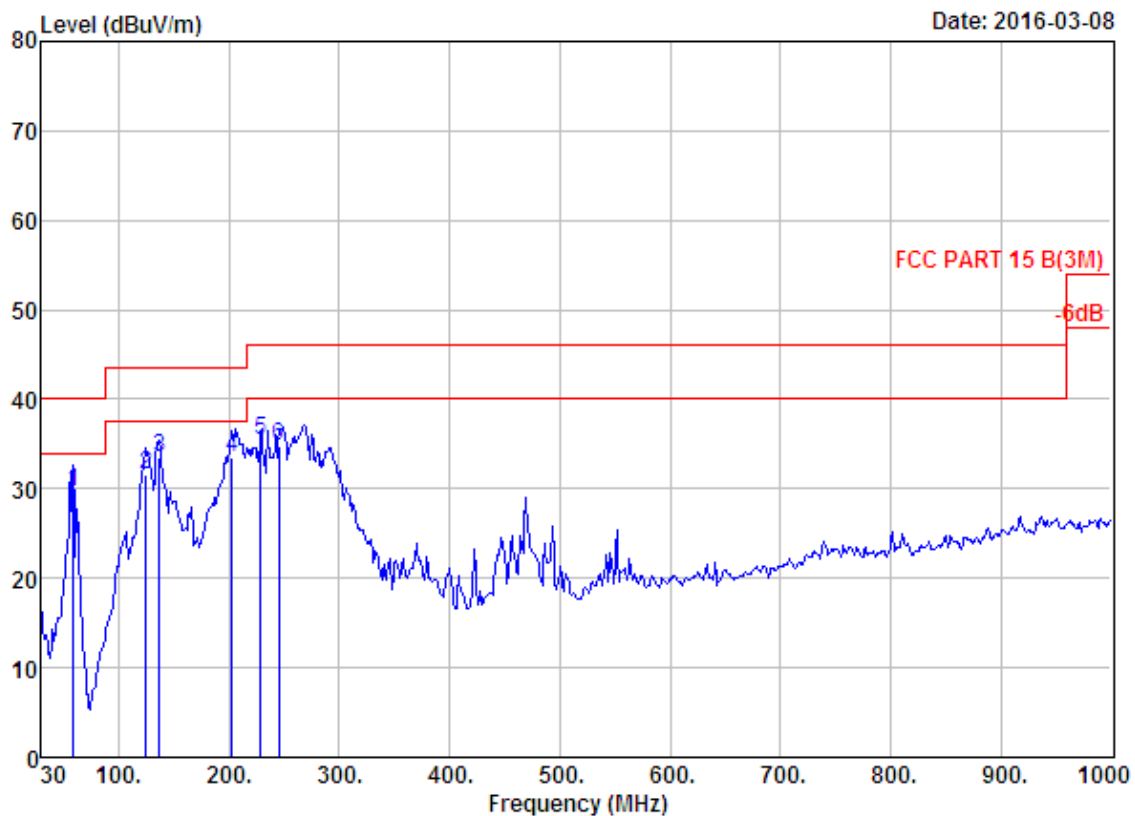
Site no. : 966 1# chamber Data no. : 184
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	21.75	27.55	40.00	12.45	QP
2	134.76	11.37	1.57	17.46	30.40	43.50	13.10	QP
3	185.20	8.48	1.75	18.48	28.71	43.50	14.79	QP
4	202.66	7.83	1.84	20.20	29.87	43.50	13.63	QP
5	253.10	12.17	2.17	15.65	29.99	46.00	16.01	QP
6	286.08	12.59	2.32	13.52	28.43	46.00	17.57	QP



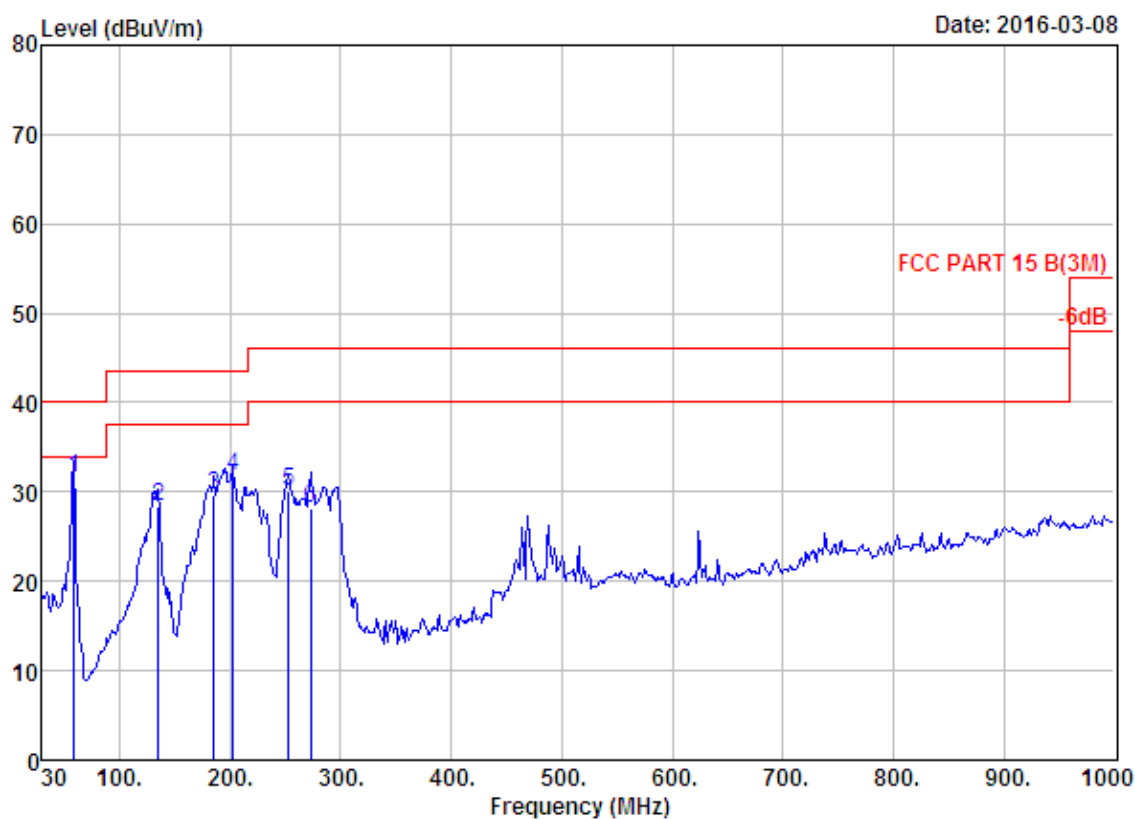
Site no. : 966 1# chamber Data no. : 185
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	58.13	4.91	1.03	23.12	29.06	40.00	10.94	QP
2	136.70	11.39	1.57	20.46	33.42	43.50	10.08	QP
3	206.54	8.09	1.81	23.72	33.62	43.50	9.88	QP
4	228.85	9.45	2.08	21.89	33.42	46.00	12.58	QP
5	248.25	11.52	2.13	22.35	36.00	46.00	10.00	QP
6	274.44	12.39	2.22	18.87	33.48	46.00	12.52	QP



Site no. : 966 1# chamber Data no. : 186
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	23.89	29.69	40.00	10.31	QP
2	125.06	11.35	1.52	18.60	31.47	43.50	12.03	QP
3	136.70	11.39	1.57	20.46	33.42	43.50	10.08	QP
4	202.66	7.83	1.84	23.74	33.41	43.50	10.09	QP
5	228.85	9.45	2.08	23.89	35.42	46.00	10.58	QP
6	245.34	11.06	2.10	21.61	34.77	46.00	11.23	QP

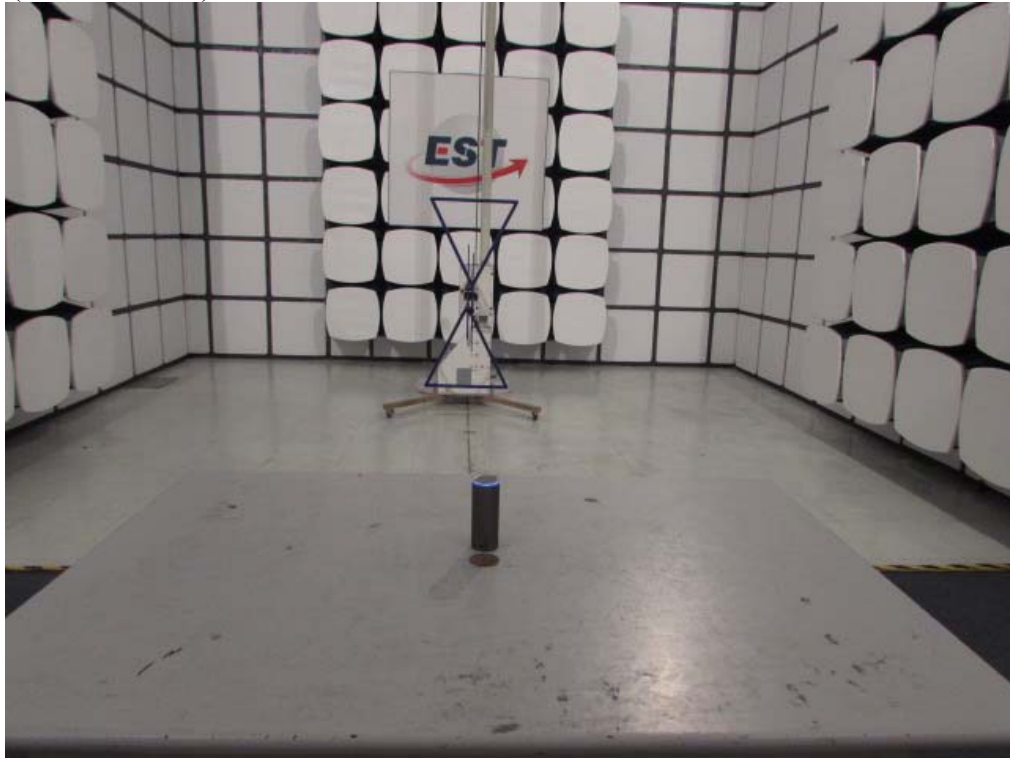


Site no. : 966 1# chamber Data no. : 187
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : DC 3.7V
 M/N : SP251
 Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	59.10	4.80	1.00	25.75	31.55	40.00	8.45	QP
2	134.76	11.37	1.57	15.46	28.40	43.50	15.10	QP
3	185.20	8.48	1.75	19.48	29.71	43.50	13.79	QP
4	202.66	7.83	1.84	22.20	31.87	43.50	11.63	QP
5	253.10	12.17	2.17	15.65	29.99	46.00	16.01	QP
6	272.50	12.46	2.26	13.55	28.27	46.00	17.73	QP

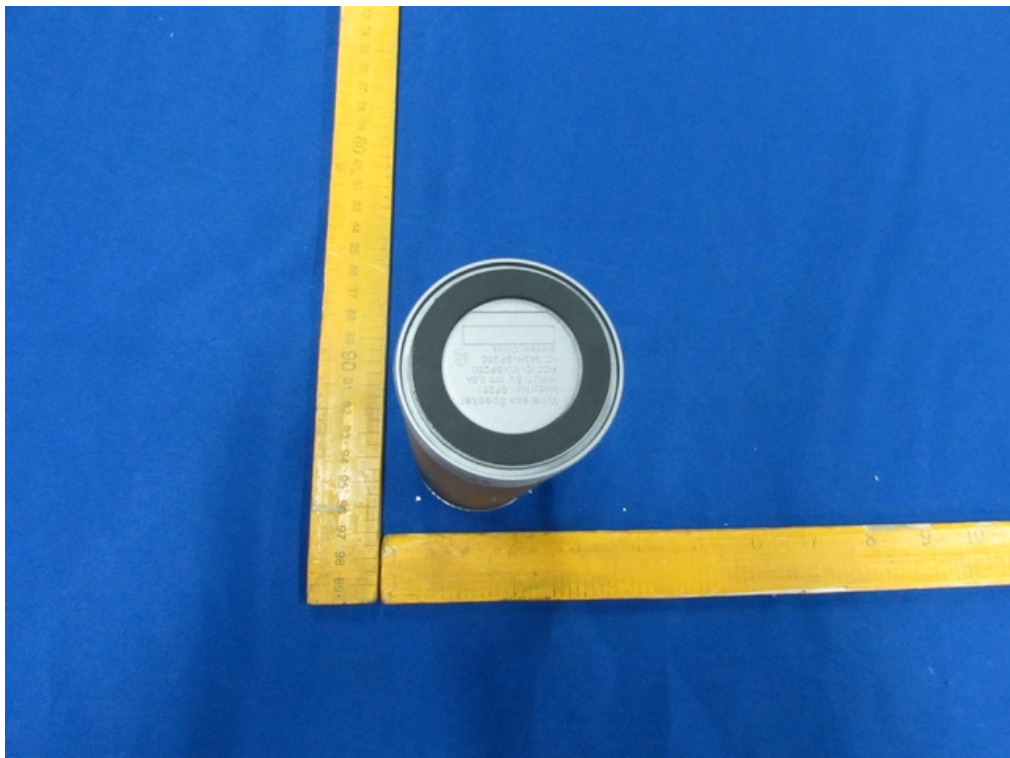
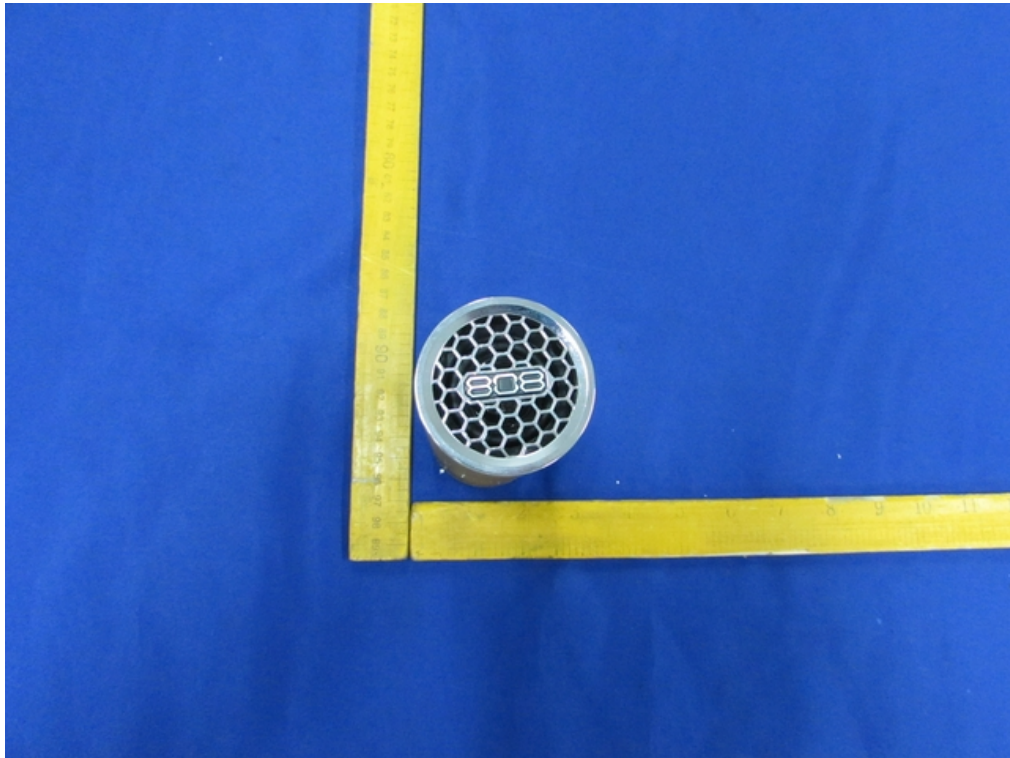
4. TEST SETUP PHOTO

Radiated Test (30-1000 MHz)

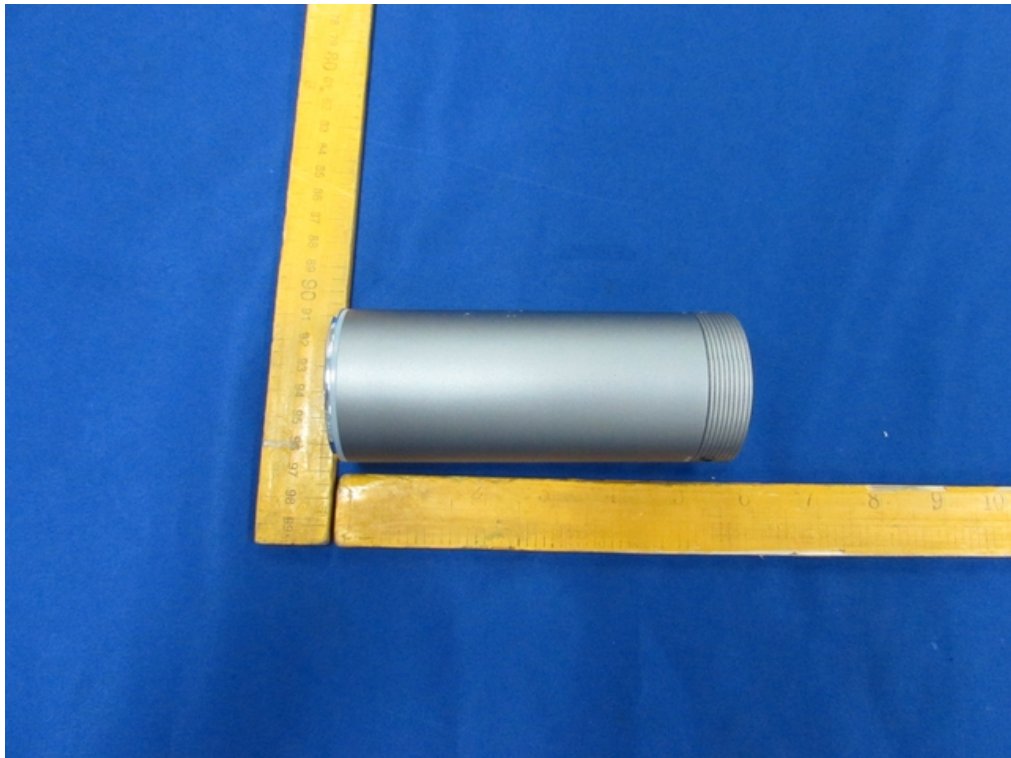


5. PHOTOS OF EUT

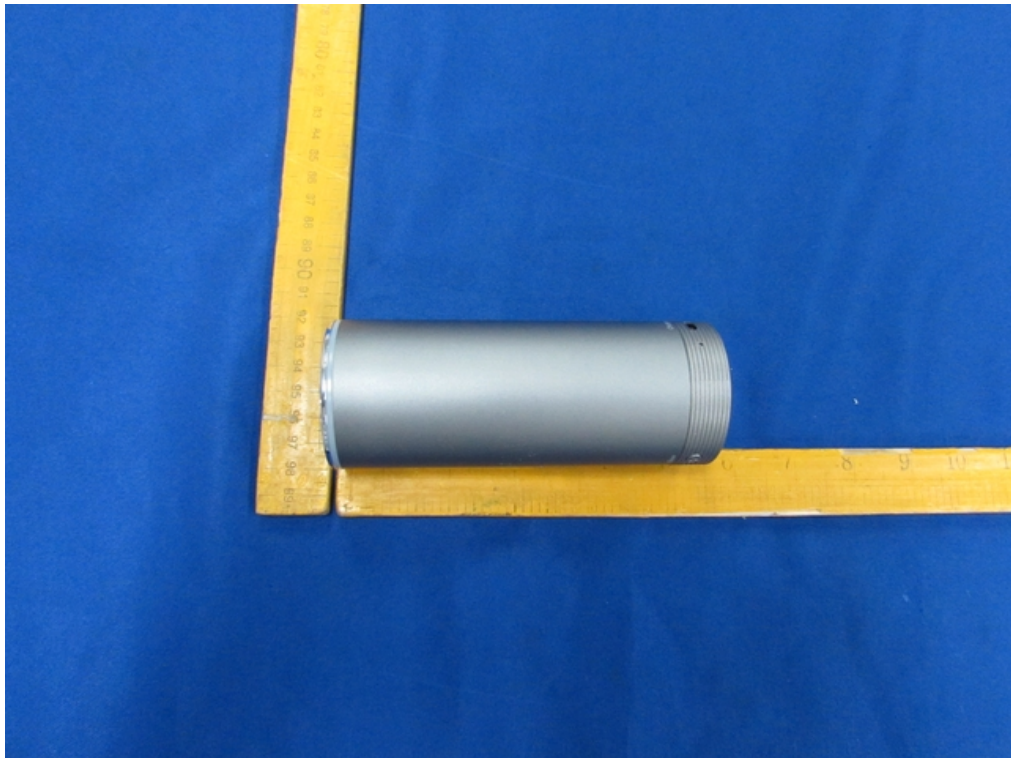
External Photos M/N: SP251



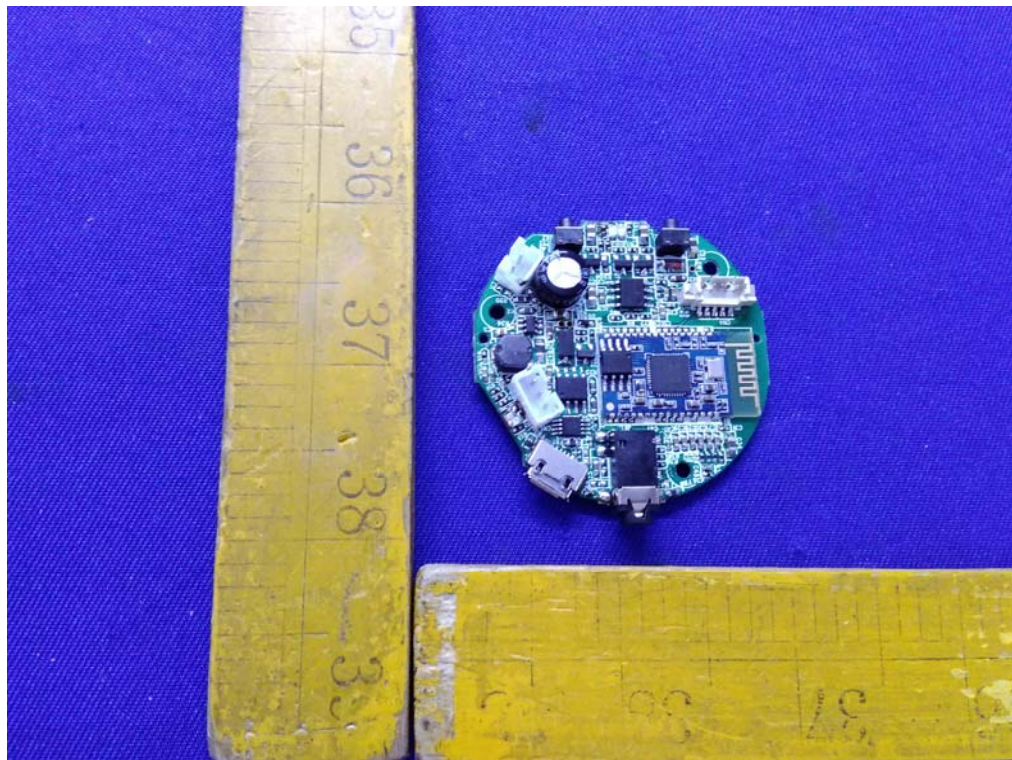
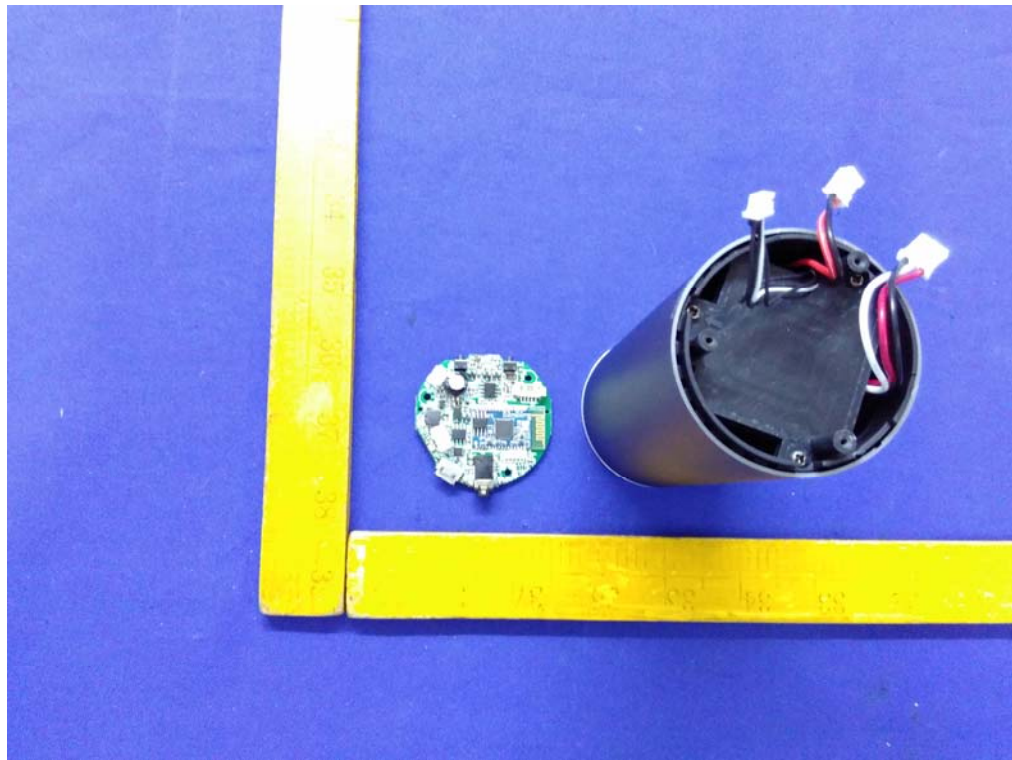
External Photos
M/N: SP251



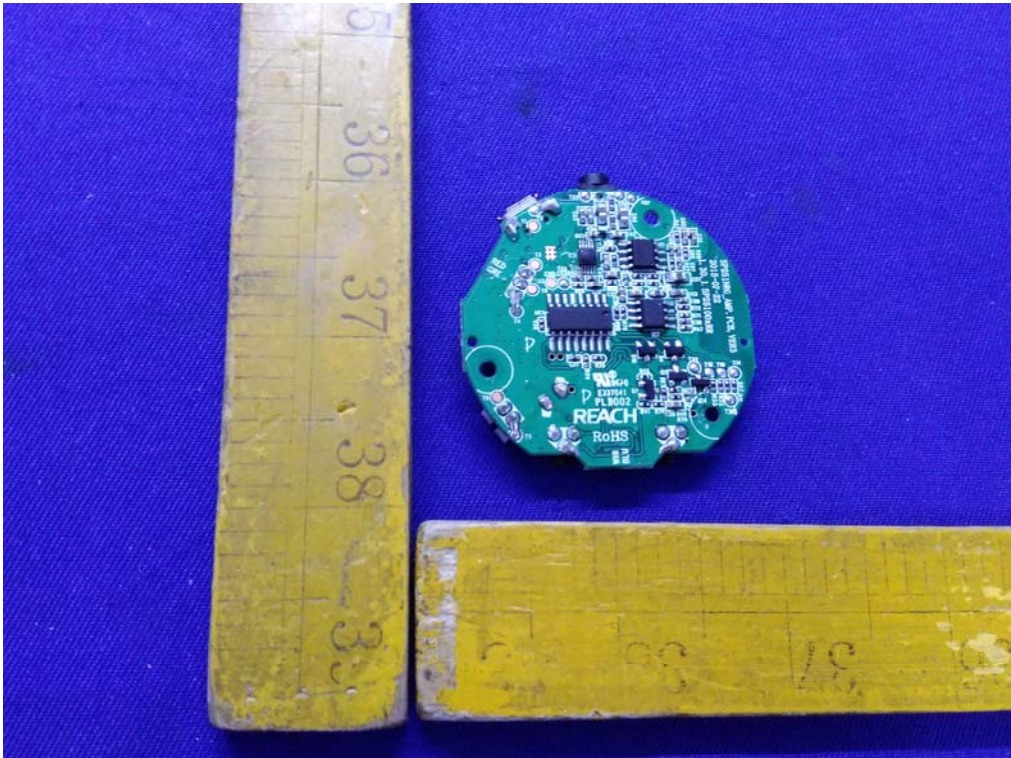
External Photos
M/N: SP251



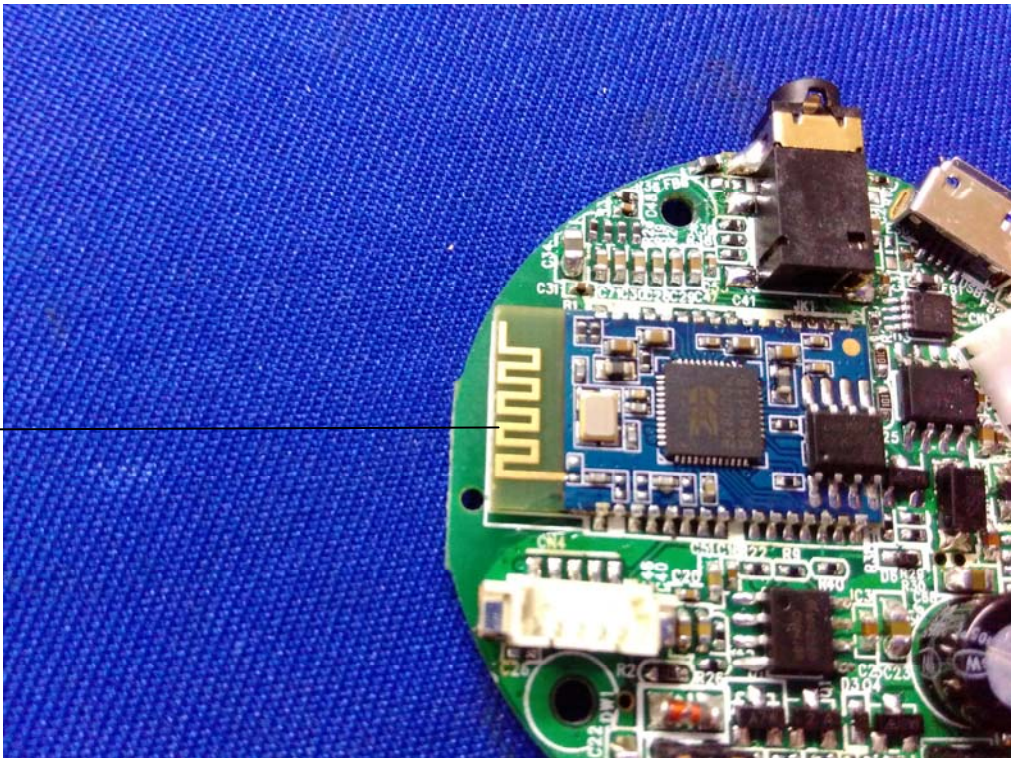
Internal Photos
M/N: SP251



Internal Photos
M/N: SP251



Bluetooth
Antenna



Internal Photos
M/N: SP251

