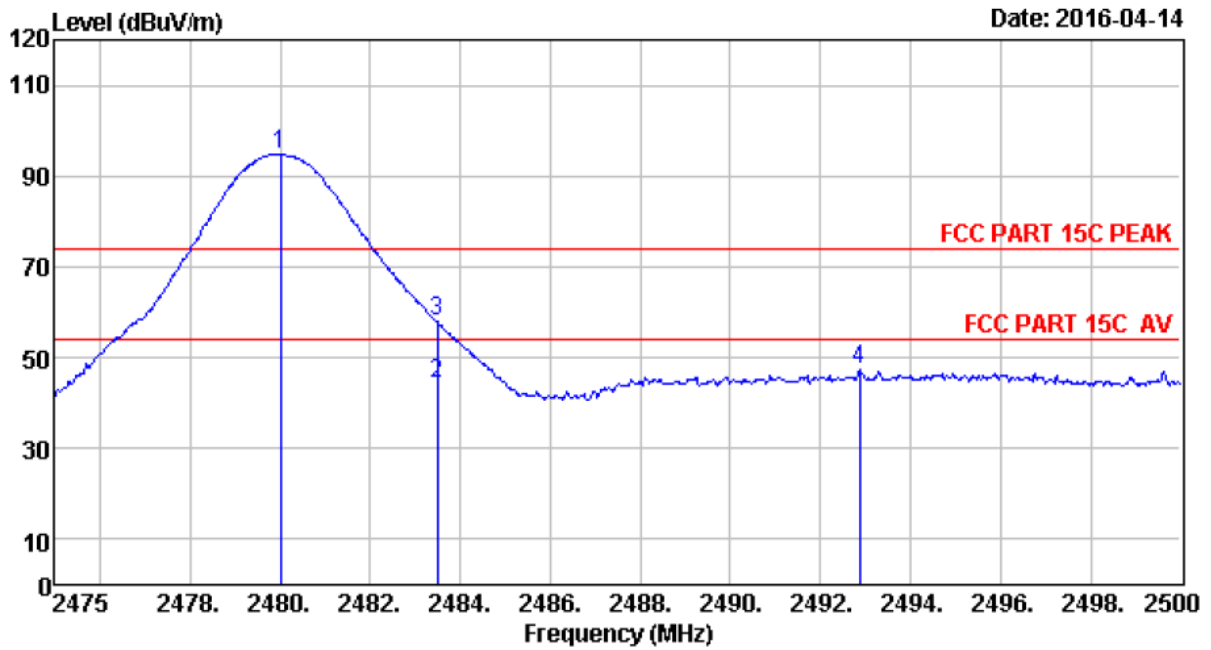


Site no. : 966 1# chamber Data no. : 148  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.68	27.64	6.60	42.63	42.28	74.00	31.72	Peak
2	2390.00	27.64	6.62	40.07	39.71	74.00	34.29	Peak
3	2400.00	27.61	6.62	47.80	47.39	54.00	6.61	Average
4	2400.00	27.61	6.62	67.51	67.10	74.00	6.90	Peak
5	2402.08	27.61	6.62	96.00	95.59	74.00	-21.59	Peak

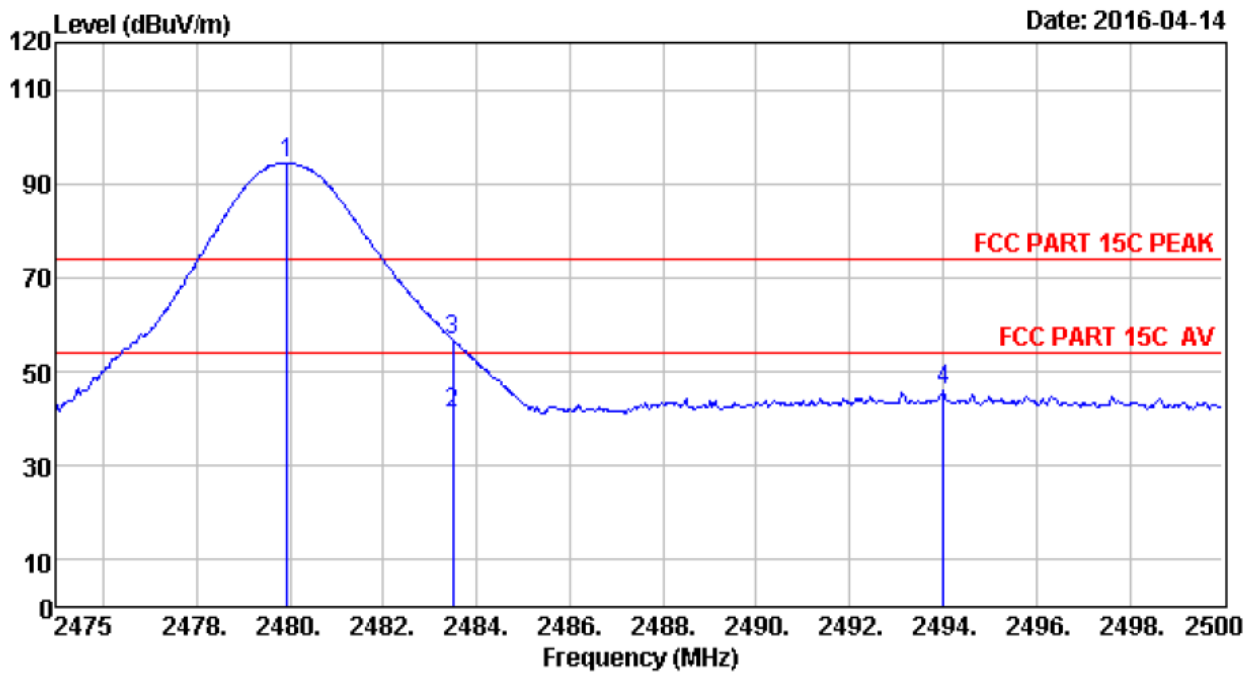
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 149  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	95.60	94.78	74.00	-20.78	Peak
2	2483.50	27.58	6.71	45.06	44.24	54.00	9.76	Average
3	2483.50	27.58	6.71	58.63	57.81	74.00	16.19	Peak
4	2492.88	27.58	6.73	48.23	47.30	74.00	26.70	Peak

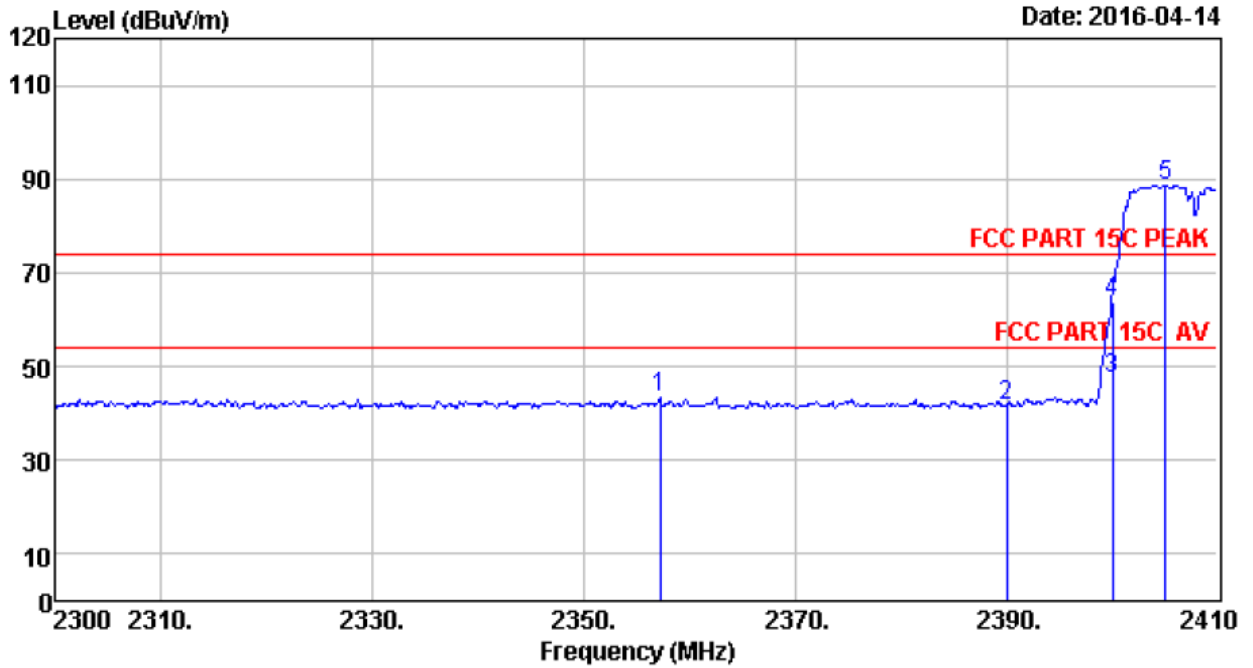
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 150  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.95	27.58	6.71	95.15	94.33	74.00	-20.33	Peak
2	2483.50	27.58	6.71	42.06	41.24	54.00	12.76	Average
3	2483.50	27.58	6.71	57.54	56.72	74.00	17.28	Peak
4	2494.00	27.58	6.73	46.83	45.90	74.00	28.10	Peak

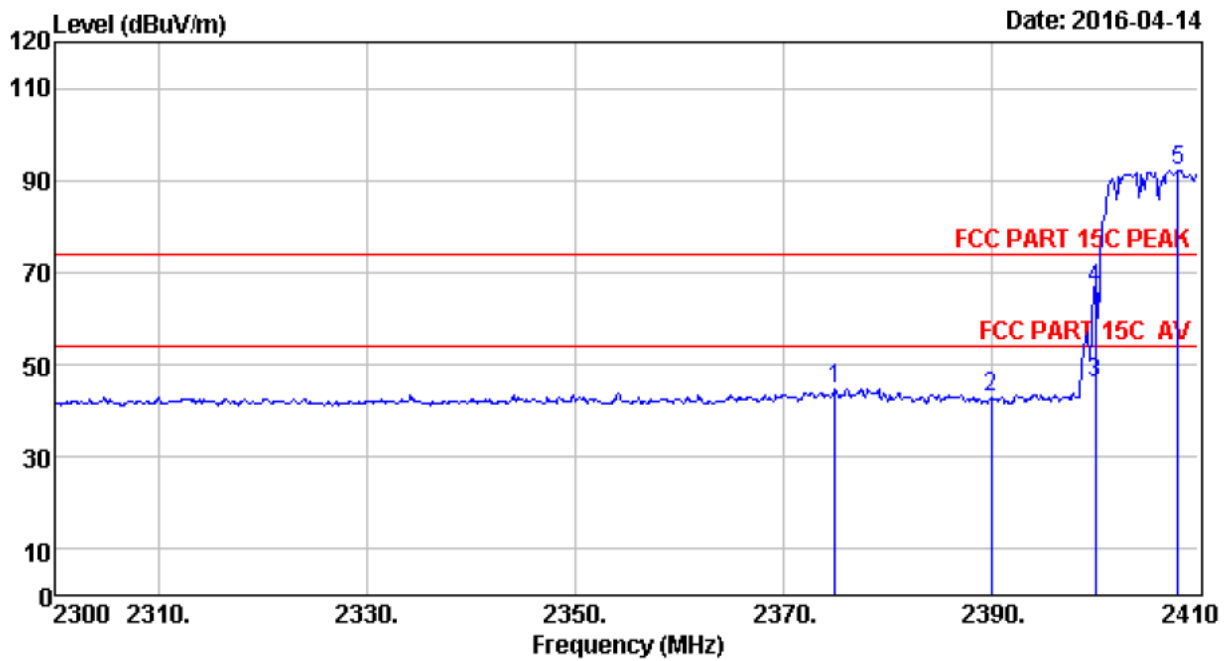
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 151  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : GFSK TX 2402MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2357.20	27.67	6.58	43.90	43.58	74.00	30.42	Peak
2	2390.00	27.64	6.62	42.01	41.65	74.00	32.35	Peak
3	2400.00	27.61	6.62	47.58	47.17	54.00	6.83	Average
4	2400.00	27.61	6.62	64.12	63.71	74.00	10.29	Peak
5	2405.05	27.61	6.64	88.99	88.60	74.00	-14.60	Peak

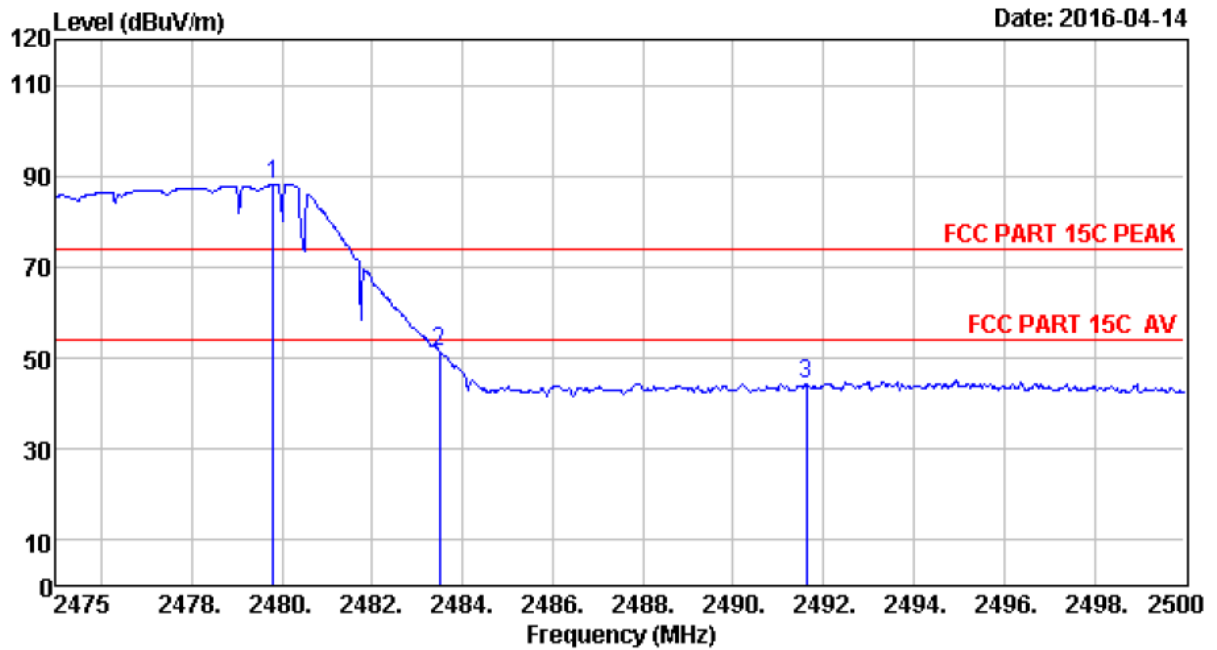
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 152  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : GFSK TX 2402MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.02	27.64	6.60	45.24	44.89	74.00	29.11	Peak
2	2390.00	27.64	6.62	43.19	42.83	74.00	31.17	Peak
3	2400.00	27.61	6.62	46.58	46.17	54.00	7.83	Average
4	2400.00	27.61	6.62	67.02	66.61	74.00	7.39	Peak
5	2408.02	27.61	6.64	92.36	91.97	74.00	-17.97	Peak

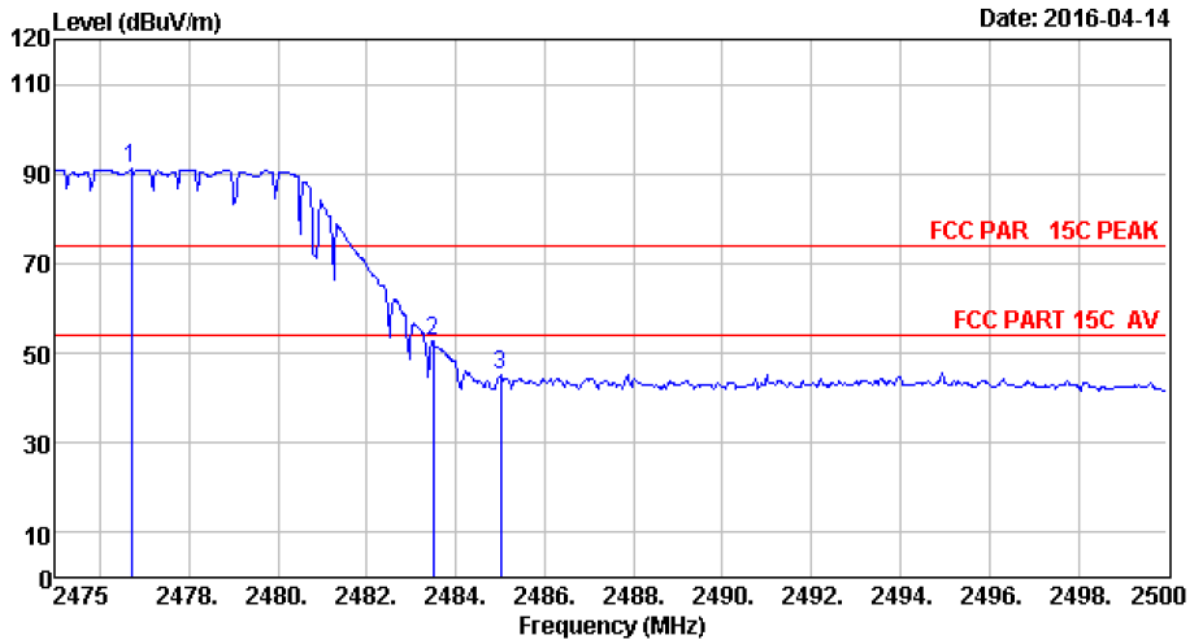
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 153  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : GFSK TX 2480MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.80	27.58	6.71	88.96	88.14	74.00	-14.14	Peak
2	2483.50	27.58	6.71	52.30	51.48	74.00	22.52	Peak
3	2491.63	27.58	6.73	45.39	44.46	74.00	29.54	Peak

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

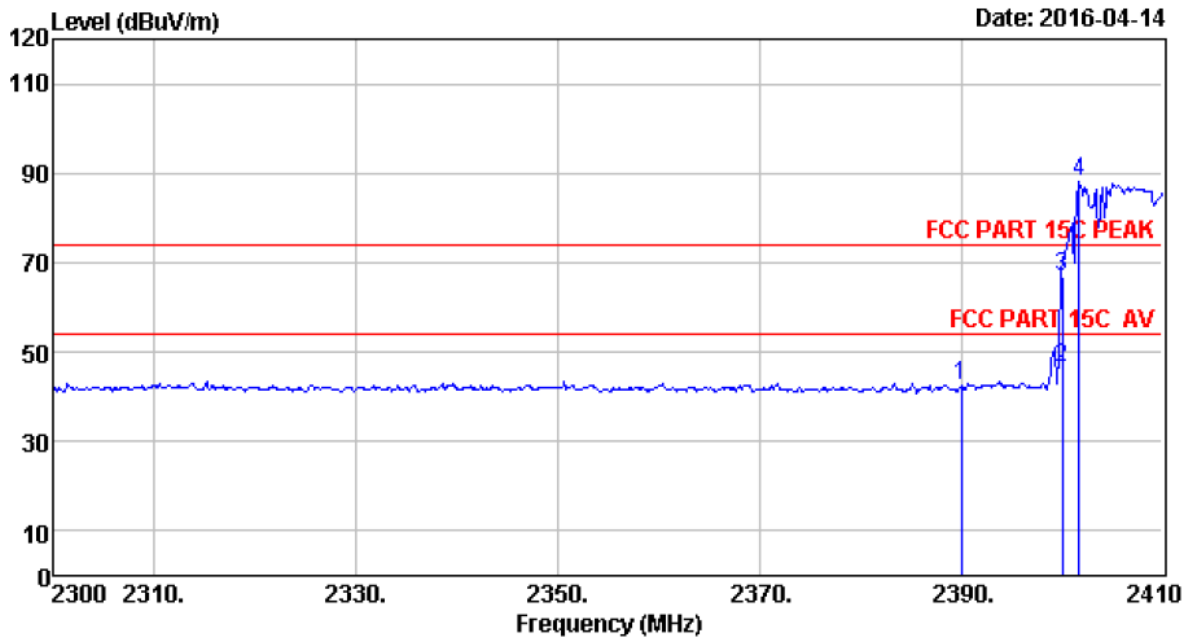


Site no. : 966 1# chamber Data no. : 154  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : GFSK TX 2480MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2476.70	27.58	6.71	91.83	91.01	74.00	-17.01	Peak
2	2483.50	27.58	6.71	53.30	52.48	74.00	21.52	Peak
3	2485.00	27.58	6.71	46.19	45.37	74.00	28.63	Peak

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

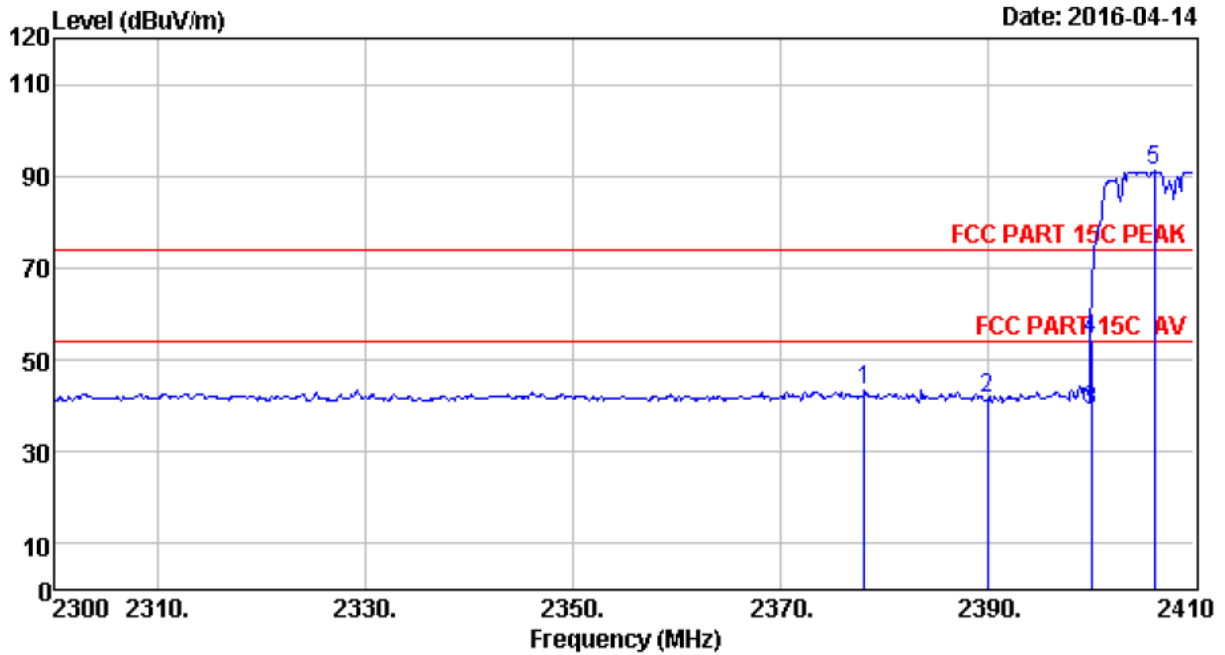




Site no. : 966 1# chamber Data no. : 155  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : (n/4)DQPSK TX 2402MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.64	6.62	42.75	42.39	74.00	31.61	Peak
2	2400.00	27.61	6.62	47.08	46.67	54.00	7.33	Average
3	2400.00	27.61	6.62	67.31	66.90	74.00	7.10	Peak
4	2401.75	27.61	6.62	88.56	88.15	74.00	-14.15	Peak

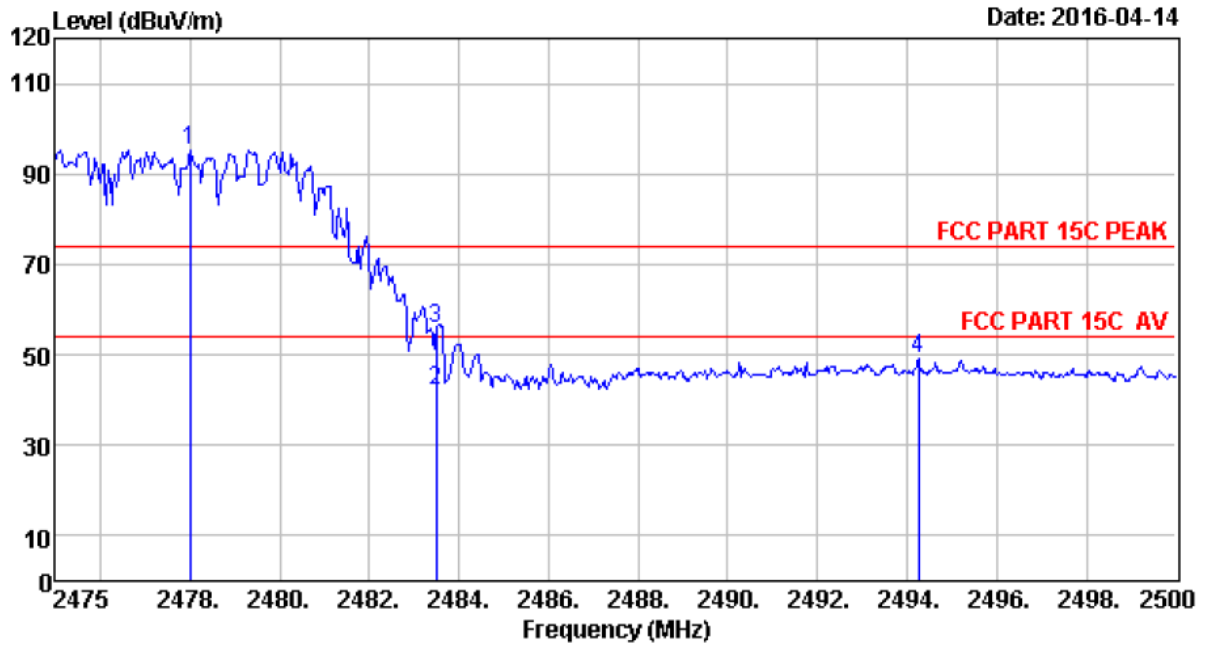
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 156  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : ( $\pi/4$ )DQPSK TX 2402MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.10	27.64	6.60	43.81	43.46	74.00	30.54	Peak
2	2390.00	27.64	6.62	41.87	41.51	74.00	32.49	Peak
3	2400.00	27.61	6.62	39.31	38.90	54.00	15.10	Average
4	2400.00	27.61	6.62	54.98	54.57	74.00	19.43	Peak
5	2406.15	27.61	6.64	91.42	91.03	74.00	-17.03	Peak

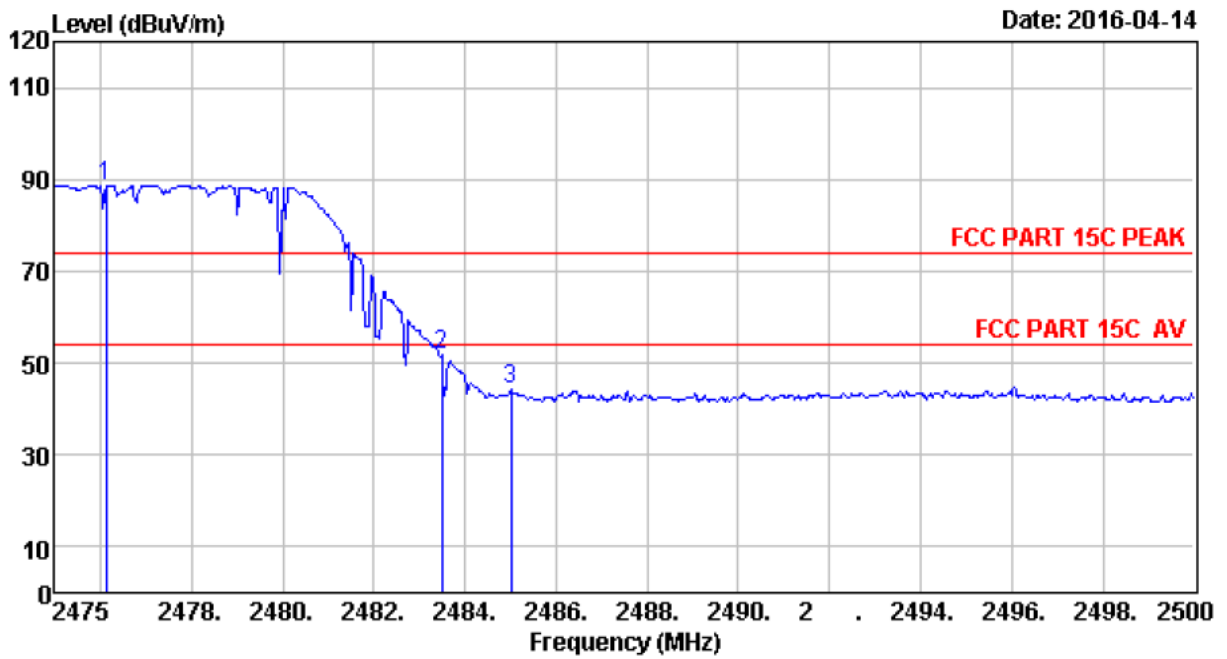
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 157  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : ( $\pi/4$ )DQPSK TX 2480MHz (Hopping No)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 2478.00	27.58	6.71	96.21	95.39	74.00	-21.39	Peak
2 2483.50	27.58	6.71	43.06	42.24	54.00	11.76	Average
3 2483.50	27.58	6.71	56.67	55.85	74.00	18.15	Peak
4 2494.25	27.57	6.73	50.11	49.17	74.00	24.83	Peak

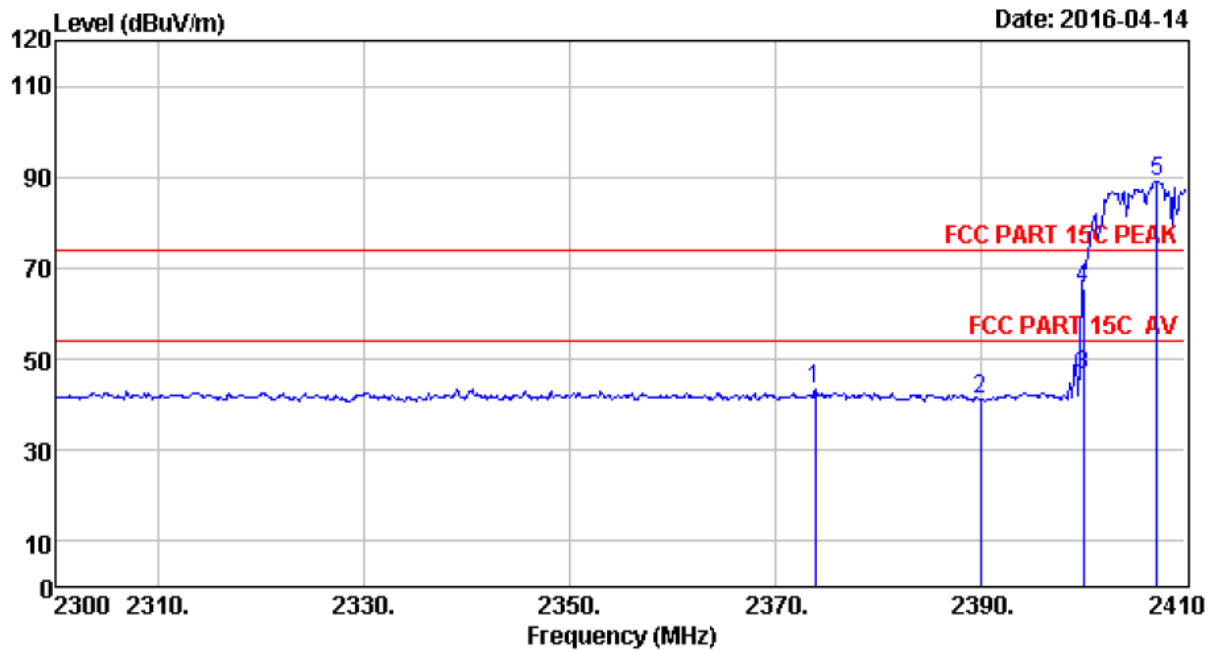
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 158  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : (π/4)DQPSK TX 2480MHz (Hopping No)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2476.13	27.58	6.71	89.50	88.68	74.00	-14.68	Peak
2	2483.50	27.58	6.71	52.59	51.77	74.00	22.23	Peak
3	2485.00	27.58	6.71	45.28	44.46	74.00	29.54	Peak

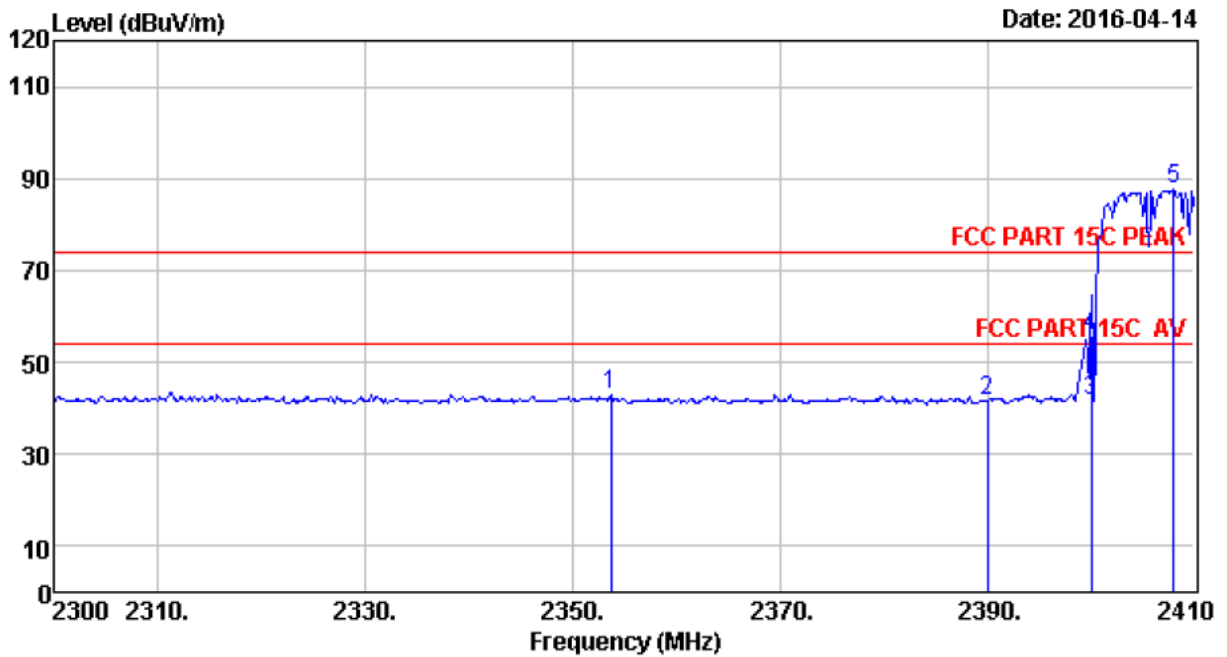
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber                      Data no. : 159  
 Dis. / Ant. : 3m ANT 1-18G                      Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2402MHz (Hopping On)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2373.92	27.64	6.60	43.87	43.52	74.00	30.48	Peak
2	2390.00	27.64	6.62	41.43	41.07	74.00	32.93	Peak
3	2400.00	27.61	6.62	46.81	46.40	54.00	7.60	Average
4	2400.00	27.61	6.62	66.11	65.70	74.00	8.30	Peak
5	2407.25	27.61	6.64	89.34	88.95	74.00	-14.95	Peak

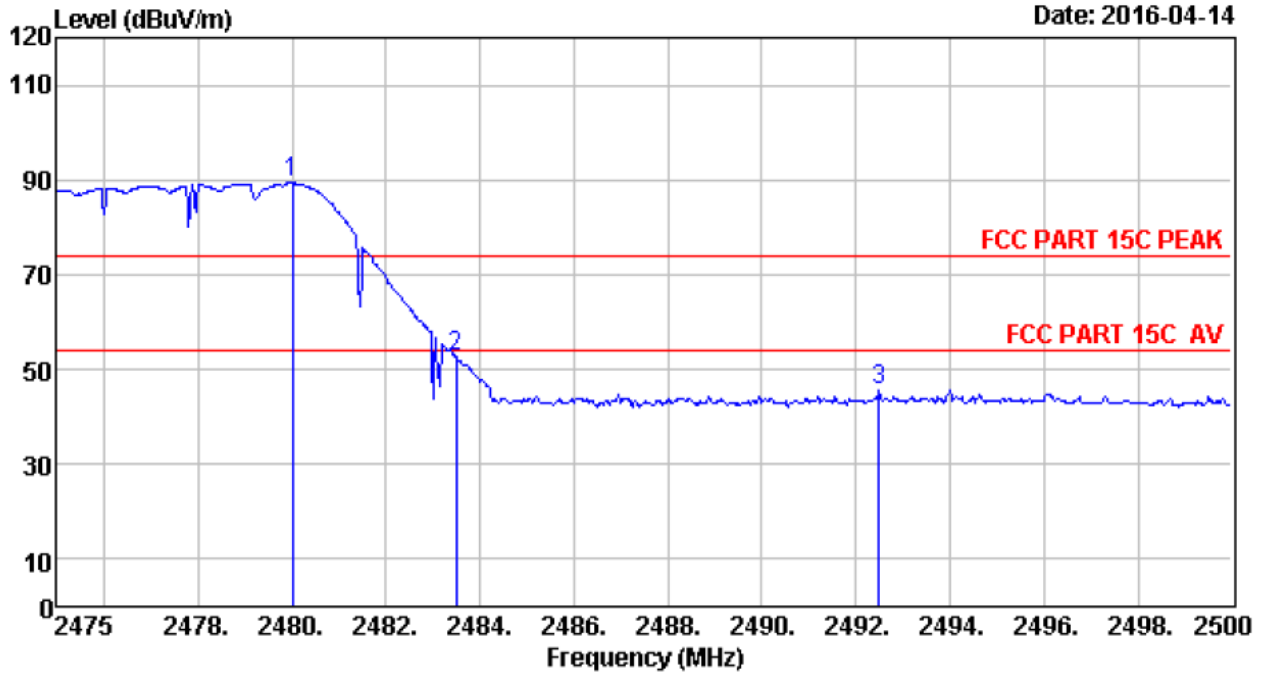
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 160  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2402MHz (Hopping On)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2353.68	27.70	6.58	43.28	42.99	74.00	31.01	Peak
2	2390.00	27.64	6.62	41.89	41.53	74.00	32.47	Peak
3	2400.00	27.61	6.62	42.21	41.80	54.00	12.20	Average
4	2400.00	27.61	6.62	56.00	55.59	74.00	18.41	Peak
5	2408.02	27.61	6.64	87.93	87.54	74.00	-13.54	Peak

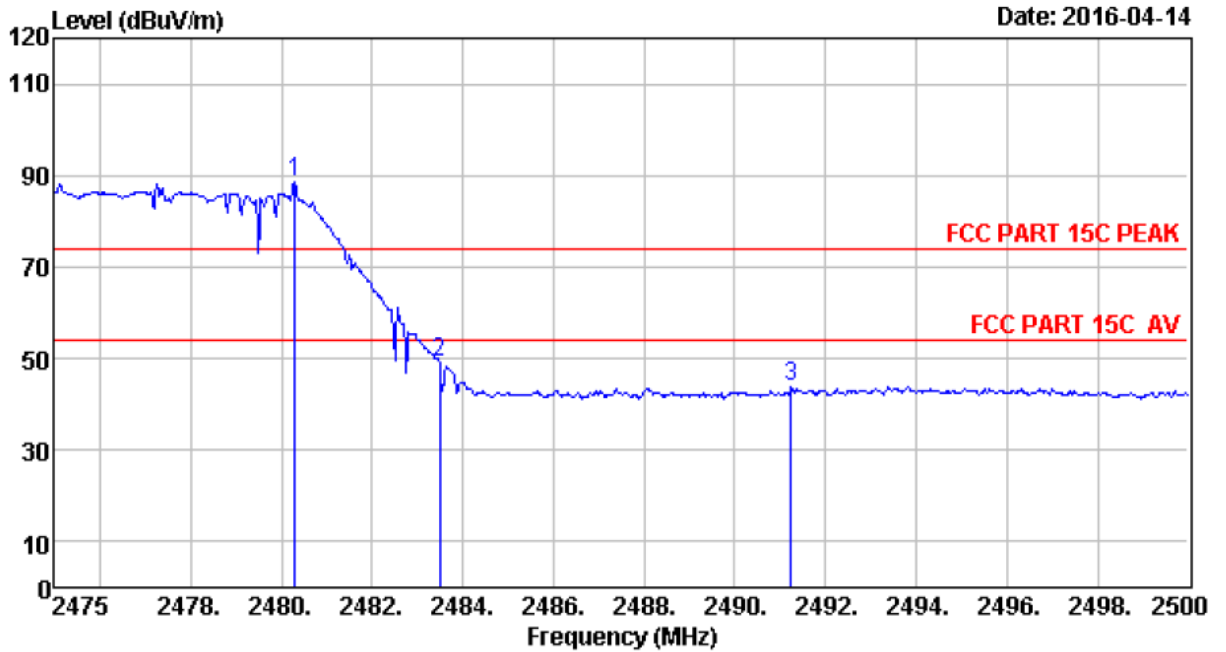
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 161  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	90.09	89.27	74.00	-15.27	Peak
2	2483.50	27.58	6.71	53.31	52.49	74.00	21.51	Peak
3	2492.50	27.58	6.73	46.42	45.49	74.00	28.51	Peak

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



Site no. : 966 1# chamber Data no. : 162  
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V Form Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.30	27.58	6.71	89.24	88.42	74.00	-14.42	Peak
2	2483.50	27.58	6.71	50.16	49.34	74.00	24.66	Peak
3	2491.25	27.58	6.73	44.74	43.81	74.00	30.19	Peak

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



## 10. CONDUCTED SPURIOUS EMISSION

### 10.1. 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.

### 10.2. Test Procedure

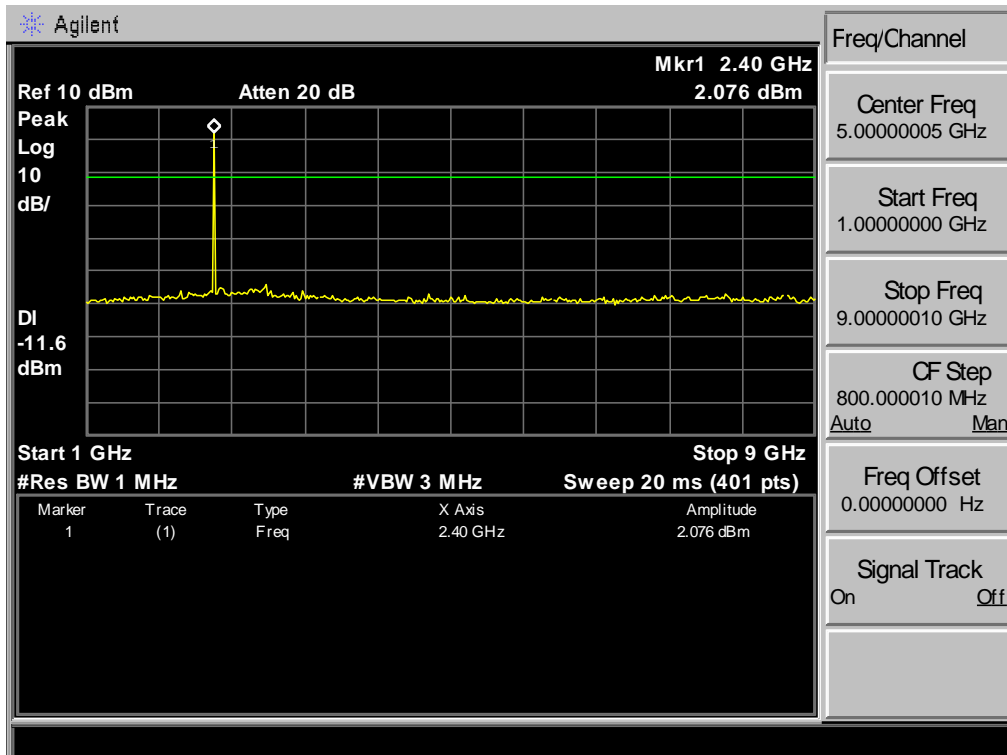
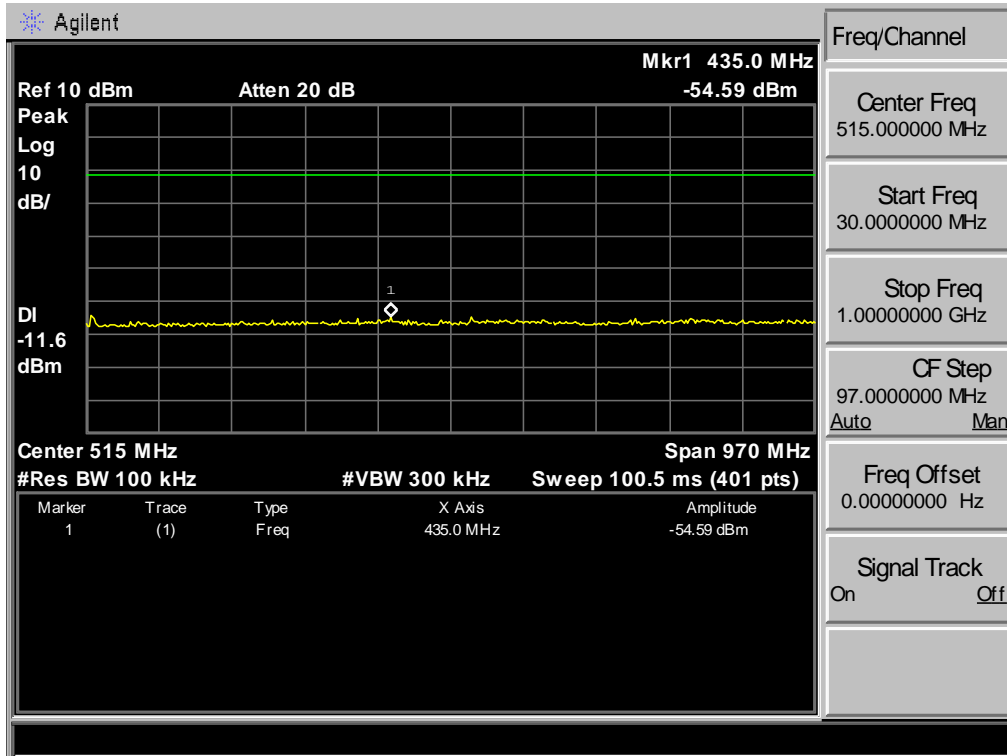
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz for frequency range from 30MHz to 1000 MHz; The resolution bandwidth is set to 1 MHz, The video bandwidth is set to 3 MHz for frequency range from 1000MHz to 25000 MHz.

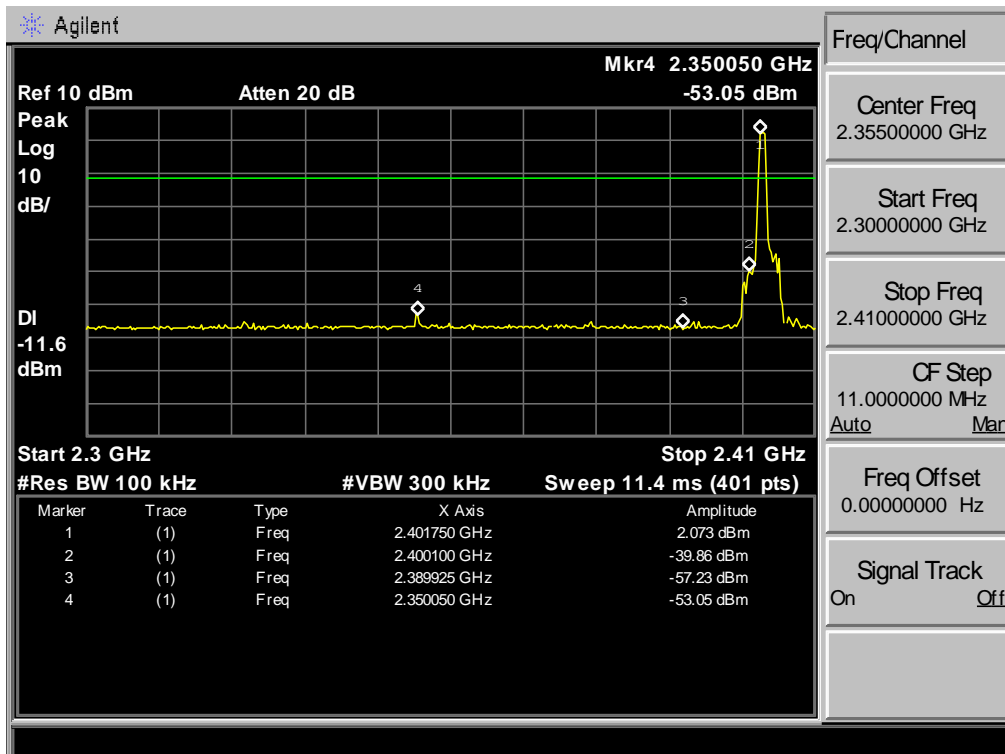
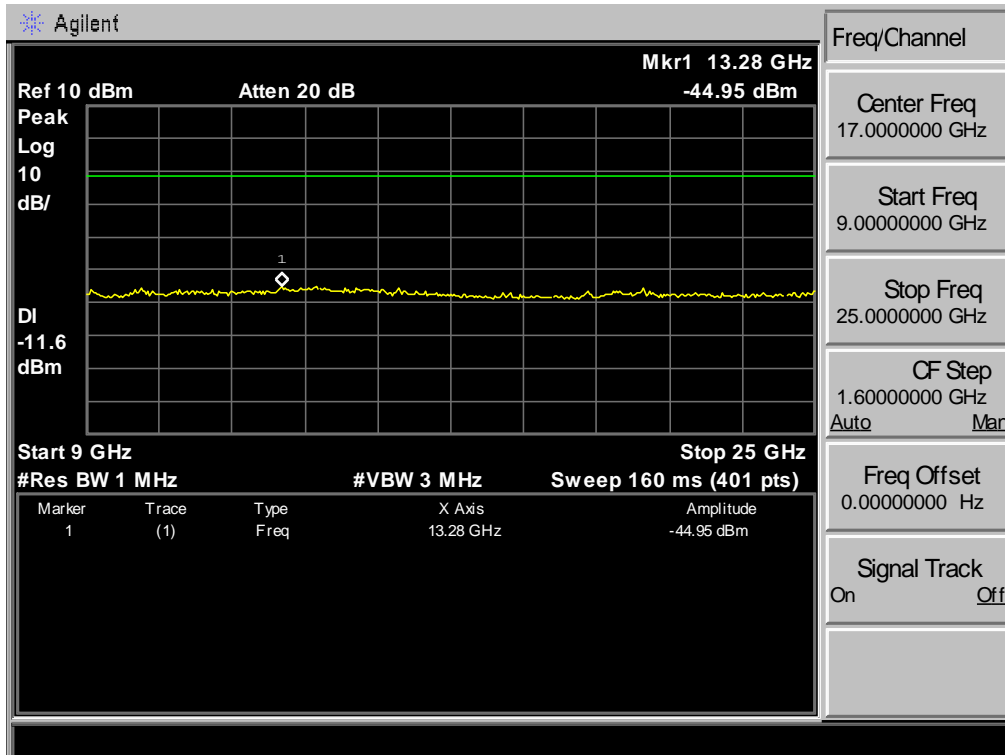
### 10.3. Test Result

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

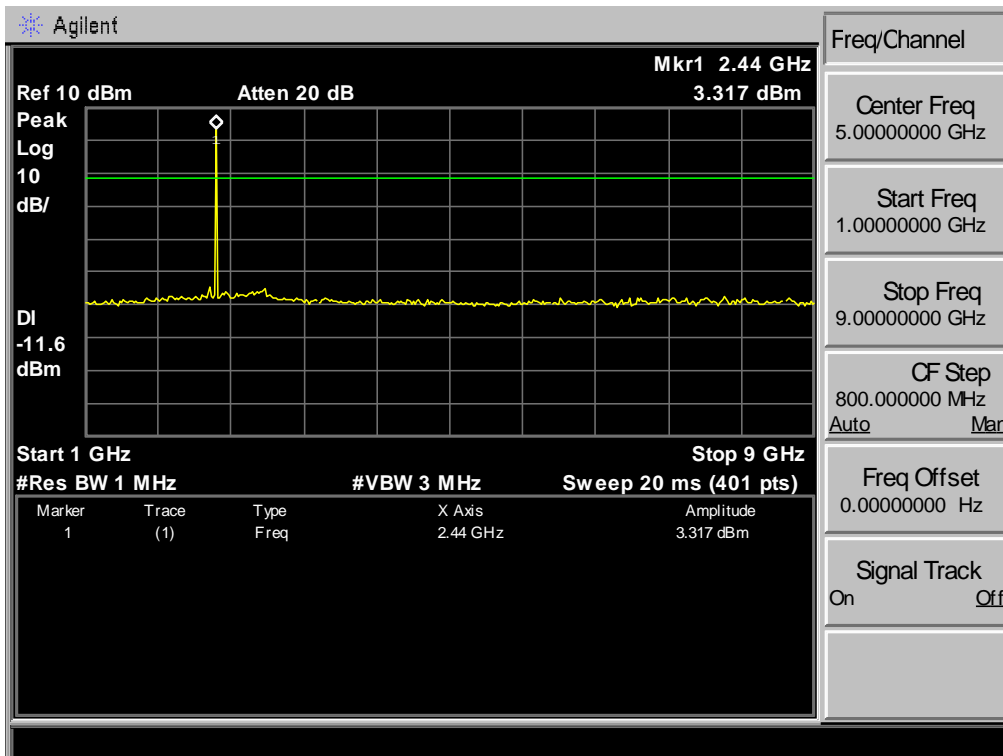
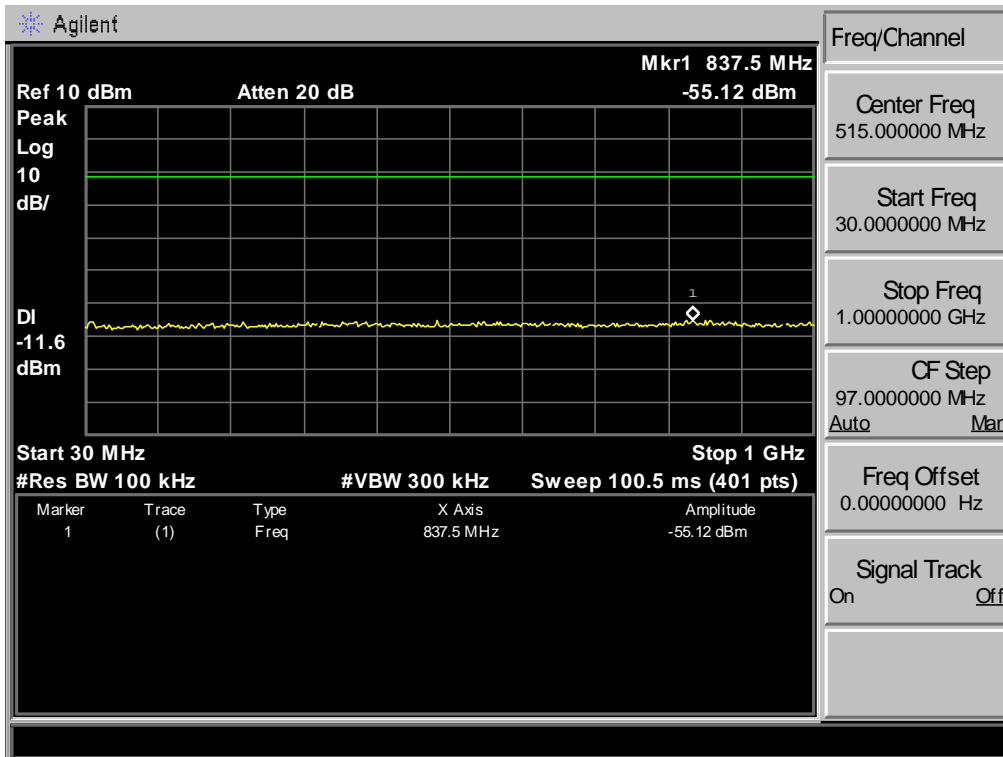
### 10.4. Test Data

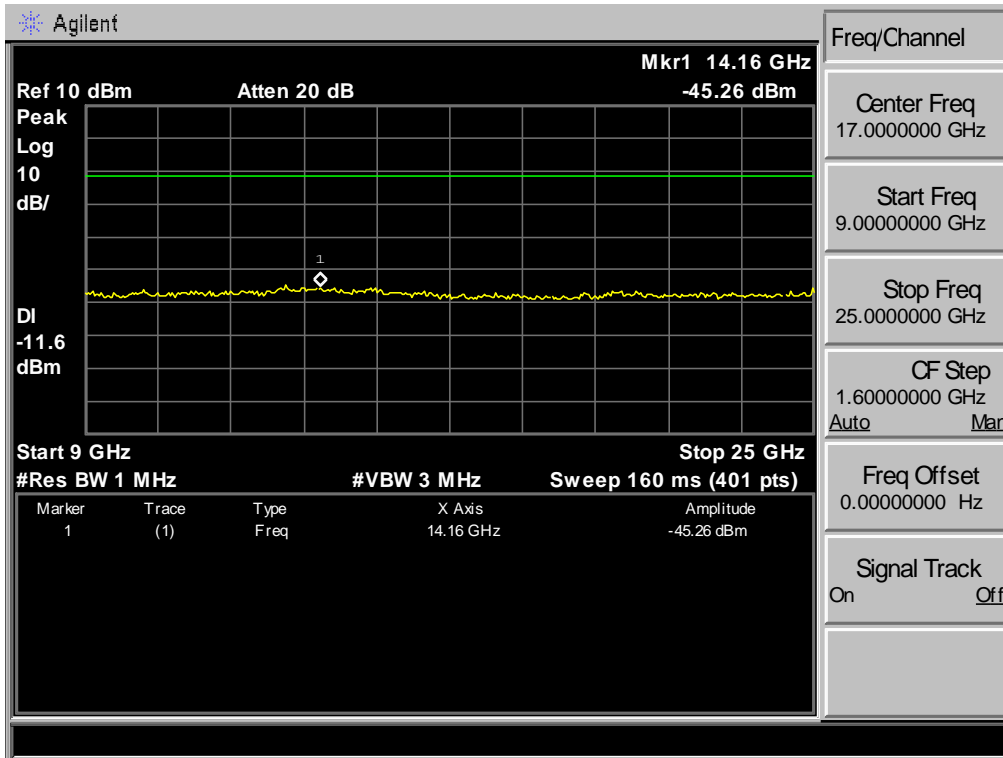
Test Mode: GFSK 2402MHz



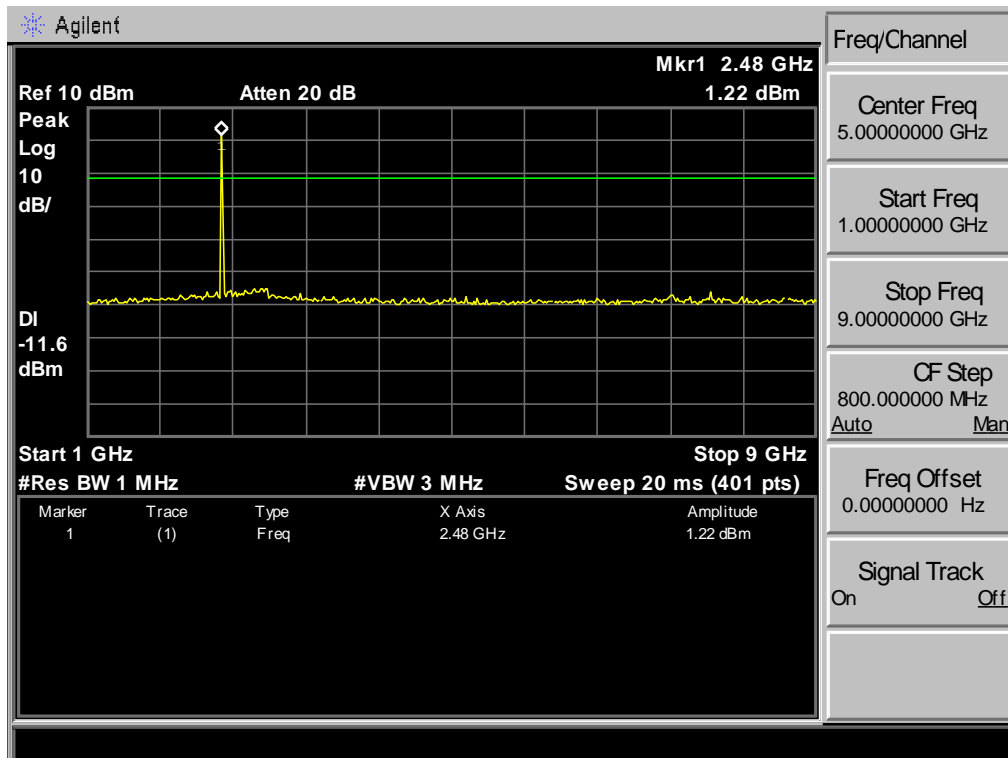
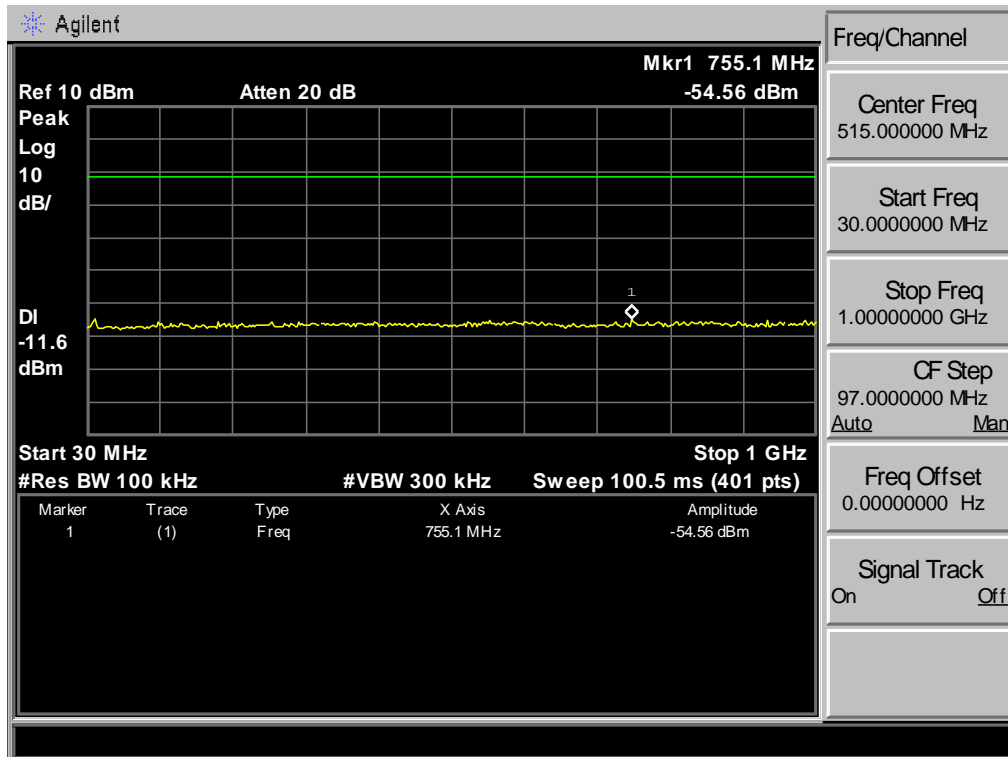


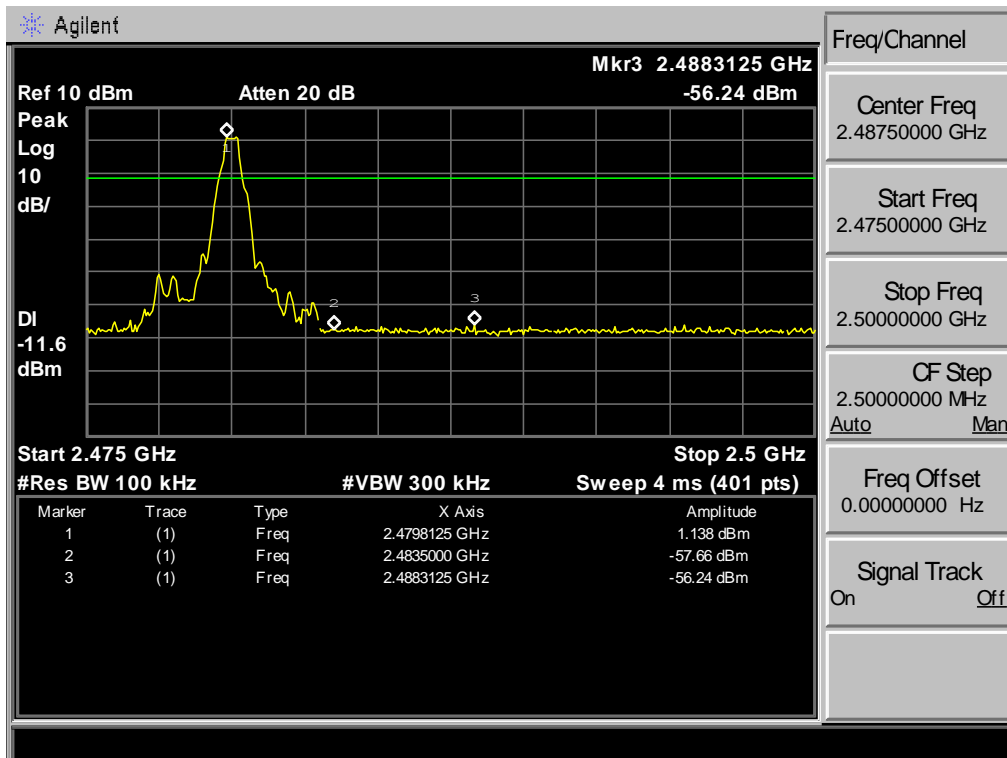
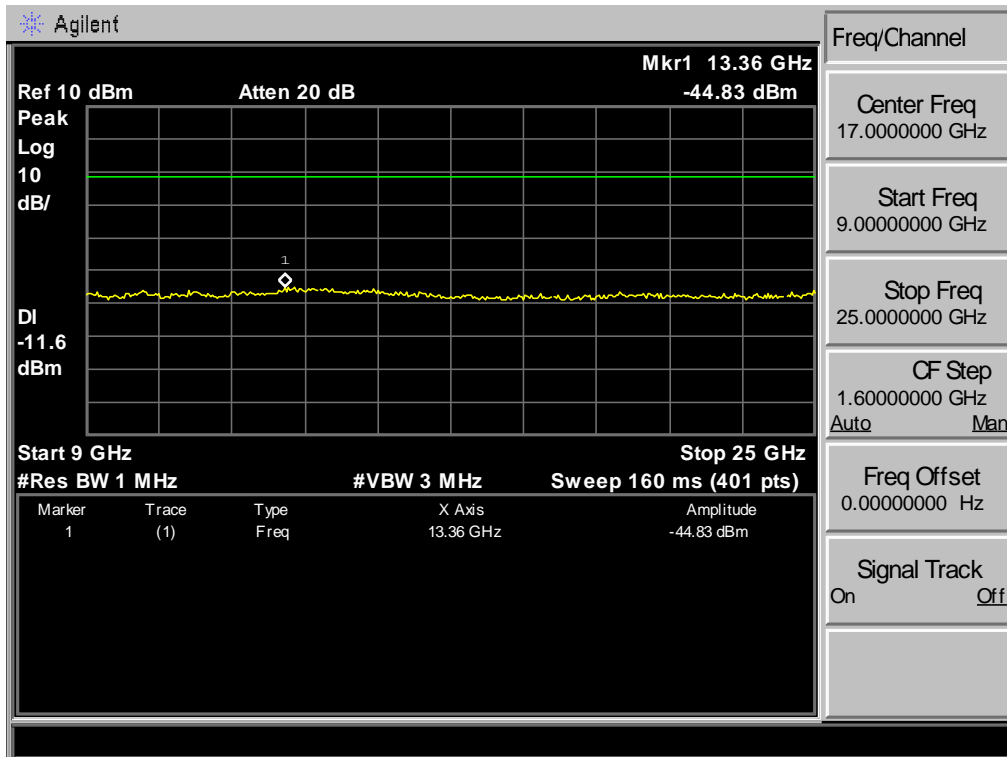
Test Mode: GFSK 2441MHz



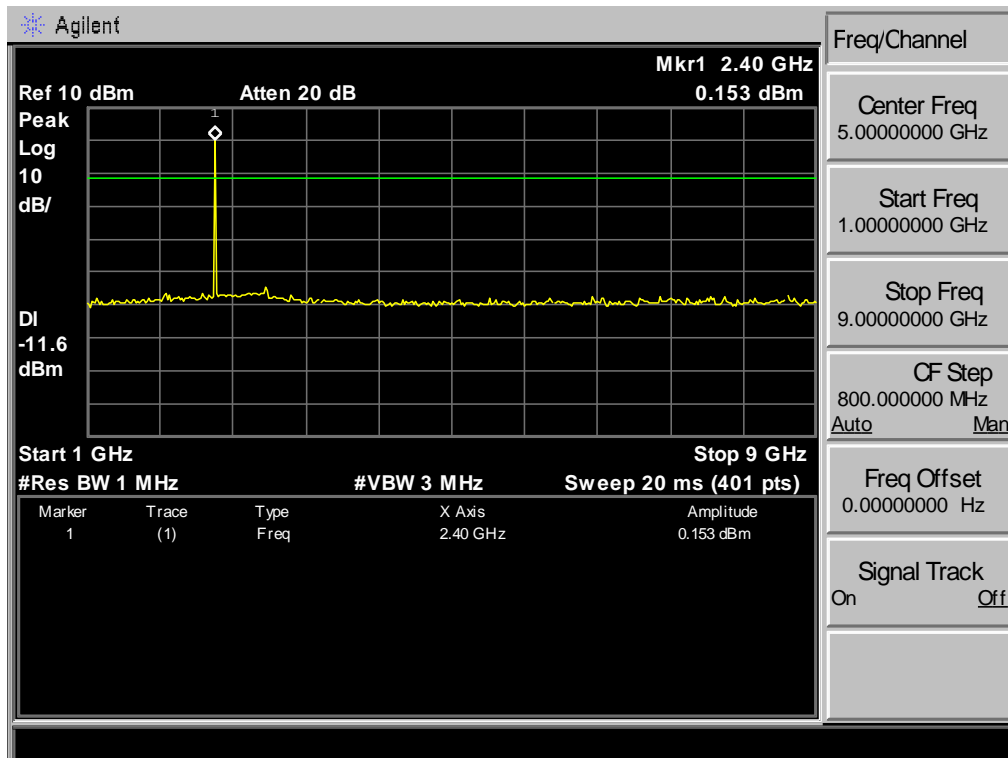
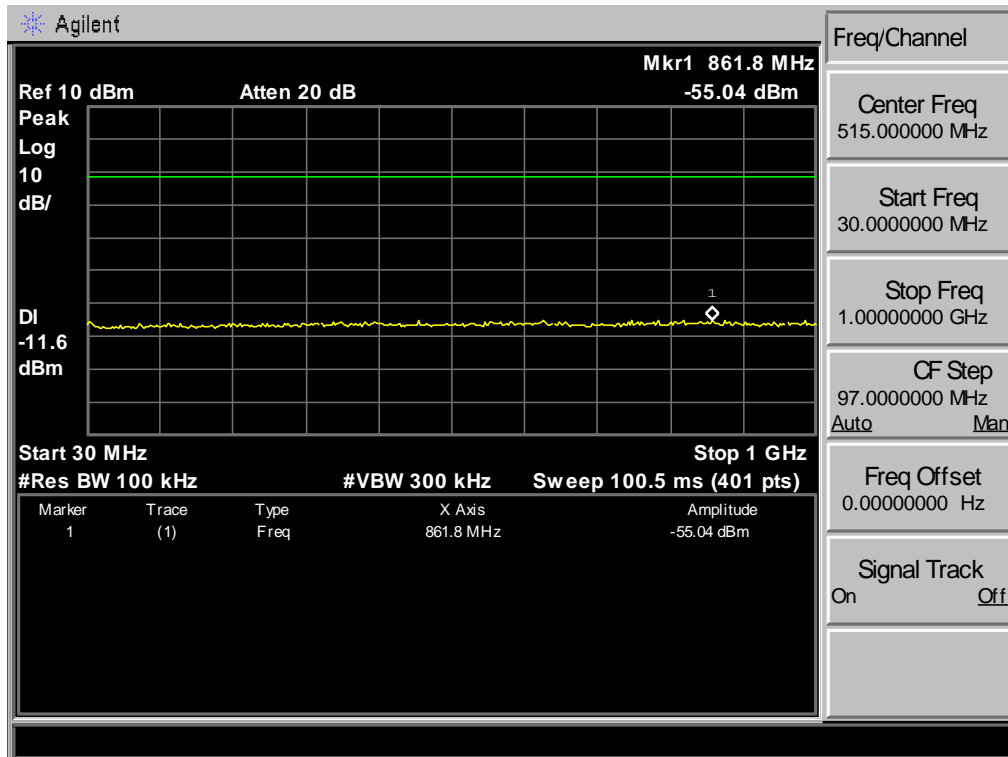


Test Mode: GFSK 2480MHz

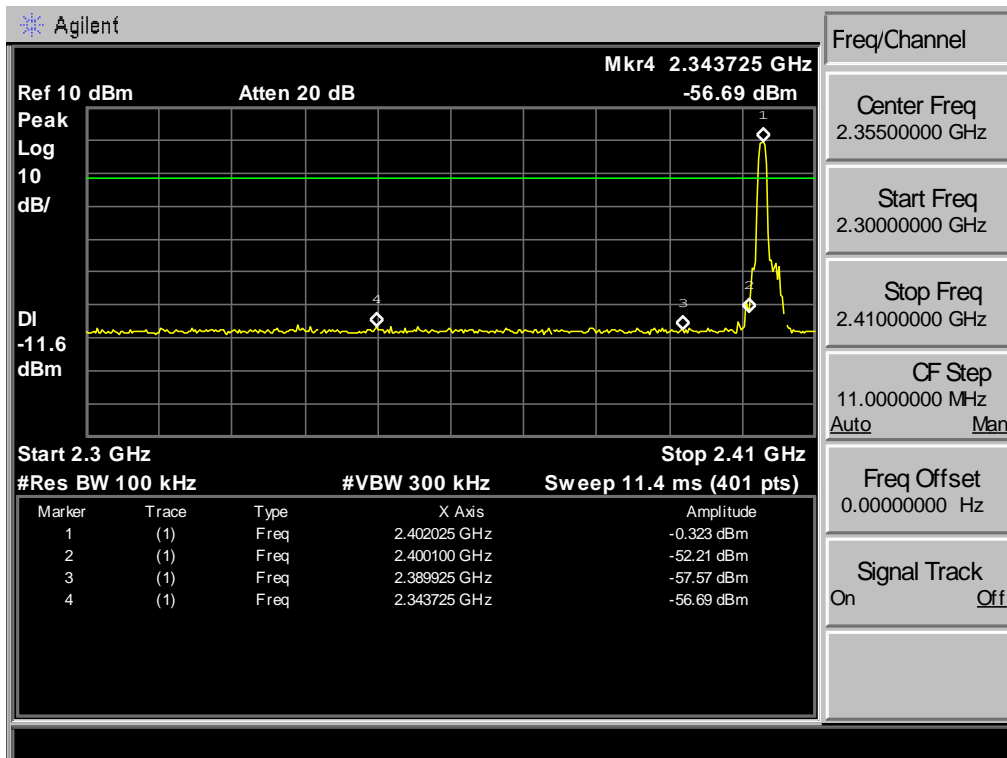
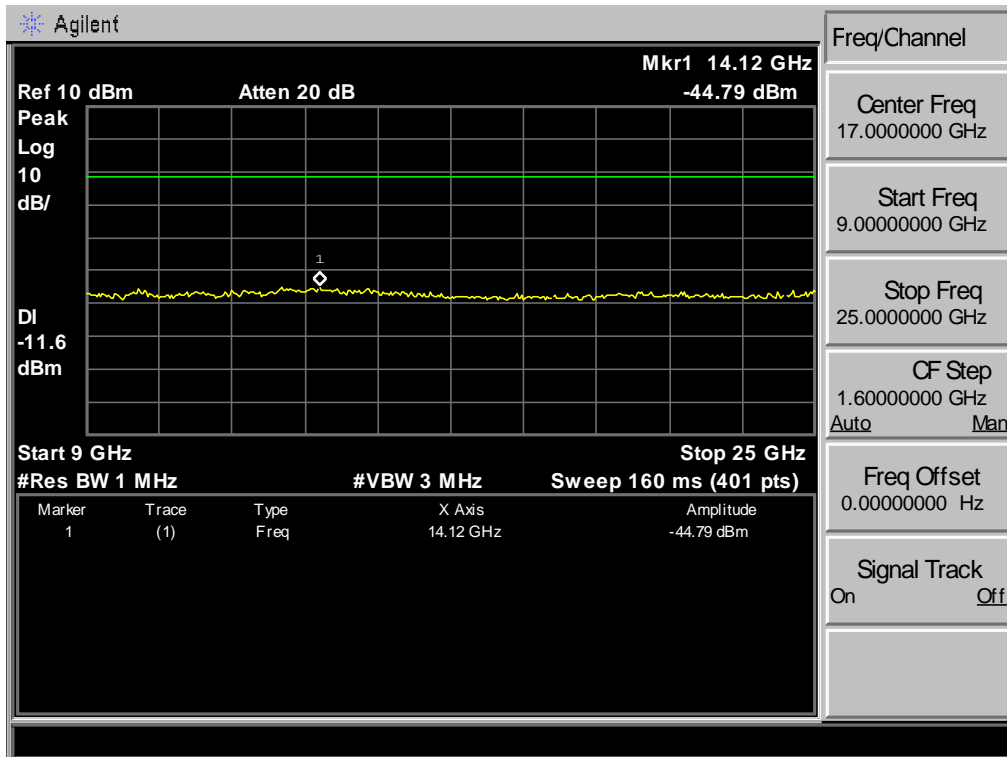




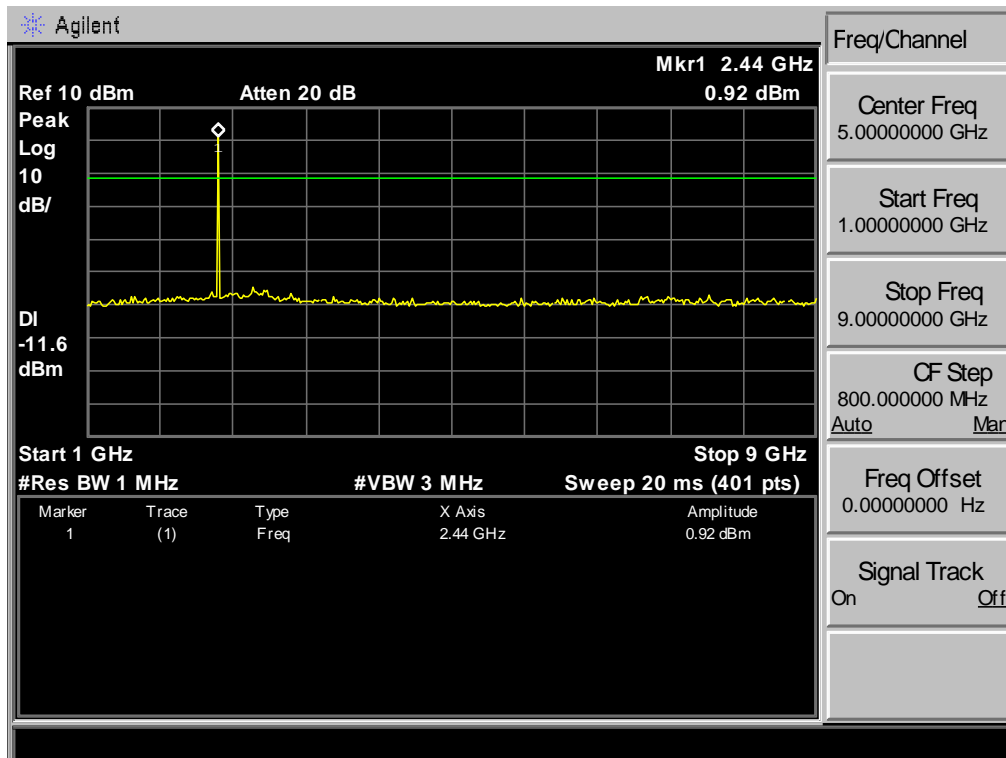
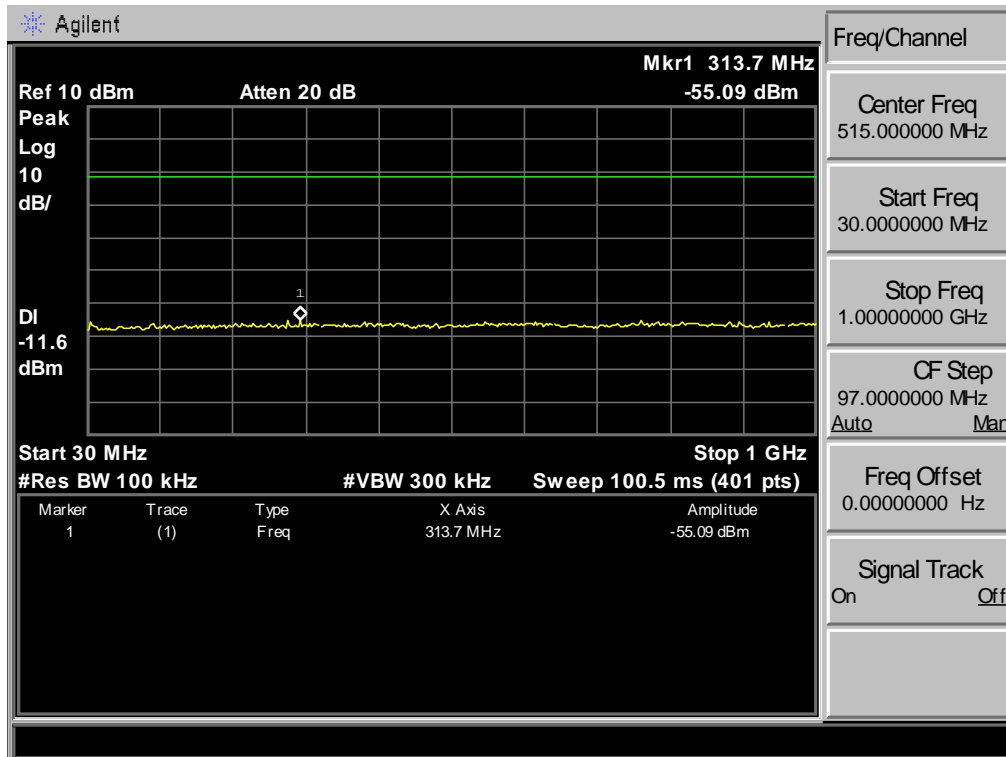
Test Mode:  $\pi/4$ -DQPSK 2402MHz

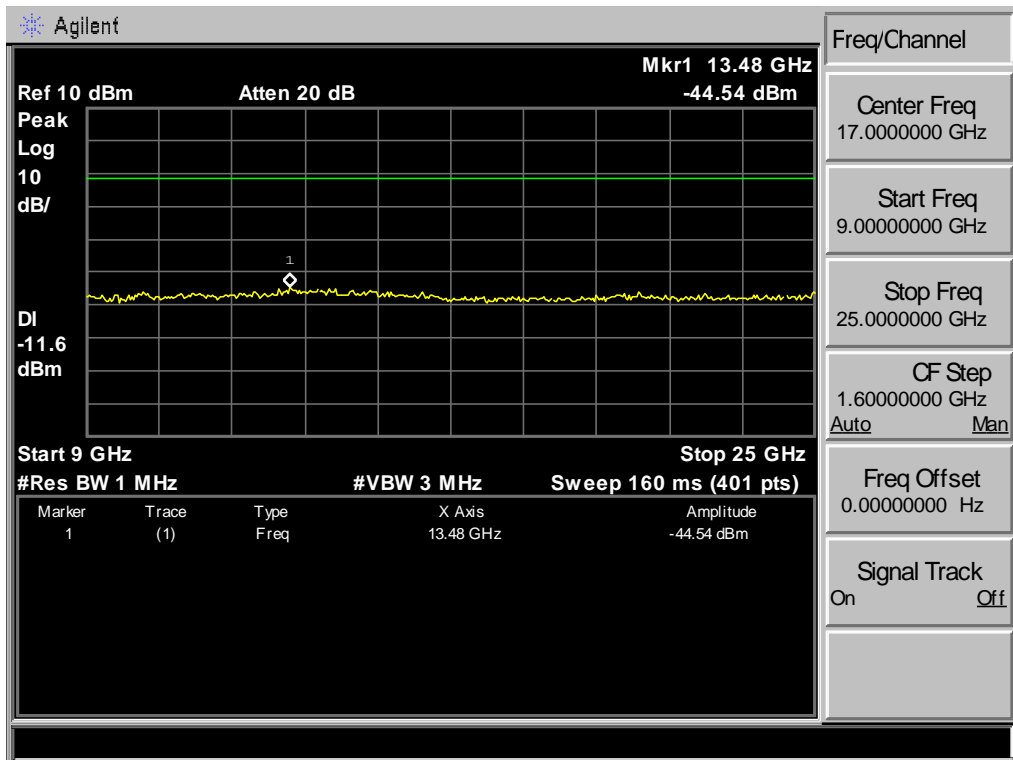




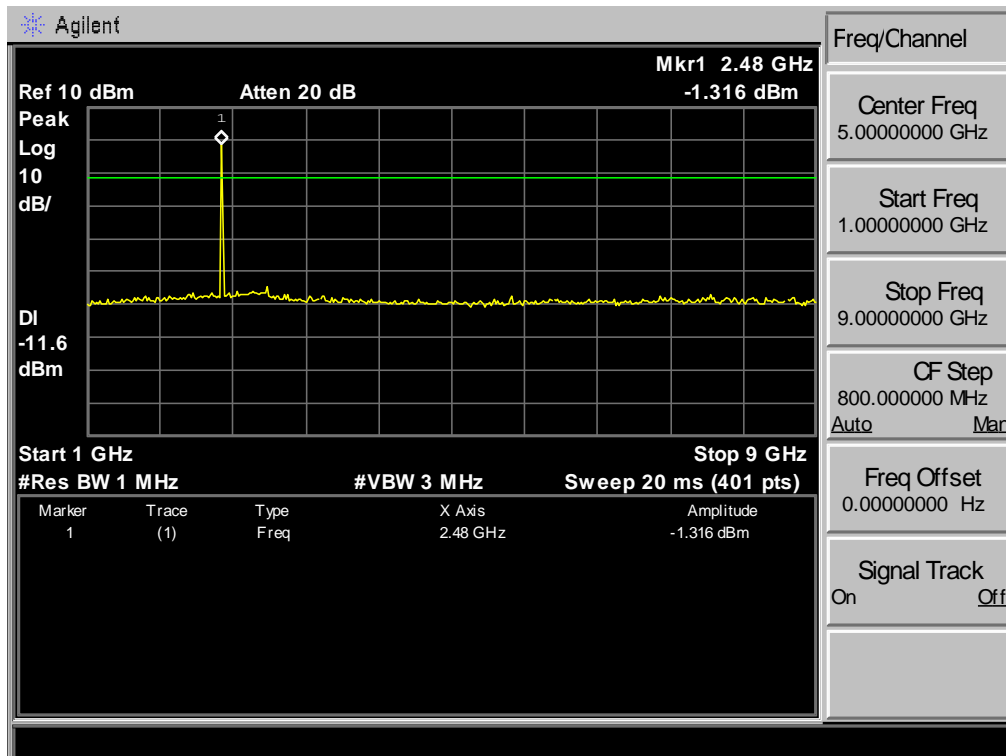
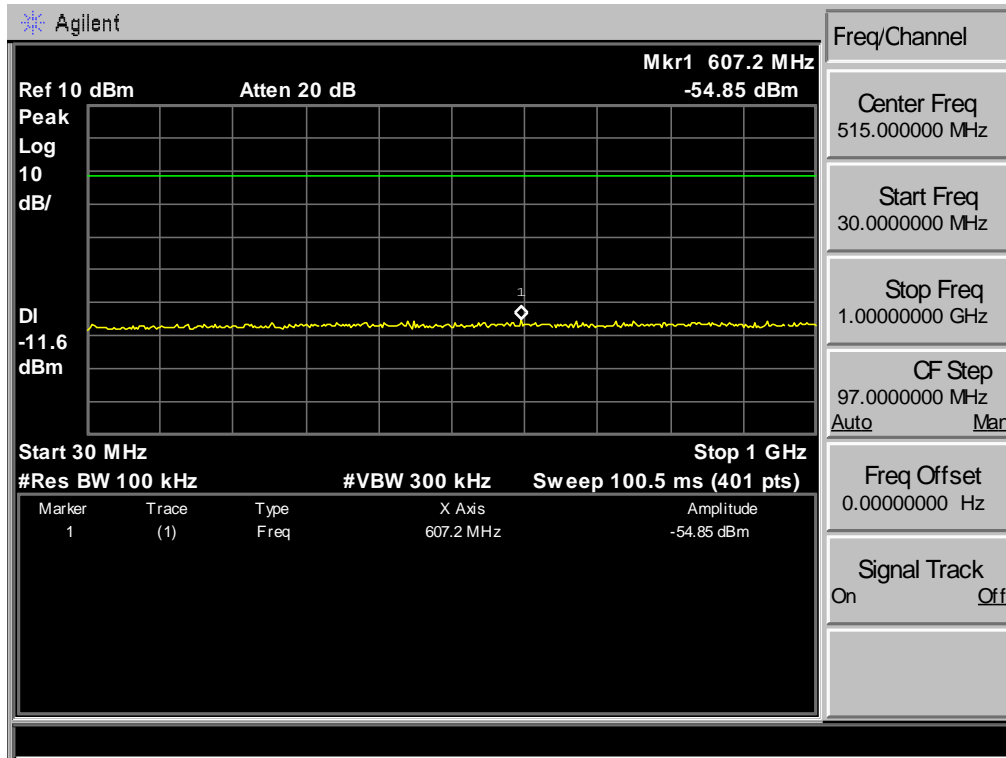


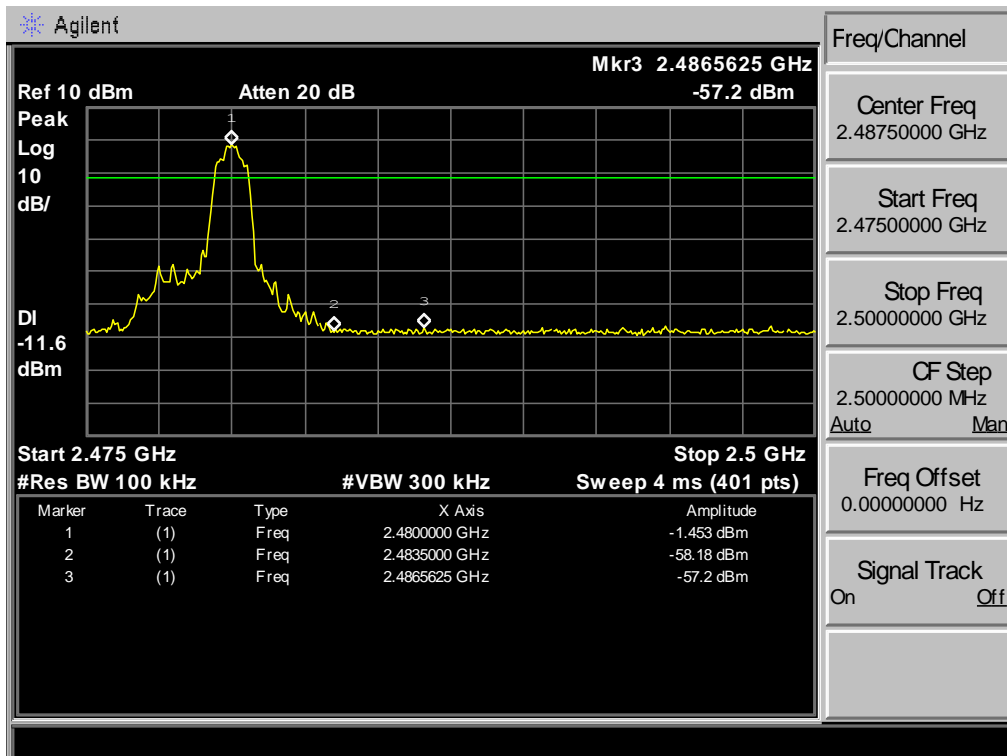
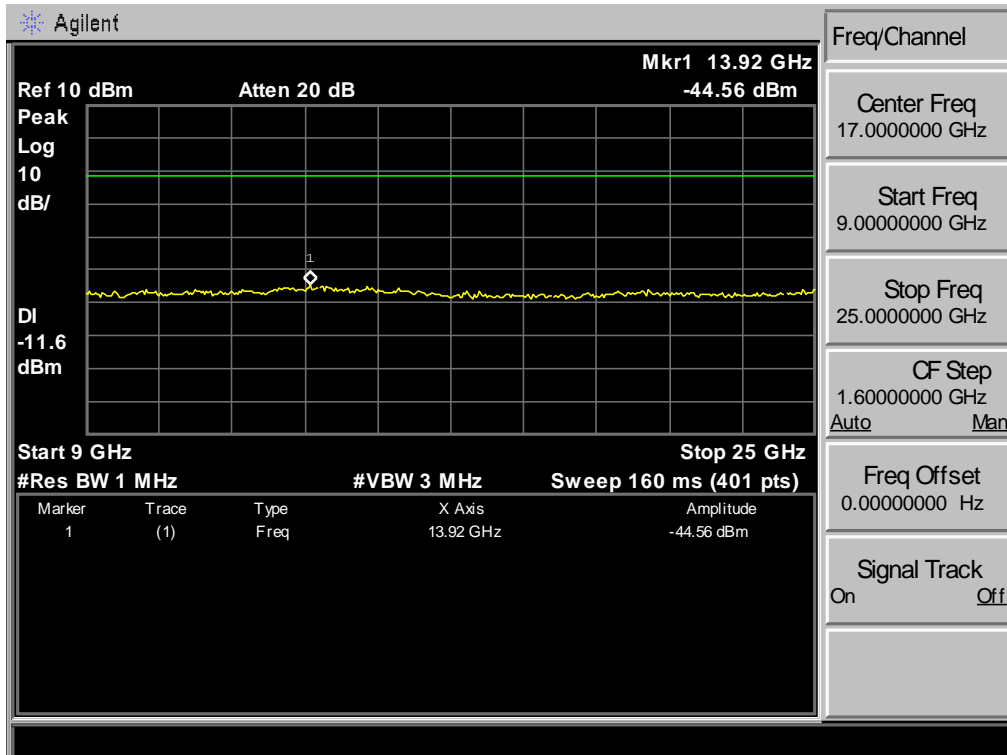
Test Mode:  $\pi/4$ -DQPSK 2441MHz



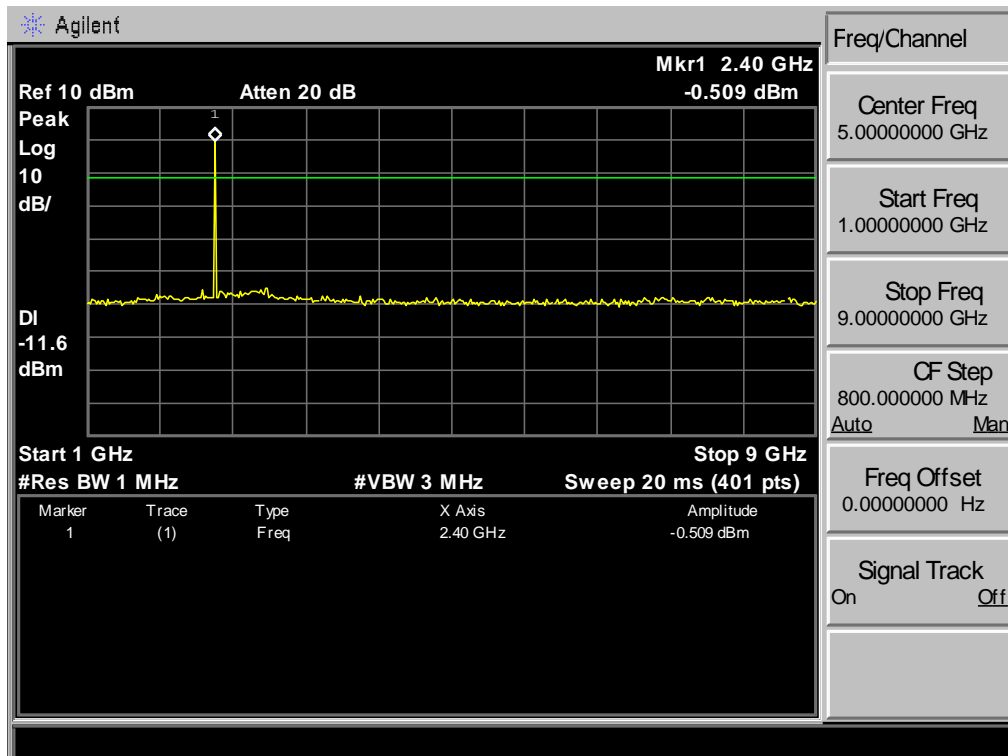
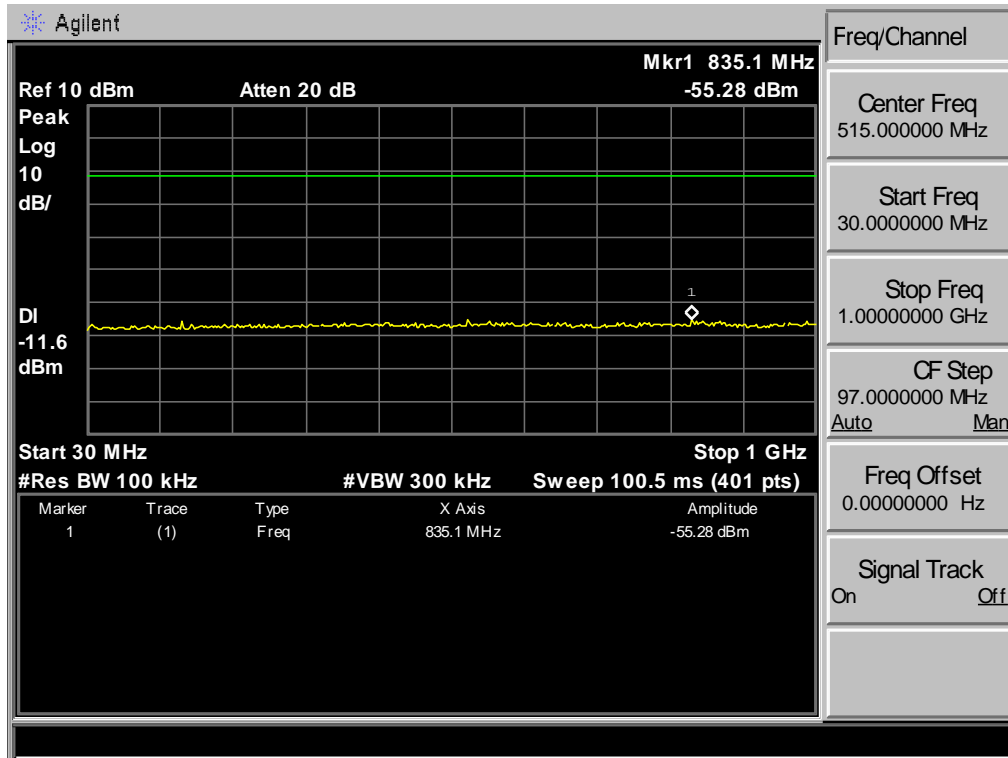


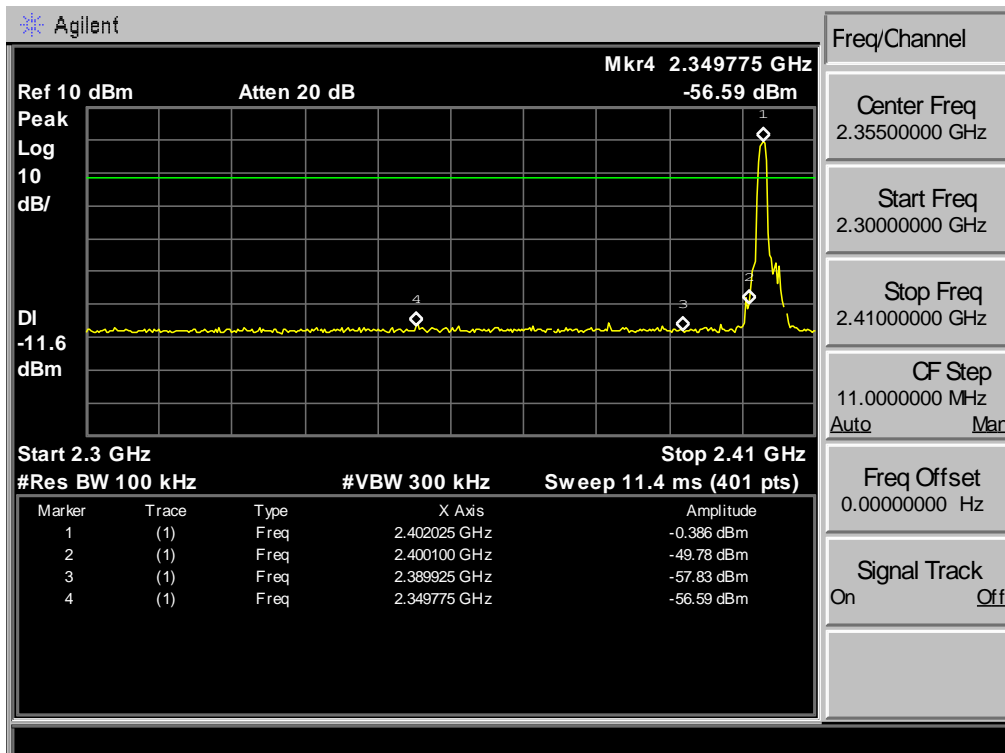
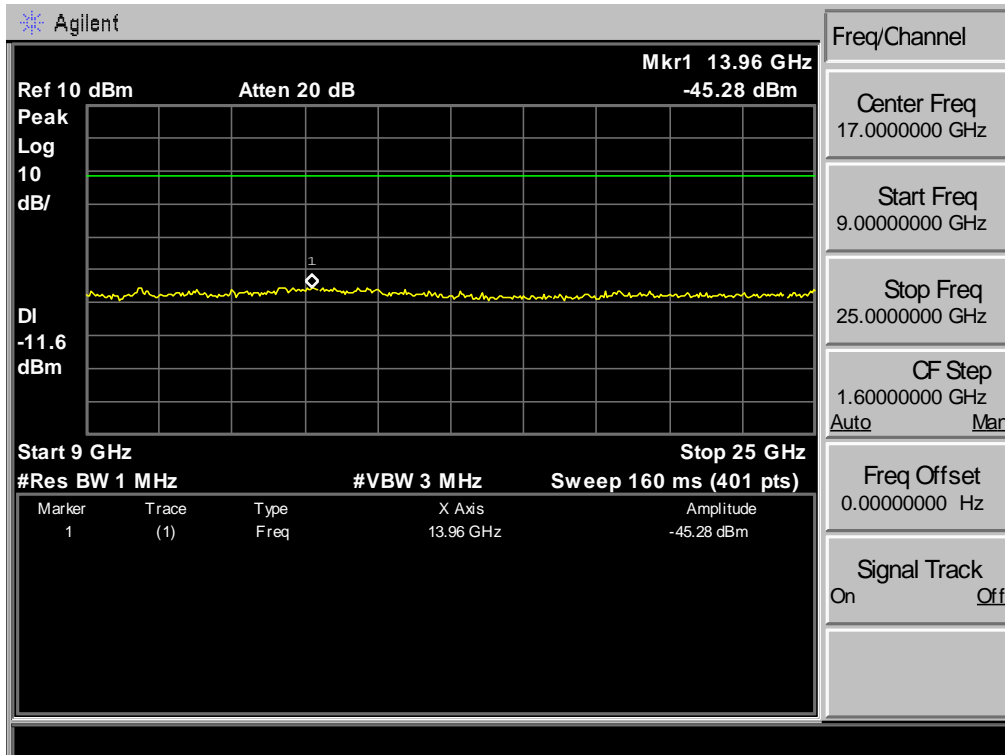
Test Mode:  $\pi/4$ -DQPSK 2480MHz



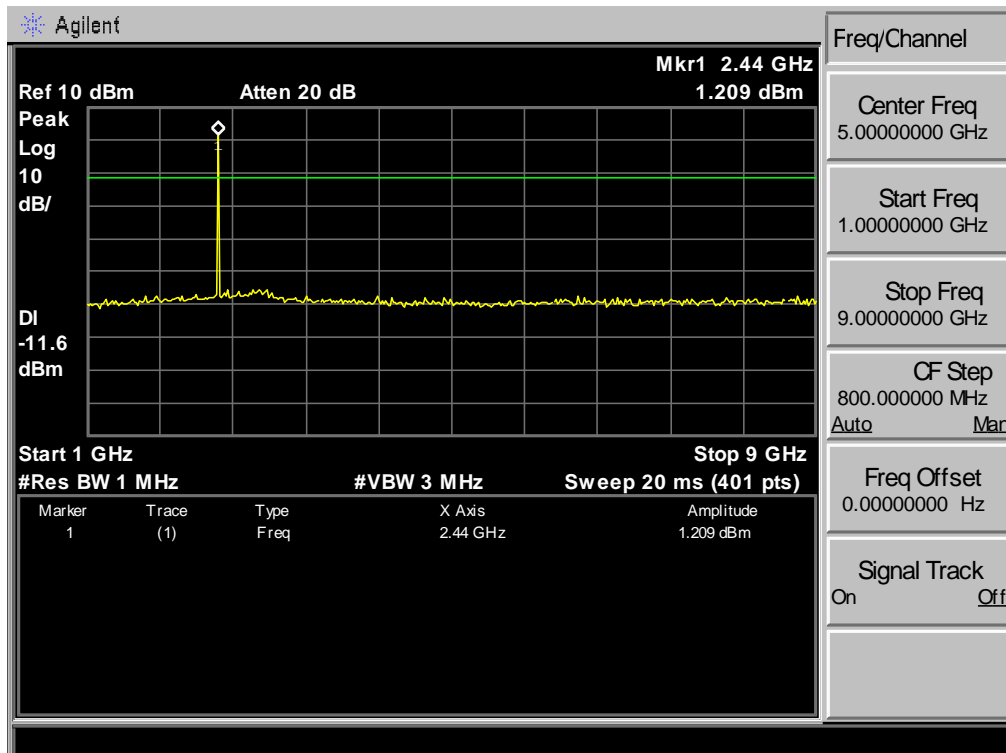
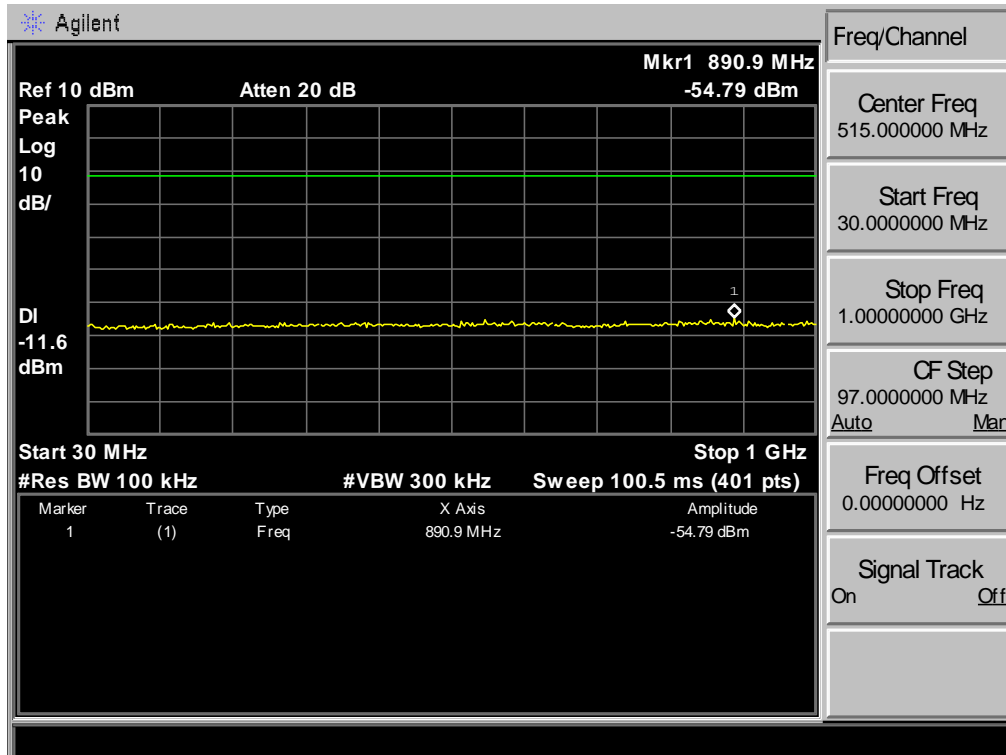


Test Mode: 8-DPSK 2402MHz

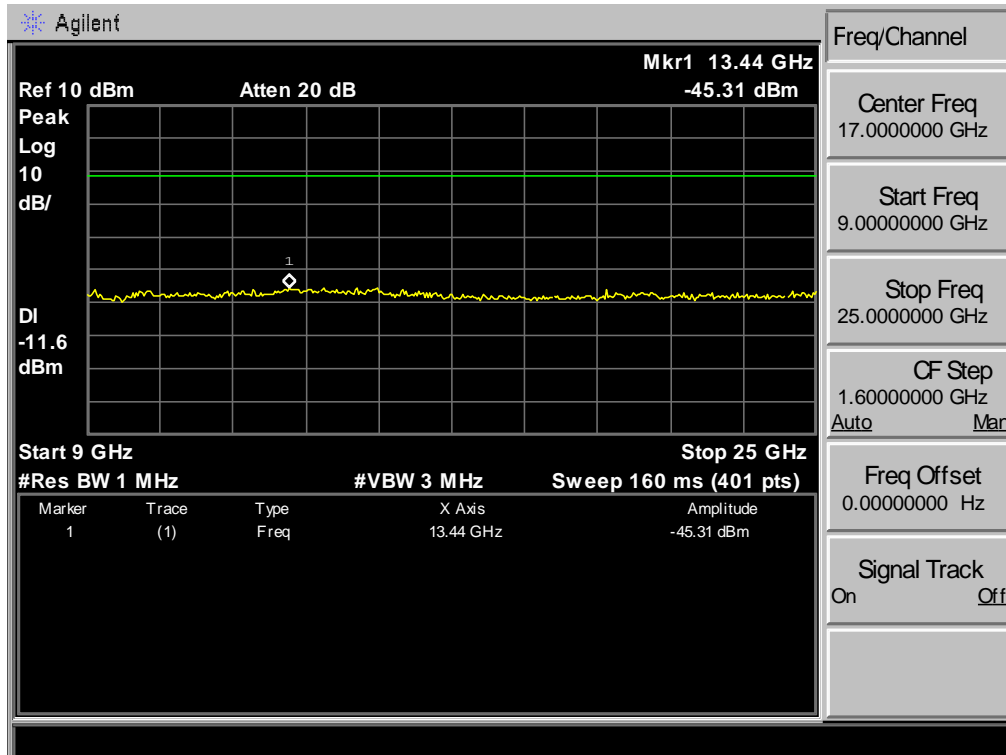




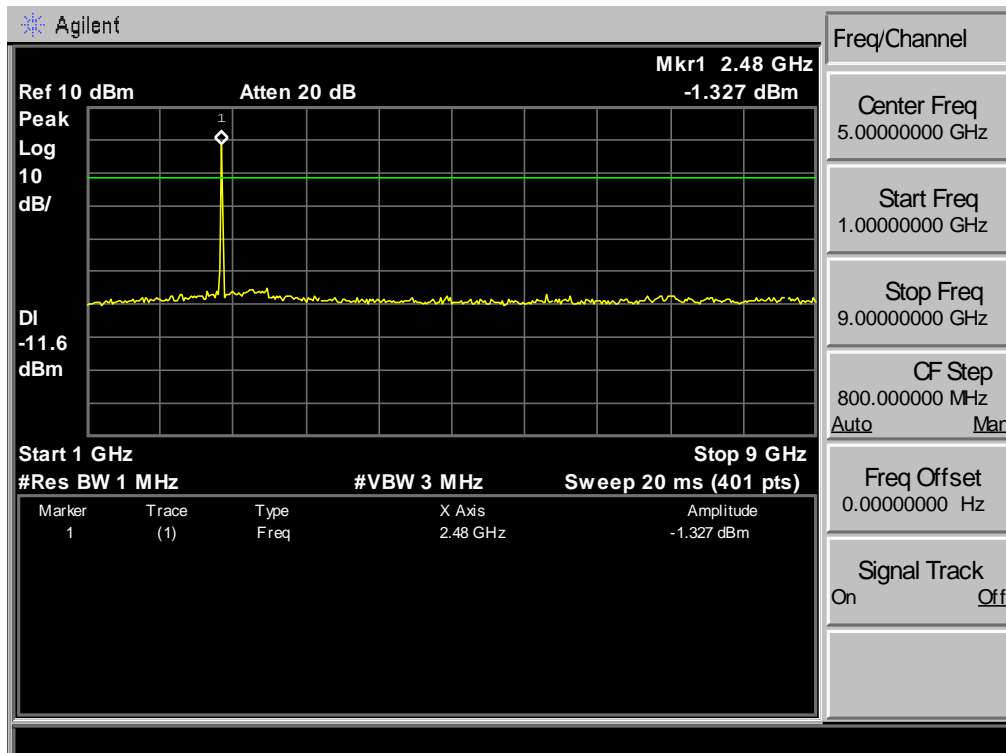
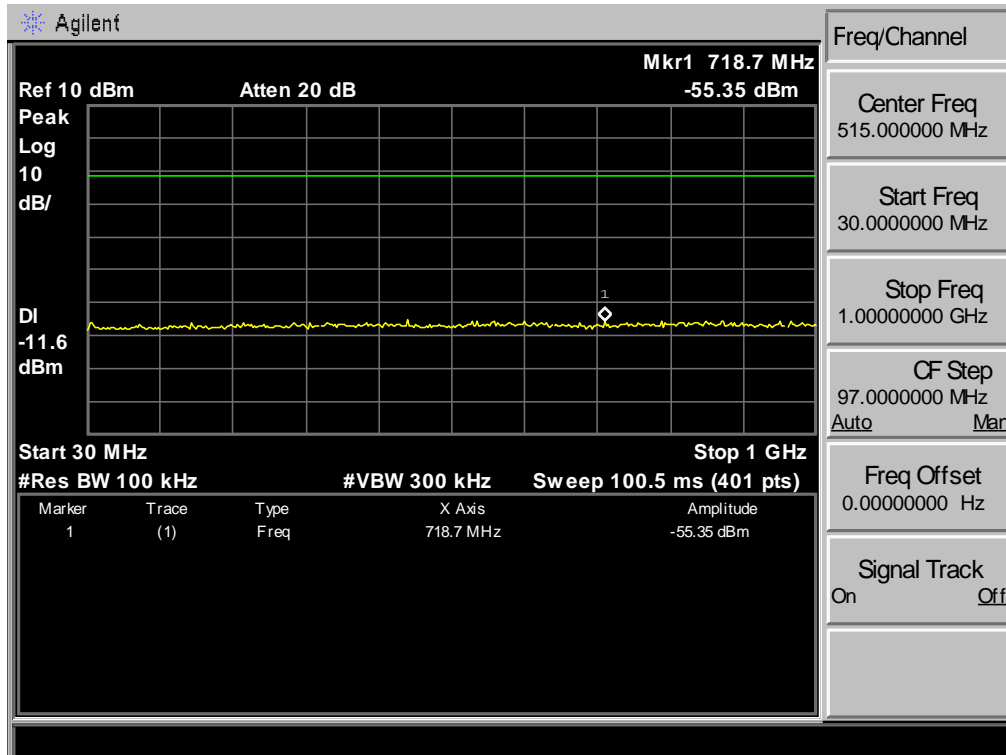
Test Mode: 8-DPSK 2441MHz

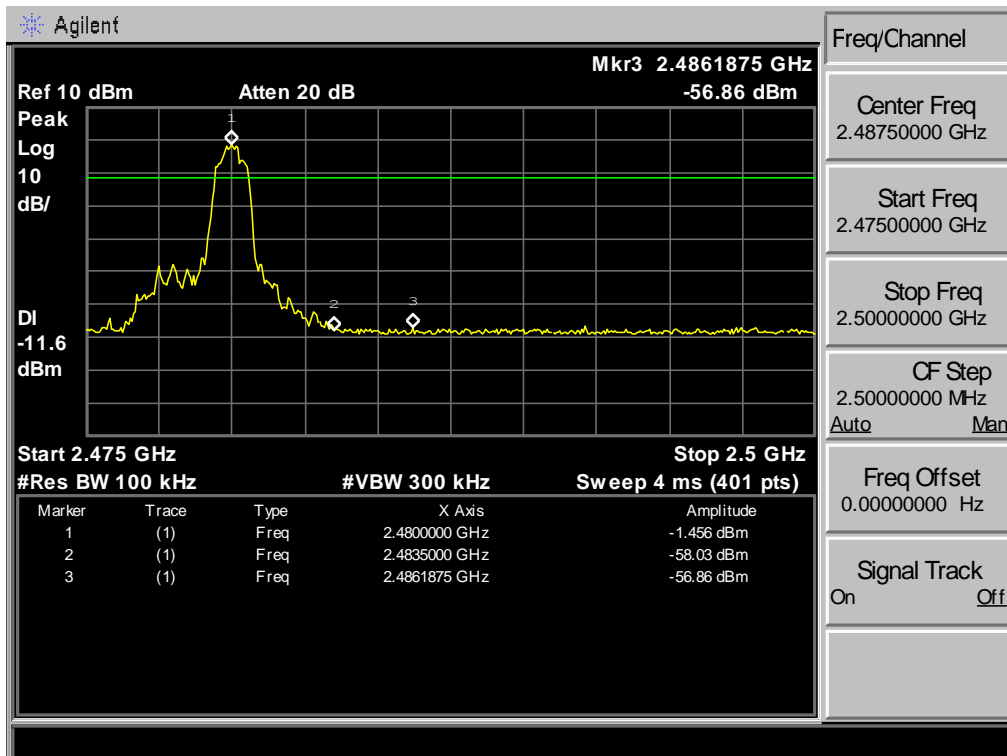
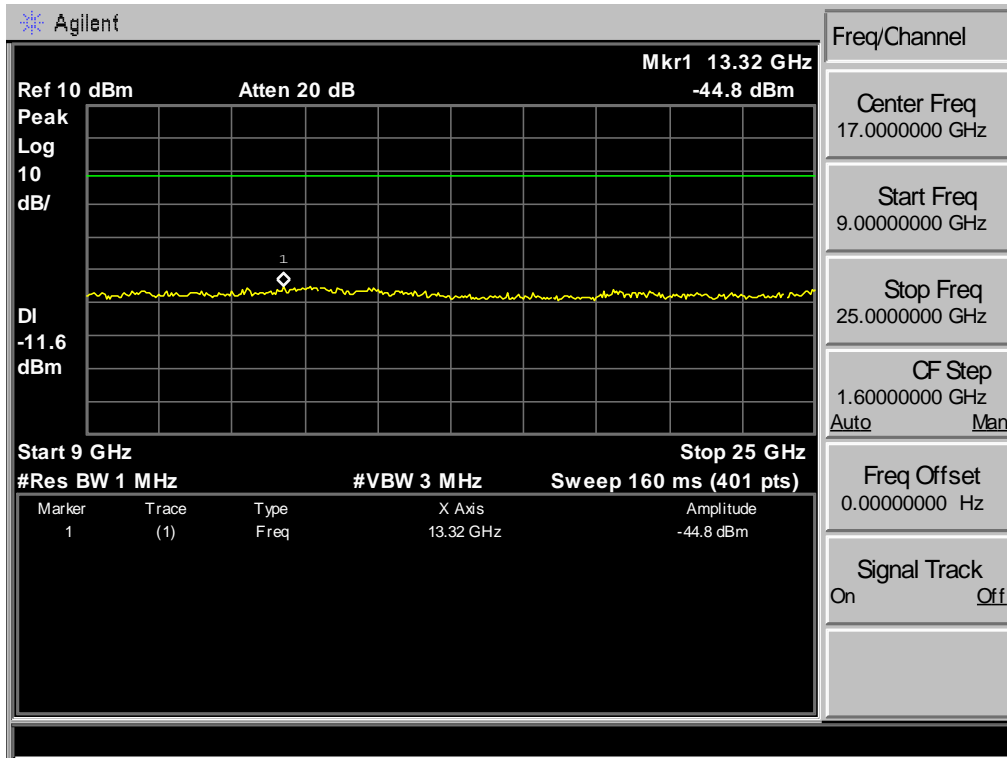






Test Mode: 8-DPSK 2480MHz





## 11. POWER LINE CONDUCTED EMISSIONS

### 11.1. Limit

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

Notes: 1. \* Decreasing linearly with logarithm of frequency.  
 2. The lower limit shall apply at the transition frequencies.

### 11.2. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT was charged from PC's USB port which connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#).. Both sides of 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 C63.4: 2009 on Conducted Emission Test.

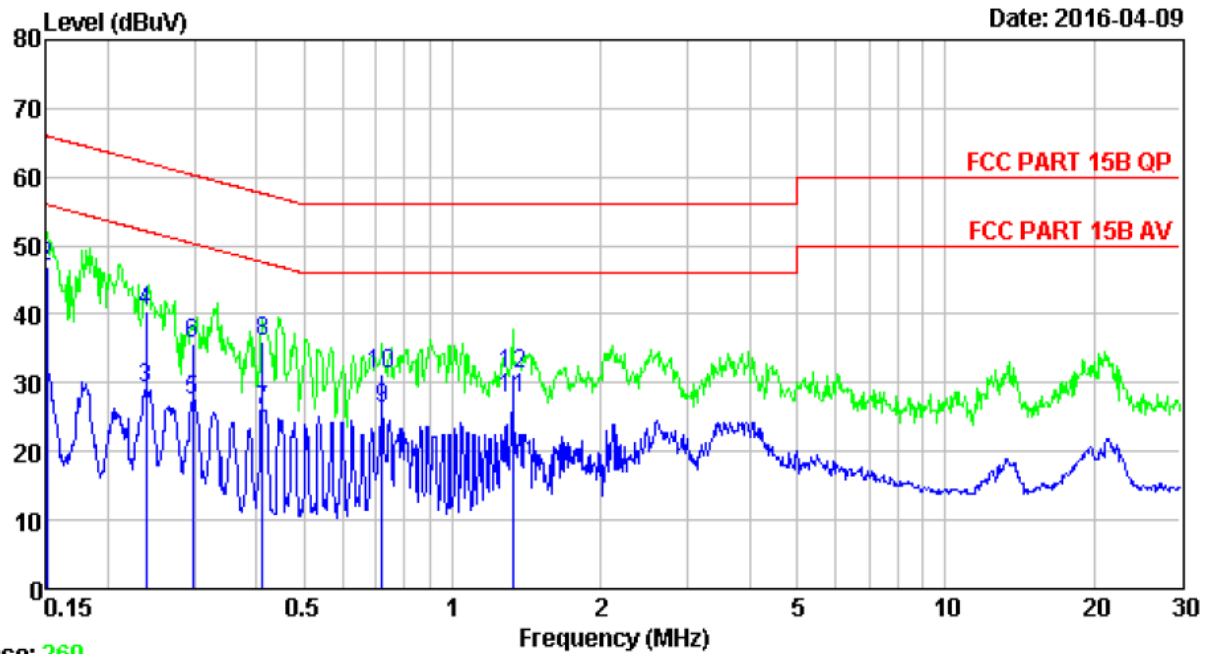
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

### 11.3. Test Result

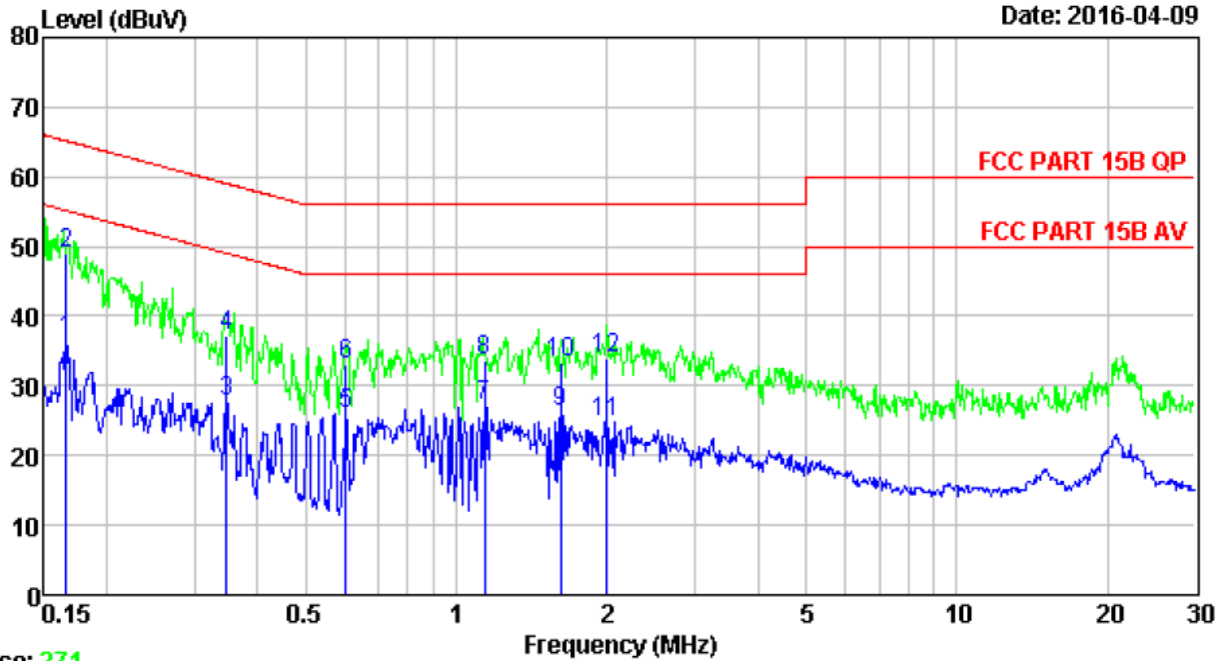
**PASS.** (All emissions not reported below are too low against the prescribed limits.)

### 11.4. Test data



Trace: 269  
 Site no : 844 Shield Room Data no. : 270  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 1

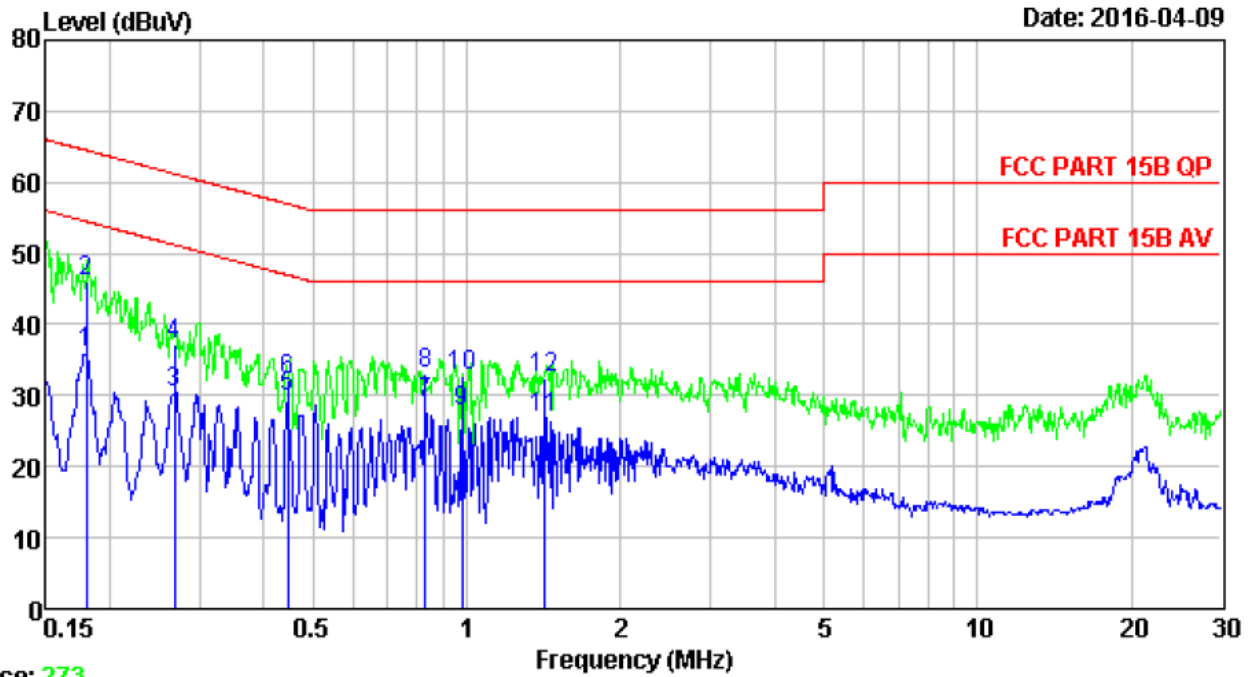
	Freq. (MHz)	LISM Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	9.61	9.81	14.95	34.37	56.00	21.63	Average
2	0.15	9.61	9.81	27.57	46.99	66.00	19.01	QP
3	0.24	9.61	9.82	9.80	29.23	52.13	22.90	Average
4	0.24	9.61	9.82	21.03	40.46	62.13	21.67	QP
5	0.30	9.61	9.83	8.10	27.54	50.32	22.78	Average
6	0.30	9.61	9.83	16.36	35.80	60.32	24.52	QP
7	0.41	9.61	9.82	6.68	26.11	47.59	21.48	Average
8	0.41	9.61	9.82	16.50	35.93	57.59	21.66	QP
9	0.72	9.59	9.81	6.74	26.14	46.00	19.86	Average
10	0.72	9.59	9.81	11.93	31.33	56.00	24.67	QP
11	1.32	9.63	9.81	8.39	27.83	46.00	18.17	Average
12	1.32	9.63	9.81	11.75	31.19	56.00	24.81	QP



Trace: 271

Site no : 844 Shield Room Data no. : 272  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 1

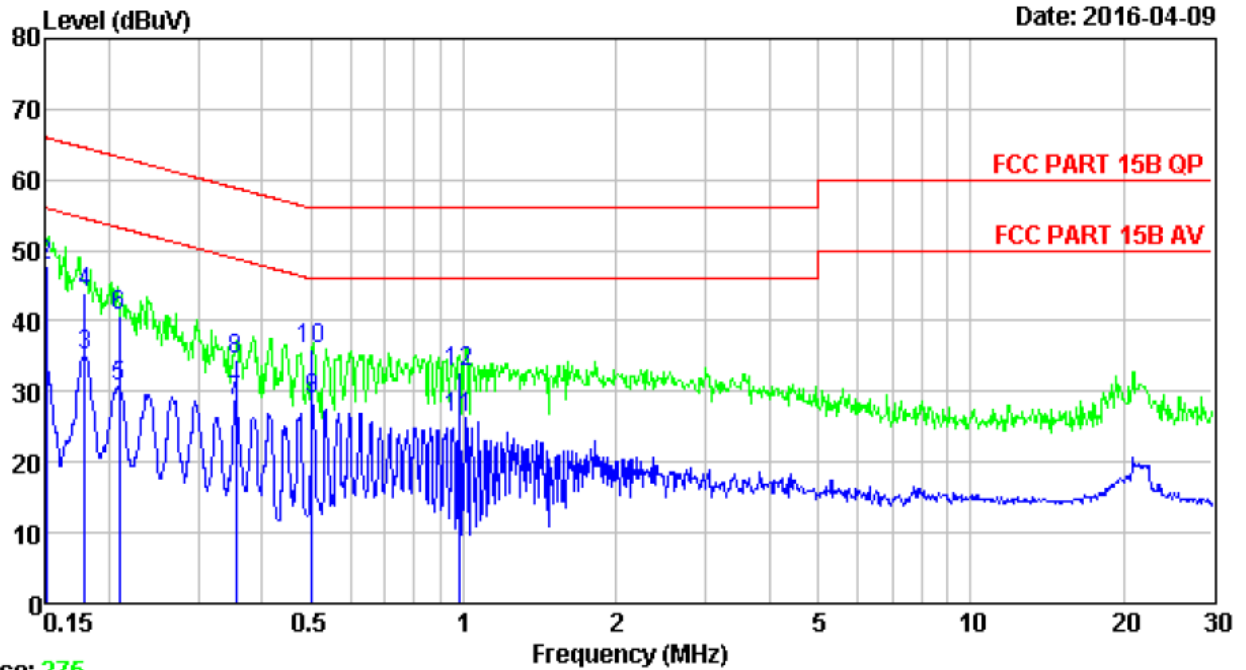
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17	9.51	9.81	17.35	36.67	55.16	18.49	Average
2	0.17	9.51	9.81	29.64	48.96	65.16	16.20	QP
3	0.35	9.59	9.83	8.46	27.88	49.05	21.17	Average
4	0.35	9.59	9.83	17.84	37.26	59.05	21.79	QP
5	0.60	9.61	9.82	6.58	26.01	46.00	19.99	Average
6	0.60	9.61	9.82	13.65	33.08	56.00	22.92	QP
7	1.14	9.61	9.81	7.61	27.03	46.00	18.97	Average
8	1.14	9.61	9.81	14.15	33.57	56.00	22.43	QP
9	1.62	9.62	9.84	6.86	26.32	46.00	19.68	Average
10	1.62	9.62	9.84	13.99	33.45	56.00	22.55	QP
11	2.00	9.62	9.83	5.30	24.75	46.00	21.25	Average
12	2.00	9.62	9.83	14.41	33.86	56.00	22.14	QP



Trace: 273

Site no : 844 Shield Room Data no. : 274  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 240V/50Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 1

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.18	9.55	9.80	16.81	36.16	54.50	18.34	Average
2	0.18	9.55	9.80	26.67	46.02	64.50	18.48	QP
3	0.27	9.60	9.83	11.02	30.45	51.20	20.75	Average
4	0.27	9.60	9.83	17.89	37.32	61.20	23.88	QP
5	0.45	9.59	9.81	10.34	29.74	46.93	17.19	Average
6	0.45	9.59	9.81	12.81	32.21	56.93	24.72	QP
7	0.83	9.62	9.81	9.49	28.92	46.00	17.08	Average
8	0.83	9.62	9.81	13.55	32.98	56.00	23.02	QP
9	0.98	9.61	9.82	8.42	27.85	46.00	18.15	Average
10	0.98	9.61	9.82	13.36	32.79	56.00	23.21	QP
11	1.42	9.62	9.82	7.34	26.78	46.00	19.22	Average
12	1.42	9.62	9.82	12.95	32.39	56.00	23.61	QP

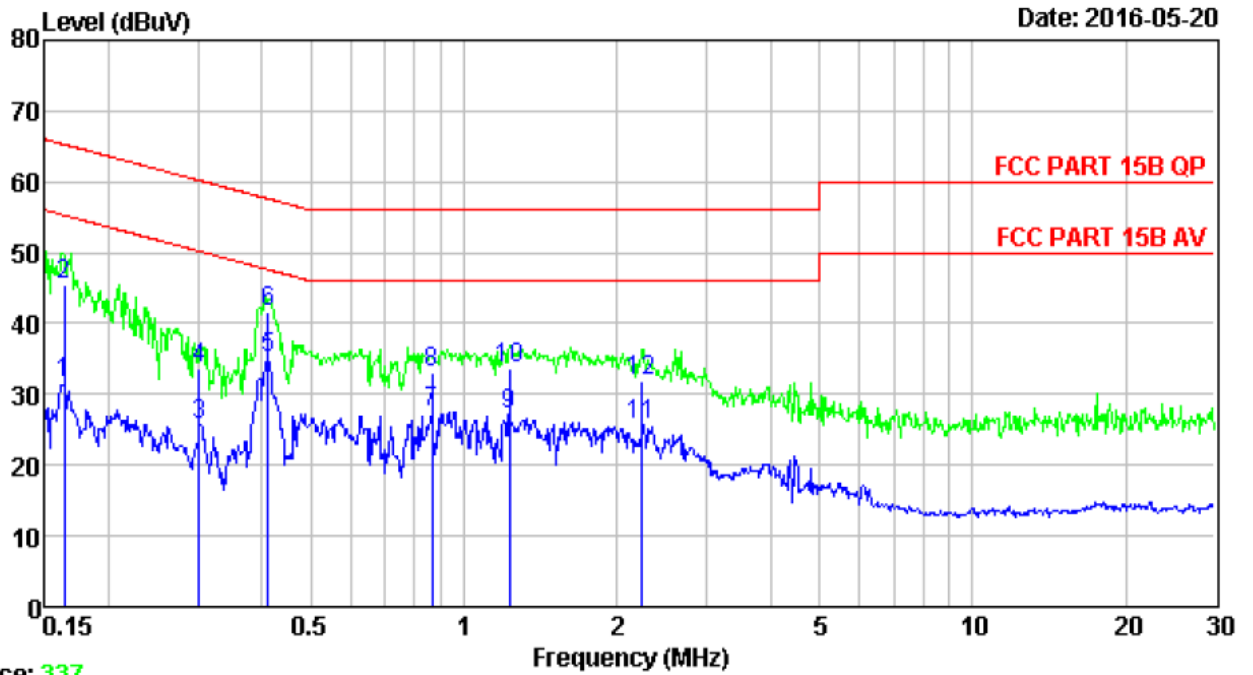


Trace: 275

Site no : 844 Shield Room Data no. : 276  
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 240V/50Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 1

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	9.61	9.81	15.33	34.75	56.00	21.25	Average
2	0.15	9.61	9.81	28.29	47.71	66.00	18.29	QP
3	0.18	9.61	9.80	15.60	35.01	54.55	19.54	Average
4	0.18	9.61	9.80	24.57	43.98	64.55	20.57	QP
5	0.21	9.61	9.80	11.31	30.72	53.23	22.51	Average
6	0.21	9.61	9.80	21.43	40.84	63.23	22.39	QP
7	0.36	9.61	9.82	9.18	28.61	48.83	20.22	Average
8	0.36	9.61	9.82	15.02	34.45	58.83	24.38	QP
9	0.50	9.61	9.81	9.59	29.01	46.00	16.99	Average
10	0.50	9.61	9.81	16.59	36.01	56.00	19.99	Peak
11	0.98	9.64	9.82	6.93	26.39	46.00	19.61	Average
12	0.98	9.64	9.82	13.40	32.86	56.00	23.14	QP

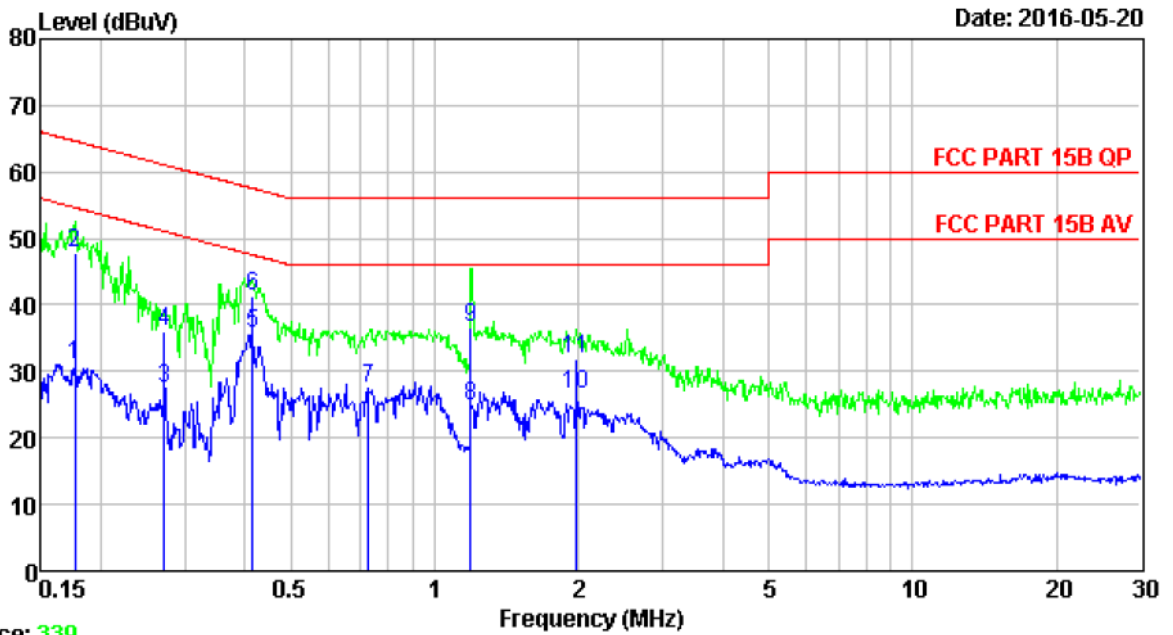




Trace: 337

Site no : 844 Shield Room Data no. : 338  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 240V/50Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 2

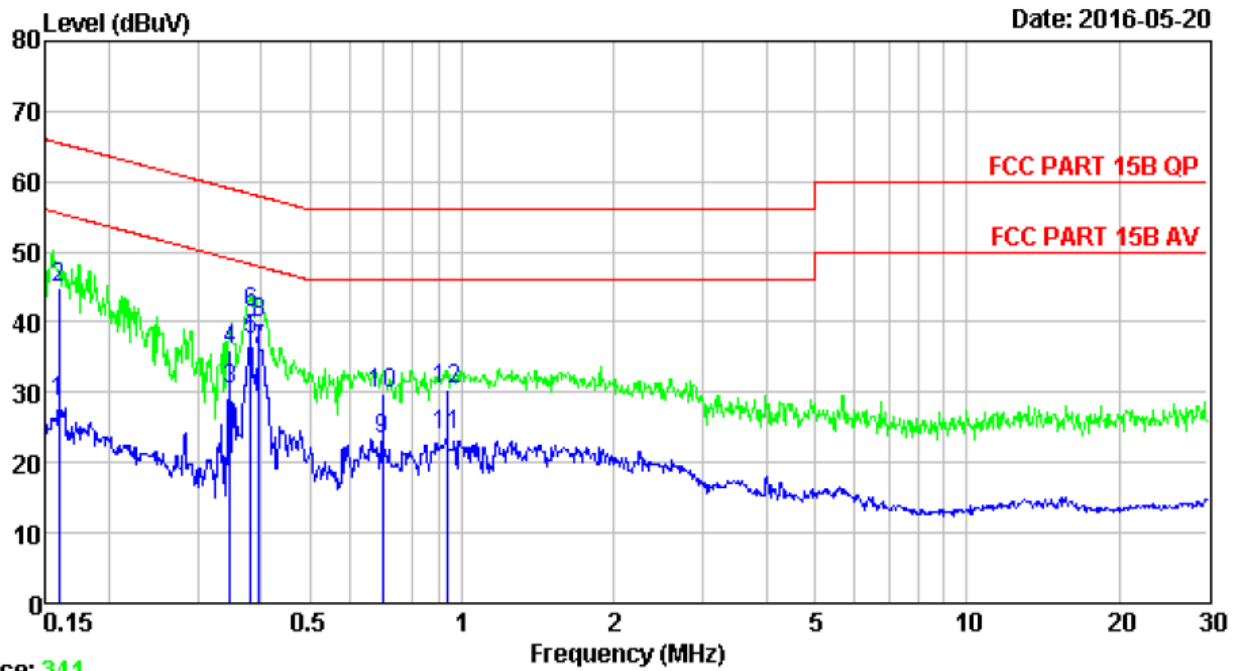
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.61	9.81	12.02	31.44	55.30	23.86	Average
2	0.16	9.61	9.81	26.18	45.60	65.30	19.70	QP
3	0.30	9.61	9.83	6.12	25.56	50.19	24.63	Average
4	0.30	9.61	9.83	14.34	33.78	60.19	26.41	QP
5	0.41	9.61	9.82	15.71	35.14	47.59	12.45	Average
6	0.41	9.61	9.82	22.16	41.59	57.59	16.00	QP
7	0.87	9.62	9.82	8.16	27.60	46.00	18.40	Average
8	0.87	9.62	9.82	13.56	33.00	56.00	23.00	QP
9	1.23	9.63	9.82	7.80	27.25	46.00	18.75	Average
10	1.23	9.63	9.82	14.25	33.70	56.00	22.30	QP
11	2.24	9.61	9.84	6.38	25.83	46.00	20.17	Average
12	2.24	9.61	9.84	12.41	31.86	56.00	24.14	QP



Trace: 339

Site no : 844 Shield Room Data no. : 340  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 240V/50Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 2

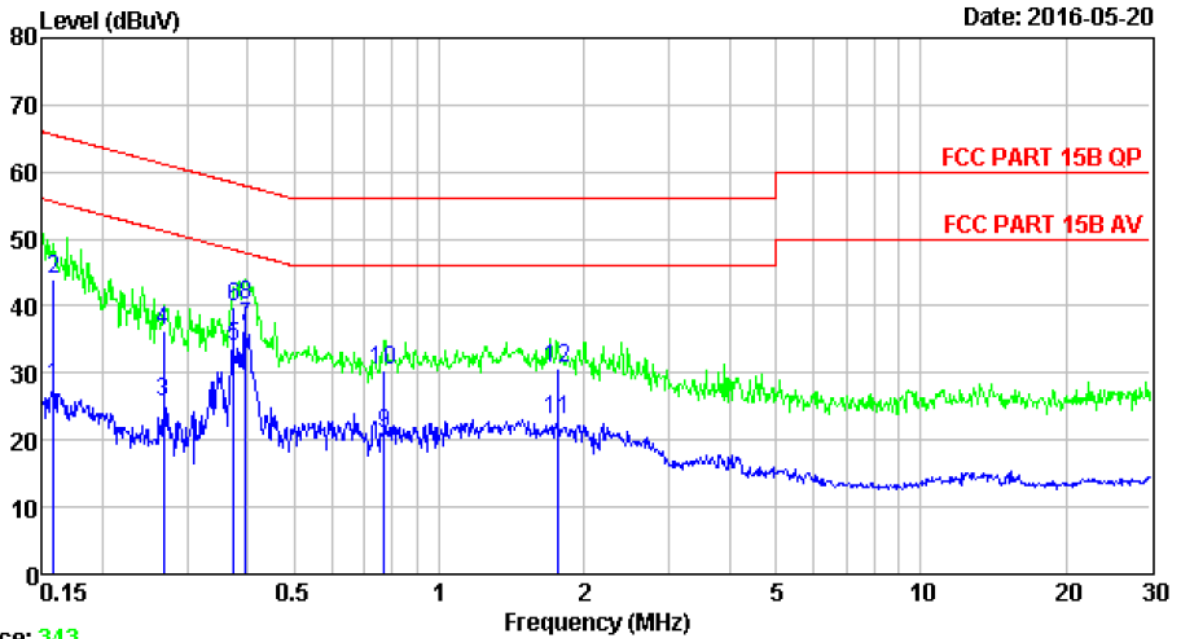
	Freq. (MHz)	LISM Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.18	9.54	9.80	11.77	31.11	54.64	23.53	Average
2	0.18	9.54	9.80	28.42	47.76	64.64	16.88	QP
3	0.27	9.60	9.83	7.94	27.37	51.07	23.70	Average
4	0.27	9.60	9.83	16.64	36.07	61.07	25.00	QP
5	0.41	9.59	9.81	16.32	35.72	47.55	11.83	Average
6	0.41	9.59	9.81	21.97	41.37	57.55	16.18	QP
7	0.73	9.63	9.81	7.93	27.37	46.00	18.63	Average
8	1.19	9.61	9.81	5.23	24.65	46.00	21.35	Average
9	1.19	9.61	9.81	17.31	36.73	56.00	19.27	QP
10	1.98	9.62	9.83	7.20	26.65	46.00	19.35	Average
11	1.98	9.62	9.83	12.58	32.03	56.00	23.97	QP



Trace: 341

Site no : 844 Shield Room Data no. : 342  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 2

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.16	9.61	9.81	9.11	28.53	55.52	26.99	Average
2	0.16	9.61	9.81	25.31	44.73	65.52	20.79	QP
3	0.35	9.61	9.83	11.07	30.51	49.05	18.54	Average
4	0.35	9.61	9.83	16.67	36.11	59.05	22.94	QP
5	0.38	9.61	9.82	18.04	37.47	48.25	10.78	Average
6	0.38	9.61	9.82	21.95	41.38	58.25	16.87	QP
7	0.40	9.61	9.82	16.71	36.14	47.95	11.81	Average
8	0.40	9.61	9.82	20.45	39.88	57.95	18.07	QP
9	0.70	9.59	9.81	3.95	23.35	46.00	22.65	Average
10	0.70	9.59	9.81	10.32	29.72	56.00	26.28	QP
11	0.93	9.63	9.82	4.36	23.81	46.00	22.19	Average
12	0.93	9.63	9.82	10.89	30.34	56.00	25.66	QP



Trace: 343  
 Site no : 844 Shield Room Data no. : 344  
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Tony  
 EUT : Portable Bluetooth Speaker  
 Power : DC 18V From Adapter Input AC 120V/60Hz  
 M/N : DS6  
 Test Mode : TX Mode  
 Adapter 2

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.48	9.81	8.87	28.16	55.56	27.40	Average
2	0.16	9.48	9.81	24.75	44.04	65.56	21.52	QP
3	0.27	9.60	9.83	6.14	25.57	51.20	25.63	Average
4	0.27	9.60	9.83	16.86	36.29	61.20	24.91	QP
5	0.38	9.59	9.82	14.56	33.97	48.39	14.42	Average
6	0.38	9.59	9.82	20.50	39.91	58.39	18.48	QP
7	0.40	9.59	9.82	17.57	36.98	47.95	10.97	Average
8	0.40	9.59	9.82	20.62	40.03	57.95	17.92	QP
9	0.77	9.62	9.81	1.56	20.99	46.00	25.01	Average
10	0.77	9.62	9.81	11.02	30.45	56.00	25.55	QP
11	1.76	9.62	9.82	3.65	23.09	46.00	22.91	Average
12	1.76	9.62	9.82	11.26	30.70	56.00	25.30	QP

## 12. ANTENNA REQUIREMENTS

### 12.1. 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.

### 12.2. 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 0dBi.