

FCC PART 15C TEST REPORT FOR CERTIFICATION  
On Behalf of

Sam Ash Music Corporation

Bluetooth Receiver

Model Number: BT30

FCC ID: CCRBT30

Prepared for : Sam Ash Music Corporation  
262 Duffy Avenue, Hicksville, New York, United  
States, 11801

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


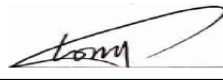
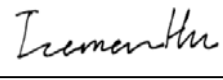
Tel: 86-769-83081888-808

Report Number: ESTE-R1404009  
Date of Test : March 31~ April 07, 2014  
Date of Report : April 08, 2014

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### Test Report Verification

<b>Applicant:</b>	Sam Ash Music Corporation		
<b>Address:</b>	262 Duffy Avenue, Hicksville, New York, United States, 11801		
<b>Manufacturer</b>	Sam Ash Music Corporation		
<b>Address:</b>	262 Duffy Avenue, Hicksville, New York, United States, 11801		
<b>E.U.T:</b>	Bluetooth Receiver		
<b>Model Number:</b>	BT30		
<b>Power Supply:</b>	DC 5V		
<b>Test Voltage:</b>	DC 5V		
<b>Trade Name:</b>	Samson	Serial No.:	-----
<b>Date of Receipt:</b>	March 31, 2014	<b>Date of Test:</b>	March 31~ April 07, 2014
<b>Test Specification:</b>	FCC Rules and Regulations Part 15 Subpart C:2013 ANSI C63.4:2009		
<b>Test Result:</b>	<p>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.</p> <p style="text-align: center;">This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p> <p style="text-align: right;">Date: April 08, 2014</p>		
Prepared by:	Tested by:	Approved by:	
			
_____ Ada / Assistant	_____ Tony.Tang/ Engineer	_____ IcemanHu / Manager	
<b>Other Aspects:</b>	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)

<b>Product Name</b>	: Bluetooth Receiver
<b>Model Number</b>	: BT30
<b>FCC ID</b>	: CCRBT30
<b>Operation frequency</b>	: 2402MHz~2480MHz
<b>Number of channel</b>	: 79
<b>Antenna</b>	: Internal antenna, 1 dBi gain
<b>Modulation</b>	: FHSS (GFSK, $\pi/4$ -DQPSK, 8-DPSK)
<b>Sample Type</b>	: Prototype production

## 2. SUMMARY OF TEST

### 2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) DA 00-705	N/A
20dB Bandwidth	FCC Part 15: 15.215 DA 00-705	N/A
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) DA 00-705	N/A
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	N/A
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	N/A
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4: 2003 DA 00-705	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) DA 00-705	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4: 2003 DA 00-705	N/A
Antenna requirement	FCC Part 15: 15.203	N/A
<p>Note: Because the transmitter module it self has not changed. So relevant test needn't re-tested, Test data refer to test report "ESTE-R1311021".</p>		

## 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: November 20, 2013  Certificated by Industry Canada Registration No.: 46405-9405 Date of registration: January 03, 2013  Certificated by VCCI, Japan Registration No.: R-3663 & C-4103 Date of registration: July 25, 2011  Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: January 07, 2011  Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011  Certificated by Intertek ETL SEMKO Registration No.: 2011-RTL-L1-18 Date of registration: April 28, 2011  Certificated by Siemic, Inc. Registration No.: SLCN021 Date of registration: November 8, 2011  Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	San Tun Management Zone, Houjie Town, Dongguan, Guangdong, China

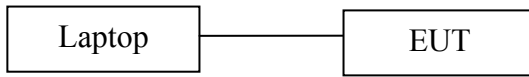
### 2.3. Assistant equipment used for test

#### 2.3.1. laptop

Description	Manufacturer	Model No.
Laptop	DELL	D610

### 2.4. Block Diagram

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



(EUT: Bluetooth Receiver)

## 2.5. Test mode

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

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

## 2.6. Channel List for Bluetooth

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



## 2.7. Test Equipment

### 2.7.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	Jun,23,13	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	Jun,23,13	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	Jun,23,13	1 Year

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

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	Jun,23,13	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	Jun ,23,13	1 Year
Bilog Antenna	Teseq	CBL 6111D	25872	Jun ,29,13	1Year
Signal Amplifier	Agilent	310N	187037	Jun .23,13	1 Year

### 2.7.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	BBHA9120D1 002	Jun .29,13	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	Jun .23,13	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	Jun .23,13	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	Jun .21.13	1 Year

### 3. RADIATED EMISSIONS

#### 3.1. Limit

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

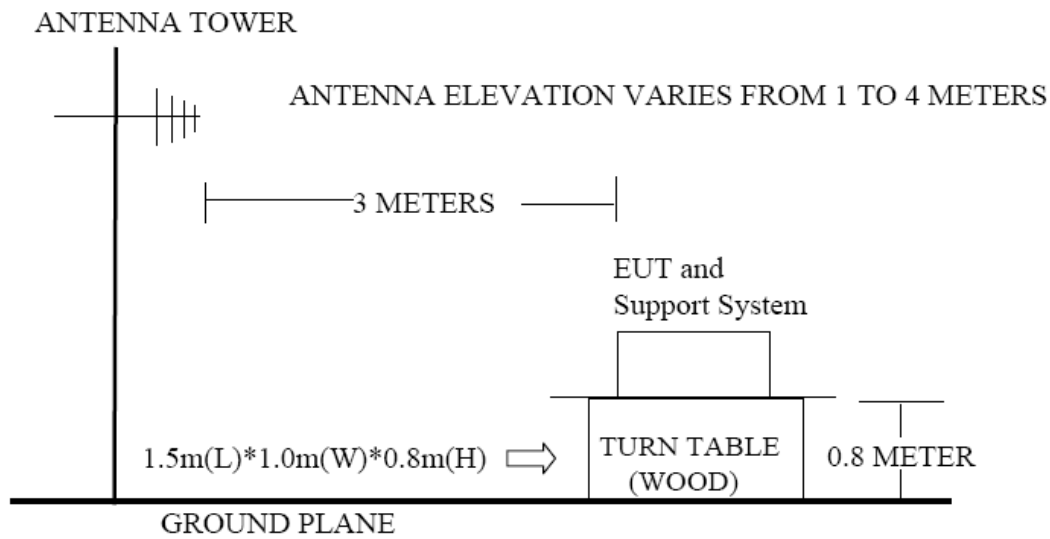
#### 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
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	( <sup>2</sup> )

#### 15.209 Limit

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

### 3.2. Block Diagram of Test setup



### 3.3. Test Procedure

EUT was 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. Both horizontal and vertical polarization of the antenna are set on test.

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

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

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

### 3.4. Test Result

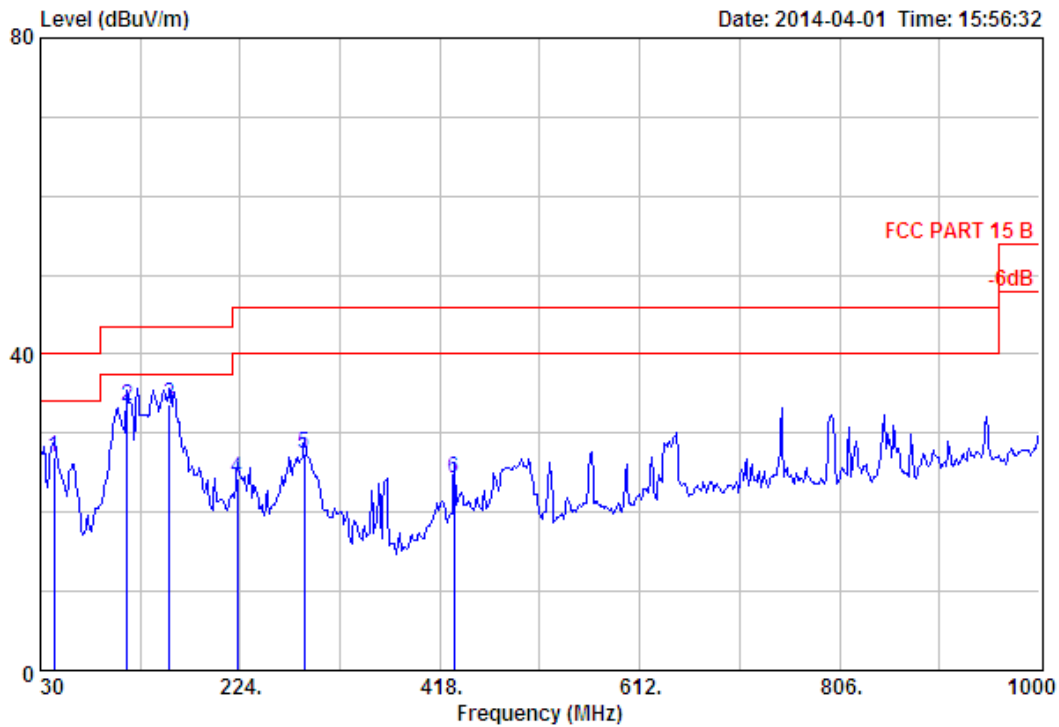
30MHz—25GHz Radiated emission Test result		
EUT: Bluetooth Receiver		
M/N: BT30		
Power: DC 5V		
Test date: 2014-03-31~04-04	Test site: 3m Chamber	Tested by: Tony Tang
Test mode: Tx Mode		
Pass		

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

2、 The frequency 2402MHz 、 2441MHz and 2480MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

### 3.5. Test Data

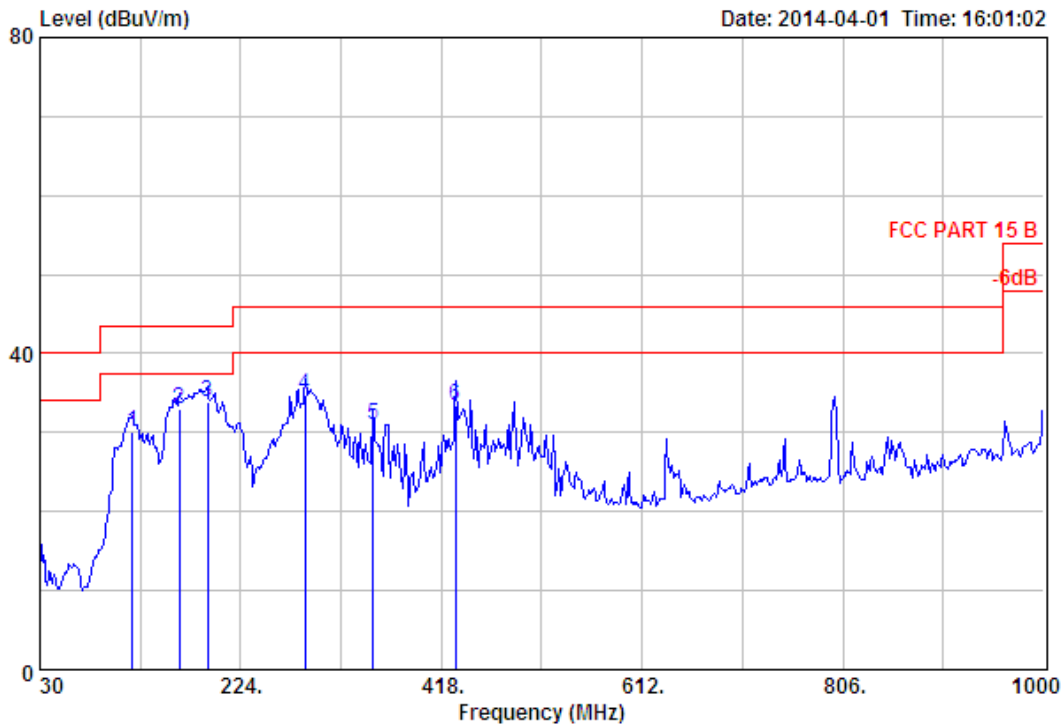
30 MHz – 1000 MHz



```

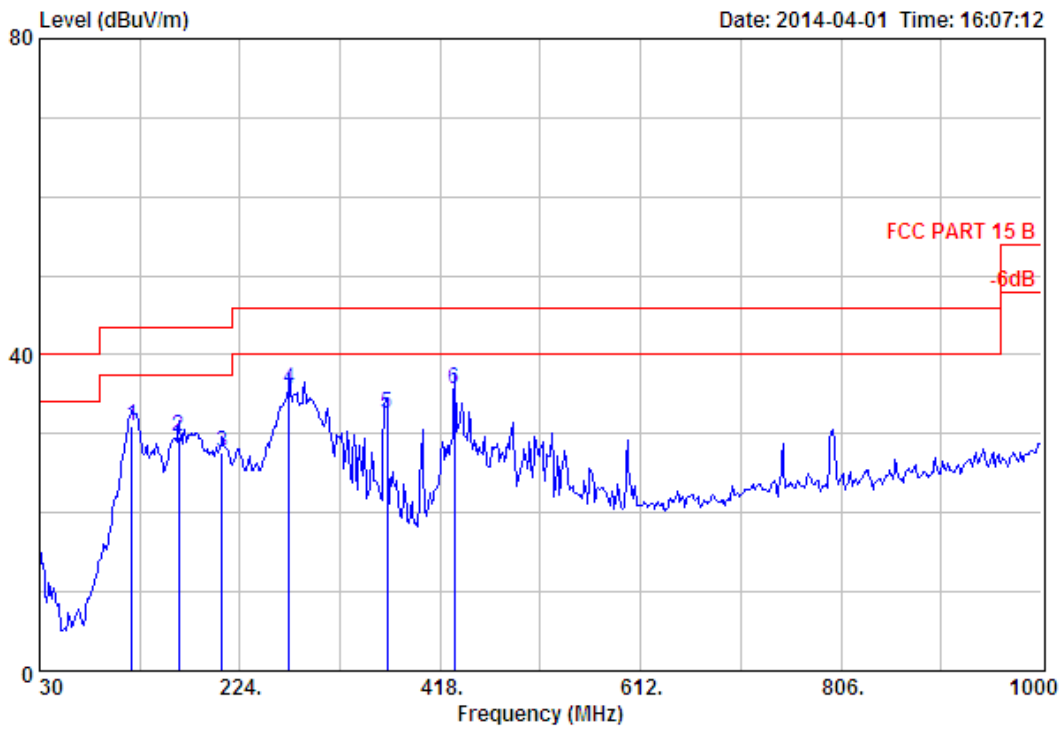
Site no.      : 3m Chamber                Data no. : 75
Dis. / Ant.  : 3m 27137                  Ant. pol. : VERTICAL
Limit        : FCC PART 15 B
Env. / Ins.  : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer     : Tony
EUT          : Bluetooth Receiver
Power        : DC 5V
M/N          : BT30
Test Mode    : GFSK TX 2402MHz
    
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	43.58	10.52	0.84	15.67	27.03	40.00	12.97	QP
2	114.39	10.85	1.42	21.10	33.37	43.50	10.13	QP
3	155.13	10.67	1.69	21.27	33.63	43.50	9.87	QP
4	221.09	9.26	2.01	12.93	24.20	46.00	21.80	QP
5	286.08	12.59	2.32	12.51	27.42	46.00	18.58	QP
6	431.58	16.09	2.77	5.50	24.36	46.00	21.64	QP



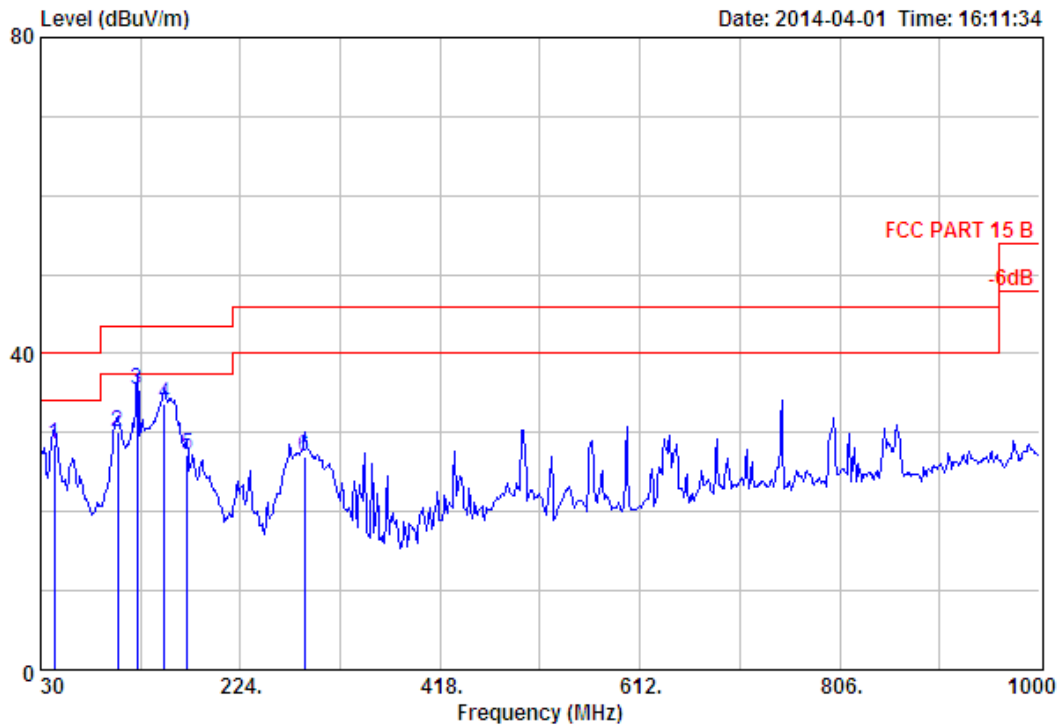
Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission				Margin (dB)	Remark
			Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1	119.24	11.11	1.42	17.58	30.11	43.50	13.39	QP
2	164.83	9.77	1.66	21.46	32.89	43.50	10.61	QP
3	191.99	7.85	1.78	24.32	33.95	43.50	9.55	QP
4	286.08	12.59	2.32	19.89	34.80	46.00	11.20	QP
5	352.04	14.47	2.53	14.02	31.02	46.00	14.98	QP
6	431.58	16.09	2.77	14.62	33.48	46.00	12.52	QP



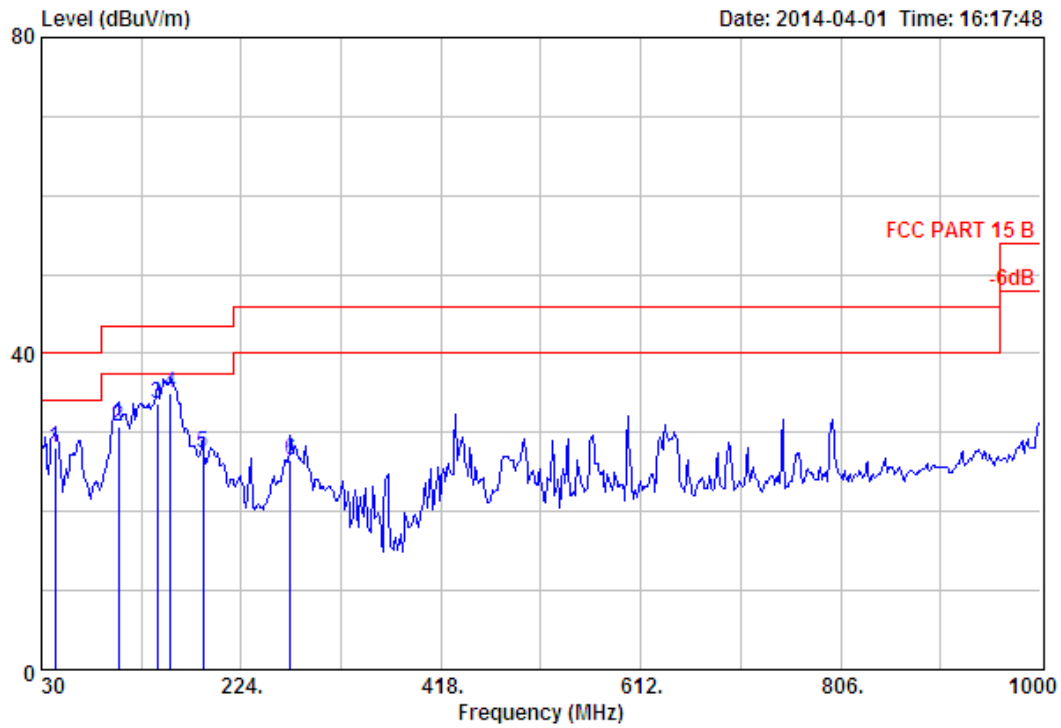
Site no. : 3m Chamber Data no. : 77  
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	119.24	11.11	1.42	18.42	30.95	43.50	12.55	QP
2	164.83	9.77	1.66	18.11	29.54	43.50	13.96	QP
3	206.54	8.09	1.81	17.63	27.53	43.50	15.97	QP
4	271.53	12.49	2.29	20.87	35.65	46.00	10.35	QP
5	366.59	14.72	2.71	15.21	32.64	46.00	13.36	QP
6	431.58	16.09	2.77	16.77	35.63	46.00	10.37	QP



Site no. : 3m Chamber Data no. : 78  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

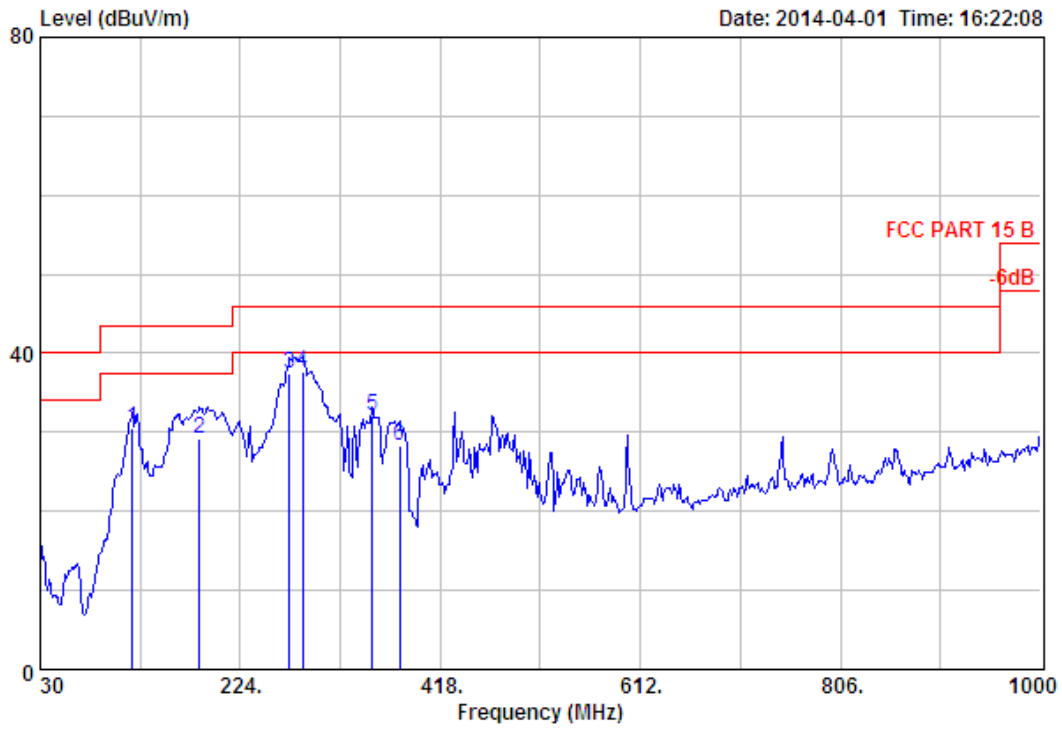
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	43.58	10.52	0.84	17.17	28.53	40.00	11.47	QP
2	104.69	9.95	1.44	18.59	29.98	43.50	13.52	QP
3	124.09	11.31	1.53	22.50	35.34	43.50	8.16	QP
4	150.28	10.86	1.60	21.16	33.62	43.50	9.88	QP
5	172.59	9.07	1.68	16.37	27.12	43.50	16.38	QP
6	286.08	12.59	2.32	12.12	27.03	46.00	18.97	QP



Site no. : 3m Chamber Data no. : 79  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

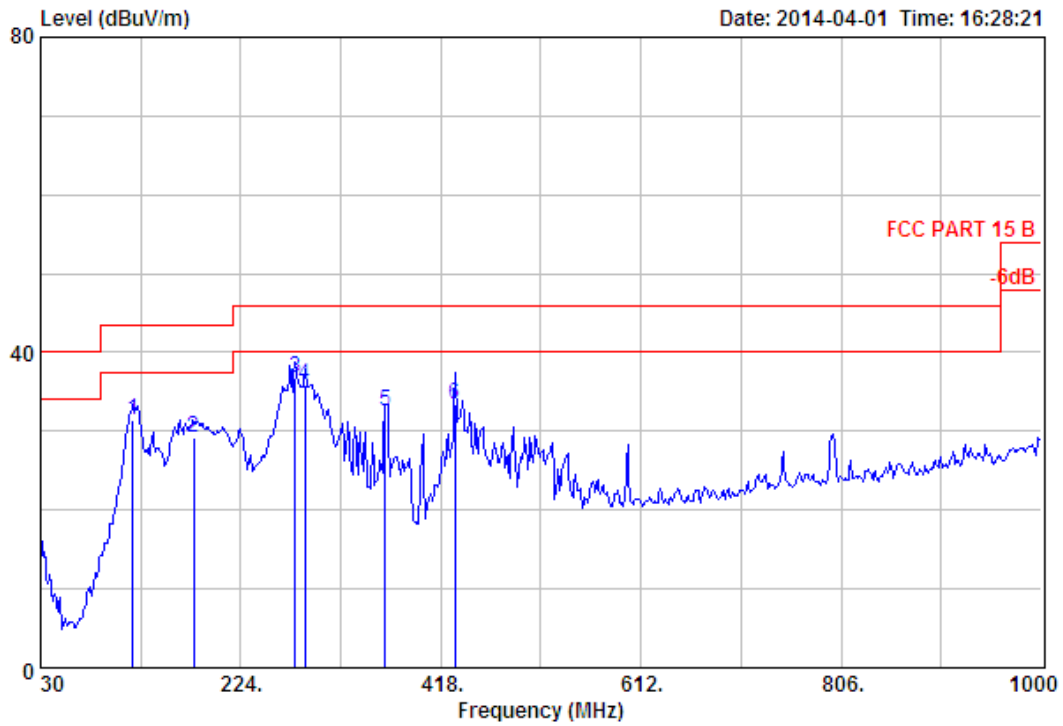
	Ant.		Cable		Emission			Remark
	Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	43.58	10.52	0.84	16.76	28.12	40.00	11.88	QP
2	104.69	9.95	1.44	19.39	30.78	43.50	12.72	QP
3	142.52	11.33	1.53	20.80	33.66	43.50	9.84	QP
4	155.13	10.67	1.69	22.65	35.01	43.50	8.49	QP
5	187.14	8.26	1.84	17.40	27.50	43.50	16.00	QP
6	271.53	12.49	2.29	11.84	26.62	46.00	19.38	QP





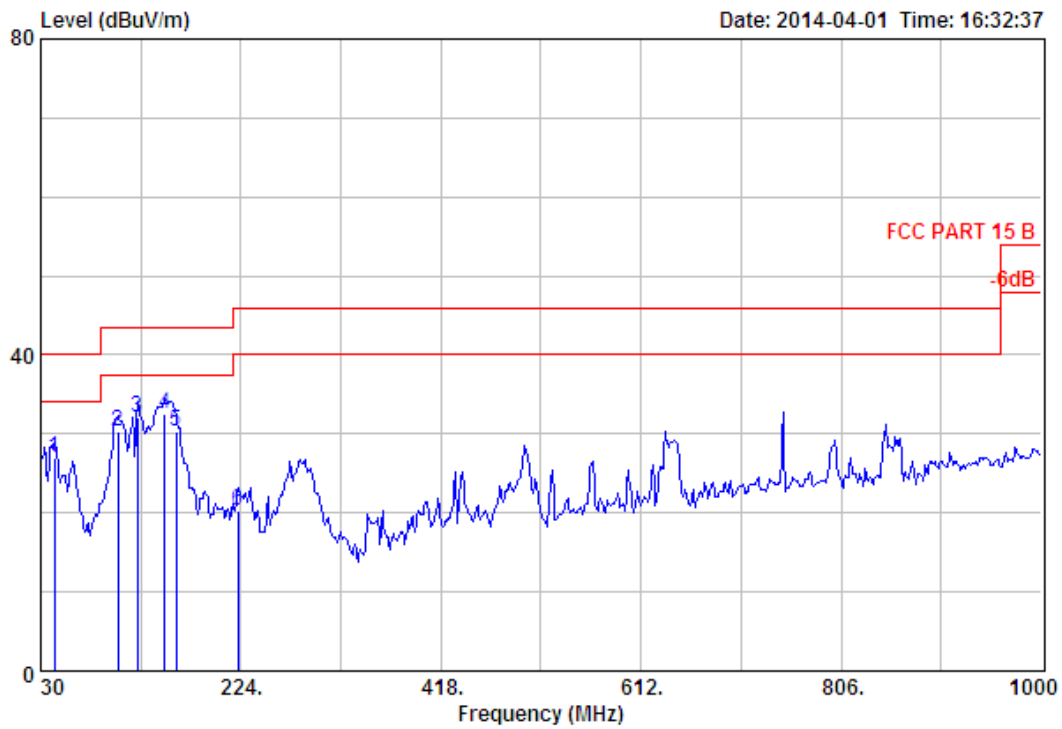
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 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
				Level (dBuV/m)	Limits (dBuV/m)		
1	11.11	1.42	18.04	30.57	43.50	12.93	QP
2	8.57	1.71	18.84	29.12	43.50	14.38	QP
3	12.49	2.29	22.71	37.49	46.00	8.51	QP
4	12.52	2.36	22.68	37.56	46.00	8.44	QP
5	14.47	2.53	15.16	32.16	46.00	13.84	QP
6	14.98	2.62	10.78	28.38	46.00	17.62	QP



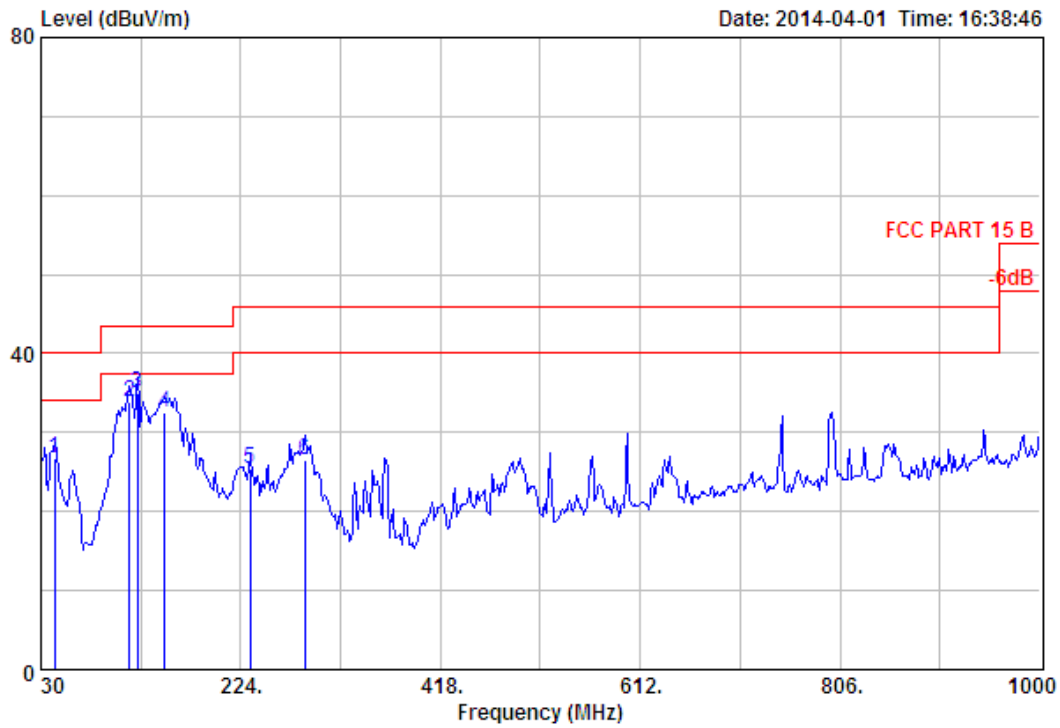
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 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	119.24	11.11	1.42	18.84	31.37	43.50	12.13	QP
2	178.41	8.96	1.69	18.53	29.18	43.50	14.32	QP
3	276.38	12.36	2.26	22.20	36.82	46.00	9.18	QP
4	286.08	12.59	2.32	21.00	35.91	46.00	10.09	QP
5	363.68	14.61	2.59	15.30	32.50	46.00	13.50	QP
6	431.58	16.09	2.77	14.49	33.35	46.00	12.65	QP



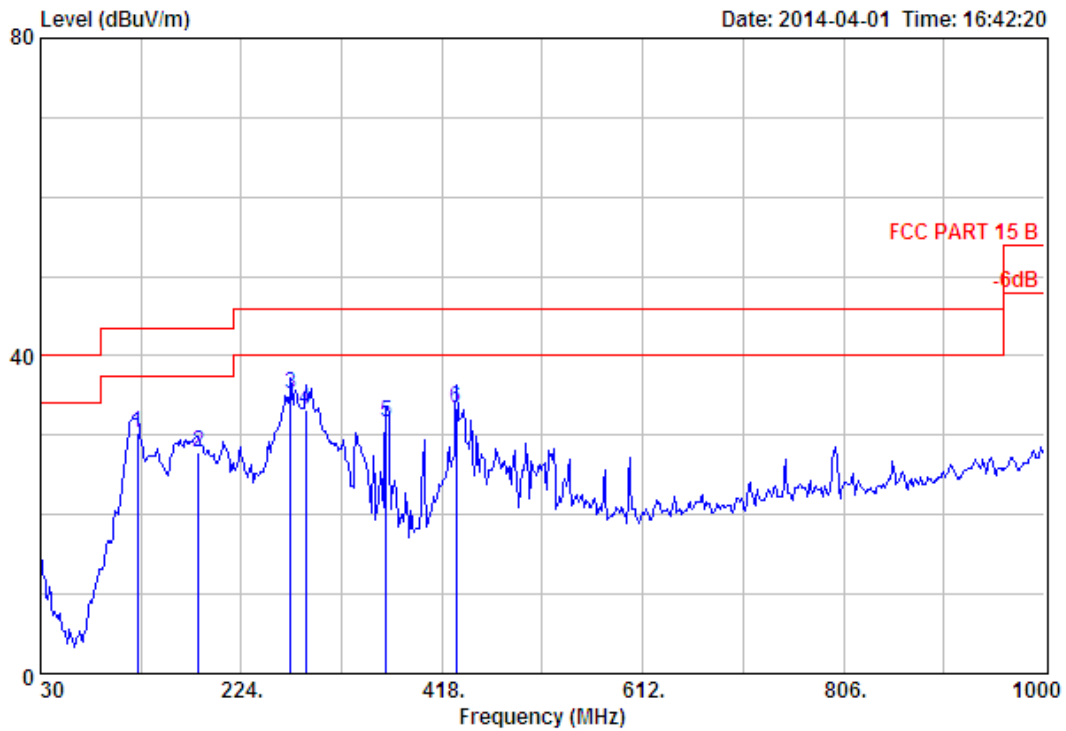
Site no. : 3m Chamber Data no. : 82  
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)		
1	43.58	10.52	0.84	15.61	26.97	40.00	13.03	QP
2	104.69	9.95	1.44	18.89	30.28	43.50	13.22	QP
3	124.09	11.31	1.53	19.26	32.10	43.50	11.40	QP
4	150.28	10.86	1.60	20.11	32.57	43.50	10.93	QP
5	160.95	10.24	1.70	18.44	30.38	43.50	13.12	QP
6	221.09	9.26	2.01	8.98	20.25	46.00	25.75	QP



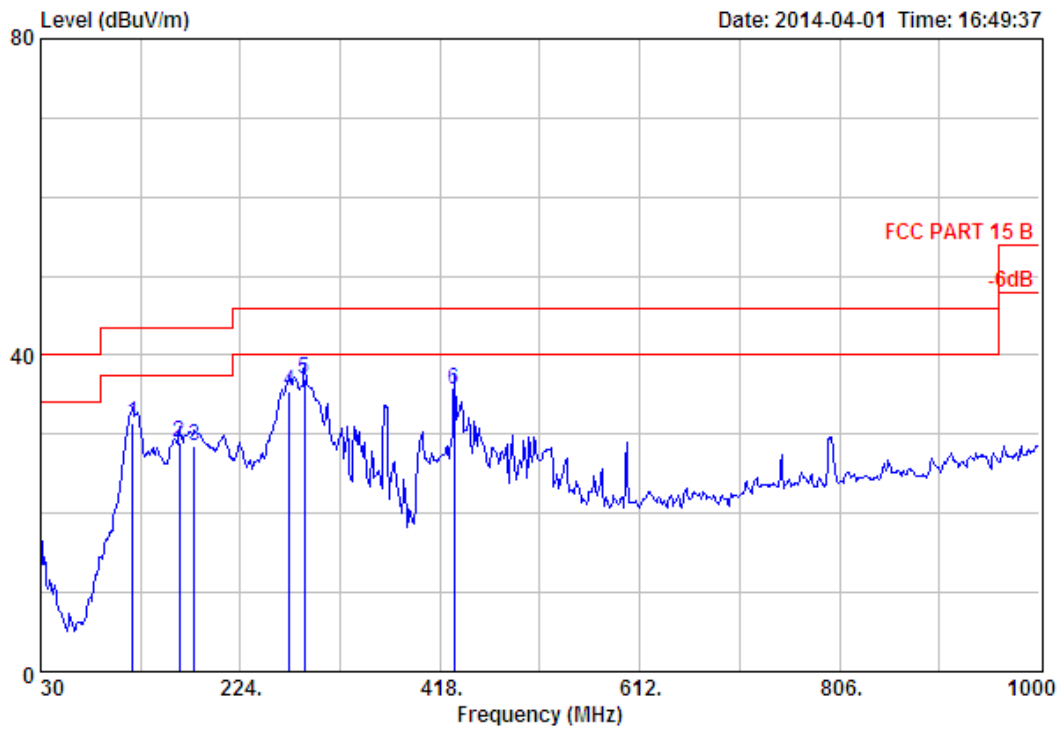
Site no. : 3m Chamber Data no. : 83  
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission				Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	43.58	10.52	0.84	15.38	26.74	40.00	13.26	QP
2	116.33	10.98	1.50	21.39	33.87	43.50	9.63	QP
3	124.09	11.31	1.53	22.14	34.98	43.50	8.52	QP
4	150.28	10.86	1.60	20.13	32.59	43.50	10.91	QP
5	232.73	9.59	2.08	13.62	25.29	46.00	20.71	QP
6	286.08	12.59	2.32	11.72	26.63	46.00	19.37	QP



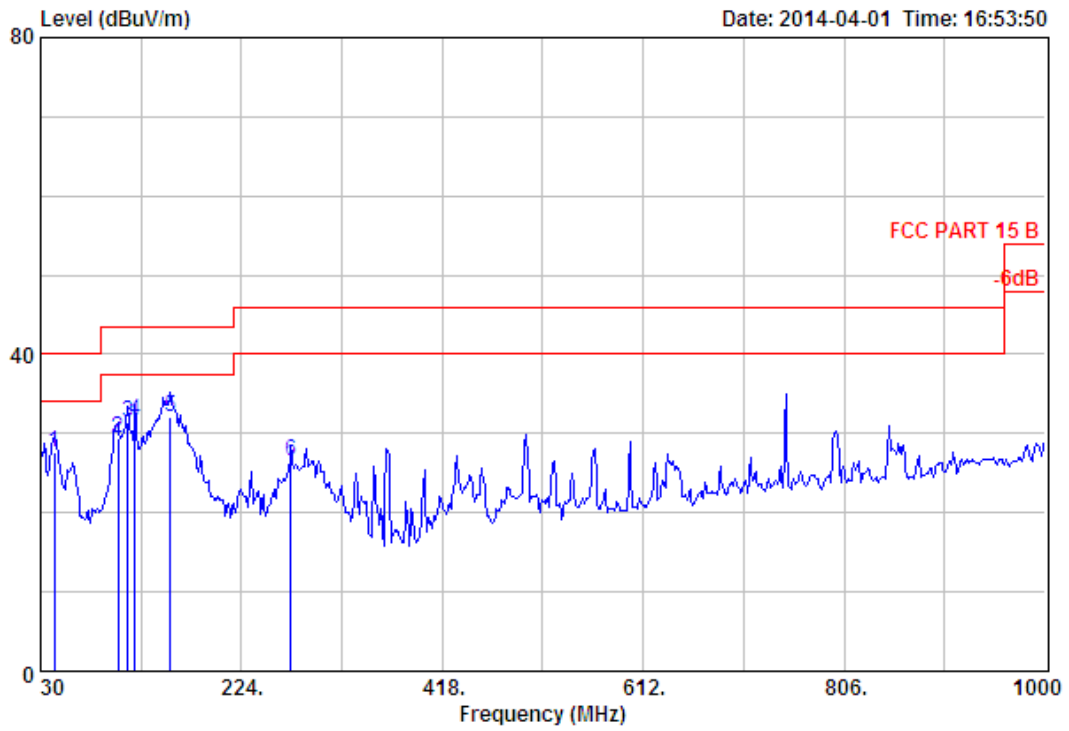
Site no. : 3m Chamber Data no. : 84  
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission			Remark
					Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	
1	124.09	11.31	1.53	17.39	30.23	43.50	13.27	QP
2	182.29	8.76	1.67	17.41	27.84	43.50	15.66	QP
3	271.53	12.49	2.29	20.35	35.13	46.00	10.87	QP
4	286.08	12.59	2.32	18.31	33.22	46.00	12.78	QP
5	363.68	14.61	2.59	14.37	31.57	46.00	14.43	QP
6	431.58	16.09	2.77	14.53	33.39	46.00	12.61	QP



Site no. : 3m Chamber Data no. : 85  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

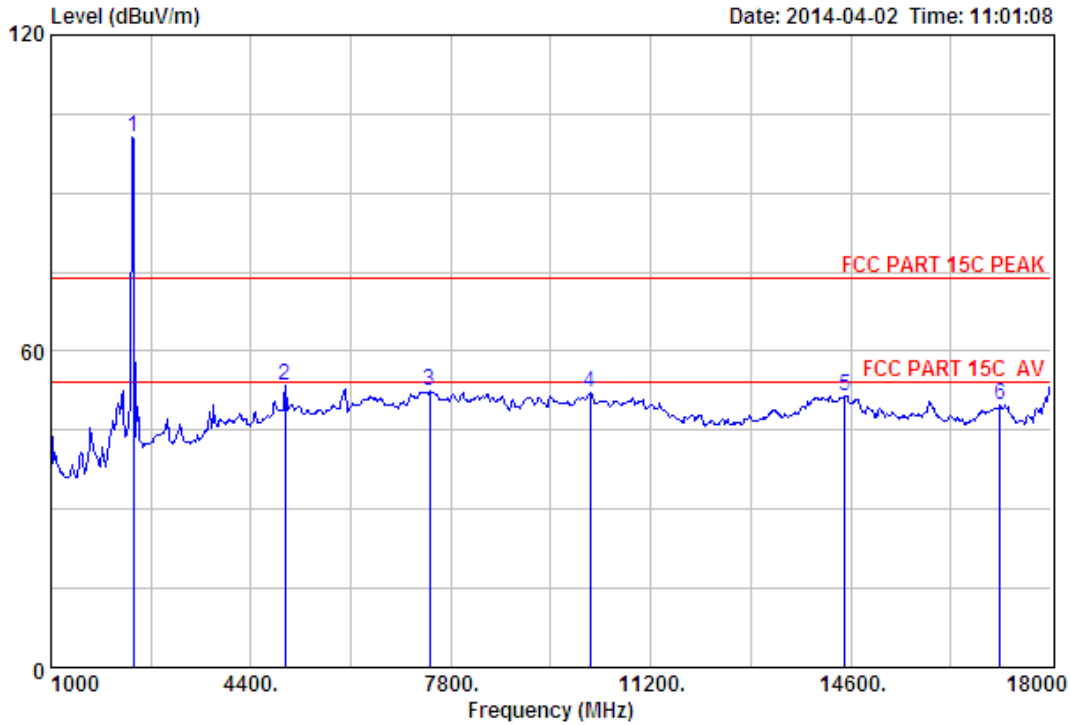
	Ant.		Cable		Emission			Remark
	Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	119.24	11.11	1.42	18.91	31.44	43.50	12.06	QP
2	164.83	9.77	1.66	17.54	28.97	43.50	14.53	QP
3	179.38	8.96	1.72	17.77	28.45	43.50	15.05	QP
4	271.53	12.49	2.29	20.67	35.45	46.00	10.55	QP
5	286.08	12.59	2.32	22.07	36.98	46.00	9.02	QP
6	431.58	16.09	2.77	16.87	35.73	46.00	10.27	QP



Site no. : 3m Chamber Data no. : 86  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	43.58	10.52	0.84	16.33	27.69	40.00	12.31	QP
2	104.69	9.95	1.44	17.99	29.38	43.50	14.12	QP
3	114.39	10.85	1.42	19.05	31.32	43.50	12.18	QP
4	121.18	11.20	1.40	19.10	31.70	43.50	11.80	QP
5	155.13	10.67	1.69	19.76	32.12	43.50	11.38	QP
6	271.53	12.49	2.29	11.78	26.56	46.00	19.44	QP

1000 MHz – 18000MHz

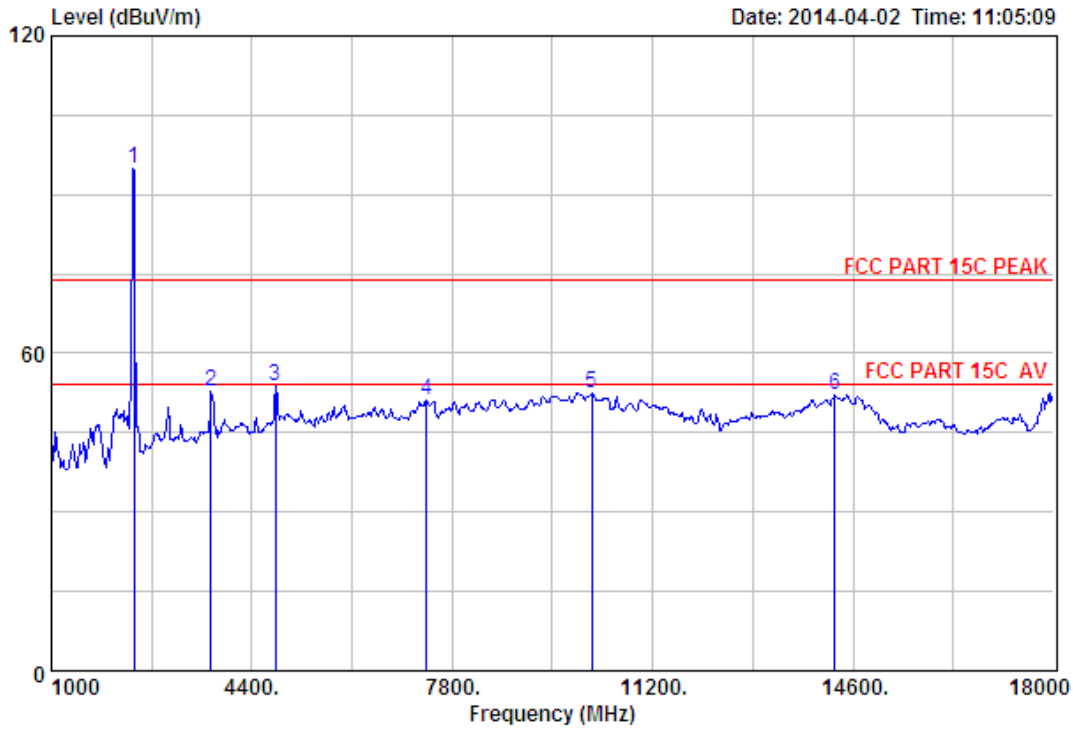


Site no. : 3m Chamber Data no. : 87  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz

	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	2402.00	27.61	6.62	34.18	100.56	100.61	74.00	-26.61	Peak
2	4978.00	31.52	12.52	31.99	41.35	53.40	74.00	20.60	Peak
3	7443.00	36.54	11.61	31.93	36.19	52.41	74.00	21.59	Peak
4	10163.00	38.39	11.50	32.08	34.30	52.11	74.00	21.89	Peak
5	14498.00	41.88	10.93	33.08	31.87	51.60	74.00	22.40	Peak
6	17133.00	40.26	10.94	33.03	31.70	49.87	74.00	24.13	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.

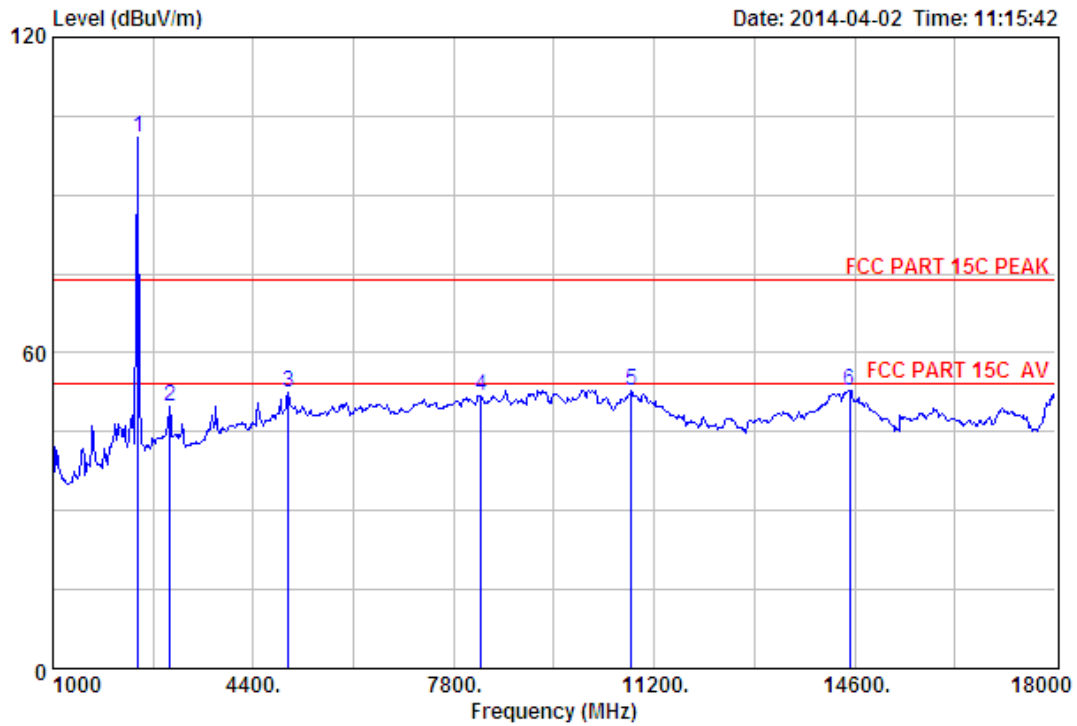




Site no. : 3m Chamber Data no. : 88  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBUV/m)	Margin (dB)	Remark
					Reading (dBUV)	Level (dBUV/m)			
1	2402.00	27.61	6.62	34.18	94.89	94.94	74.00	-20.94	Peak
2	3703.00	28.89	9.60	32.66	47.05	52.88	74.00	21.12	Peak
3	4804.00	31.25	11.77	31.81	42.52	53.73	74.00	20.27	Peak
4	7358.00	36.56	11.58	31.99	34.84	50.99	74.00	23.01	Peak
5	10163.00	38.39	11.50	32.08	34.65	52.46	74.00	21.54	Peak
6	14294.00	41.71	10.92	33.08	32.55	52.10	74.00	21.90	Peak

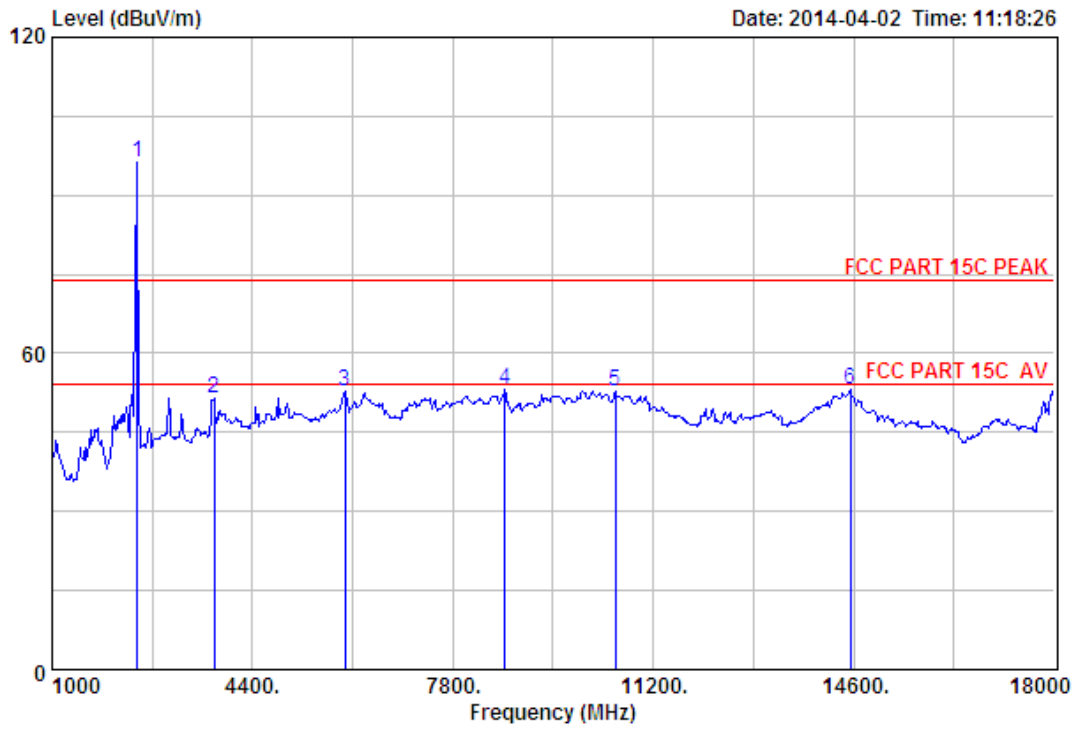
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

	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	2441.00	27.60	6.67	34.12	100.92	101.07	74.00	-27.07	Peak
2	2989.00	28.19	8.97	33.58	46.32	49.90	74.00	24.10	Peak
3	4995.00	31.54	12.59	32.00	40.50	52.63	74.00	21.37	Peak
4	8259.00	36.67	11.43	31.53	35.39	51.96	74.00	22.04	Peak
5	10809.00	39.31	11.30	33.30	35.61	52.92	74.00	21.08	Peak
6	14515.00	41.89	10.93	33.14	33.10	52.78	74.00	21.22	Peak

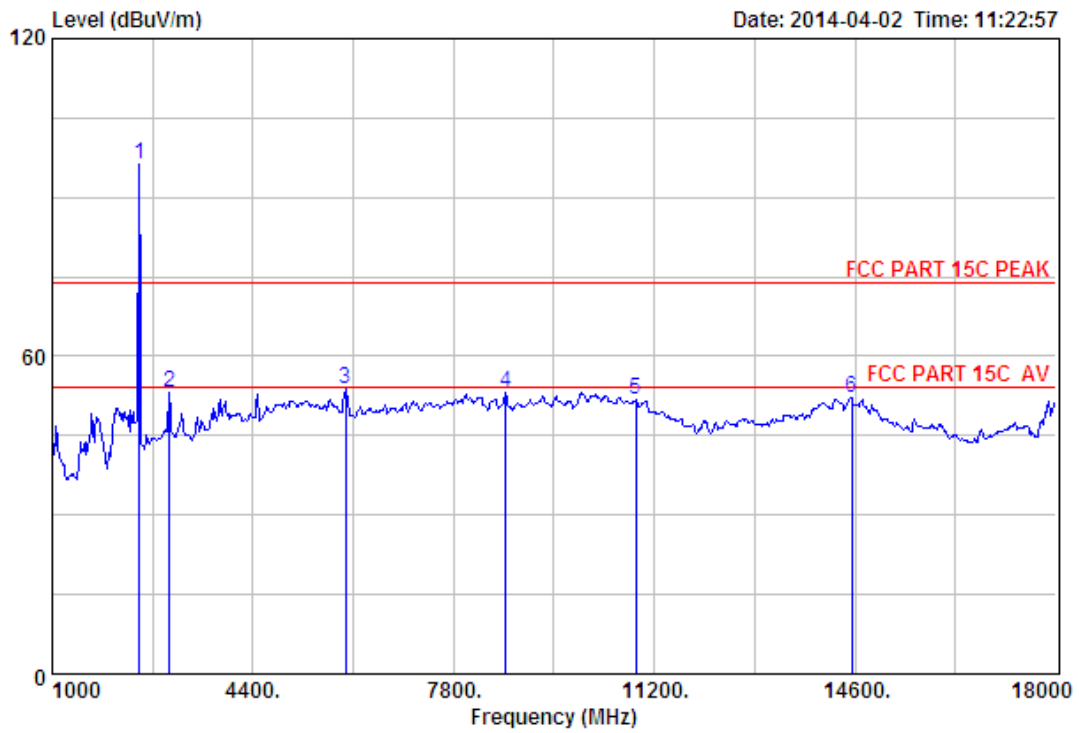
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 92  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

	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	2441.00	27.60	6.67	34.12	96.07	96.22	74.00	-22.22	Peak
2	3754.00	28.99	9.83	32.61	45.17	51.38	74.00	22.62	Peak
3	5964.00	32.70	12.11	32.28	40.35	52.88	74.00	21.12	Peak
4	8684.00	37.32	11.45	32.43	36.73	53.07	74.00	20.93	Peak
5	10554.00	39.04	11.31	32.82	35.43	52.96	74.00	21.04	Peak
6	14549.00	41.77	10.92	33.26	33.71	53.14	74.00	20.86	Peak

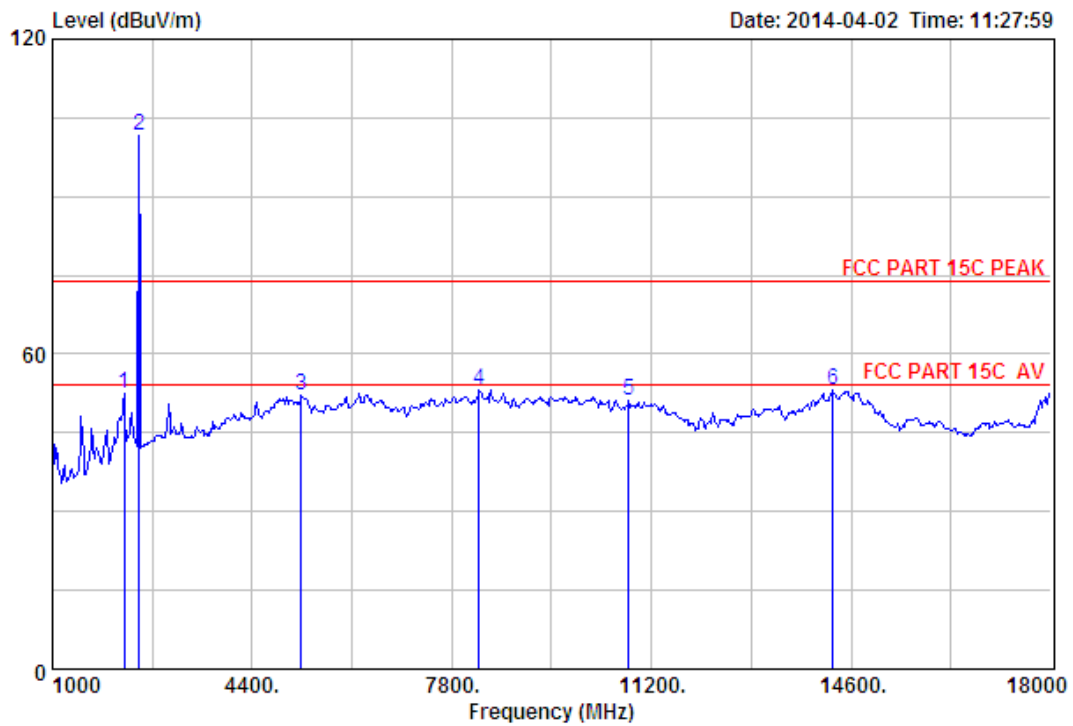
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 93  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

	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	2480.00	27.58	6.71	34.03	95.88	96.14	74.00	-22.14	Peak
2	2989.00	28.19	8.97	33.58	49.67	53.25	74.00	20.75	Peak
3	5964.00	32.70	12.11	32.28	41.14	53.67	74.00	20.33	Peak
4	8684.00	37.32	11.45	32.43	36.85	53.19	74.00	20.81	Peak
5	10894.00	39.41	11.29	33.46	34.53	51.77	74.00	22.23	Peak
6	14549.00	41.77	10.92	33.26	32.66	52.09	74.00	21.91	Peak

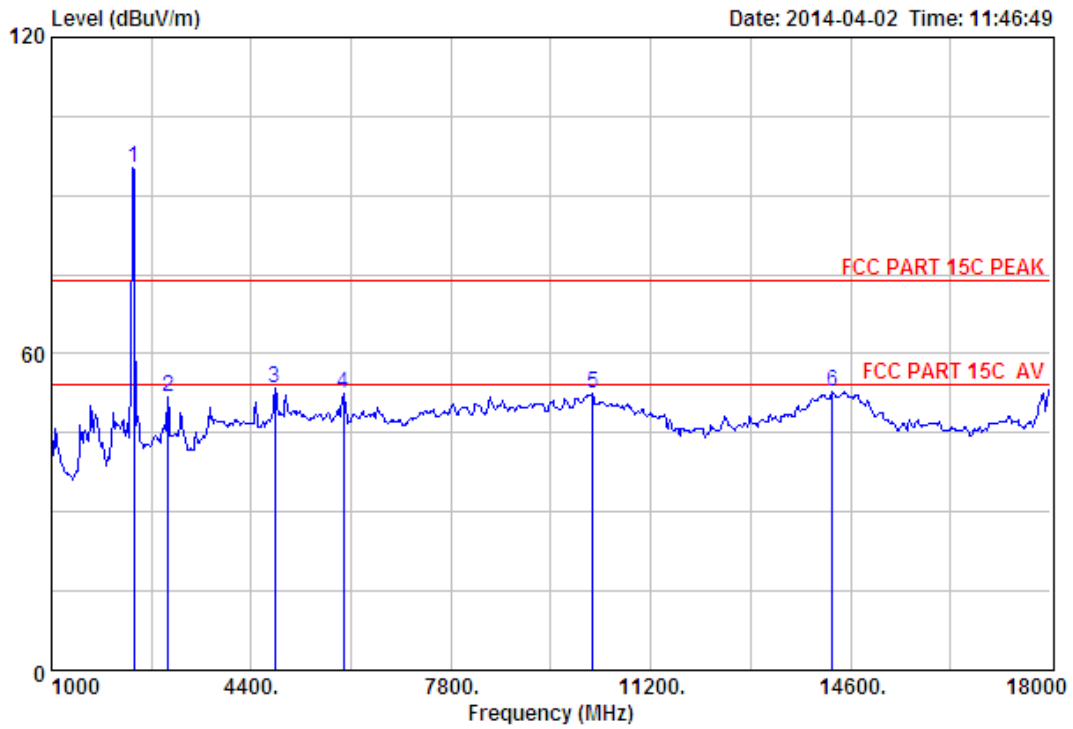
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 94  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

	Ant.	Cable	Amp	Emission		Limits	Margin	Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	(dBuV/m)	(dB)	
1	27.81	6.43	34.30	52.58	52.52	74.00	21.48	Peak
2	27.58	6.71	34.03	101.25	101.51	74.00	-27.51	Peak
3	31.68	12.31	32.18	40.39	52.20	74.00	21.80	Peak
4	36.67	11.43	31.53	36.51	53.08	74.00	20.92	Peak
5	39.31	11.30	33.30	33.85	51.16	74.00	22.84	Peak
6	41.71	10.92	33.08	33.46	53.01	74.00	20.99	Peak

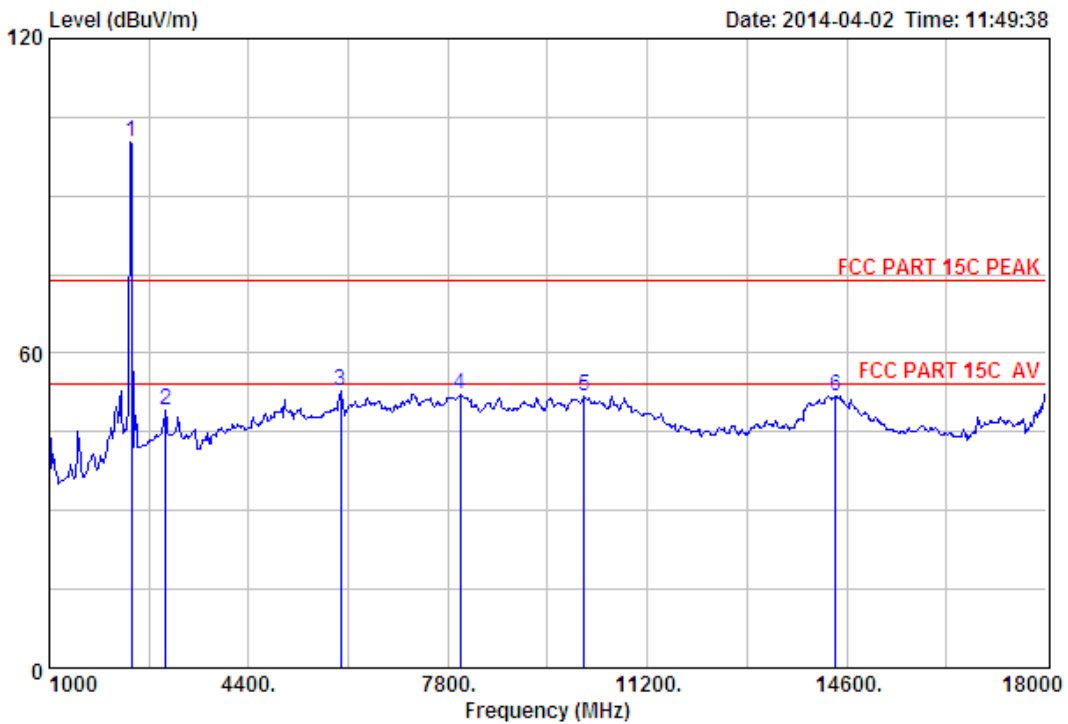
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 103  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Level (dBuV/m)	Level (dBuV/m)			
1	27.61	6.62	34.18	95.22	95.27	74.00	-21.27	Peak	
2	28.19	8.97	33.58	48.27	51.85	74.00	22.15	Peak	
3	31.25	11.77	31.81	42.31	53.52	74.00	20.48	Peak	
4	32.70	12.11	32.28	39.86	52.39	74.00	21.61	Peak	
5	38.48	11.47	32.17	34.56	52.34	74.00	21.66	Peak	
6	41.71	10.92	33.08	33.37	52.92	74.00	21.08	Peak	

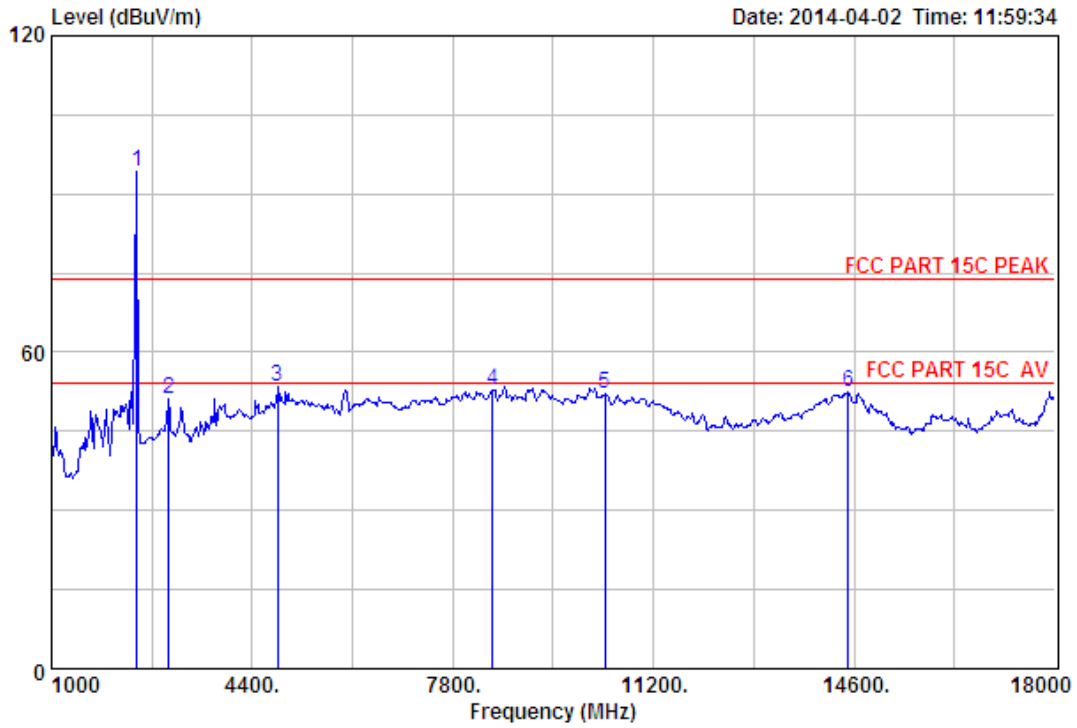
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 104  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

	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	2402.00	27.61	6.62	34.18	100.34	100.39	74.00	-26.39	Peak
2	2989.00	28.19	8.97	33.58	45.61	49.19	74.00	24.81	Peak
3	5964.00	32.70	12.11	32.28	40.12	52.65	74.00	21.35	Peak
4	8004.00	37.01	11.40	31.22	34.84	52.03	74.00	21.97	Peak
5	10129.00	38.33	11.52	32.01	34.08	51.92	74.00	22.08	Peak
6	14413.00	41.80	10.92	32.78	31.96	51.90	74.00	22.10	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.

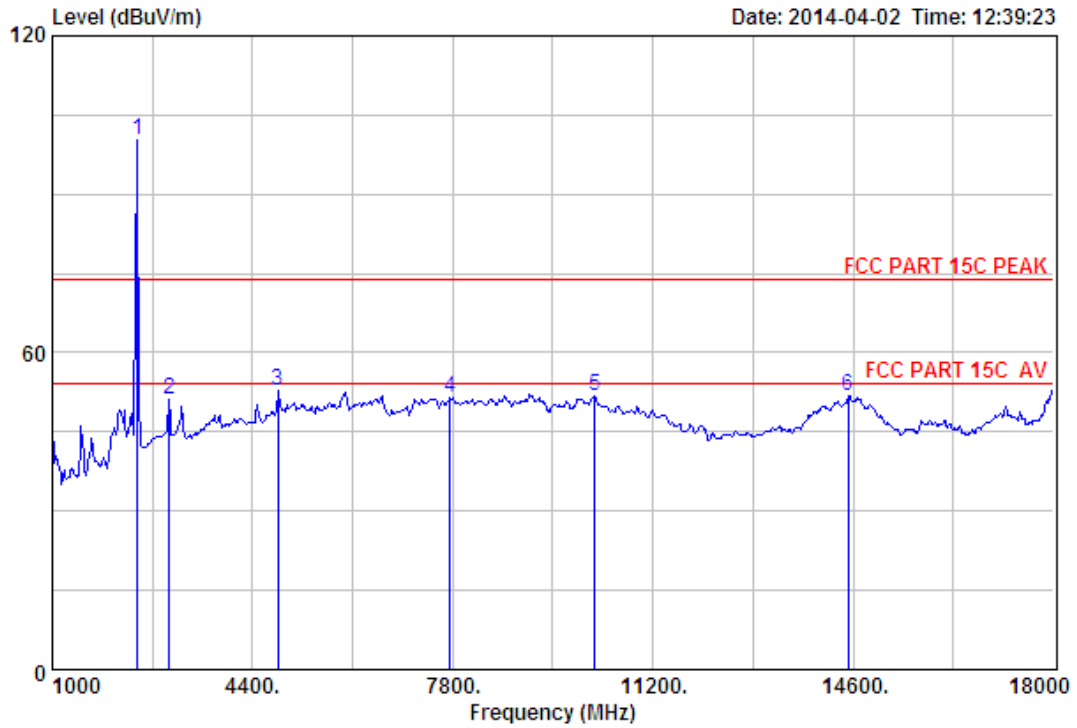


Site no. : 3m Chamber Data no. : 107  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

	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	2441.00	27.60	6.67	34.12	94.25	94.40	74.00	-20.40	Peak
2	2989.00	28.19	8.97	33.58	47.63	51.21	74.00	22.79	Peak
3	4825.00	31.28	11.84	31.83	42.15	53.44	74.00	20.56	Peak
4	8480.00	36.91	11.45	31.89	36.19	52.66	74.00	21.34	Peak
5	10384.00	38.77	11.38	32.50	34.38	52.03	74.00	21.97	Peak
6	14498.00	41.88	10.93	33.08	32.58	52.31	74.00	21.69	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.

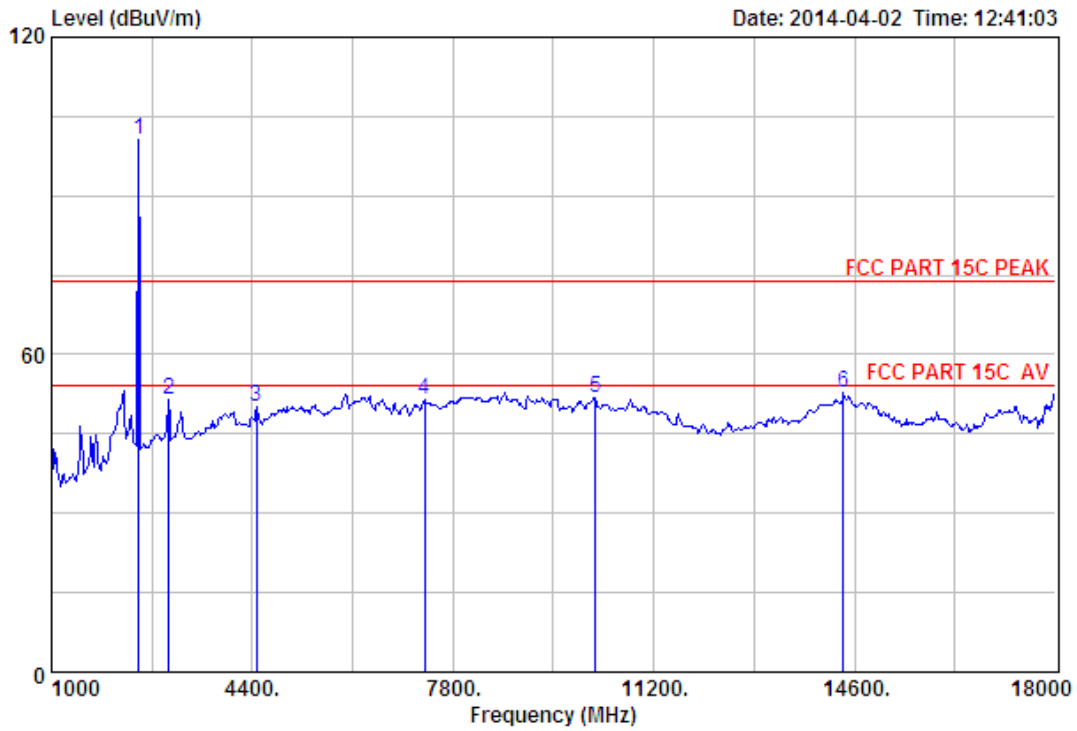




Site no. : 3m Chamber Data no. : 108  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

	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	2441.00	27.60	6.67	34.12	100.19	100.34	74.00	-26.34	Peak
2	2989.00	28.19	8.97	33.58	47.51	51.09	74.00	22.91	Peak
3	4825.00	31.28	11.84	31.83	41.38	52.67	74.00	21.33	Peak
4	7749.00	36.55	11.51	31.49	35.00	51.57	74.00	22.43	Peak
5	10214.00	38.48	11.47	32.17	34.02	51.80	74.00	22.20	Peak
6	14515.00	41.89	10.93	33.14	32.06	51.74	74.00	22.26	Peak

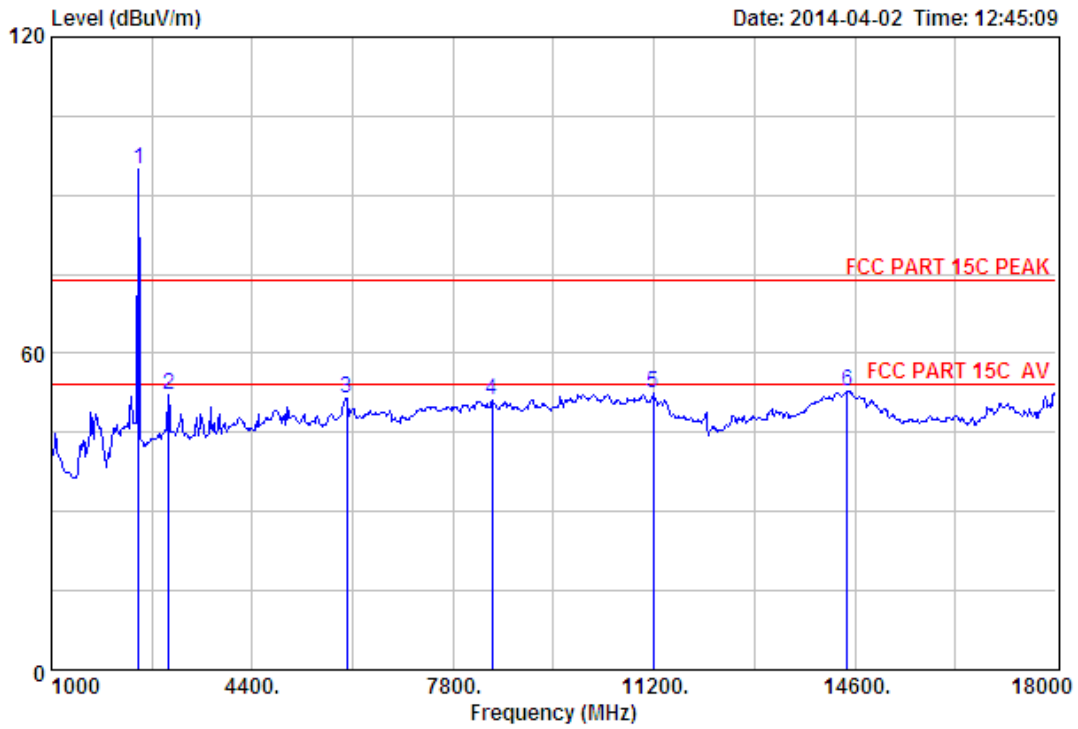
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 109  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

	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	2480.00	27.58	6.71	34.03	100.49	100.75	74.00	-26.75	Peak
2	2989.00	28.19	8.97	33.58	47.74	51.32	74.00	22.68	Peak
3	4468.00	30.53	10.45	31.81	41.10	50.27	74.00	23.73	Peak
4	7324.00	36.55	11.57	31.99	35.44	51.57	74.00	22.43	Peak
5	10214.00	38.48	11.47	32.17	34.03	51.81	74.00	22.19	Peak
6	14413.00	41.80	10.92	32.78	32.76	52.70	74.00	21.30	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.

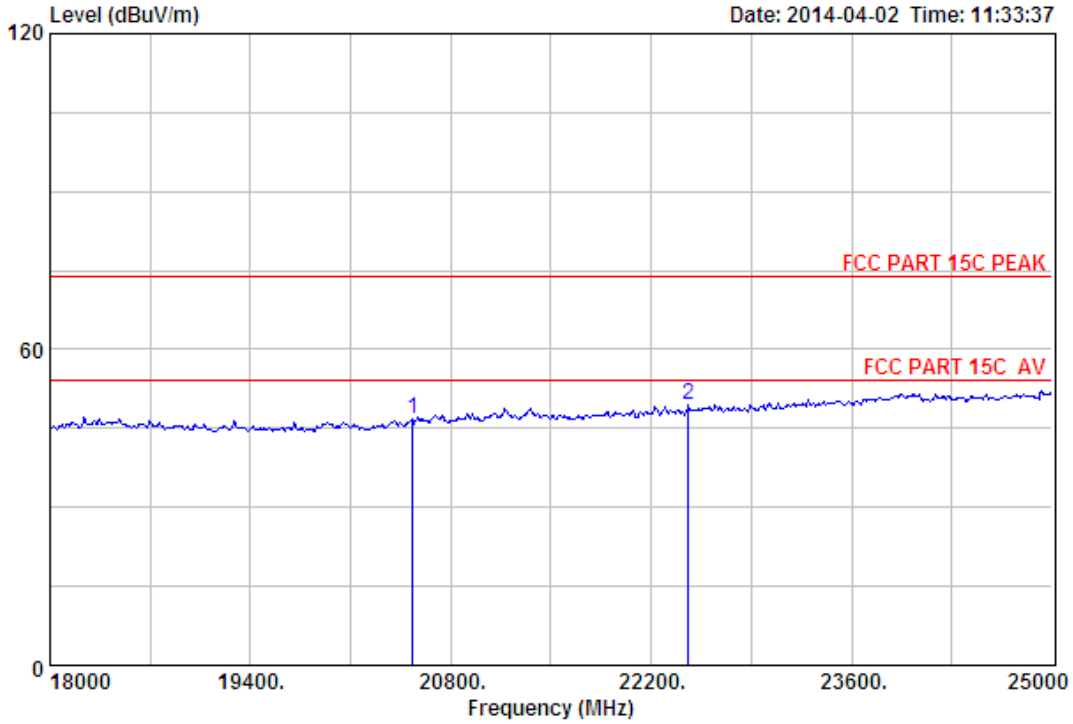


Site no. : 3m Chamber Data no. : 110  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

	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	2480.00	27.58	6.71	34.03	94.77	95.03	74.00	-21.03	Peak
2	2989.00	28.19	8.97	33.58	48.65	52.23	74.00	21.77	Peak
3	5998.00	32.77	12.12	32.25	38.94	51.58	74.00	22.42	Peak
4	8463.00	36.87	11.45	31.86	34.69	51.15	74.00	22.85	Peak
5	11183.00	39.40	11.15	34.00	35.79	52.34	74.00	21.66	Peak
6	14464.00	41.85	10.93	32.96	32.92	52.74	74.00	21.26	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.

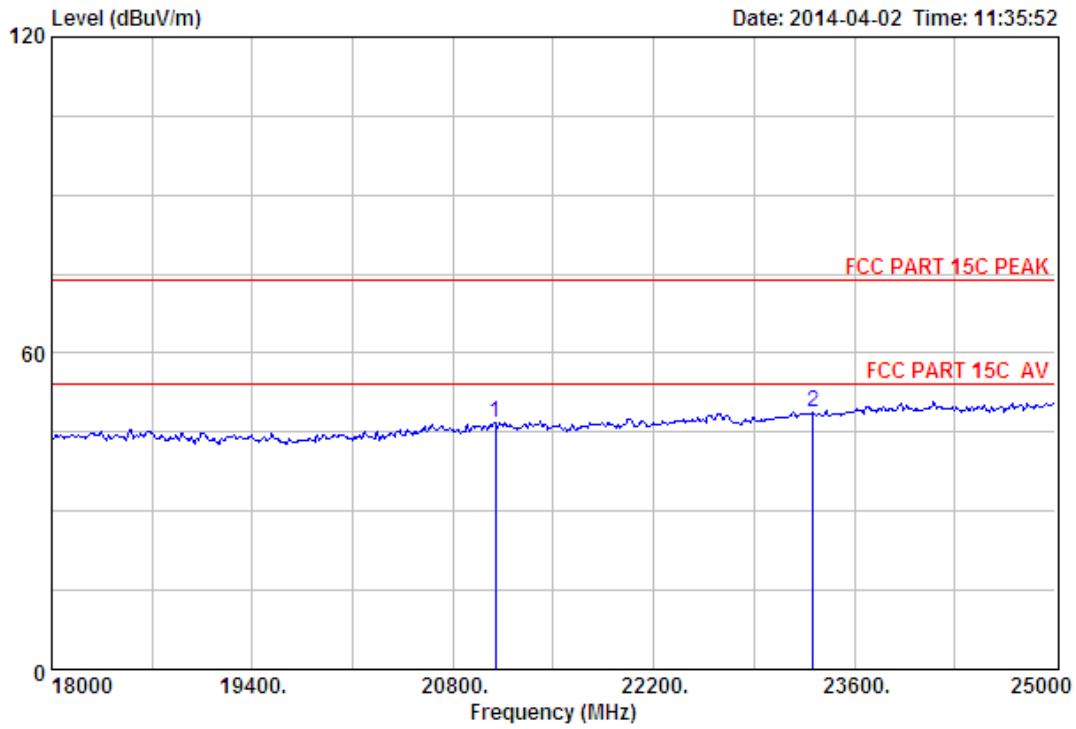
18000MHz – 25000MHz



Site no. : 3m Chamber Data no. : 97  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
						Level (dBuV/m)	Limits (dBuV/m)		
1	20534.00	46.01	19.92	36.23	17.08	46.78	74.00	27.22	Peak
2	22459.00	45.79	20.83	34.43	17.24	49.43	74.00	24.57	Peak

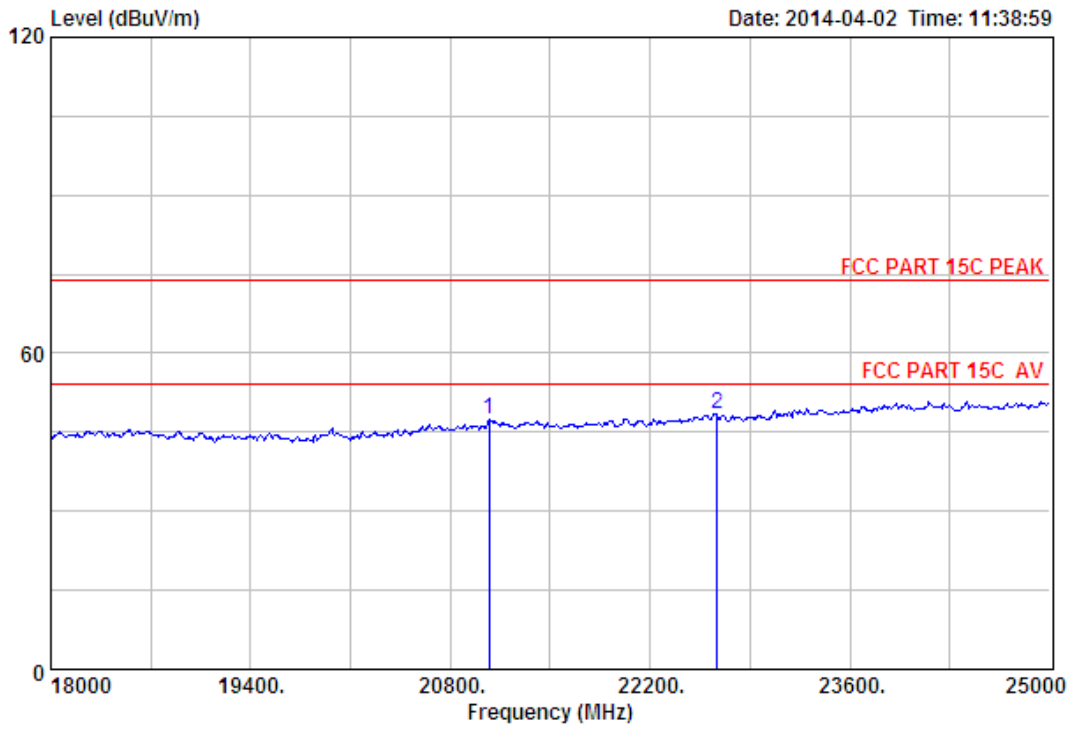
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 98  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz

	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	21094.00	46.23	20.17	35.71	16.25	46.94	74.00	27.06	Peak
2	23313.00	45.67	21.43	33.51	15.17	48.76	74.00	25.24	Peak

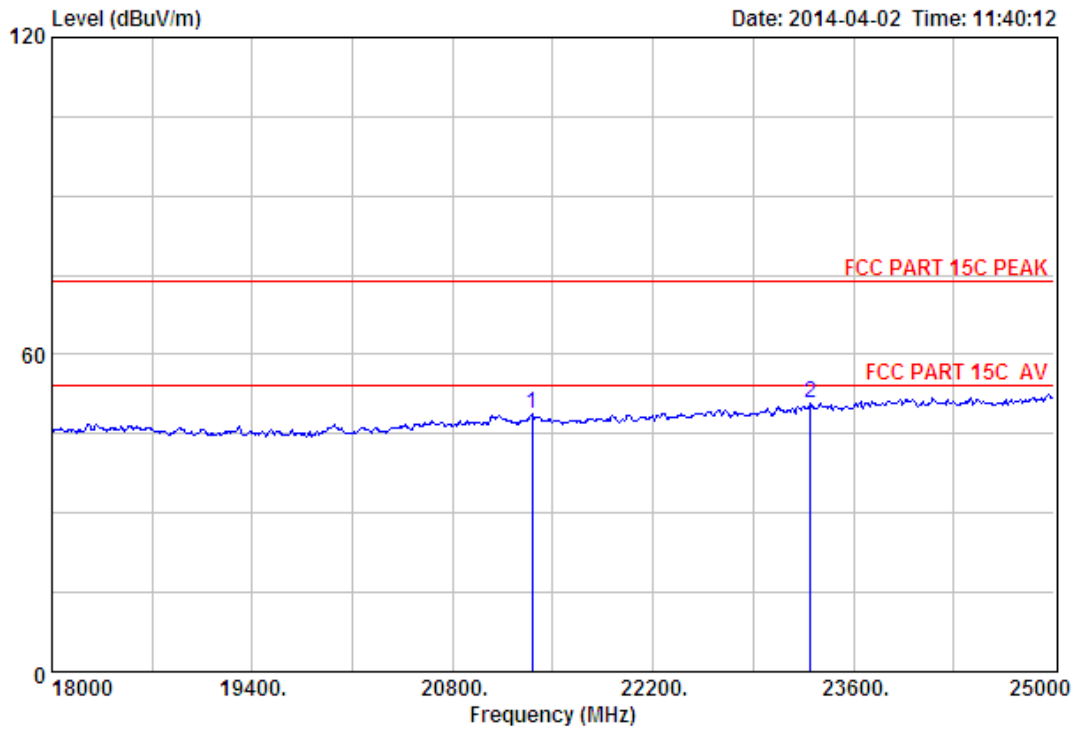
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 99  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission			Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)			
1	21073.00	46.25	20.16	35.73	16.73	47.41	74.00	26.59	Peak
2	22669.00	45.74	20.96	34.19	16.07	48.58	74.00	25.42	Peak

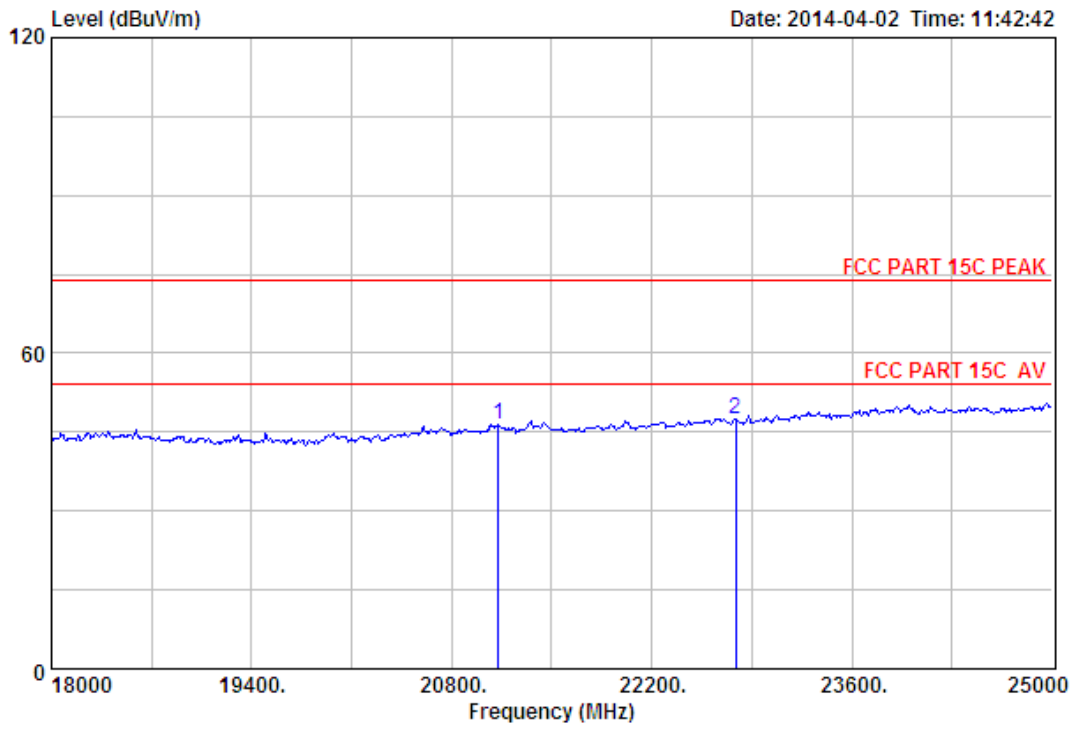
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 100  
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2441MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark	
					Level (dBuV/m)	Limits (dBuV/m)			
1	21353.00	46.09	20.28	35.49	18.07	48.95	74.00	25.05	Peak
2	23299.00	45.66	21.42	33.53	17.24	50.79	74.00	23.21	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.

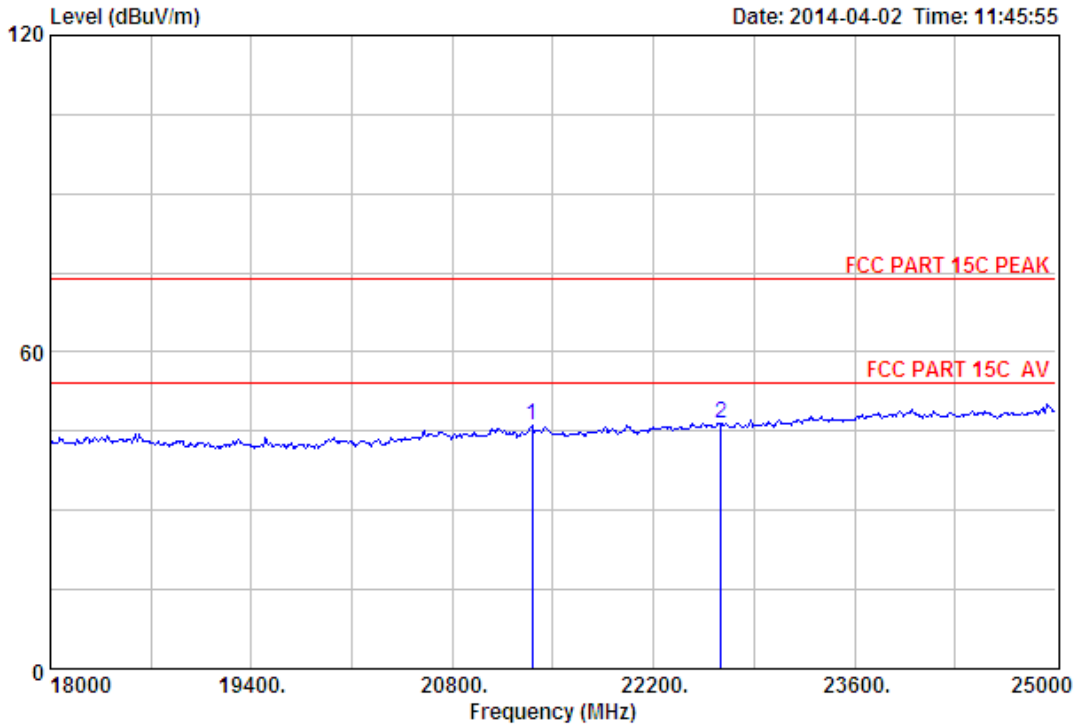


Site no. : 3m Chamber Data no. : 101  
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	21129.00	46.22	20.19	35.69	15.79	46.51	74.00	27.49	Peak
2	22788.00	45.68	21.02	34.06	14.94	47.58	74.00	26.42	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.

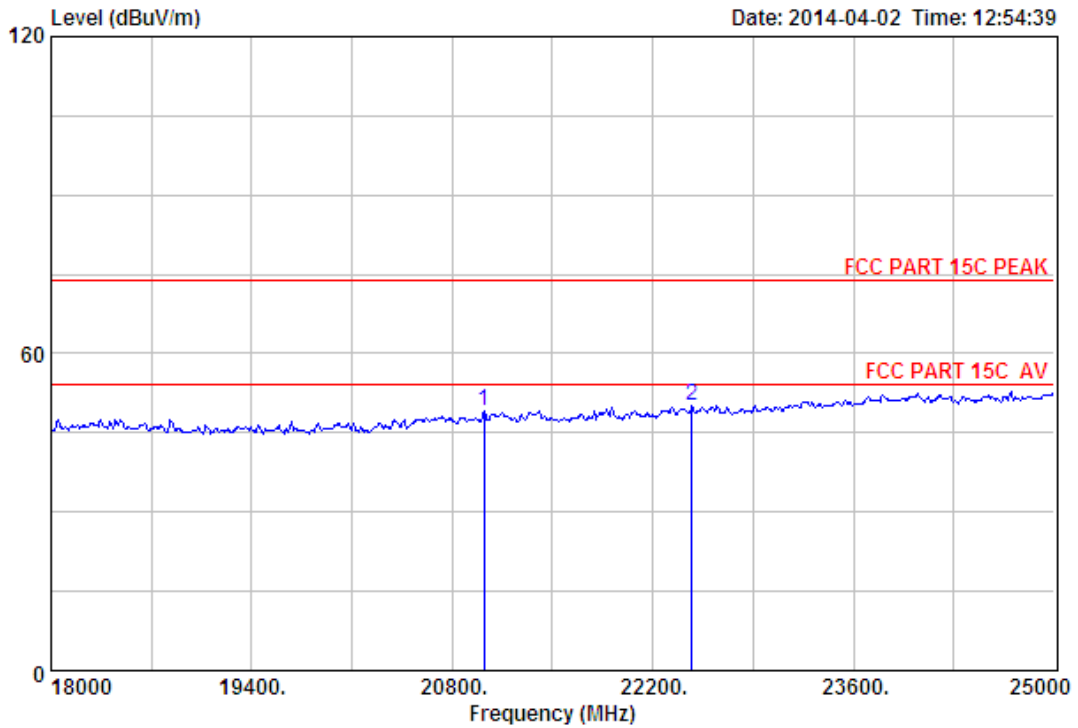




Site no. : 3m Chamber Data no. : 102  
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21353.00	46.09	20.28	35.49	15.31	46.19	74.00	27.81	Peak
2	22669.00	45.74	20.96	34.19	14.07	46.58	74.00	27.42	Peak

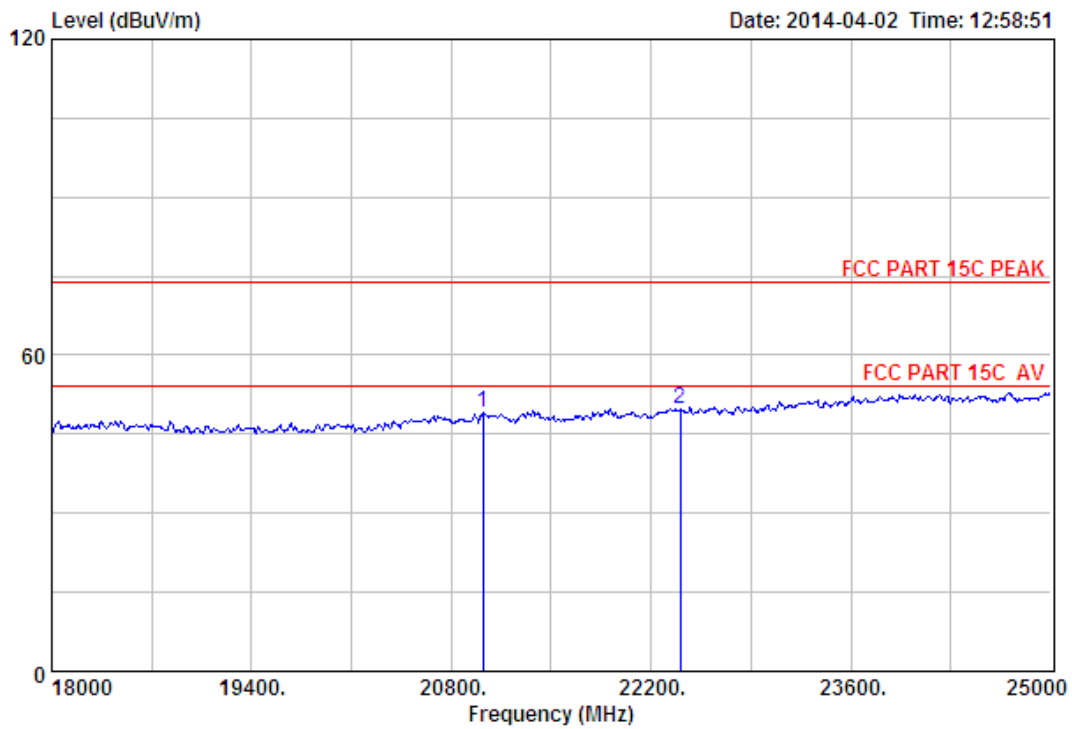
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 113  
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

	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	21024.00	46.29	20.14	35.78	18.39	49.04	74.00	24.96	Peak
2	22473.00	45.79	20.84	34.40	17.89	50.12	74.00	23.88	Peak

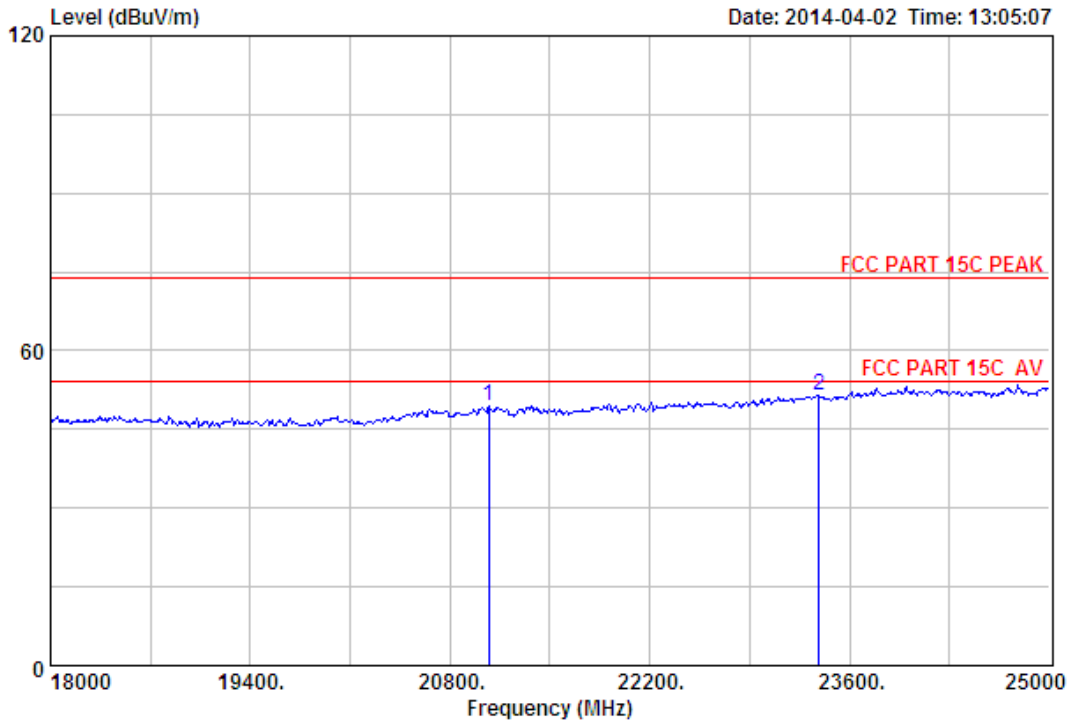
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 114  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz

	Ant.		Cable		Amp		Emission			
Freq.	Factor	Loss	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	21024.00	46.29	20.14	35.78	18.39	49.04	74.00	24.96	Peak	
2	22403.00	45.78	20.80	34.48	17.63	49.73	74.00	24.27	Peak	

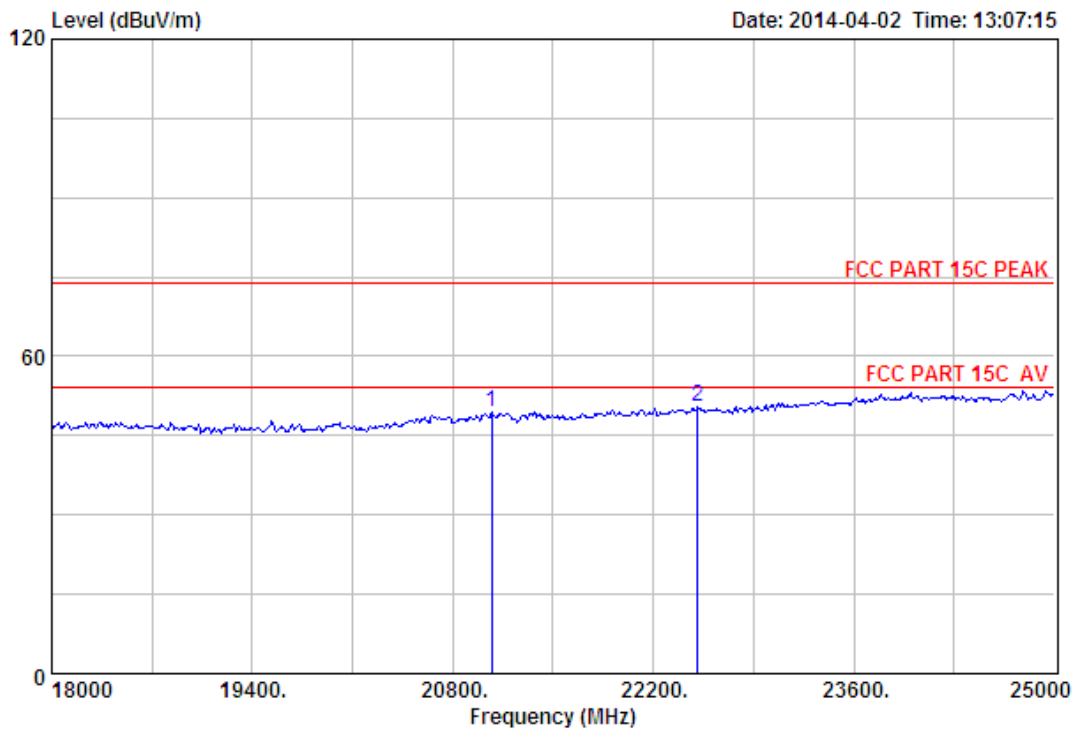
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 115  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	21073.00	46.25	20.16	35.73	18.78	49.46	74.00	24.54	Peak
2	23383.00	45.68	21.49	33.46	17.71	51.42	74.00	22.58	Peak

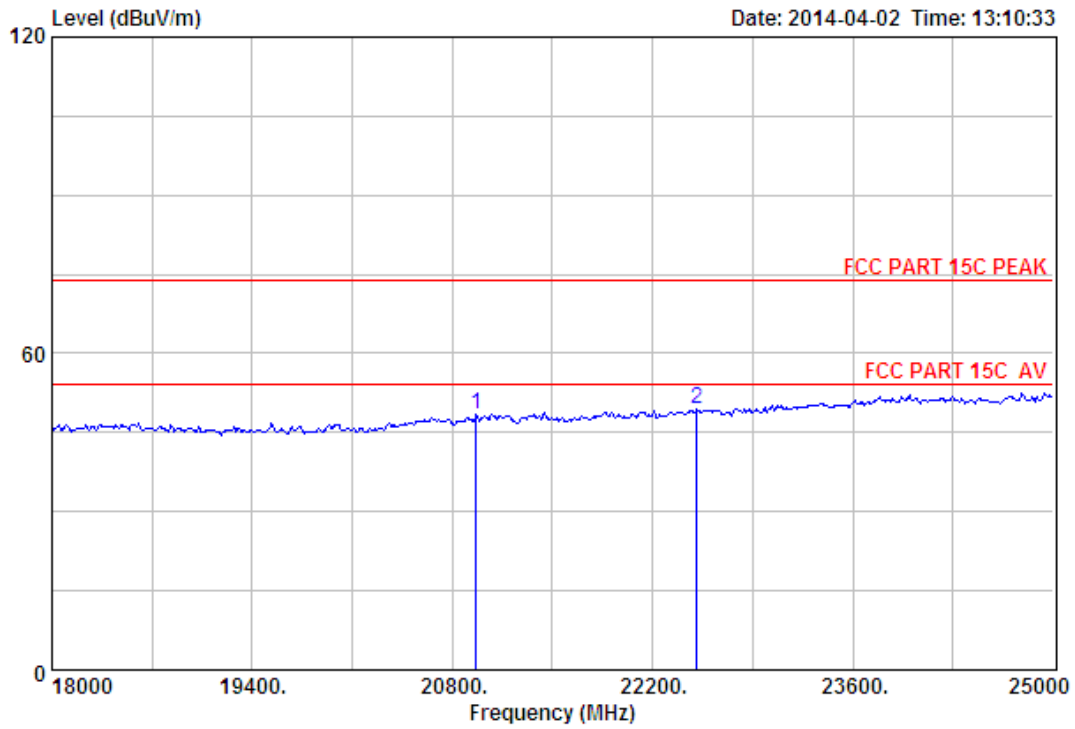
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 116  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2441MHz

	Ant.	Cable	Amp	Emission		Limits	Margin	Remark	
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	(dBuV/m)	(dB)		
1	21073.00	46.25	20.16	35.73	18.78	49.46	74.00	24.54	Peak
2	22508.00	45.80	20.86	34.38	18.15	50.43	74.00	23.57	Peak

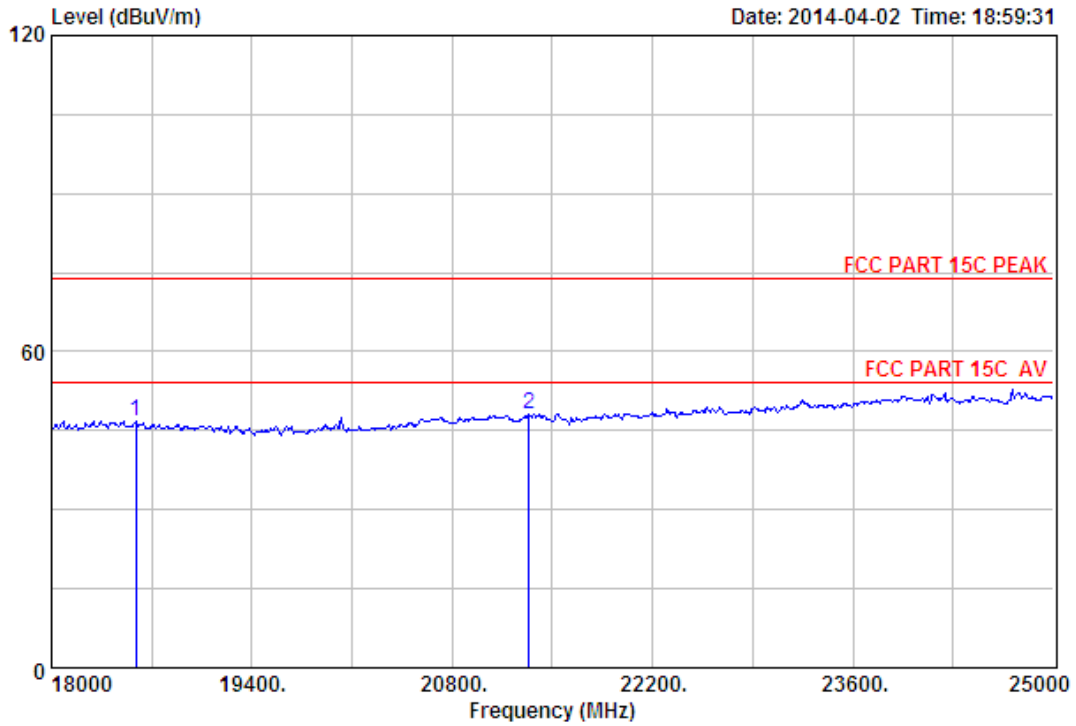
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 117  
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

	Ant.	Cable	Amp	Emission		Limits	Margin	Remark	
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	(dBUV/m)	(dB)		
1	20968.00	46.29	20.12	35.82	17.95	48.54	74.00	25.46	Peak
2	22508.00	45.80	20.86	34.38	17.15	49.43	74.00	24.57	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. : 126  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz

	Freq.	Ant.	Cable	Amp	Emission		Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	Reading	Level	(dBuV/m)	(dB)	
					(dBuV)	(dBuV/m)			
1	18588.00	44.99	18.03	35.51	19.20	46.71	74.00	27.29	Peak
2	21339.00	46.09	20.28	35.49	17.36	48.24	74.00	25.76	Peak

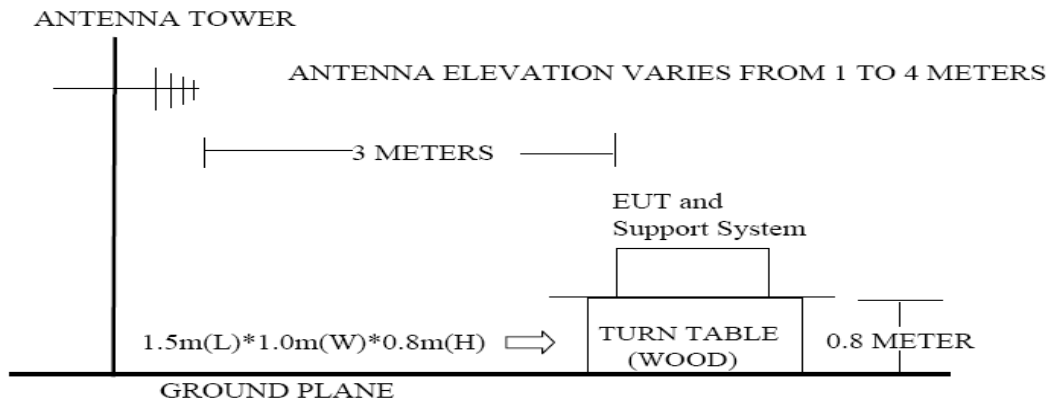
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

## 4. BAND EDGE COMPLIANCE

### 4.1. 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.

### 4.2. Block Diagram of Test setup



### 4.3. Test Procedure

EUT was 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. Both horizontal and vertical polarization of the antenna are set on test.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

- (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

### 4.4. Test Result

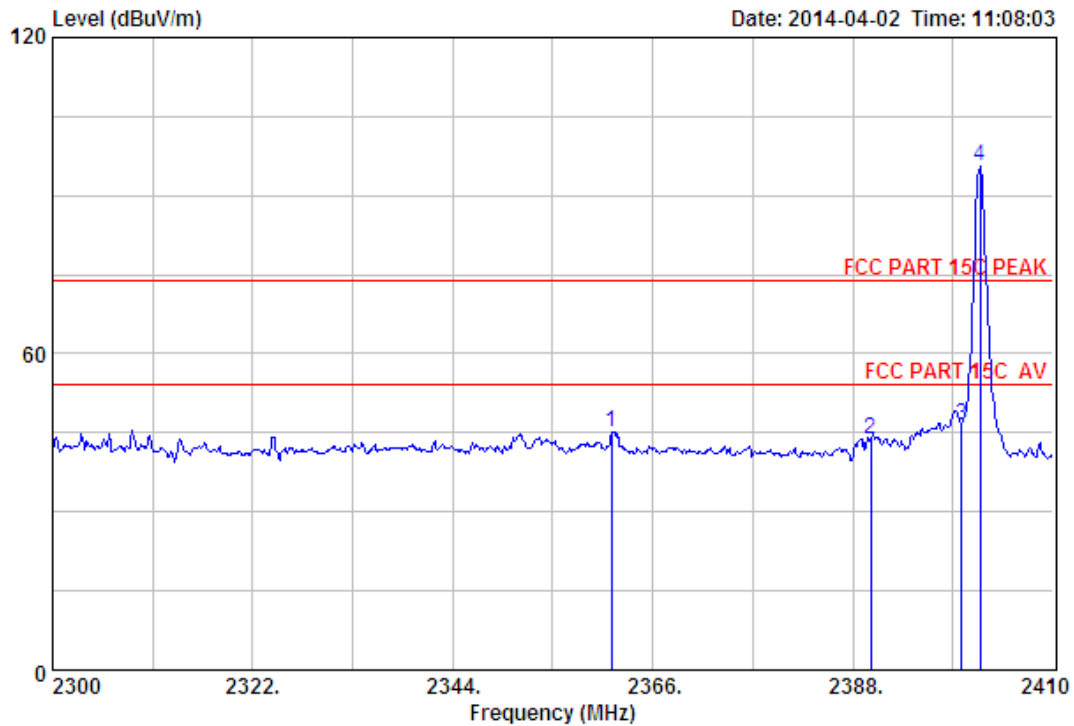
EUT: Bluetooth Receiver
M/N: BT30
Power: DC 5V
Test date: 2014-04-02 Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode (Hopping On & No Hopping)
Pass

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

- 2、 The frequency 2402MHz 、 2441MHz and 2480MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.



### 4.5. Test Data

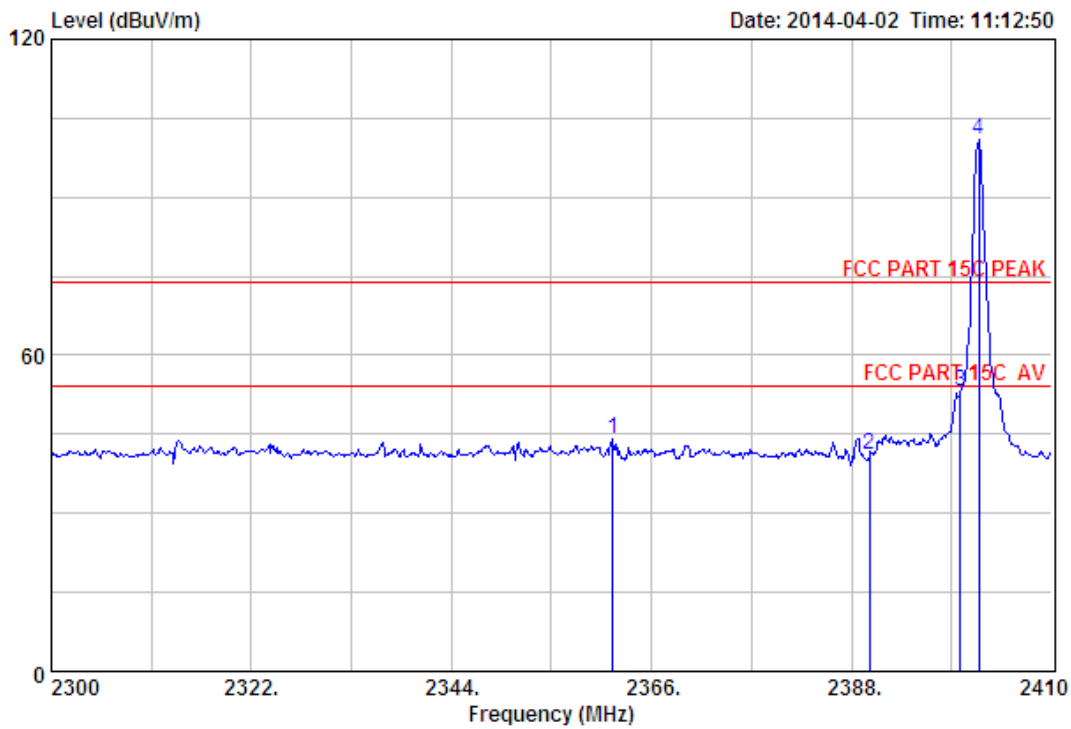


```

Site no.      : 3m Chamber                Data no. : 89
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          : Bluetooth Receiver
Power        : DC 5V
M/N          : BT30
Test Mode    : GFSK TX 2402MHz(No Hopping)
    
```

	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	2361.49	27.67	6.58	34.20	45.20	45.25	74.00	28.75	Peak
2	2390.00	27.64	6.62	34.19	43.74	43.81	74.00	30.19	Peak
3	2400.00	27.61	6.62	34.18	46.50	46.55	74.00	27.45	Peak
4	2401.97	27.61	6.62	34.18	95.57	95.62	74.00	-21.62	Peak

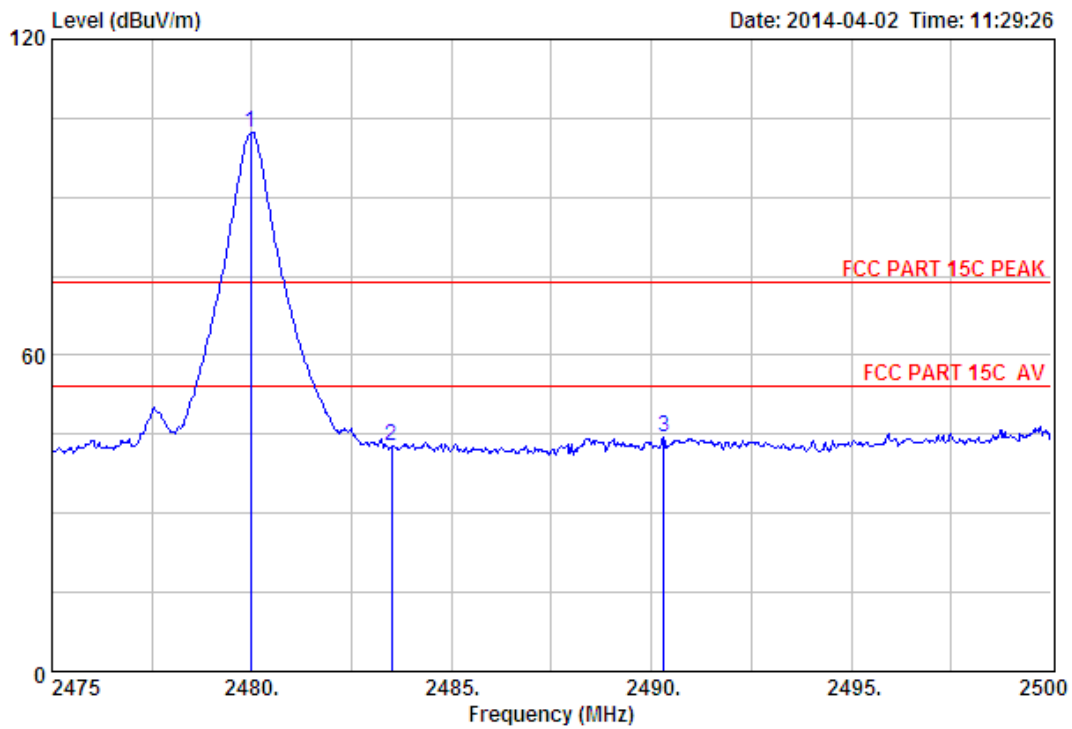
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 90  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz (No Hopping)

	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	2361.71	27.67	6.58	34.20	44.14	44.19	74.00	29.81	Peak
2	2390.00	27.64	6.62	34.19	40.88	40.95	74.00	33.05	Peak
3	2400.00	27.61	6.62	34.18	52.93	52.98	74.00	21.02	Peak
4	2401.97	27.61	6.62	34.18	100.78	100.83	74.00	-26.83	Peak

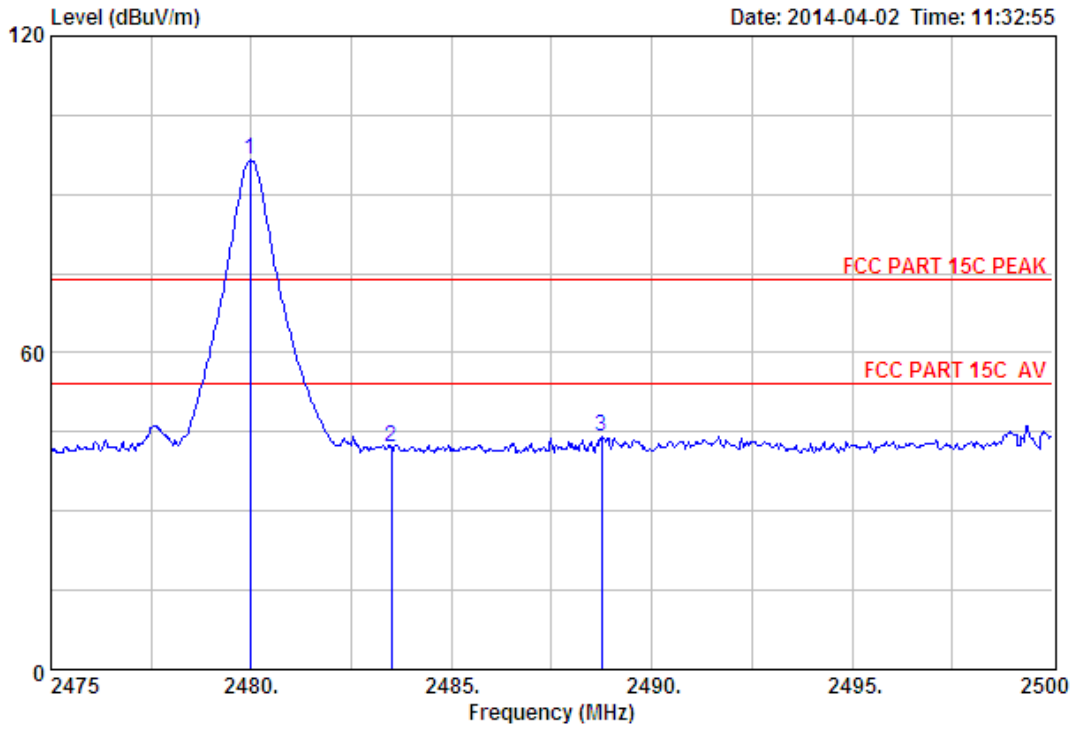
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 95  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK IX 2480MHz(No Hopping)

	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	2479.98	27.58	6.71	34.03	102.00	102.26	74.00	-28.26	Peak
2	2483.50	27.58	6.71	34.03	42.36	42.62	74.00	31.38	Peak
3	2490.30	27.58	6.73	34.03	44.07	44.35	74.00	29.65	Peak

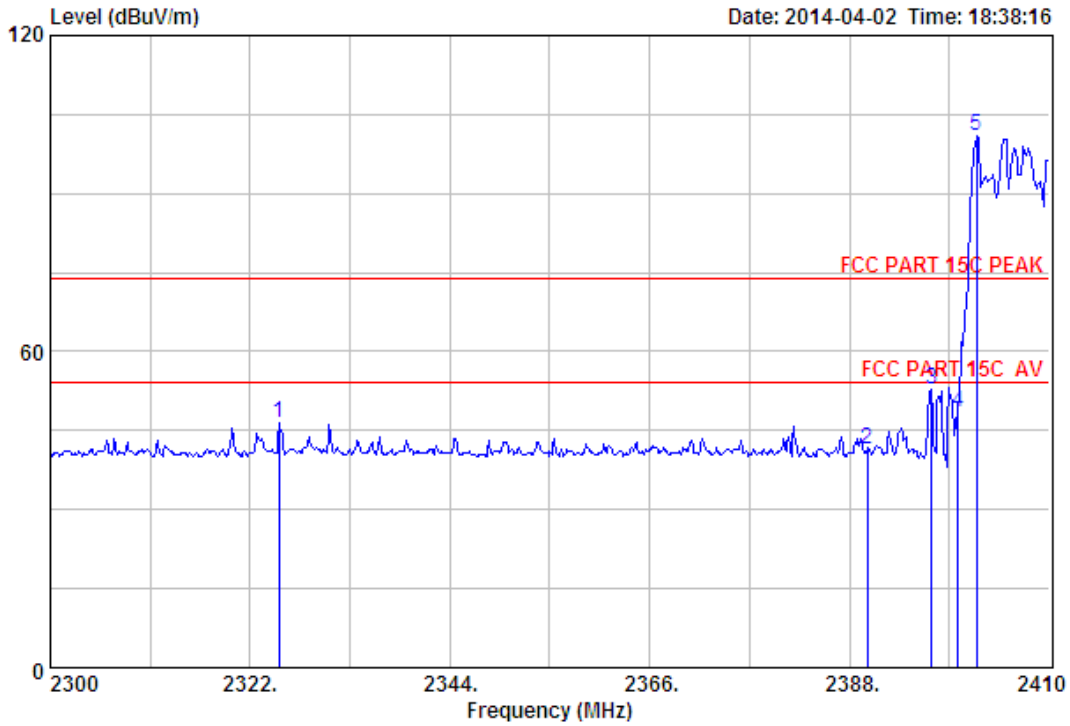
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 96  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz(No Hopping)

	Freq.	Ant.	Cable	Amp	Emission		Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	Reading	Level	(dBuV/m)	(dB)	
					(dBuV)	(dBuV/m)			
1	2479.98	27.58	6.71	34.03	96.17	96.43	74.00	-22.43	Peak
2	2483.50	27.58	6.71	34.03	41.79	42.05	74.00	31.95	Peak
3	2488.75	27.58	6.73	34.03	43.96	44.24	74.00	29.76	Peak

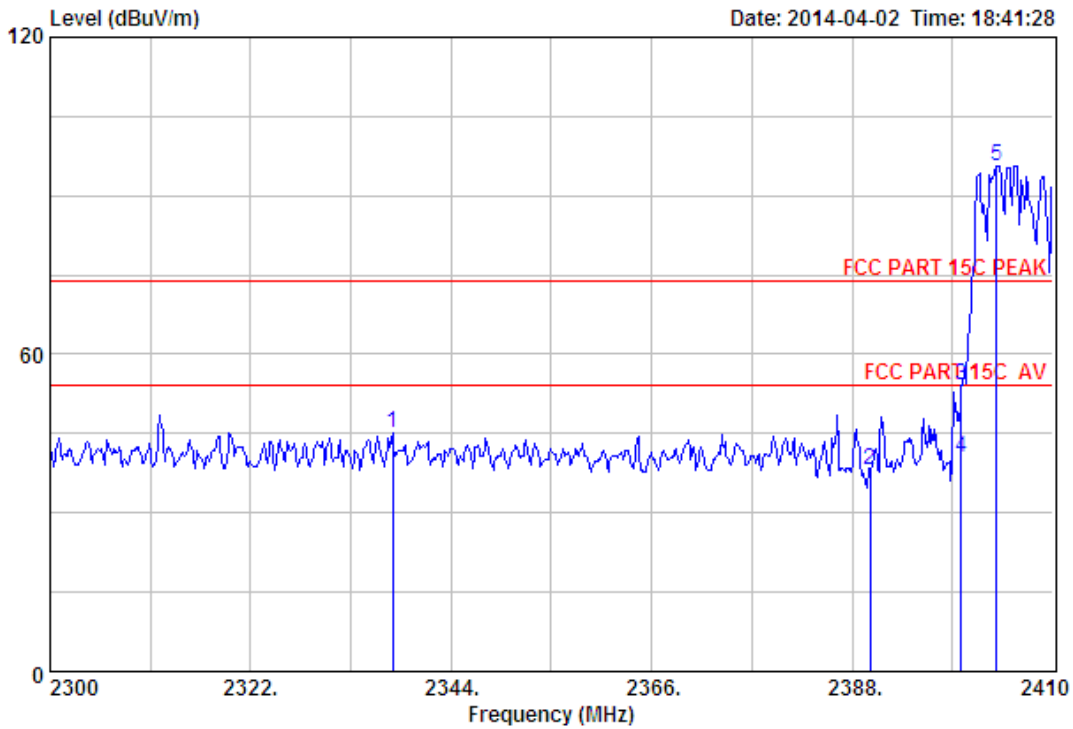
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 118  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz(Hopping On)

	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	2325.19	27.73	6.54	34.23	46.30	46.34	74.00	27.66	Peak
2	2390.00	27.64	6.62	34.19	41.27	41.34	74.00	32.66	Peak
3	2397.02	27.61	6.62	34.18	52.79	52.84	74.00	21.16	Peak
4	2400.00	27.61	6.62	34.18	48.42	48.47	74.00	25.53	Peak
5	2401.97	27.61	6.62	34.18	100.78	100.83	74.00	-26.83	Peak

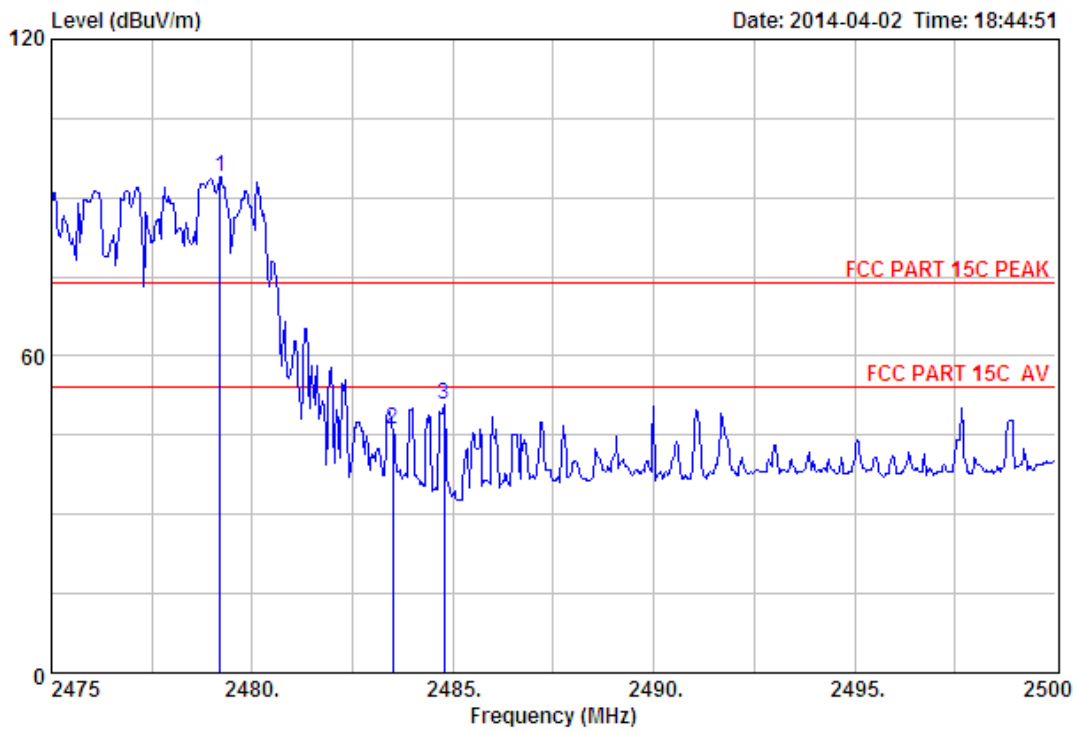
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 119  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2402MHz (Hopping On)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2337.62	27.73	6.56	34.23	44.92	44.98	74.00	29.02	Peak
2	2390.00	27.64	6.62	34.19	38.01	38.08	74.00	35.92	Peak
3	2400.00	27.61	6.62	34.18	54.17	54.22	74.00	19.78	Peak
4	2400.00	27.61	6.62	34.18	40.28	40.33	54.00	13.67	Average
5	2403.84	27.61	6.64	34.18	95.56	95.63	74.00	-21.63	Peak

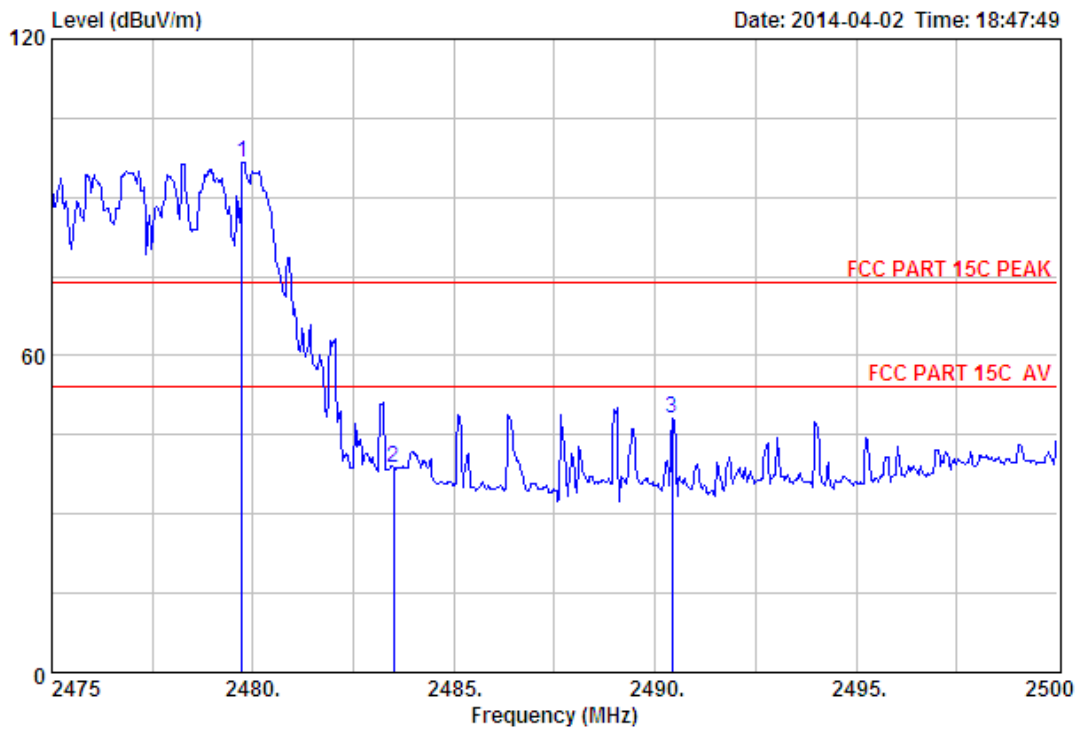
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 120  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz (Hopping On)

	Freq.	Ant.	Cable	Amp	Emission		Margin	Remark	
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits		
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2479.20	27.58	6.71	34.03	93.60	93.86	74.00	-19.86	Peak
2	2483.50	27.58	6.71	34.03	45.92	46.18	74.00	27.82	Peak
3	2484.78	27.58	6.71	34.03	50.39	50.65	74.00	23.35	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.



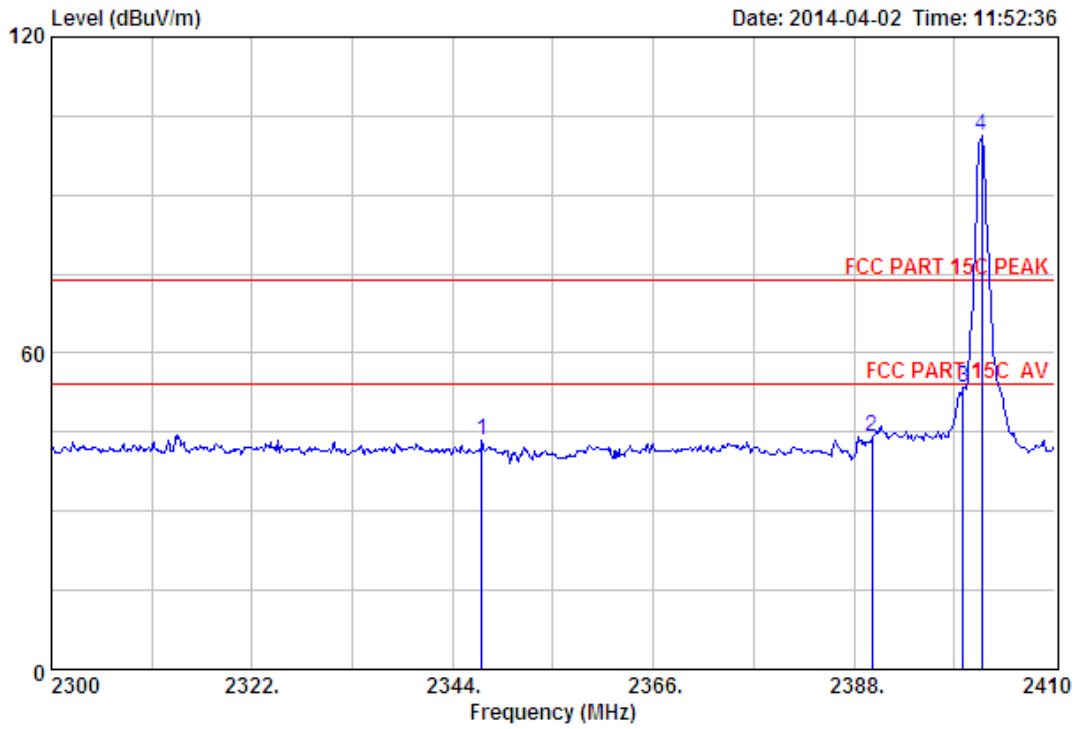
Date: 2014-04-02 Time: 18:47:49

Site no. : 3m Chamber Data no. : 121  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : GFSK TX 2480MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	2479.73	27.58	6.71	34.03	96.40	96.66	74.00	-22.66	Peak
2	2483.50	27.58	6.71	34.03	38.59	38.85	74.00	35.15	Peak
3	2490.43	27.58	6.73	34.03	48.01	48.29	74.00	25.71	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.

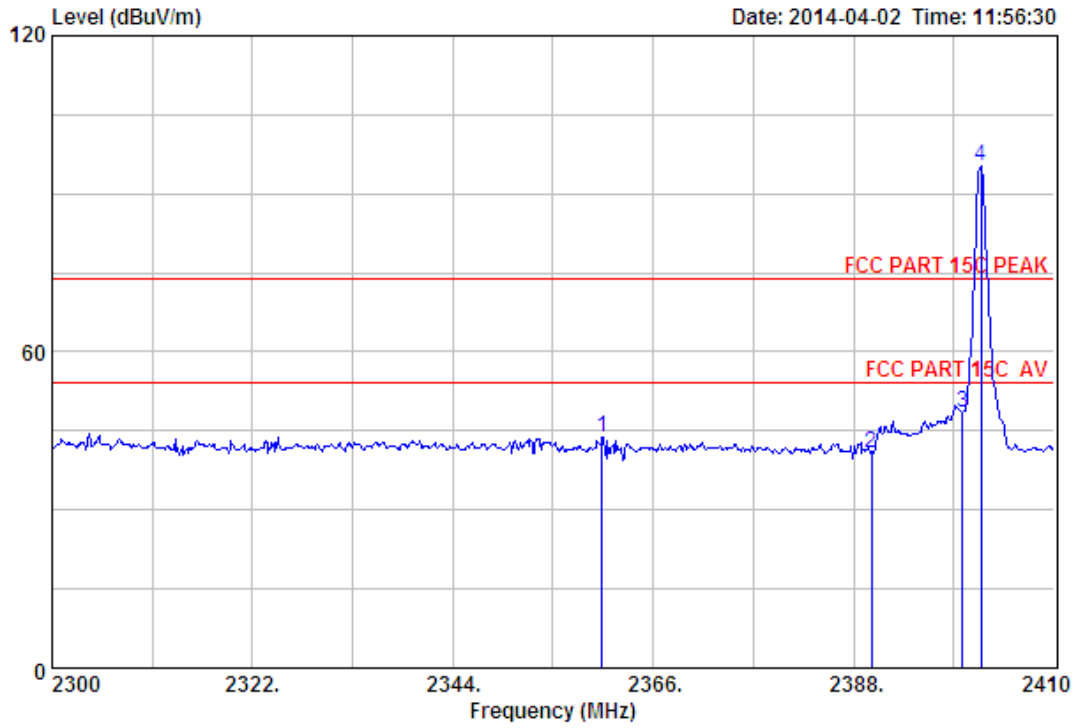




Site no. : 3m Chamber Data no. : 105  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz(No Hopping)

	Freq.	Ant.	Cable	Amp	Emission		Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	Reading	Level	(dBuV/m)	(dB)	
					(dBuV)	(dBuV/m)			
1	2347.19	27.70	6.56	34.22	43.53	43.57	74.00	30.43	Peak
2	2390.00	27.64	6.62	34.19	44.19	44.26	74.00	29.74	Peak
3	2400.00	27.61	6.62	34.18	53.32	53.37	74.00	20.63	Peak
4	2401.97	27.61	6.62	34.18	101.20	101.25	74.00	-27.25	Peak

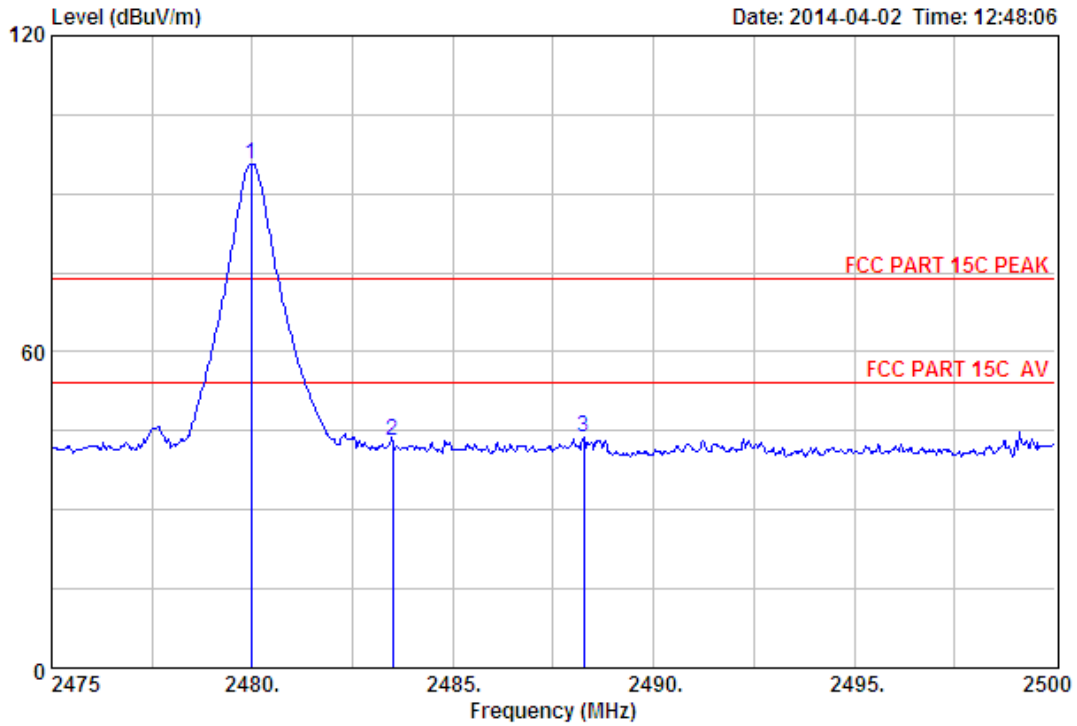
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz(No Hopping)

	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	2360.39	27.67	6.58	34.20	43.84	43.89	74.00	30.11	Peak
2	2390.00	27.64	6.62	34.19	40.83	40.90	74.00	33.10	Peak
3	2400.00	27.61	6.62	34.18	48.47	48.52	74.00	25.48	Peak
4	2401.97	27.61	6.62	34.18	95.35	95.40	74.00	-21.40	Peak

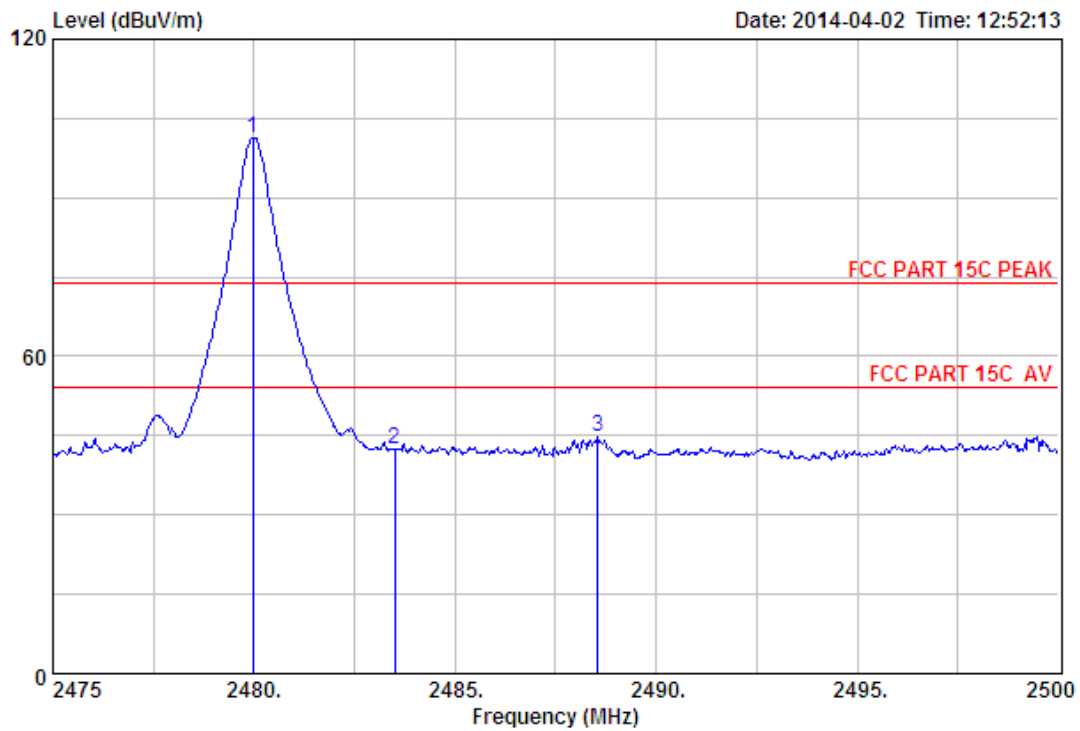
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 111  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz(No Hopping)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	2479.98	27.58	6.71	34.03	95.39	95.65	74.00	-21.65	Peak
2	2483.50	27.58	6.71	34.03	42.84	43.10	74.00	30.90	Peak
3	2488.25	27.58	6.73	34.03	43.63	43.91	74.00	30.09	Peak

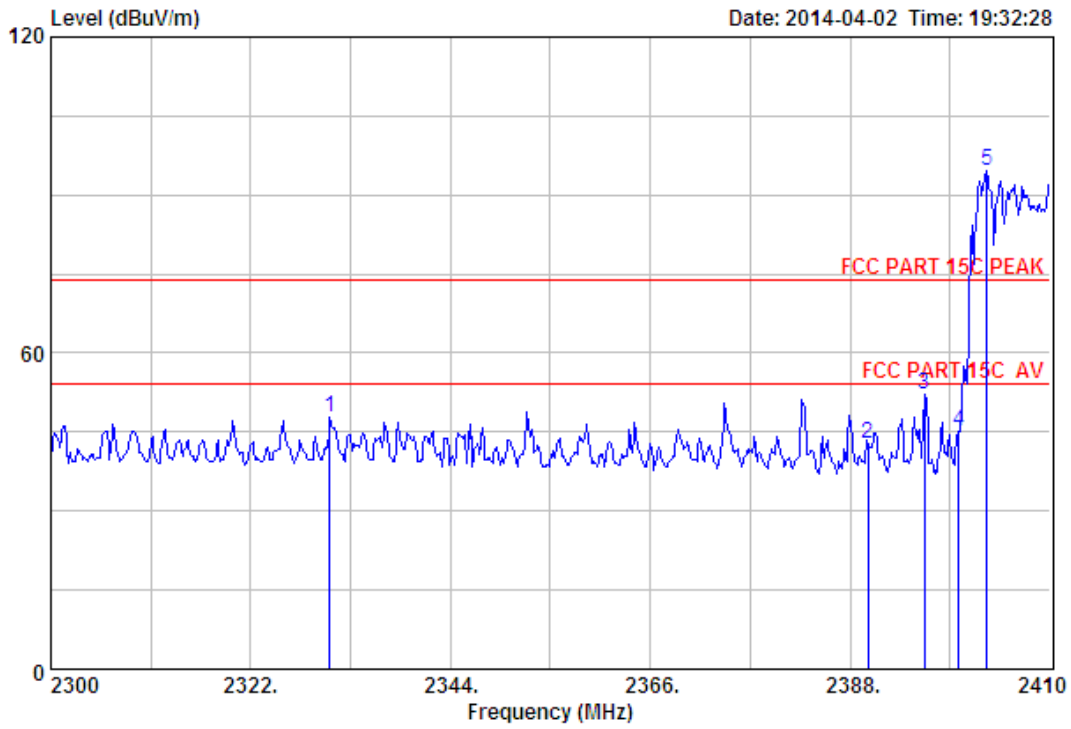
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 112  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)

	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	2479.98	27.58	6.71	34.03	101.12	101.38	74.00	-27.38	Peak
2	2483.50	27.58	6.71	34.03	42.19	42.45	74.00	31.55	Peak
3	2488.55	27.58	6.73	34.03	44.35	44.63	74.00	29.37	Peak

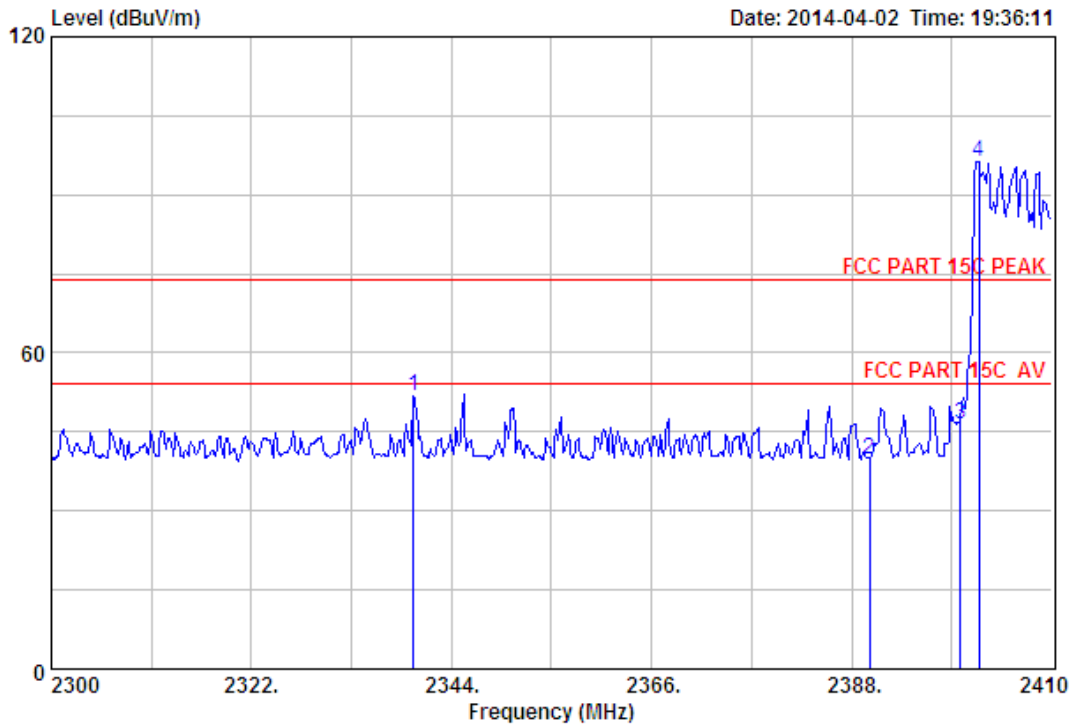
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 122  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2330.69	27.73	6.54	34.23	47.64	47.68	74.00	26.32	Peak
2	2390.00	27.64	6.62	34.19	42.84	42.91	74.00	31.09	Peak
3	2396.14	27.61	6.62	34.18	51.99	52.04	74.00	21.96	Peak
4	2400.00	27.61	6.62	34.18	45.03	45.08	74.00	28.92	Peak
5	2403.07	27.61	6.64	34.18	94.58	94.65	74.00	-20.65	Peak

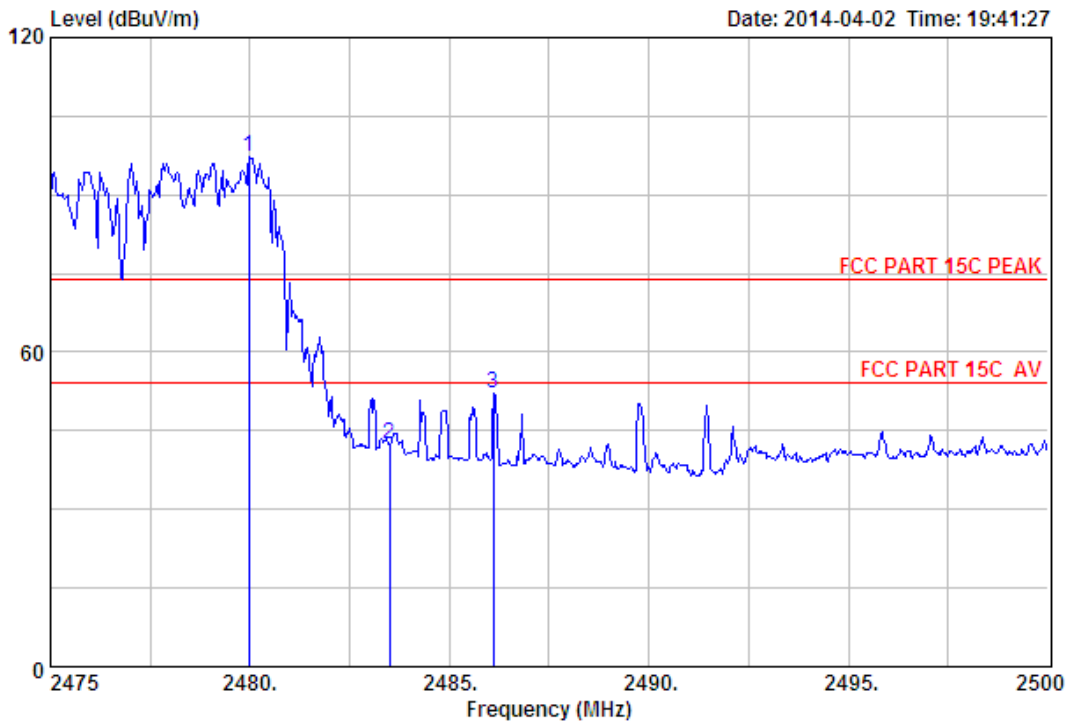
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 123  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)

	Ant.	Cable	Amp	Emission			Margin	Remark	
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	(dB)		
1	2339.82	27.70	6.56	34.22	51.82	51.86	74.00	22.14	Peak
2	2390.00	27.64	6.62	34.19	39.83	39.90	74.00	34.10	Peak
3	2400.00	27.61	6.62	34.18	46.35	46.40	74.00	27.60	Peak
4	2401.97	27.61	6.62	34.18	96.16	96.21	74.00	-22.21	Peak

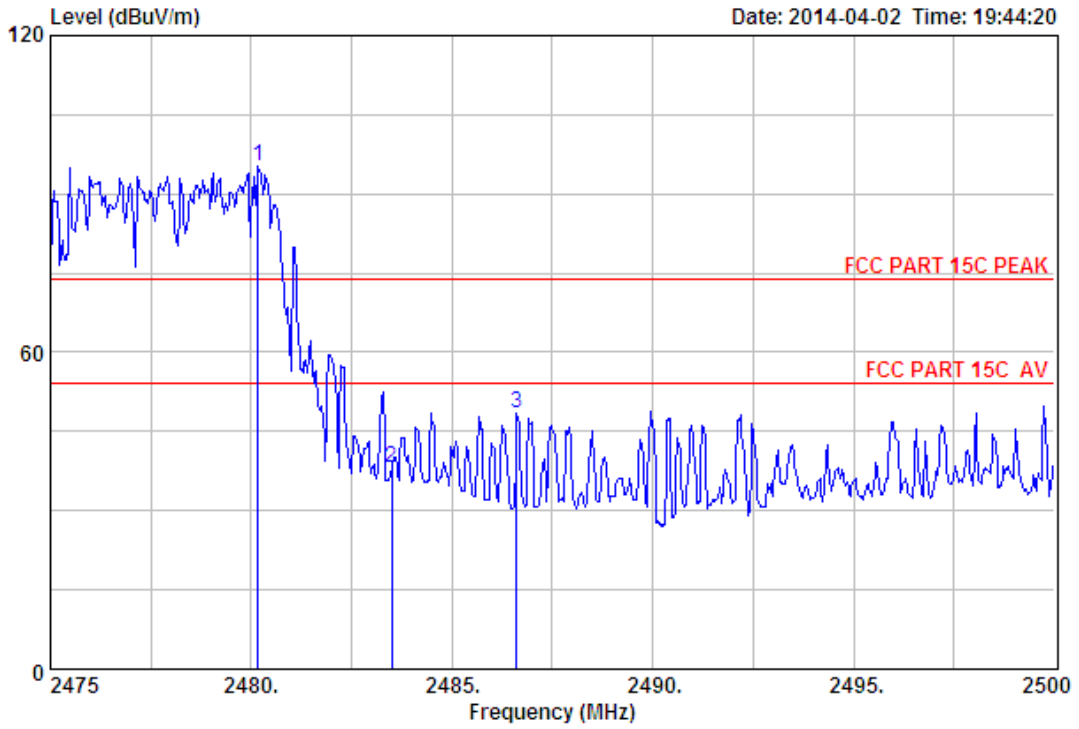
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 124  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBUV/m)	Margin (dB)	Remark	
				Reading (dBUV)	Level (dBUV/m)				
1	2479.98	27.58	6.71	34.03	97.11	97.37	74.00	-23.37	Peak
2	2483.50	27.58	6.71	34.03	42.25	42.51	74.00	31.49	Peak
3	2486.10	27.58	6.71	34.03	51.89	52.15	74.00	21.85	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. : 125  
 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 : Bluetooth Receiver  
 Power : DC 5V  
 M/N : BT30  
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

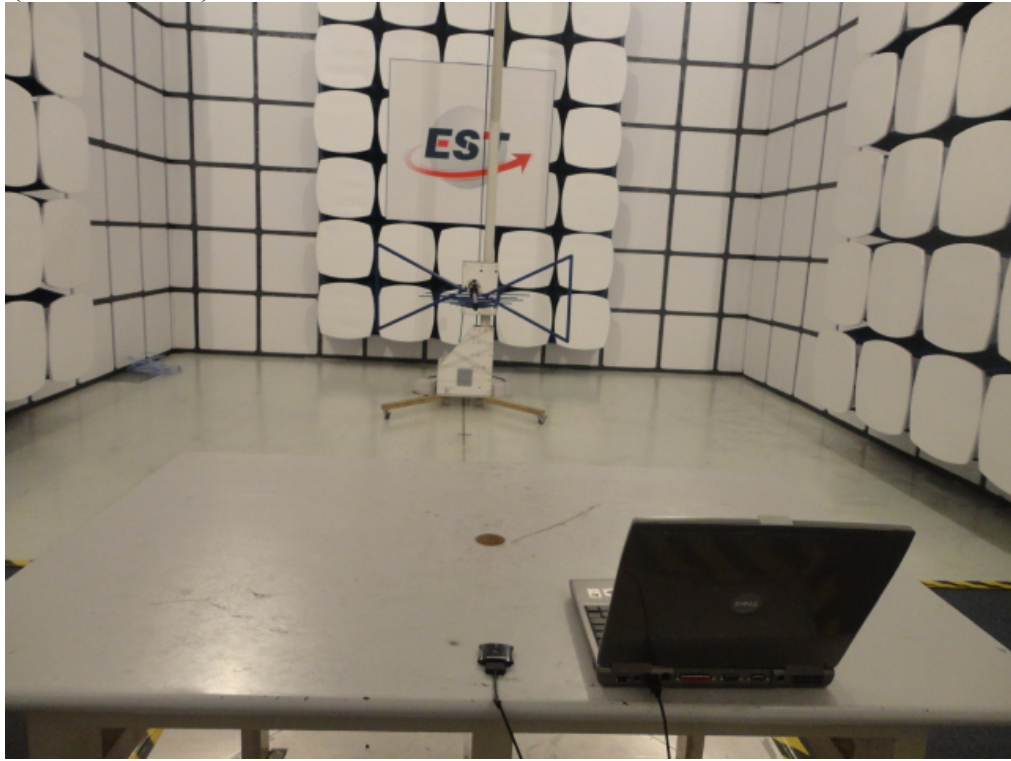
	Ant.	Cable	Amp	Emission		Limits	Margin	Remark	
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	(dBuV/m)	(dB)		
1	2480.18	27.58	6.71	34.03	95.06	95.32	74.00	-21.32	Peak
2	2483.50	27.58	6.71	34.03	37.83	38.09	74.00	35.91	Peak
3	2486.60	27.58	6.71	34.03	48.17	48.43	74.00	25.57	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.

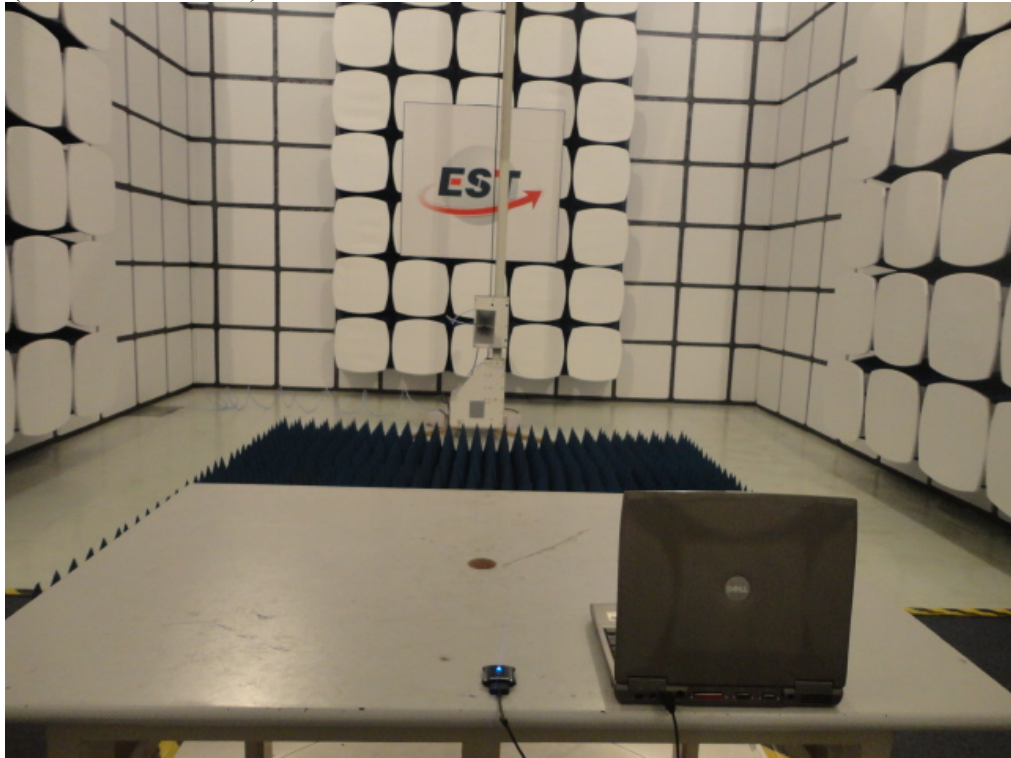


## 5. TEST SETUP PHOTO

Radiated Test (30-1000 MHz)



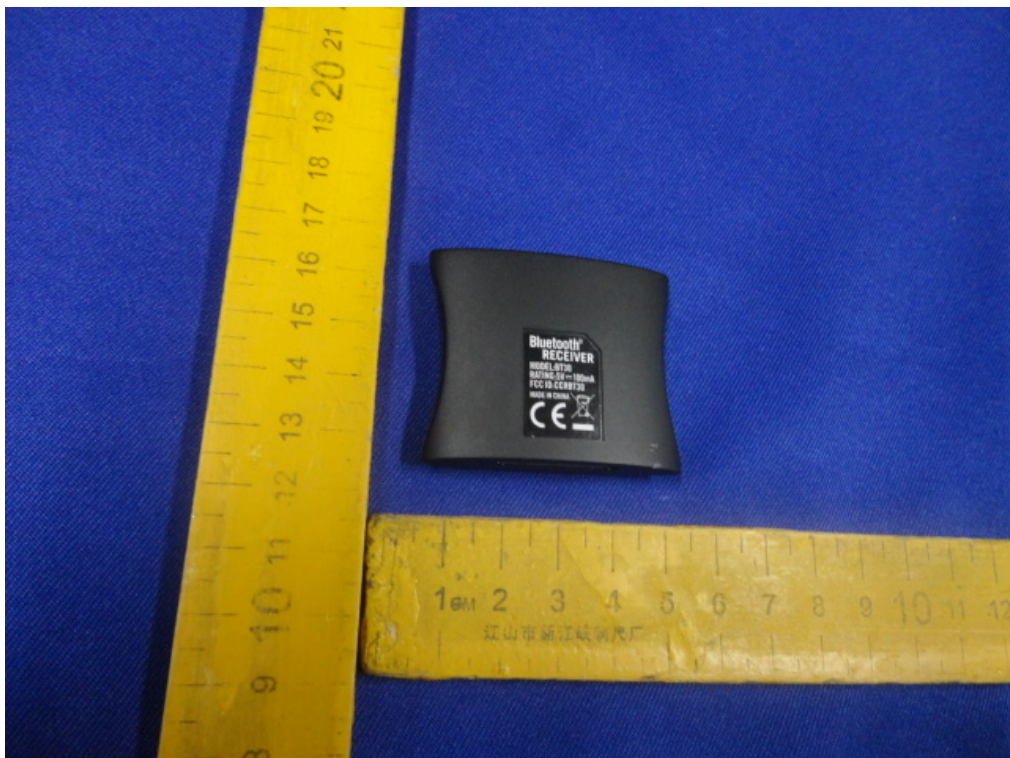
Radiated Test (1000-25000 MHz)



## 6. PHOTOS OF EUT

### External Photos

M/N: BT30





**External Photos**  
M/N: BT30

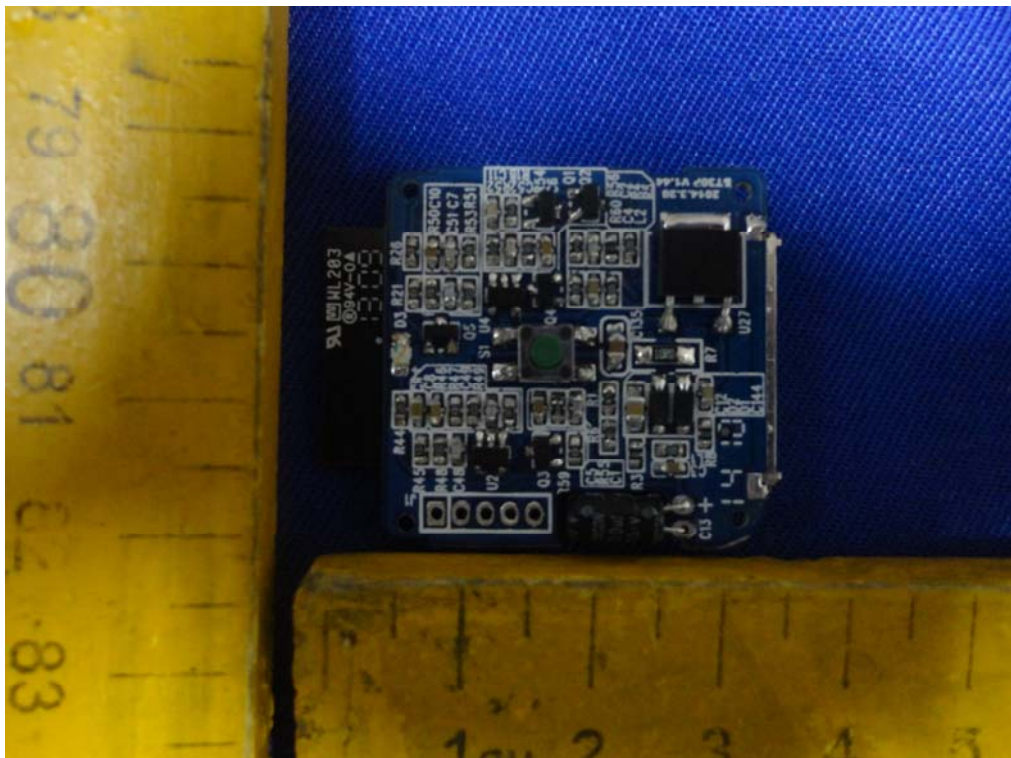
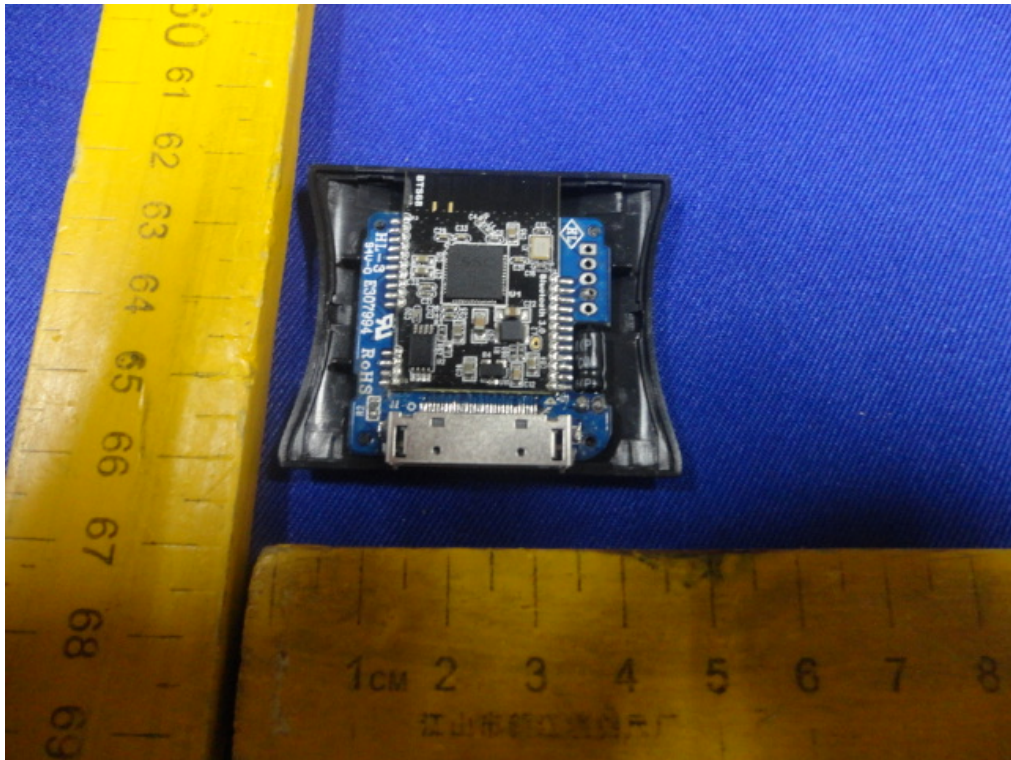


**External Photos**  
M/N: BT30





**Internal Photos**  
M/N: BT30



**Internal Photos**  
M/N: BT30

Bluetooth  
Antenna

