

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

MONITOR AUDIO LTD

Wireless Speaker

Model Number: airstream s300

FCC ID: O7VMA191819

Prepared for : MONITOR AUDIO LTD

Unit 2, 24 Brook Road, Rayleigh, Essex England SS6 7XJ
United Kingdom

Prepared By : EST Technology Co., Ltd.

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Report Number: ESTE-R1212001

Date of Test : Dec.18~24,2012

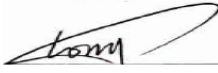
Date of Report : Dec.26,2012

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Test Report Verification

Applicant:	MONITOR AUDIO LTD		
Address:	Unit 2, 24 Brook Road, Rayleigh, Essex England SS6 7XJ United Kingdom		
Manufacturer:	MONITOR AUDIO LTD		
Address:	Unit 2, 24 Brook Road, Rayleigh, Essex England SS6 7XJ United Kingdom		
Factory:	Premium Loudspeakers (Huizhou) Co., Ltd.		
Address:	Tymphany Industrial Area, Xin Lian Village, Xin Xu Town, Hui Yang District, Hui Zhou City, GuangDong, China.		
E.U.T:	Wireless Speaker		
Model Number:	airstream s300		
Power Supply:	AC 100-240V 50/60Hz		
Test Voltage:	AC 120V/60Hz		
Trade Name:	MONITOR AUDIO	Serial No.:	-----
Date of Receipt:	Dec.1, 2012	Date of Test:	Dec.18~24,2012
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2011 ANSI C63.4:2003		
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 ETSI EN 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: Dec.26, 2012		
Prepared by:	Tested by:	Approved by:	
 	 	 	
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu / Manager	
Other Aspects:	None.		
<i>Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested</i>			
<i>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.</i>			

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	: Wireless Speaker
Model Number	: airstream s300
FCC ID	: O7VMA191819
Operation frequency	: IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz
Number of channel	: 11 Channels
Antenna 1	: Internal antenna, 2.2dBi Gain(numeric antenna gain 1.66)
Antenna 2	: Internal antenna, 2.2dBi Gain(numeric antenna gain 1.66) Note: The 2 antennas is uncorrelated, so “Directional gain = G ANT” reference KDB 662911
Modulation	: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK)
Power Supply	: AC 120V/60Hz
Applicant	: MONITOR AUDIO LTD. Unit 2, 24 Brook Road, Rayleigh, Essex England SS6 7XJ United Kingdom
Manufacturer	: MONITOR AUDIO LTD. Unit 2, 24 Brook Road, Rayleigh, Essex England SS6 7XJ United Kingdom
Sample Type	: Prototype production

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.4:2003	PASS
Radiated Emission	FCC Part 15: 15.207 ANSI C63.4:2003	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.4:2003	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.4:2003	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.4:2003	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.4:2003	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.4:2003	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2.2. Test Facilities

EMC Lab	:	Certificated by CNAL, CHINA Registration No.: L5288 Date of registration: October 28, 2011 Certificated by FCC, USA Registration No.: 989591 Date of registration: December 07, 2010 Certificated by Industry Canada Registration No.: 46405-9405 Date of registration: December 16, 2010 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

N/A

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 set into BT test mode by Bluesuite software before test.



(EUT: Wireless Speaker)

2.5. Test mode

A special test software was used to control EUT work in Continuous TX mode(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 802.11b	11	Low :CH1	2412
	11	Middle: CH6	2437
	11	High: CH11	2462
IEEE 802.11g	54	Low :CH1	2412
	54	Middle: CH6	2437
	54	High: CH11	2462
Note1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.6. Test Equipment

2.6.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	Mar,13,12	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	Mar,13,12	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	Aug,24,12	1 Year

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

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	Mar,19,12	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	Mar,19,12	1 Year
Bilog Antenna	Teseq	CBL 6111D	25872	Nov.01,12	1 .5Year
Signal Amplifier	Agilent	310N	187037	Aug,24,12	1 Year

2.6.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Temperature controller	Terchy	MHQ	120	May.08,12	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	May.08,12	1 Year
Vector Signal Generator	R&S	SMBV100A	1407.6004K02	May.08,12	1 Year
Double Ridged Horn Antenna	R&S	HF907	100276	Jan.16.11	2 Year
Double Ridged Horn Antenna	R&S	HF907	100268	Jan.16.11	2 Year
Log-periodic Dipole Antenna	R&S	HL223	100435	Jan.16.11	2 Year
Biconical Antenna	R&S	HK116	100431	Jan.16.11	2 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	9163-462	Jan.16.11	2 Year
Pre-amplifer	AH	PAM-0118	10008	May.08,12	1 Year
Pre-amplifer	R&S	SCU-01	10049	May.08,12	1 Year
High Pass filter	Micro	HPM50111	324455	May.08,12	1 Year
RF Cable	Hubersuhner	W10.02	534096	May.08,12	1 Year
RF Cable	Hubersuhner	W10.02	534123	May.08,12	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	May.08,12	1 Year
RF Cable	Hubersuhner	RG 214/U	523455	May.08,12	1 Year

3. POWER LINE CONDUCTED EMISSION TEST

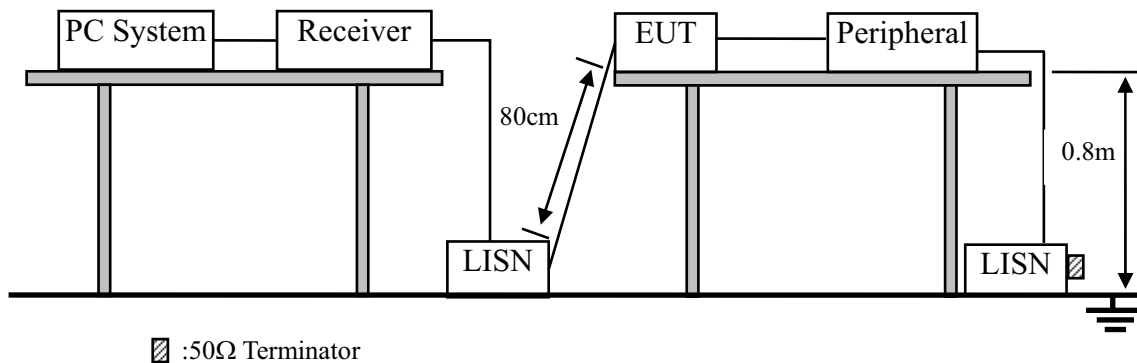
3.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
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.

3.2. Block Diagram of Test Setup



3.3. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power 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: 2009 on Conducted Emission Test.

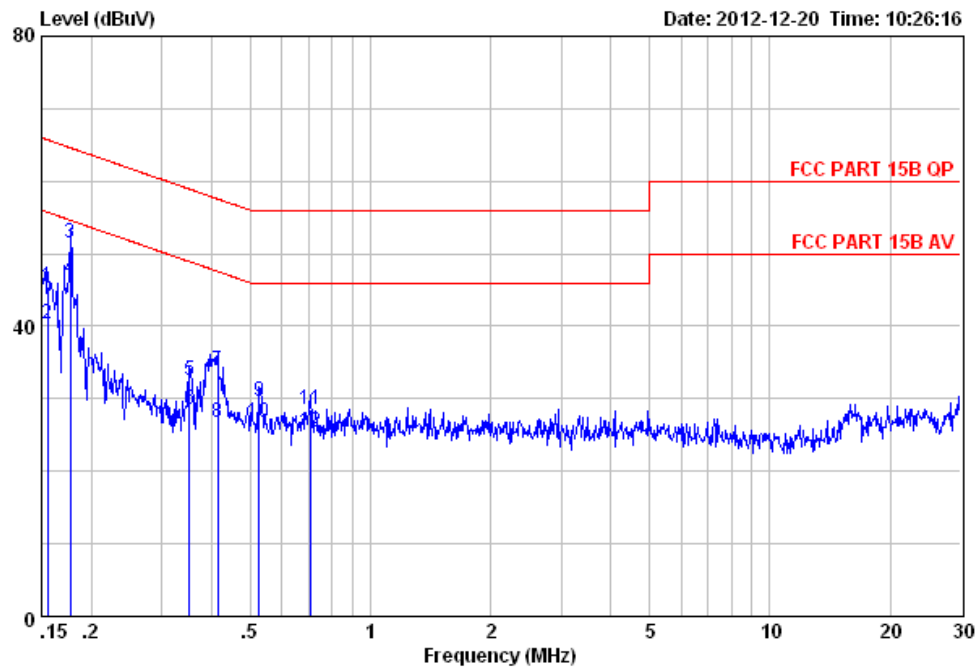
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

3.4. Test Result

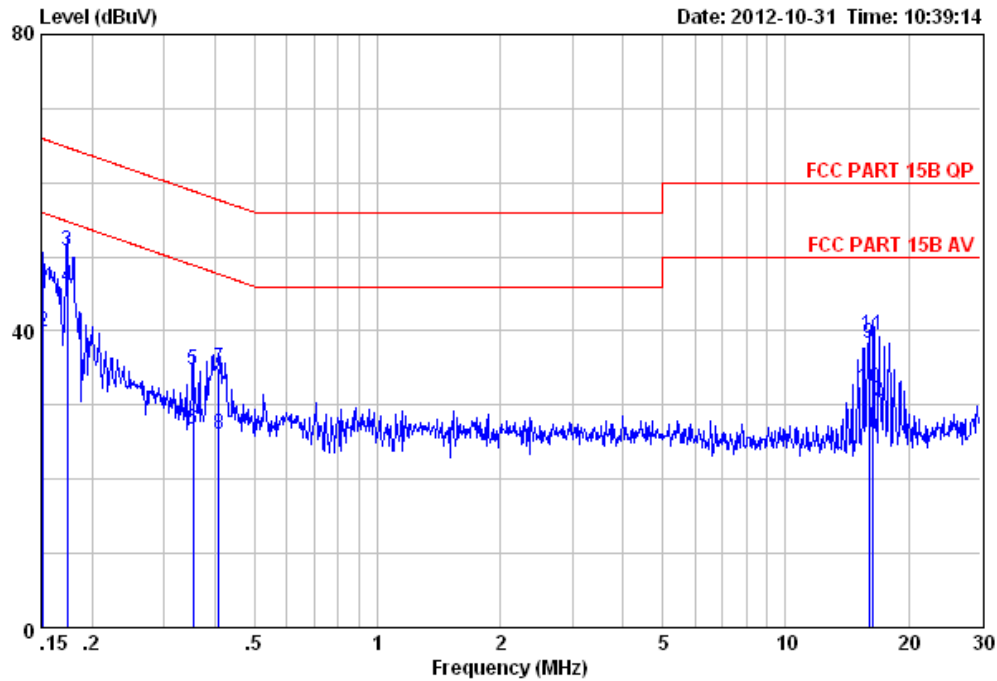
PASS. (All emissions not reported below are too low against the prescribed limits.)

3.5. Test data



Site no. : EST 844 Shielded Room Data no. : 203
 Limit : FCC PART 15B QP LINE Phase : NEUTRAL
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : TX MODE

		LISN	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	0.16	9.48	9.81	26.13	45.42	65.69	20.27	QP
2	0.16	9.48	9.81	21.13	40.42	55.69	15.27	Average
3	0.18	9.54	9.80	32.16	51.50	64.64	13.14	QP
4	0.18	9.54	9.80	27.16	46.50	54.64	8.14	Average
5	0.35	9.59	9.83	13.17	32.59	58.91	26.32	QP
6	0.35	9.59	9.83	9.17	28.59	48.91	20.32	Average
7	0.41	9.59	9.81	14.37	33.77	57.55	23.78	QP
8	0.41	9.59	9.81	7.37	26.77	47.55	20.78	Average
9	0.53	9.60	9.81	10.23	29.64	56.00	26.36	QP
10	0.53	9.60	9.81	7.23	26.64	46.00	19.36	Average
11	0.70	9.63	9.81	9.06	28.50	56.00	27.50	QP
12	0.70	9.63	9.81	6.06	25.50	46.00	20.50	Average



Site no. : EST 844 Shielded Room Data no. : 205
 Limit : FCC PART 15B QP LINE Phase : LINE
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : TX MODE

		LISN	Cable	Emission				
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.15	9.61	9.81	28.38	47.80	65.91	18.11	QP
2	0.15	9.61	9.81	20.38	39.80	55.91	16.11	Average
3	0.17	9.61	9.80	31.41	50.82	64.77	13.95	QP
4	0.17	9.61	9.80	26.41	45.82	54.77	8.95	Average
5	0.35	9.61	9.83	15.27	34.71	58.87	24.16	QP
6	0.35	9.61	9.83	7.27	26.71	48.87	22.16	Average
7	0.41	9.61	9.82	15.62	35.05	57.68	22.63	QP
8	0.41	9.61	9.82	6.62	26.05	47.68	21.63	Average
9	15.97	9.68	9.93	18.61	38.22	60.00	21.78	QP
10	15.97	9.68	9.93	12.61	32.22	50.00	17.78	Average
11	16.40	9.69	9.94	19.85	39.48	60.00	20.52	QP
12	16.40	9.69	9.94	10.85	30.48	50.00	19.52	Average

4. RADIATED EMISSION TEST

4.1. Limit

4.1.1. 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
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 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

Remark : (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V/m}$

(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.

4.1.2. 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)

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.

4.2. Test Procedure

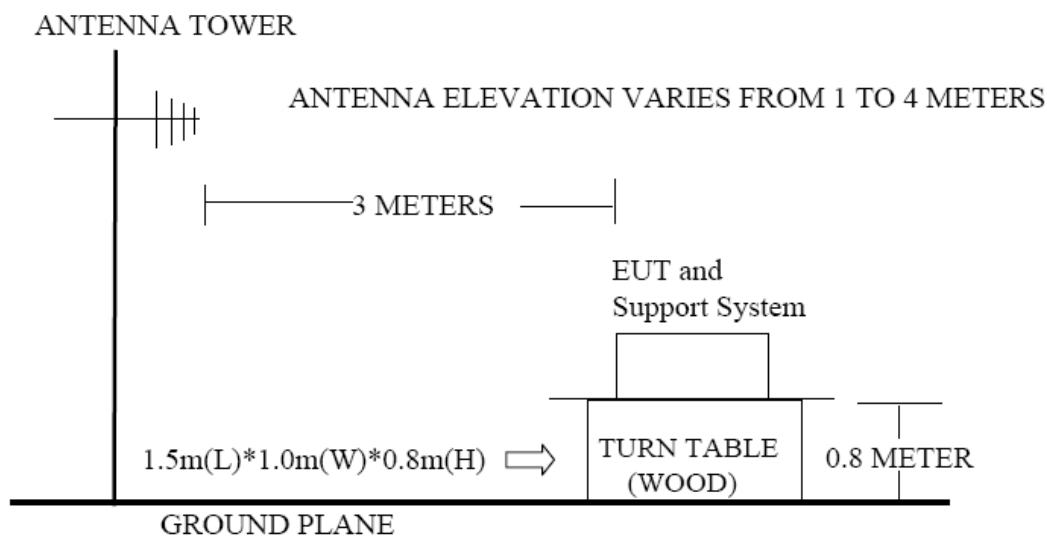
EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a 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. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

4.3. Block Diagram of Test setup



4.4. Test Result

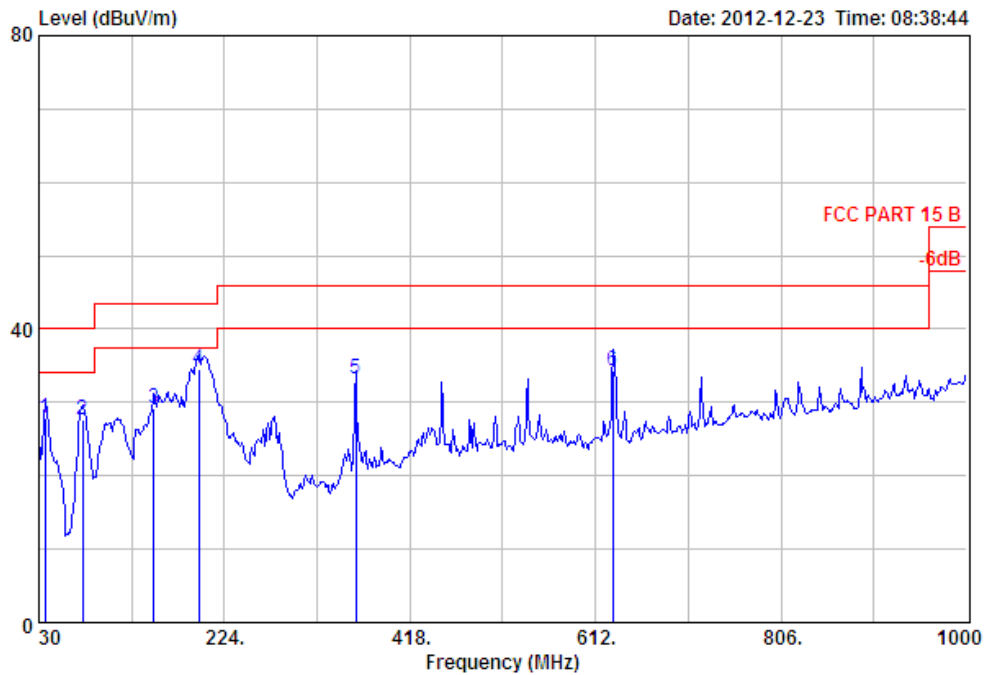
PASS.

All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

Note: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

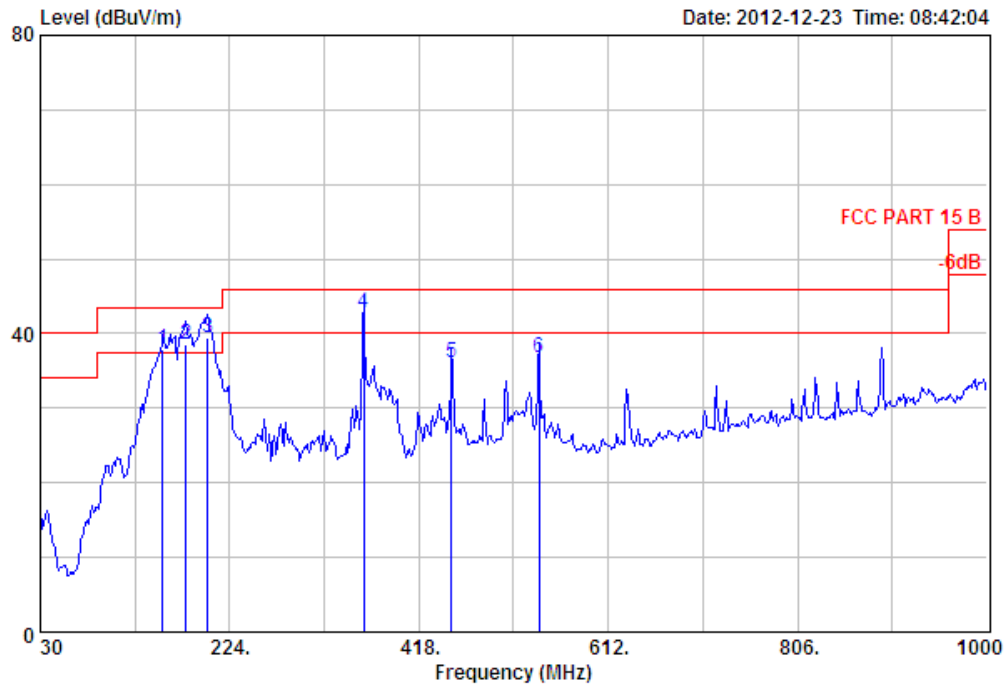
4.5. Test Data

30-1000 MHz



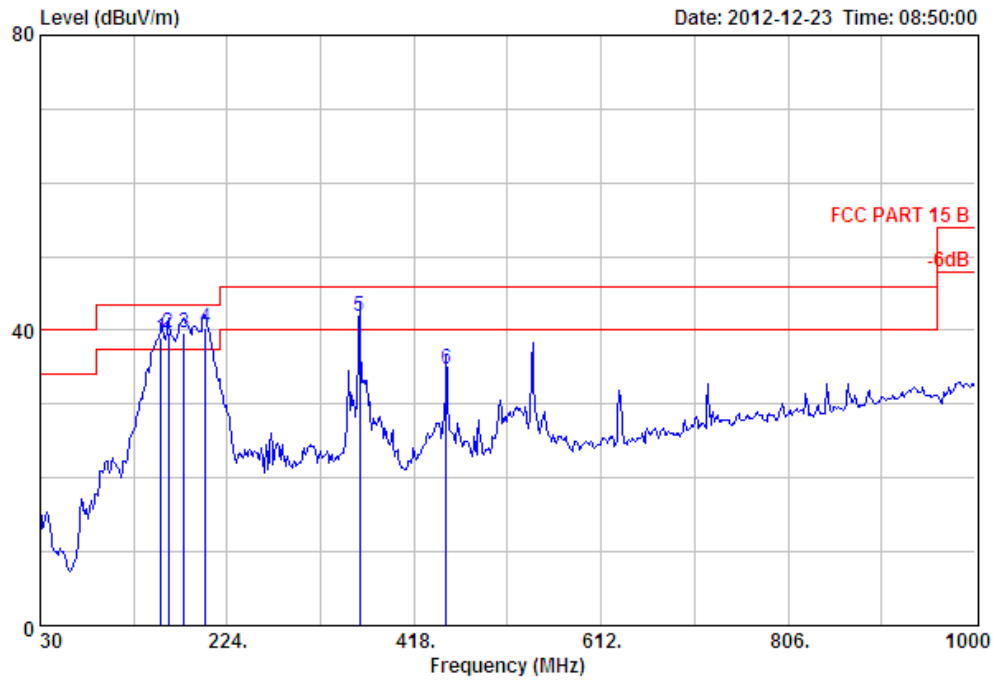
Site no. : 3m Chamber Data no. : 103
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	36.79	14.52	2.06	11.37	27.95	40.00	12.05	QP
2	75.59	6.51	2.80	18.42	27.73	40.00	12.27	QP
3	150.28	10.86	3.78	14.63	29.27	43.50	14.23	QP
4	196.84	7.72	4.26	22.48	34.46	43.50	9.04	QP
5	361.74	14.53	5.75	12.97	33.25	46.00	12.75	QP
6	630.43	20.17	7.57	6.54	34.28	46.00	11.72	QP



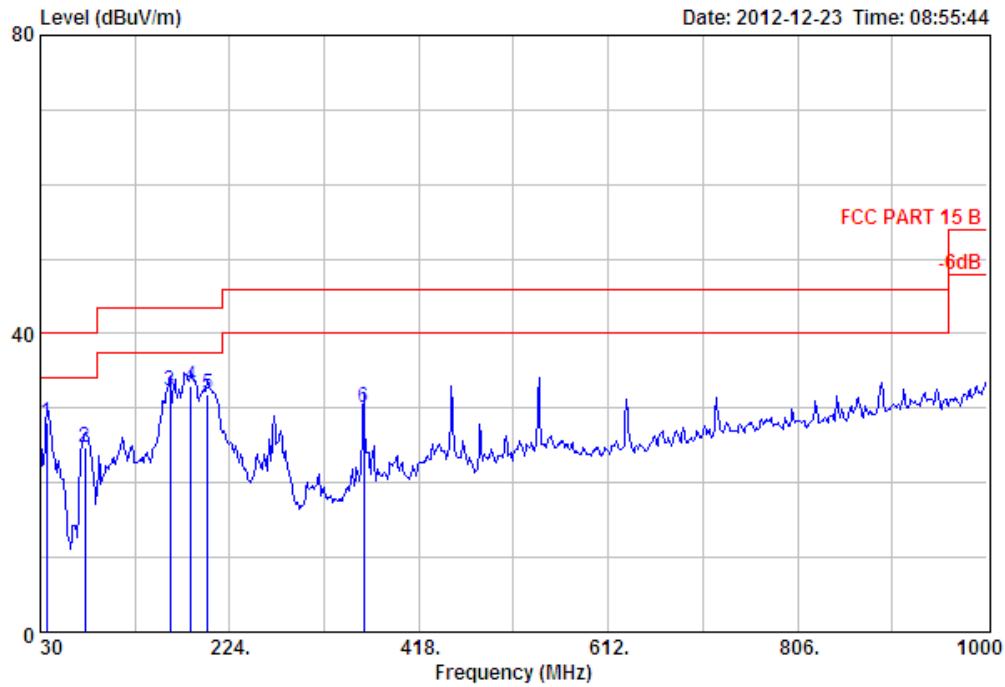
Site no. : 3m Chamber Data no. : 104
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)
1	155.13	10.67	3.82	23.49	37.98	43.50	5.52	QP
2	179.38	8.96	4.11	25.58	38.65	43.50	4.85	QP
3	201.69	7.79	4.30	27.42	39.51	43.50	3.99	QP
4	361.74	14.53	5.75	22.50	42.78	46.00	3.22	QP
5	450.98	16.51	6.38	13.26	36.15	46.00	9.85	QP
6	541.19	19.46	7.00	10.23	36.69	46.00	9.31	QP



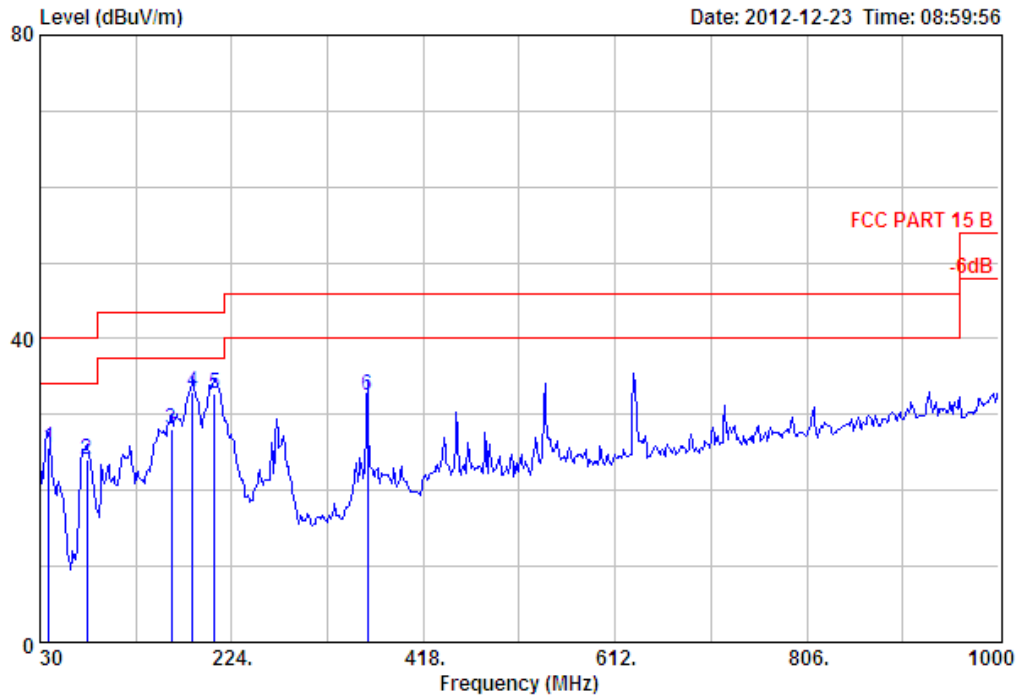
Site no. : 3m Chamber Data no. : 105
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)
1	155.13	10.67	3.82	24.40	38.89	43.50	4.61	QP
2	162.89	10.01	3.91	25.76	39.68	43.50	3.82	QP
3	179.38	8.96	4.11	26.52	39.59	43.50	3.91	QP
4	201.69	7.79	4.30	28.14	40.23	43.50	3.27	QP
5	361.74	14.53	5.75	21.71	41.99	46.00	4.01	QP
6	450.98	16.51	6.38	11.82	34.71	46.00	11.29	QP



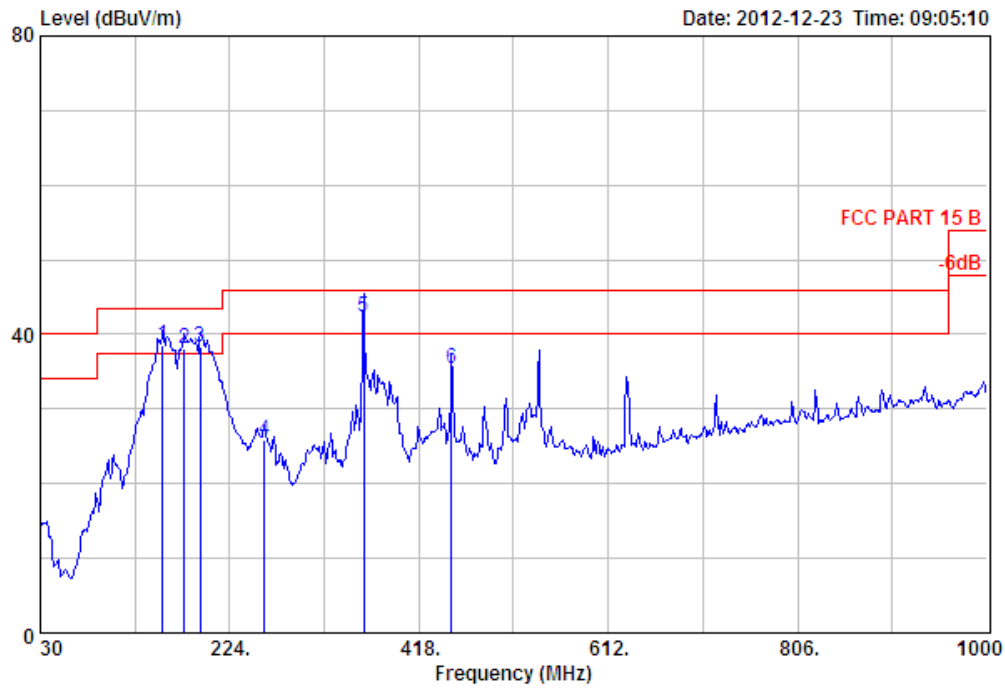
Site no. : 3m Chamber Data no. : 106
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	36.79	14.52	2.06	11.48	28.06	40.00	11.94	QP
2	75.59	6.51	2.80	15.42	24.73	40.00	15.27	QP
3	162.89	10.01	3.91	18.41	32.33	43.50	11.17	QP
4	184.23	8.57	4.18	20.25	33.00	43.50	10.50	QP
5	201.69	7.79	4.30	19.80	31.89	43.50	11.61	QP
6	361.74	14.53	5.75	9.77	30.05	46.00	15.95	QP



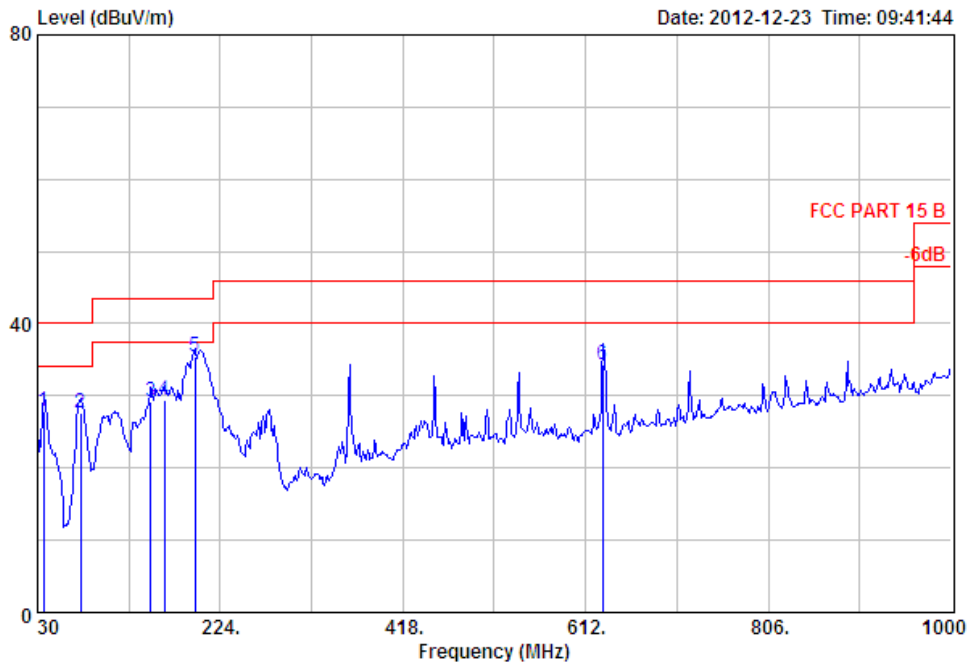
Site no. : 3m Chamber Data no. : 107
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)		
1	38.73	13.48	2.10	10.14	25.72	40.00	14.28	QP
2	77.53	6.80	2.83	14.46	24.09	40.00	15.91	QP
3	162.89	10.01	3.91	14.15	28.07	43.50	15.43	QP
4	184.23	8.57	4.18	20.13	32.88	43.50	10.62	QP
5	206.54	8.09	4.32	20.41	32.82	43.50	10.68	QP
6	361.74	14.53	5.75	12.36	32.64	46.00	13.36	QP



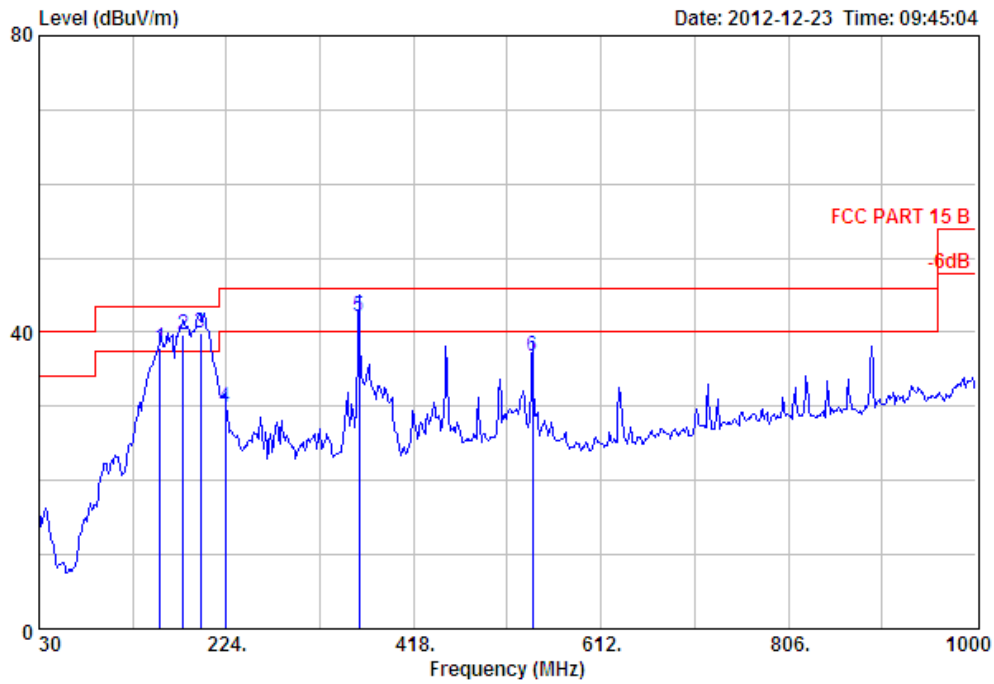
Site no. : 3m Chamber Data no. : 108
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	155.13	10.67	3.82	24.11	38.60	43.50	4.90	QP
2	177.44	8.97	4.09	24.97	38.03	43.50	5.47	QP
3	193.93	7.76	4.21	26.27	38.24	43.50	5.26	QP
4	259.89	12.97	4.93	7.99	25.89	46.00	20.11	QP
5	361.74	14.53	5.75	22.08	42.36	46.00	3.64	QP
6	450.98	16.51	6.38	12.58	35.47	46.00	10.53	QP



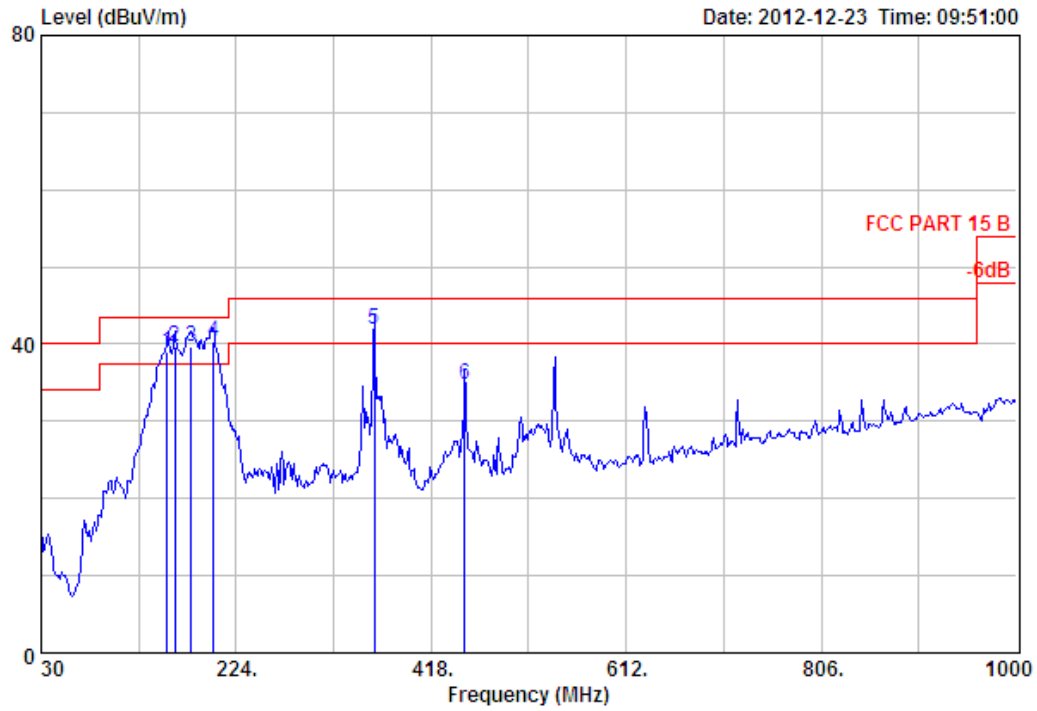
Site no. : 3m Chamber Data no. : 115
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX (ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	36.79	14.52	2.06	11.37	27.95	40.00	12.05	QP
2	75.59	6.51	2.80	18.42	27.73	40.00	12.27	QP
3	150.28	10.86	3.78	14.63	29.27	43.50	14.23	QP
4	164.83	9.77	3.94	15.73	29.44	43.50	14.06	QP
5	196.84	7.72	4.26	23.48	35.46	43.50	8.04	QP
6	630.43	20.17	7.57	6.54	34.28	46.00	11.72	QP



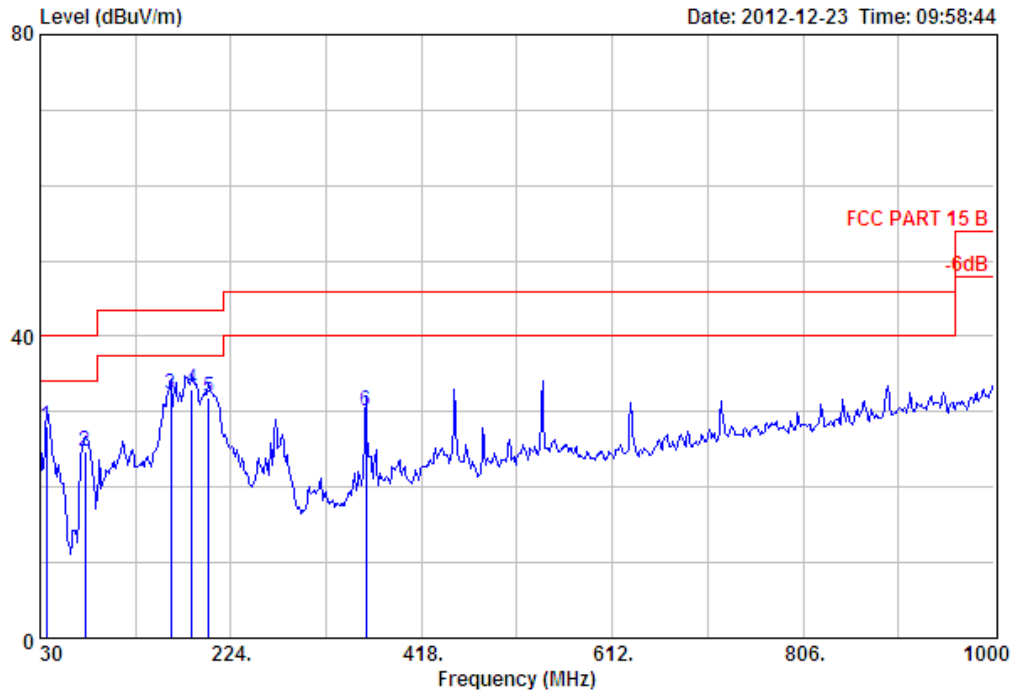
Site no. : 3m Chamber Data no. : 116
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	155.13	10.67	3.82	23.49	37.98	43.50	5.52	QP
2	179.38	8.96	4.11	26.58	39.65	43.50	3.85	QP
3	196.84	7.72	4.26	27.99	39.97	43.50	3.53	QP
4	223.03	9.37	4.47	16.06	29.90	46.00	16.10	QP
5	361.74	14.53	5.75	21.76	42.04	46.00	3.96	QP
6	541.19	19.46	7.00	10.23	36.69	46.00	9.31	QP



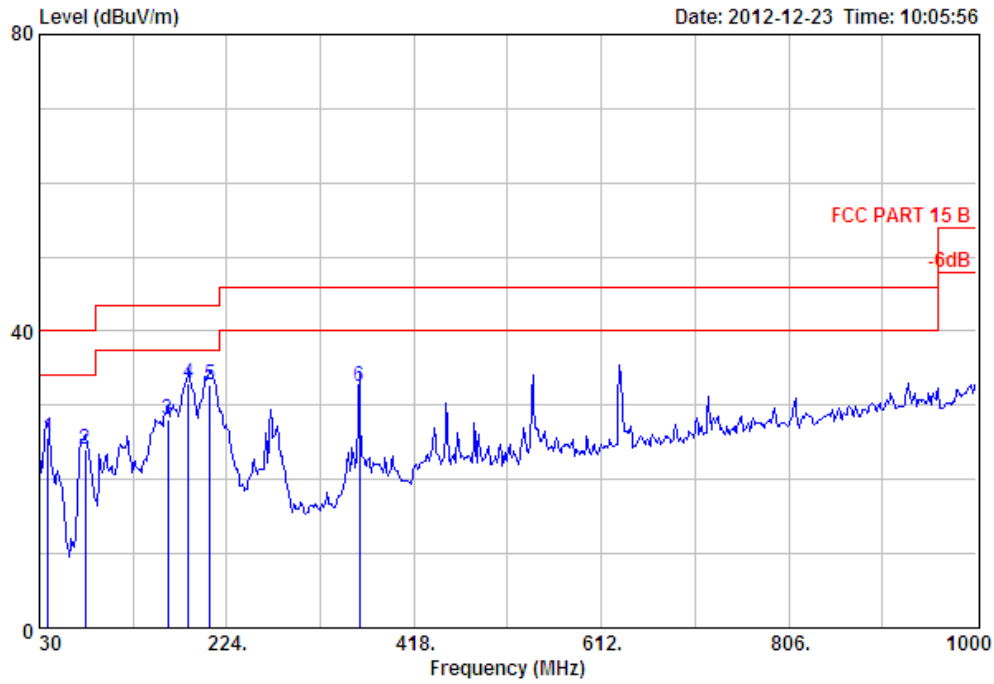
Site no. : 3m Chamber Data no. : 117
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX (ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	155.13	10.67	3.82	24.40	38.89	43.50	4.61	QP
2	162.89	10.01	3.91	25.76	39.68	43.50	3.82	QP
3	179.38	8.96	4.11	26.52	39.59	43.50	3.91	QP
4	201.69	7.79	4.30	28.14	40.23	43.50	3.27	QP
5	361.74	14.53	5.75	21.71	41.99	46.00	4.01	QP
6	450.98	16.51	6.38	11.82	34.71	46.00	11.29	QP



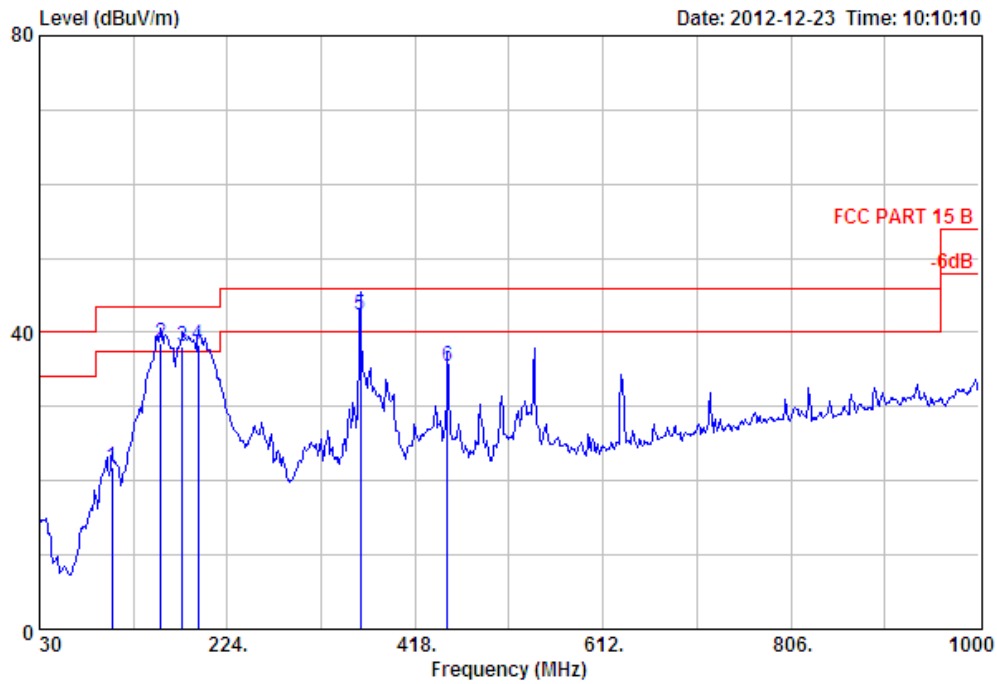
Site no. : 3m Chamber Data no. : 118
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX (ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	36.79	14.52	2.06	11.48	28.06	40.00	11.94	QP
2	75.59	6.51	2.80	15.42	24.73	40.00	15.27	QP
3	162.89	10.01	3.91	18.41	32.33	43.50	11.17	QP
4	184.23	8.57	4.18	20.25	33.00	43.50	10.50	QP
5	201.69	7.79	4.30	19.80	31.89	43.50	11.61	QP
6	361.74	14.53	5.75	9.77	30.05	46.00	15.95	QP



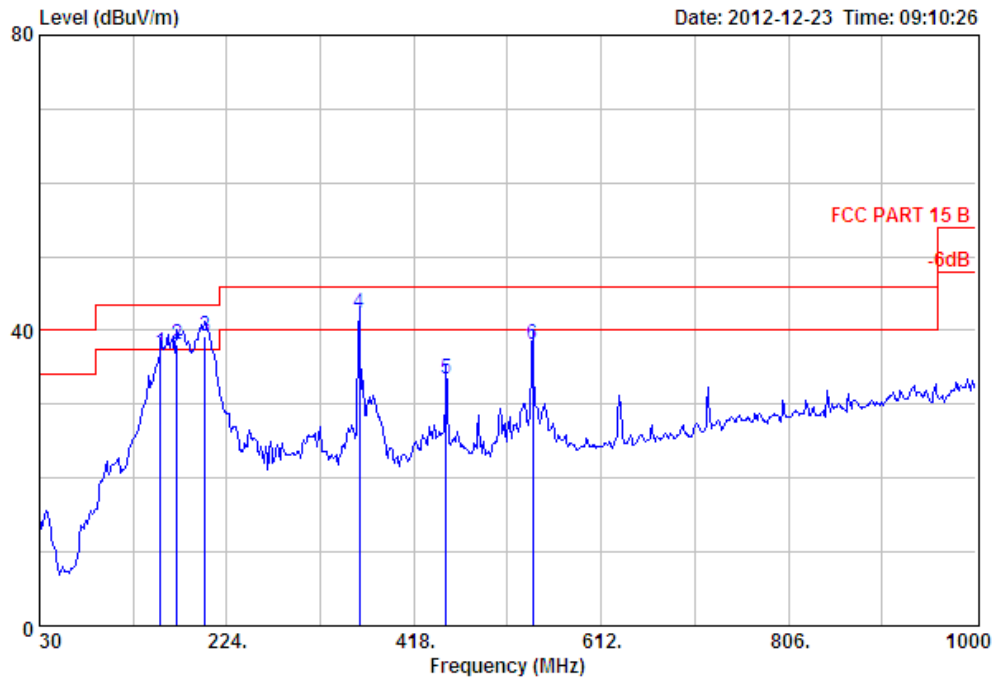
Site no. : 3m Chamber Data no. : 119
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	38.73	13.48	2.10	10.14	25.72	40.00	14.28	QP
2	77.53	6.80	2.83	14.46	24.09	40.00	15.91	QP
3	162.89	10.01	3.91	14.15	28.07	43.50	15.43	QP
4	184.23	8.57	4.18	20.13	32.88	43.50	10.62	QP
5	206.54	8.09	4.32	20.41	32.82	43.50	10.68	QP
6	361.74	14.53	5.75	12.36	32.64	46.00	13.36	QP



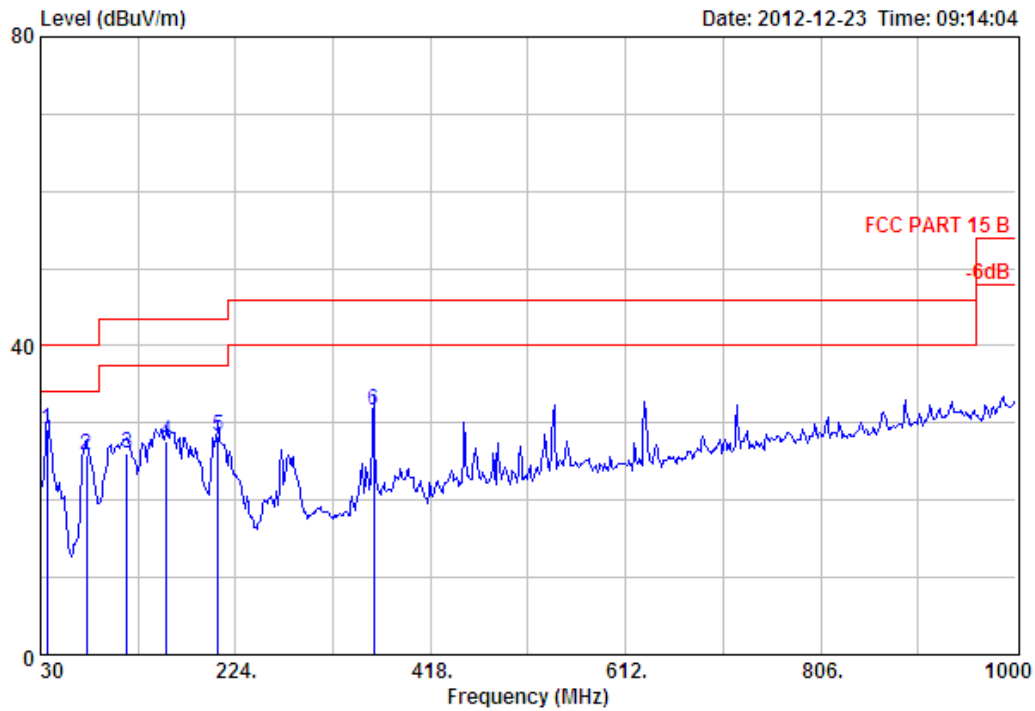
Site no. : 3m Chamber Data no. : 120
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)
1	104.69	9.95	3.11	8.84	21.90	43.50	21.60	QP
2	155.13	10.67	3.82	24.11	38.60	43.50	4.90	QP
3	177.44	8.97	4.09	24.97	38.03	43.50	5.47	QP
4	193.93	7.76	4.21	26.27	38.24	43.50	5.26	QP
5	361.74	14.53	5.75	22.08	42.36	46.00	3.64	QP
6	450.98	16.51	6.38	12.58	35.47	46.00	10.53	QP



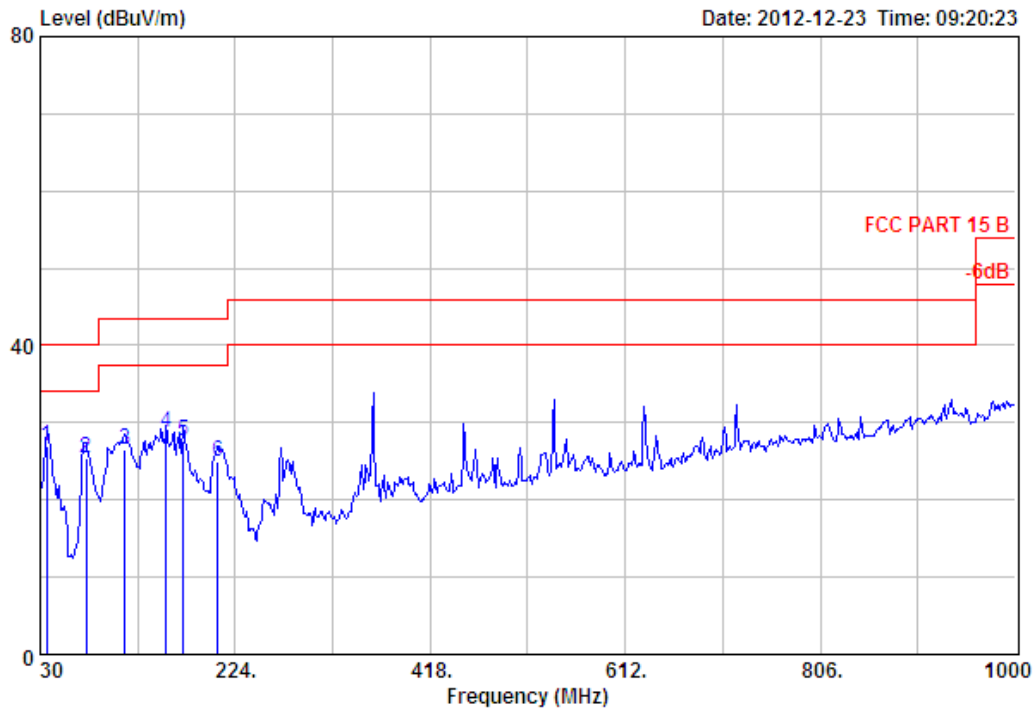
Site no. : 3m Chamber Data no. : 109
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	155.13	10.67	3.82	22.51	37.00	43.50	6.50	QP
2	172.59	9.07	4.05	24.92	38.04	43.50	5.46	QP
3	201.69	7.79	4.30	27.04	39.13	43.50	4.37	QP
4	361.74	14.53	5.75	22.02	42.30	46.00	3.70	QP
5	450.98	16.51	6.38	10.43	33.32	46.00	12.68	QP
6	541.19	19.46	7.00	11.65	38.11	46.00	7.89	QP



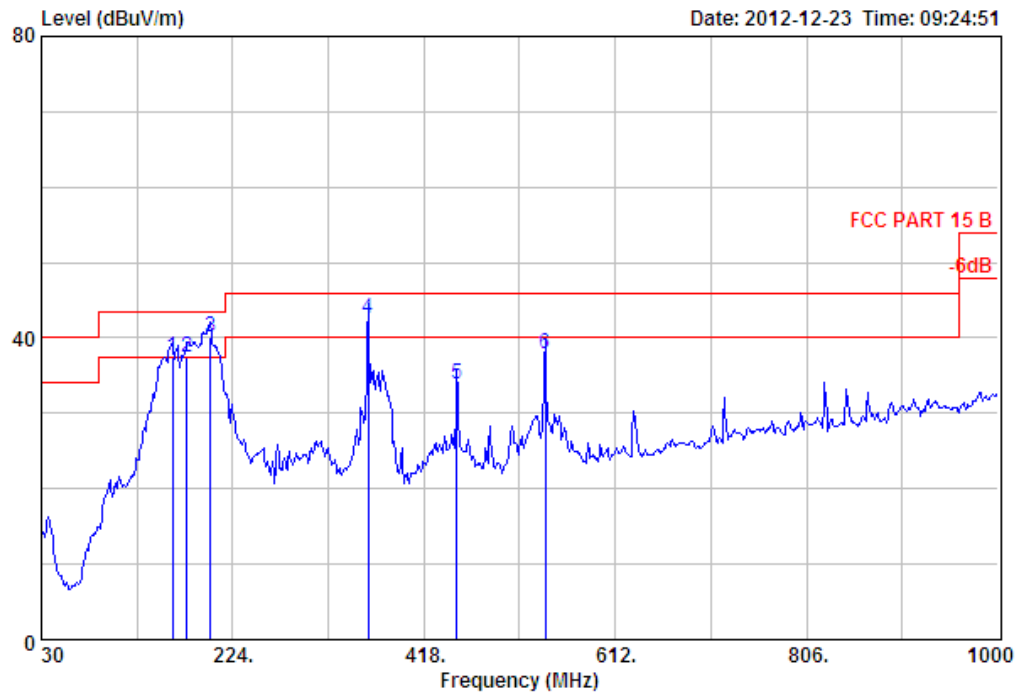
Site no. : 3m Chamber Data no. : 110
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)		
1	36.79	14.52	2.06	12.52	29.10	40.00	10.90	QP
2	75.59	6.51	2.80	16.53	25.84	40.00	14.16	QP
3	116.33	10.98	3.29	11.82	26.09	43.50	17.41	QP
4	155.13	10.67	3.82	13.05	27.54	43.50	15.96	QP
5	206.54	8.09	4.32	15.95	28.36	43.50	15.14	QP
6	361.74	14.53	5.75	11.37	31.65	46.00	14.35	QP



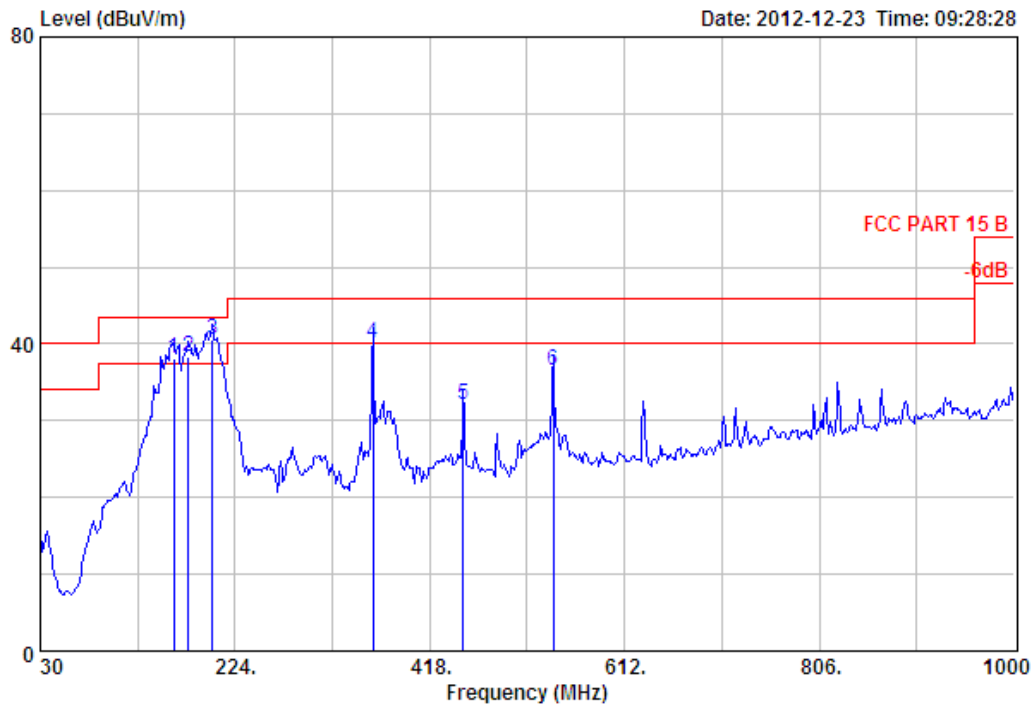
Site no. : 3m Chamber Data no. : 111
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Reamark (dB)
					Level (dBuV/m)	Limits (dBuV/m)		
1	36.79	14.52	2.06	10.30	26.88	40.00	13.12	QP
2	75.59	6.51	2.80	16.18	25.49	40.00	14.51	QP
3	114.39	10.85	3.26	12.48	26.59	43.50	16.91	QP
4	155.13	10.67	3.82	14.15	28.64	43.50	14.86	QP
5	172.59	9.07	4.05	14.47	27.59	43.50	15.91	QP
6	206.54	8.09	4.32	12.61	25.02	43.50	18.48	QP



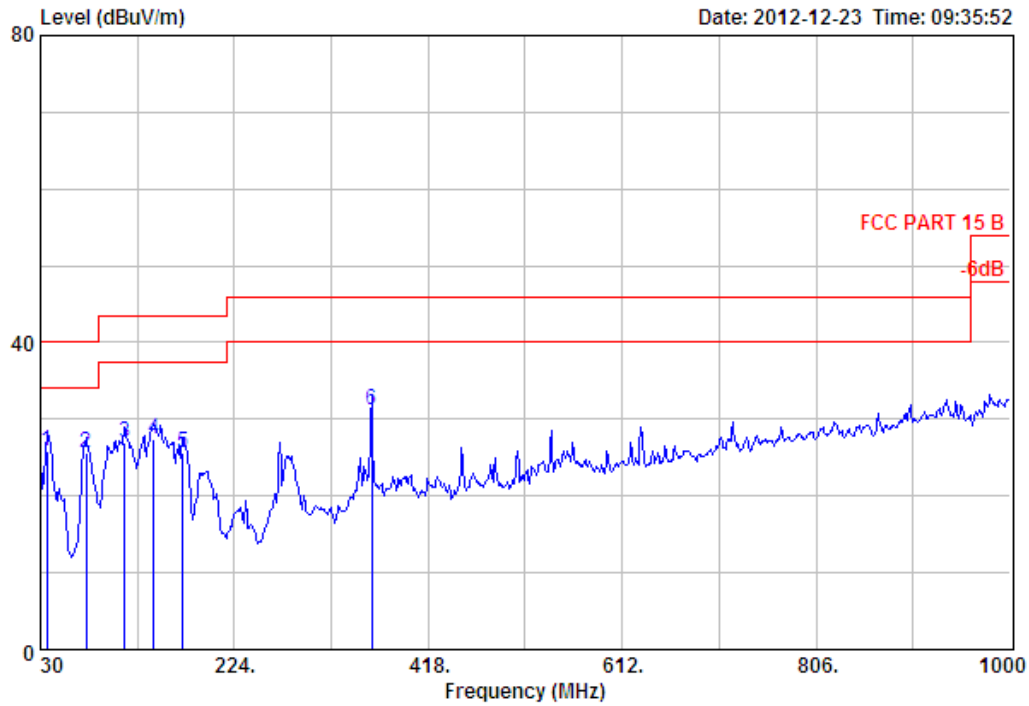
Site no. : 3m Chamber Data no. : 112
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	162.89	10.01	3.91	23.58	37.50	43.50	6.00	QP
2	177.44	8.97	4.09	24.40	37.46	43.50	6.04	QP
3	201.69	7.79	4.30	28.04	40.13	43.50	3.37	QP
4	361.74	14.53	5.75	22.22	42.50	46.00	3.50	QP
5	450.98	16.51	6.38	10.93	33.82	46.00	12.18	QP
6	541.19	19.46	7.00	11.49	37.95	46.00	8.05	QP



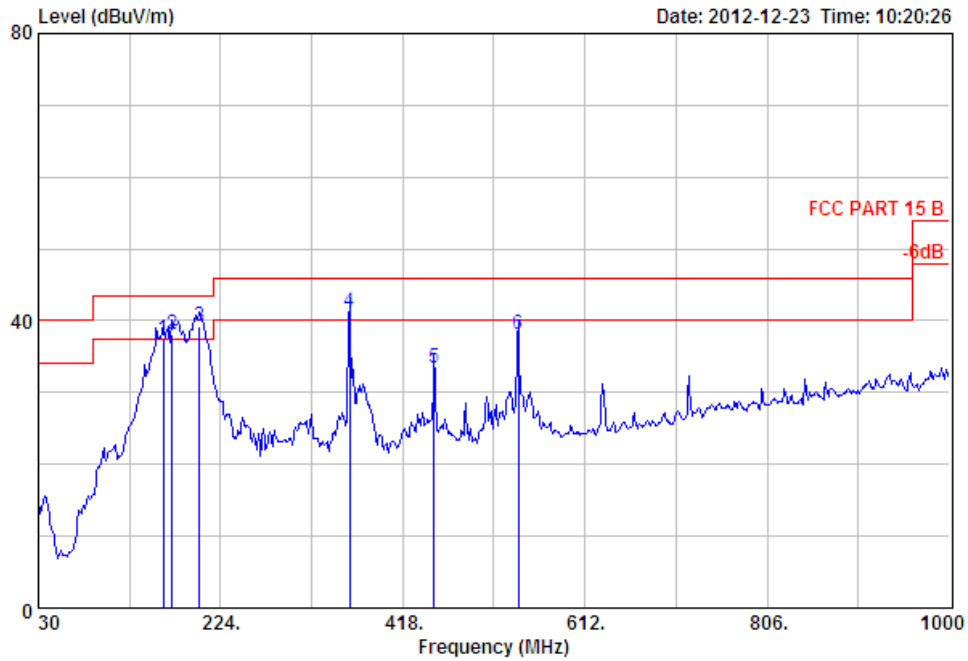
Site no. : 3m Chamber Data no. : 113
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	162.89	10.01	3.91	24.18	38.10	43.50	5.40	QP
2	177.44	8.97	4.09	25.19	38.25	43.50	5.25	QP
3	201.69	7.79	4.30	28.39	40.48	43.50	3.02	QP
4	361.74	14.53	5.75	19.76	40.04	46.00	5.96	QP
5	450.98	16.51	6.38	9.16	32.05	46.00	13.95	QP
6	541.19	19.46	7.00	10.08	36.54	46.00	9.46	QP



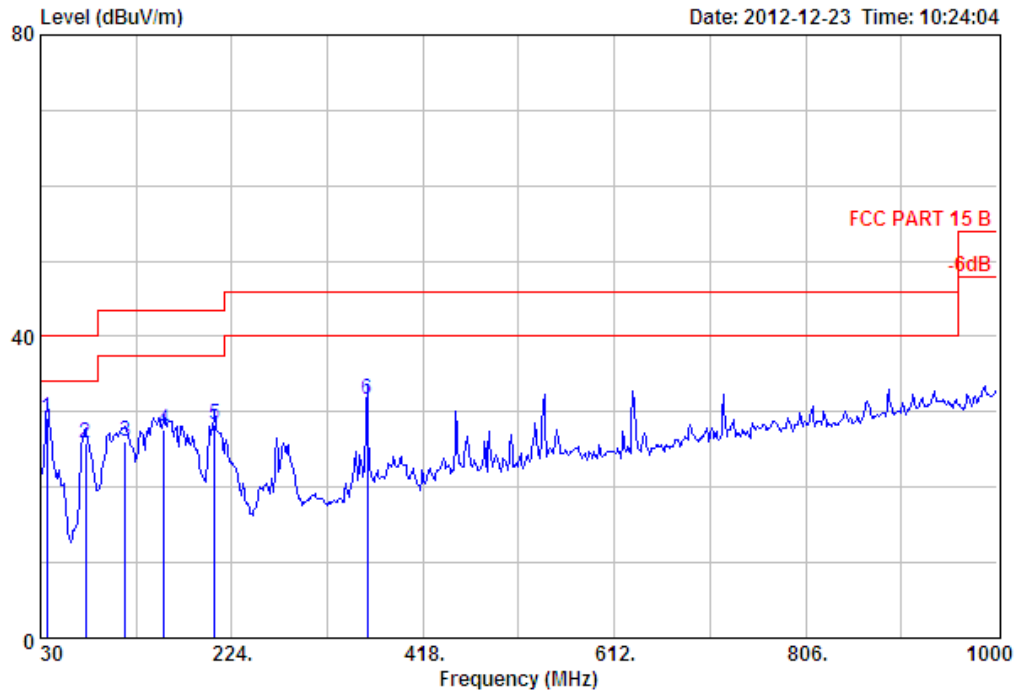
Site no. : 3m Chamber Data no. : 114
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)
1	36.79	14.52	2.06	9.34	25.92	40.00	14.08	QP
2	75.59	6.51	2.80	16.22	25.53	40.00	14.47	QP
3	114.39	10.85	3.26	12.95	27.06	43.50	16.44	QP
4	143.49	11.29	3.71	12.41	27.41	43.50	16.09	QP
5	172.59	9.07	4.05	12.61	25.73	43.50	17.77	QP
6	361.74	14.53	5.75	11.01	31.29	46.00	14.71	QP



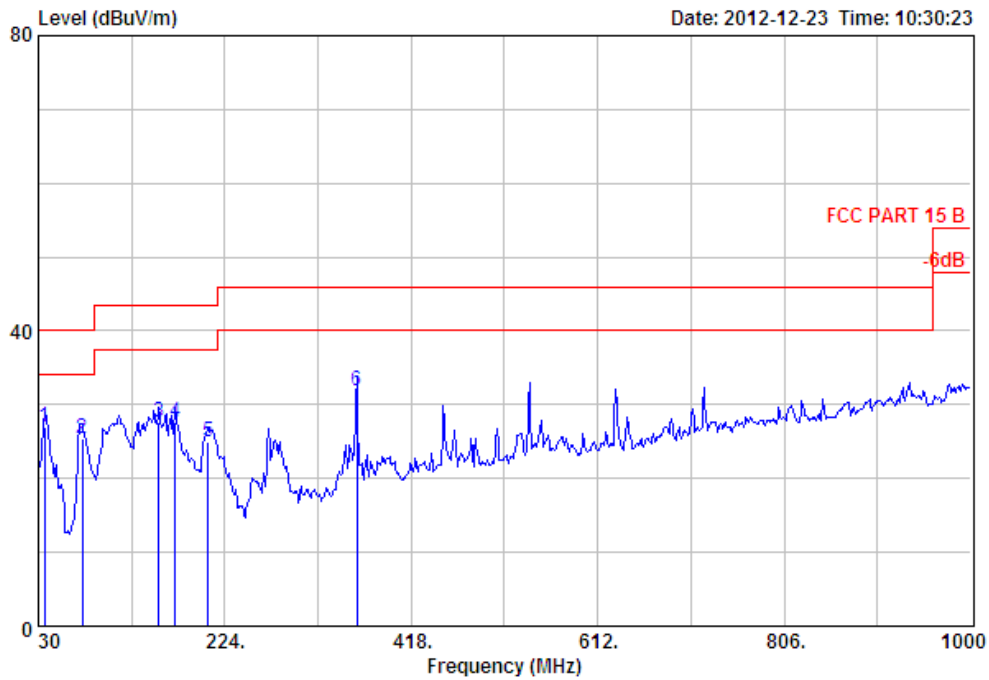
Site no. : 3m Chamber Data no. : 121
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	162.89	10.01	3.91	23.45	37.37	43.50	6.13	QP
2	172.59	9.07	4.05	24.92	38.04	43.50	5.46	QP
3	201.69	7.79	4.30	27.04	39.13	43.50	4.37	QP
4	361.74	14.53	5.75	21.02	41.30	46.00	4.70	QP
5	450.98	16.51	6.38	10.43	33.32	46.00	12.68	QP
6	541.19	19.46	7.00	11.65	38.11	46.00	7.89	QP



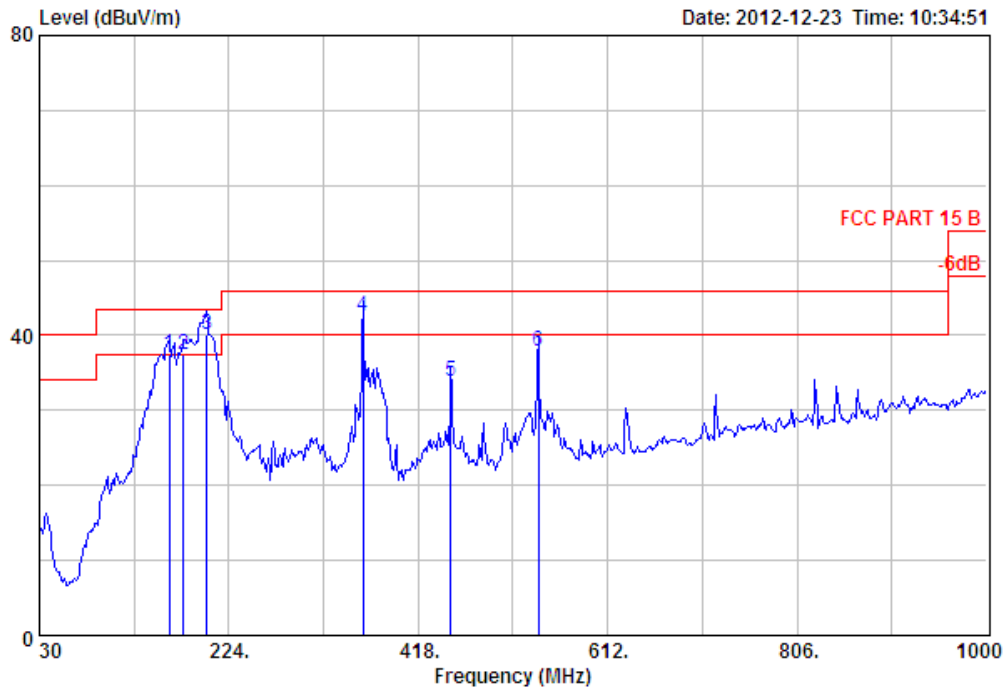
Site no. : 3m Chamber Data no. : 122
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 2)

	Freq.	Ant.	Cable		Emission				
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark	
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	
1	36.79	14.52	2.06	12.52	29.10	40.00	10.90	QP	
2	75.59	6.51	2.80	16.53	25.84	40.00	14.16	QP	
3	116.33	10.98	3.29	11.82	26.09	43.50	17.41	QP	
4	155.13	10.67	3.82	13.05	27.54	43.50	15.96	QP	
5	206.54	8.09	4.32	15.95	28.36	43.50	15.14	QP	
6	361.74	14.53	5.75	11.37	31.65	46.00	14.35	QP	



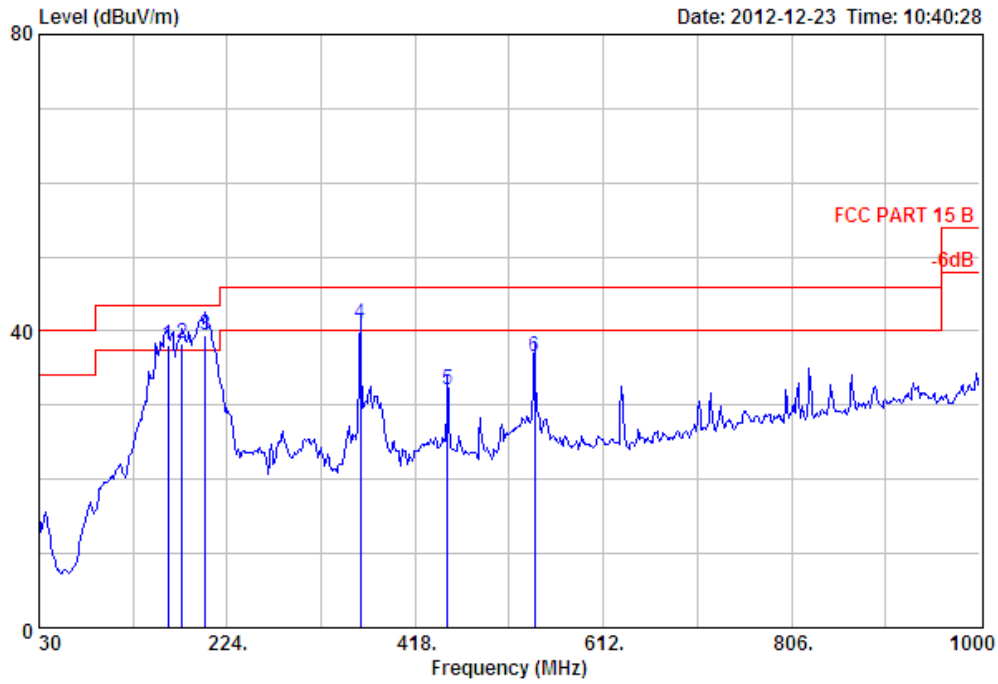
Site no. : 3m Chamber Data no. : 123
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	36.79	14.52	2.06	10.30	26.88	40.00	13.12	QP
2	75.59	6.51	2.80	16.18	25.49	40.00	14.51	QP
3	155.13	10.67	3.82	13.15	27.64	43.50	15.86	QP
4	172.59	9.07	4.05	14.47	27.59	43.50	15.91	QP
5	206.54	8.09	4.32	12.61	25.02	43.50	18.48	QP
6	361.74	14.53	5.75	11.51	31.79	46.00	14.21	QP



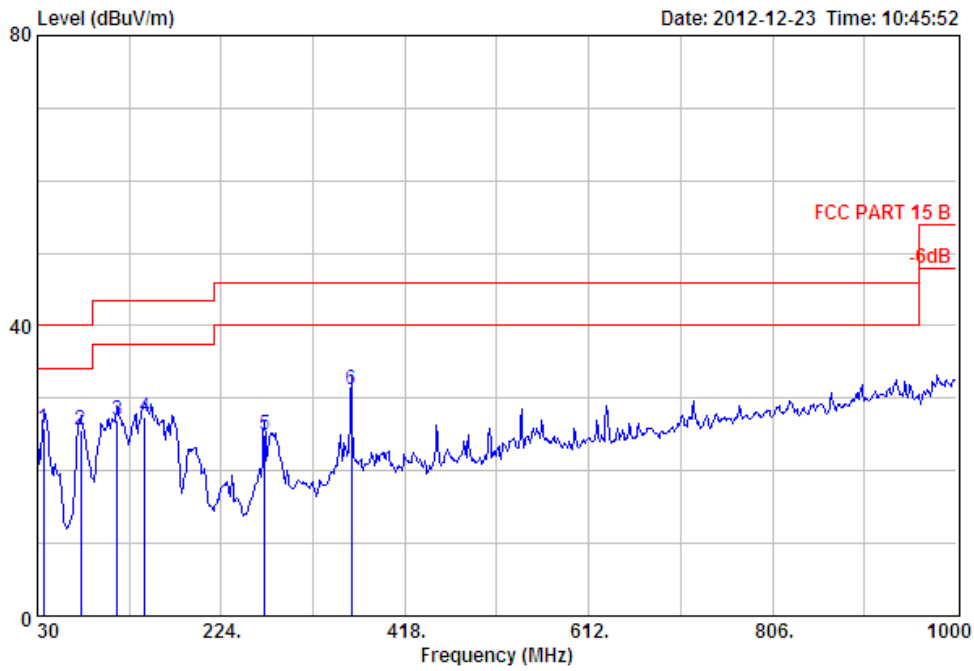
Site no. : 3m Chamber Data no. : 124
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX (ANT 2)

	Freq.	Ant.	Cable	Emission				
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	162.89	10.01	3.91	23.58	37.50	43.50	6.00	QP
2	177.44	8.97	4.09	24.40	37.46	43.50	6.04	QP
3	201.69	7.79	4.30	28.04	40.13	43.50	3.37	QP
4	361.74	14.53	5.75	22.22	42.50	46.00	3.50	QP
5	450.98	16.51	6.38	10.93	33.82	46.00	12.18	QP
6	541.19	19.46	7.00	11.49	37.95	46.00	8.05	QP



Site no. : 3m Chamber Data no. : 125
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

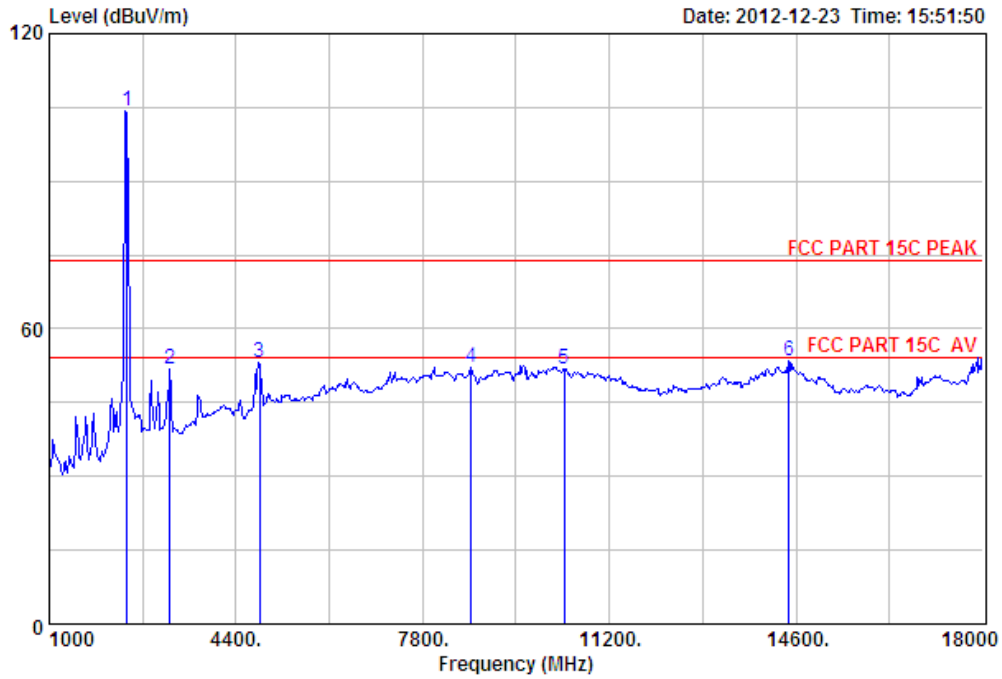
	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Reamark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1	162.89	10.01	3.91	24.18	38.10	43.50	5.40	QP
2	177.44	8.97	4.09	25.19	38.25	43.50	5.25	QP
3	201.69	7.79	4.30	27.39	39.48	43.50	4.02	QP
4	361.74	14.53	5.75	20.76	41.04	46.00	4.96	QP
5	450.98	16.51	6.38	9.16	32.05	46.00	13.95	QP
6	541.19	19.46	7.00	10.08	36.54	46.00	9.46	QP



Site no. : 3m Chamber Data no. : 126
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)
1	36.79	14.52	2.06	9.34	25.92	40.00	14.08	QP
2	75.59	6.51	2.80	16.22	25.53	40.00	14.47	QP
3	114.39	10.85	3.26	12.95	27.06	43.50	16.44	QP
4	143.49	11.29	3.71	12.41	27.41	43.50	16.09	QP
5	269.59	12.56	5.01	7.41	24.98	46.00	21.02	QP
6	361.74	14.53	5.75	11.01	31.29	46.00	14.71	QP

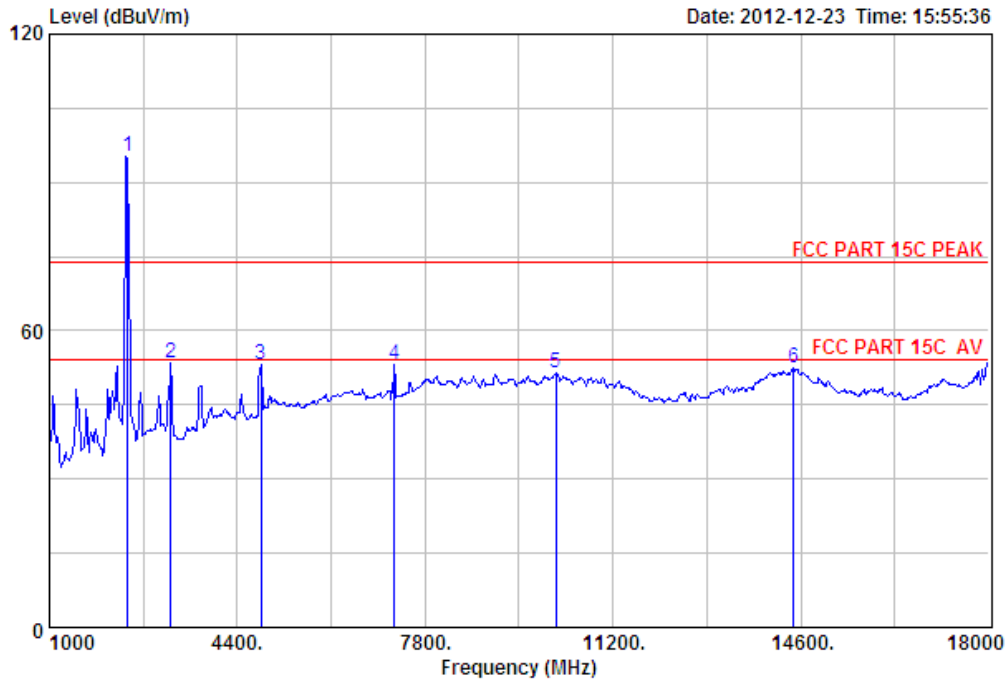
1000-18000 MHz



Site no. : 3m Chamber Data no. : 176
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.00	27.60	6.64	34.15	104.19	104.28	74.00	-30.28	Peak
2	3193.00	28.23	8.91	33.26	47.86	51.74	74.00	22.26	Peak
3	4824.00	31.28	11.84	31.83	41.90	53.19	74.00	20.81	Peak
4	8684.00	37.32	11.45	32.43	35.88	52.22	74.00	21.78	Peak
5	10384.00	38.77	11.38	32.50	34.23	51.88	74.00	22.12	Peak
6	14464.00	41.85	10.93	32.96	33.73	53.55	74.00	20.45	Peak

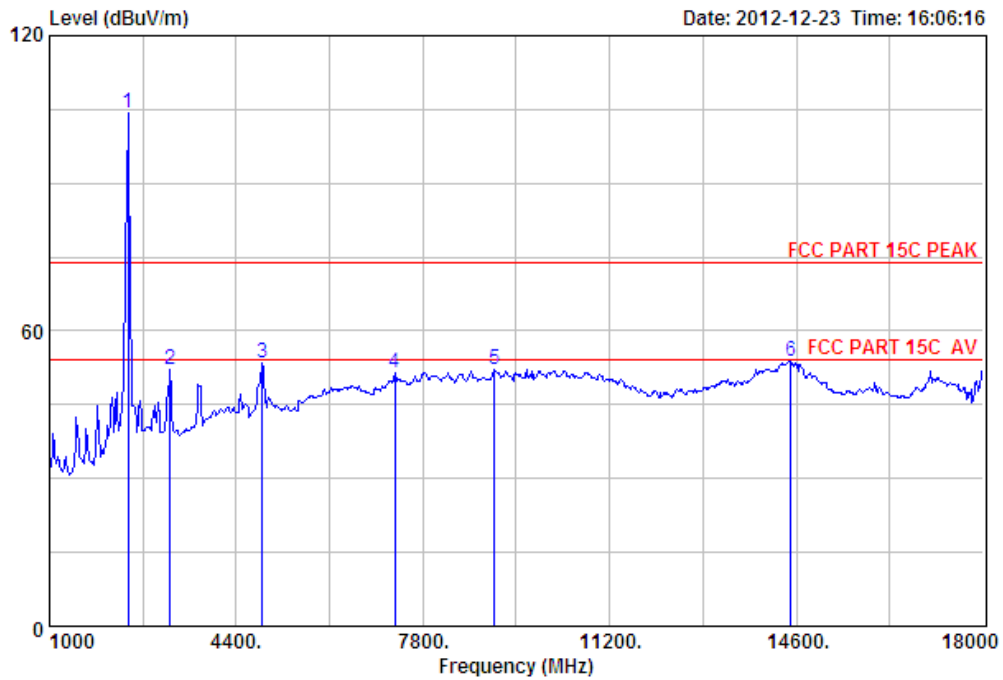
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 177
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.00	27.60	6.64	34.15	95.09	95.18	74.00	-21.18	Peak
2	3193.00	28.23	8.91	33.26	49.54	53.42	74.00	20.58	Peak
3	4824.00	31.28	11.84	31.83	41.89	53.18	74.00	20.82	Peak
4	7239.00	36.53	11.55	32.07	37.26	53.27	74.00	20.73	Peak
5	10163.00	38.39	11.50	32.08	33.58	51.39	74.00	22.61	Peak
6	14464.00	41.85	10.93	32.96	32.65	52.47	74.00	21.53	Peak

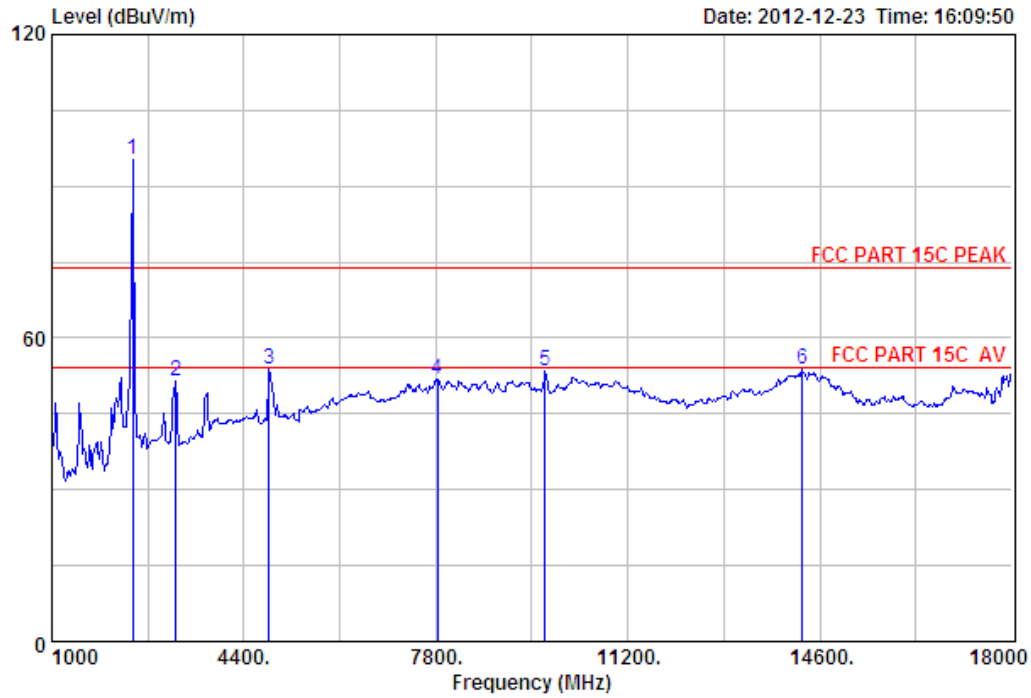
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 180
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX (ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.00	27.60	6.67	34.12	104.13	104.28	74.00	-30.28	Peak
2	3193.00	28.23	8.91	33.26	48.38	52.26	74.00	21.74	Peak
3	4876.00	31.37	12.07	31.90	42.08	53.62	74.00	20.38	Peak
4	7290.00	36.54	11.56	32.02	35.37	51.45	74.00	22.55	Peak
5	9109.00	37.59	11.51	32.42	35.47	52.15	74.00	21.85	Peak
6	14498.00	41.88	10.93	33.08	34.15	53.88	74.00	20.12	Peak

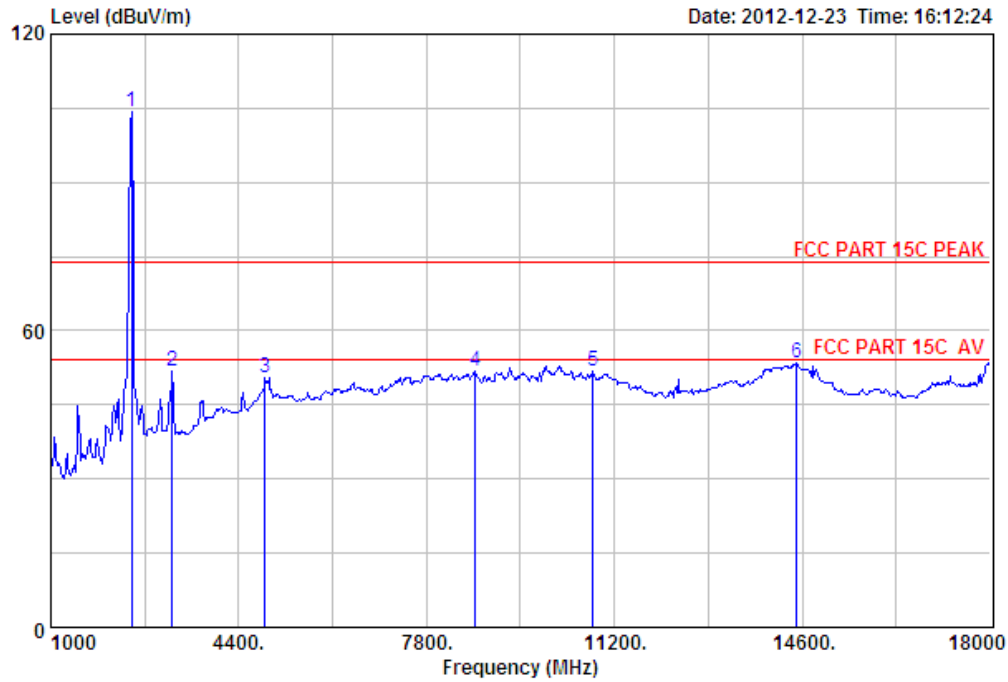
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 181
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.00	27.60	6.67	34.12	95.26	95.41	74.00	-21.41	Peak
2	3193.00	28.23	8.91	33.26	47.50	51.38	74.00	22.62	Peak
3	4842.00	31.31	11.92	31.85	42.32	53.70	74.00	20.30	Peak
4	7834.00	36.68	11.47	31.40	35.08	51.83	74.00	22.17	Peak
5	9738.00	38.11	11.65	31.87	35.67	53.56	74.00	20.44	Peak
6	14294.00	41.71	10.92	33.08	34.19	53.74	74.00	20.26	Peak

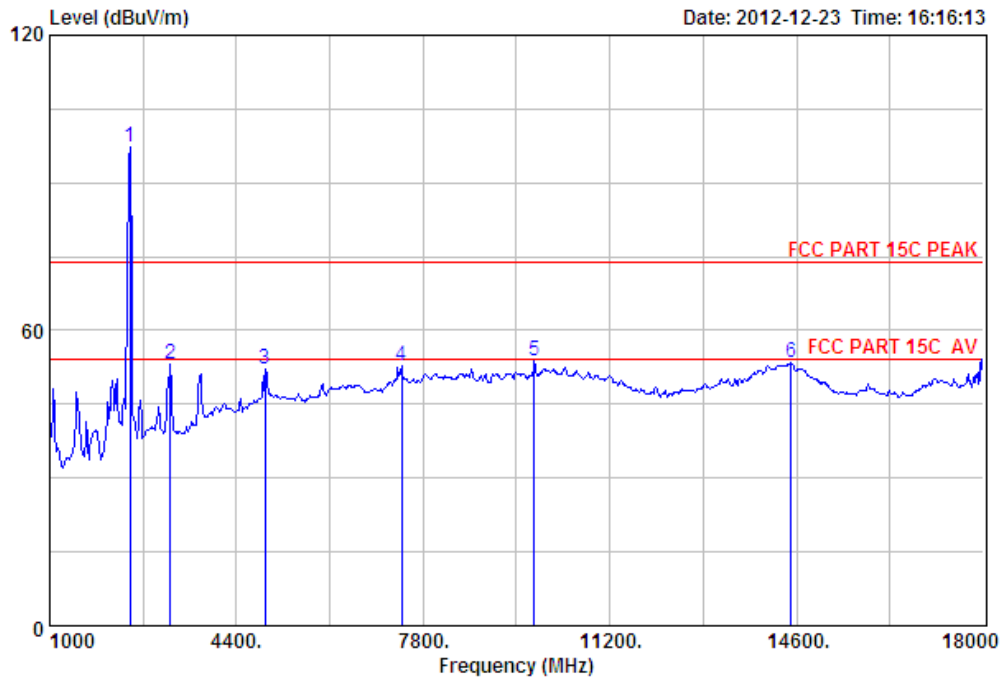
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 182
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.06	103.97	104.18	74.00	-30.18	Peak
2	3193.00	28.23	8.91	33.26	47.77	51.65	74.00	22.35	Peak
3	4876.00	31.37	12.07	31.90	39.03	50.57	74.00	23.43	Peak
4	8684.00	37.32	11.45	32.43	35.35	51.69	74.00	22.31	Peak
5	10809.00	39.31	11.30	33.30	34.50	51.81	74.00	22.19	Peak
6	14498.00	41.88	10.93	33.08	33.83	53.56	74.00	20.44	Peak

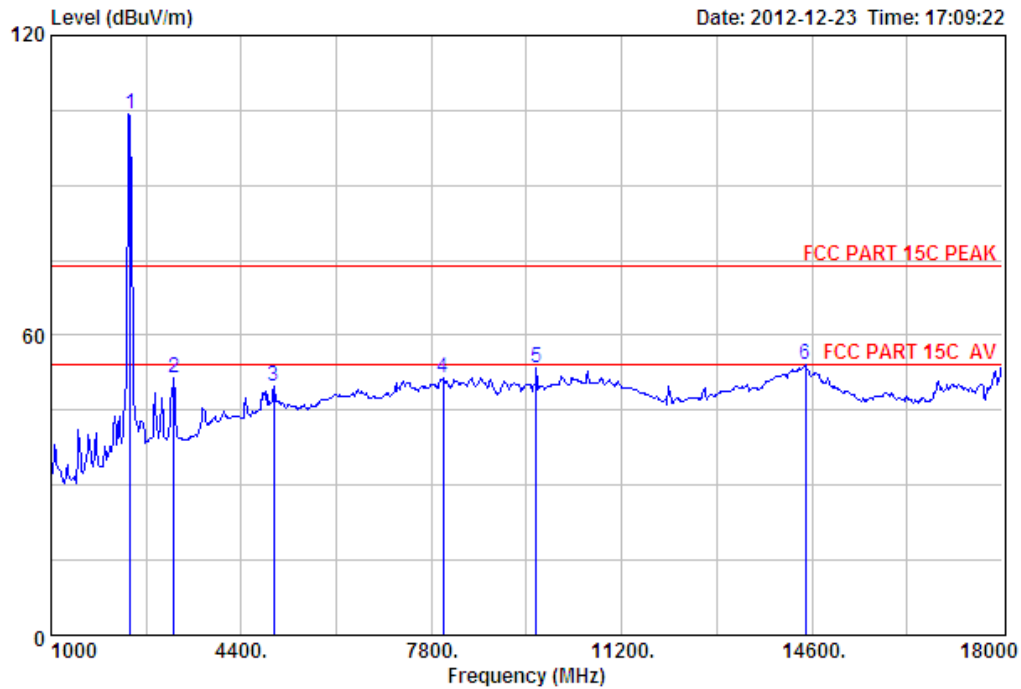
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 183
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX (ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.00	27.58	6.69	34.06	96.90	97.11	74.00	-23.11	Peak
2	3193.00	28.23	8.91	33.26	49.28	53.16	74.00	20.84	Peak
3	4927.00	31.45	12.29	31.95	40.39	52.18	74.00	21.82	Peak
4	7409.00	36.58	11.60	31.97	36.50	52.71	74.00	21.29	Peak
5	9823.00	38.17	11.63	31.82	35.88	53.86	74.00	20.14	Peak
6	14498.00	41.88	10.93	33.08	33.64	53.37	74.00	20.63	Peak

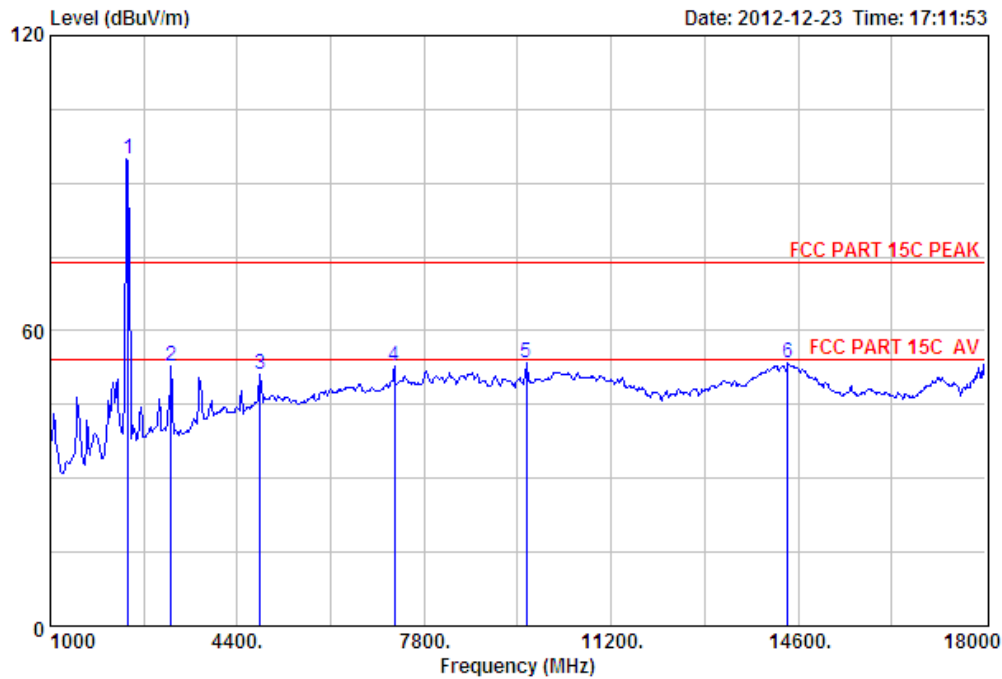
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 196
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2412.00	27.60	6.64	34.15	104.37	104.46	74.00	-30.46	Peak
2	3193.00	28.23	8.91	33.26	47.51	51.39	74.00	22.61	Peak
3	4978.00	31.52	12.52	31.99	37.92	49.97	74.00	24.03	Peak
4	8004.00	37.01	11.40	31.22	34.27	51.46	74.00	22.54	Peak
5	9670.00	38.01	11.67	31.88	35.70	53.50	74.00	20.50	Peak
6	14481.00	41.86	10.93	33.02	34.35	54.12	74.00	19.88	Peak

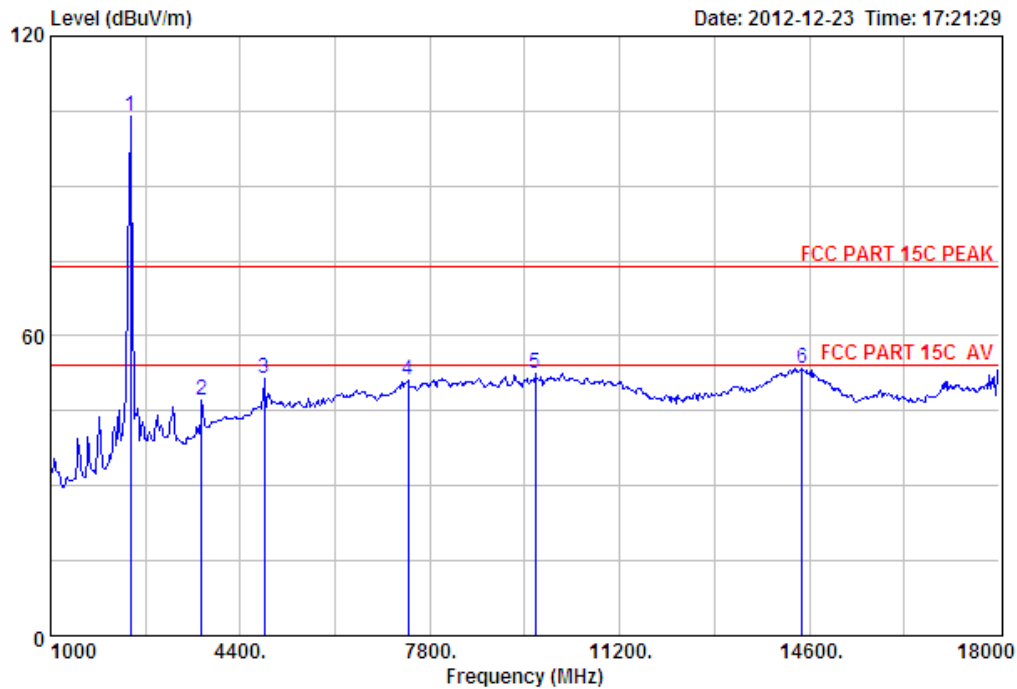
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 197
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Level				
1	2412.00	27.60	6.64	34.15	94.78	94.87	74.00	-20.87	Peak
2	3193.00	28.23	8.91	33.26	48.77	52.65	74.00	21.35	Peak
3	4808.00	31.25	11.77	31.81	39.84	51.05	74.00	22.95	Peak
4	7256.00	36.53	11.55	32.06	36.73	52.75	74.00	21.25	Peak
5	9653.00	37.98	11.67	31.89	35.64	53.40	74.00	20.60	Peak
6	14413.00	41.80	10.92	32.78	33.47	53.41	74.00	20.59	Peak

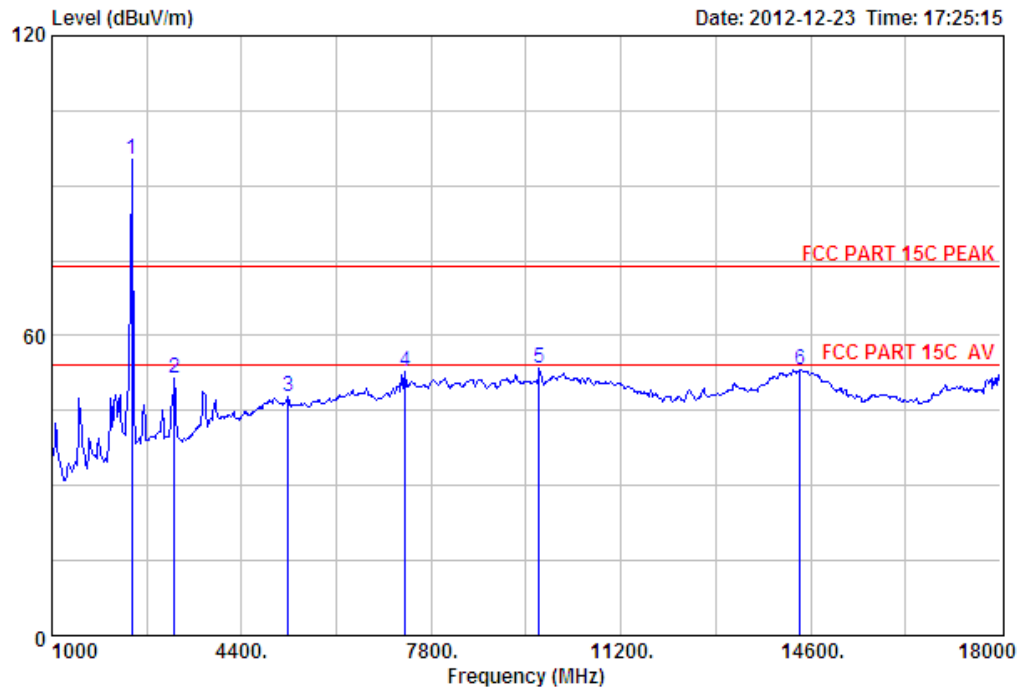
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 200
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.00	27.60	6.67	34.12	103.92	104.07	74.00	-30.07	Peak
2	3703.00	28.89	9.60	32.66	41.16	46.99	74.00	27.01	Peak
3	4825.00	31.28	11.84	31.83	40.03	51.32	74.00	22.68	Peak
4	7409.00	36.58	11.60	31.97	34.89	51.10	74.00	22.90	Peak
5	9687.00	38.03	11.66	31.87	34.68	52.50	74.00	21.50	Peak
6	14464.00	41.85	10.93	32.96	33.61	53.43	74.00	20.57	Peak

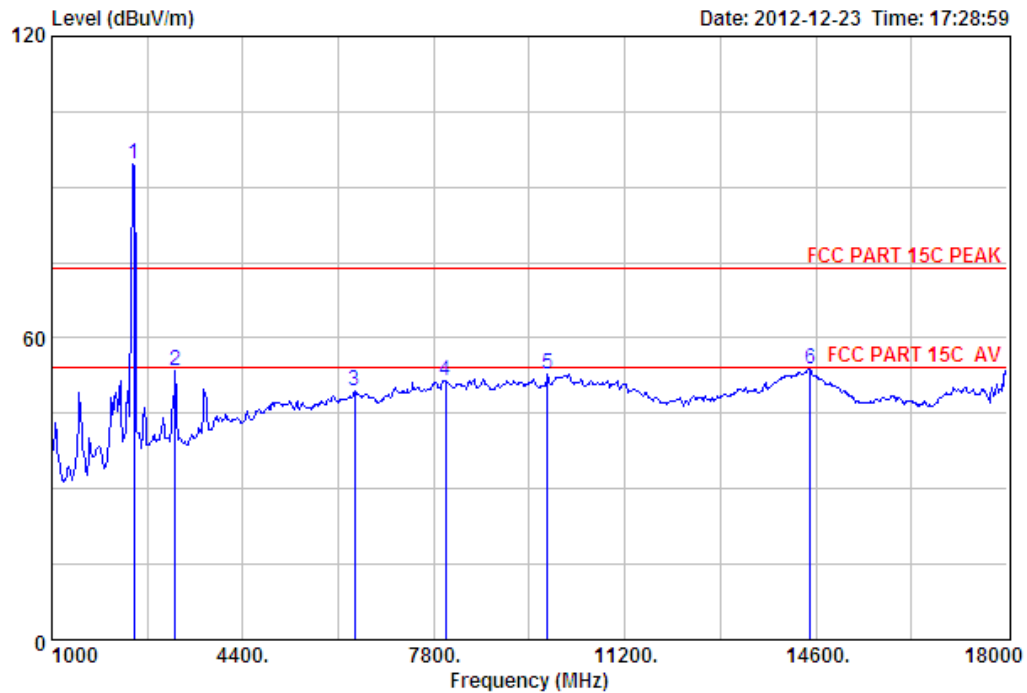
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 201
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 2)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.00	27.60	6.67	34.12	94.98	95.13	74.00	-21.13	Peak
2	3193.00	28.23	8.91	33.26	47.59	51.47	74.00	22.53	Peak
3	5233.00	31.68	12.31	32.18	36.12	47.93	74.00	26.07	Peak
4	7341.00	36.56	11.58	31.99	36.68	52.83	74.00	21.17	Peak
5	9738.00	38.11	11.65	31.87	35.45	53.34	74.00	20.66	Peak
6	14413.00	41.80	10.92	32.78	33.28	53.22	74.00	20.78	Peak

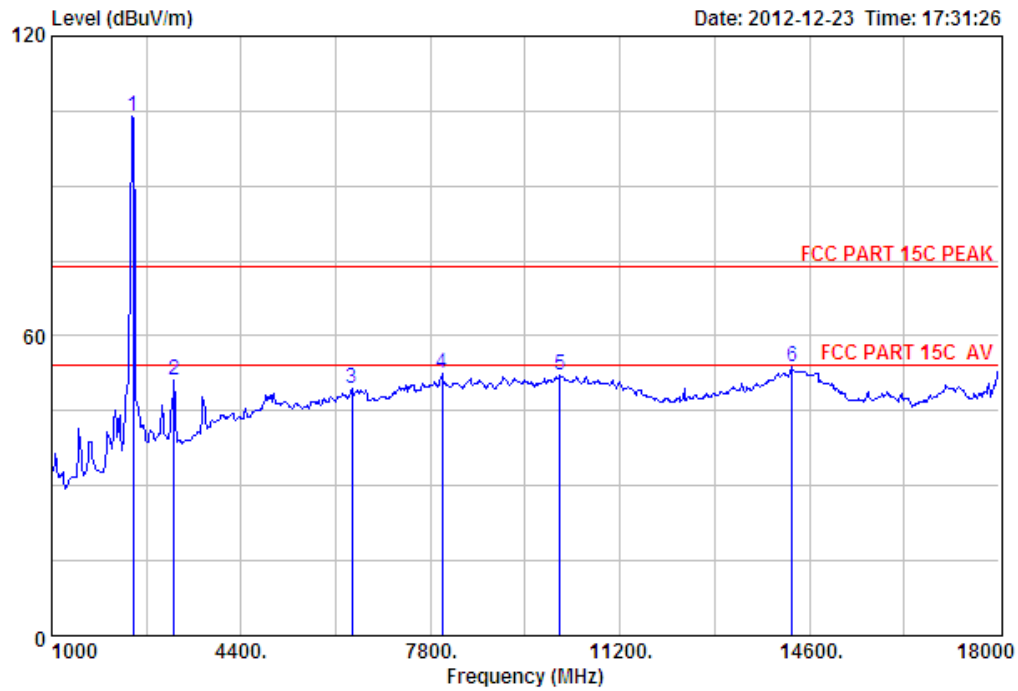
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 202
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX (ANT 2)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2462.00	27.58	6.69	34.06	94.52	94.73	74.00	-20.73	Peak
2	3193.00	28.23	8.91	33.26	49.53	53.41	74.00	20.59	Peak
3	6389.00	33.93	12.20	31.91	35.13	49.35	74.00	24.65	Peak
4	8004.00	37.01	11.40	31.22	34.26	51.45	74.00	22.55	Peak
5	9823.00	38.17	11.63	31.82	34.98	52.96	74.00	21.04	Peak
6	14498.00	41.88	10.93	33.08	34.04	53.77	74.00	20.23	Peak

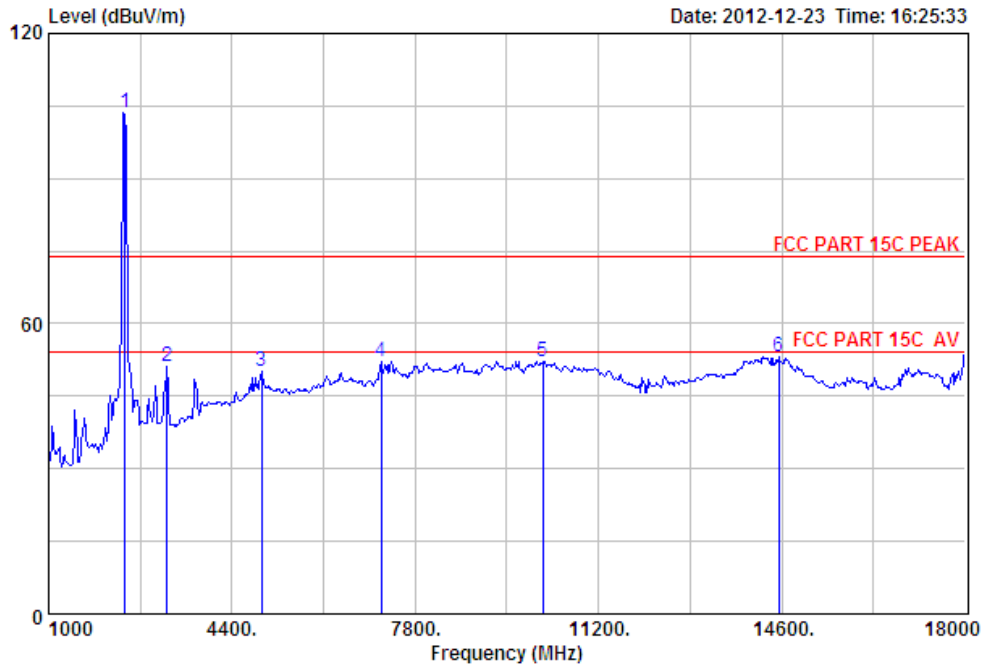
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 203
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.00	27.58	6.69	34.06	103.75	103.96	74.00	-29.96	Peak
2	3193.00	28.23	8.91	33.26	47.42	51.30	74.00	22.70	Peak
3	6389.00	33.93	12.20	31.91	35.22	49.44	74.00	24.56	Peak
4	8004.00	37.01	11.40	31.22	35.14	52.33	74.00	21.67	Peak
5	10129.00	38.33	11.52	32.01	34.14	51.98	74.00	22.02	Peak
6	14294.00	41.71	10.92	33.08	34.32	53.87	74.00	20.13	Peak

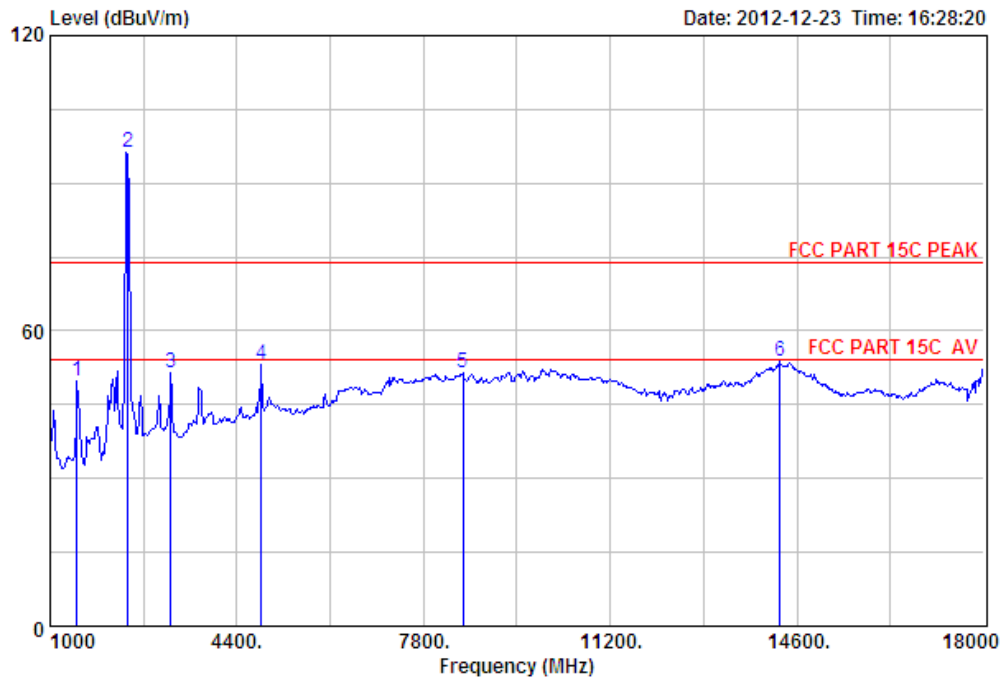
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 186
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 1)

	Freq.	Ant.	Cable	Amp		Emission			
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2412.00	27.60	6.64	34.15	103.42	103.51	74.00	-29.51	Peak
2	3193.00	28.23	8.91	33.26	47.26	51.14	74.00	22.86	Peak
3	4944.00	31.47	12.37	31.96	38.15	50.03	74.00	23.97	Peak
4	7171.00	36.34	11.53	32.18	36.59	52.28	74.00	21.72	Peak
5	10163.00	38.39	11.50	32.08	34.45	52.26	74.00	21.74	Peak
6	14549.00	41.77	10.92	33.26	33.70	53.13	74.00	20.87	Peak

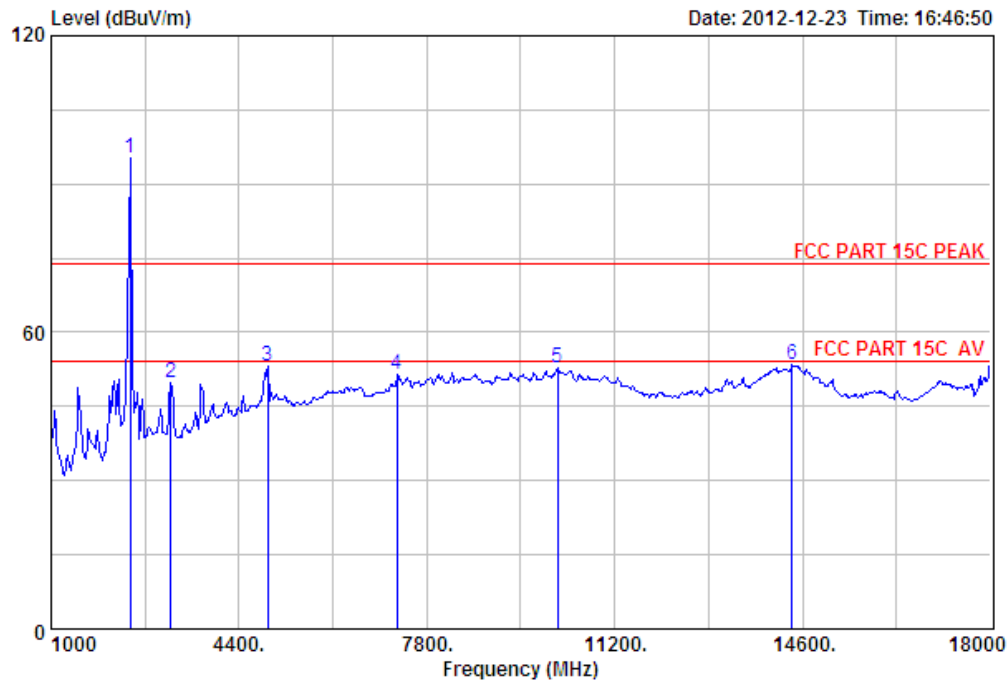
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 187
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1493.00	24.93	4.32	34.45	54.84	49.64	74.00	24.36	Peak
2	2412.00	27.60	6.64	34.15	96.18	96.27	74.00	-22.27	Peak
3	3193.00	28.23	8.91	33.26	47.60	51.48	74.00	22.52	Peak
4	4842.00	31.31	11.92	31.85	41.71	53.09	74.00	20.91	Peak
5	8514.00	36.96	11.45	31.91	34.98	51.48	74.00	22.52	Peak
6	14294.00	41.71	10.92	33.08	34.16	53.71	74.00	20.29	Peak

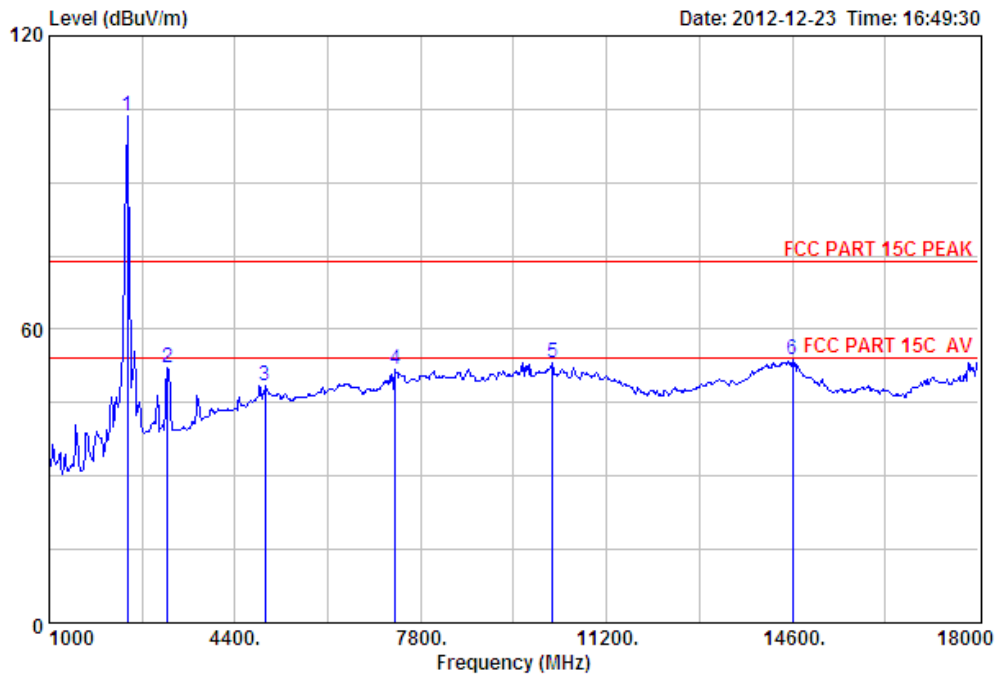
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 190
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.00	27.60	6.67	34.12	95.27	95.42	74.00	-21.42	Peak
2	3159.00	28.29	8.94	33.32	45.77	49.68	74.00	24.32	Peak
3	4927.00	31.45	12.29	31.95	41.32	53.11	74.00	20.89	Peak
4	7256.00	36.53	11.55	32.06	35.31	51.33	74.00	22.67	Peak
5	10163.00	38.39	11.50	32.08	34.86	52.67	74.00	21.33	Peak
6	14413.00	41.80	10.92	32.78	33.38	53.32	74.00	20.68	Peak

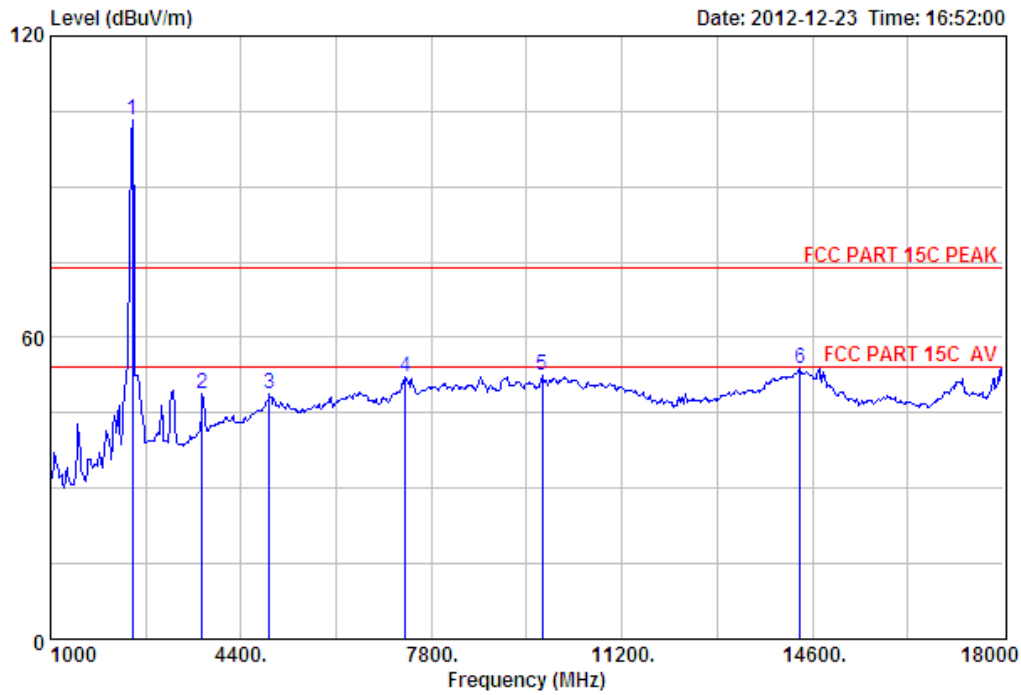
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 191
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 1)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2437.00	27.60	6.67	34.12	103.35	103.50	74.00	-29.50	Peak
2	3159.00	28.29	8.94	33.32	48.25	52.16	74.00	21.84	Peak
3	4944.00	31.47	12.37	31.96	36.48	48.36	74.00	25.64	Peak
4	7341.00	36.56	11.58	31.99	35.80	51.95	74.00	22.05	Peak
5	10214.00	38.48	11.47	32.17	35.20	52.98	74.00	21.02	Peak
6	14600.00	41.59	10.92	33.44	34.61	53.68	74.00	20.32	Peak

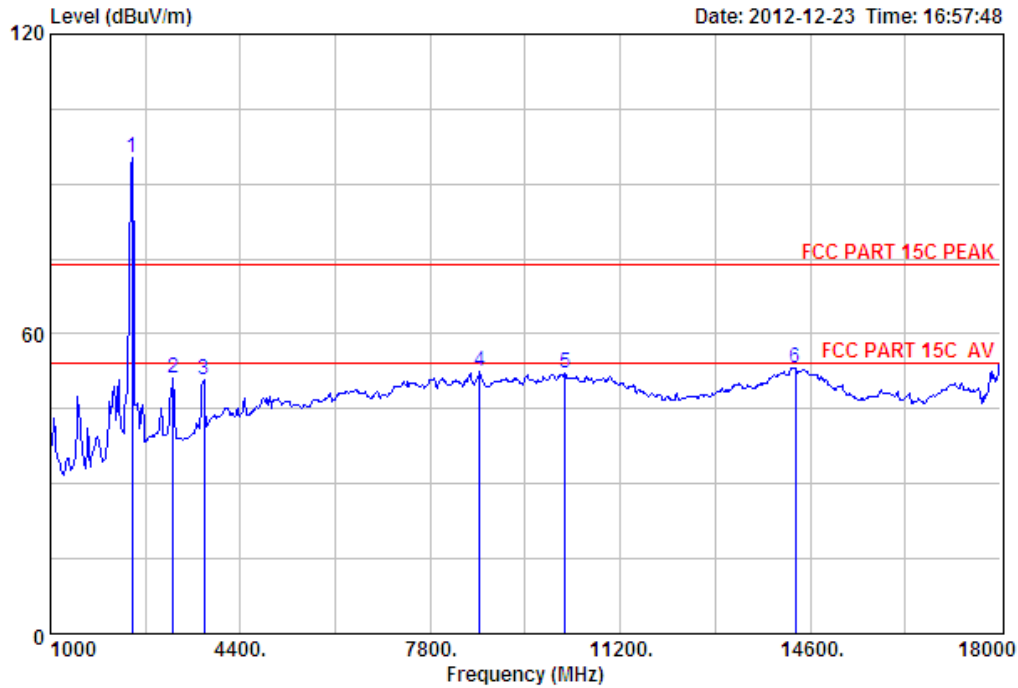
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 192
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2462.00	27.58	6.69	34.06	102.99	103.20	74.00	-29.20	Peak
2	3703.00	28.89	9.60	32.66	43.09	48.92	74.00	25.08	Peak
3	4910.00	31.42	12.22	31.93	37.11	48.82	74.00	25.18	Peak
4	7341.00	36.56	11.58	31.99	36.04	52.19	74.00	21.81	Peak
5	9772.00	38.16	11.64	31.86	34.60	52.54	74.00	21.46	Peak
6	14379.00	41.77	10.92	32.88	34.08	53.89	74.00	20.11	Peak

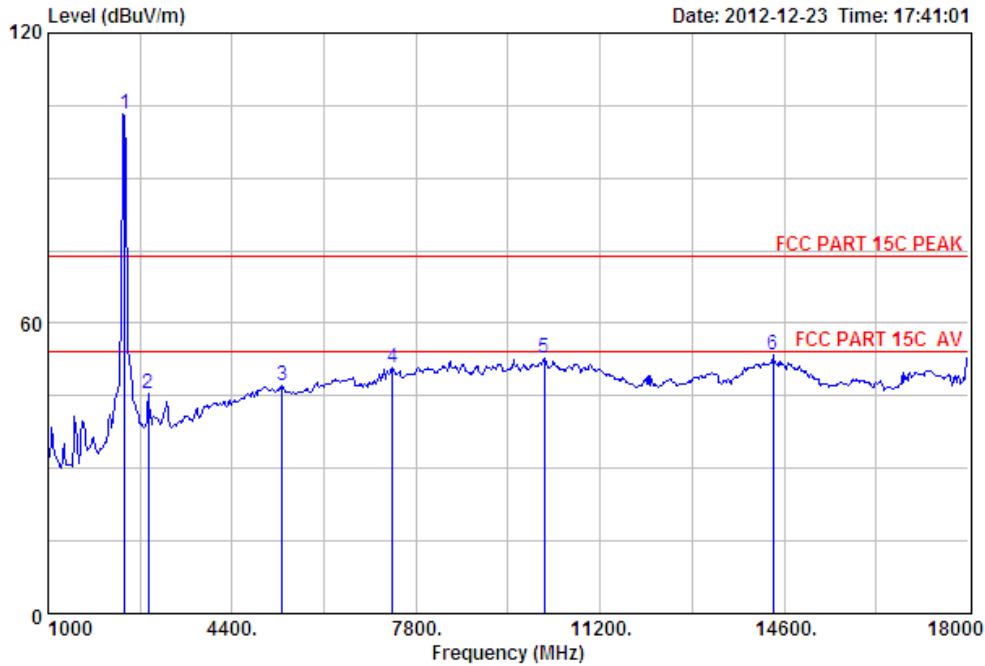
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 193
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX (ANT 1)

	Ant.	Cable	Amp		Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2462.00	27.58	6.69	34.06	94.95	95.16	74.00	-21.16	Peak
2	3193.00	28.23	8.91	33.26	47.31	51.19	74.00	22.81	Peak
3	3754.00	28.99	9.83	32.61	44.62	50.83	74.00	23.17	Peak
4	8684.00	37.32	11.45	32.43	36.03	52.37	74.00	21.63	Peak
5	10214.00	38.48	11.47	32.17	34.40	52.18	74.00	21.82	Peak
6	14328.00	41.74	10.92	32.98	33.50	53.18	74.00	20.82	Peak

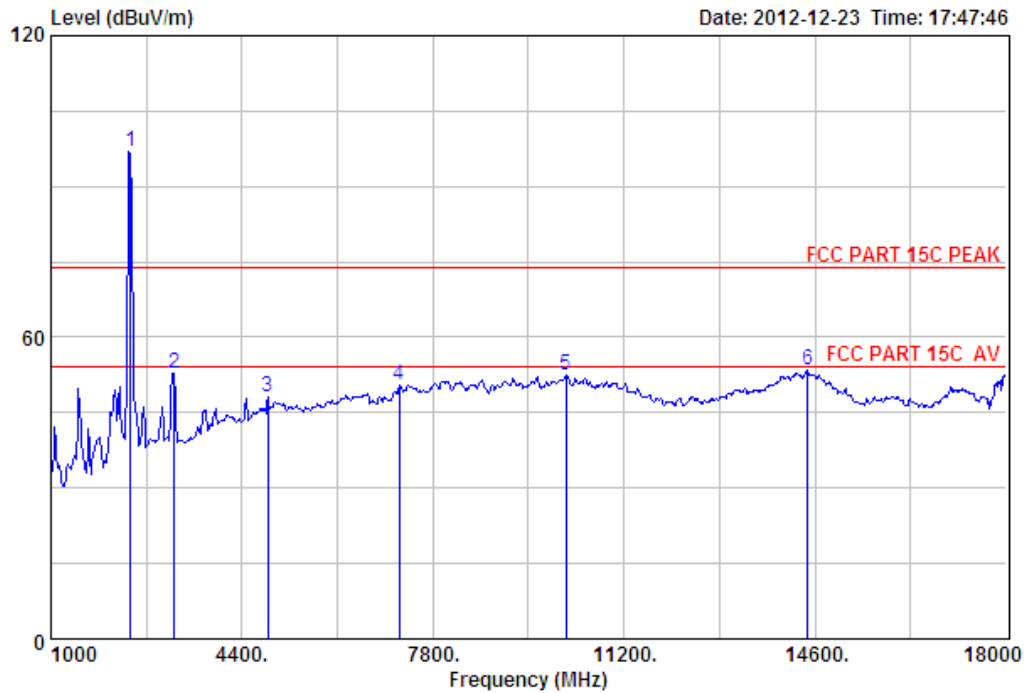
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 206
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2412.00	27.60	6.64	34.15	103.33	103.42	74.00	-29.42	Peak
2	2853.00	27.95	8.35	33.68	42.95	45.57	74.00	28.43	Peak
3	5318.00	31.71	12.21	32.27	35.37	47.02	74.00	26.98	Peak
4	7358.00	36.56	11.58	31.99	34.52	50.67	74.00	23.33	Peak
5	10163.00	38.39	11.50	32.08	35.13	52.94	74.00	21.06	Peak
6	14396.00	41.79	10.92	32.83	33.66	53.54	74.00	20.46	Peak

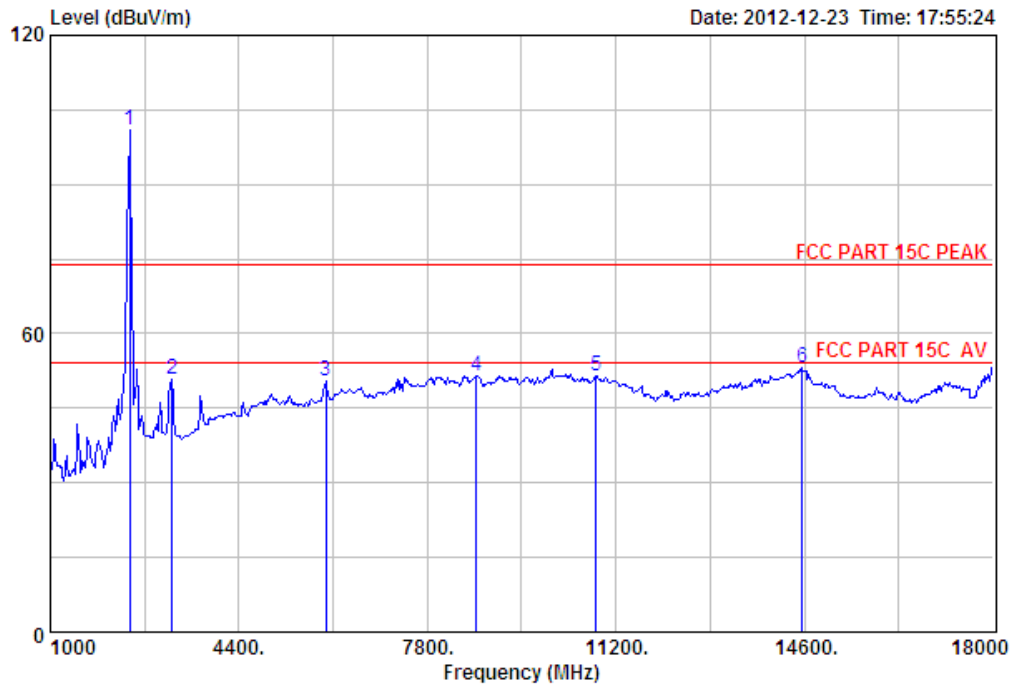
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 207
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2412.00	27.60	6.64	34.15	96.93	97.02	74.00	-23.02	Peak
2	3193.00	28.23	8.91	33.26	49.02	52.90	74.00	21.10	Peak
3	4859.00	31.34	11.99	31.88	36.66	48.11	74.00	25.89	Peak
4	7205.00	36.52	11.54	32.11	34.38	50.33	74.00	23.67	Peak
5	10163.00	38.39	11.50	32.08	34.58	52.39	74.00	21.61	Peak
6	14464.00	41.85	10.93	32.96	33.54	53.36	74.00	20.64	Peak

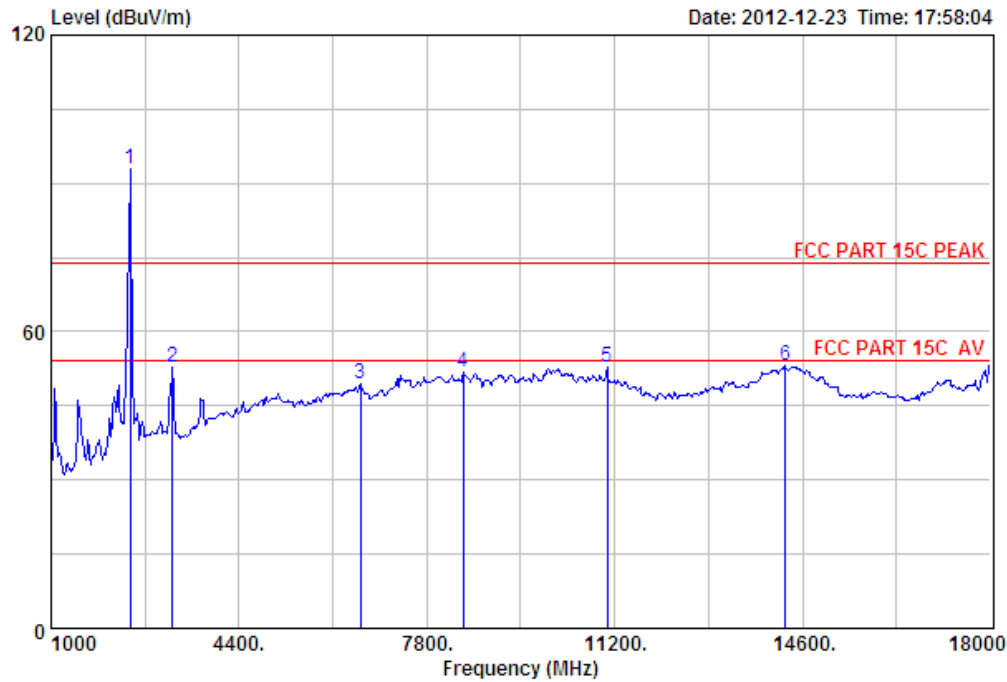
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 210
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.00	27.60	6.67	34.12	100.76	100.91	74.00	-26.91	Peak
2	3193.00	28.23	8.91	33.26	46.81	50.69	74.00	23.31	Peak
3	5964.00	32.70	12.11	32.28	38.05	50.58	74.00	23.42	Peak
4	8684.00	37.32	11.45	32.43	35.25	51.59	74.00	22.41	Peak
5	10843.00	39.35	11.30	33.36	34.27	51.56	74.00	22.44	Peak
6	14566.00	41.71	10.92	33.32	33.80	53.11	74.00	20.89	Peak

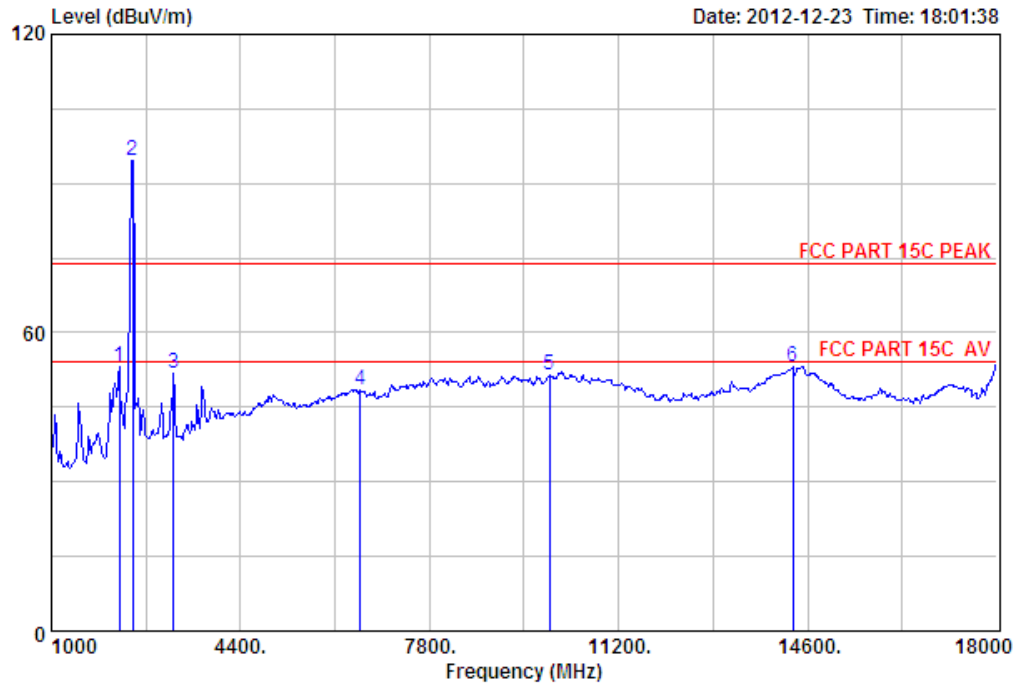
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 211
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX (ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.00	27.60	6.67	34.12	92.84	92.99	74.00	-18.99	Peak
2	3193.00	28.23	8.91	33.26	48.97	52.85	74.00	21.15	Peak
3	6593.00	34.46	12.10	32.17	35.18	49.57	74.00	24.43	Peak
4	8463.00	36.87	11.45	31.86	35.27	51.73	74.00	22.27	Peak
5	11064.00	39.48	11.24	33.78	35.73	52.67	74.00	21.33	Peak
6	14294.00	41.71	10.92	33.08	33.57	53.12	74.00	20.88	Peak

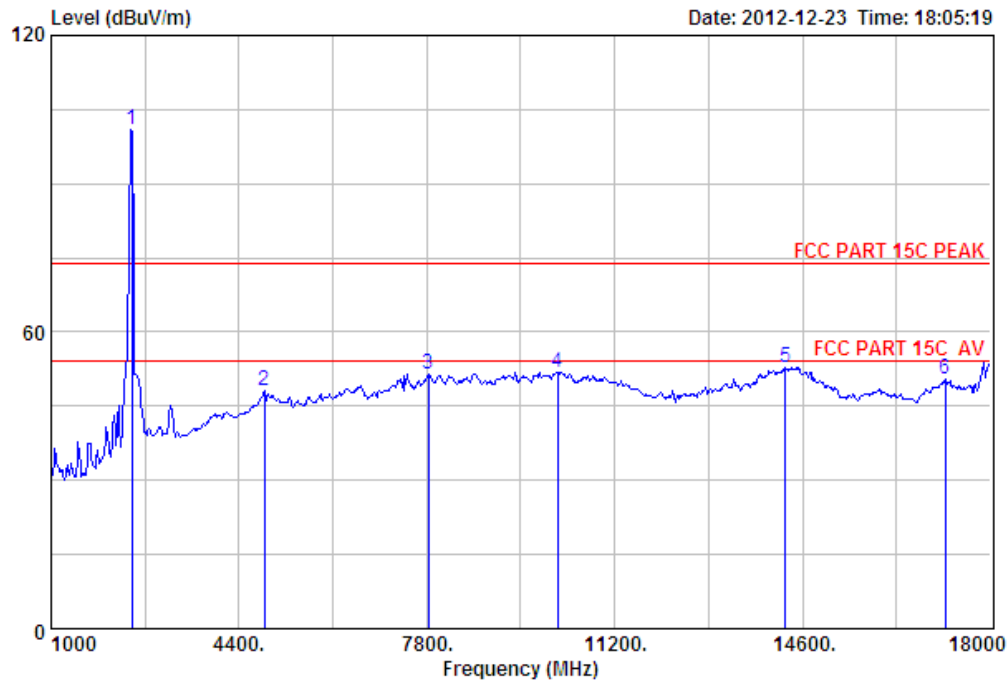
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 212
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX (ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2224.00	27.81	6.43	34.30	53.21	53.15	74.00	20.85	Peak
2	2462.00	27.58	6.69	34.06	94.50	94.71	74.00	-20.71	Peak
3	3193.00	28.23	8.91	33.26	48.09	51.97	74.00	22.03	Peak
4	6559.00	34.37	12.15	32.11	34.09	48.50	74.00	25.50	Peak
5	9959.00	38.13	11.60	31.77	33.39	51.35	74.00	22.65	Peak
6	14328.00	41.74	10.92	32.98	33.47	53.15	74.00	20.85	Peak

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

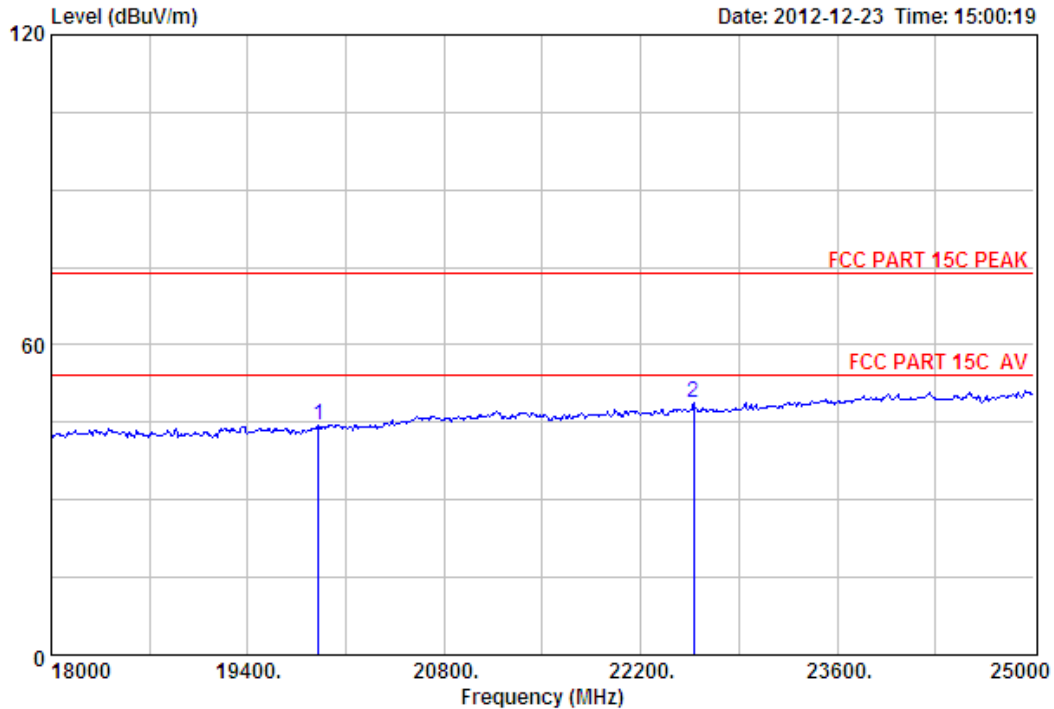


Site no. : 3m Chamber Data no. : 213
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.06	100.71	100.92	74.00	-26.92	Peak
2	4859.00	31.34	11.99	31.88	36.74	48.19	74.00	25.81	Peak
3	7834.00	36.68	11.47	31.40	34.84	51.59	74.00	22.41	Peak
4	10163.00	38.39	11.50	32.08	34.15	51.96	74.00	22.04	Peak
5	14294.00	41.71	10.92	33.08	33.30	52.85	74.00	21.15	Peak
6	17184.00	40.45	10.92	33.34	32.53	50.56	74.00	23.44	Peak

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

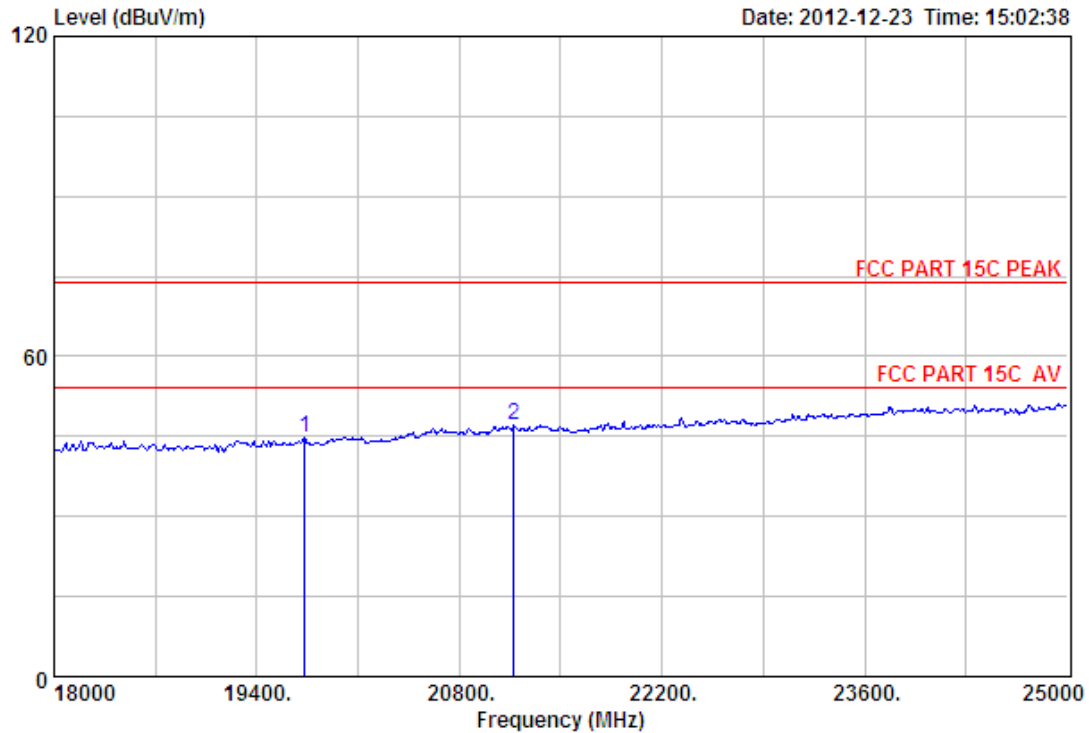
18000-25000 MHz



Site no. : 3m Chamber Data no. : 152
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX (ANT 1)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19904.00	46.07	19.58	36.62	15.32	44.35	74.00	29.65	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

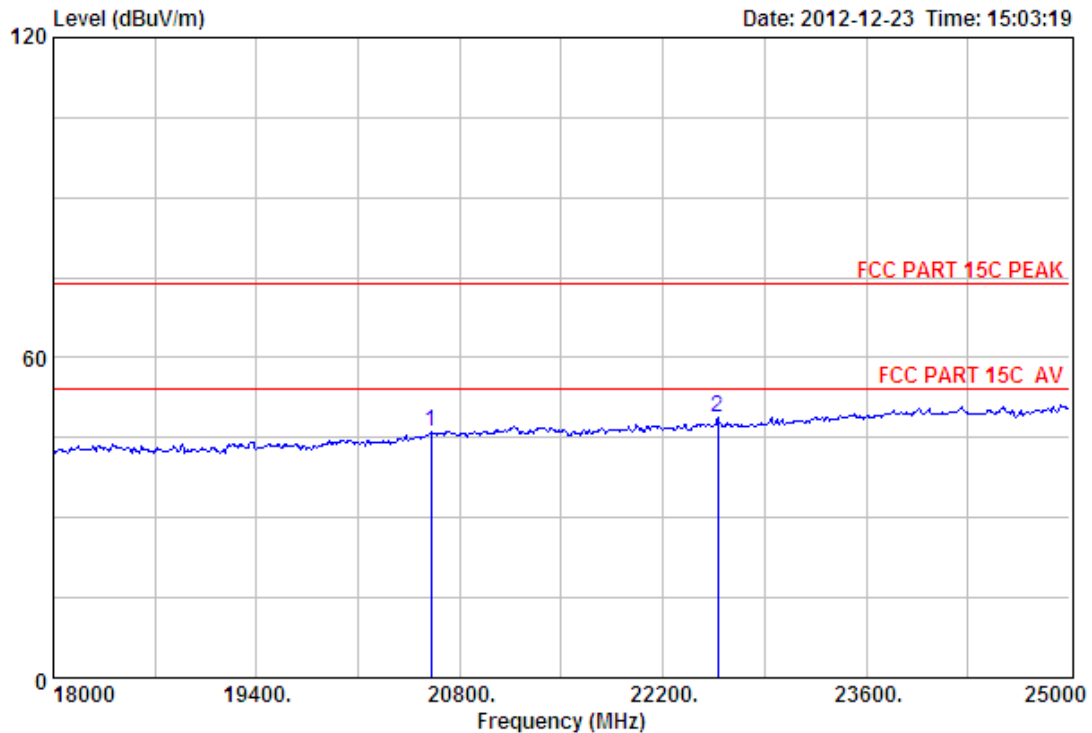
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 153
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19729.00	0.00	19.37	36.47	61.90	44.80	74.00	29.20	Peak
2	21178.00	0.00	20.21	35.64	62.54	47.11	74.00	26.89	Peak

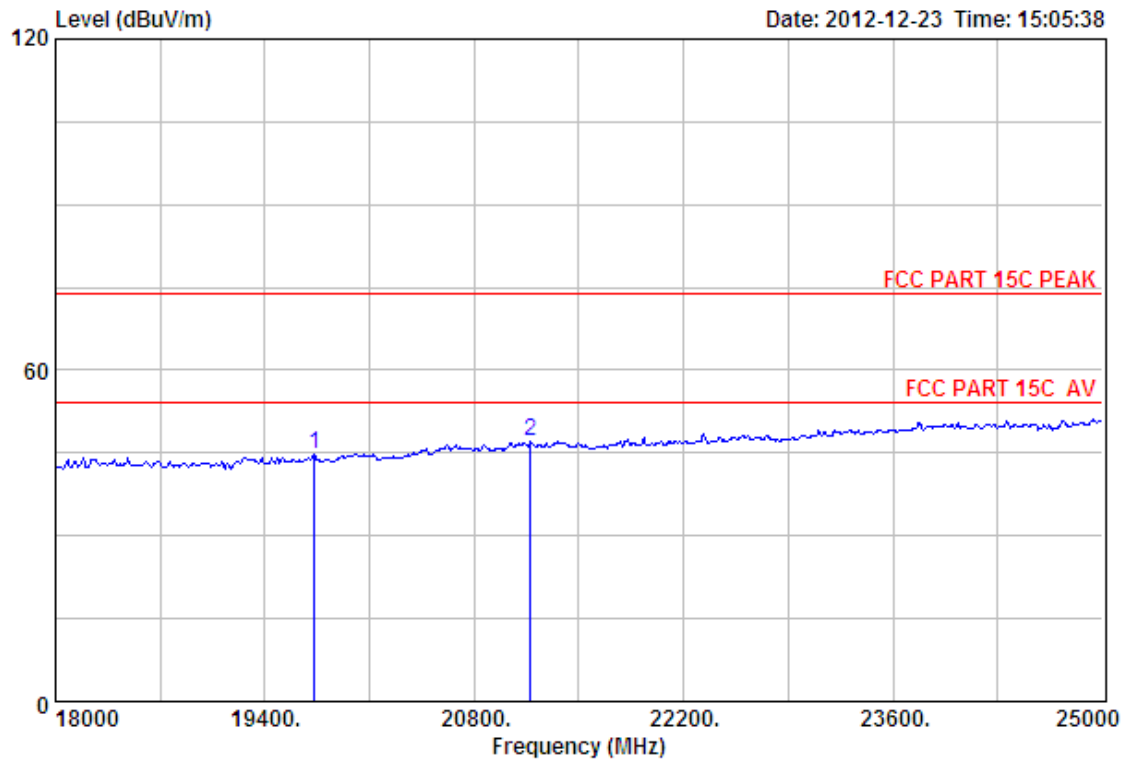
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 154
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX (ANT 1)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	20604.00	46.05	19.95	36.16	16.25	46.09	74.00	27.91	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

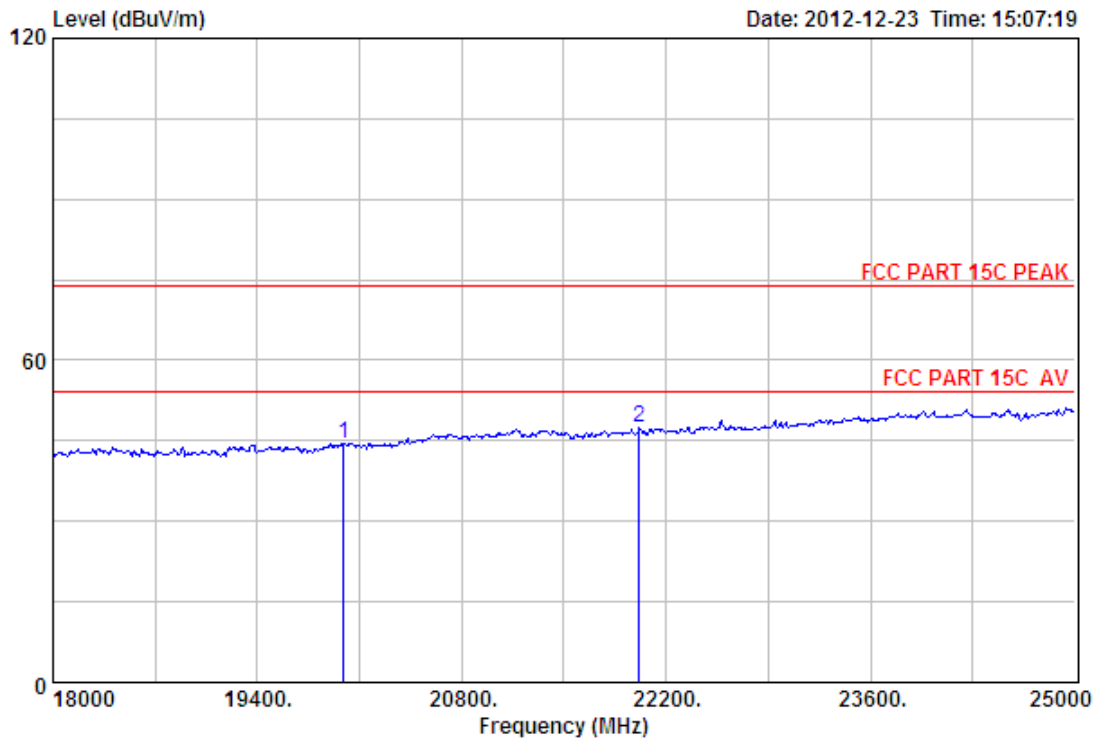
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 155
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19729.00	0.00	19.37	36.47	61.90	44.80	74.00	29.20	Peak
2	21178.00	0.00	20.21	35.64	62.54	47.11	74.00	26.89	Peak

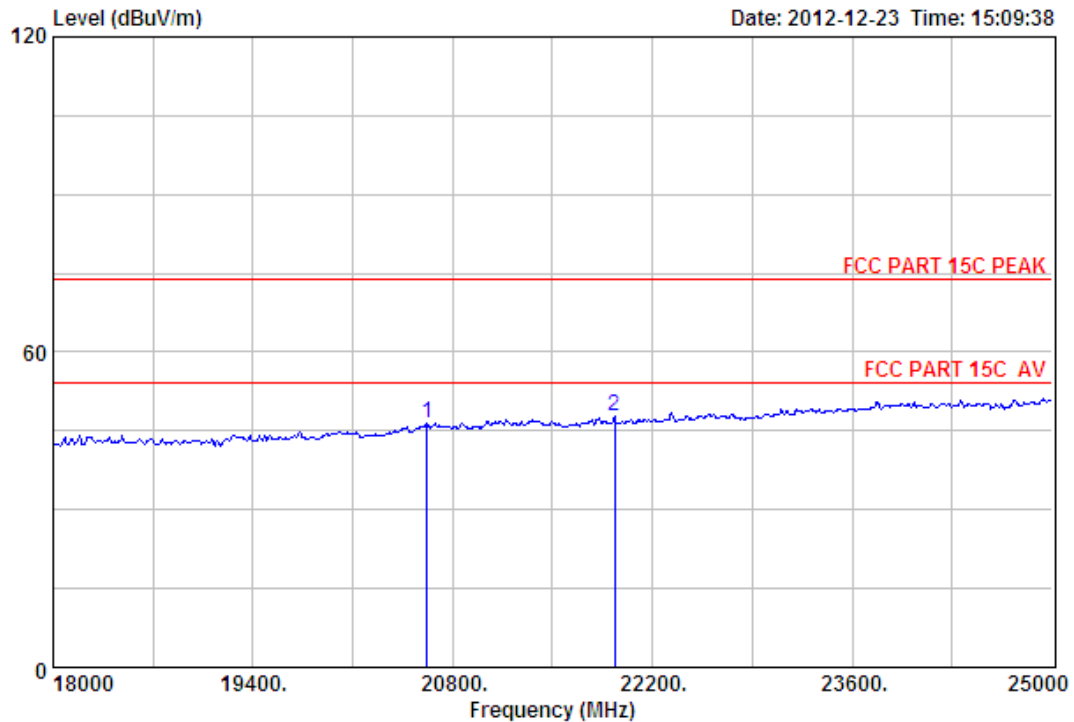
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 156
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19988.00	46.09	19.67	36.70	15.56	44.62	74.00	29.38	Peak
2	22018.00	45.70	20.57	34.87	15.90	47.30	74.00	26.70	Peak

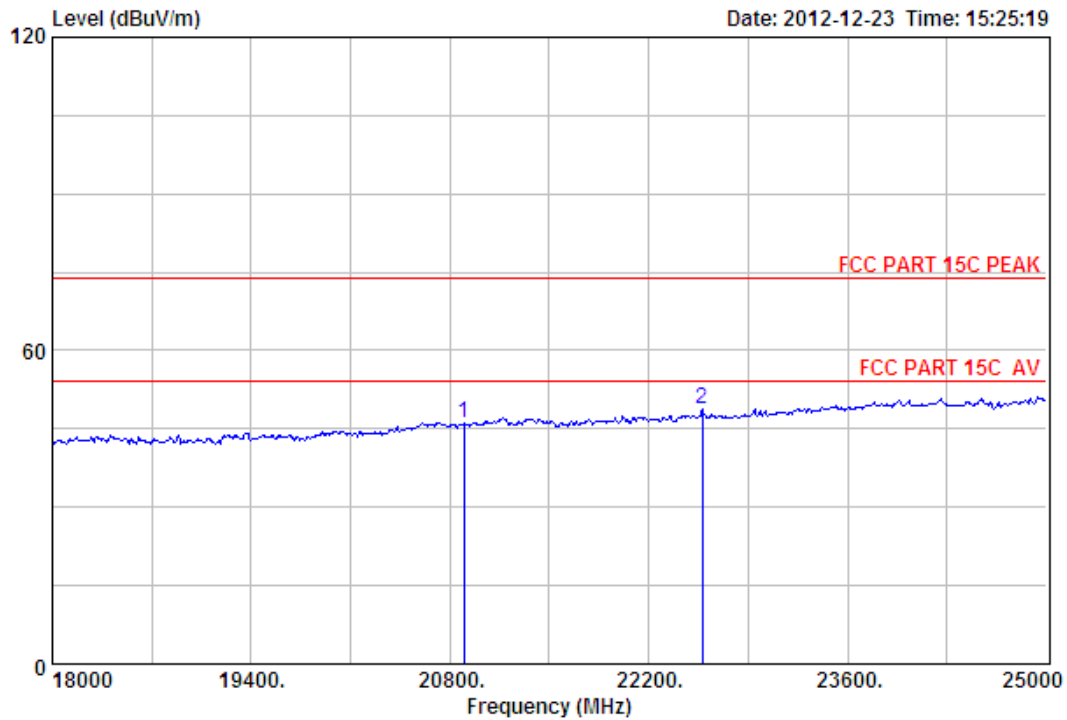
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 157
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	20618.00	0.00	19.96	36.14	62.69	46.51	74.00	27.49	Peak
2	21934.00	0.00	20.53	34.97	62.32	47.88	74.00	26.12	Peak

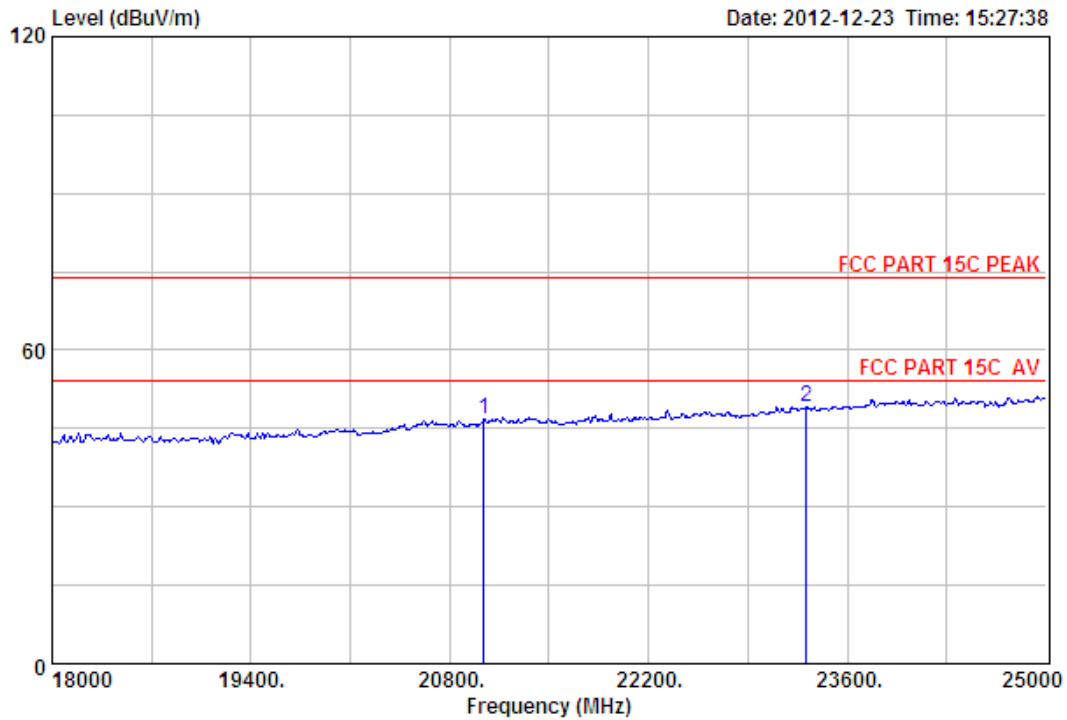
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 164
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX (ANT 2)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Level (dBuV/m)				
1 20898.00	46.25	20.09	35.89	15.66	46.11		74.00	27.89	Peak
2 22578.00	45.77	20.90	34.30	16.38	48.75		74.00	25.25	Peak

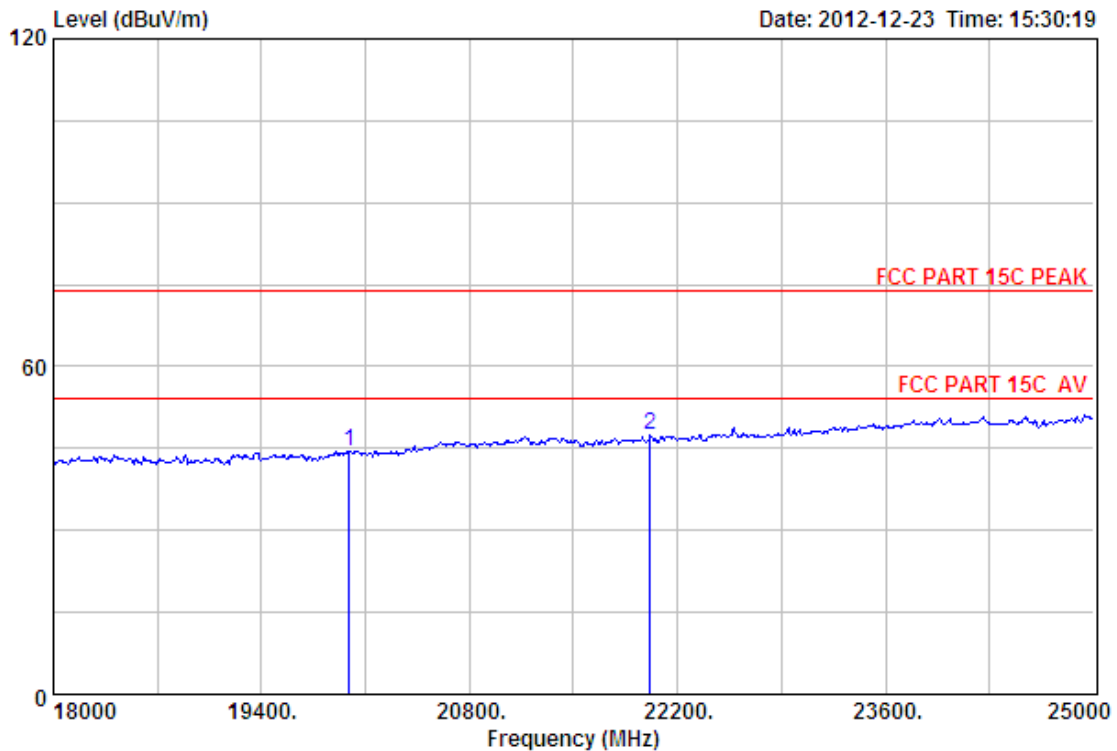
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 165
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Level (dBuV/m)				
1 21038.00	0.00	20.15	35.76	62.46	46.85		74.00	27.15	Peak
2 23313.00	0.00	21.43	33.51	61.30	49.22		74.00	24.78	Peak

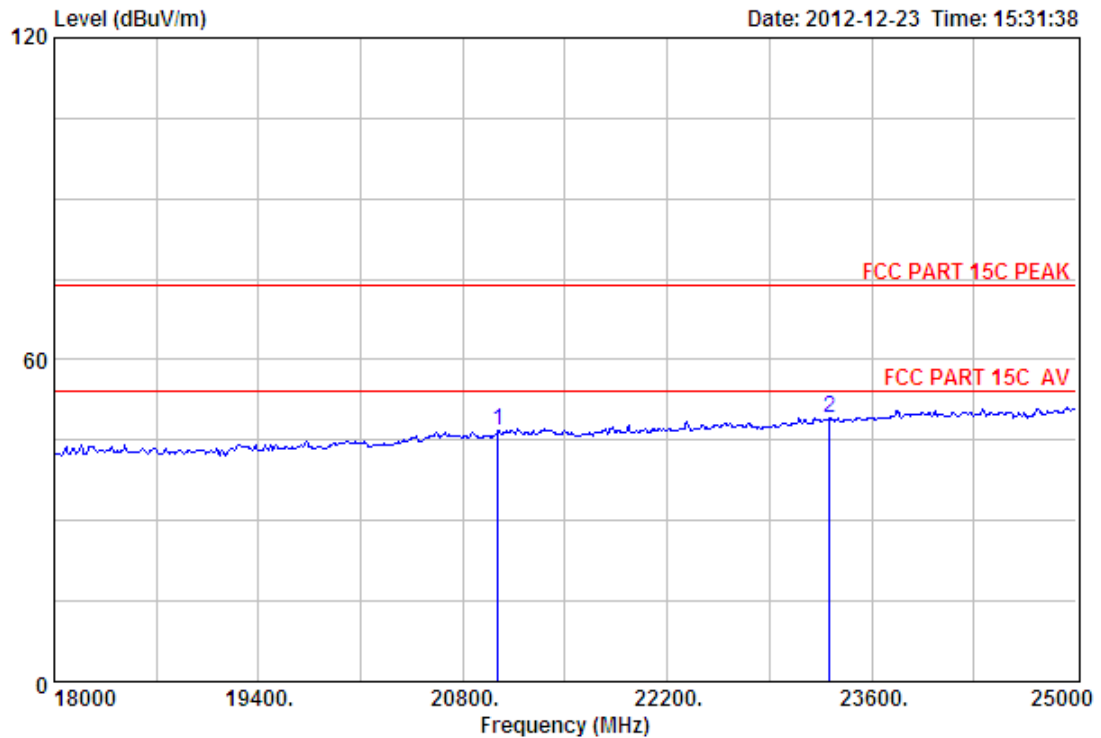
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 166
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19988.00	46.09	19.67	36.70	15.56	44.62	74.00	29.38	Peak
2	22018.00	45.70	20.57	34.87	15.90	47.30	74.00	26.70	Peak

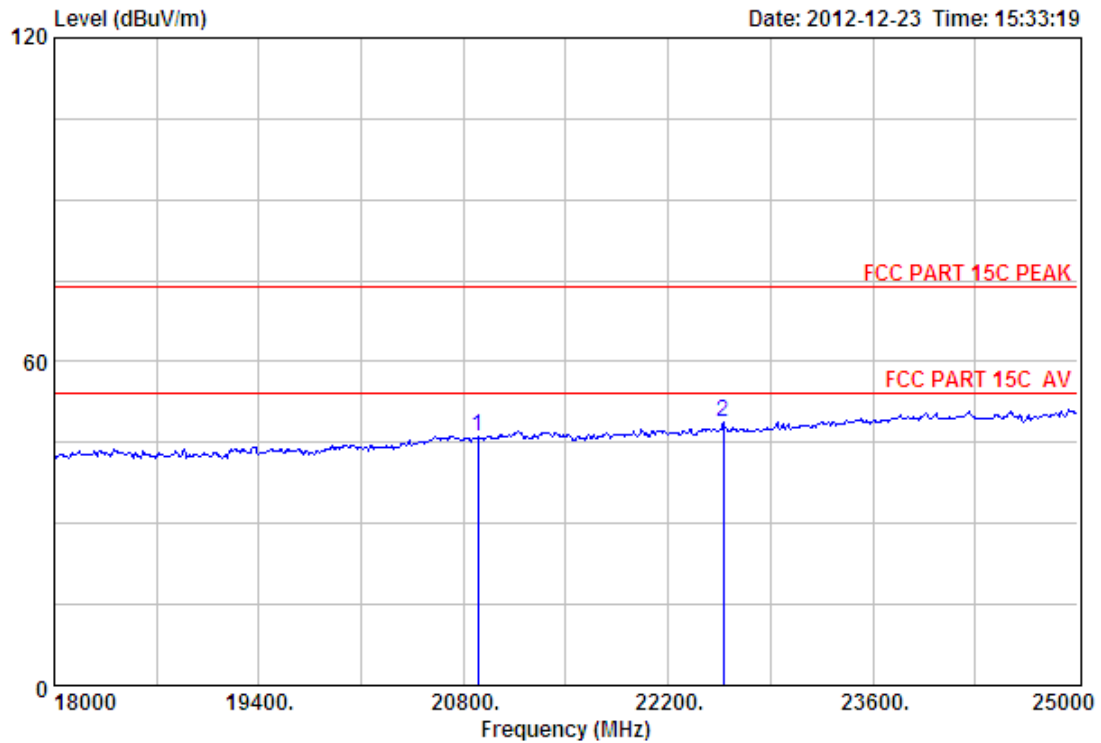
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 167
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	21038.00	0.00	20.15	35.76	62.46	46.85	74.00	27.15	Peak
2	23313.00	0.00	21.43	33.51	61.30	49.22	74.00	24.78	Peak

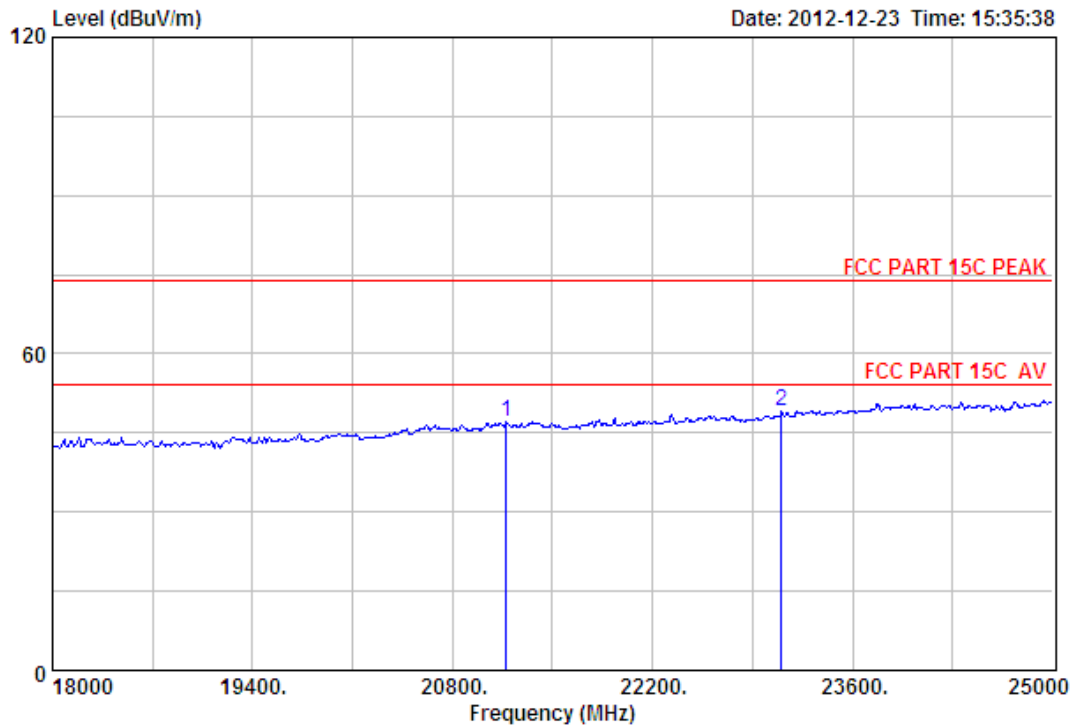
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 168
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	20898.00	46.25	20.09	35.89	15.66	46.11	74.00	27.89	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

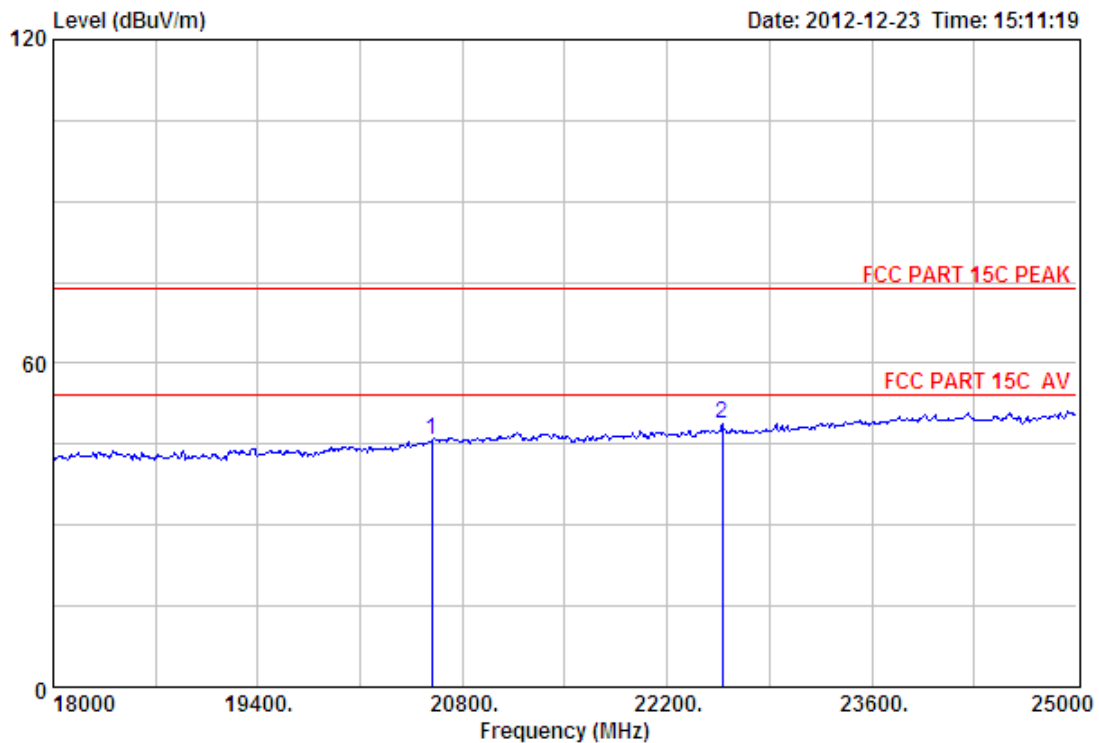
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 169
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	21178.00	0.00	20.21	35.64	62.54	47.11	74.00	26.89	Peak
2	23103.00	0.00	21.24	33.74	61.58	49.08	74.00	24.92	Peak

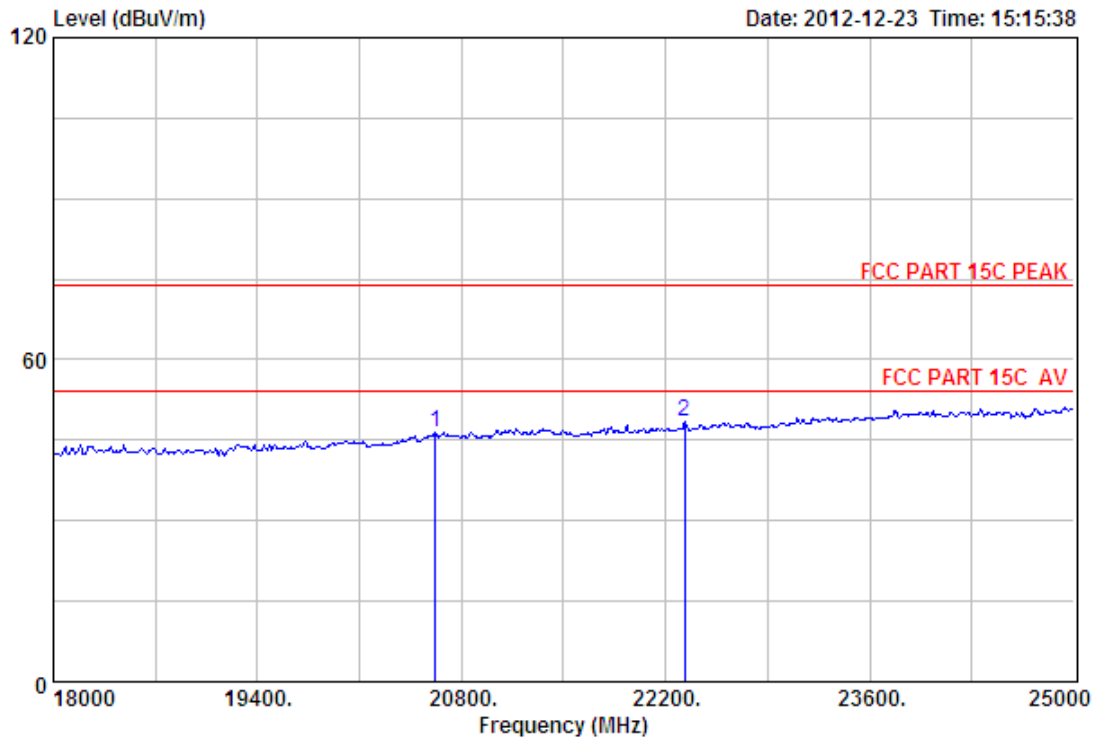
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 158
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 1)

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1	20590.00	46.05	19.95	36.16	15.94	45.78	74.00	28.22	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

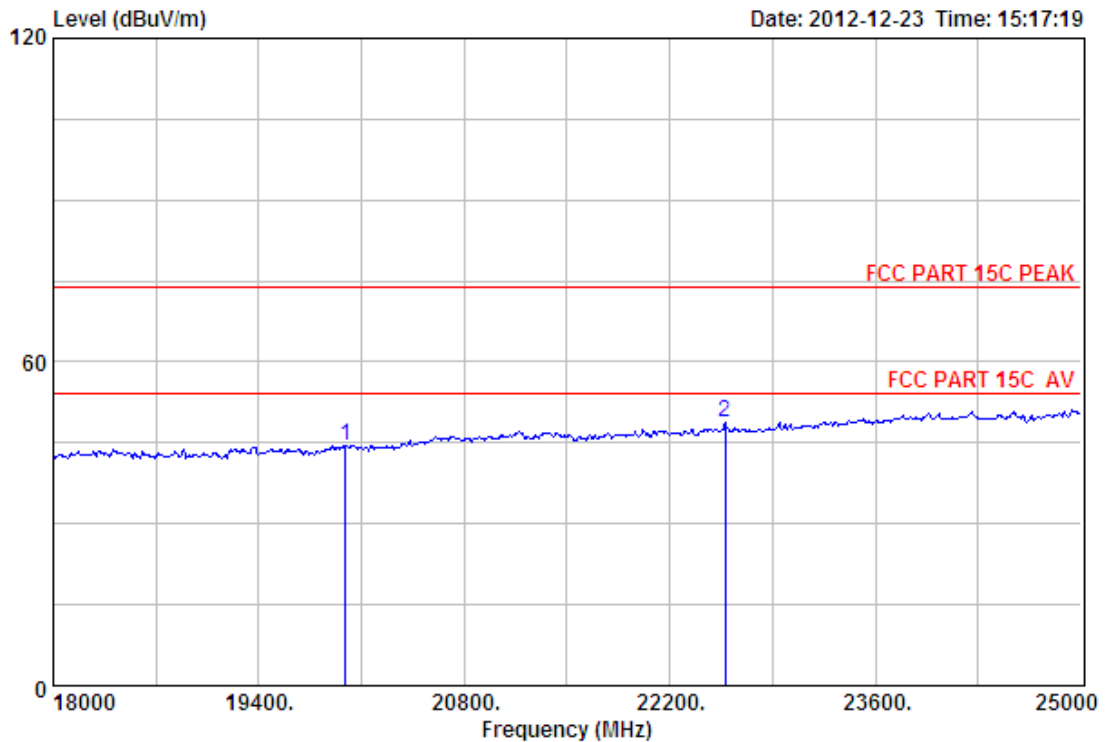
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 159
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	20618.00	0.00	19.96	36.14	62.69	46.51	74.00	27.49	Peak
2	22333.00	0.00	20.75	34.56	62.18	48.37	74.00	25.63	Peak

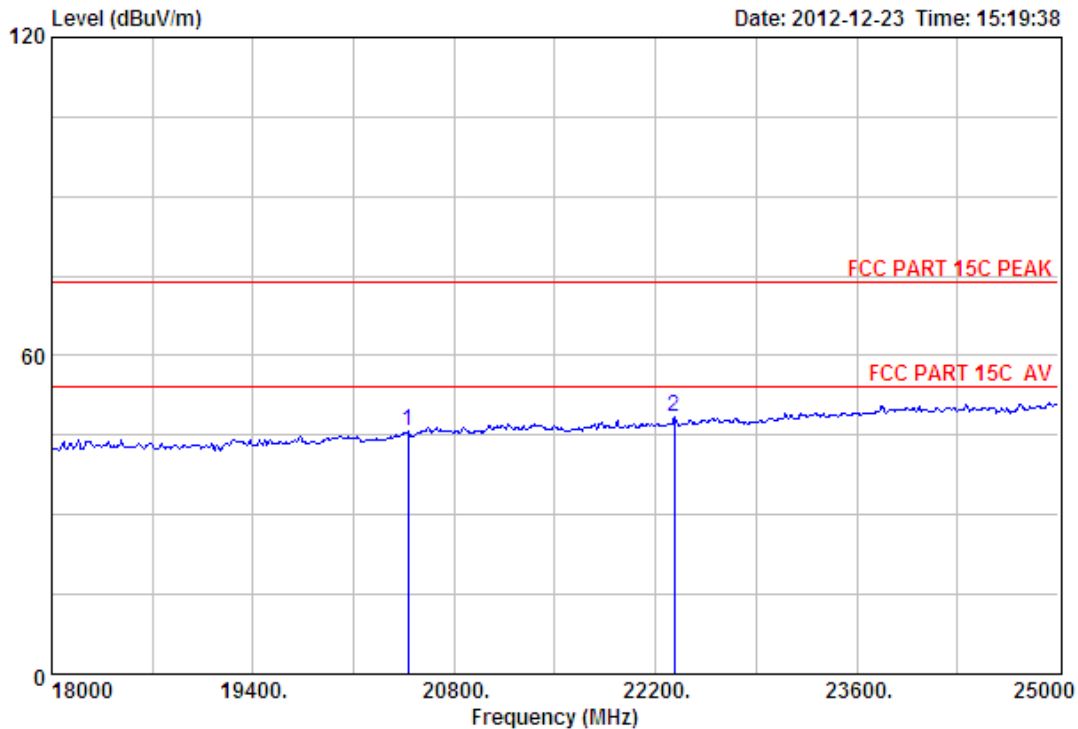
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 160
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19988.00	46.09	19.67	36.70	15.56	44.62	74.00	29.38	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

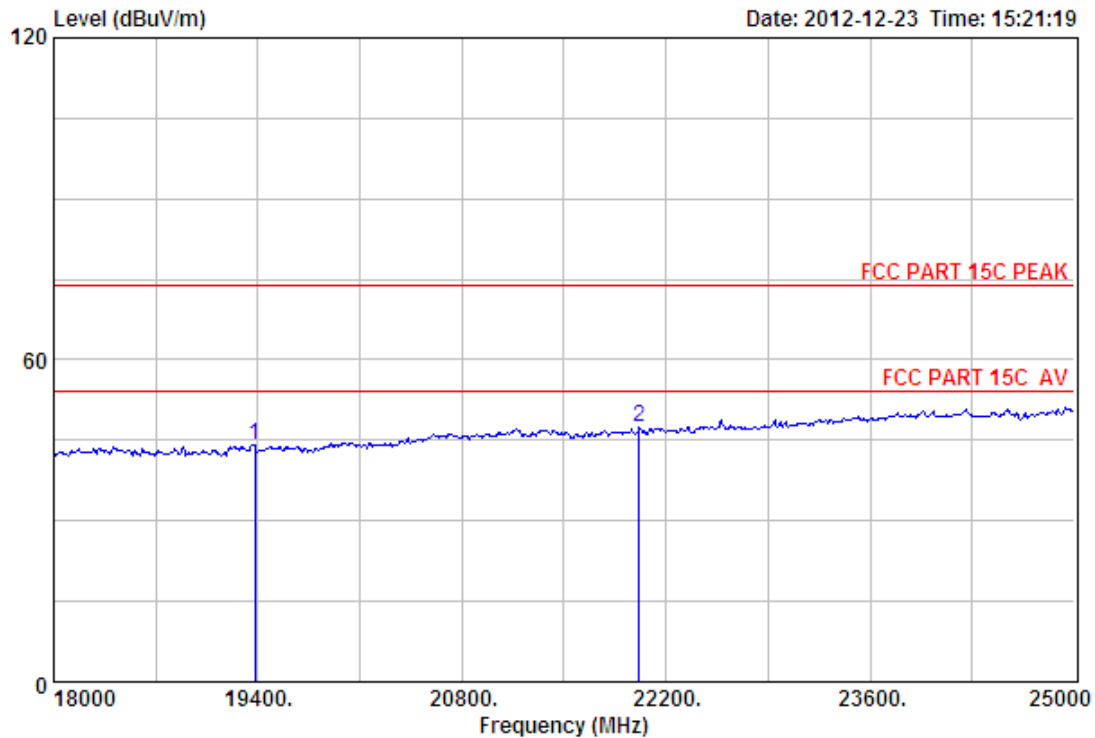
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 161
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX (ANT 1)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	20478.00	0.00	19.89	36.27	62.11	45.73	74.00	28.27	Peak
2	22333.00	0.00	20.75	34.56	62.18	48.37	74.00	25.63	Peak

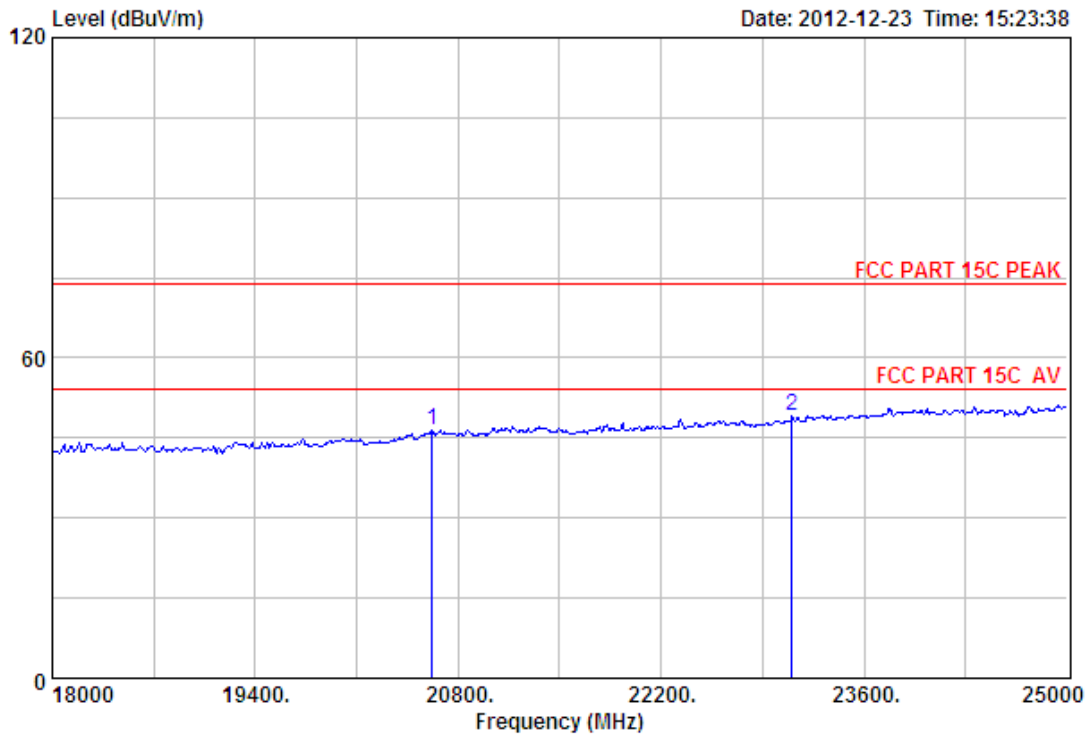
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 162
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX (ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19379.00	45.79	18.97	36.17	15.69	44.28	74.00	29.72	Peak
2	22018.00	45.70	20.57	34.87	15.90	47.30	74.00	26.70	Peak

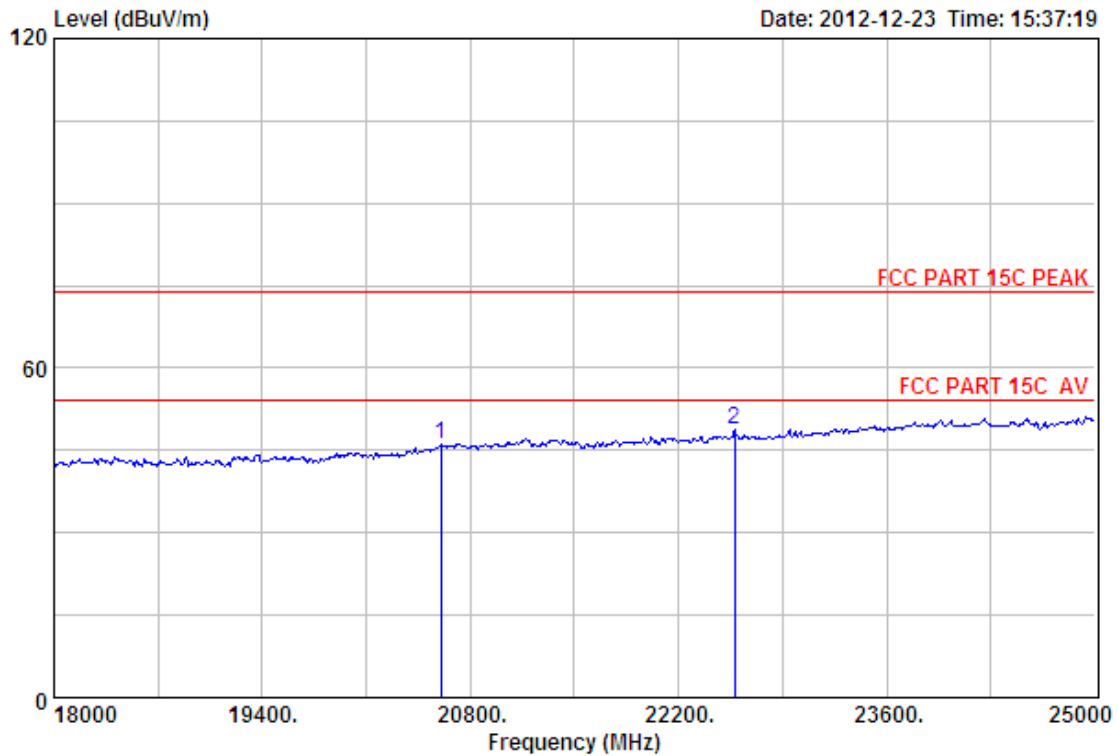
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 163
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	20618.00	0.00	19.96	36.14	62.69	46.51	74.00	27.49	Peak
2	23103.00	0.00	21.24	33.74	61.58	49.08	74.00	24.92	Peak

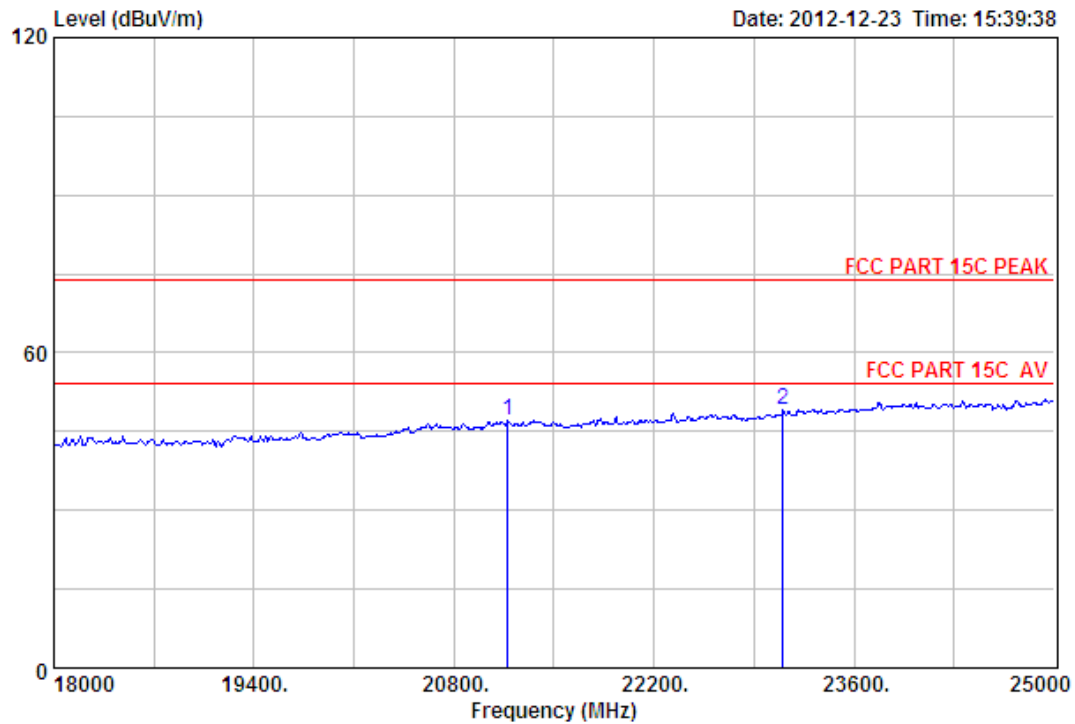
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 170
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 2)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Level (dBuV/m)				
1 20604.00	46.05	19.95	36.16	16.25	46.09		74.00	27.91	Peak
2 22578.00	45.77	20.90	34.30	16.38	48.75		74.00	25.25	Peak

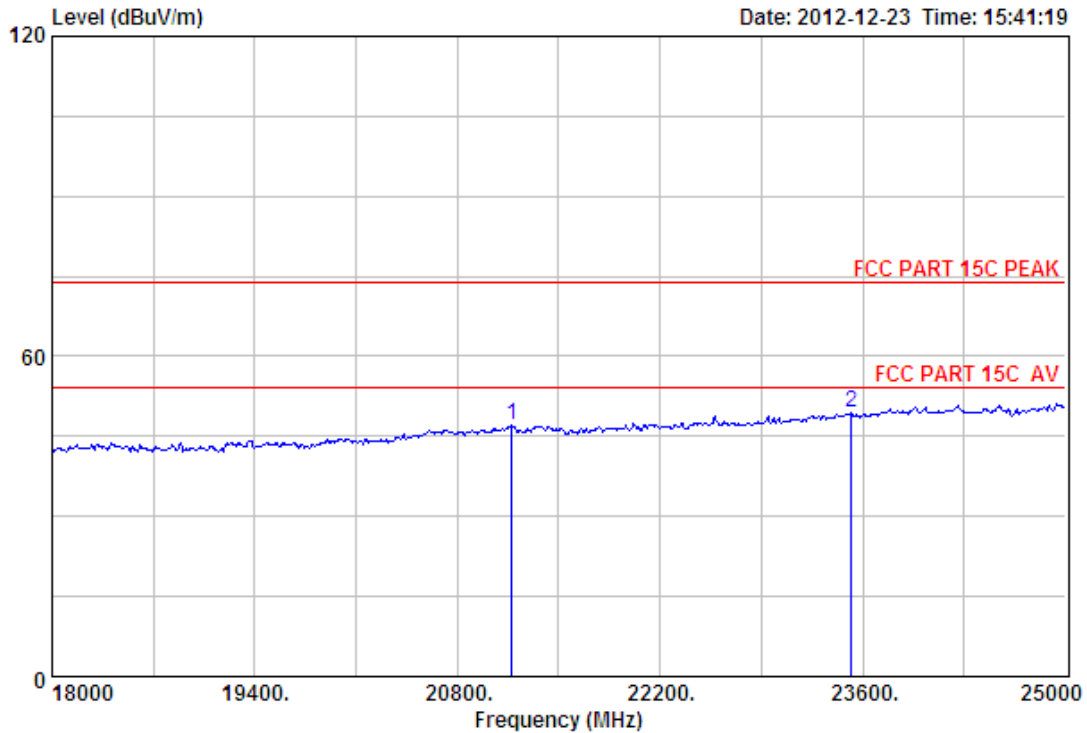
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 171
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	21178.00	0.00	20.21	35.64	62.54	47.11	74.00	26.89	Peak
2	23103.00	0.00	21.24	33.74	61.58	49.08	74.00	24.92	Peak

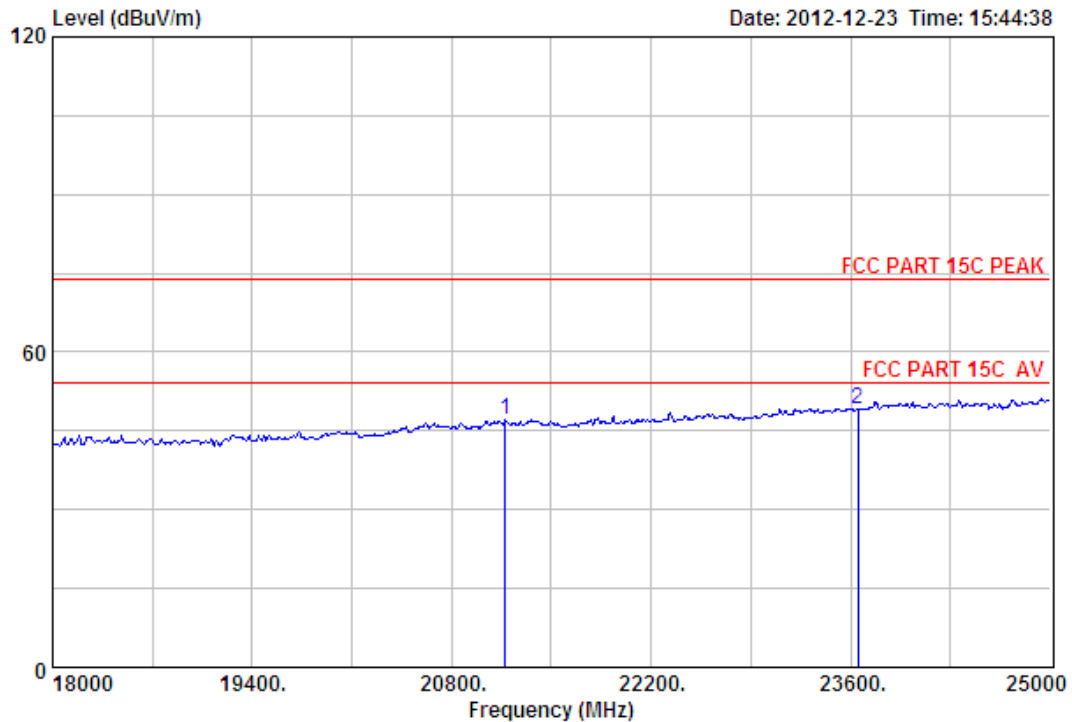
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 172
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 2)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 21178.00	46.20	20.21	35.64	16.40	47.17	74.00	26.83		Peak
2 23523.00	45.70	21.62	33.30	15.30	49.32	74.00	24.68		Peak

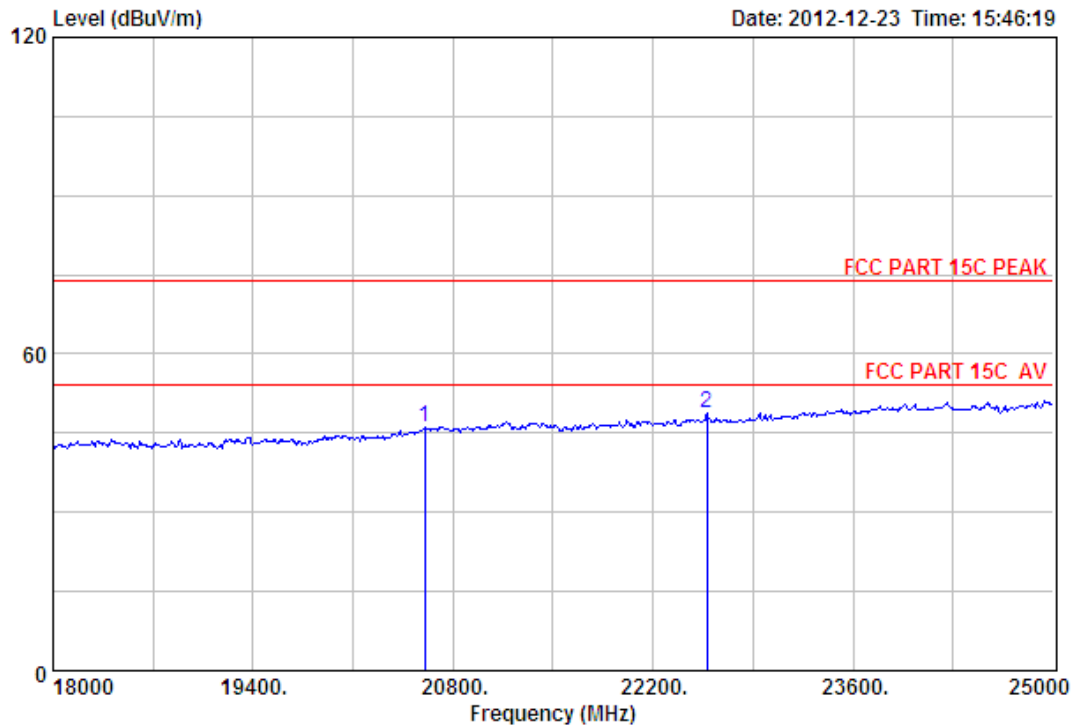
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 173
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH6 2437TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	21178.00	0.00	20.21	35.64	62.54	47.11	74.00	26.89	Peak
2	23649.00	0.00	21.73	33.17	60.71	49.27	74.00	24.73	Peak

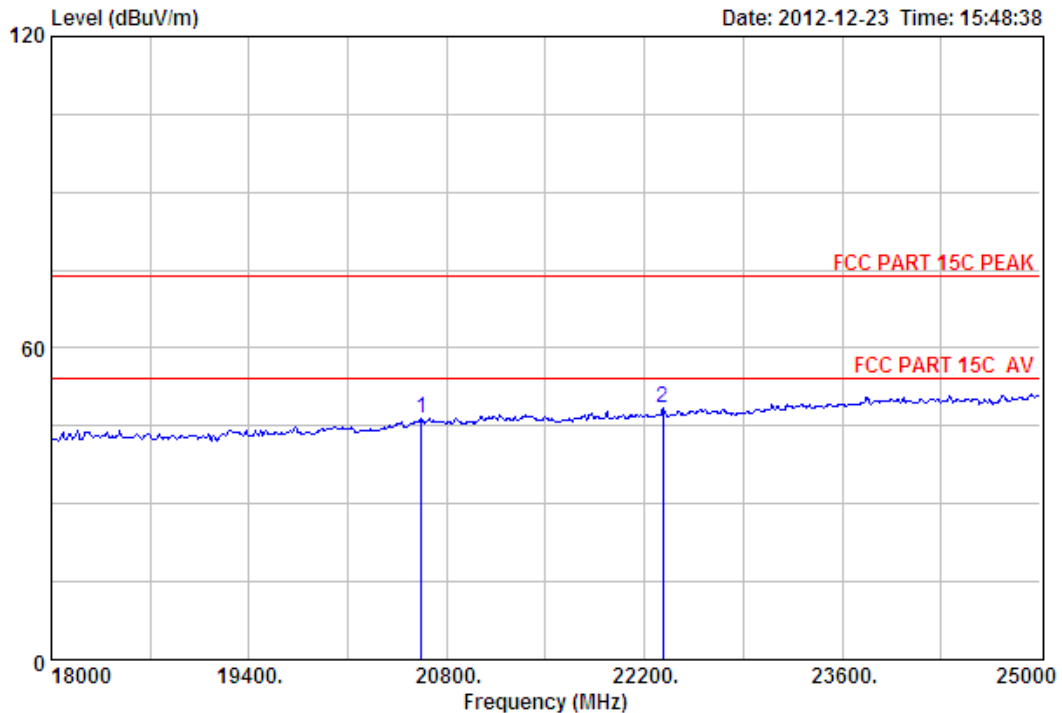
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 174
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	20604.00	46.05	19.95	36.16	16.25	46.09	74.00	27.91	Peak
2	22578.00	45.77	20.90	34.30	16.38	48.75	74.00	25.25	Peak

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



Site no. : 3m Chamber Data no. : 175
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant.	Cable	Amp	Emission				Remark
		Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	20618.00	0.00	19.96	36.14	62.69	46.51	74.00	27.49	Peak
2	22333.00	0.00	20.75	34.56	62.18	48.37	74.00	25.63	Peak

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

5. CONDUCTED SPURIOUS EMISSION

5.1. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

5.2. Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

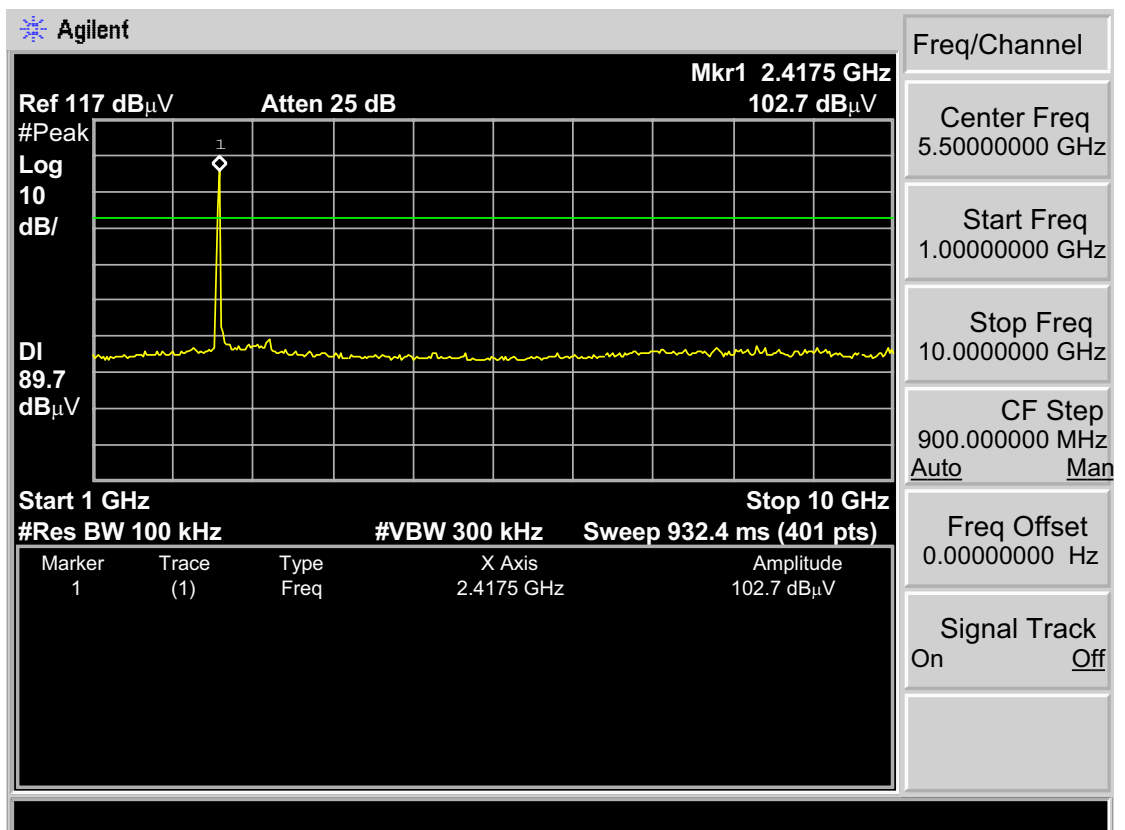
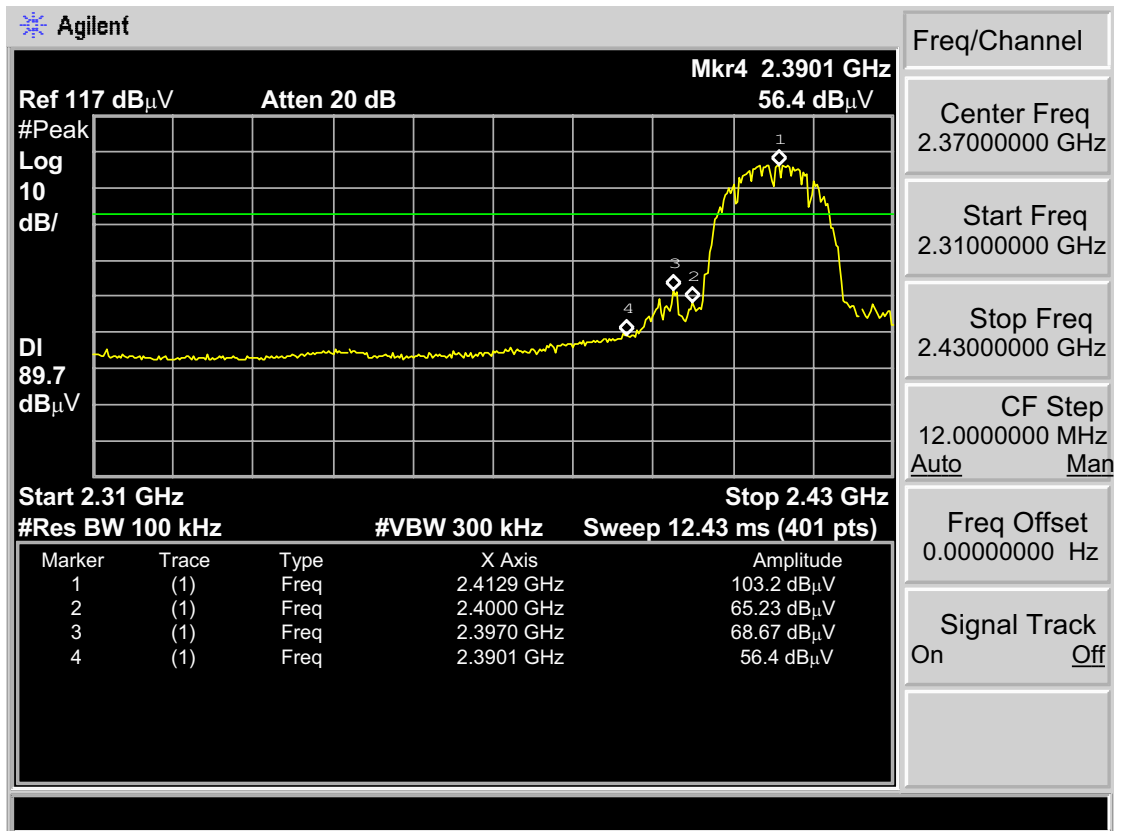
5.3. Test Result

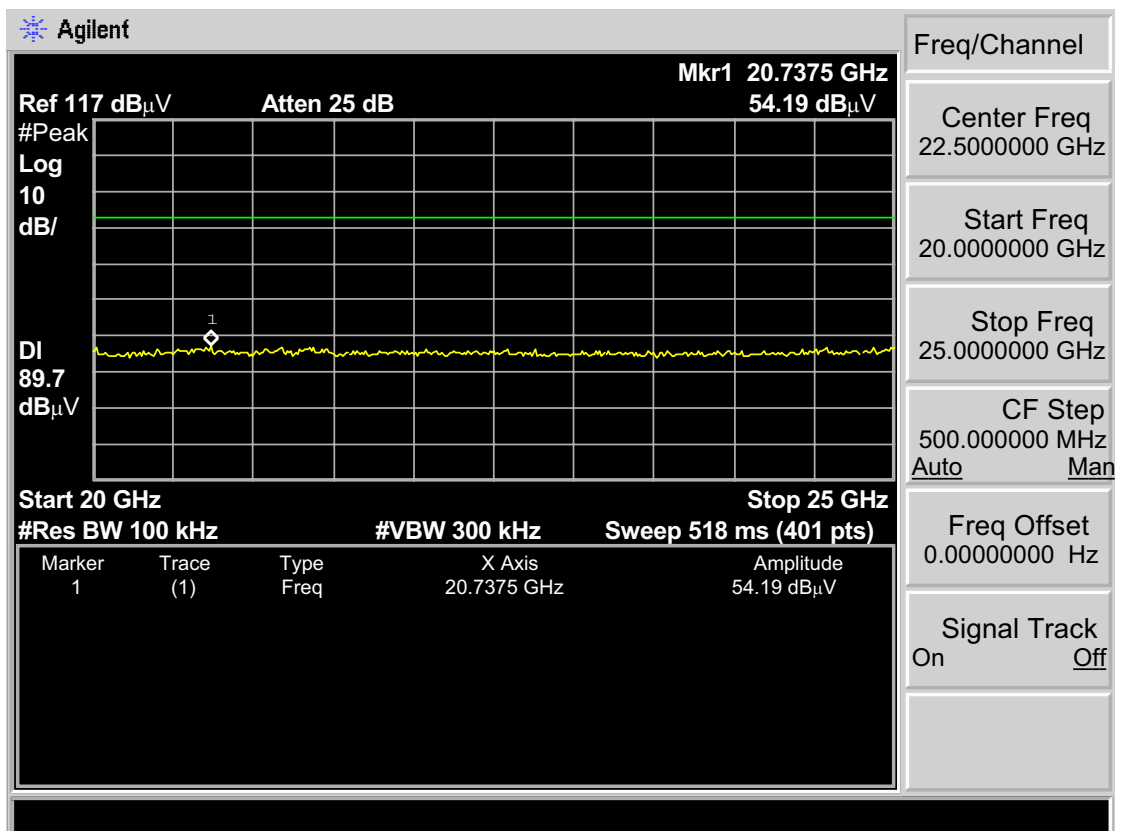
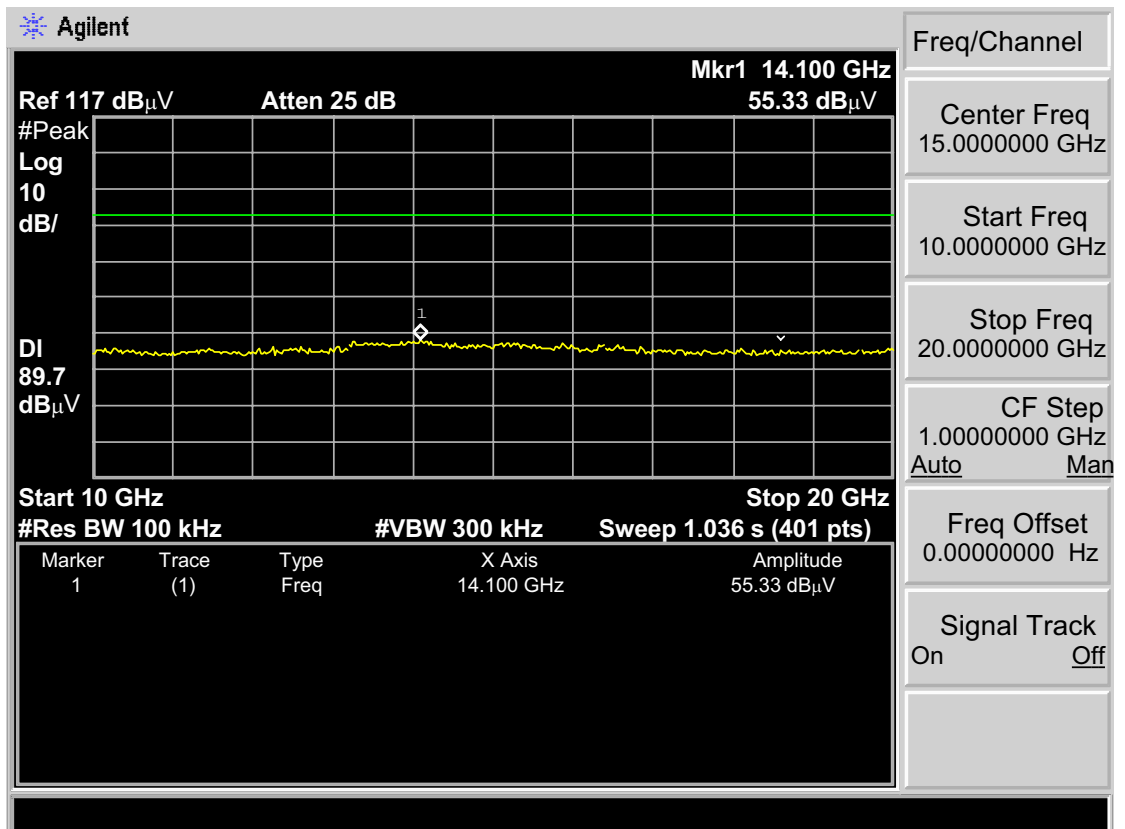
PASS (The testing data was attached in the next pages.)

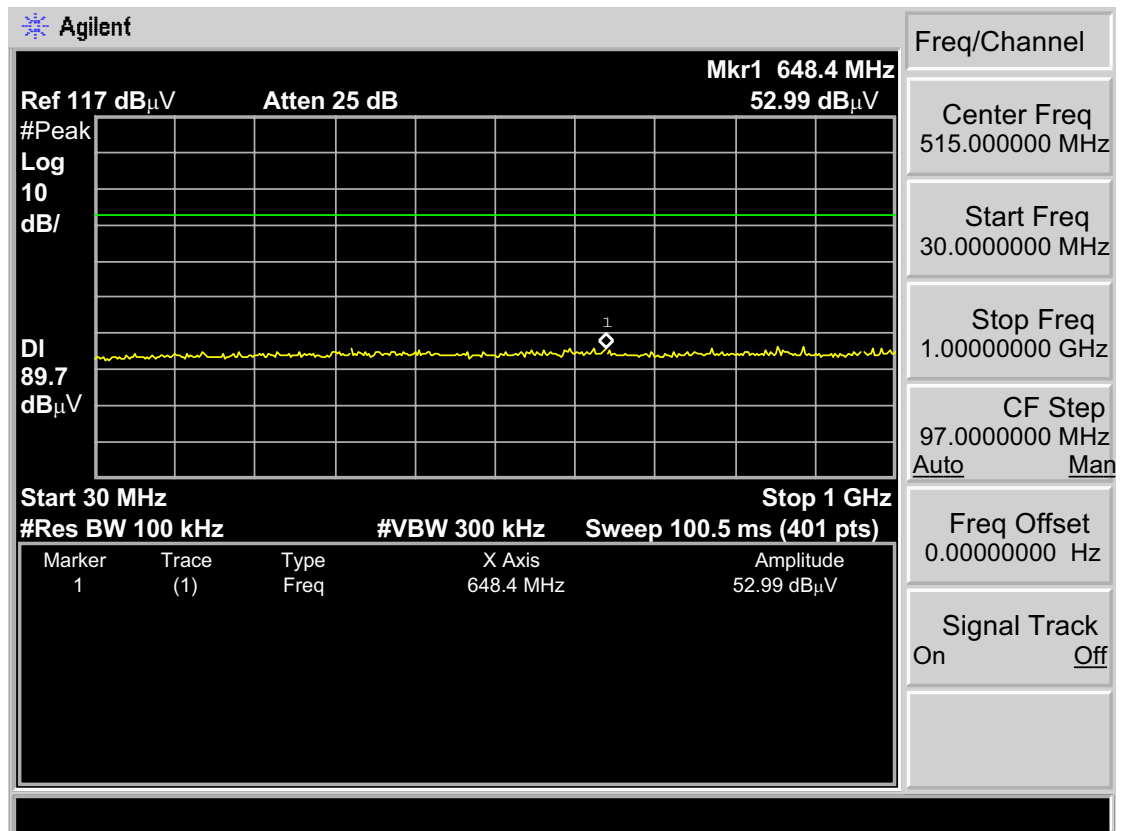
5.4. Test Data

Test Mode: IEEE 802.11b TX (Ant 1)

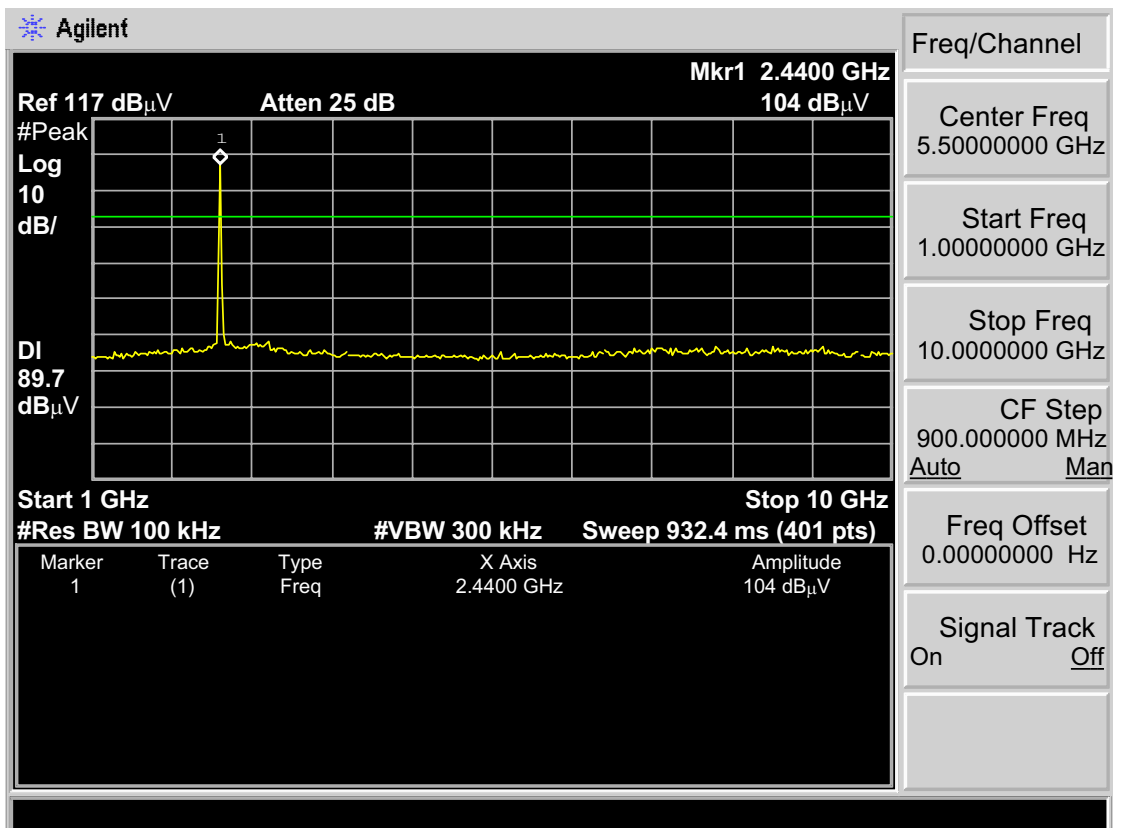
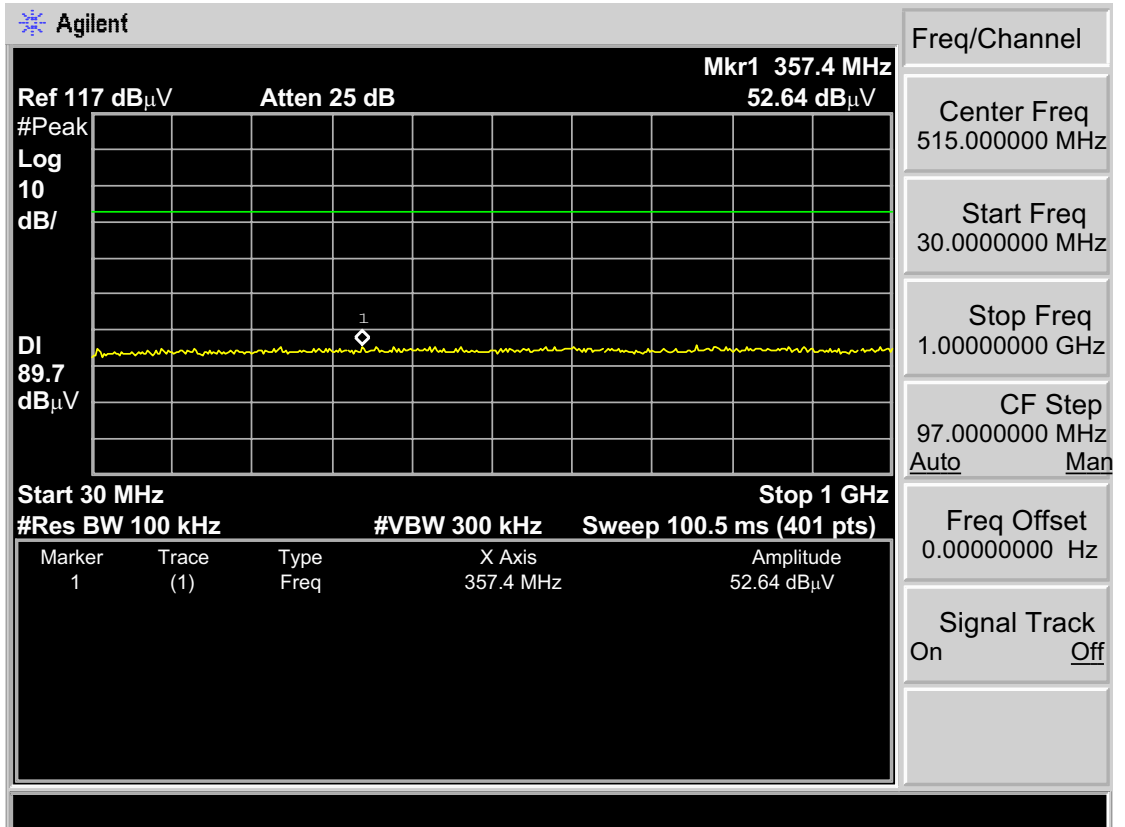
CH1

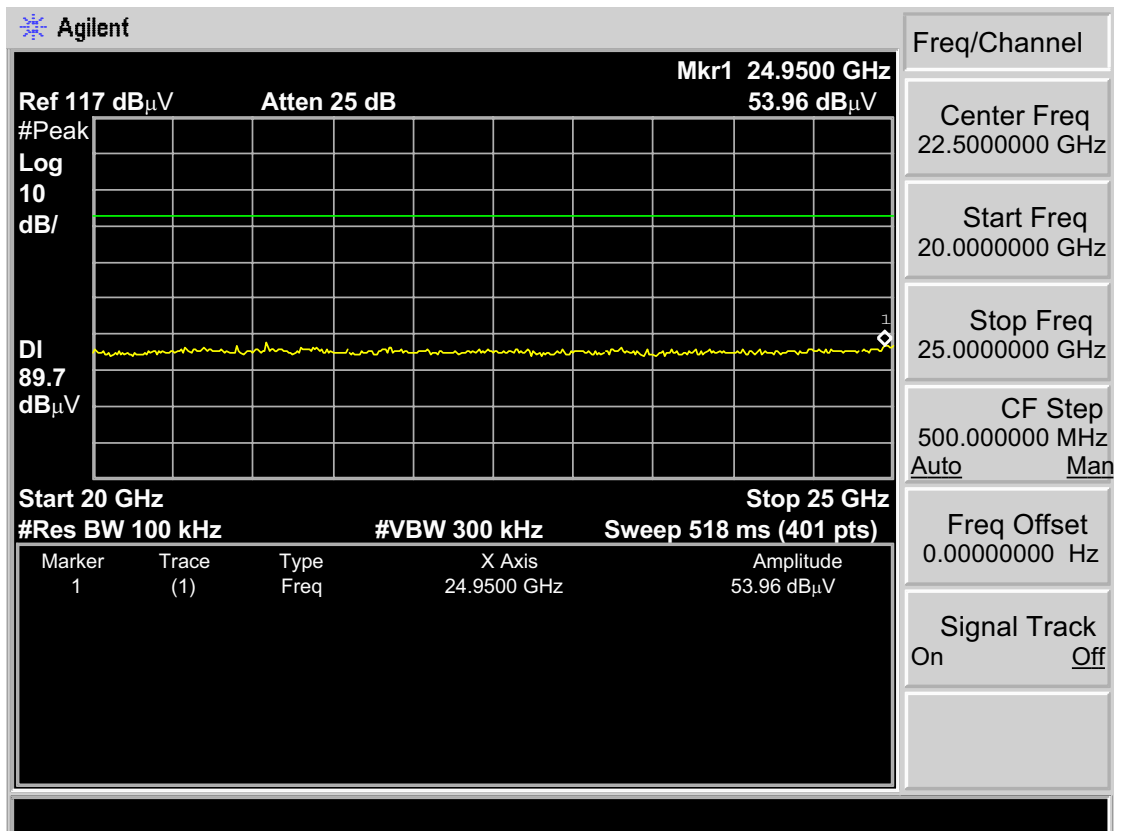
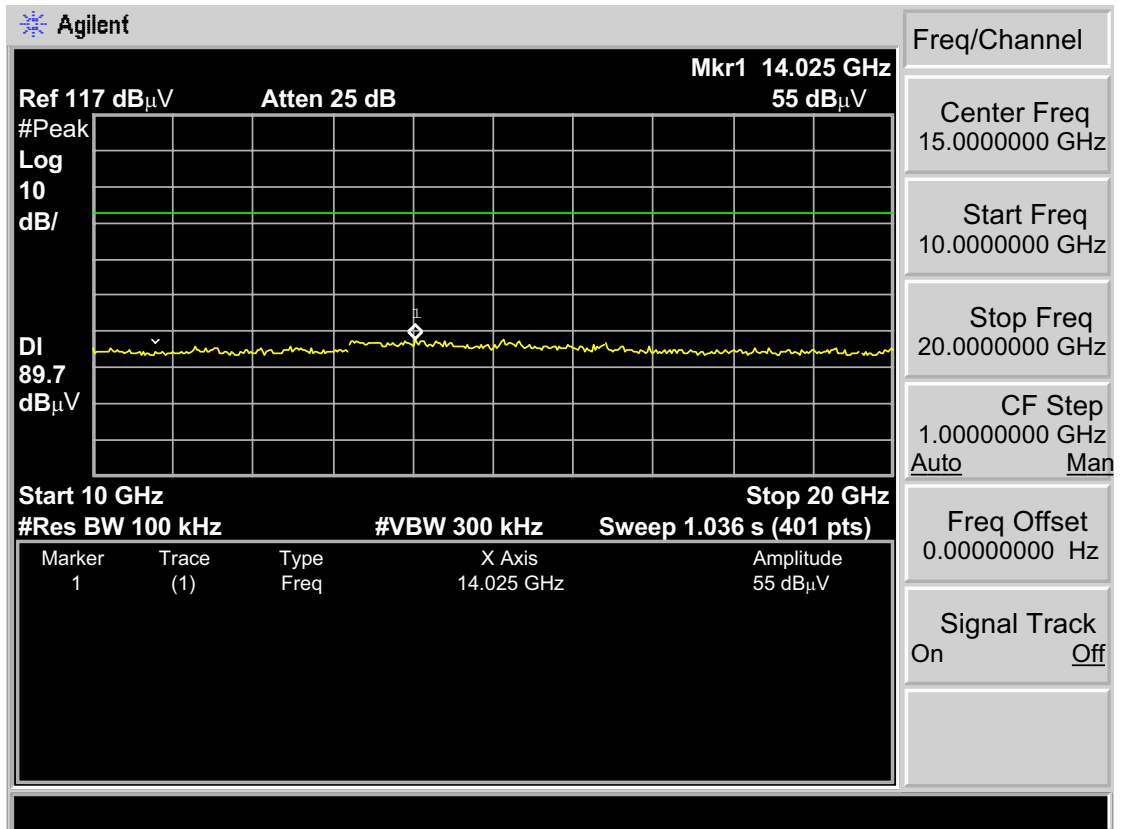




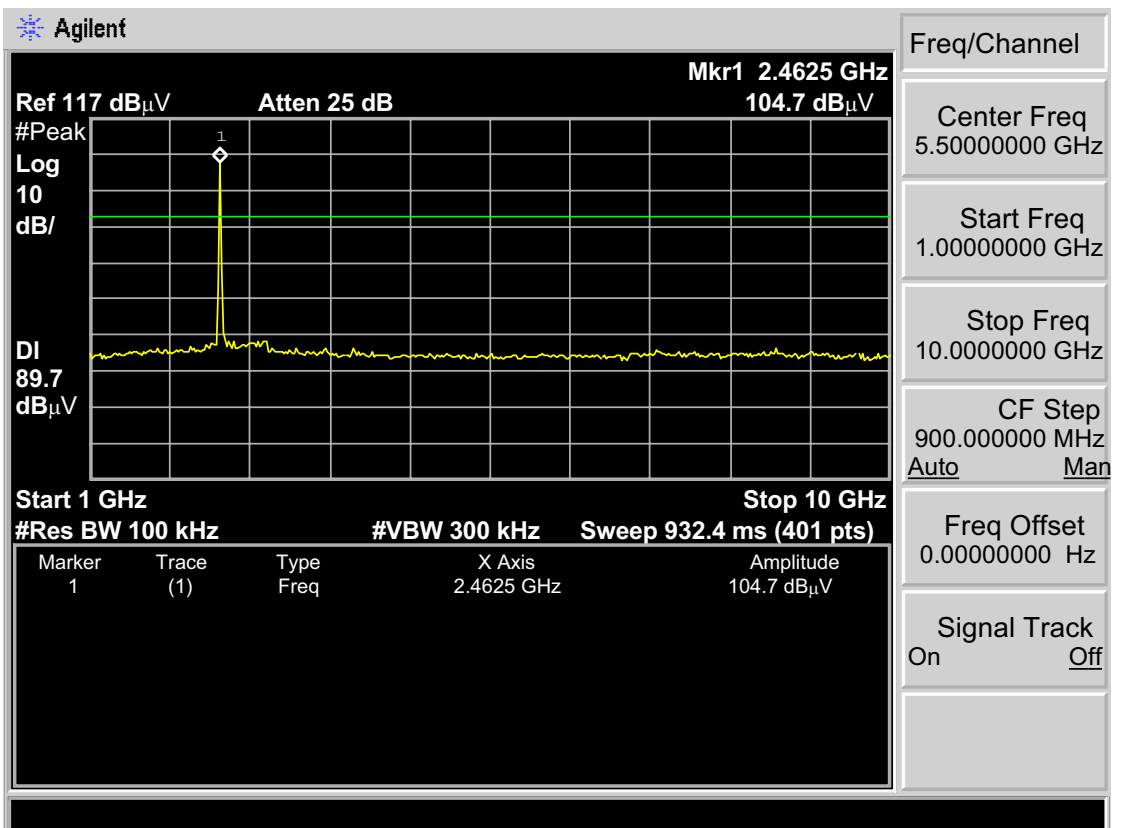
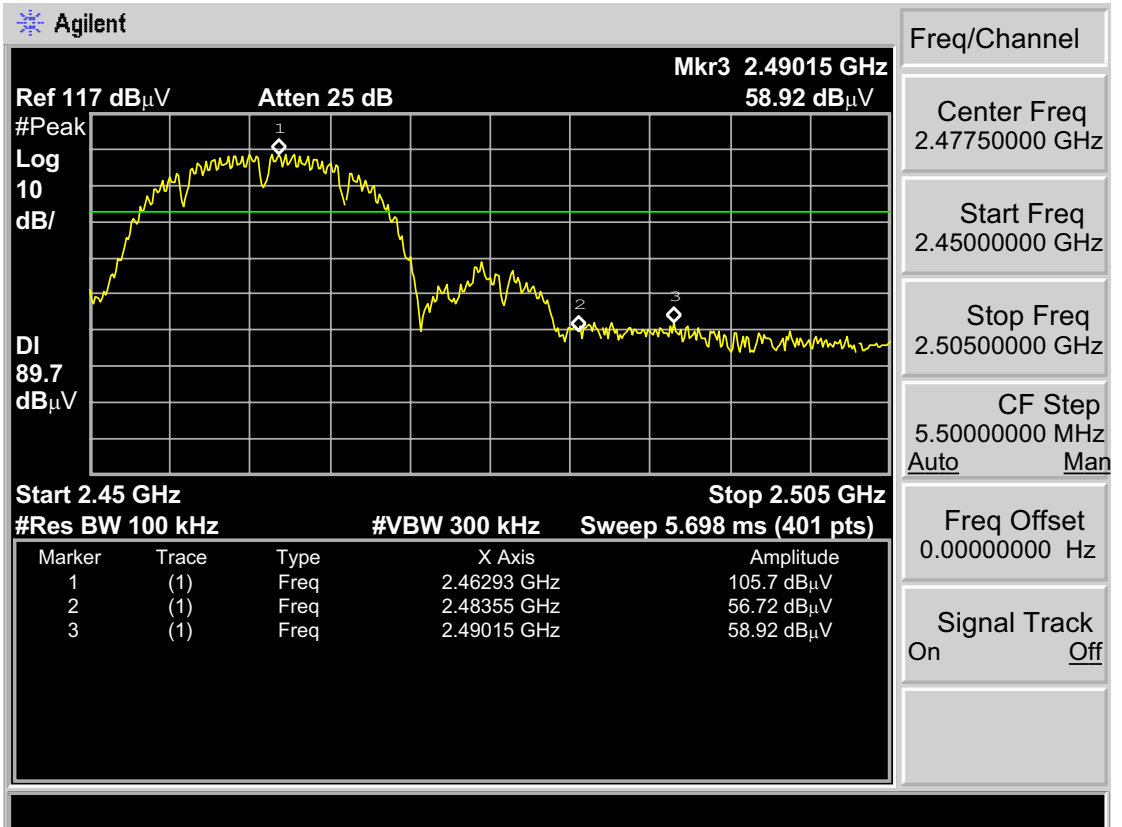


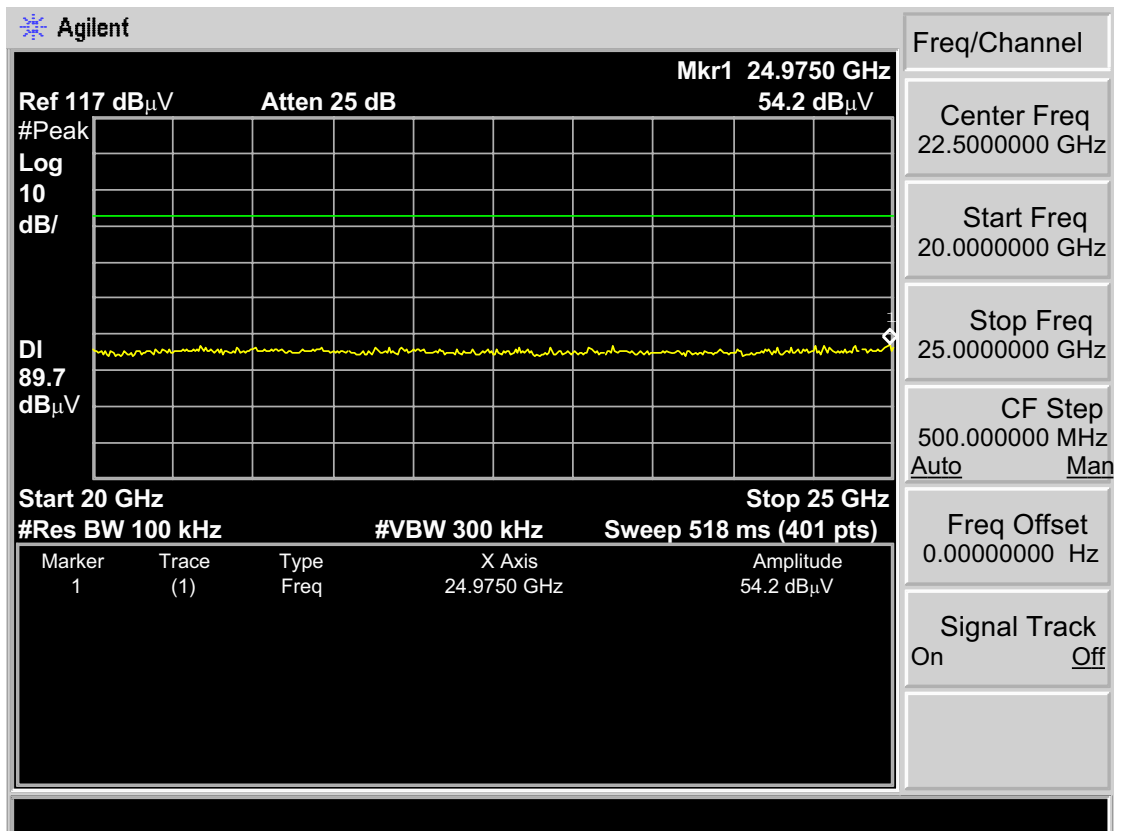
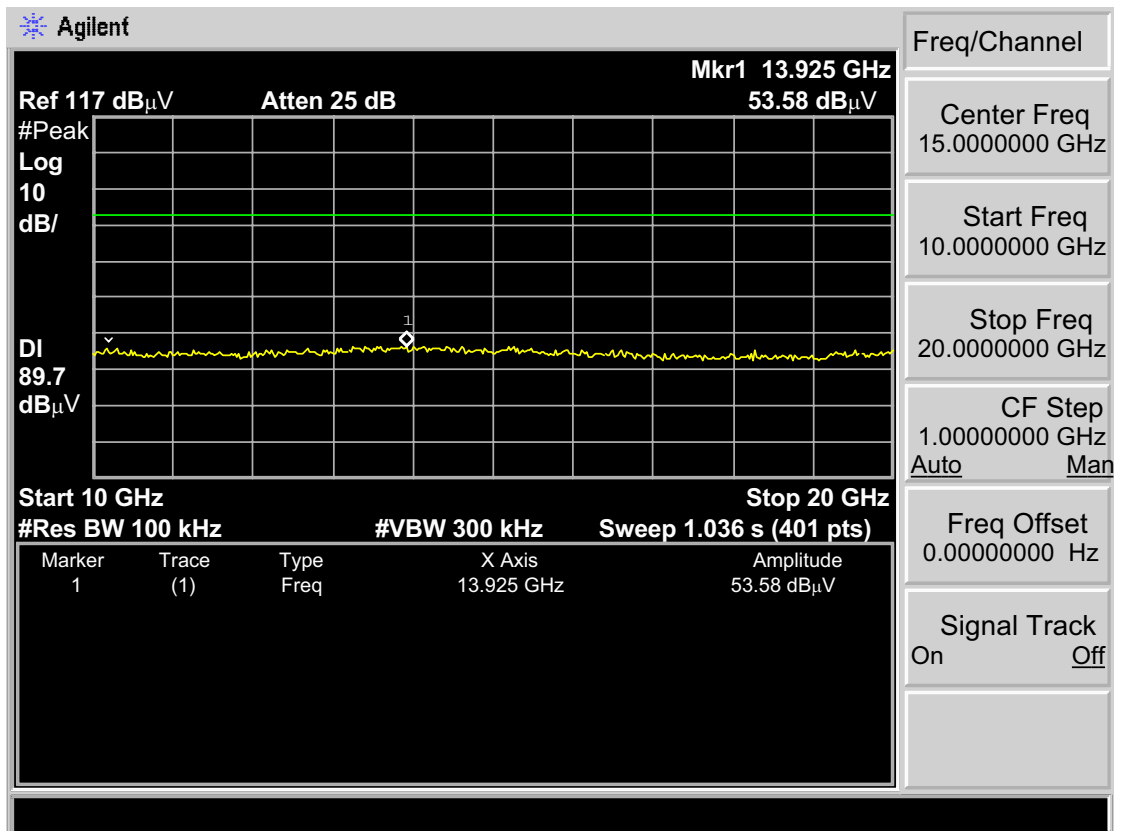
CH6

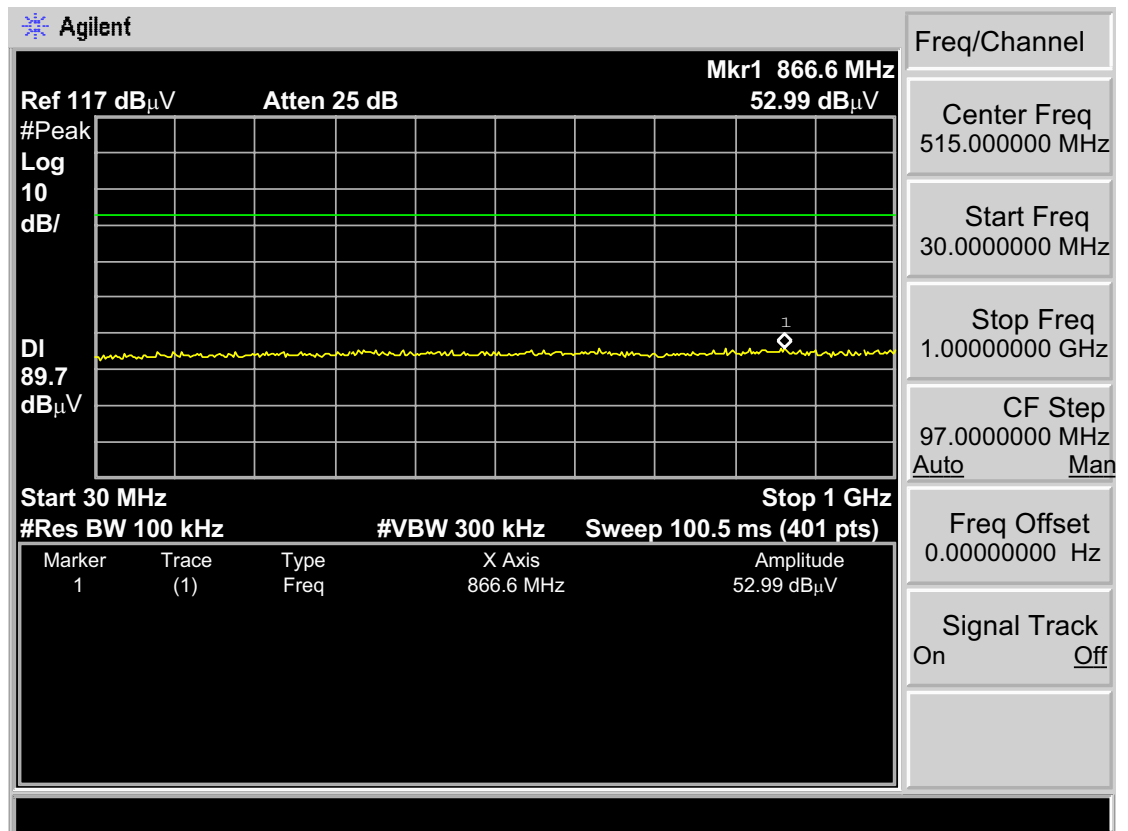




CH11

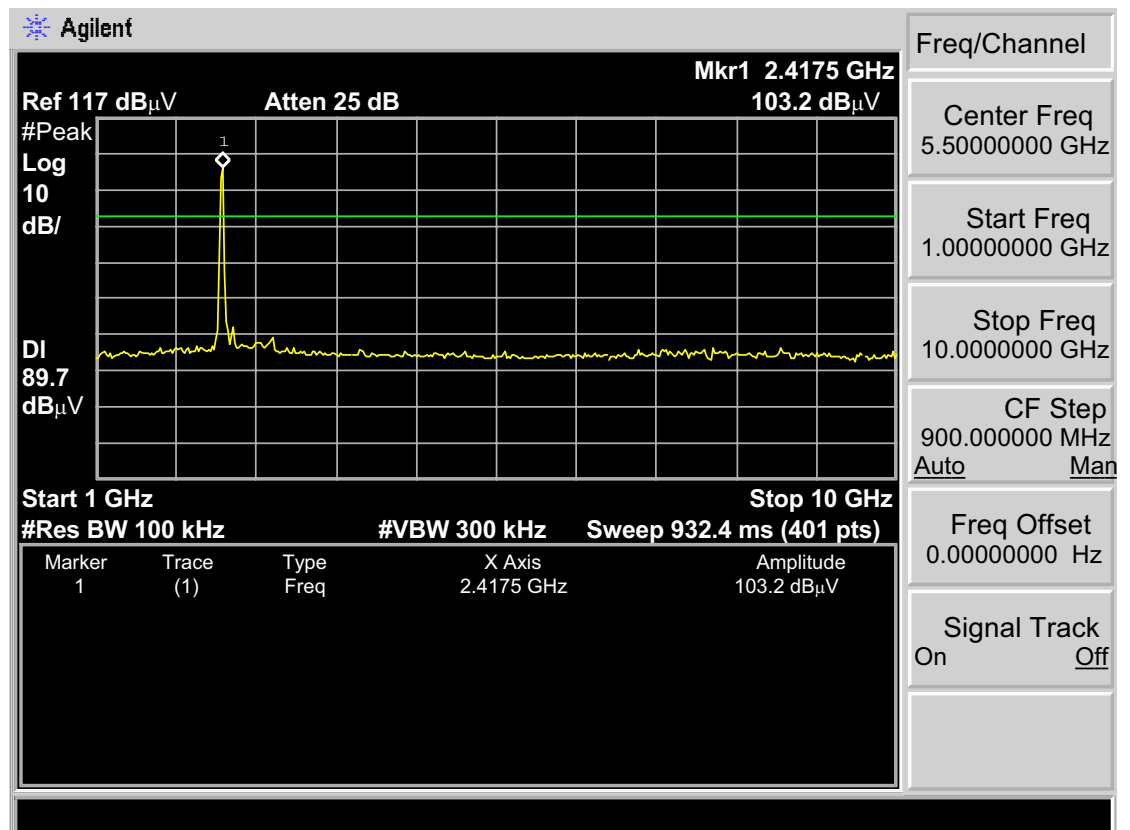
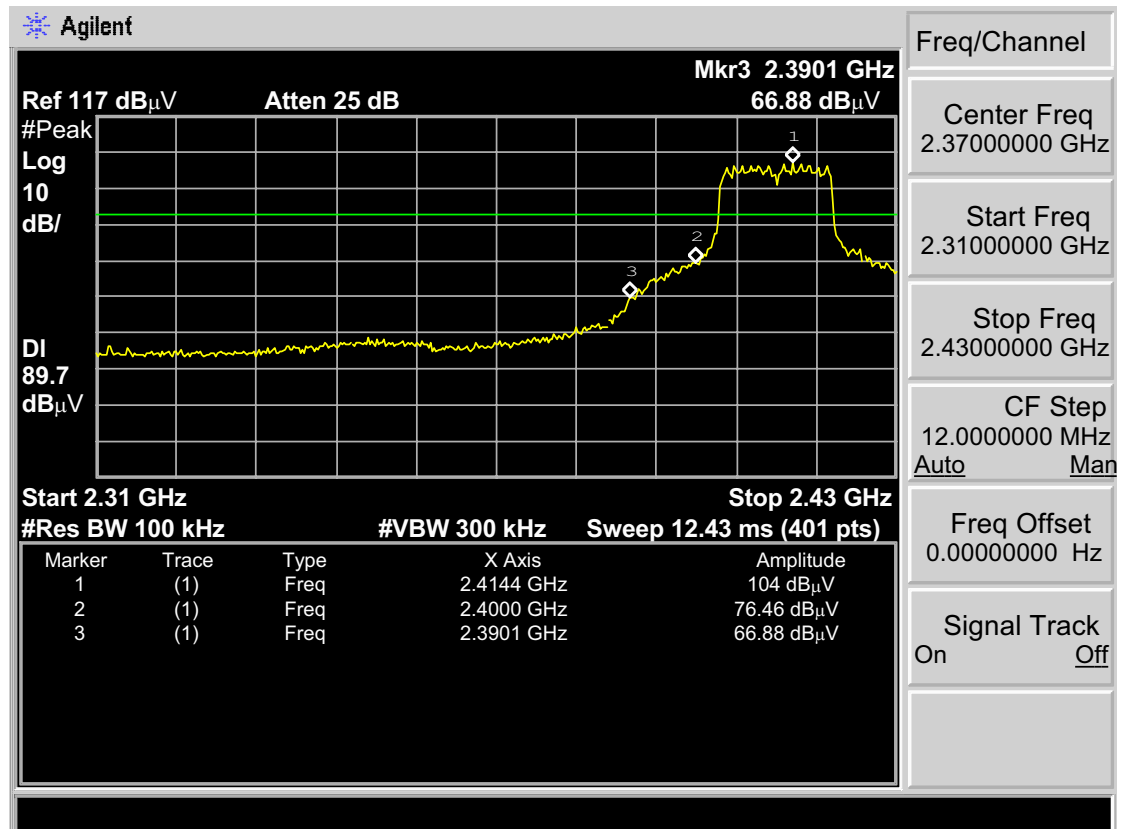


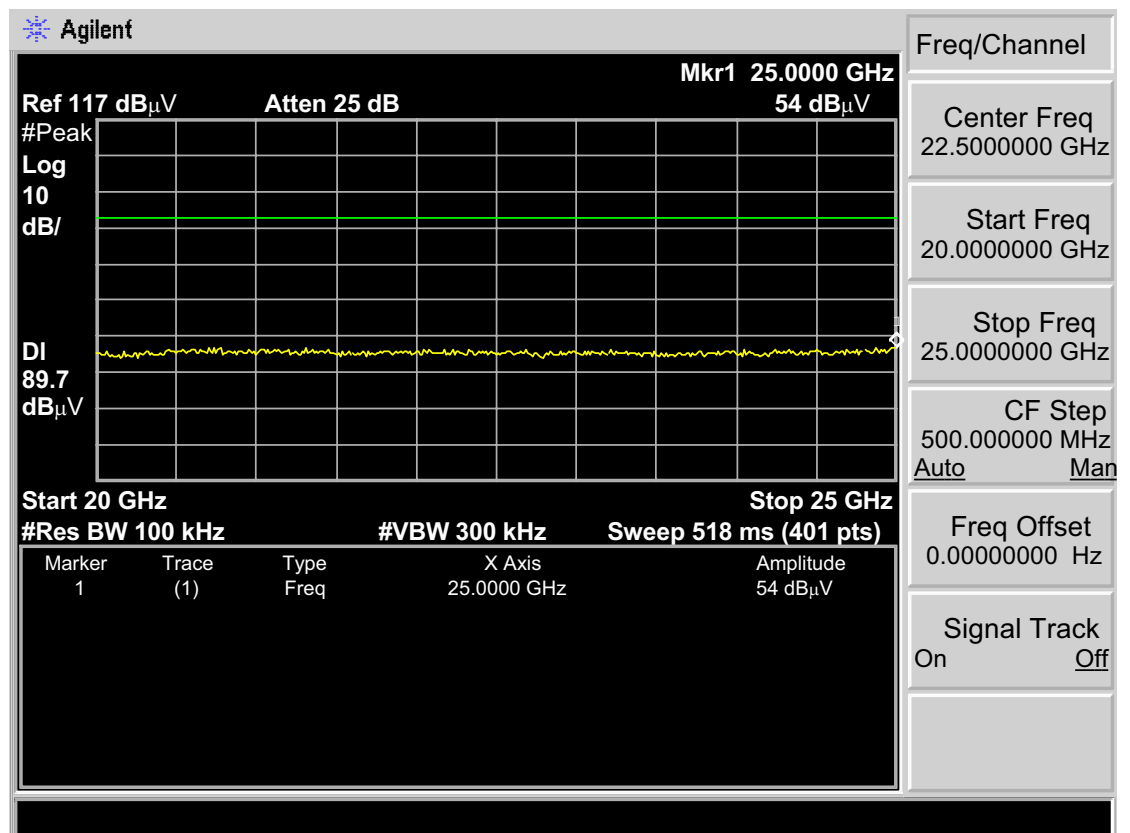
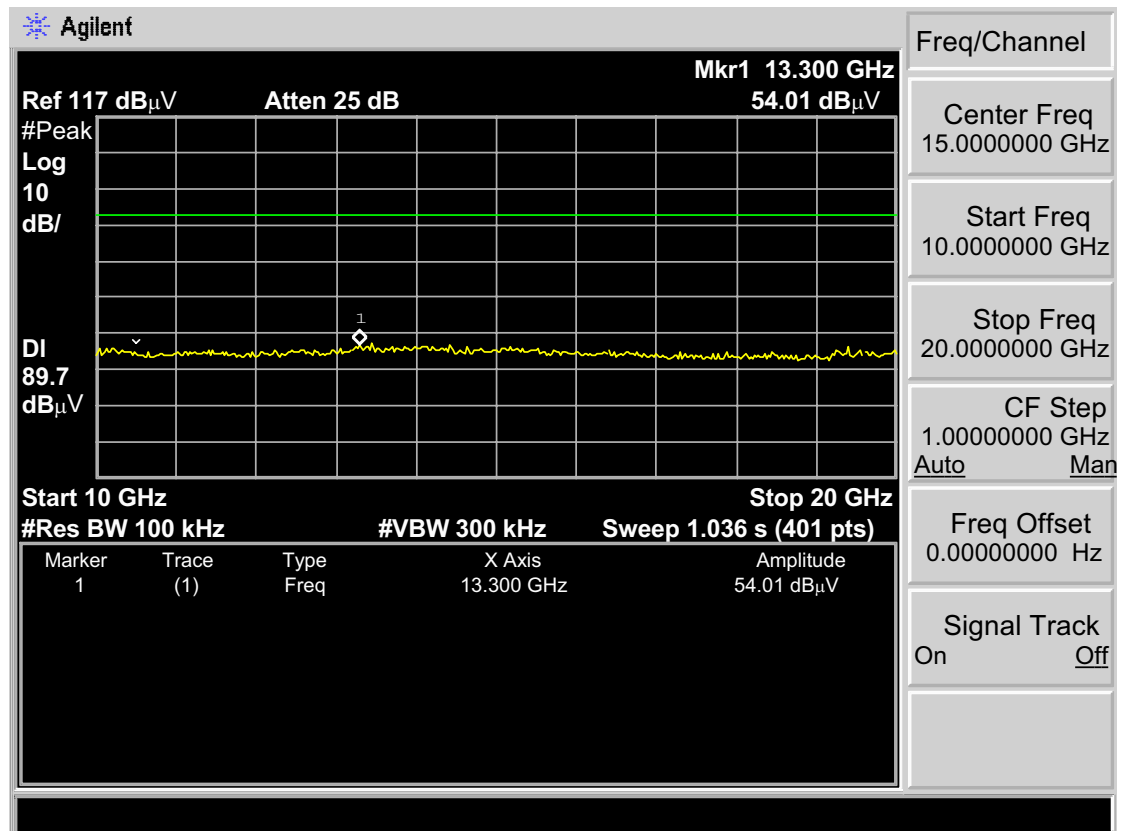


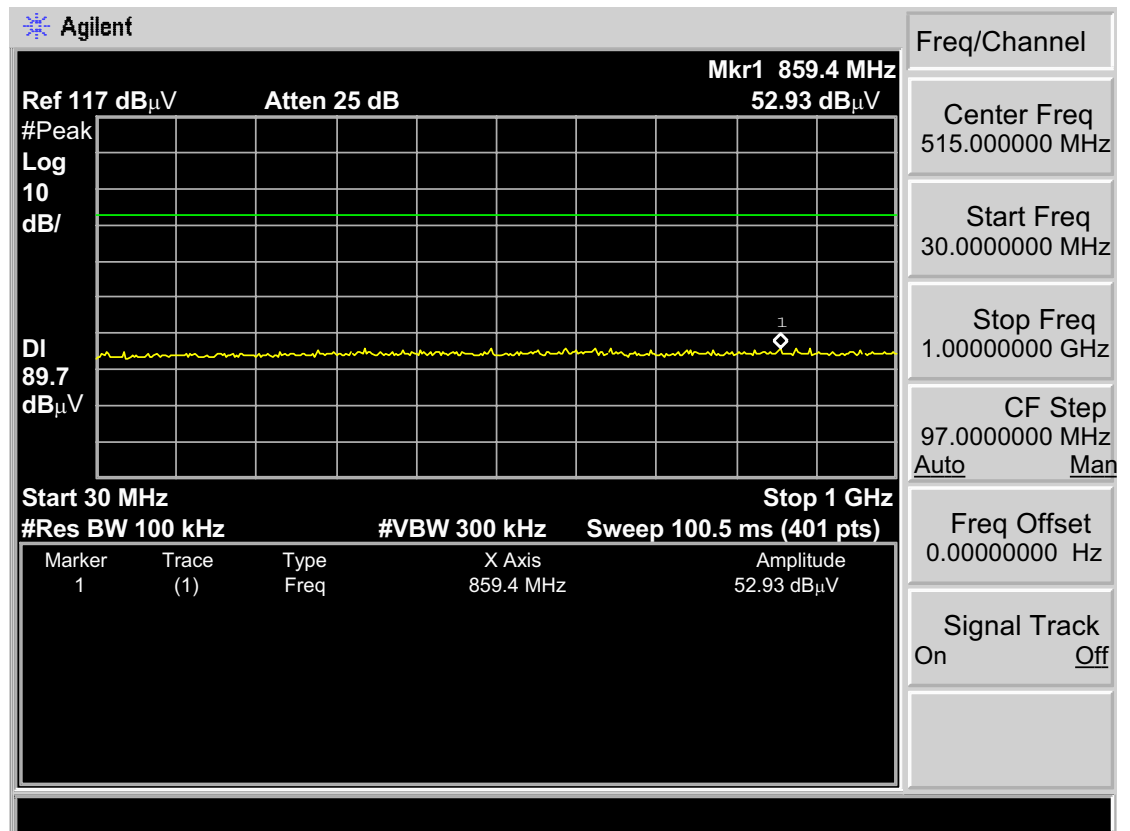


Test Mode: IEEE 802.11g TX (Ant 1)

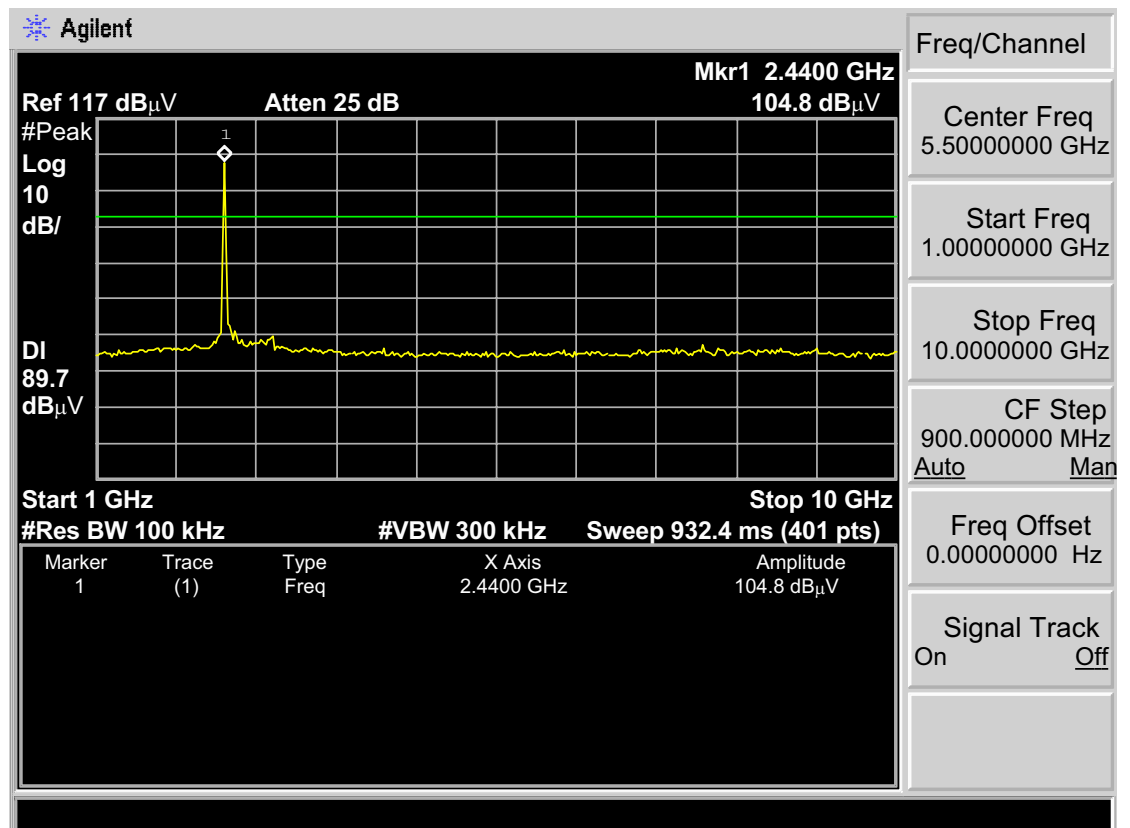
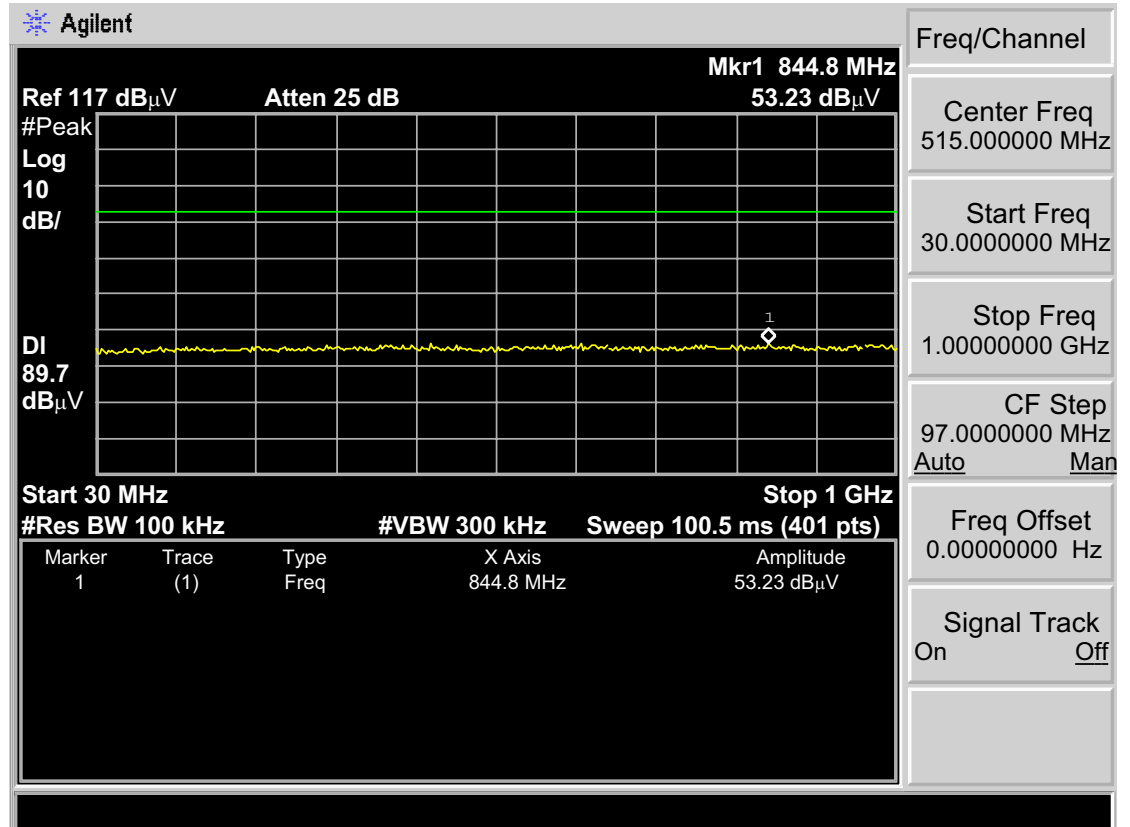
CH1

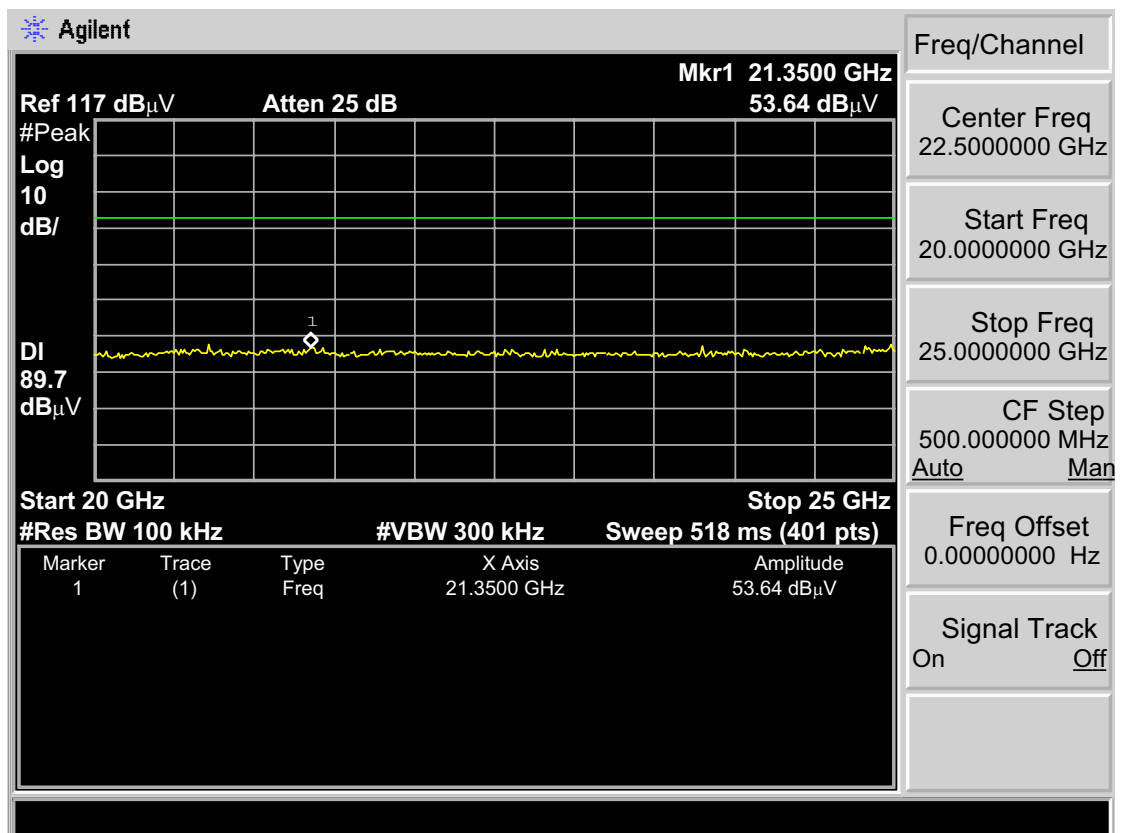
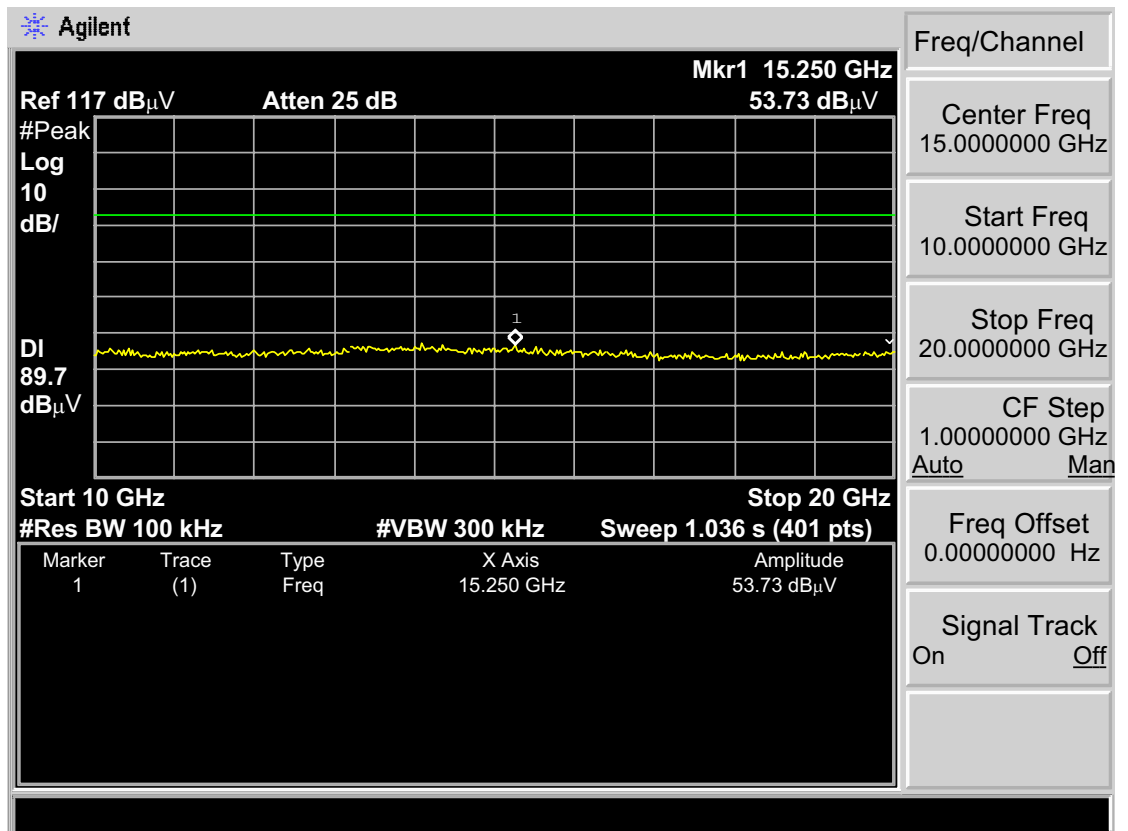




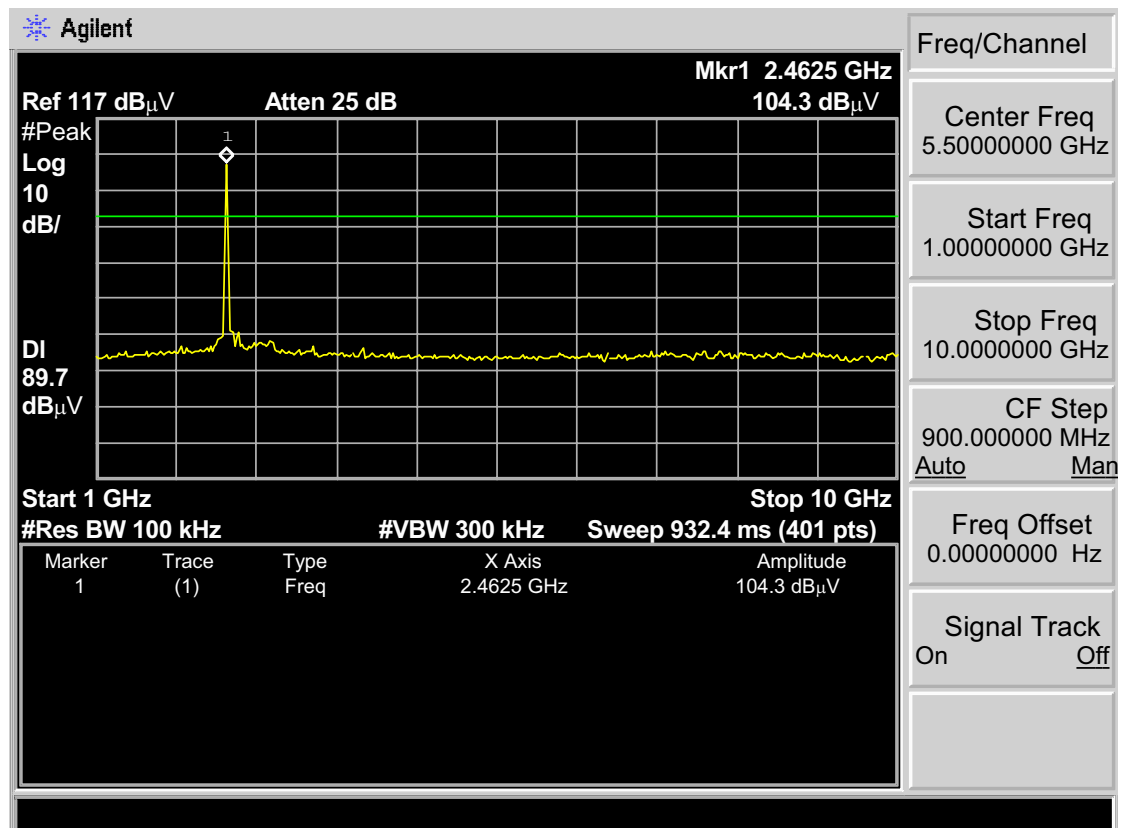
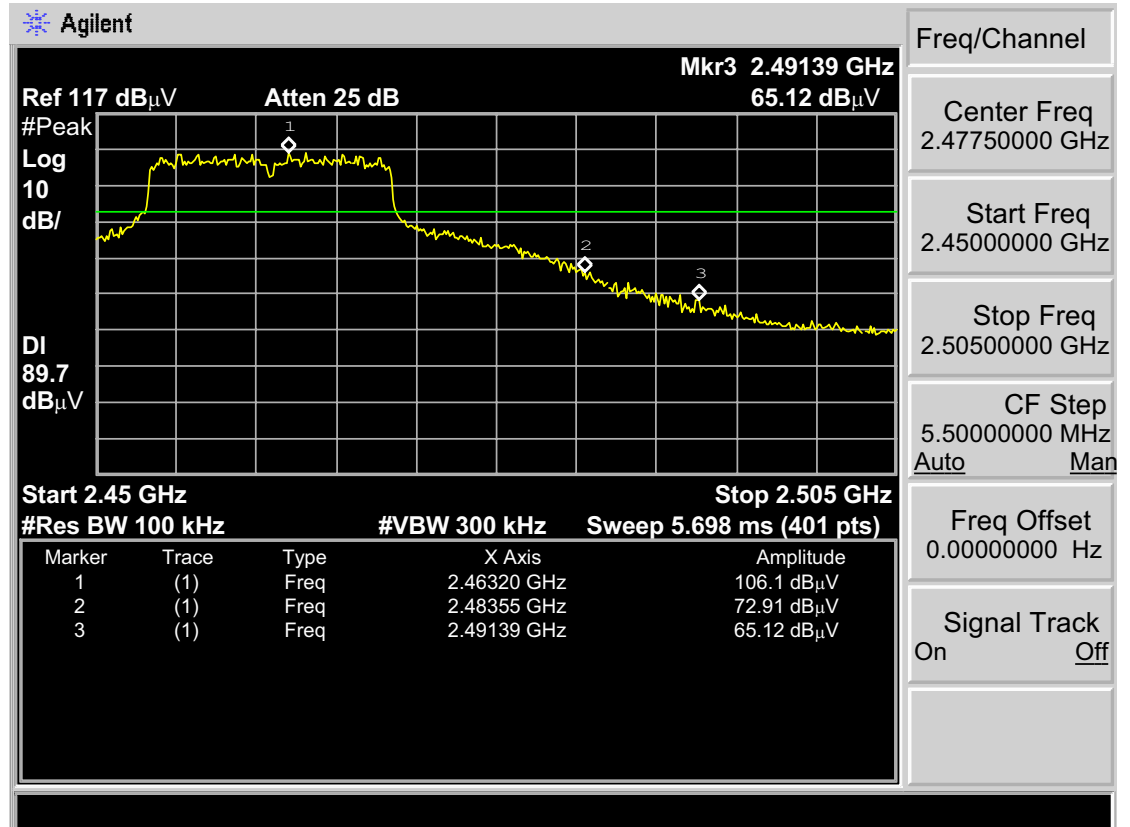


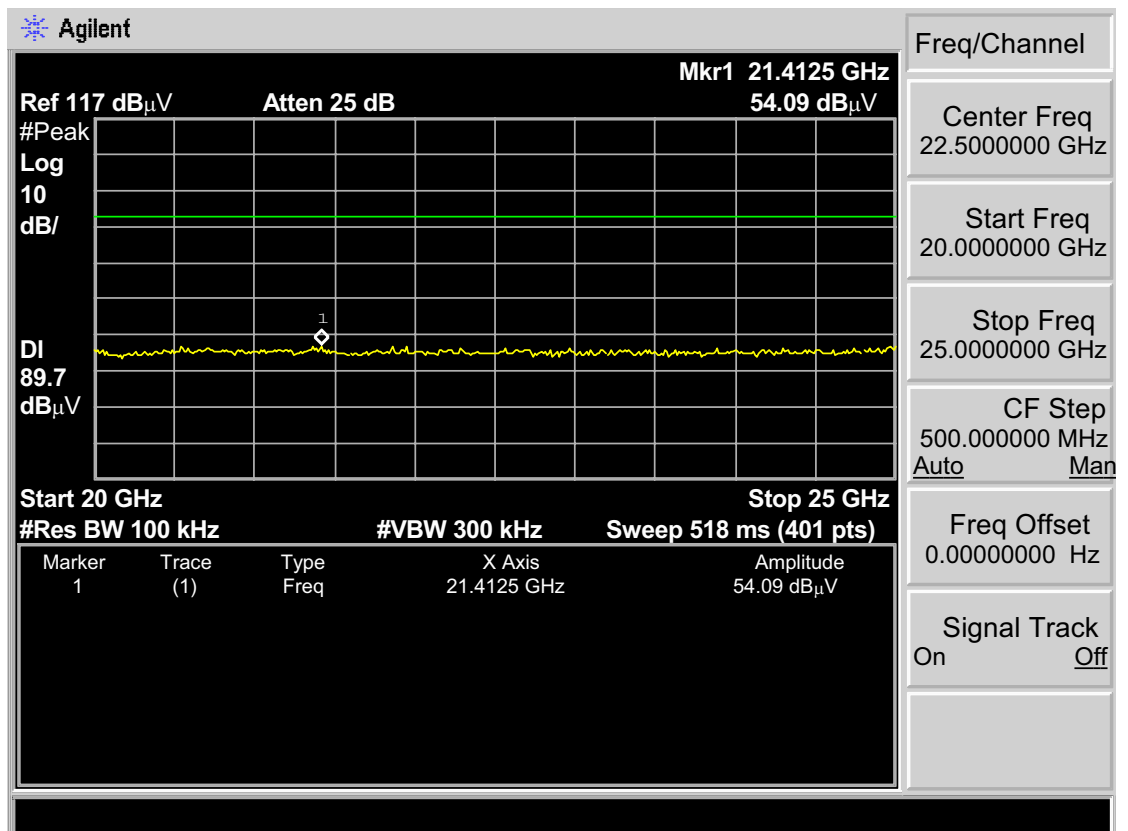
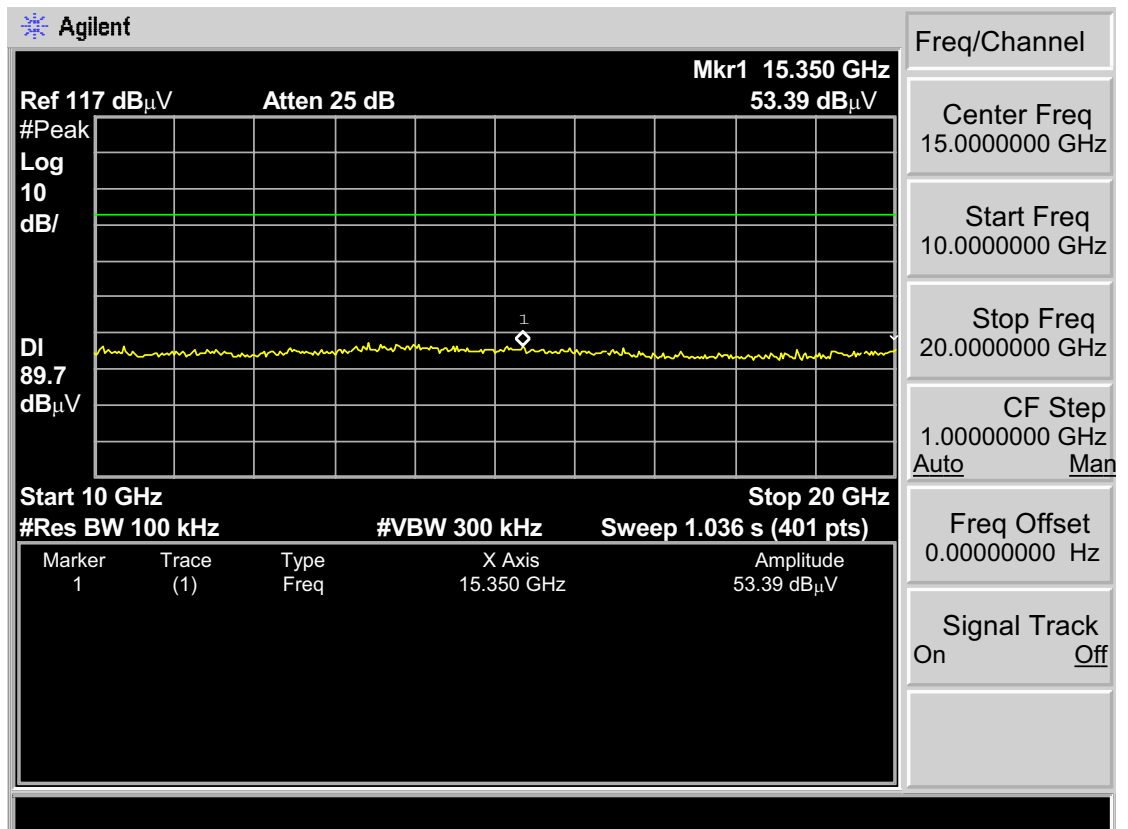
CH6

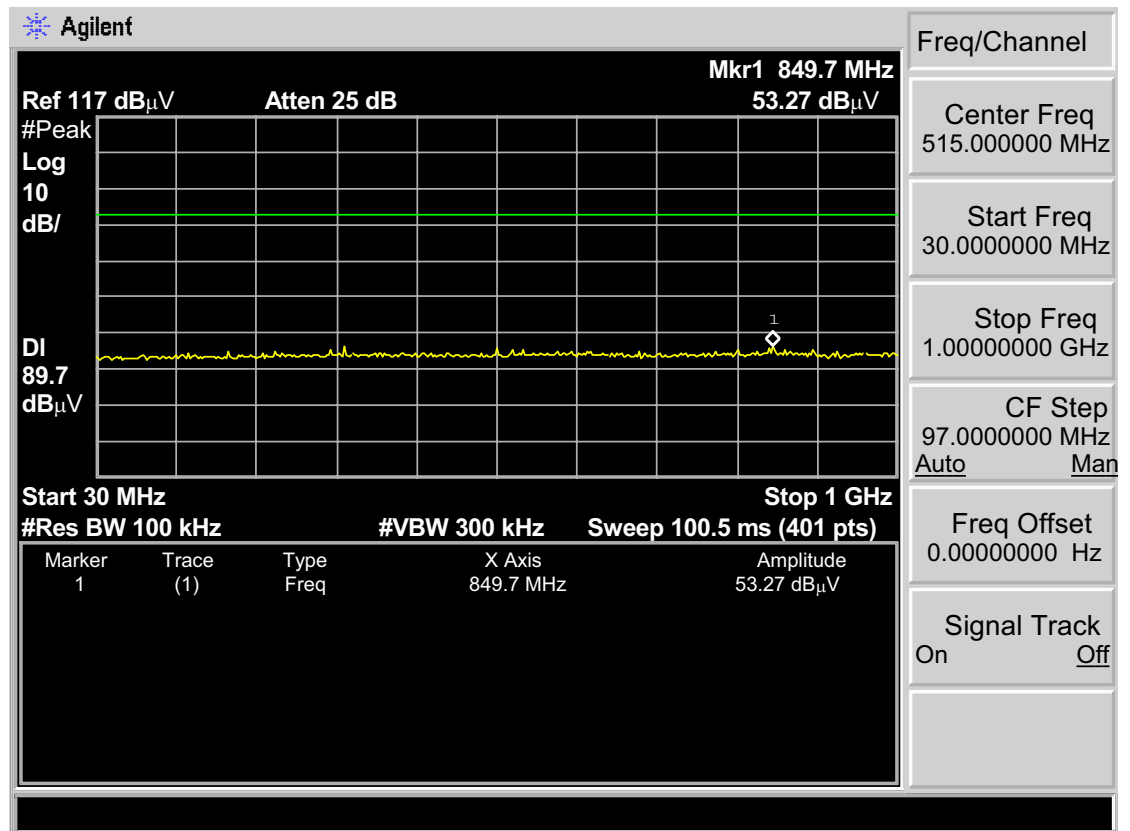




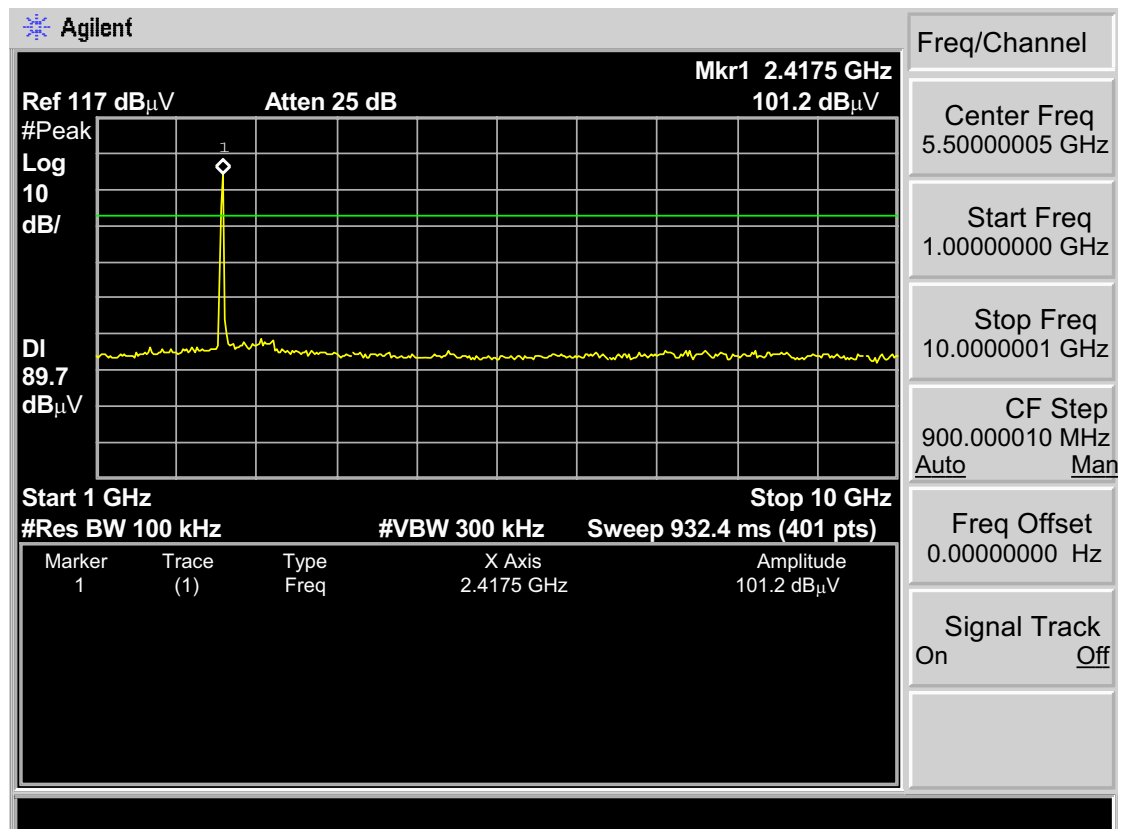
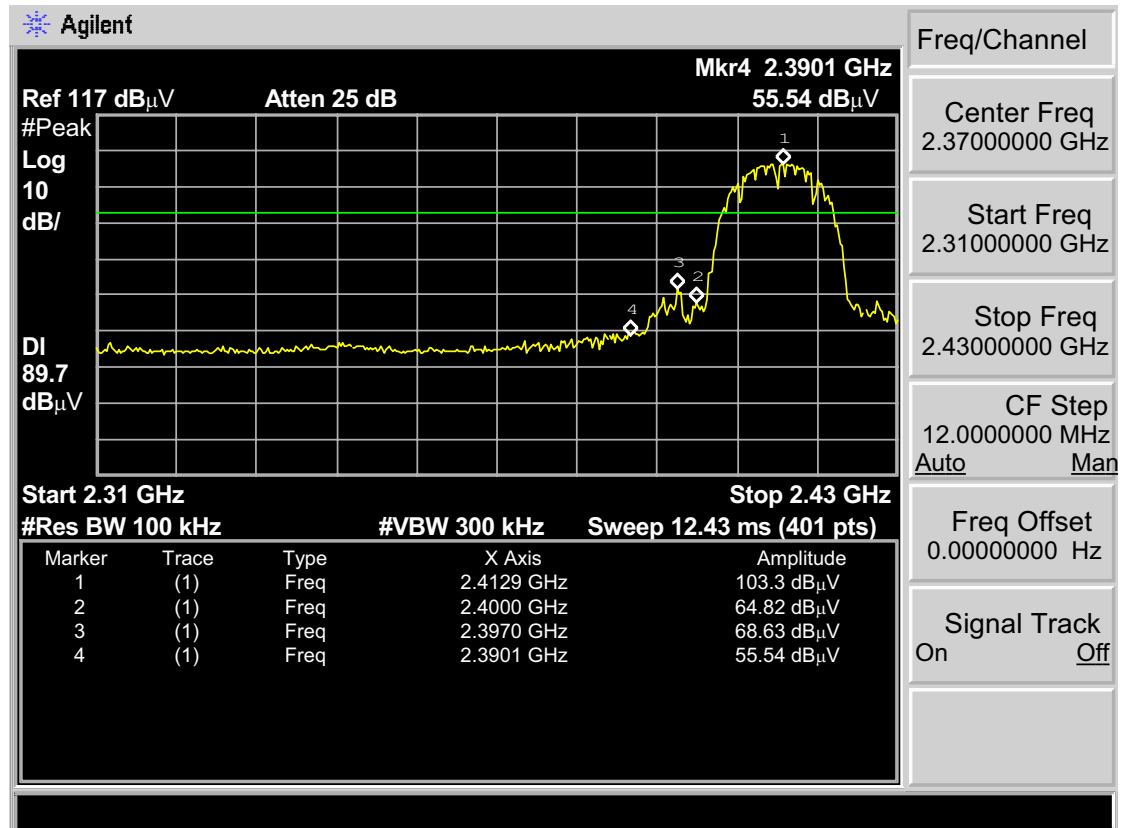
CH11

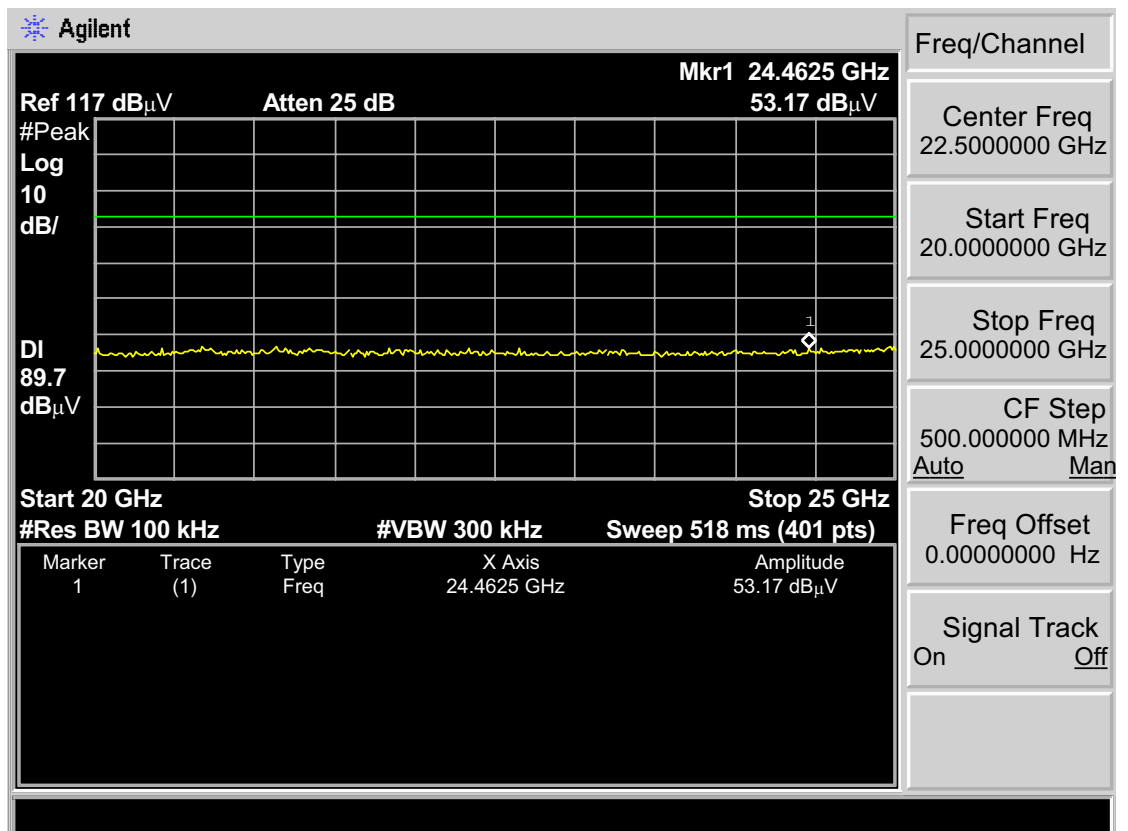
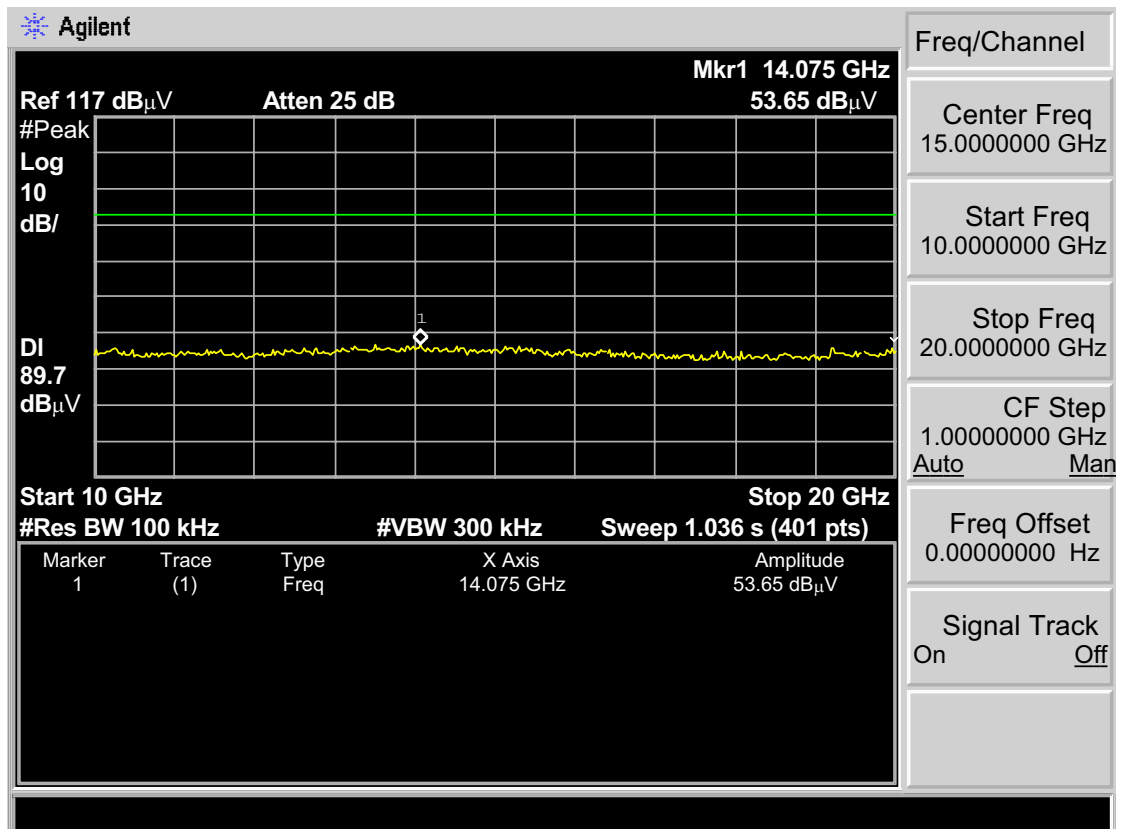


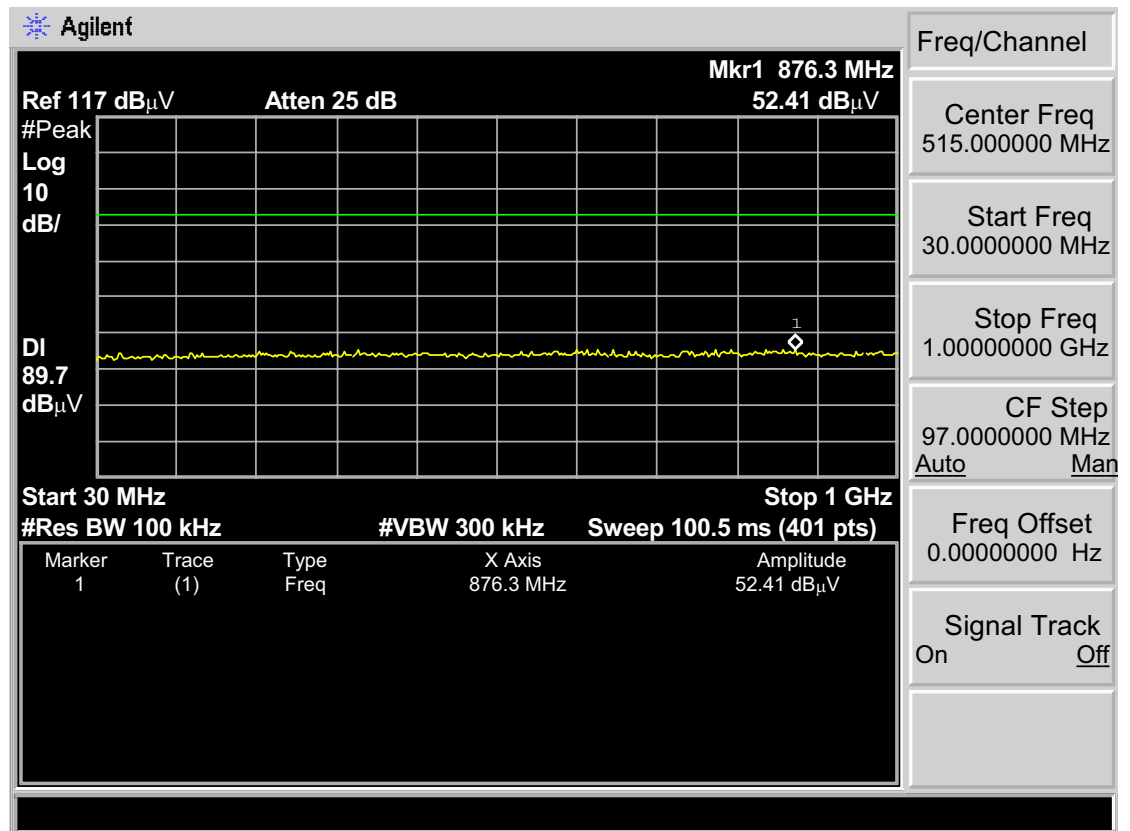




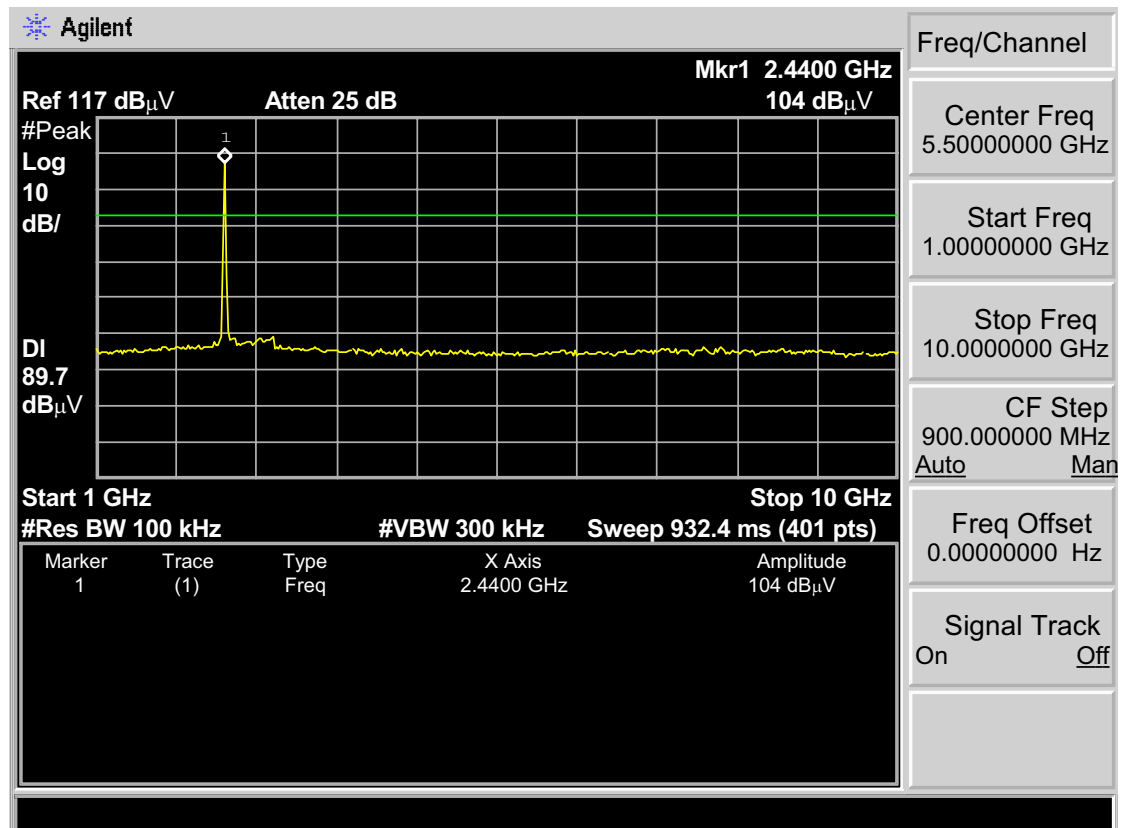
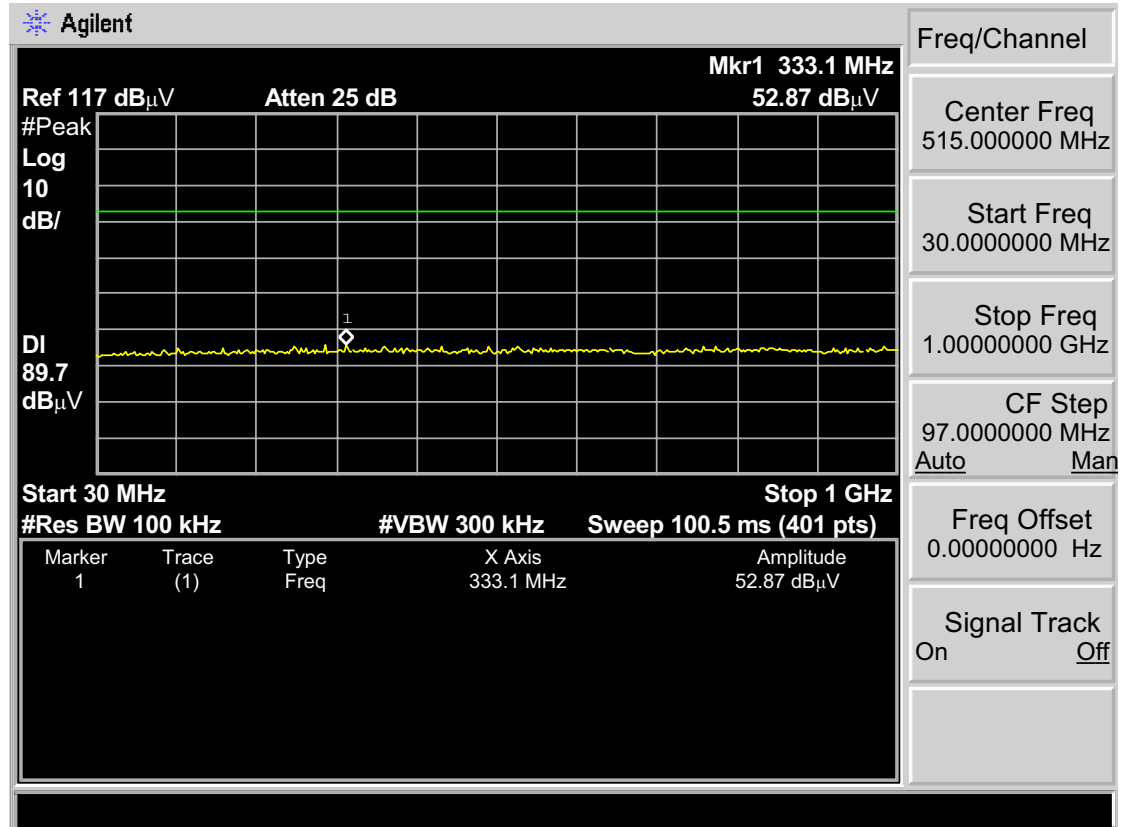
Test Mode: IEEE 802. 11b TX (Ant 2)
CH1

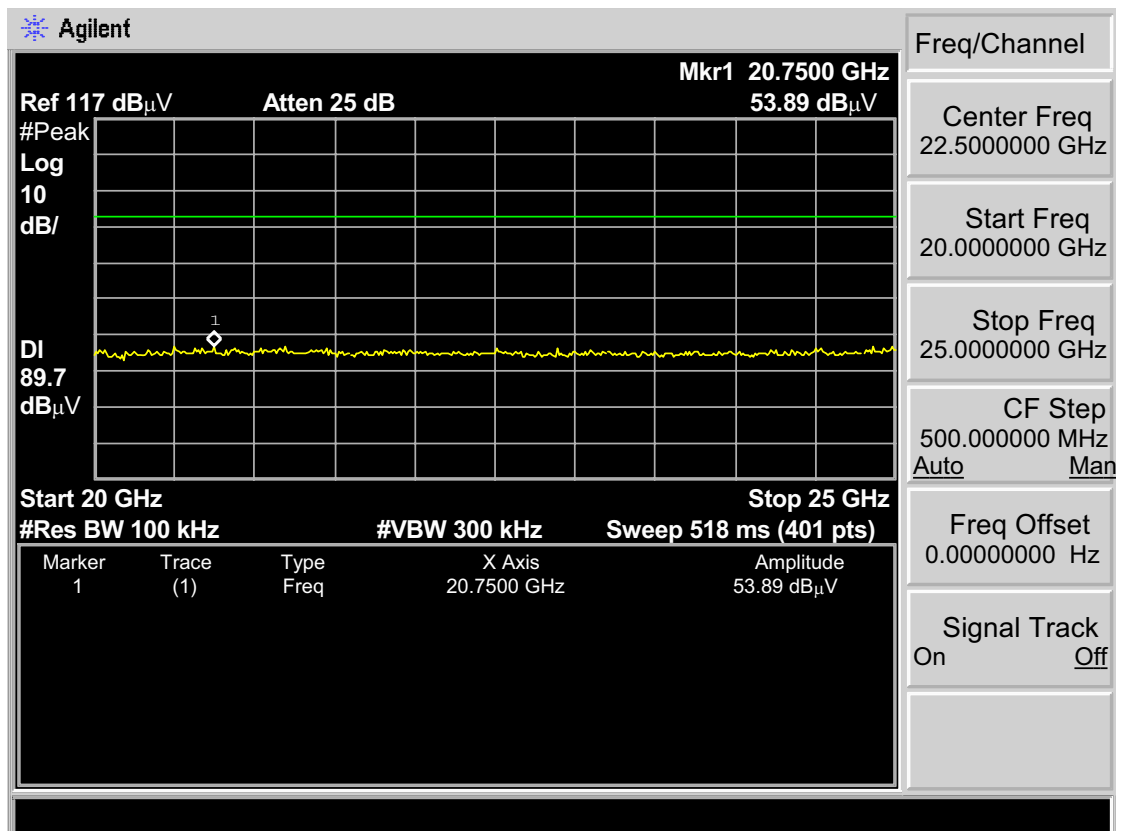
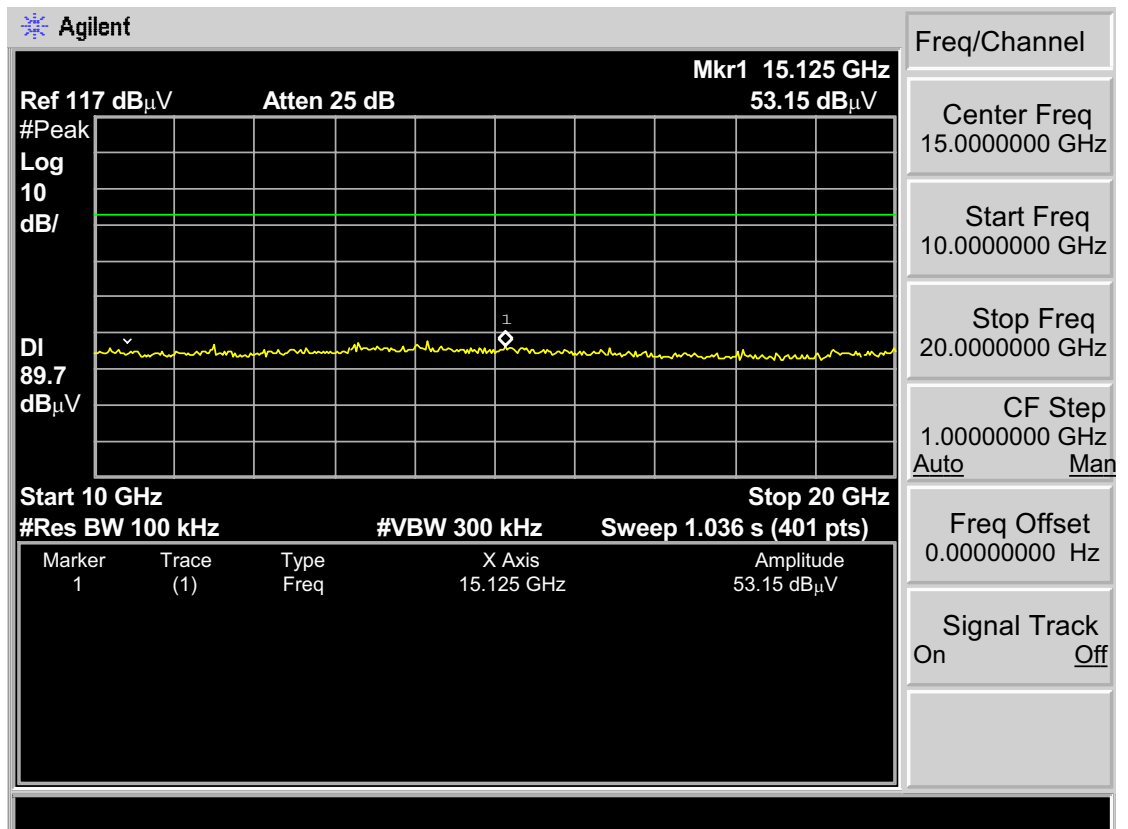




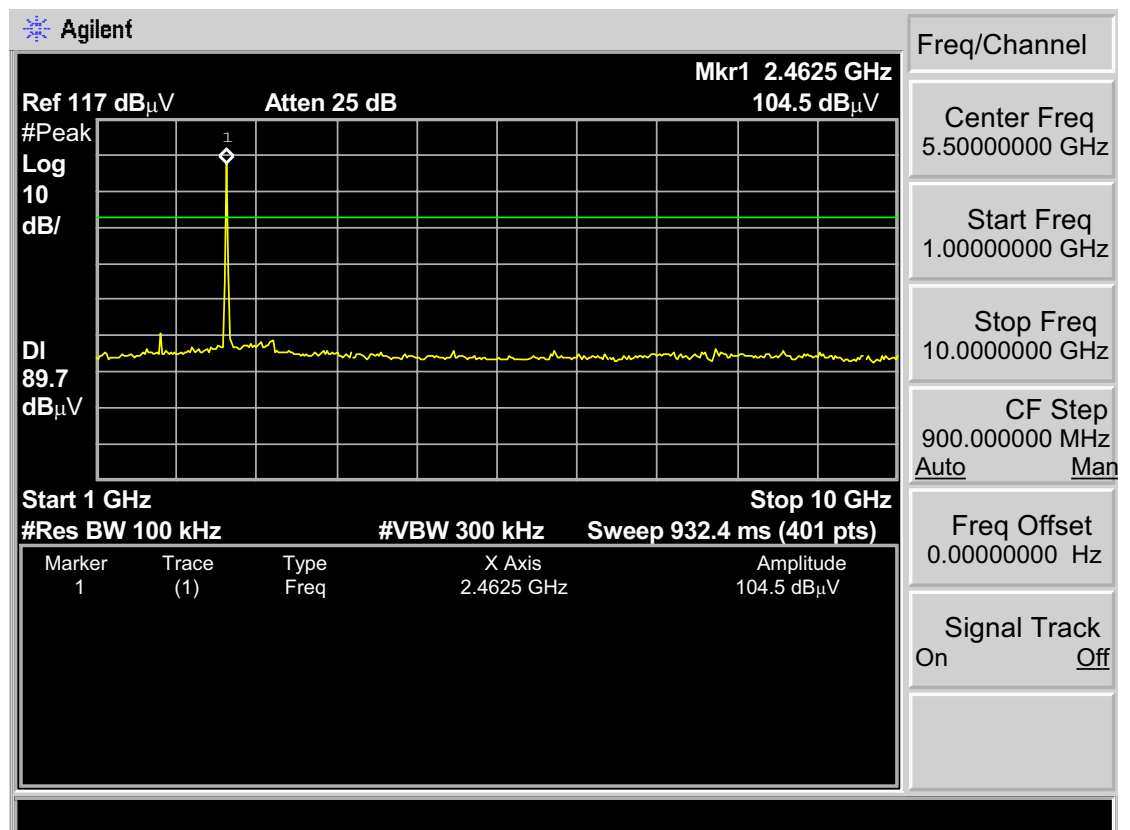
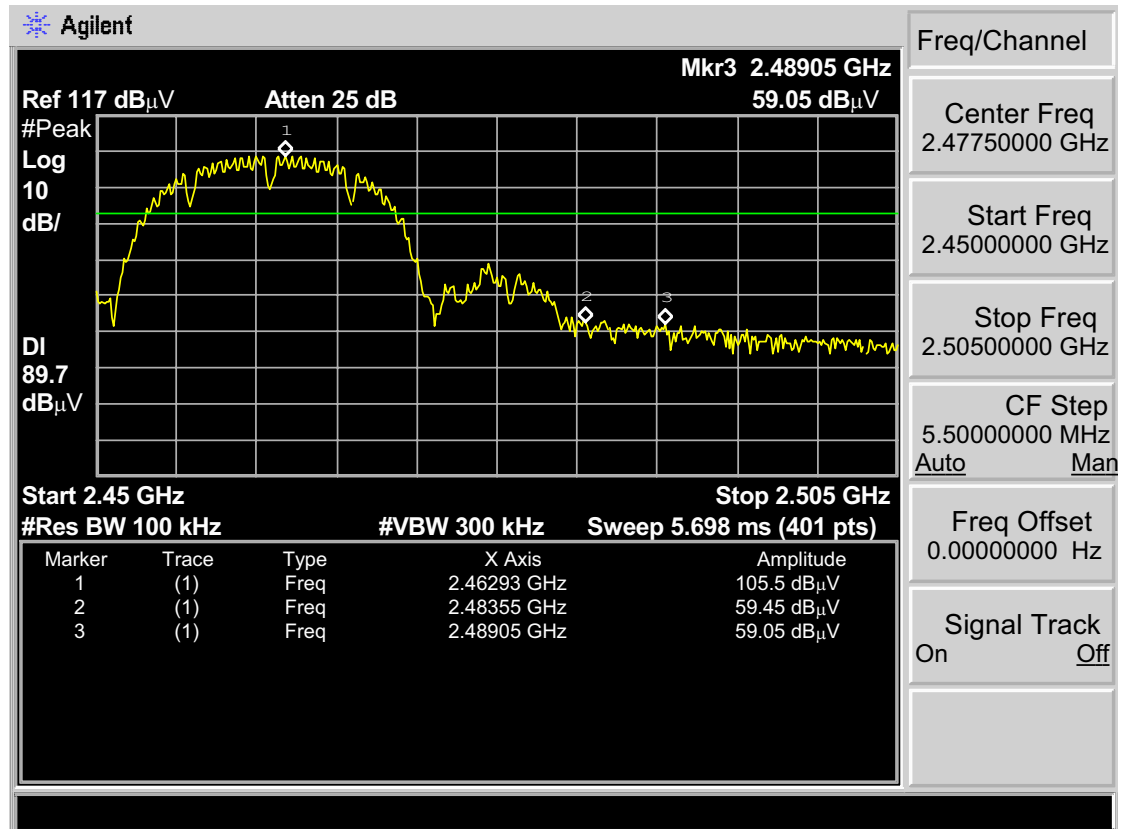


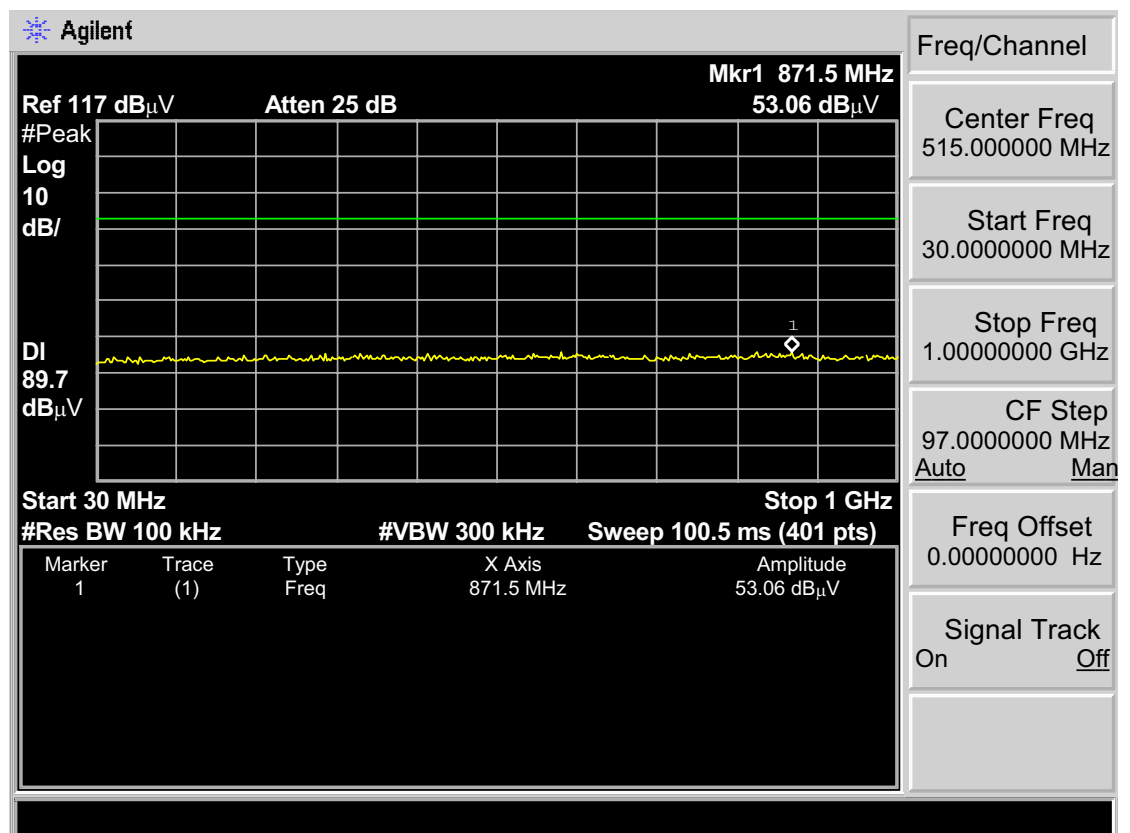
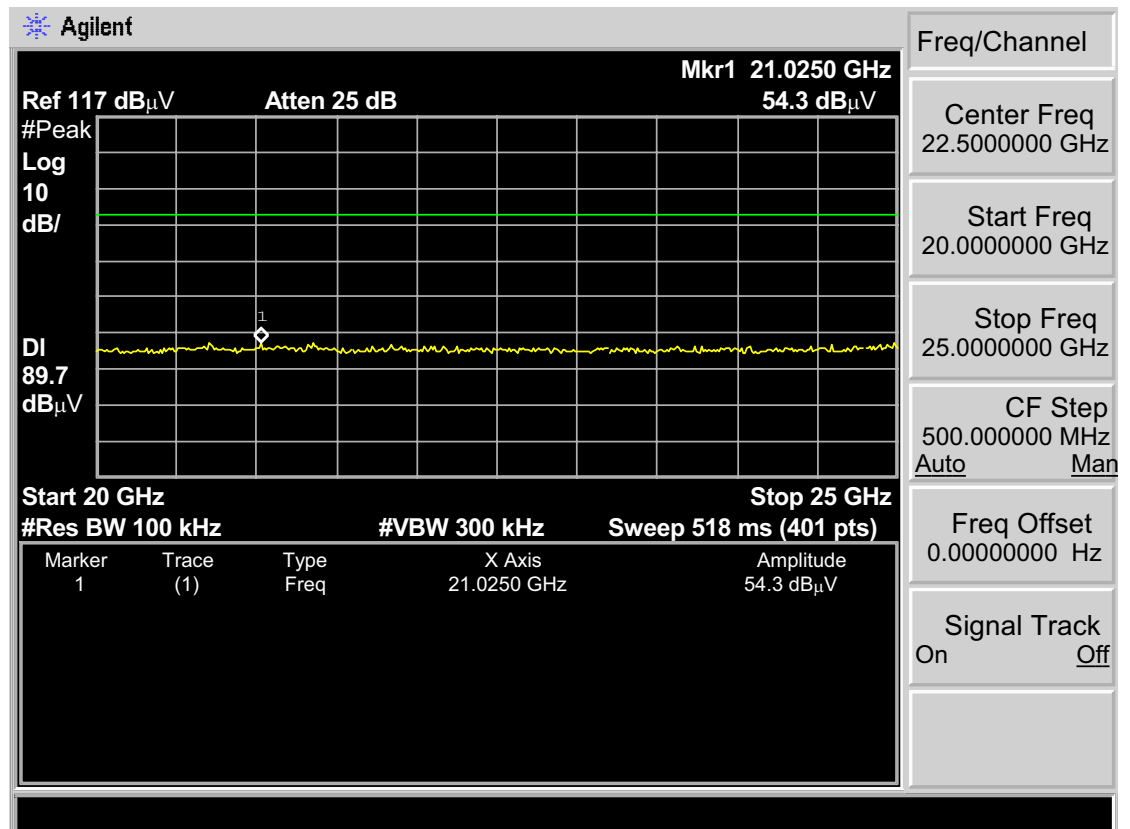
CH6

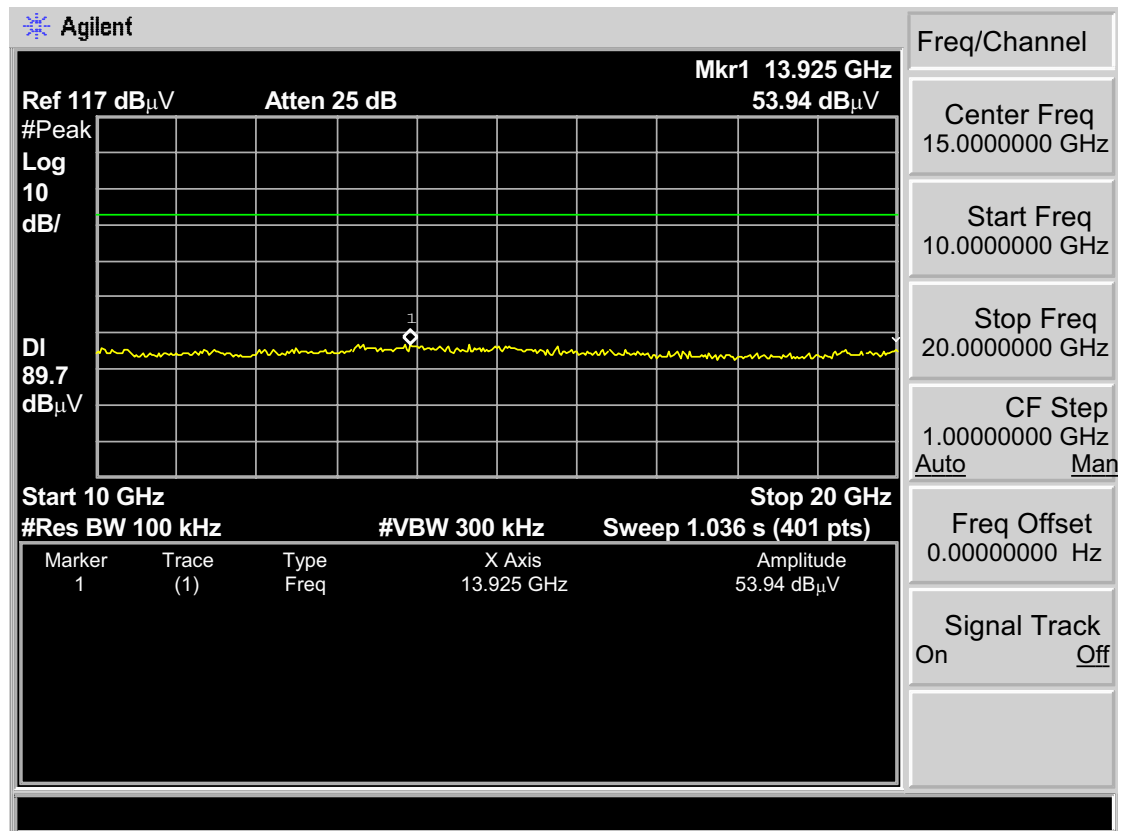




CH11

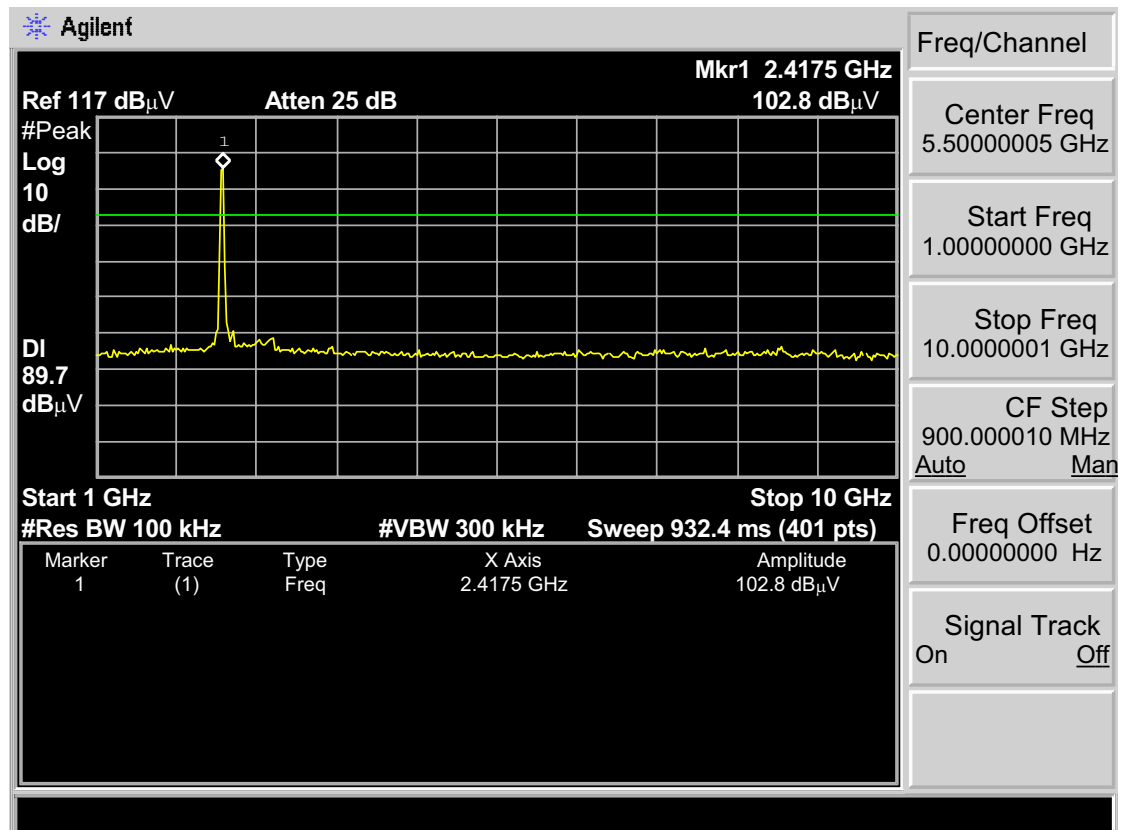
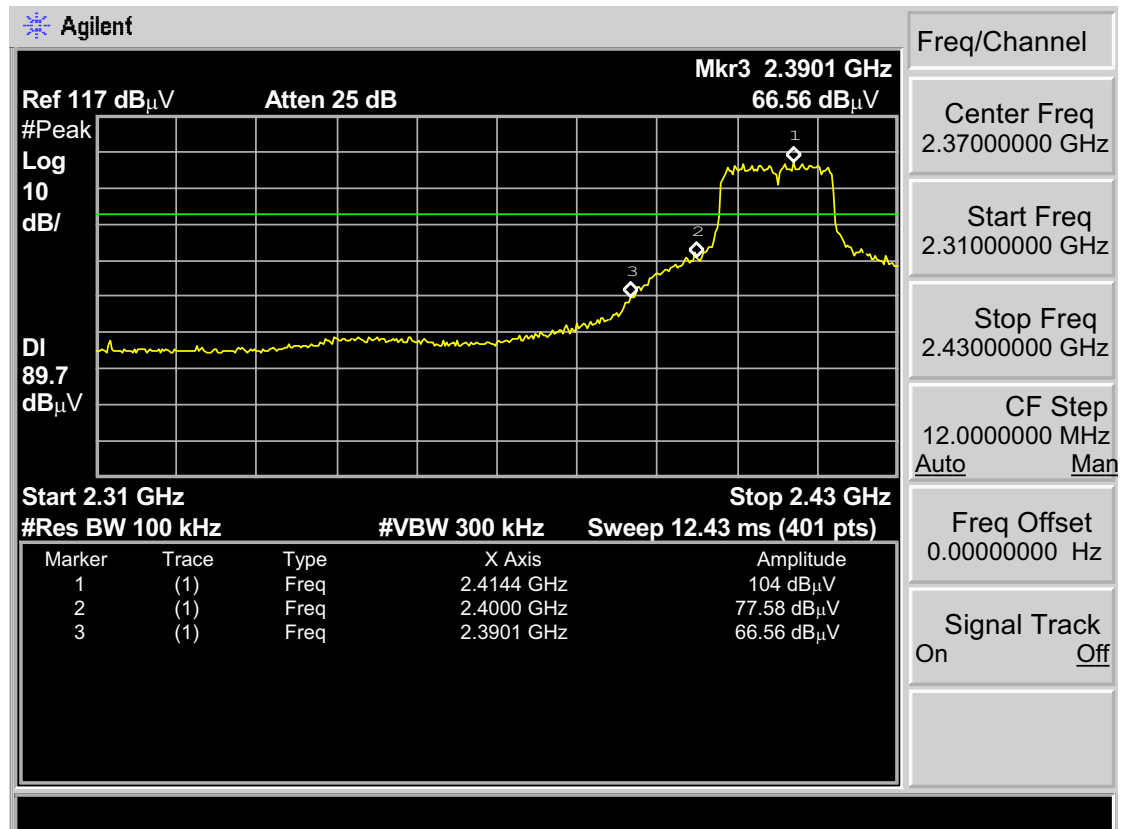


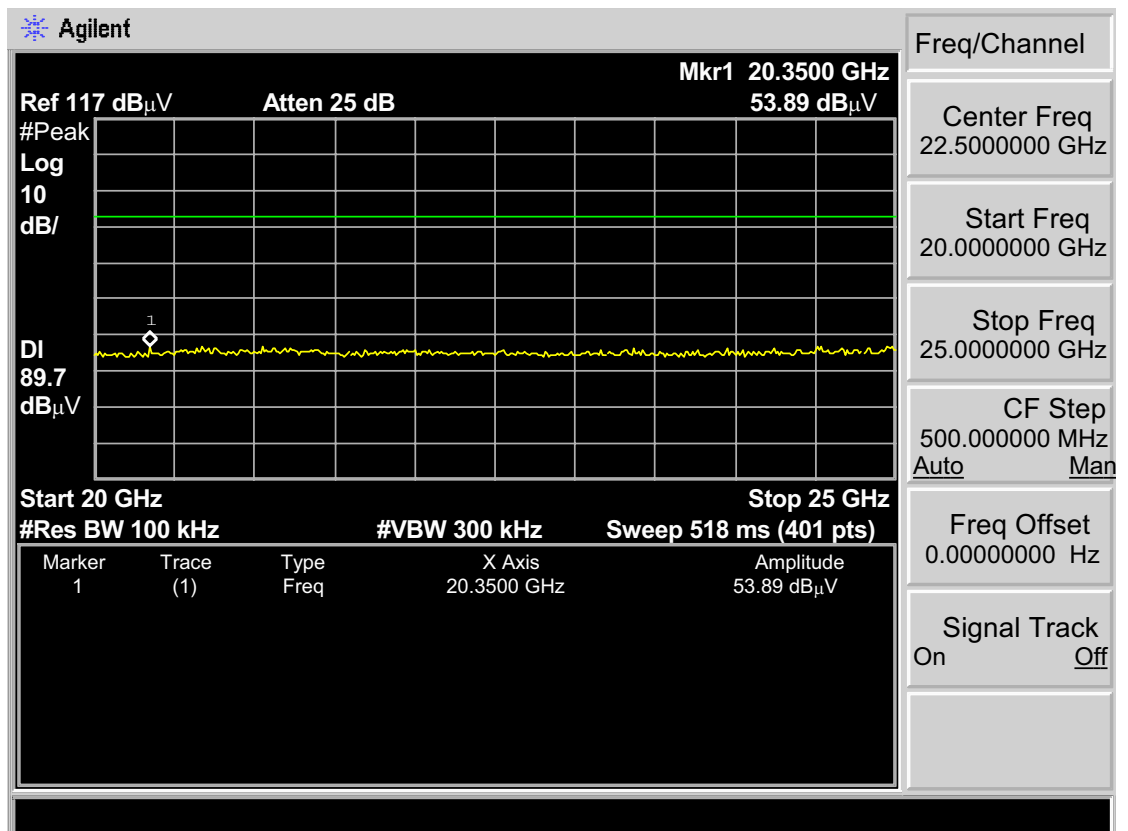
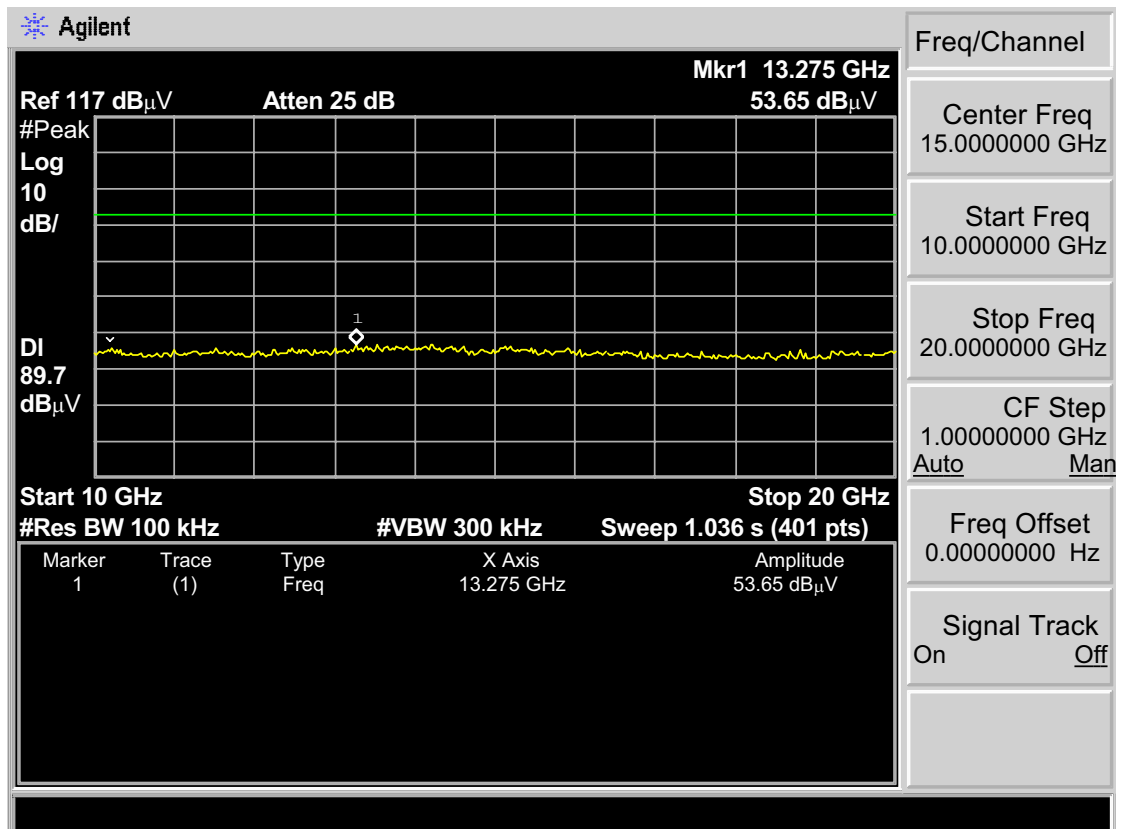


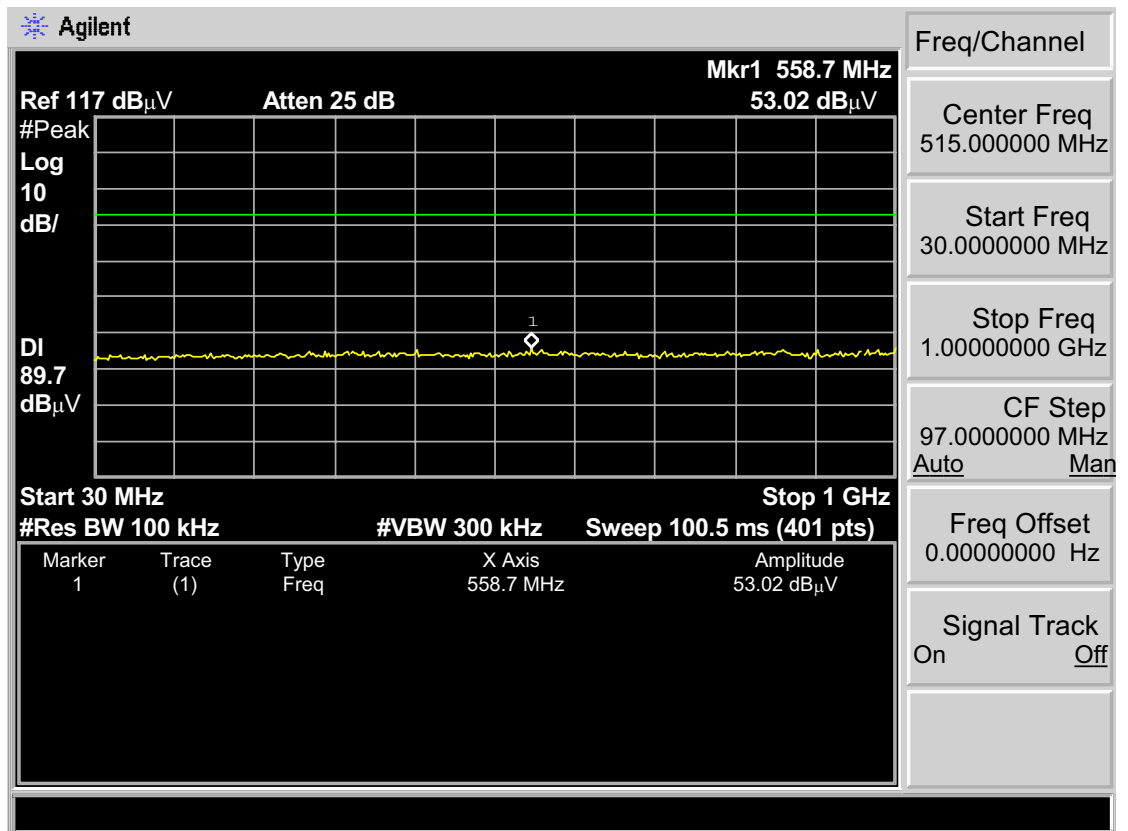


Test Mode: IEEE 802. 11g TX (Ant 2)

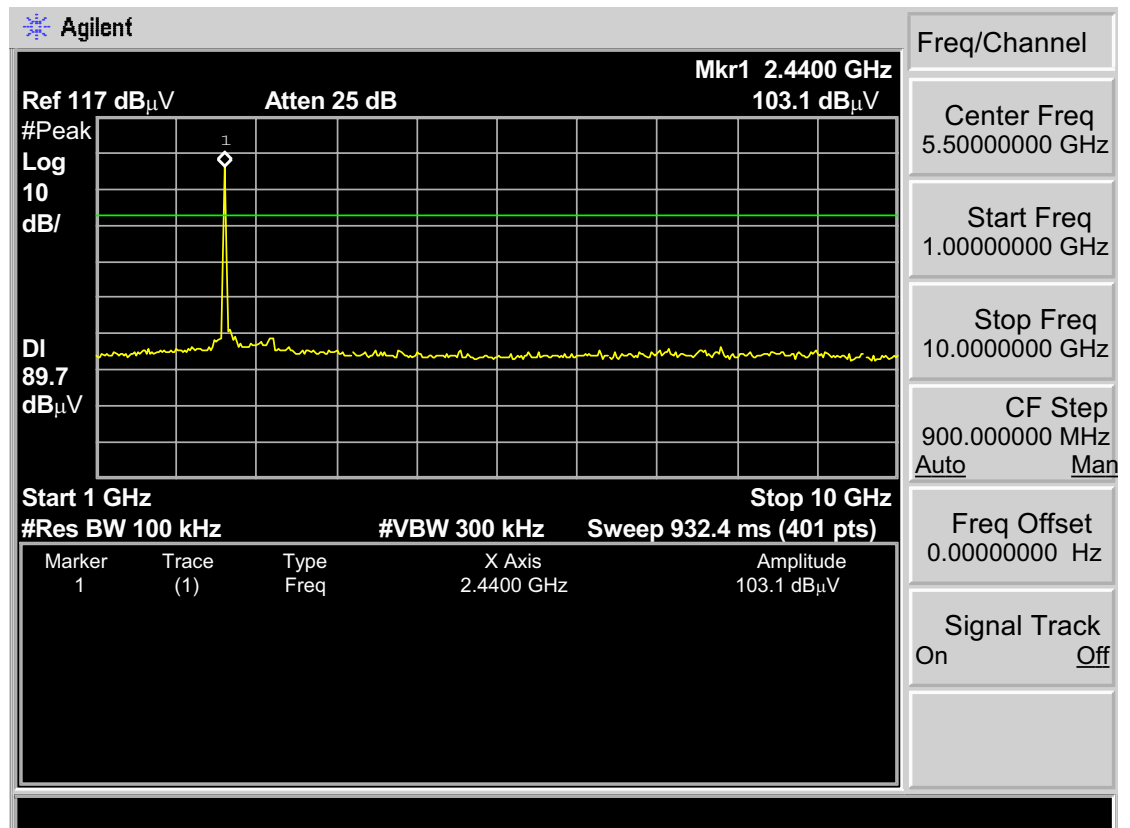
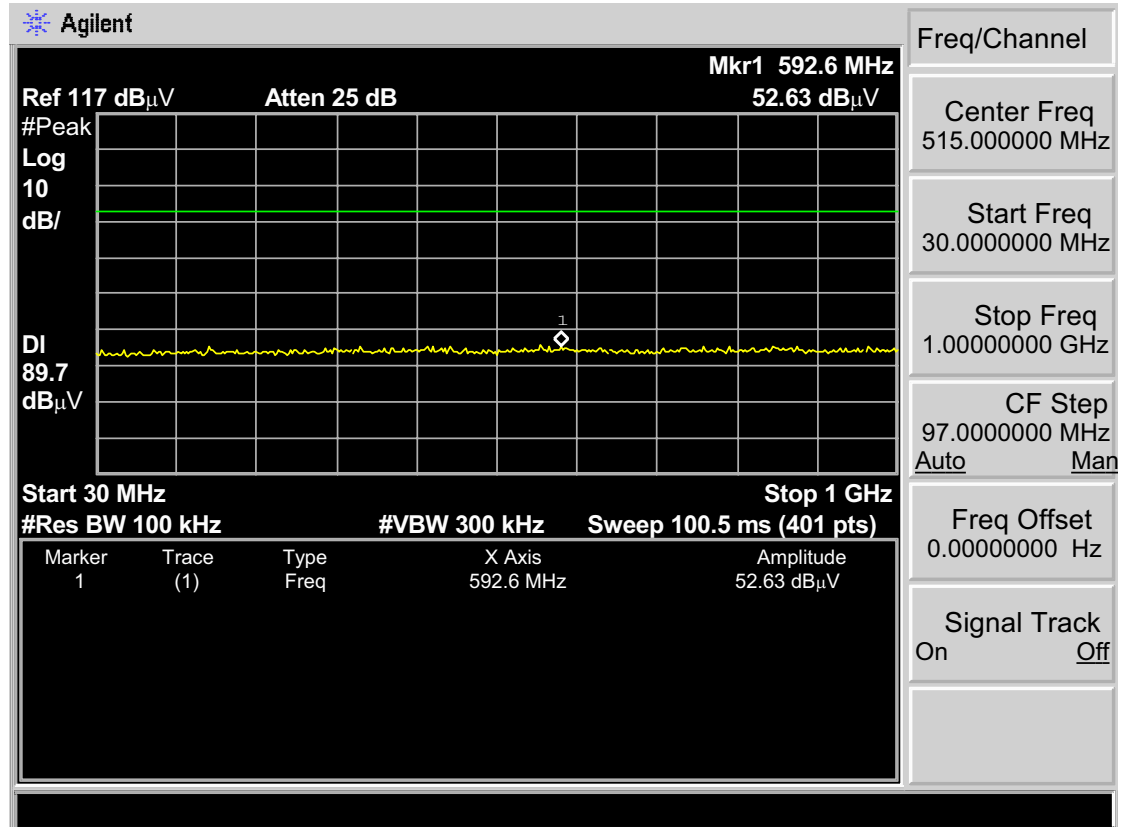
CH1

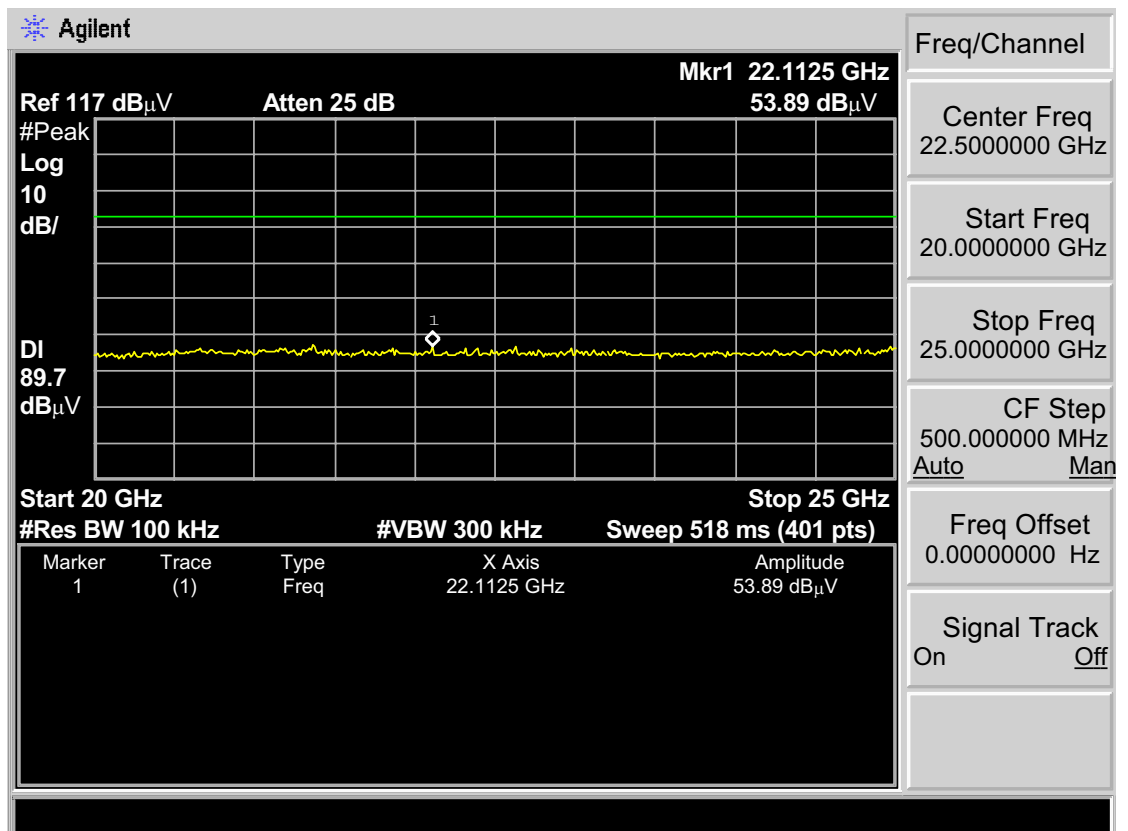
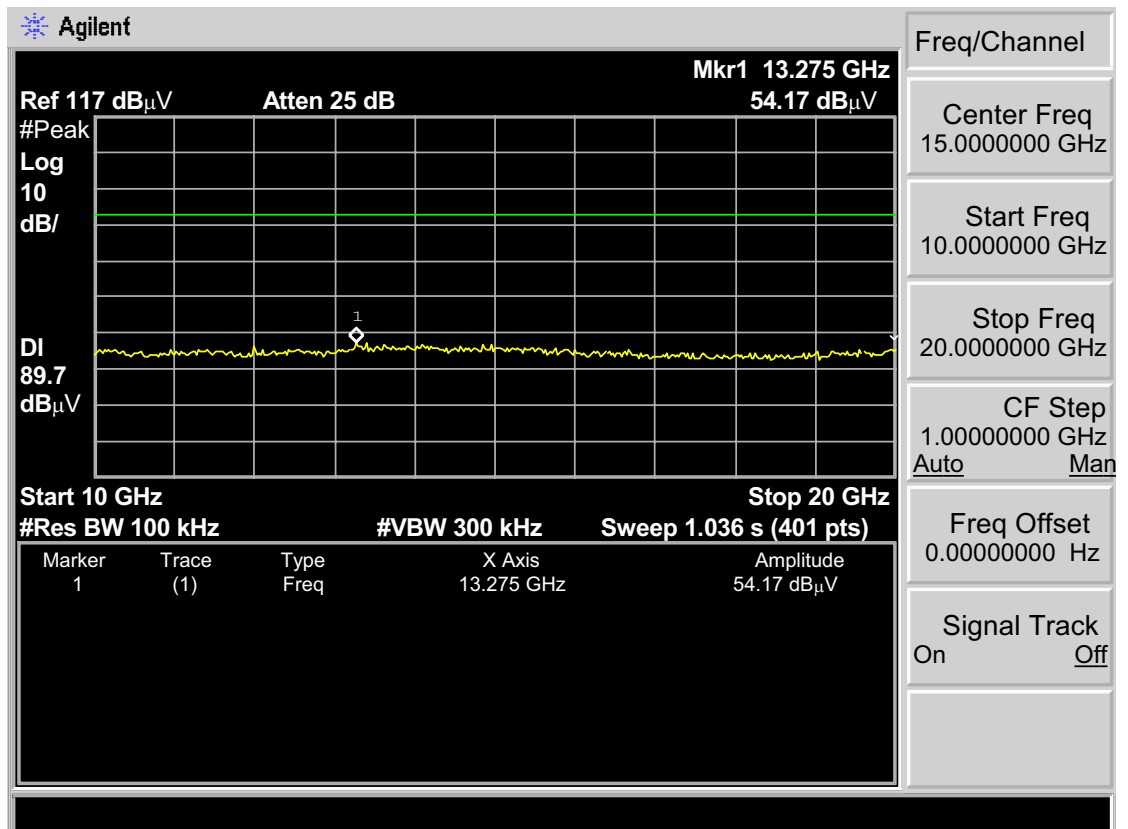




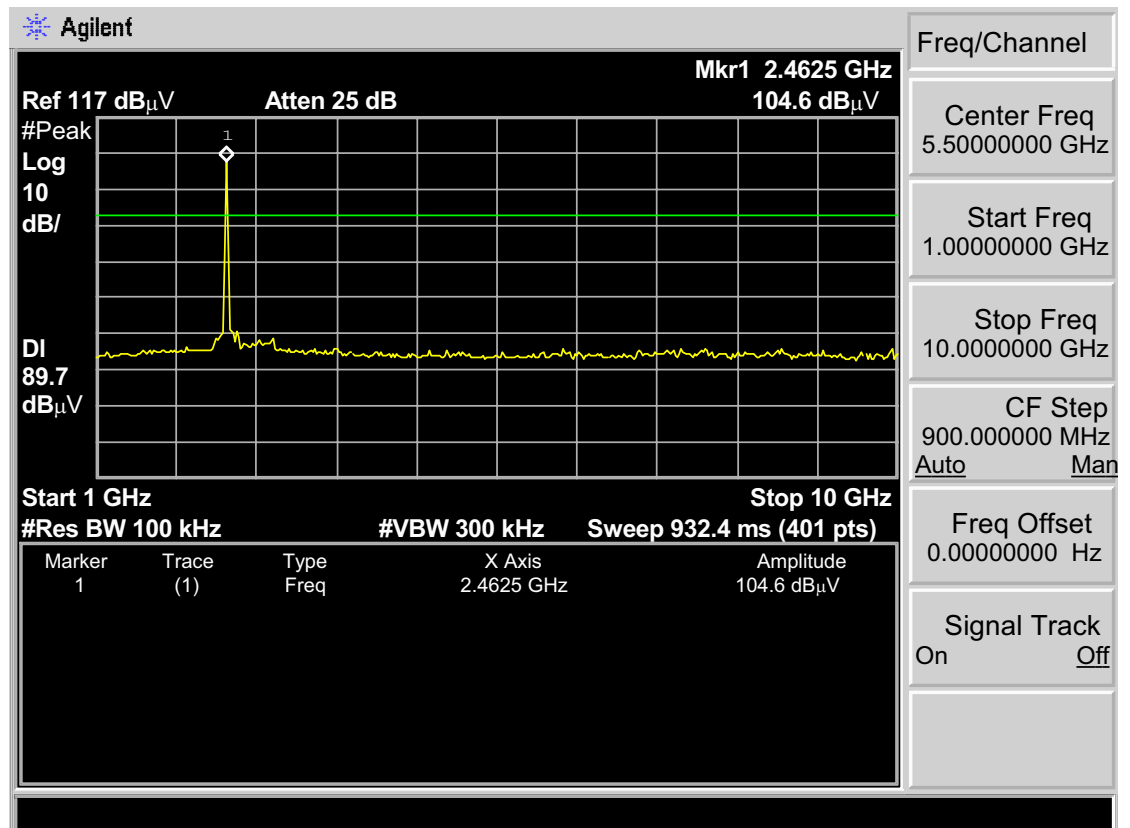
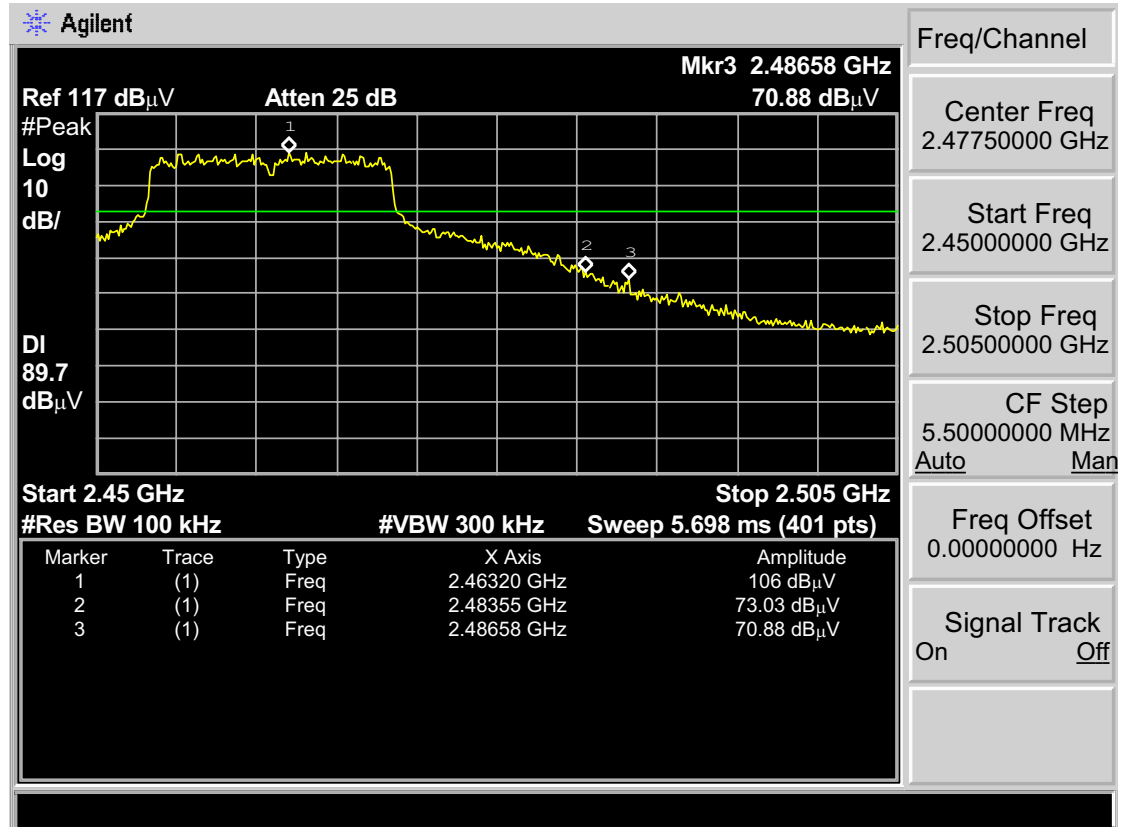


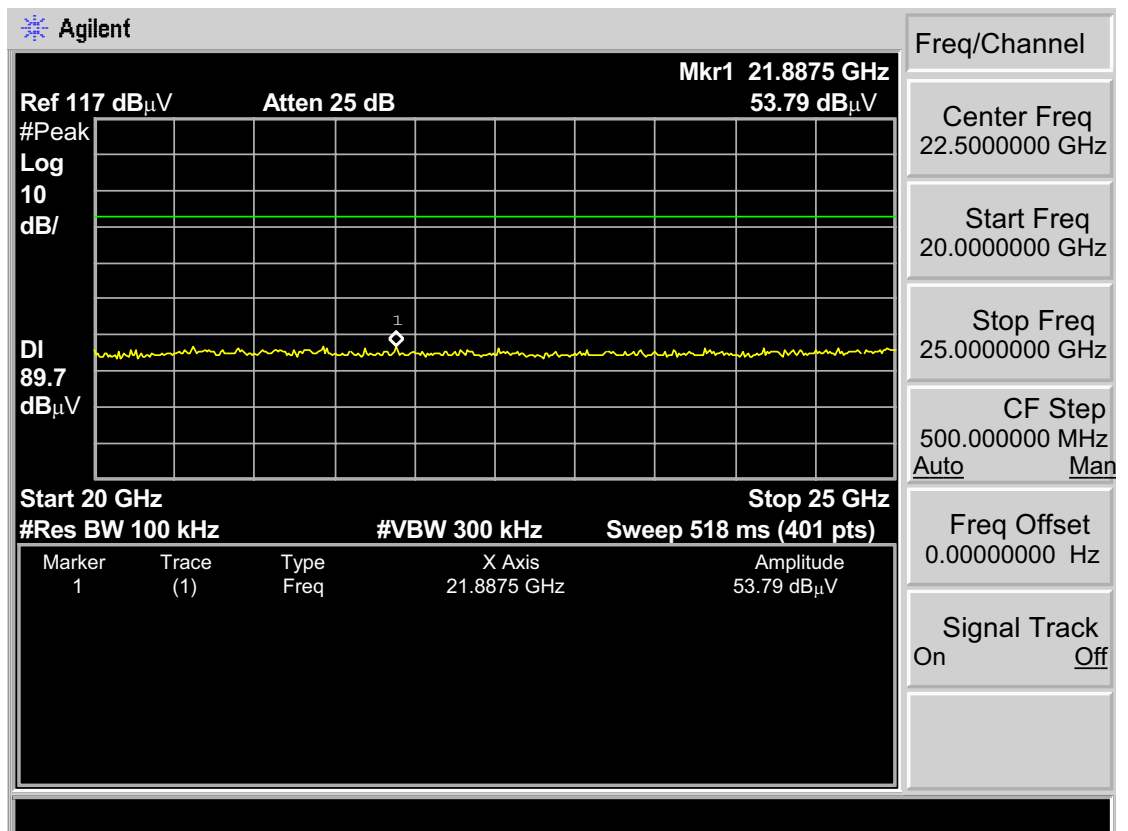
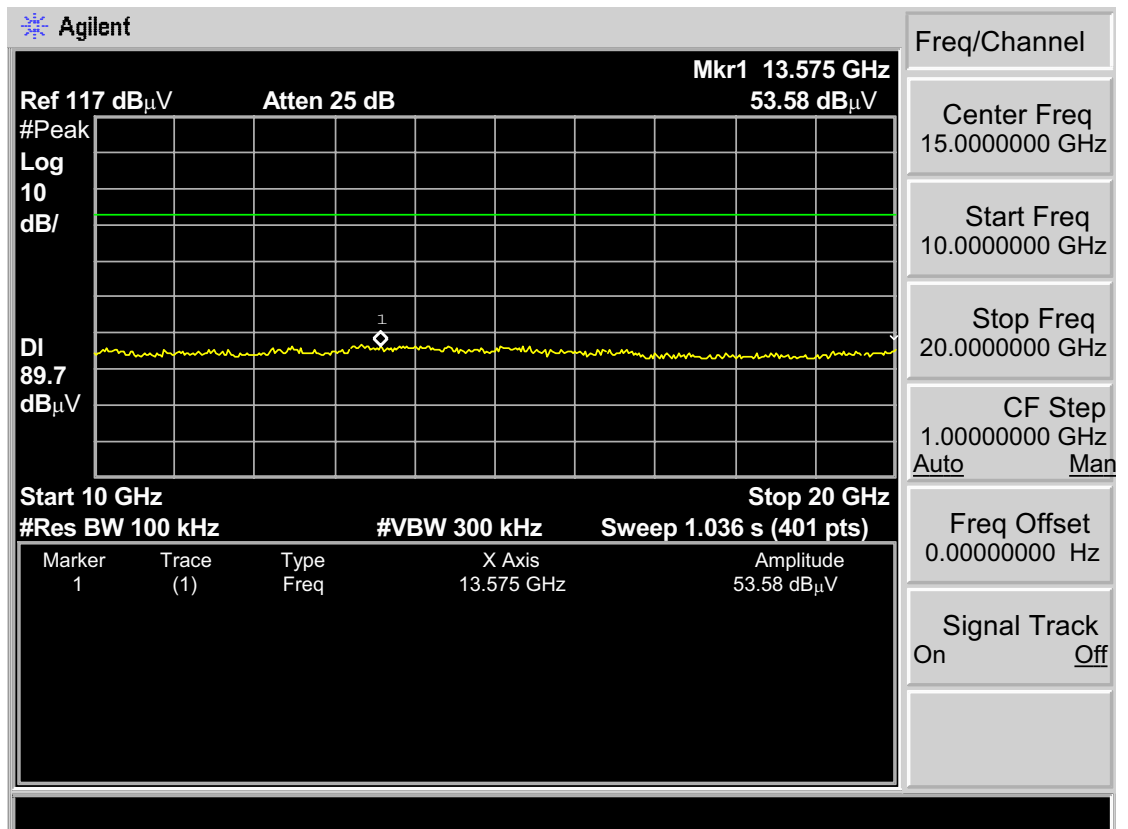
CH6

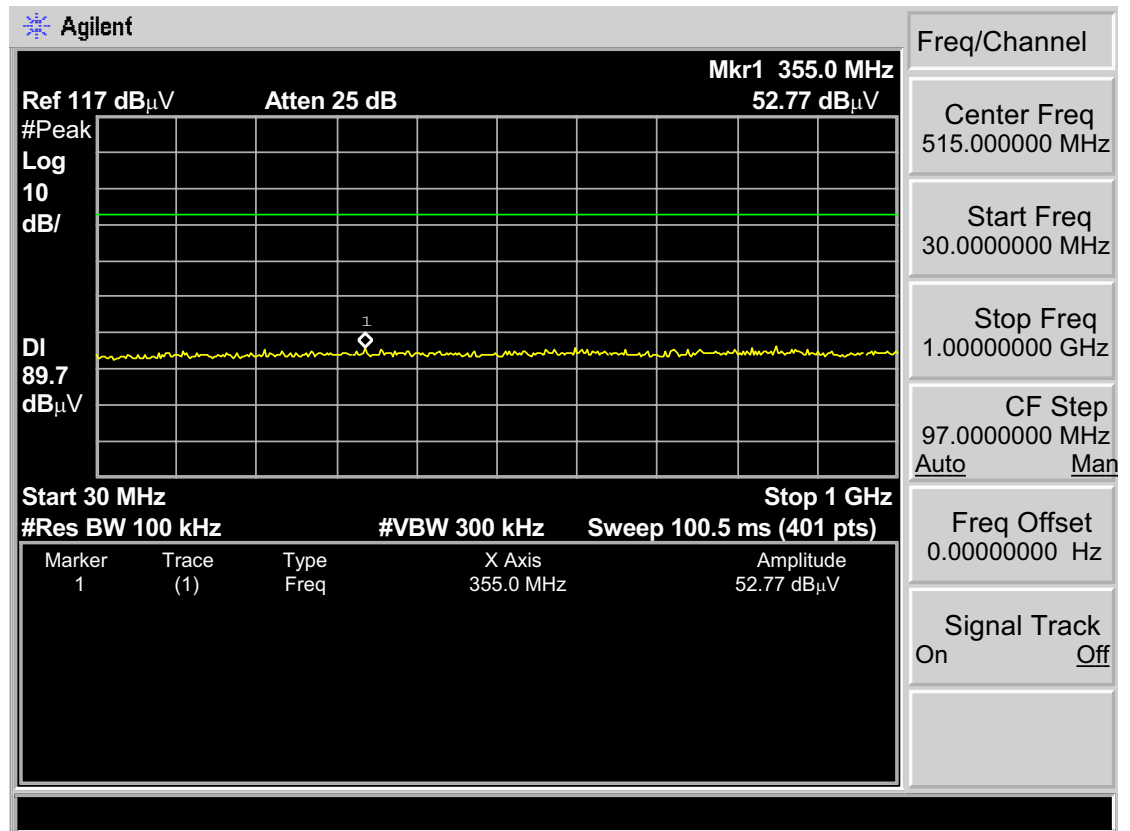




CH11







6. BAND EDGE COMPLIANCE TEST

6.1. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits

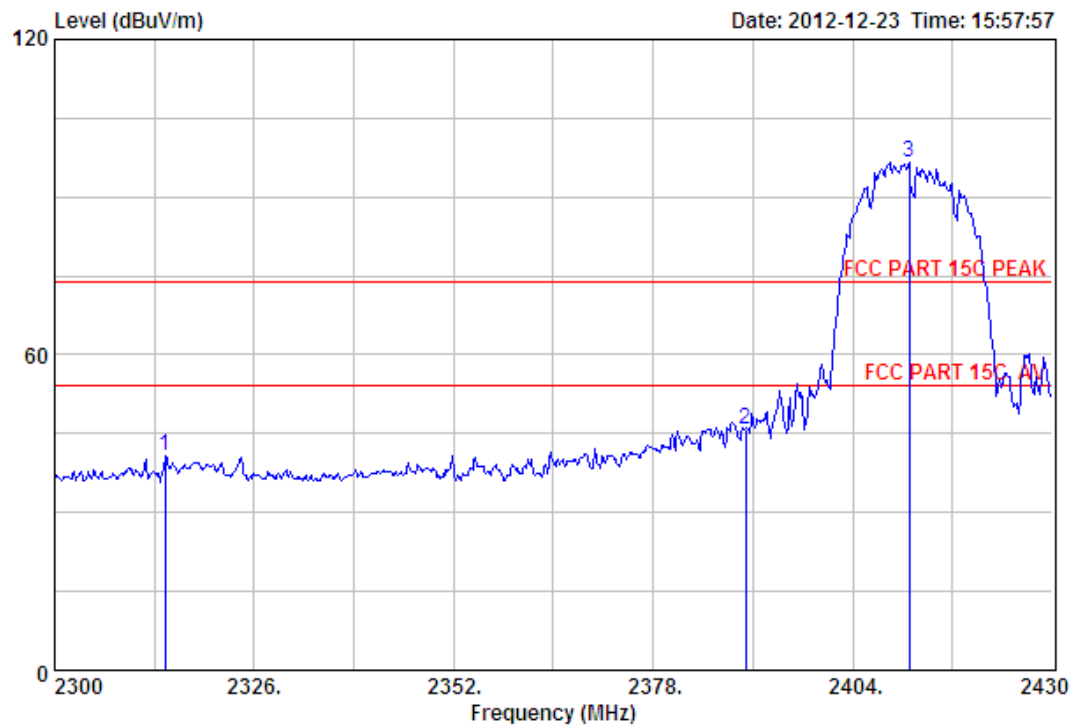
6.2. Test Procedure

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

6.3. Test Result

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

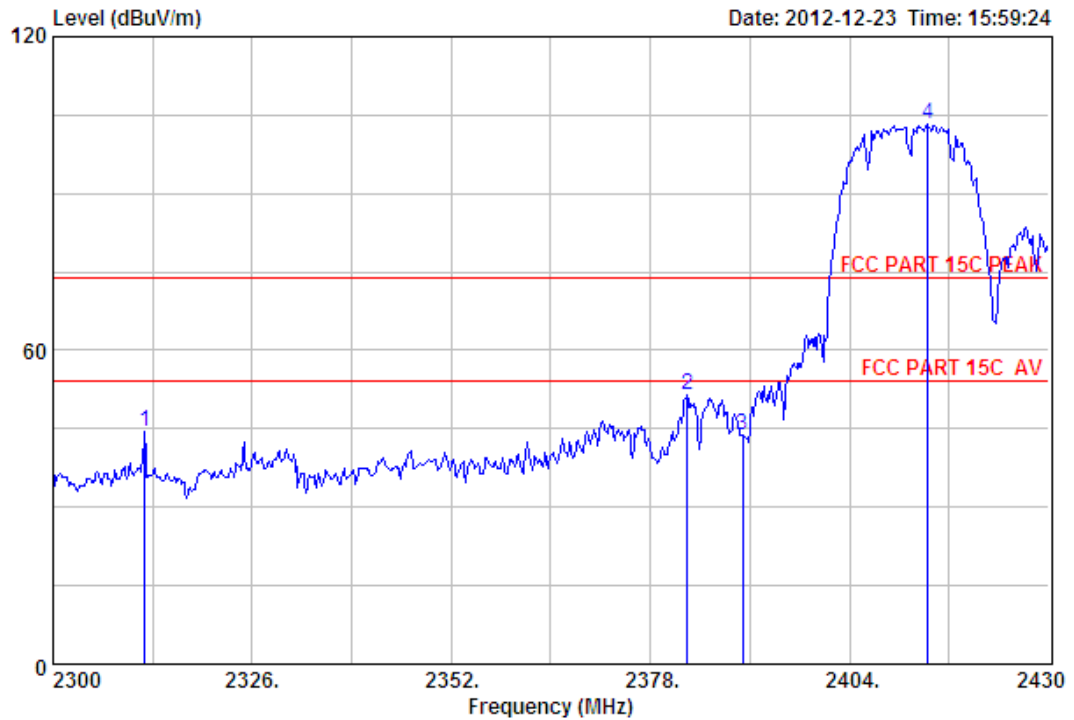
6.4. Test Data



Site no. : 3m Chamber Data no. : 296
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2314.43	27.76	6.53	34.24	40.73	40.78	74.00	33.22	Peak
2	2390.00	27.64	6.62	34.19	45.69	45.76	74.00	28.24	Peak
3	2411.41	27.60	6.64	34.15	96.41	96.50	74.00	-22.50	Peak

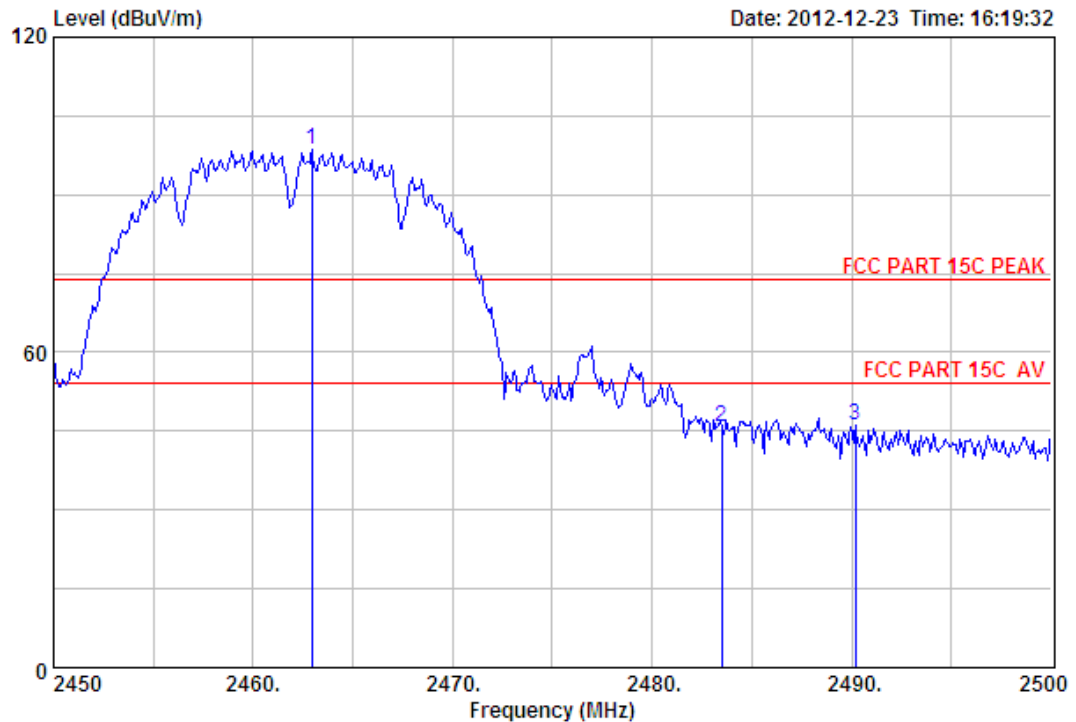
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 297
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2311.96	27.76	6.53	34.24	44.47	44.52	74.00	29.48	Peak
2	2382.81	27.64	6.60	34.19	51.44	51.49	74.00	22.51	Peak
3	2390.00	27.64	6.62	34.19	43.67	43.74	74.00	30.26	Peak
4	2414.27	27.60	6.64	34.15	103.13	103.22	74.00	-29.22	Peak

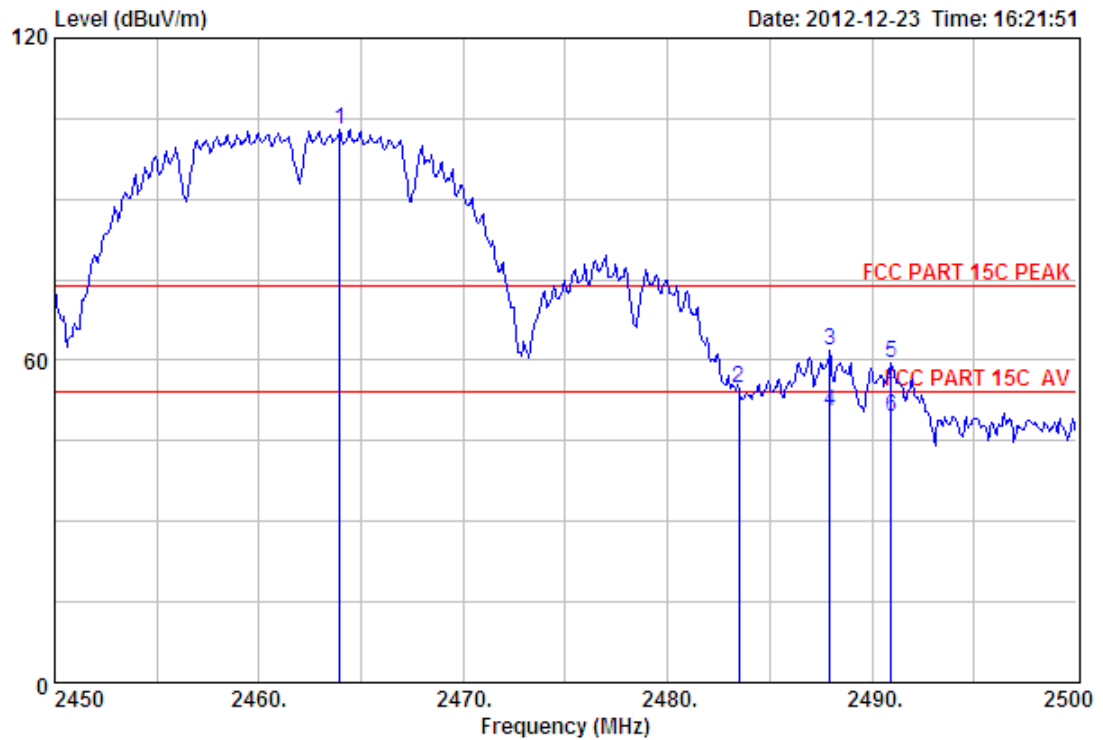
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 298
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX (ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.95	27.58	6.69	34.06	98.24	98.45	74.00	-24.45	Peak
2	2483.50	27.58	6.71	34.03	45.69	45.95	74.00	28.05	Peak
3	2490.20	27.58	6.73	34.03	45.82	46.10	74.00	27.90	Peak

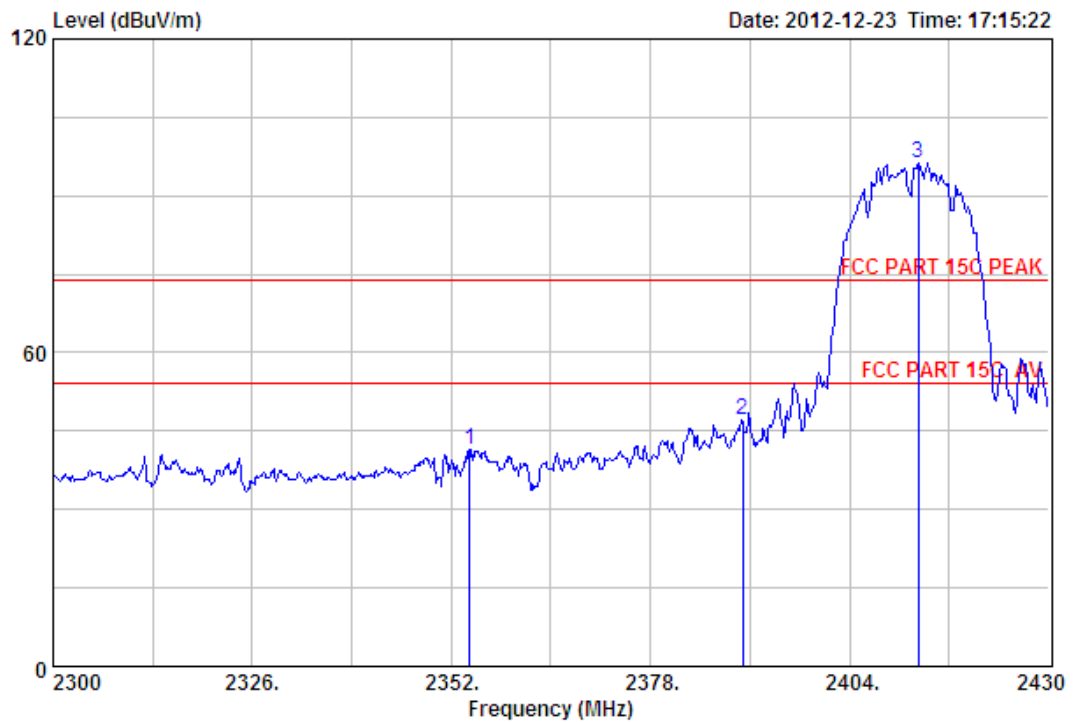
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 299
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.95	27.58	6.69	34.06	102.60	102.81	74.00	-28.81	Peak
2	2483.50	27.58	6.71	34.03	54.42	54.68	74.00	19.32	Peak
3	2487.95	27.58	6.73	34.03	61.49	61.77	74.00	12.23	Peak
4	2487.95	27.58	6.73	34.03	50.08	50.36	54.00	3.64	Average
5	2490.95	27.58	6.73	34.03	59.37	59.65	74.00	14.35	Peak
6	2490.95	27.58	6.73	34.03	49.08	49.36	54.00	4.64	Average

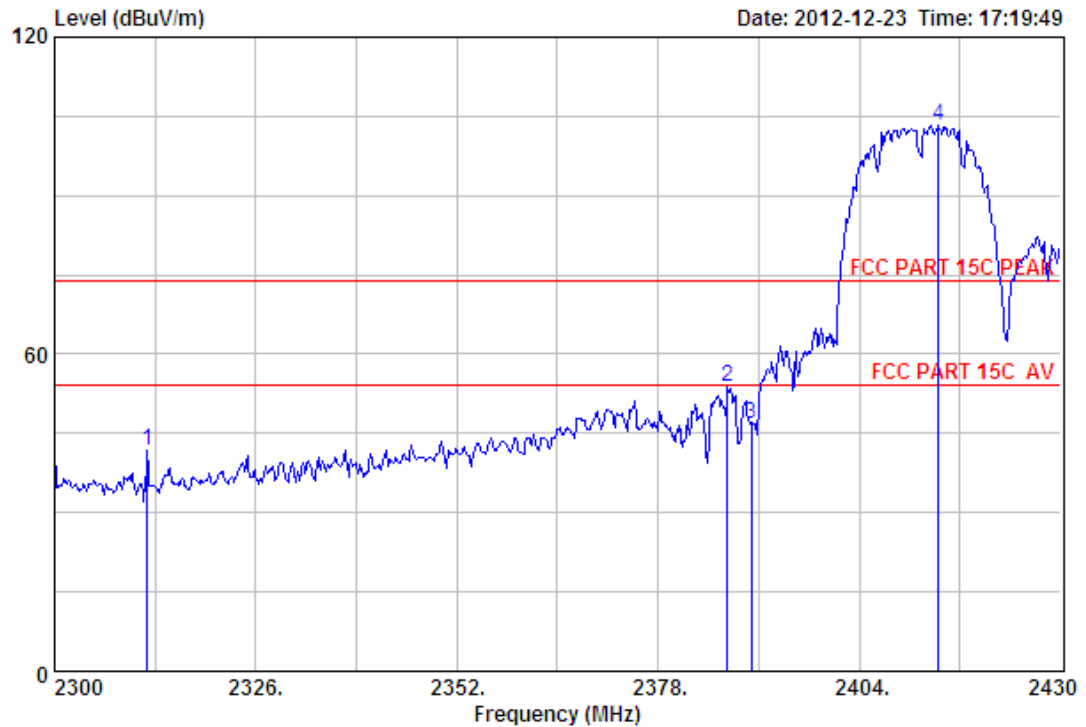
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 304
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2354.34	27.70	6.58	34.22	41.50	41.56	74.00	32.44	Peak
2	2390.00	27.64	6.62	34.19	46.90	46.97	74.00	27.03	Peak
3	2412.97	27.60	6.64	34.15	96.20	96.29	74.00	-22.29	Peak

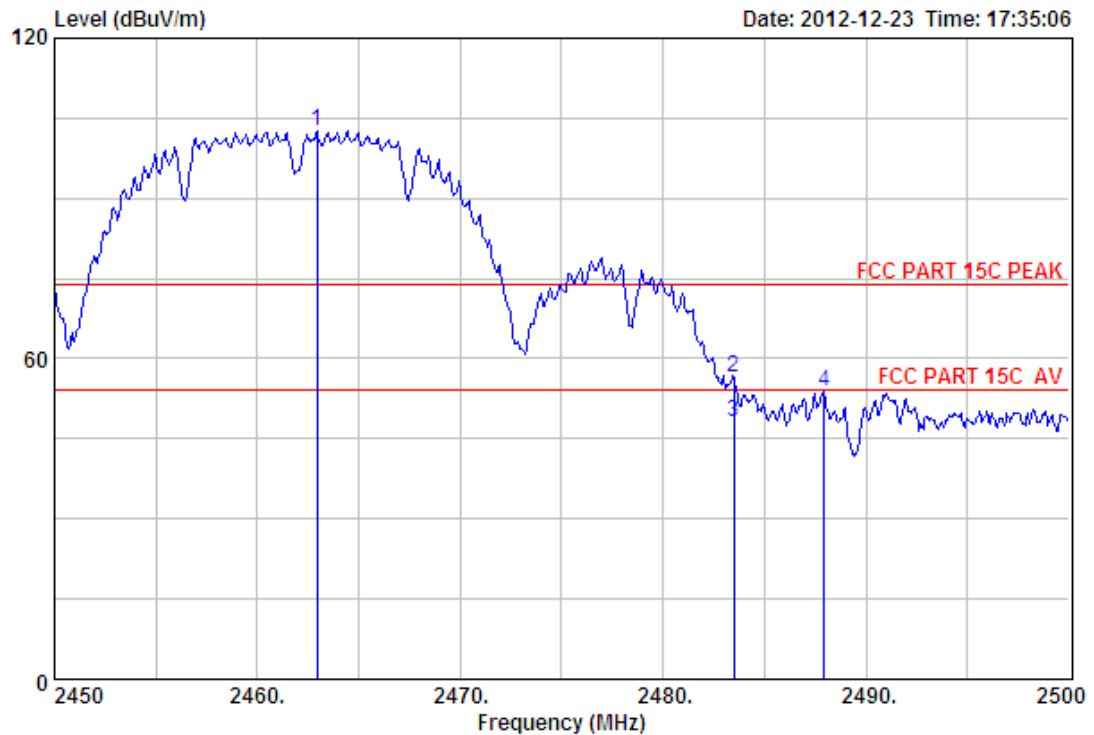
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 305
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH1 2412TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2311.96	27.76	6.53	34.24	41.66	41.71	74.00	32.29	Peak
2	2386.97	27.64	6.62	34.19	53.58	53.65	74.00	20.35	Peak
3	2390.00	27.64	6.62	34.19	46.81	46.88	74.00	27.12	Peak
4	2414.27	27.60	6.64	34.15	103.13	103.22	74.00	-29.22	Peak

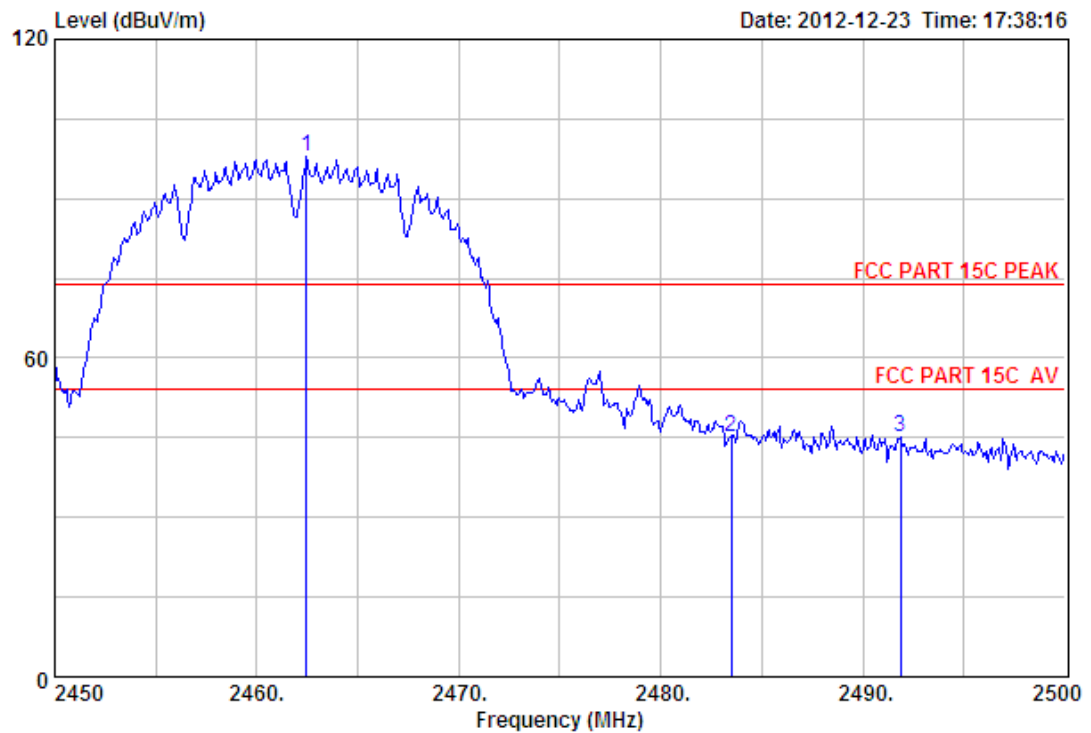
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 306
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX (ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.95	27.58	6.69	34.06	102.34	102.55	74.00	-28.55	Peak
2	2483.50	27.58	6.71	34.03	56.08	56.34	74.00	17.66	Peak
3	2483.50	27.58	6.71	34.03	47.94	48.20	54.00	5.80	Average
4	2487.95	27.58	6.73	34.03	53.38	53.66	74.00	20.34	Peak

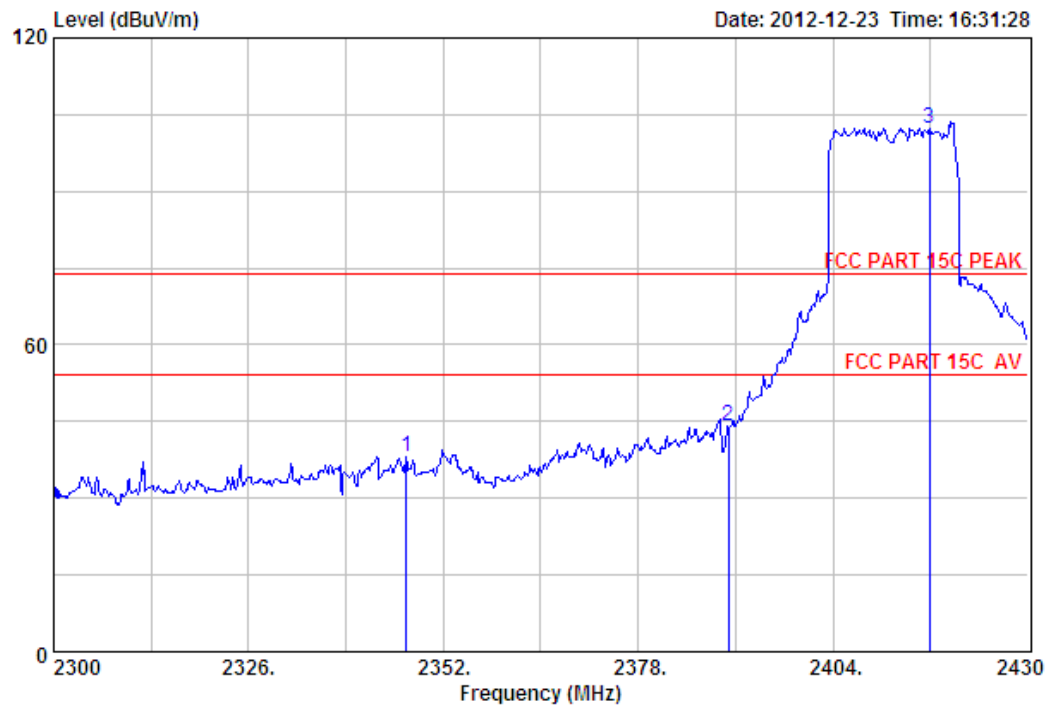
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 307
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11b CH11 2462TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.45	27.58	6.69	34.06	97.61	97.82	74.00	-23.82	Peak
2	2483.50	27.58	6.71	34.03	45.02	45.28	74.00	28.72	Peak
3	2491.85	27.58	6.73	34.03	45.01	45.29	74.00	28.71	Peak

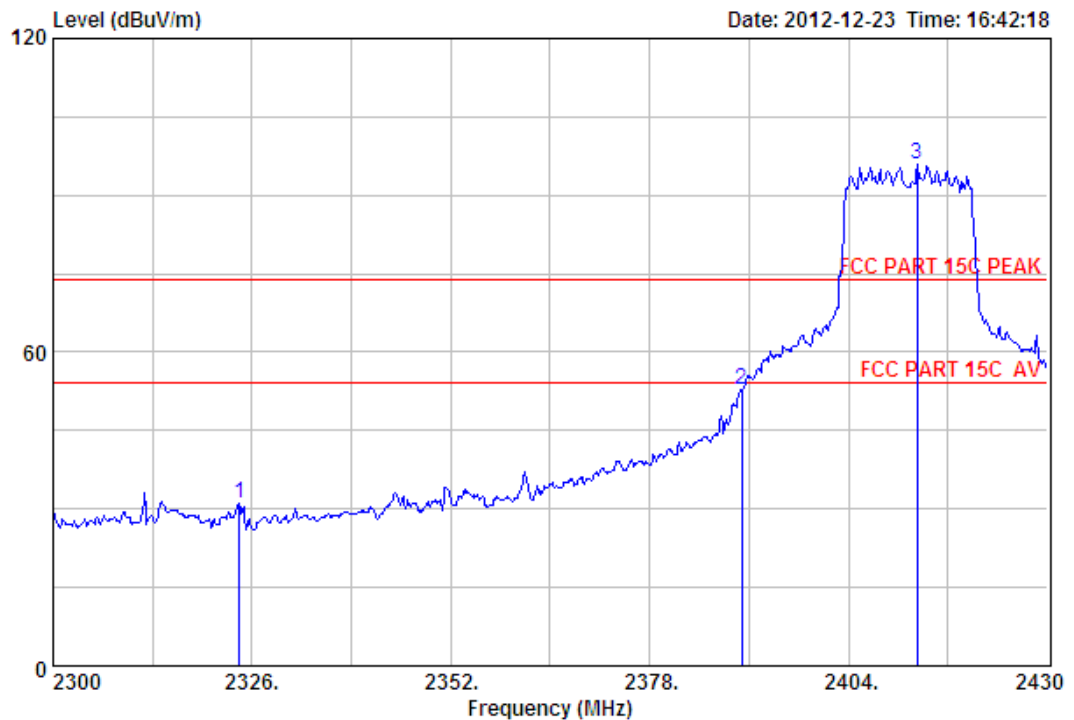
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 300
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX (ANT 1)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2347.06	27.70	6.56	34.22	37.92	37.96	74.00	36.04	Peak
2	2390.00	27.64	6.62	34.19	44.03	44.10	74.00	29.90	Peak
3	2416.87	27.60	6.64	34.15	102.21	102.30	74.00	-28.30	Peak

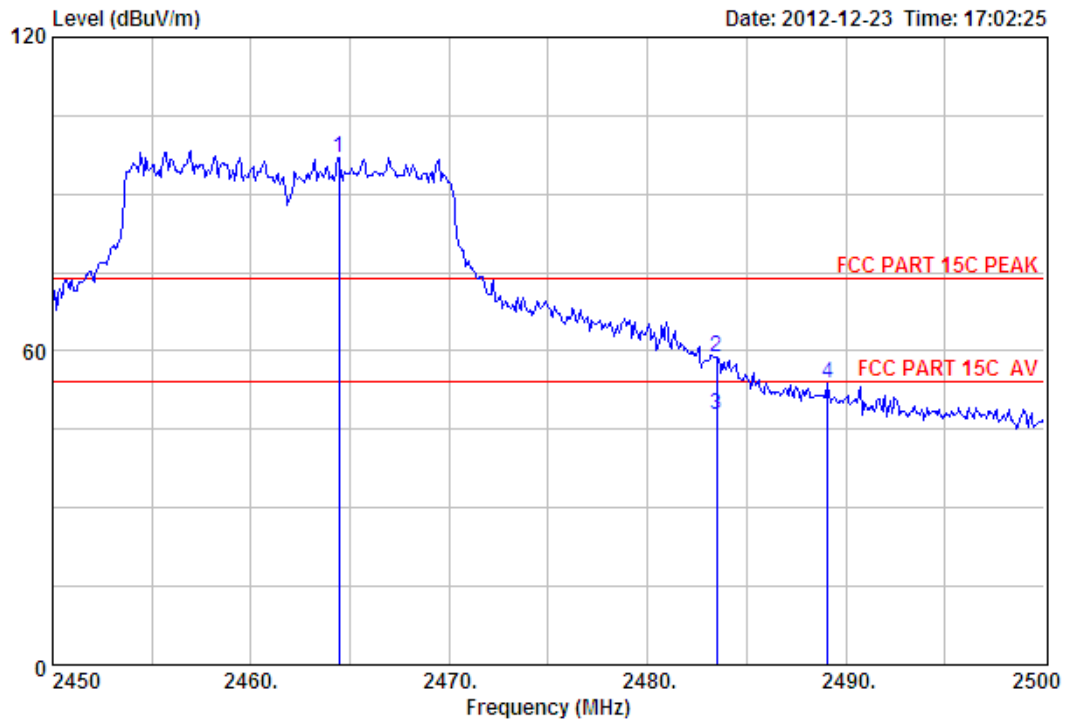
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 301
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2324.31	27.73	6.54	34.23	31.10	31.14	74.00	42.86	Peak
2	2390.00	27.64	6.62	34.19	52.63	52.70	74.00	21.30	Peak
3	2412.97	27.60	6.64	34.15	95.70	95.79	74.00	-21.79	Peak

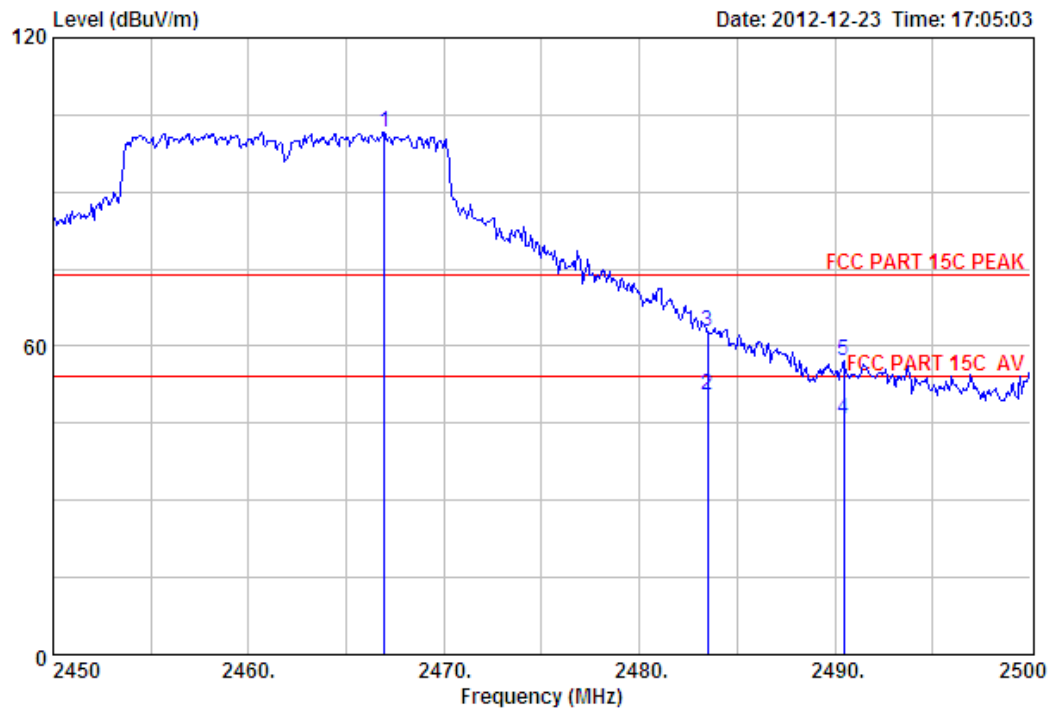
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 302
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2464.45	27.58	6.69	34.06	96.82	97.03	74.00	-23.03	Peak
2	2483.50	27.58	6.71	34.03	58.56	58.82	74.00	15.18	Peak
3	2483.50	27.58	6.71	34.03	47.56	47.82	54.00	6.18	Average
4	2489.10	27.58	6.73	34.03	53.46	53.74	74.00	20.26	Peak

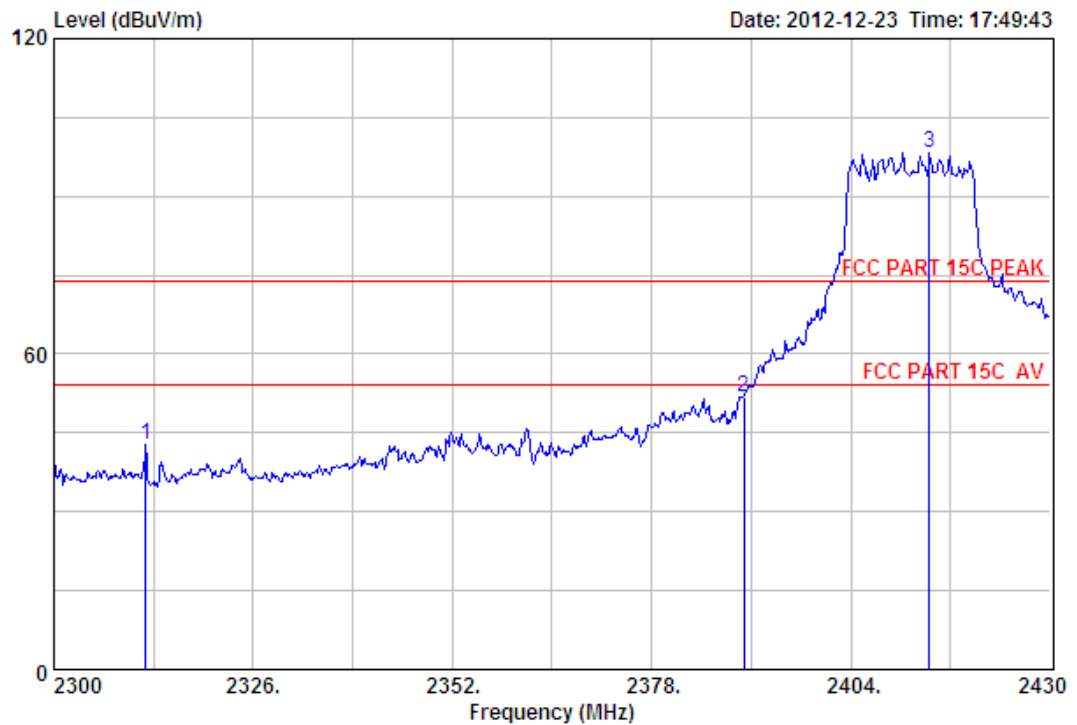
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 303
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 1)

	Ant.	Cable	Amp		Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2466.95	27.58	6.69	34.06	101.52	101.73	74.00	-27.73	Peak
2	2483.50	27.58	6.71	34.03	50.20	50.46	54.00	3.54	Average
3	2483.50	27.58	6.71	34.03	62.58	62.84	74.00	11.16	Peak
4	2490.45	27.58	6.73	34.03	45.37	45.65	54.00	8.35	Average
5	2490.45	27.58	6.73	34.03	56.74	57.02	74.00	16.98	Peak

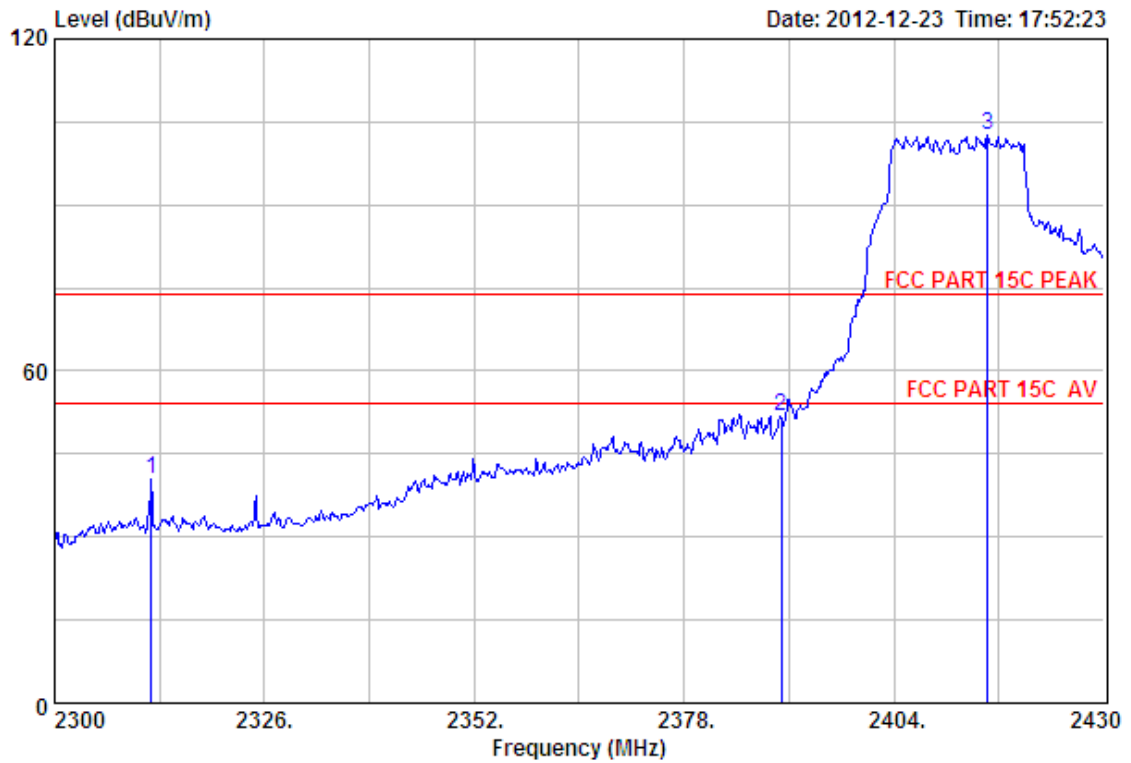
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 308
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 2)

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2311.96	27.76	6.53	34.24	42.67	42.72	74.00	31.28	Peak
2	2390.00	27.64	6.62	34.19	51.85	51.92	74.00	22.08	Peak
3	2414.27	27.60	6.64	34.15	98.14	98.23	74.00	-24.23	Peak

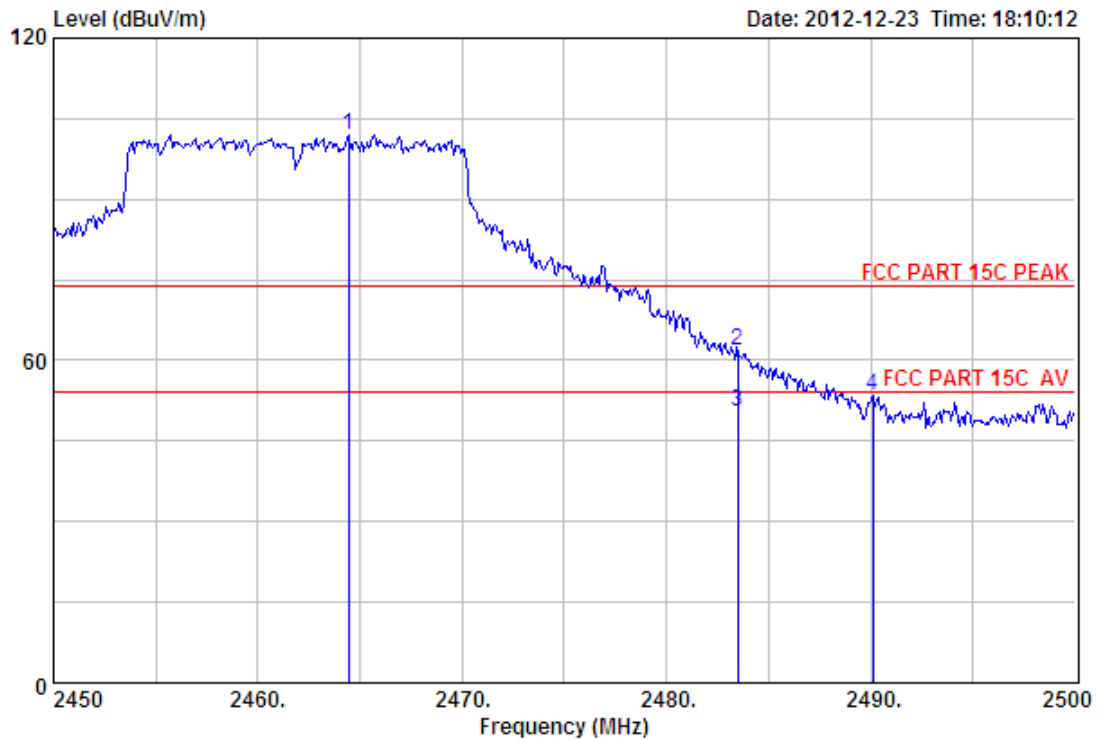
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 309
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH1 2412TX(ANT 2)

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2311.96	27.76	6.53	34.24	40.50	40.55	74.00	33.45	Peak
2	2390.00	27.64	6.62	34.19	51.73	51.80	74.00	22.20	Peak
3	2415.57	27.60	6.64	34.15	102.42	102.51	74.00	-28.51	Peak

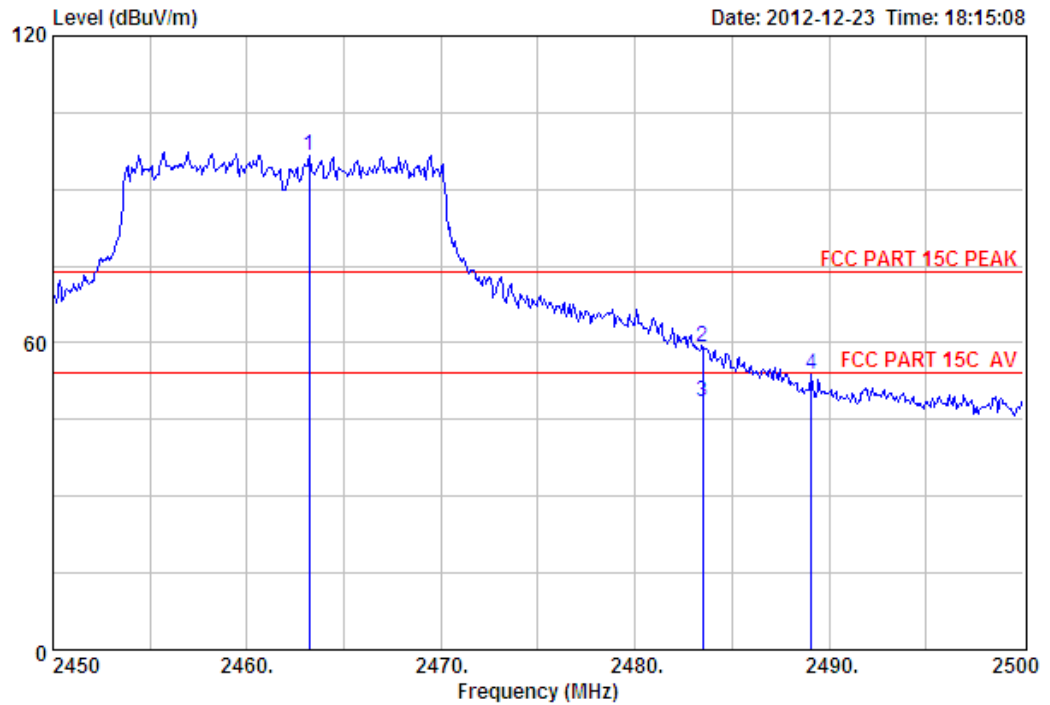
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 310
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX (ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.45	27.58	6.69	34.06	101.62	101.83	74.00	-27.83	Peak
2	2483.50	27.58	6.71	34.03	61.57	61.83	74.00	12.17	Peak
3	2483.50	27.58	6.71	34.03	50.24	50.50	54.00	3.50	Average
4	2490.10	27.58	6.73	34.03	53.35	53.63	74.00	20.37	Peak

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



Site no. : 3m Chamber Data no. : 311
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Speaker
 Power : AC 120V/60Hz
 M/N : airstream s300
 Test Mode : IEEE 802.11g CH11 2462TX(ANT 2)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.20	27.58	6.69	34.06	96.23	96.44	74.00	-22.44	Peak
2	2483.50	27.58	6.71	34.03	58.93	59.19	74.00	14.81	Peak
3	2483.50	27.58	6.71	34.03	48.24	48.50	54.00	5.50	Average
4	2489.10	27.58	6.73	34.03	53.54	53.82	74.00	20.18	Peak

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

7. 6dB Bandwidth Test

7.1. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.2. Test Procedure

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 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB

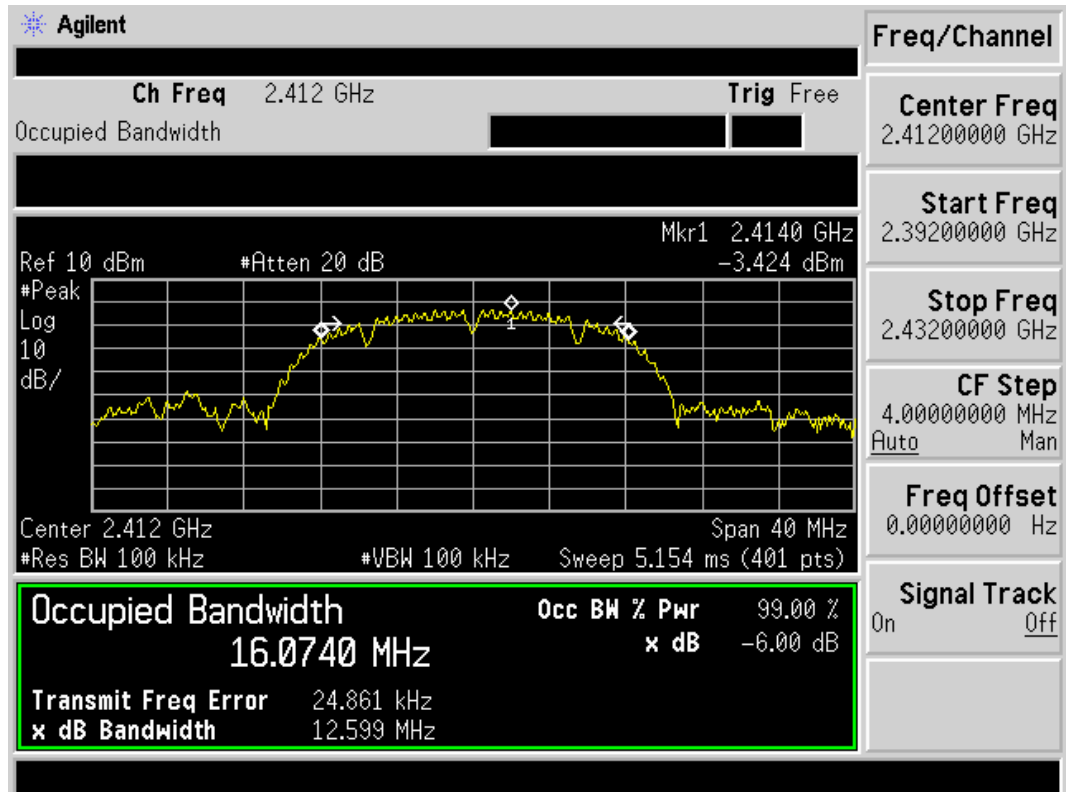
7.3. Test Result

EUT: Wireless Speaker			
M/N: airstream s300			
Test date: Dec.23, 2012		Tested by: Tony.Tang	Test site: RF Site
Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11b (Ant 1)	CH1	12.599	>500
	CH6	12.631	>500
	CH11	12.627	>500
11g (Ant 1)	CH1	16.494	>500
	CH6	16.492	>500
	CH11	16.412	>500
11b (Ant 2)	CH1	12.116	>500
	CH6	12.629	>500
	CH11	12.177	>500
11g (Ant 2)	CH1	16.552	>500
	CH6	16.402	>500
	CH11	16.429	>500
Conclusion : PASS			

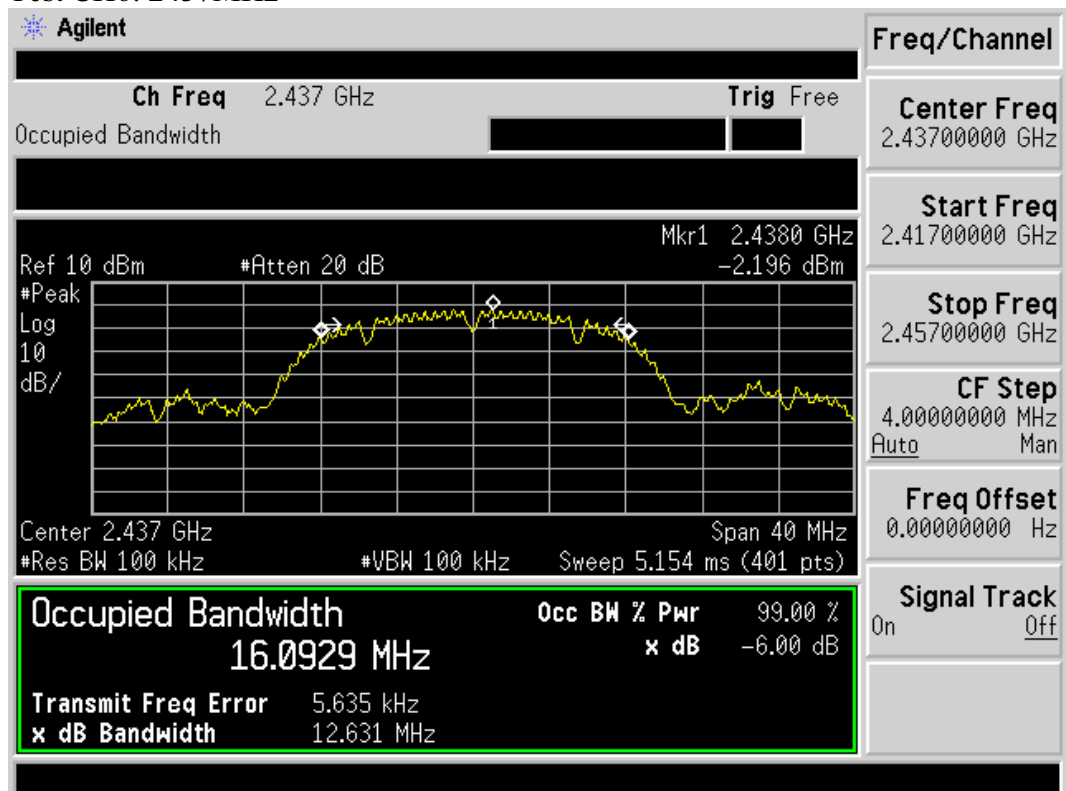
7.4. Test Data

Test Mode: IEEE 802.11b TX (Ant 1)

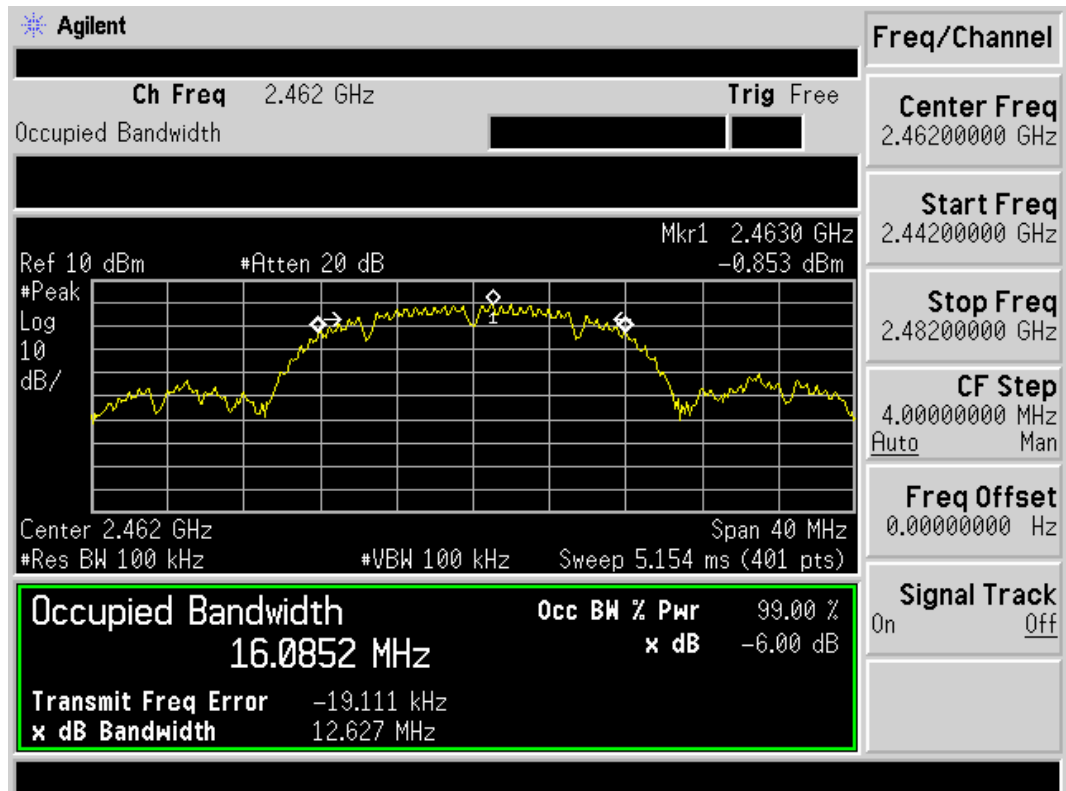
Test CH1: 2412MHz



Test CH6: 2437MHz

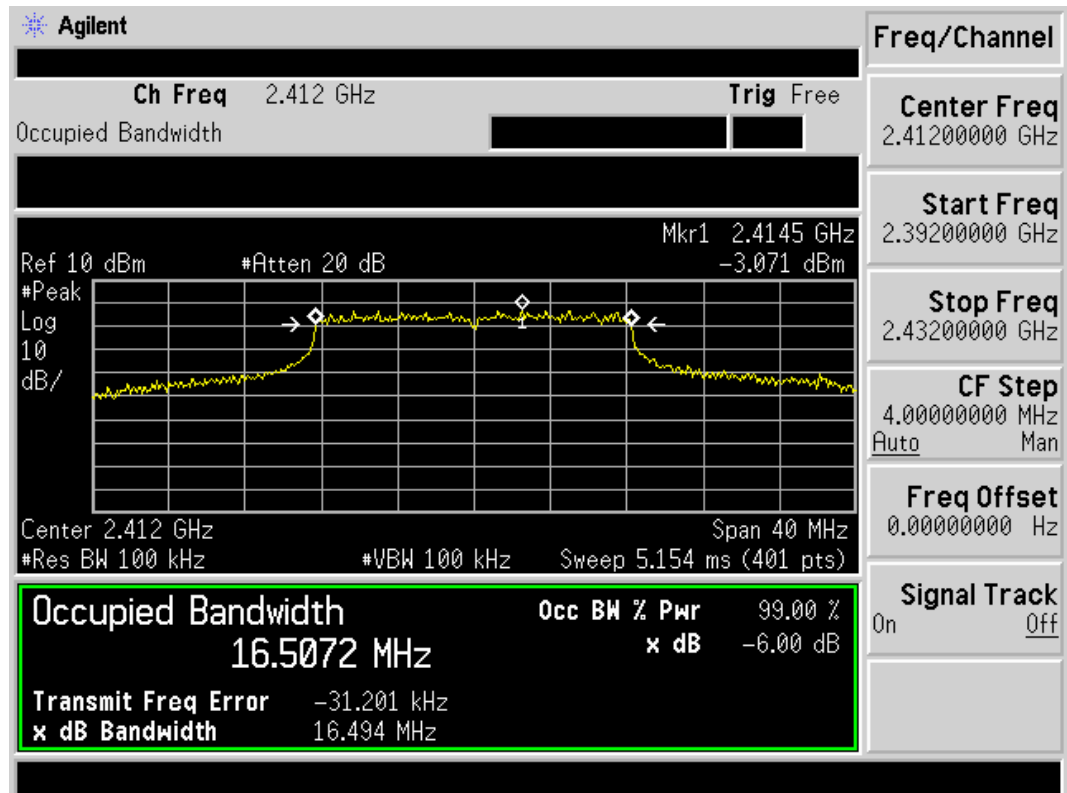


Test CH11: 2462MHz

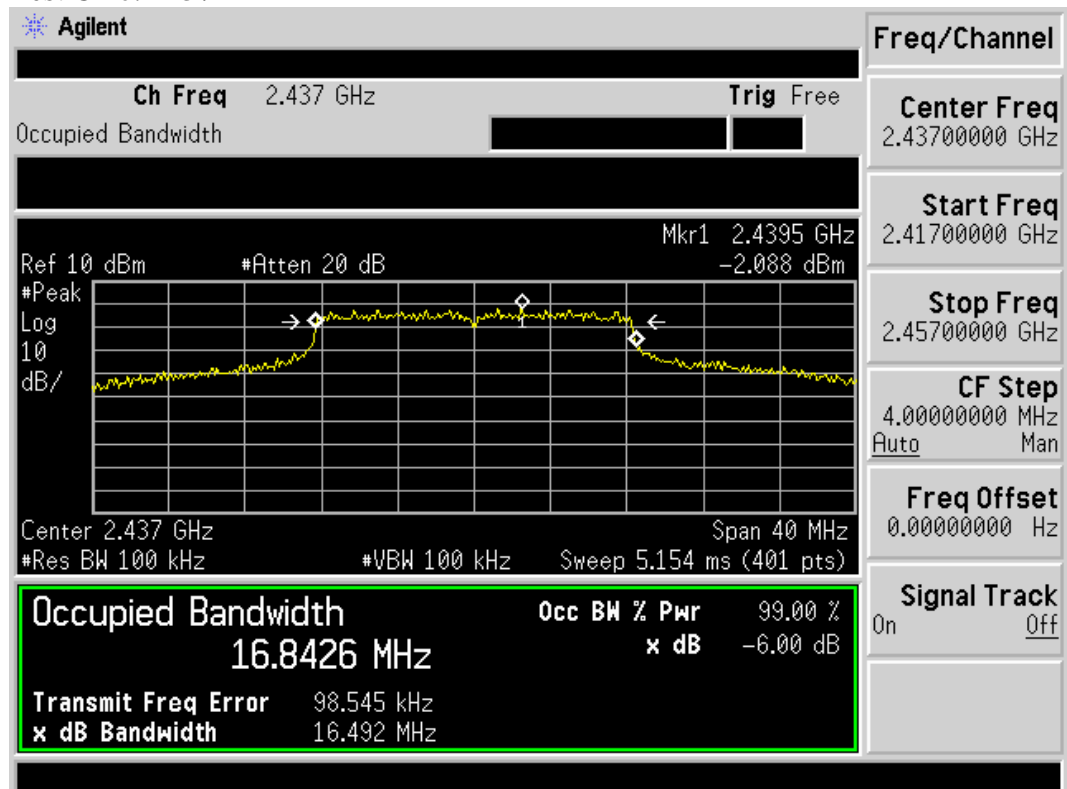


Test Mode: IEEE 802.11g TX (Ant 1)

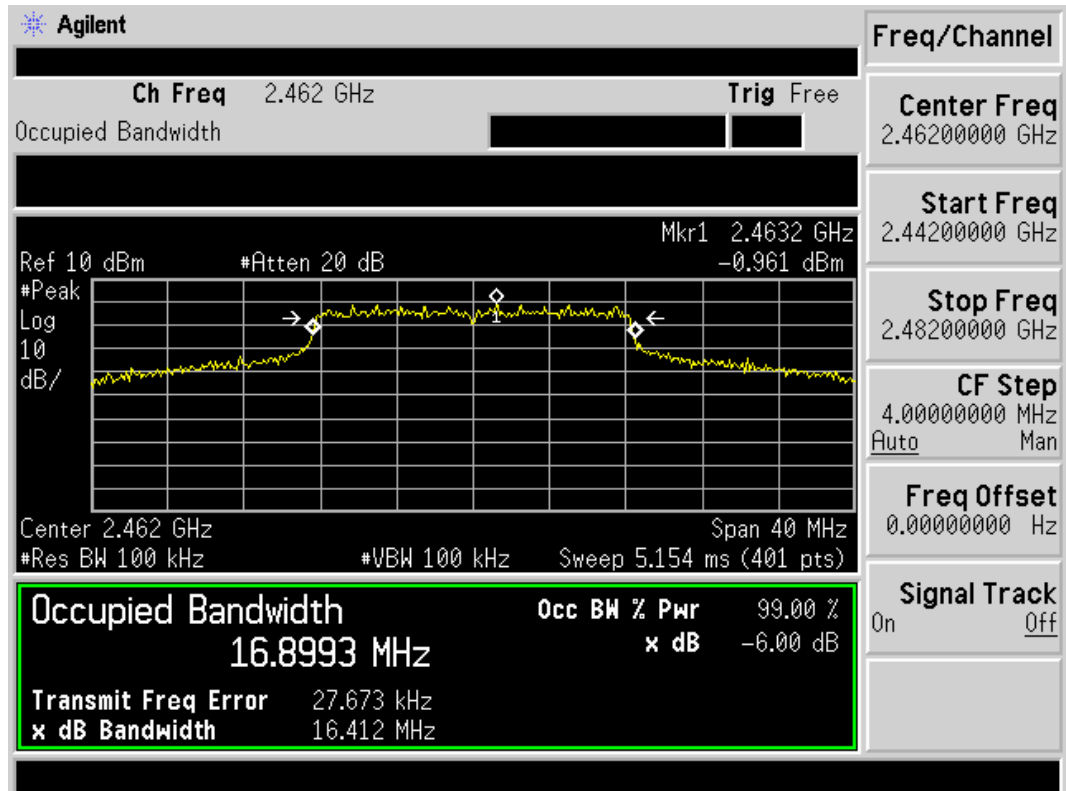
Test CH1: 2412MHz



Test CH6: 2437MHz

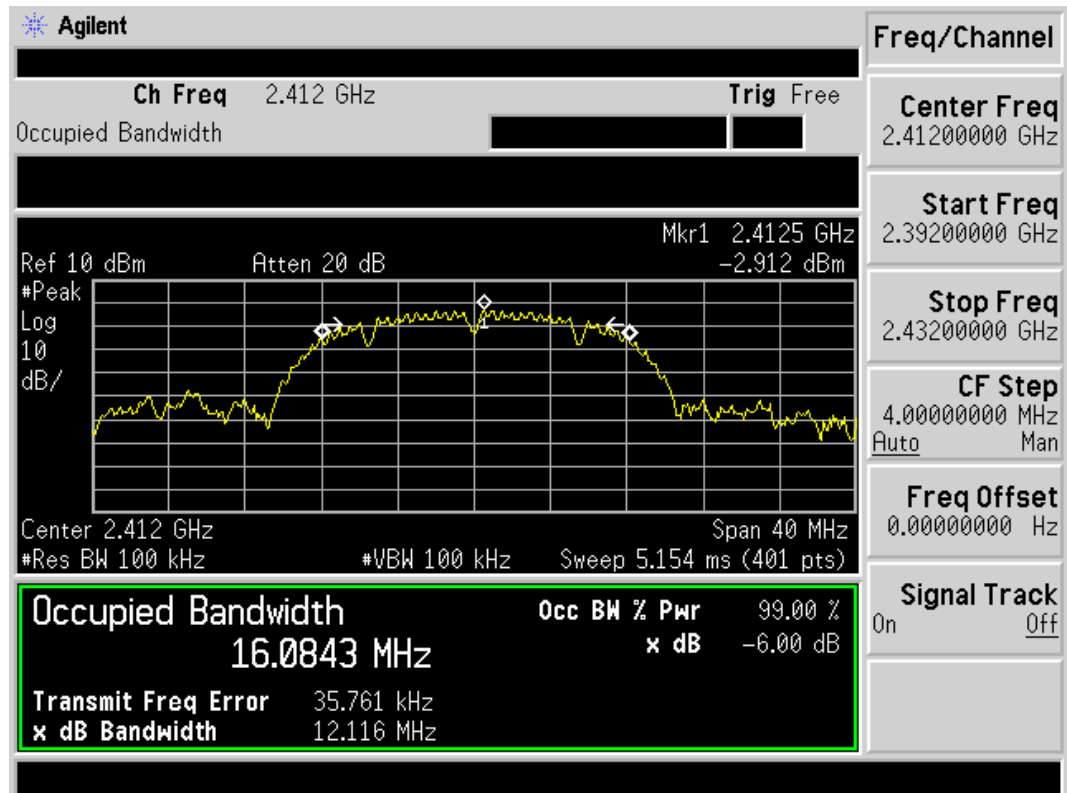


Test CH11: 2462MHz

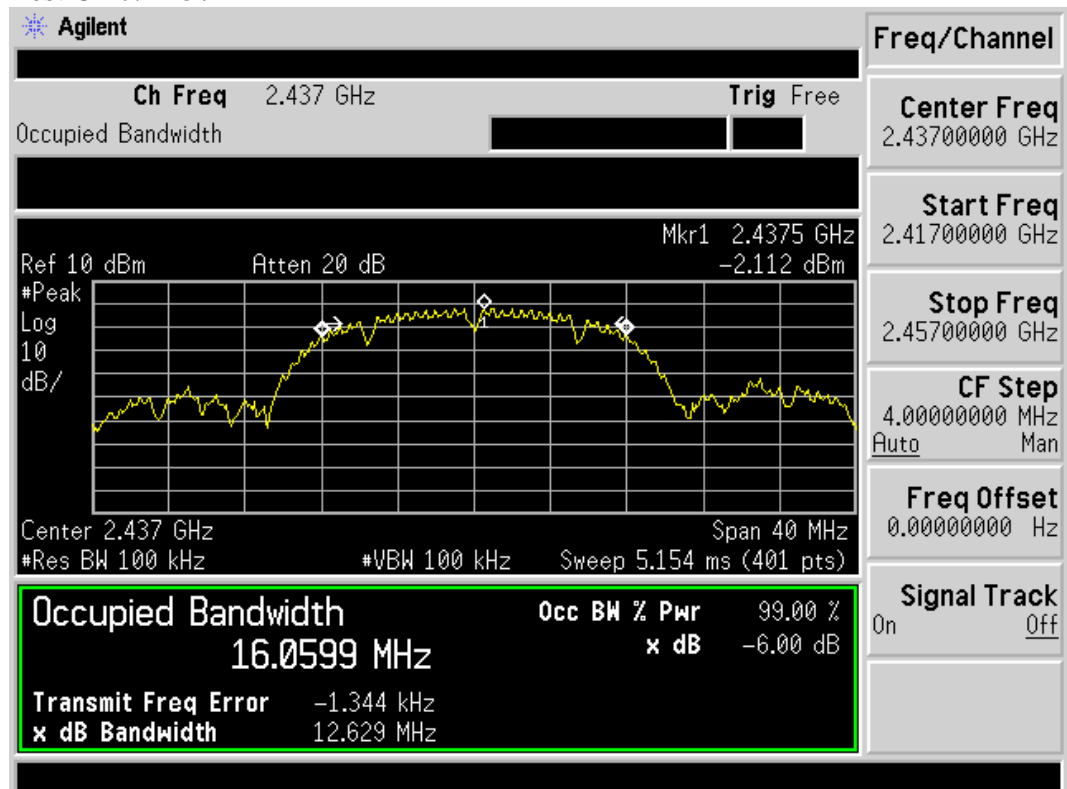


Test Mode: IEEE 802. 11b TX (Ant 2)

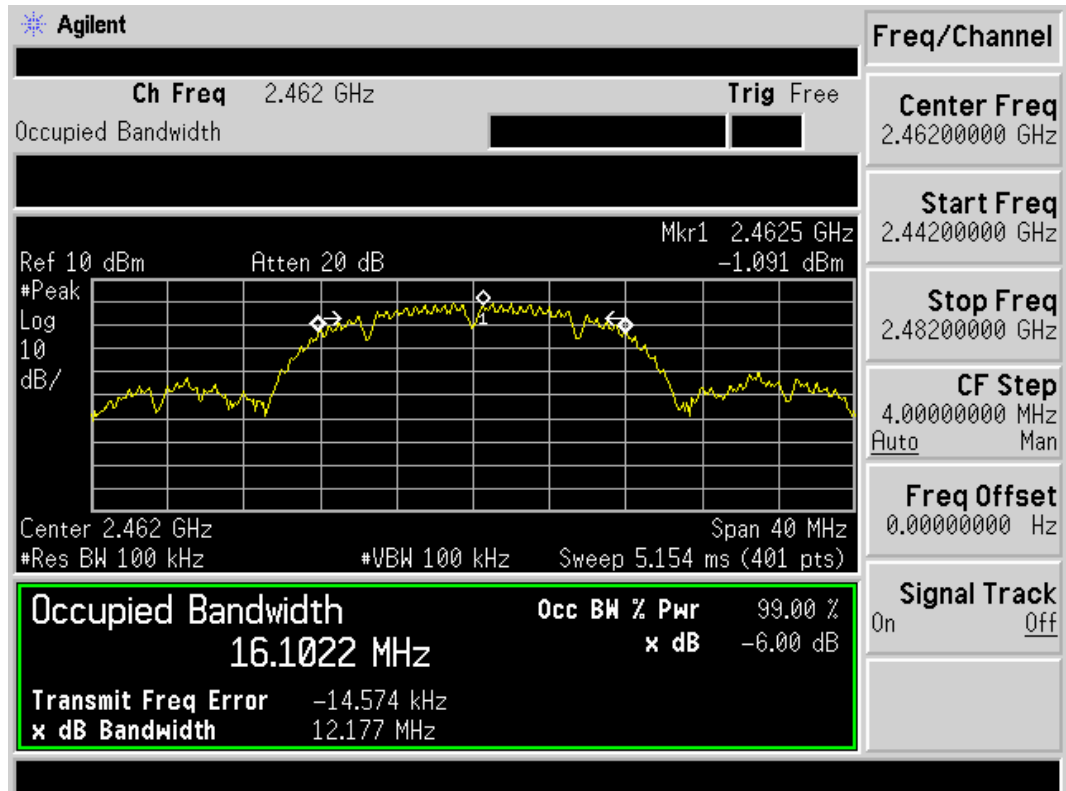
Test CH1: 2412MHz



Test CH6: 2437MHz

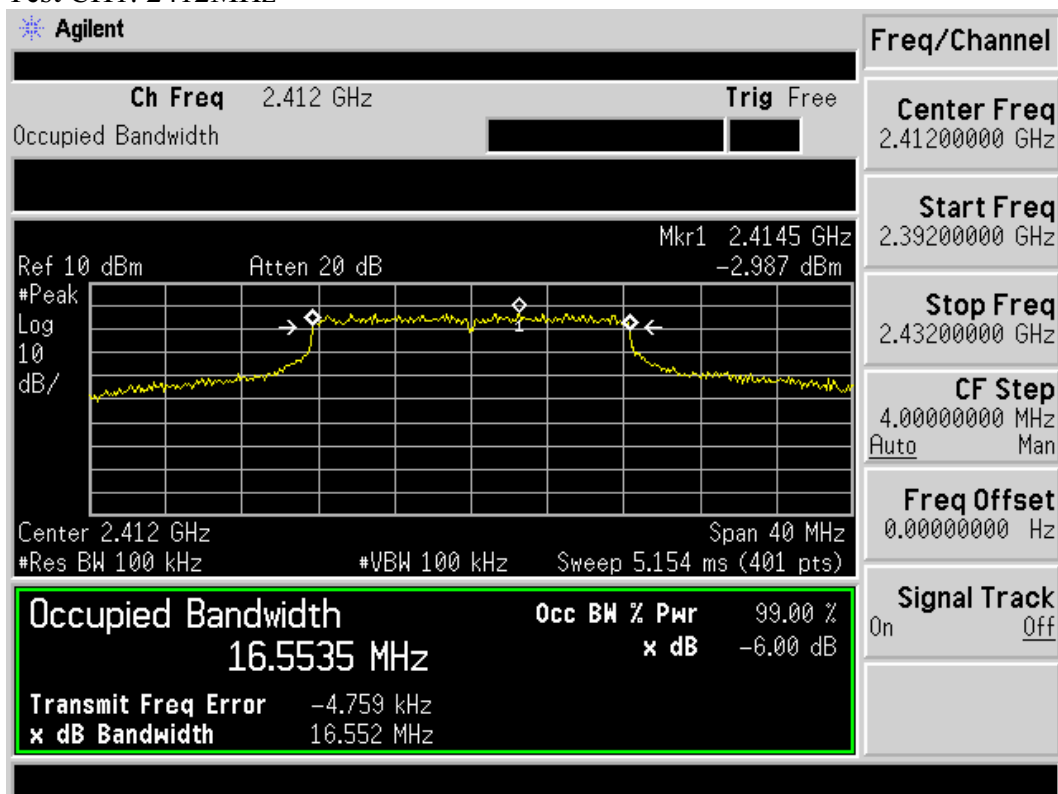


Test CH11: 2462MHz

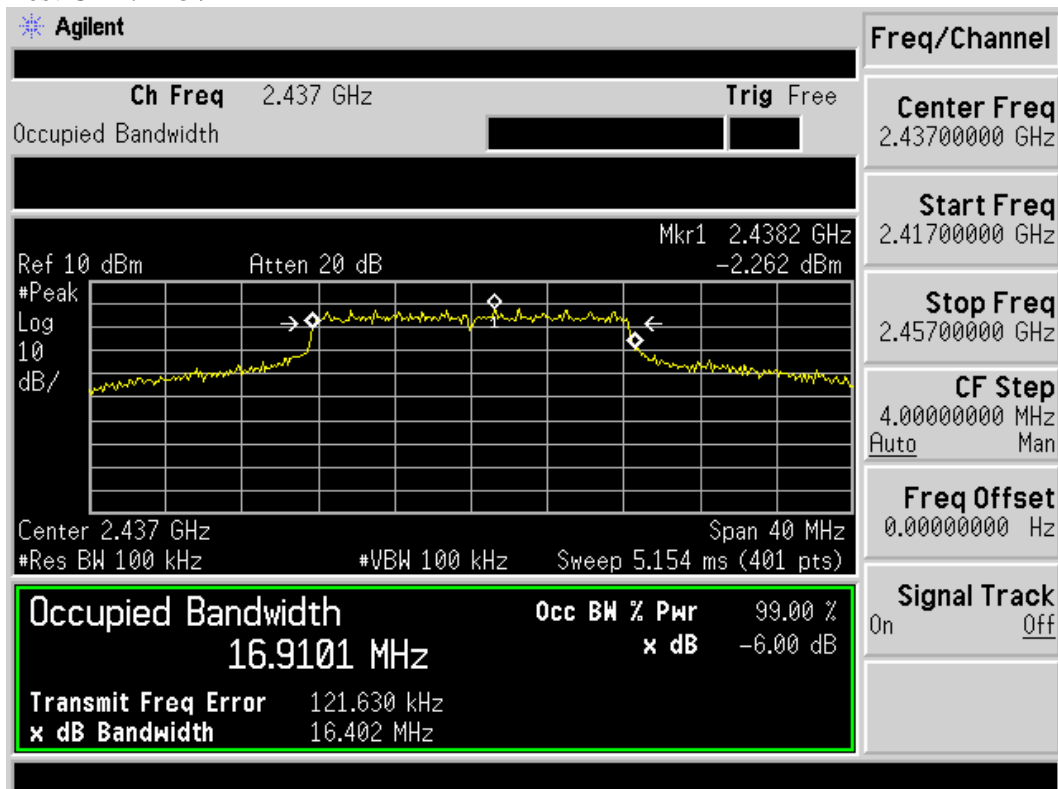


Test Mode: IEEE 802. 11g TX (Ant 2)

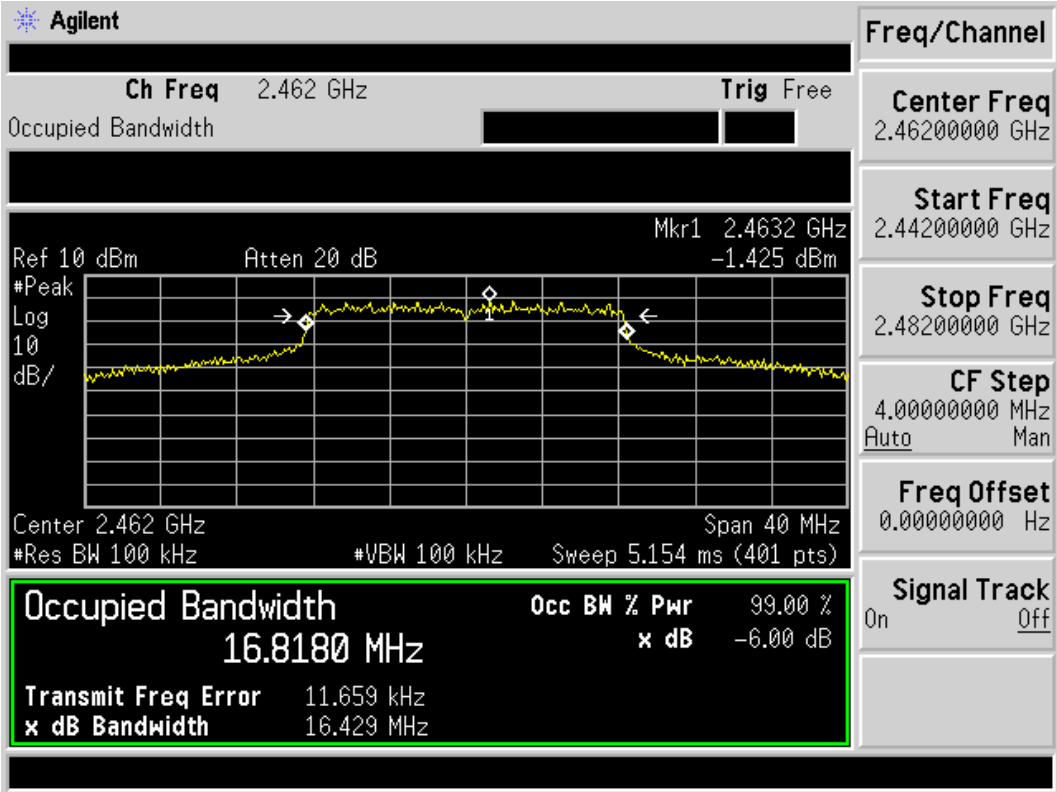
Test CH1: 2412MHz



Test CH4: 2437MHz



Test CH7: 2462MHz



8. OUTPUT POWER TEST

8.1. Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

8.2. Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

8.3. Test Result

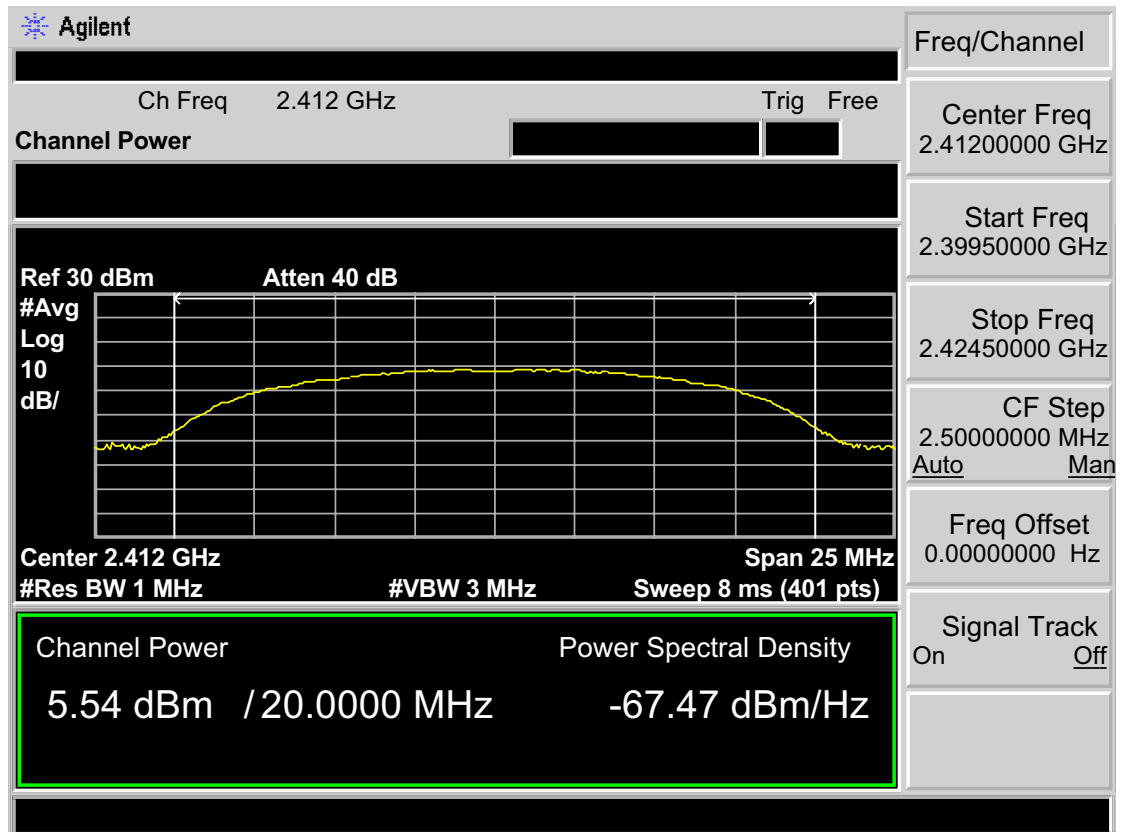
EUT: Wireless Speaker		
M/N: airstream s300		
Test date: Dec.23, 2012	Test site: 3m Chamber	Tested by: Tony Tang
Pass		

Test Mode	CH	Peak output Power (dBm)	Limit (dBm)
11b (Ant 1)	CH1	5.54	30
	CH6	6.97	30
	CH11	7.41	30
11g (Ant 1)	CH1	3.76	30
	CH6	4.02	30
	CH11	5.98	30
11b (Ant 2)	CH1	5.41	30
	CH6	6.56	30
	CH11	7.85	30
11g (Ant 2)	CH1	4.61	30
	CH6	5.24	30
	CH11	6.24	30
Conclusion : PASS			

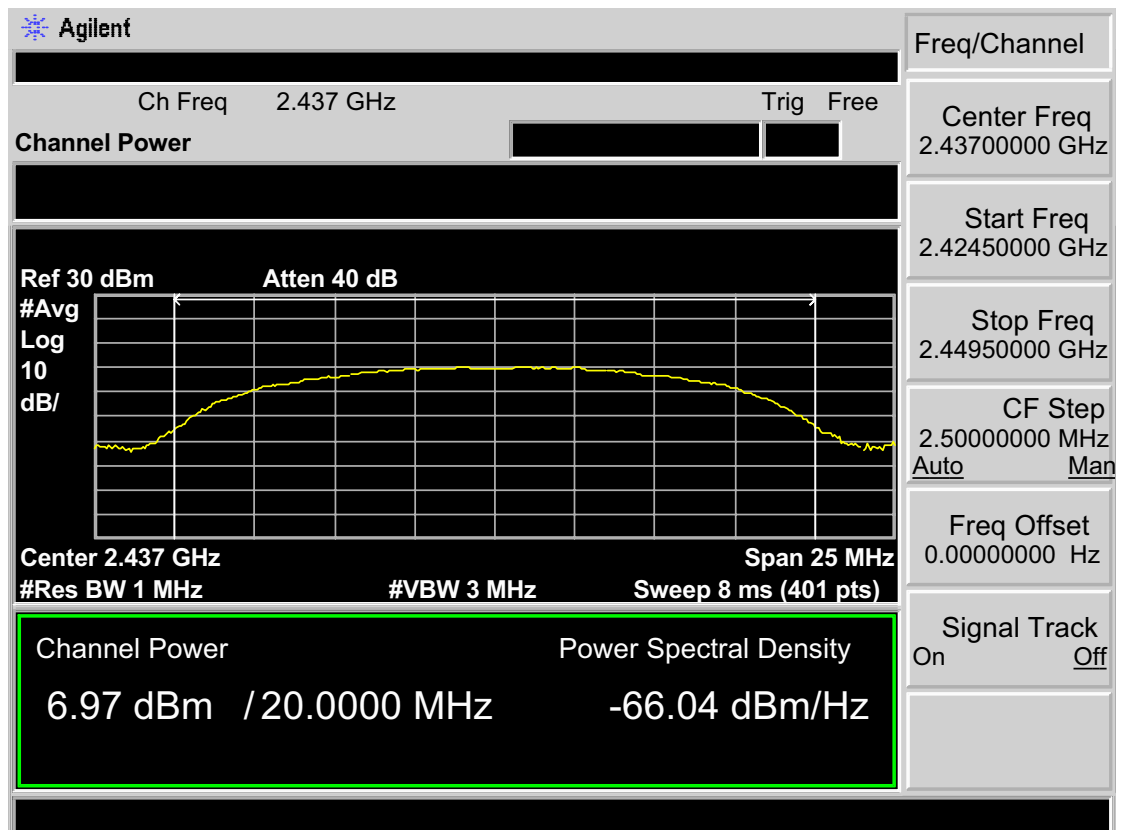
8.4. Test Data

Test Mode: IEEE 802. 11b (Ant 1)

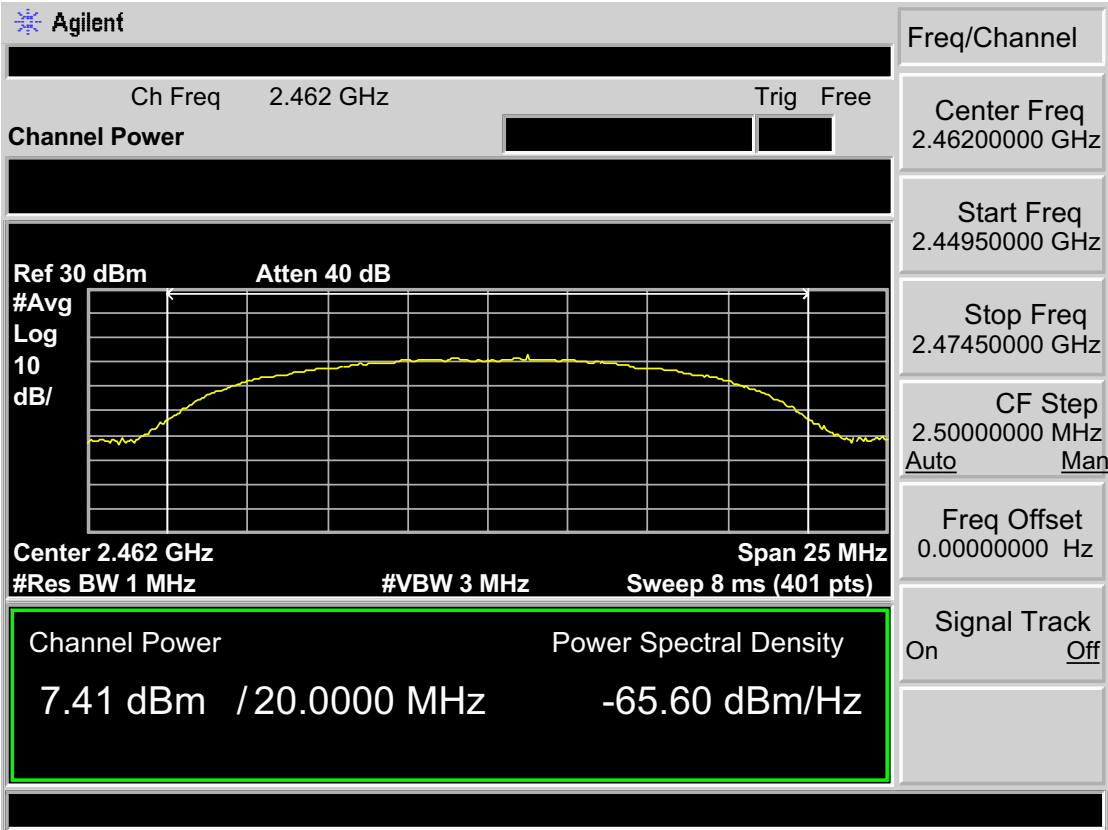
CH 1



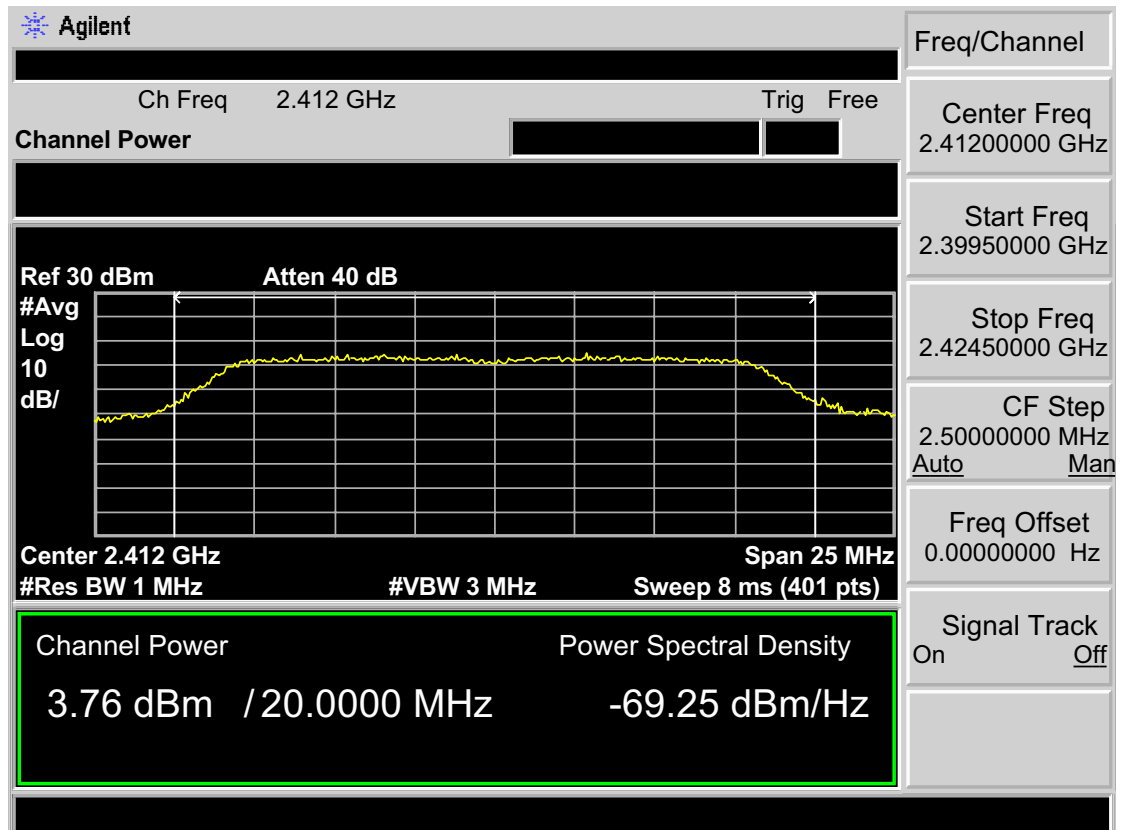
CH 6



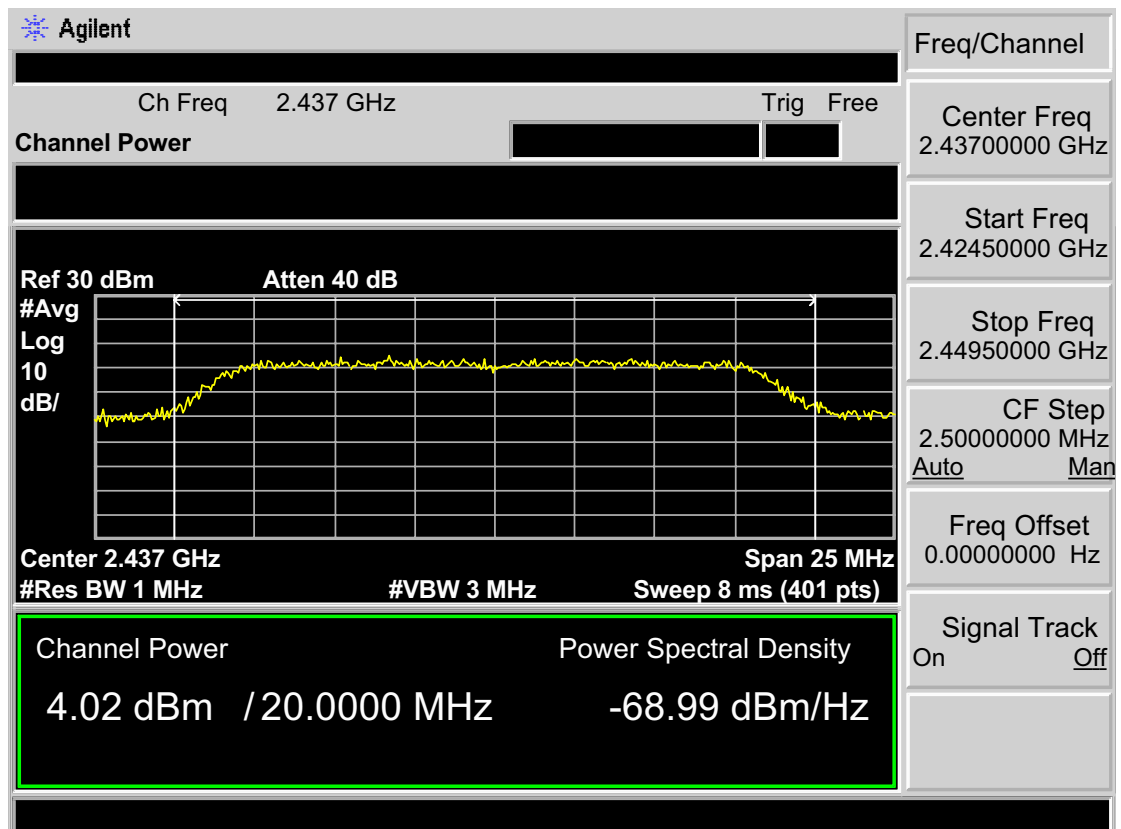
CH 11



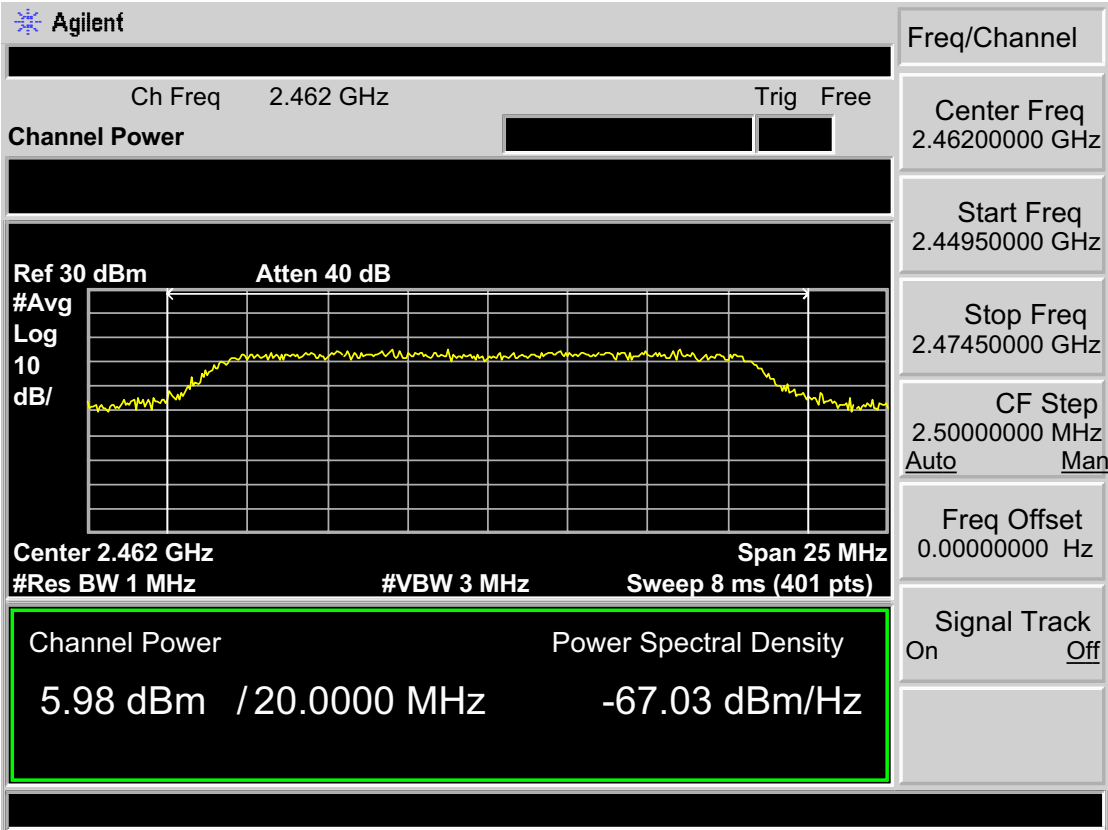
Test Mode: IEEE 802.11g (Ant 1)
CH 1



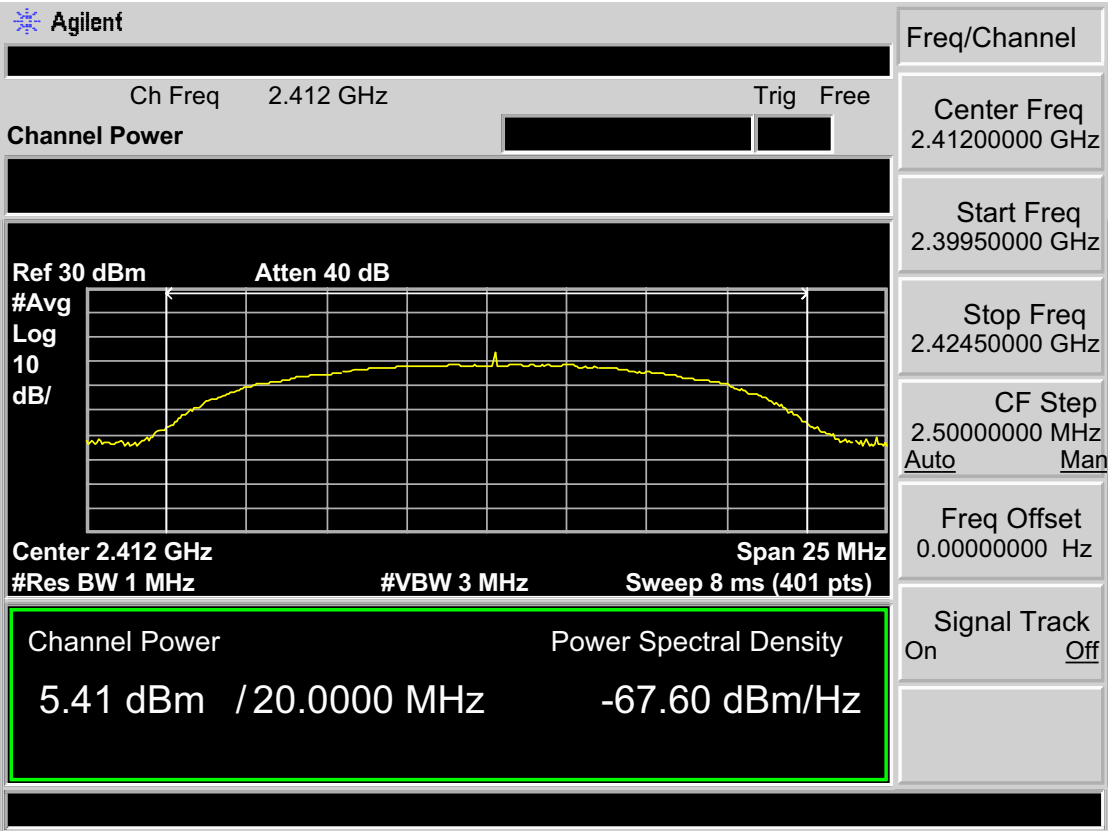
CH 6



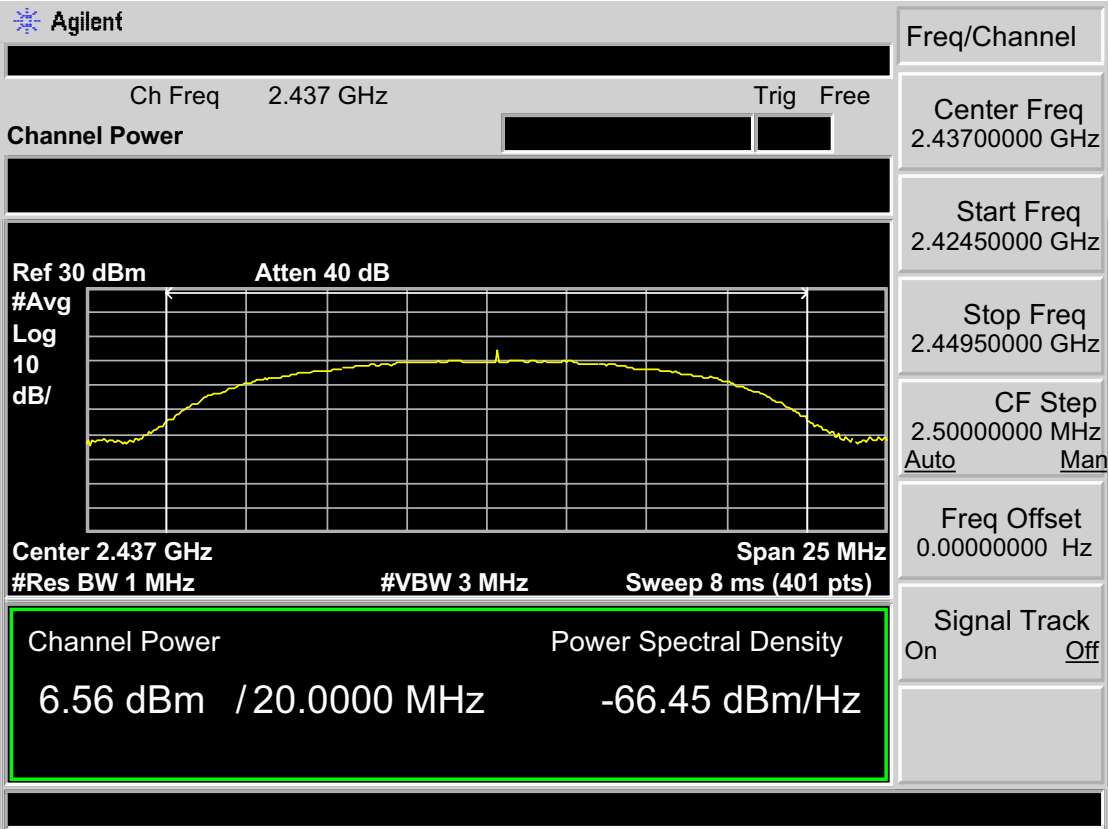
CH 11



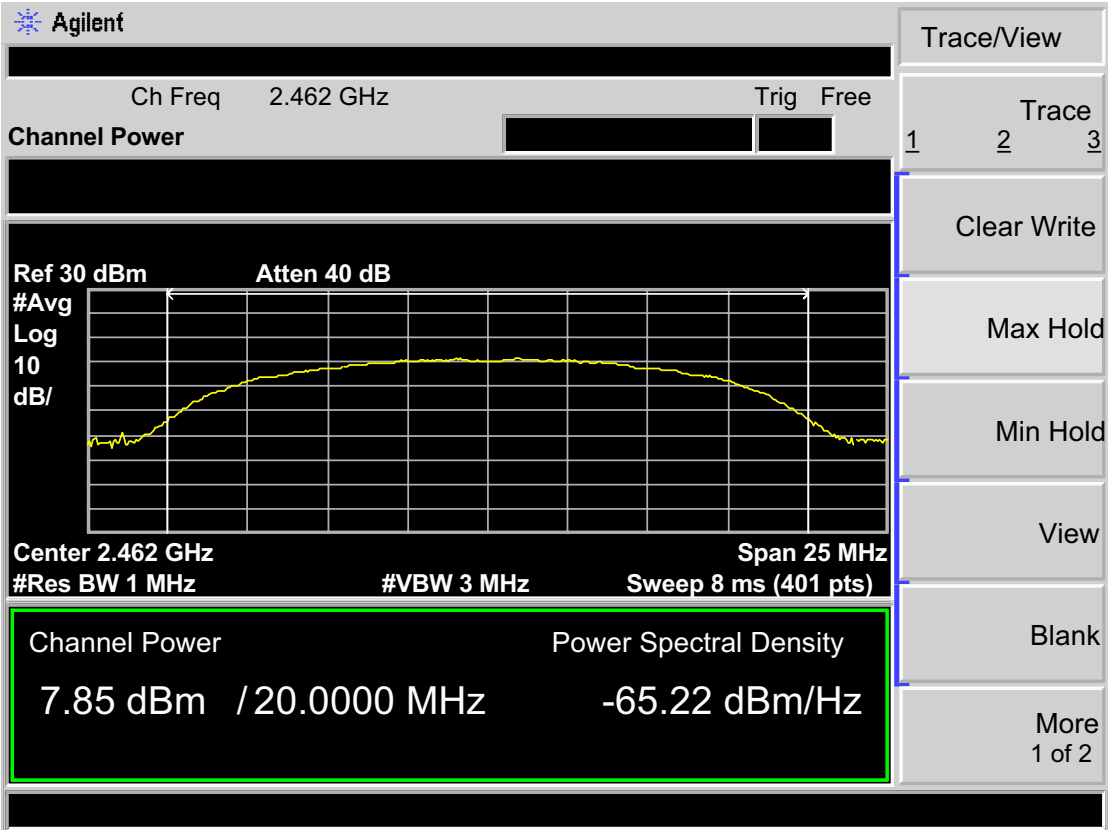
Test Mode: IEEE 802. 11b (Ant 2)
CH 1



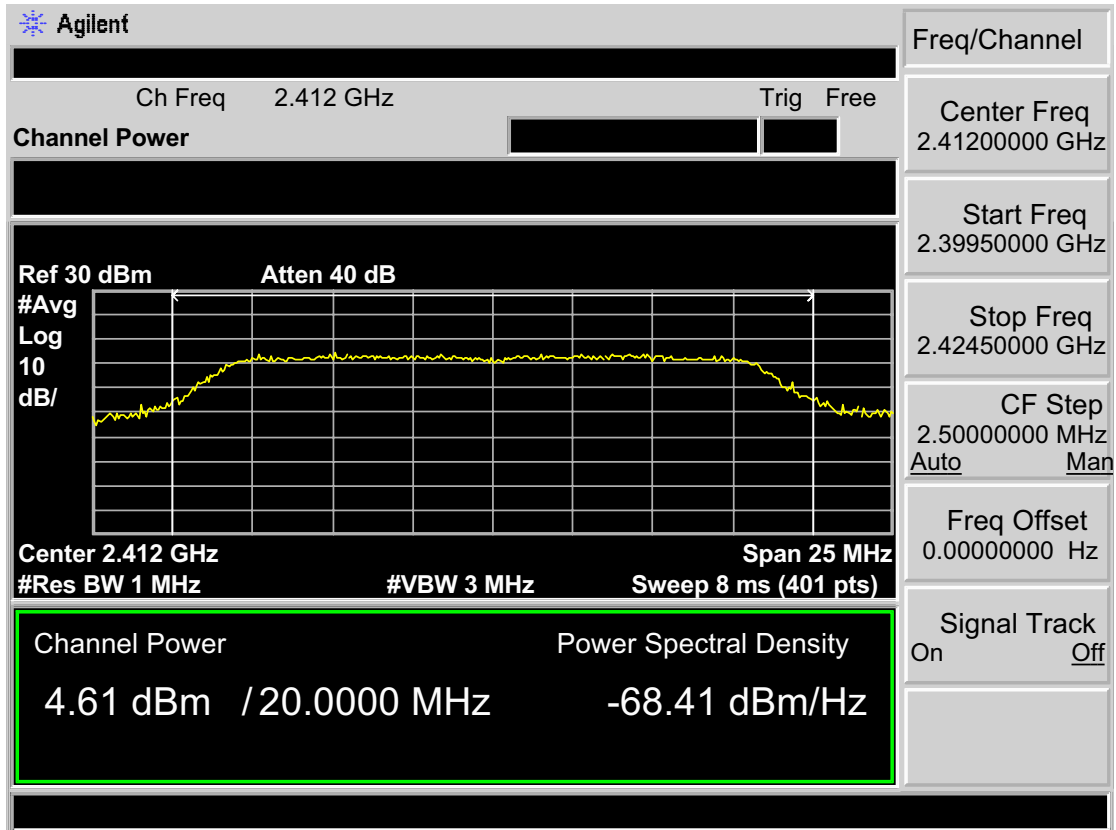
CH 6



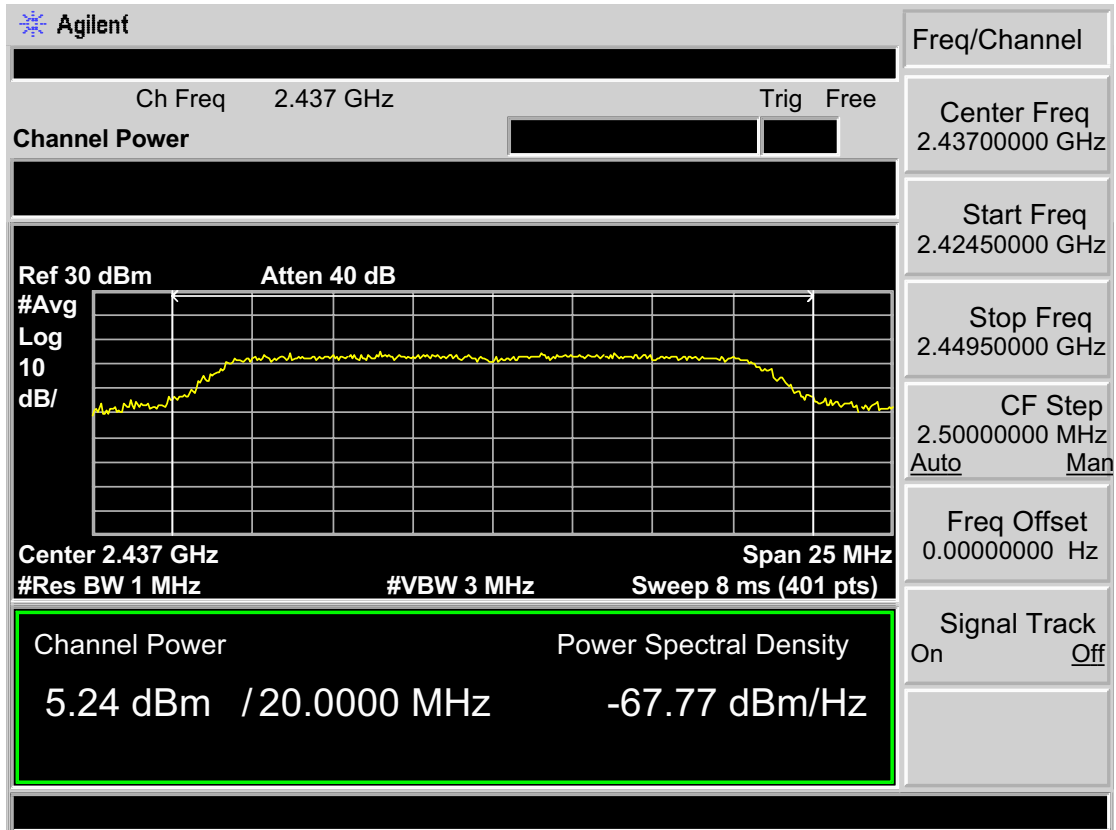
CH 11



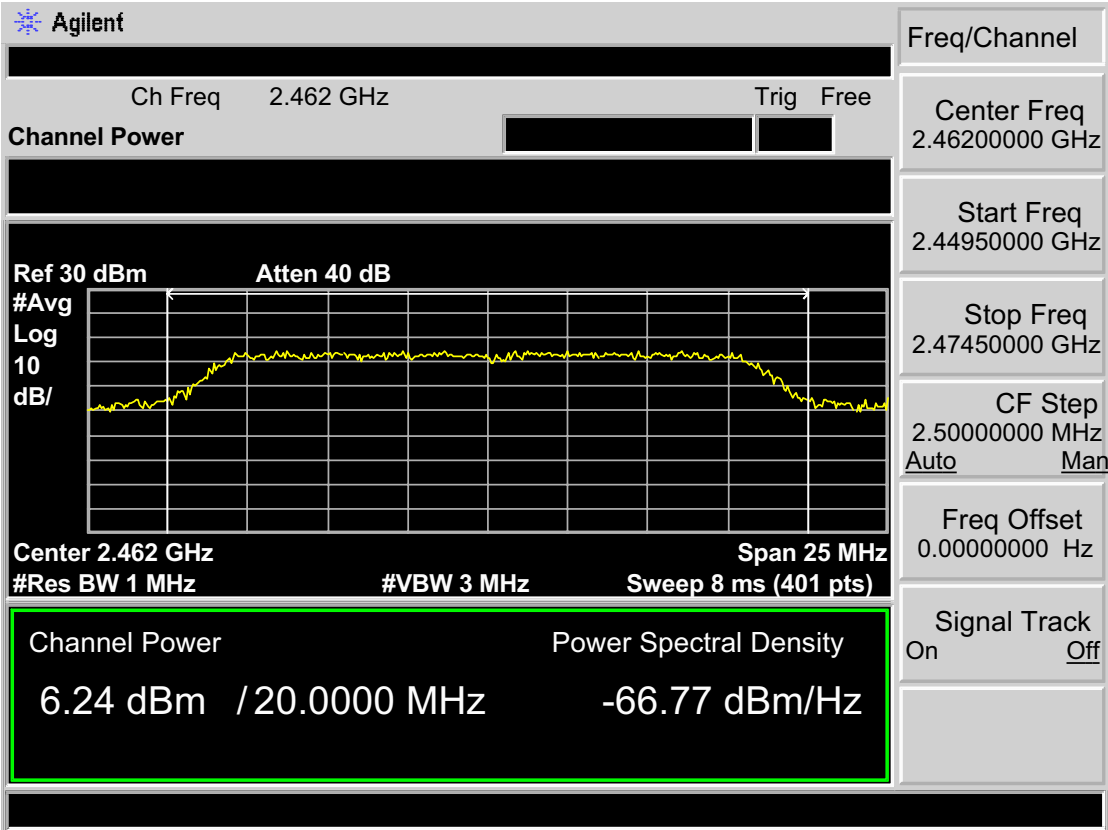
Test Mode: IEEE 802. 11g (Ant 2)
CH 1



CH 6



CH 11



9. POWER SPECTRAL DENSITY TEST

9.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.2. Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in ANSI C.63.4 to measure out each test modes and chain's power density with 3KHz.

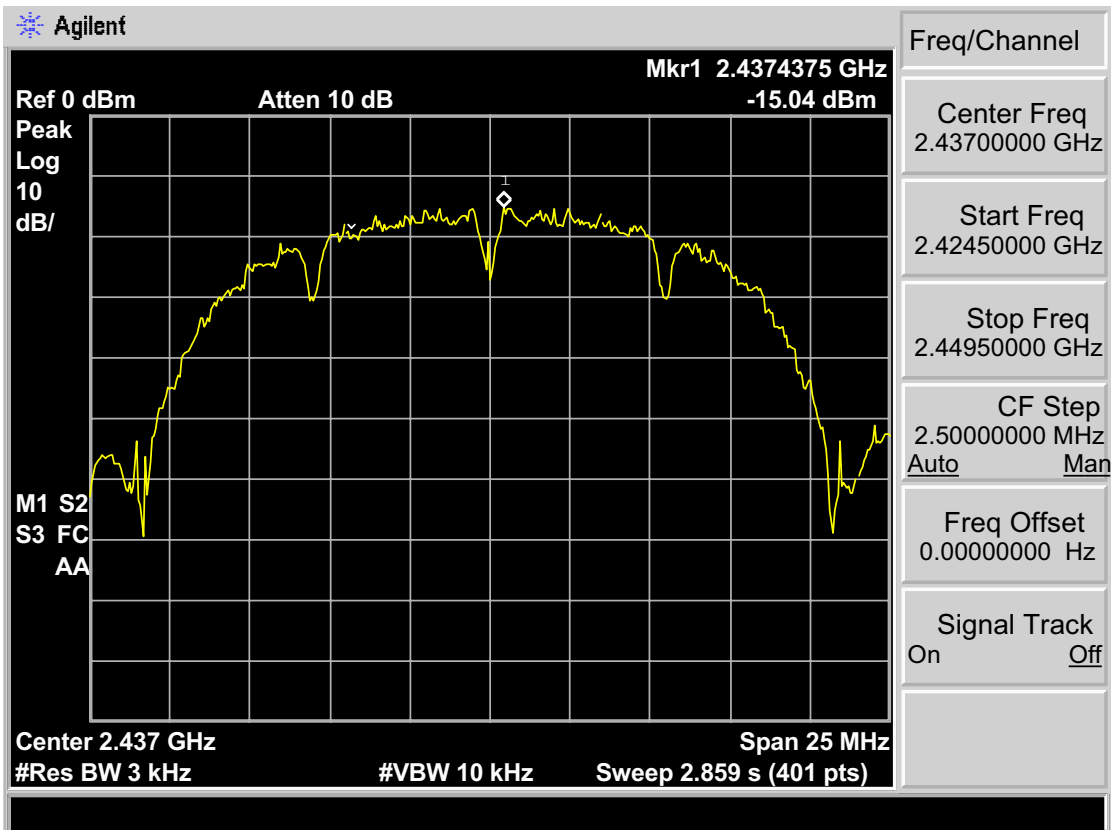
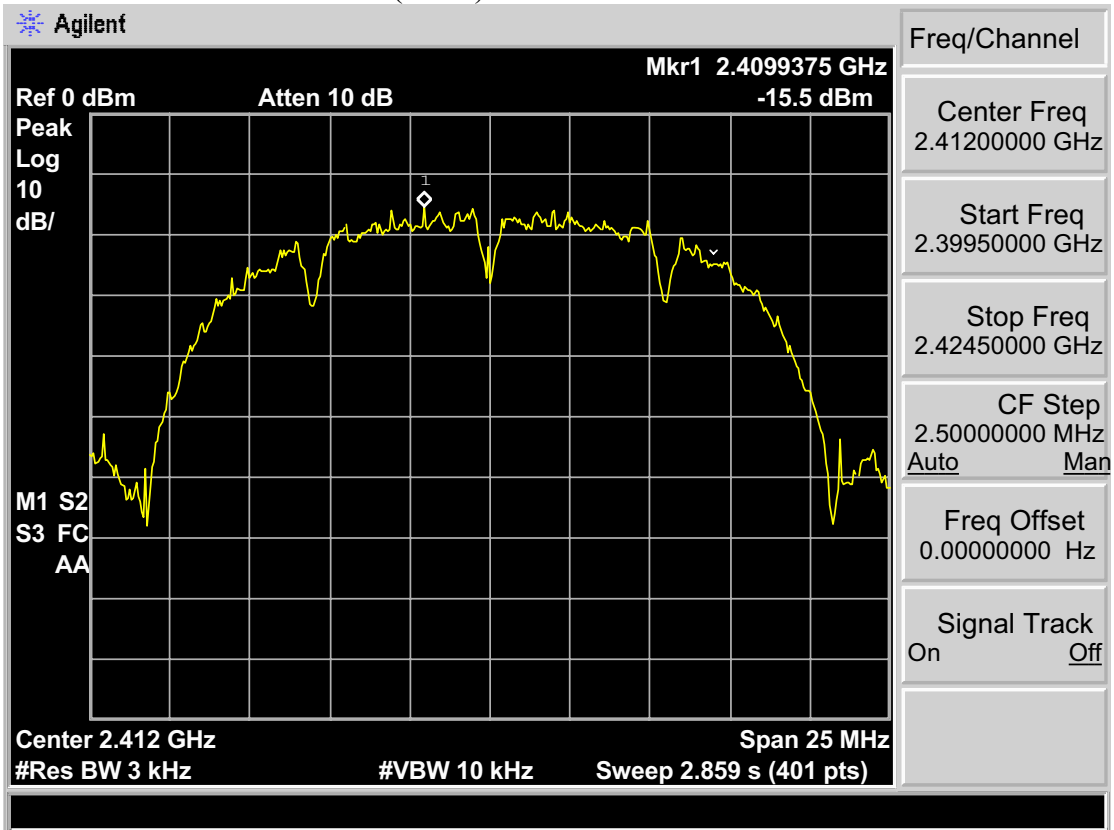
9.3. Test Result

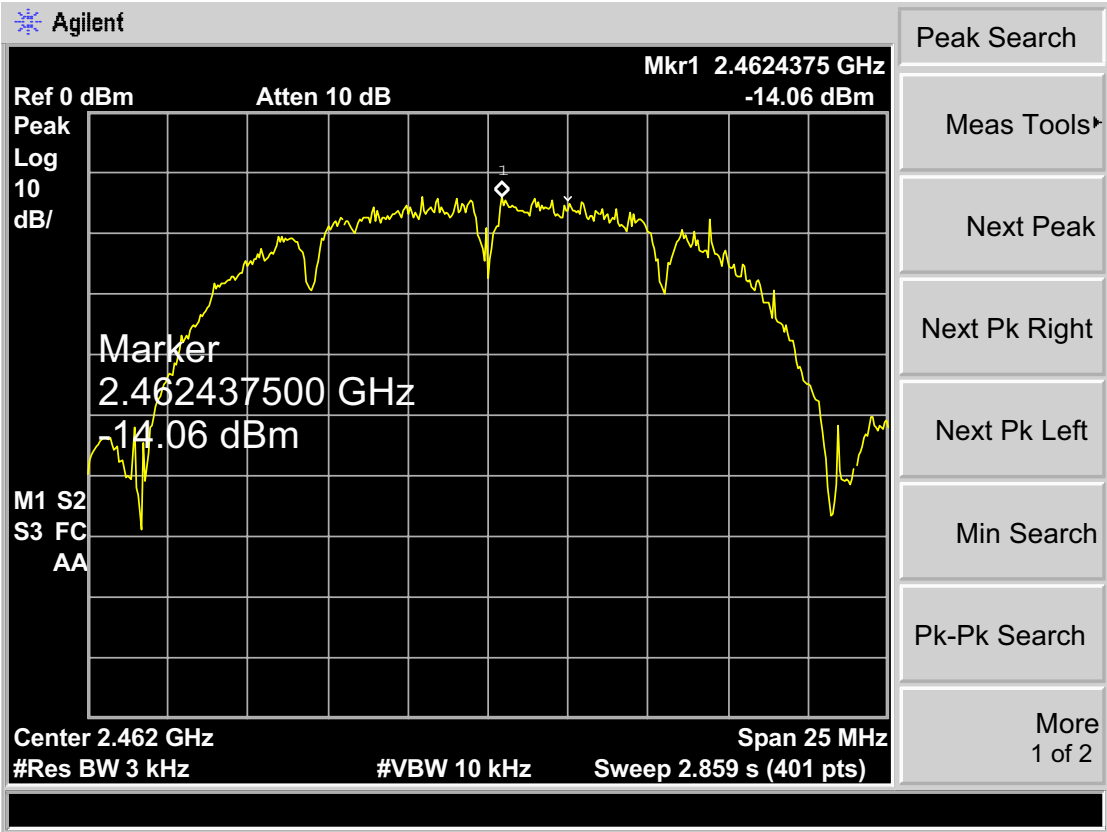
EUT: Wireless Speaker		
M/N: airstream s300		
Test date: Dec.23, 2012	Test site: 3m Chamber	Tested by: Tony Tang
Pass		

Test Mode	CH	Power density (dBm/3kHz)	Limit (dBm/3kHz)
11b (Ant 1)	CH1	-15.50	8
	CH6	-15.04	8
	CH11	-14.06	8
11g (Ant 1)	CH1	-15.28	8
	CH6	-14.40	8
	CH11	-14.16	8
11b (Ant 2)	CH1	-16.02	8
	CH6	-15.02	8
	CH11	-14.25	8
11g (Ant 2)	CH1	-15.39	8
	CH6	-14.75	8
	CH11	-13.62	8
Conclusion : PASS			

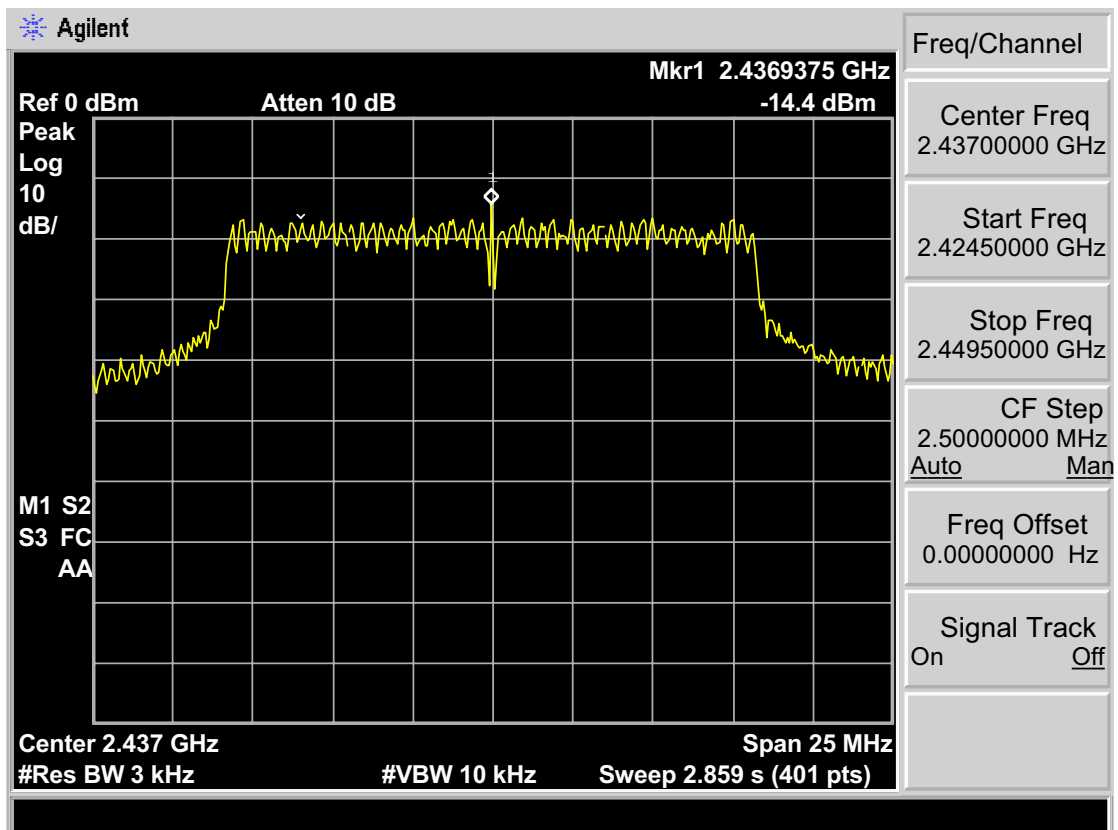
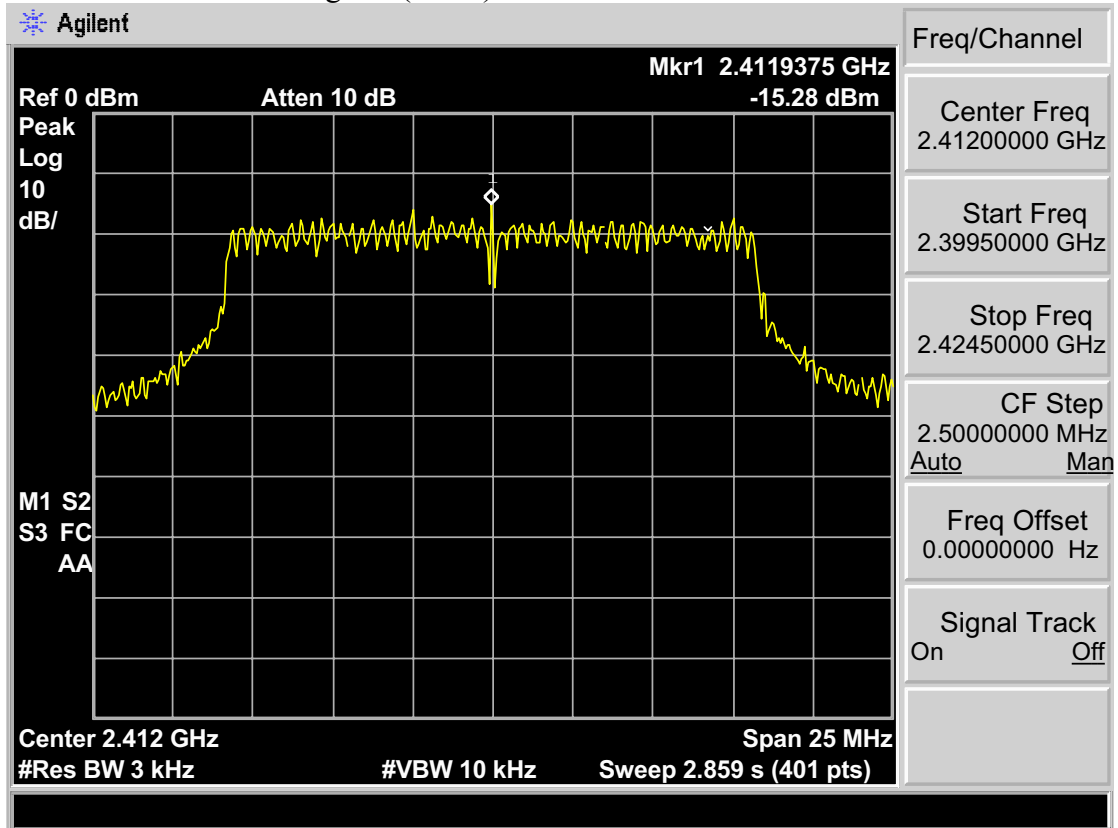
9.4. Test Data

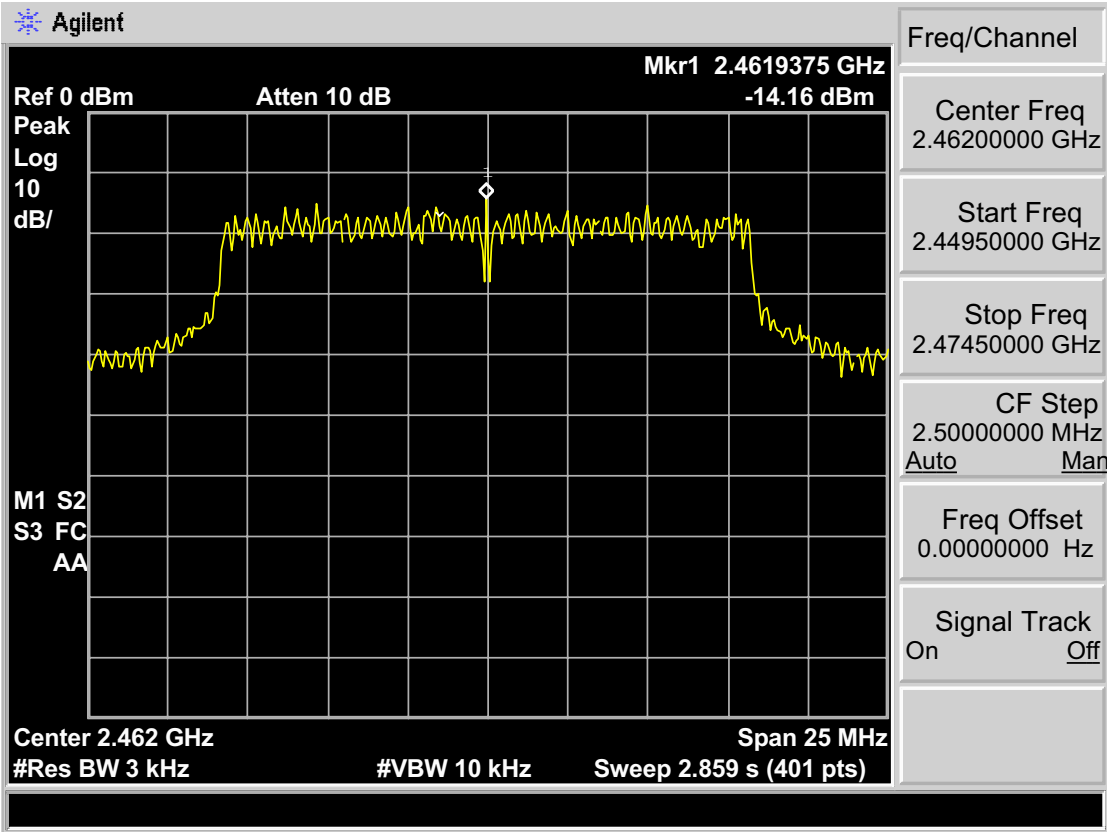
Test Mode: IEEE 802.11b TX (Ant 1)



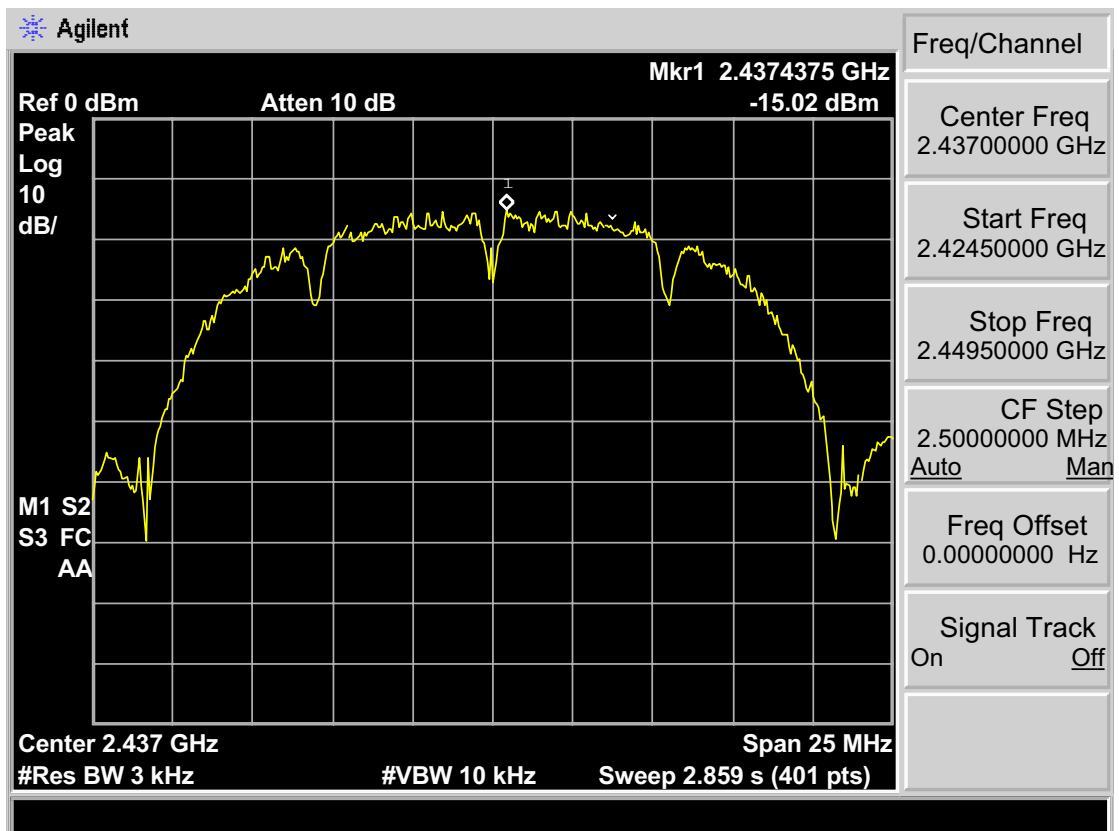
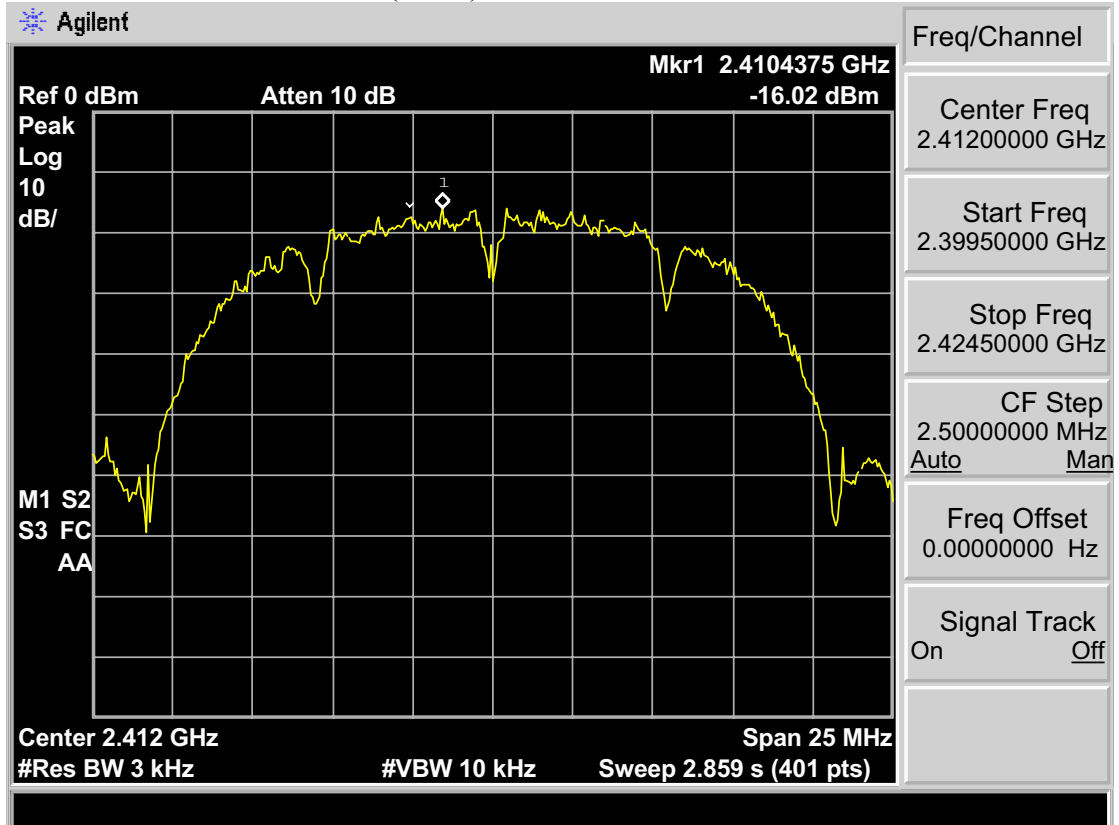


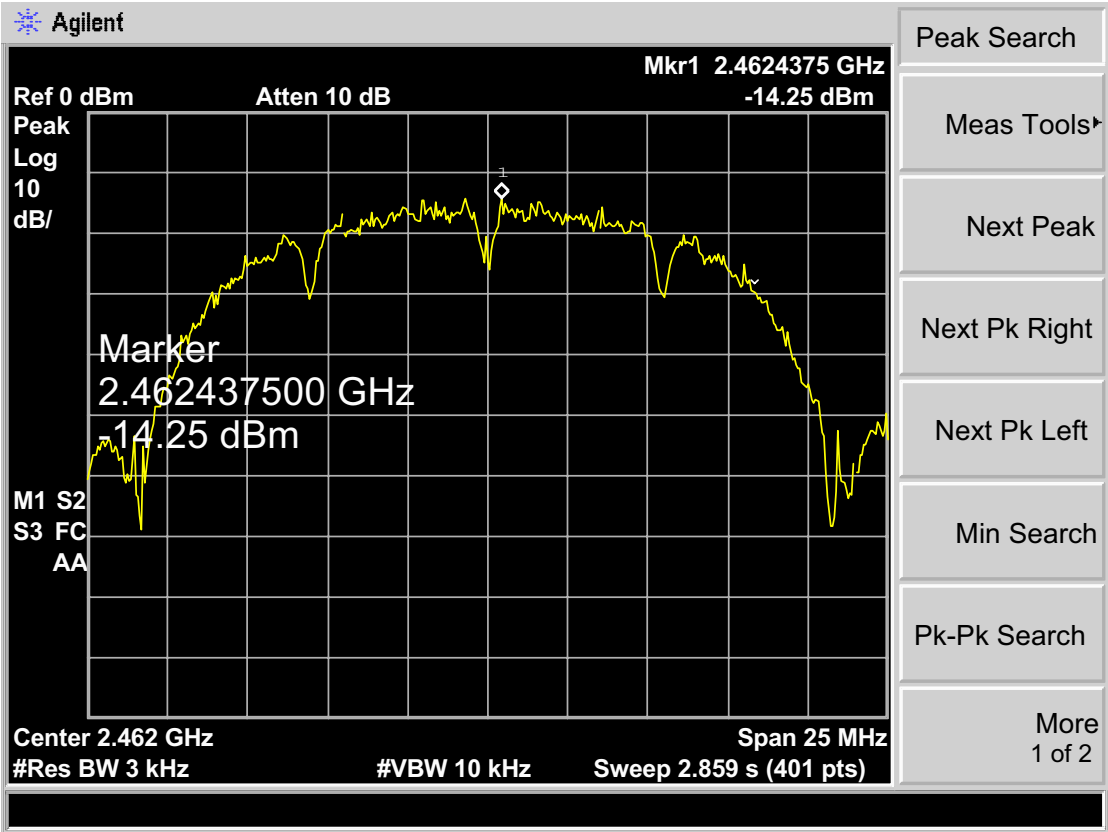
Test Mode: IEEE 802.11g TX (Ant 1)



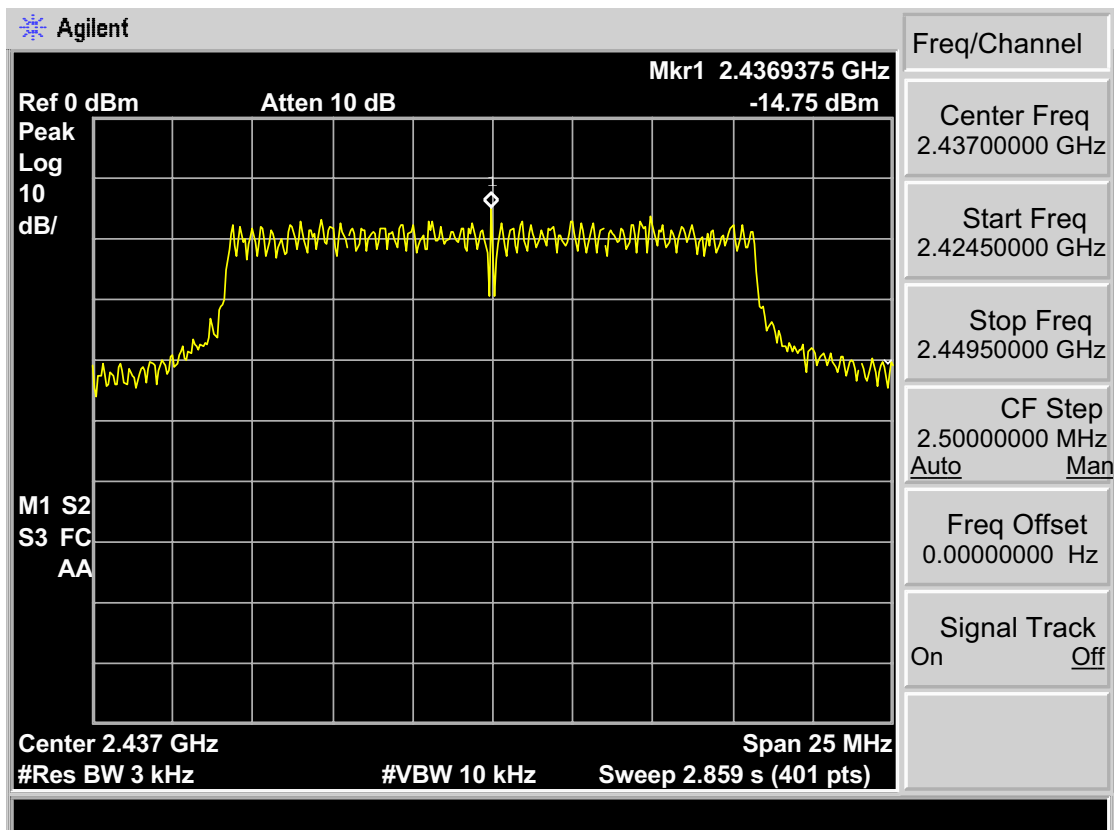
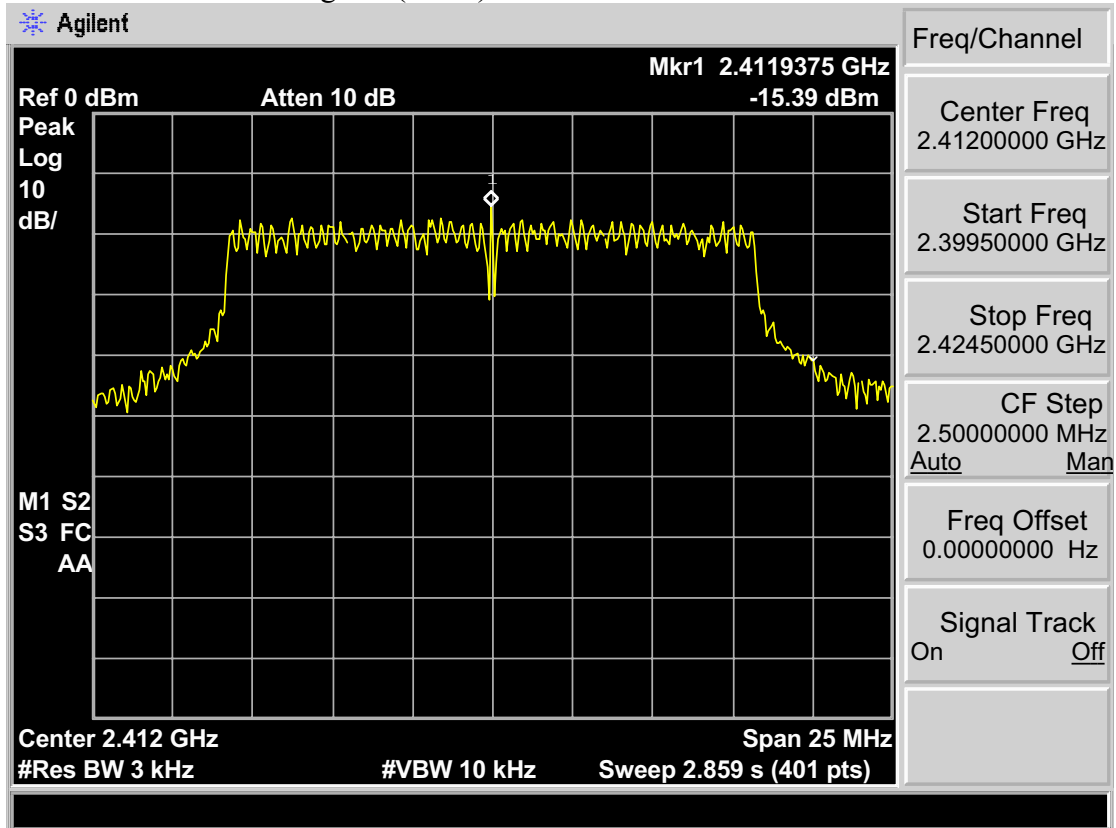


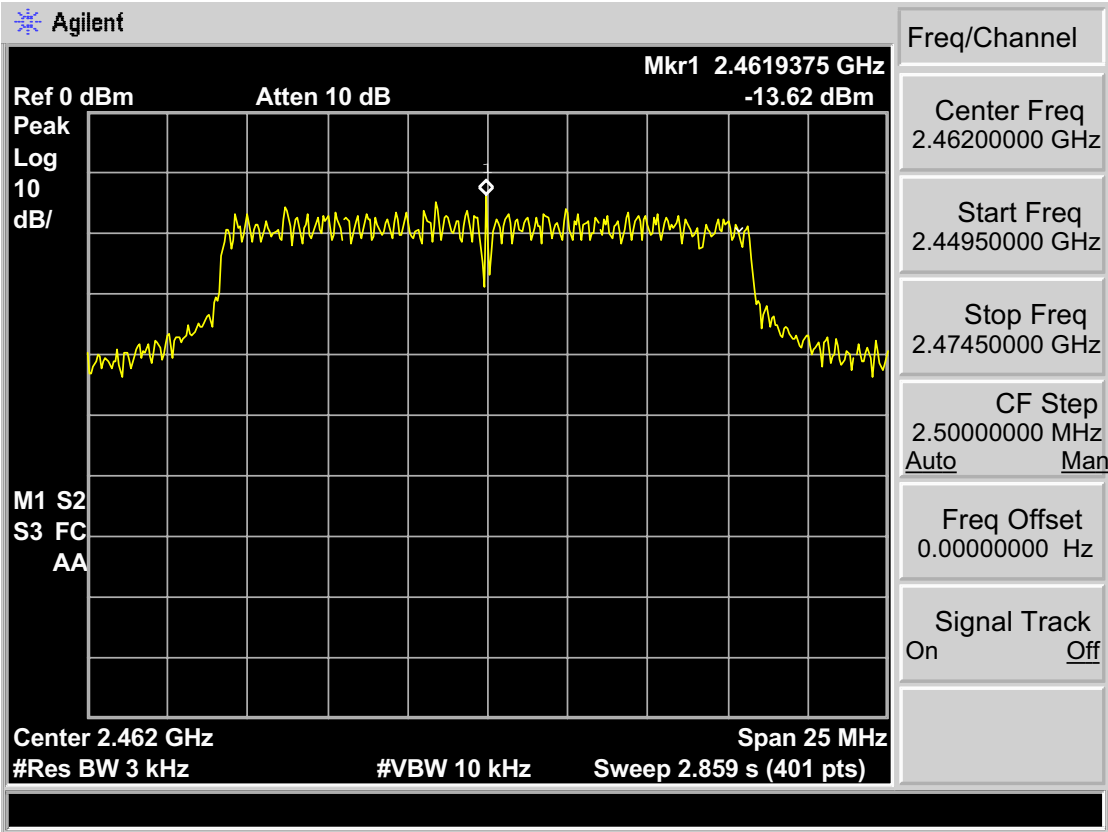
Test Mode: IEEE 802.11b TX (Ant 2)





Test Mode: IEEE 802. 11g TX (Ant 2)





10. ANTENNA REQUIREMENTS

10.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Result

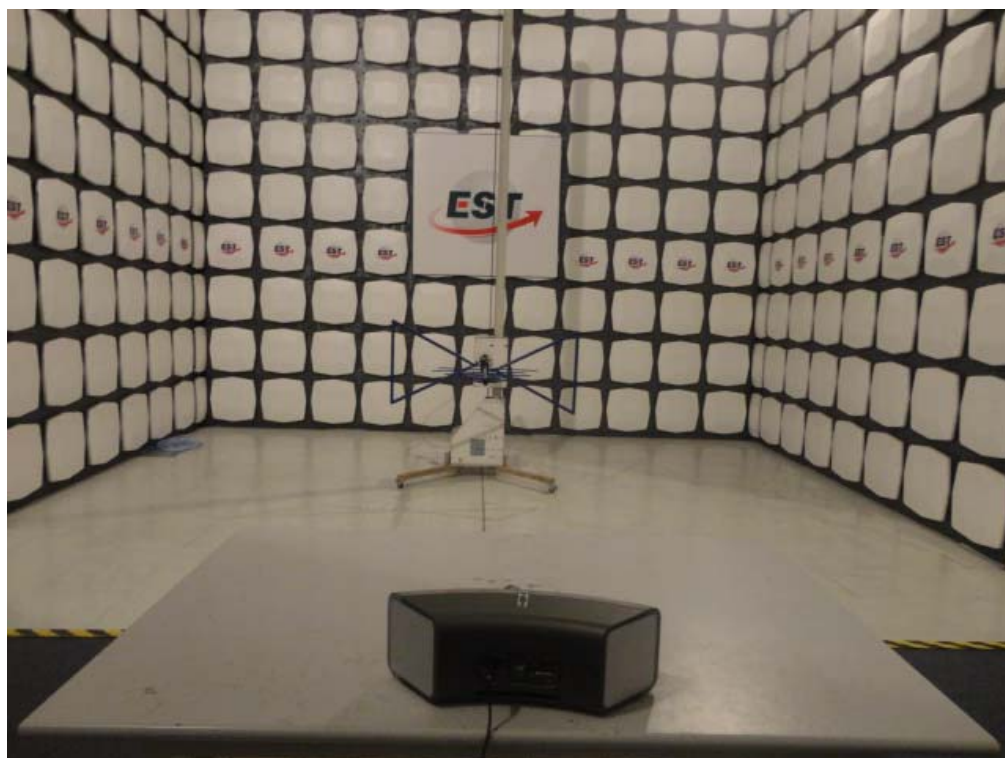
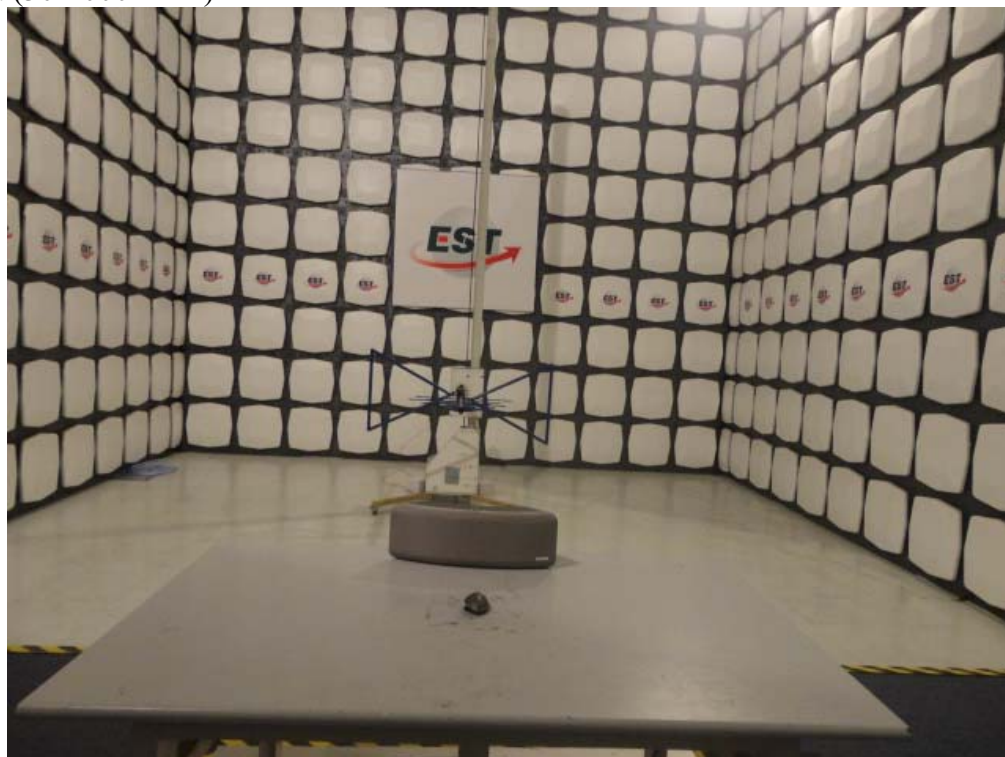
The antennas used for this product are integral Patch Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.2 dBi.

11. TEST SETUP PHOTO

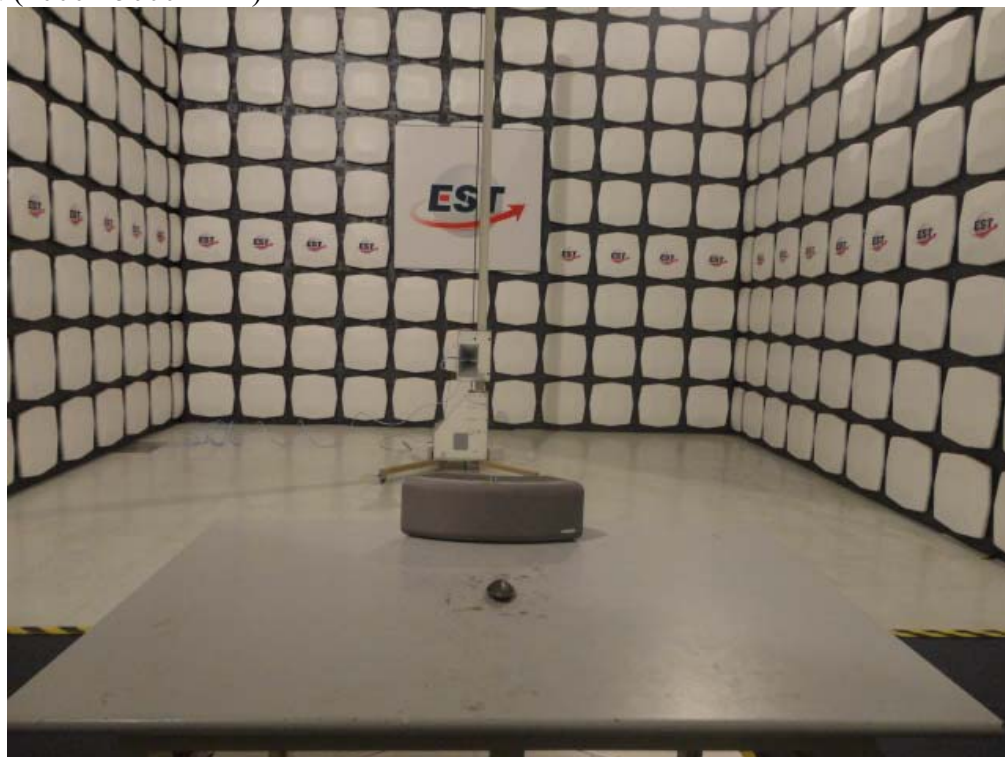
Conducted Test



Radiated Test (30-1000 MHz)



Radiated Test (1000-25000 MHz)



12. PHOTOS OF EUT

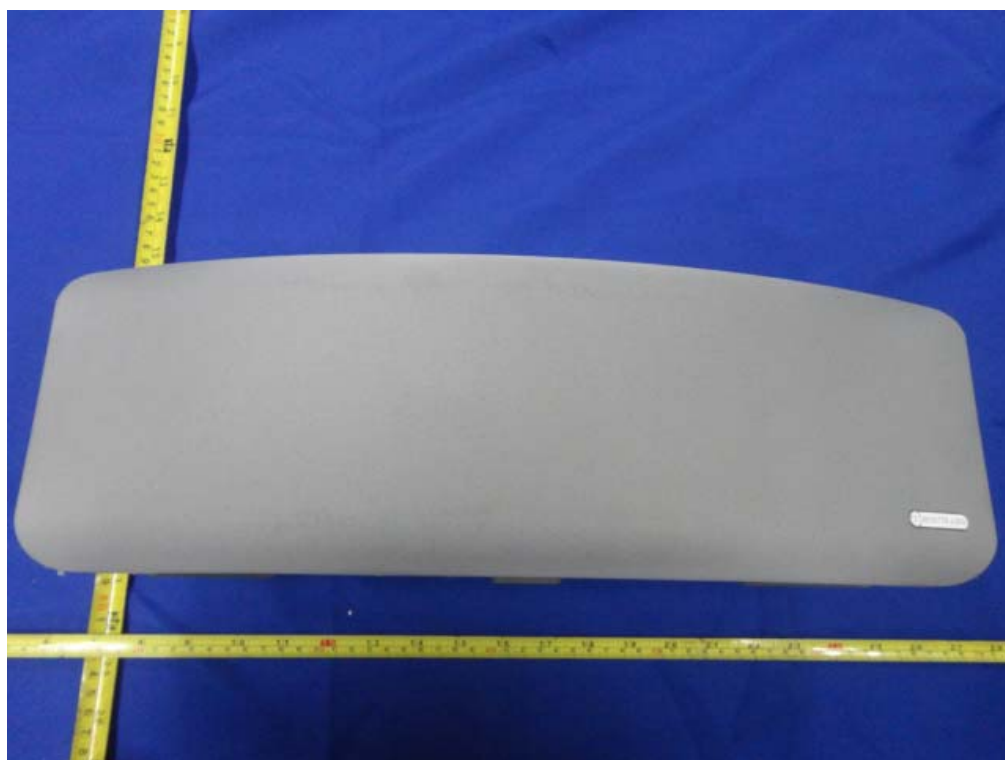
External Photos



External Photos



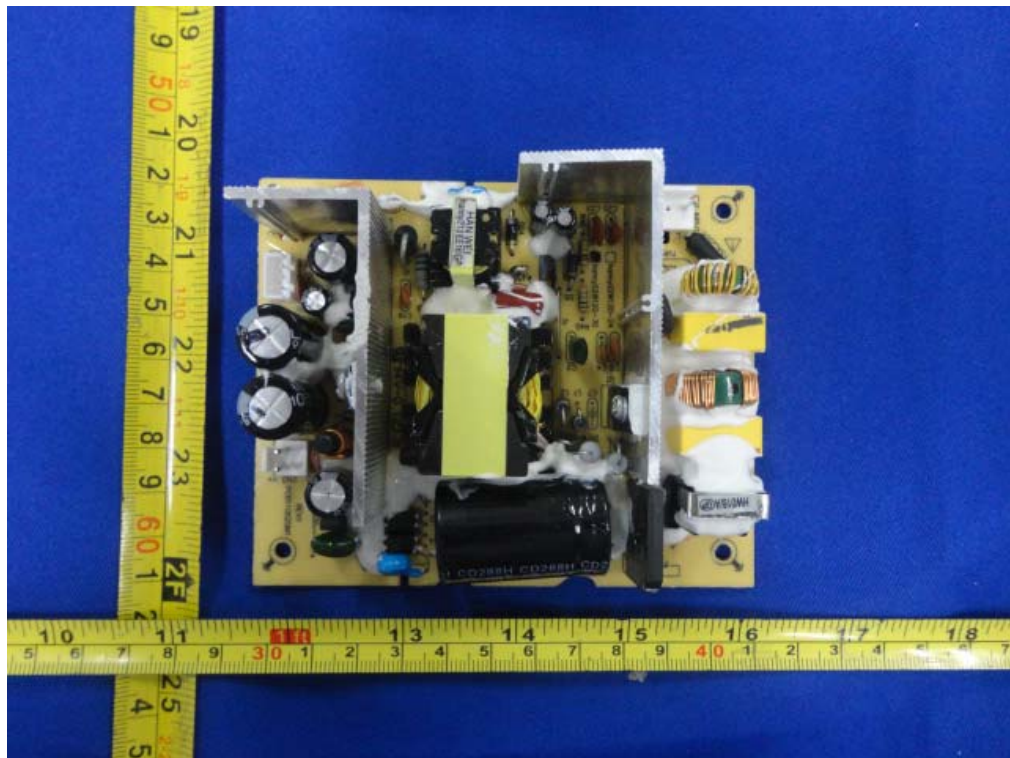
External Photos



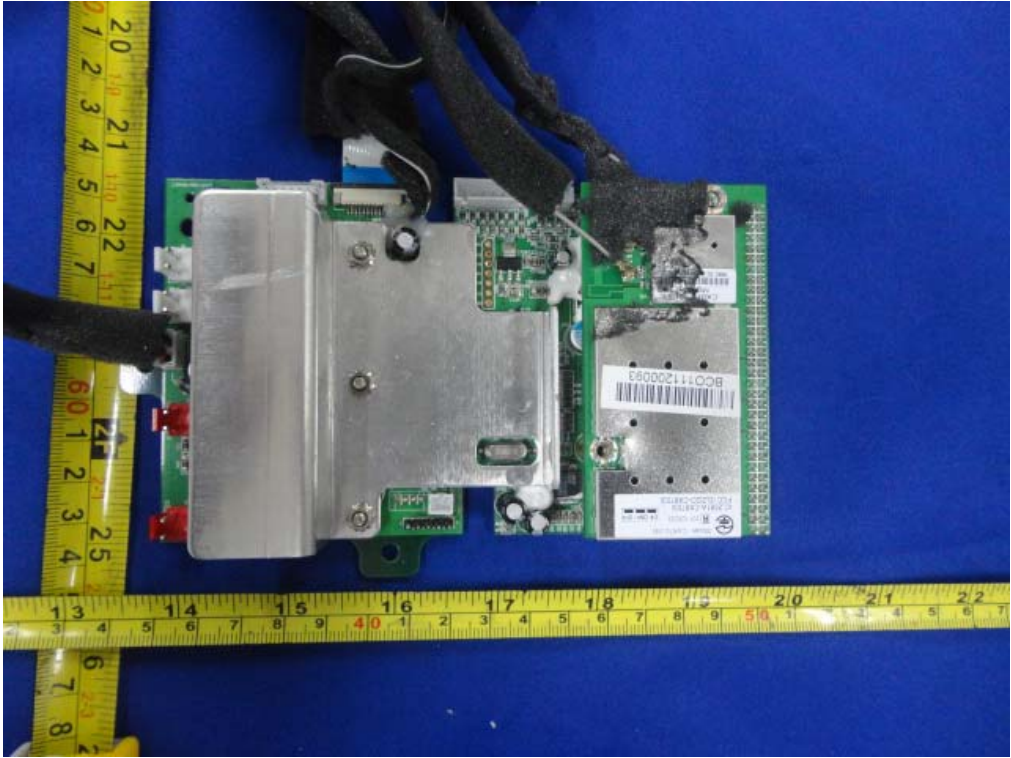
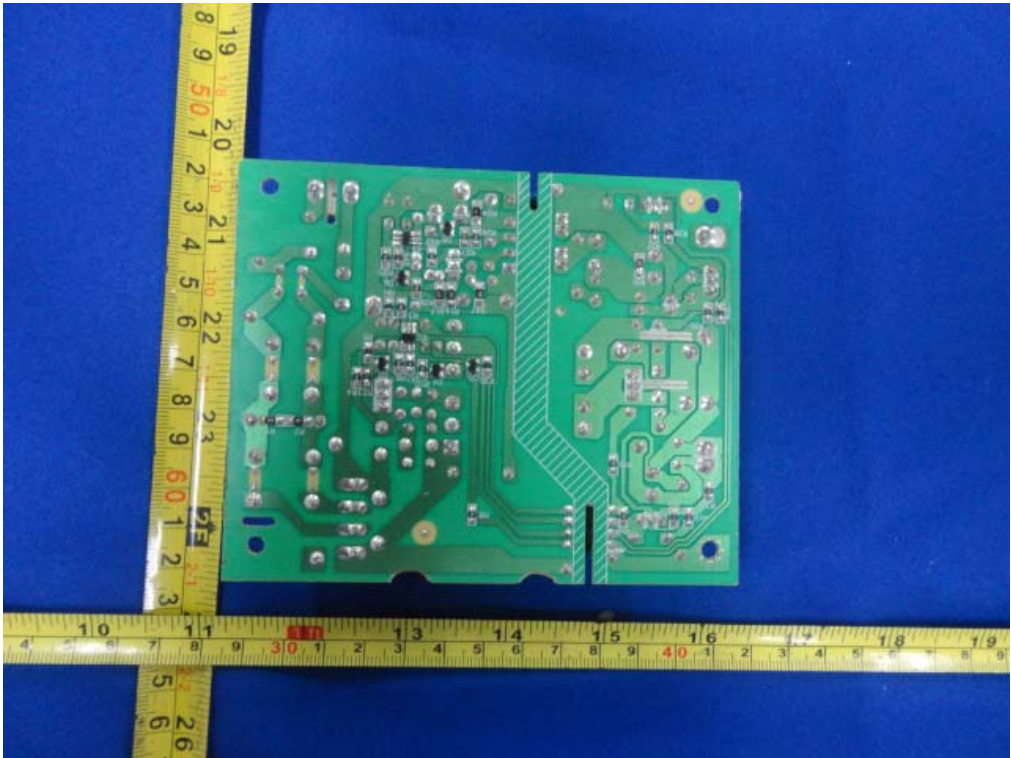
External Photos



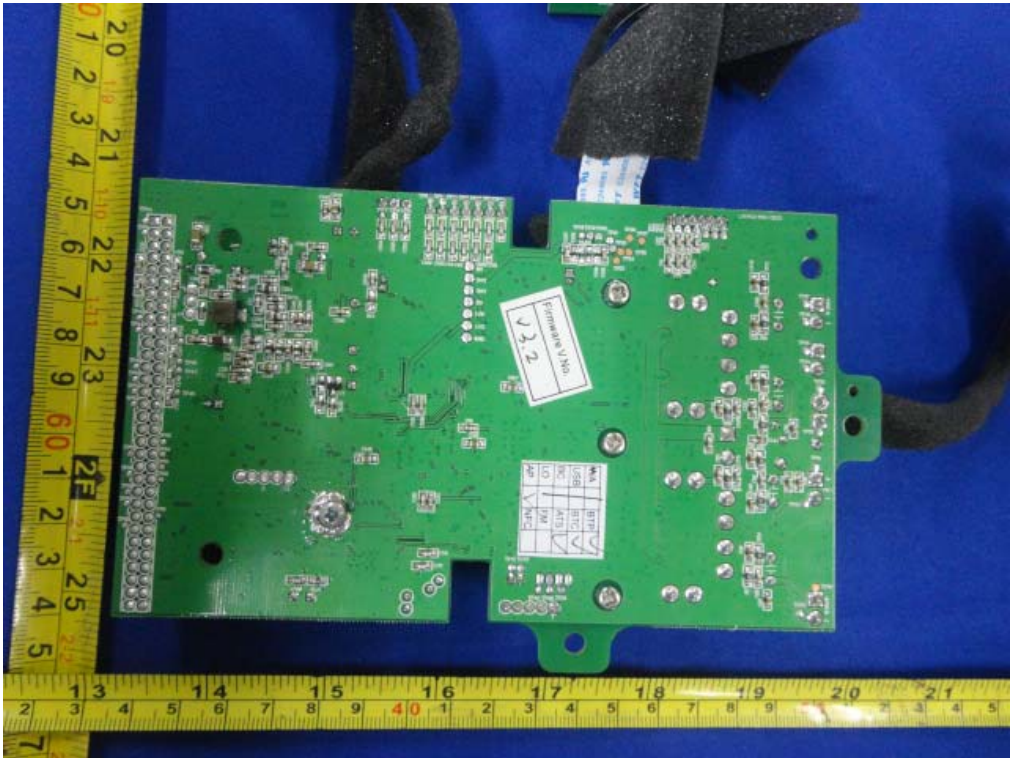
Internal Photos



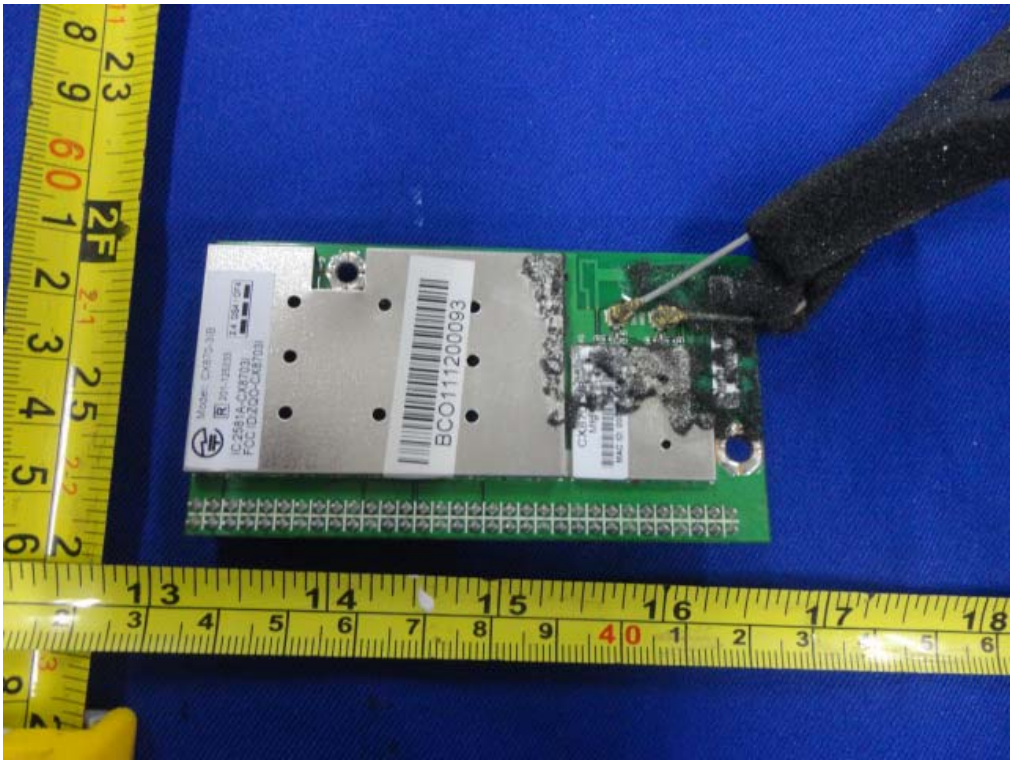
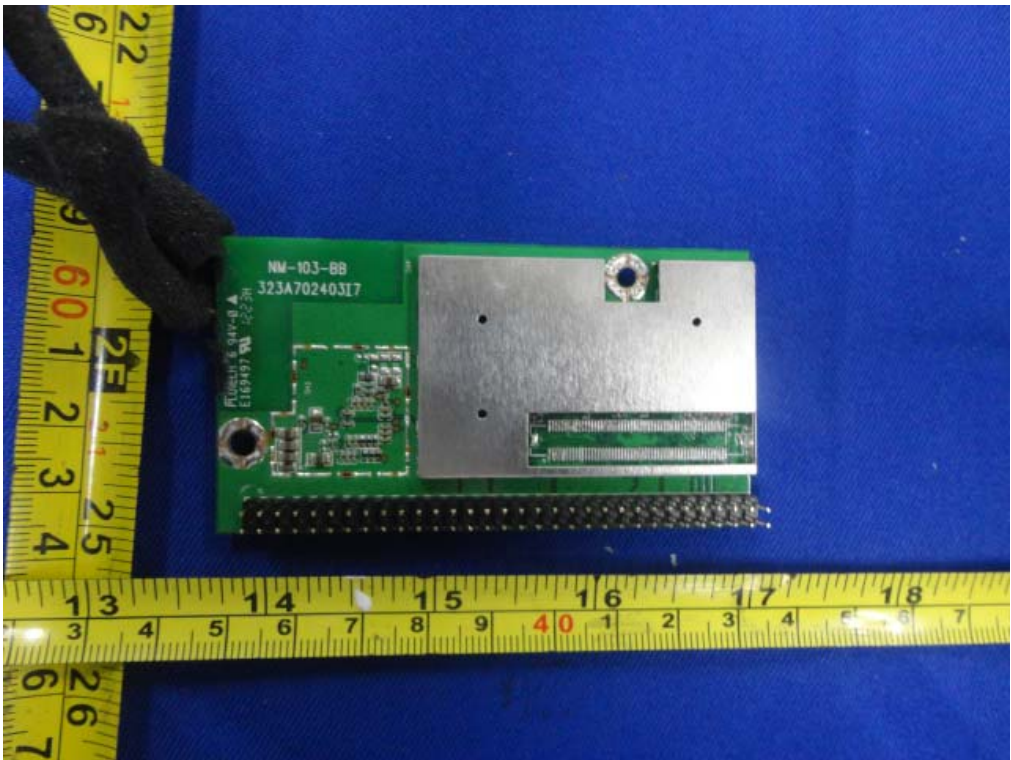
Internal Photos



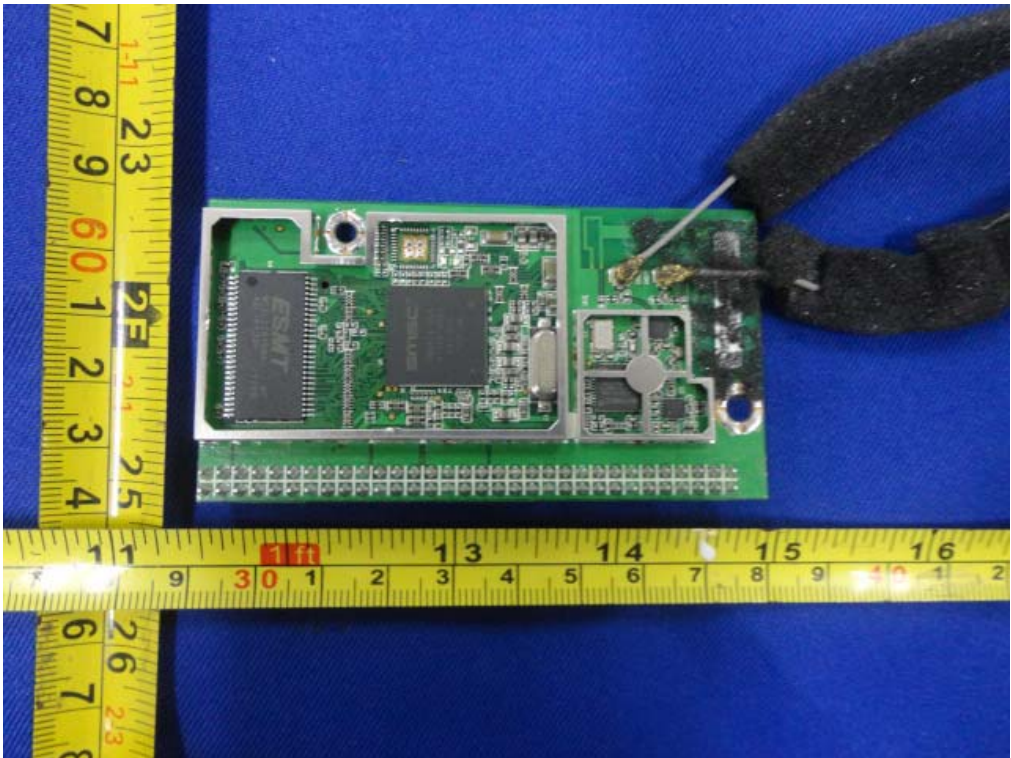
Internal Photos



Internal Photos



Internal Photos



Internal Photos

