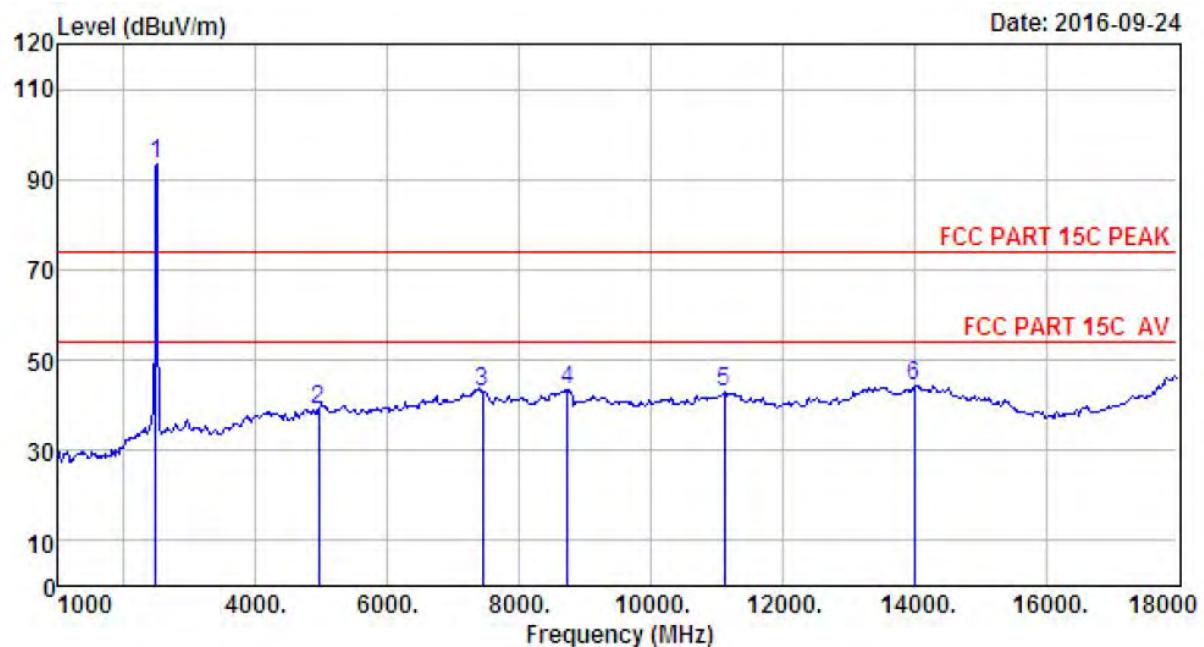


Site no. : 966 1# chamber Data no. : 238
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2441MHz

	Ant.	Cable	Amp	Emission					
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1 2441.00	27.60	6.67	34.85	94.73	94.15	74.00	-20.15	Peak	
2 4882.00	31.37	12.07	35.76	31.32	39.00	74.00	35.00	Peak	
3 7323.00	36.55	11.57	34.14	29.78	43.76	74.00	30.24	Peak	
4 8684.00	37.32	11.45	33.66	28.18	43.29	74.00	30.71	Peak	
5 11234.00	39.37	11.12	33.25	25.78	43.02	74.00	30.98	Peak	
6 14005.00	41.46	10.90	33.01	25.44	44.79	74.00	29.21	Peak	

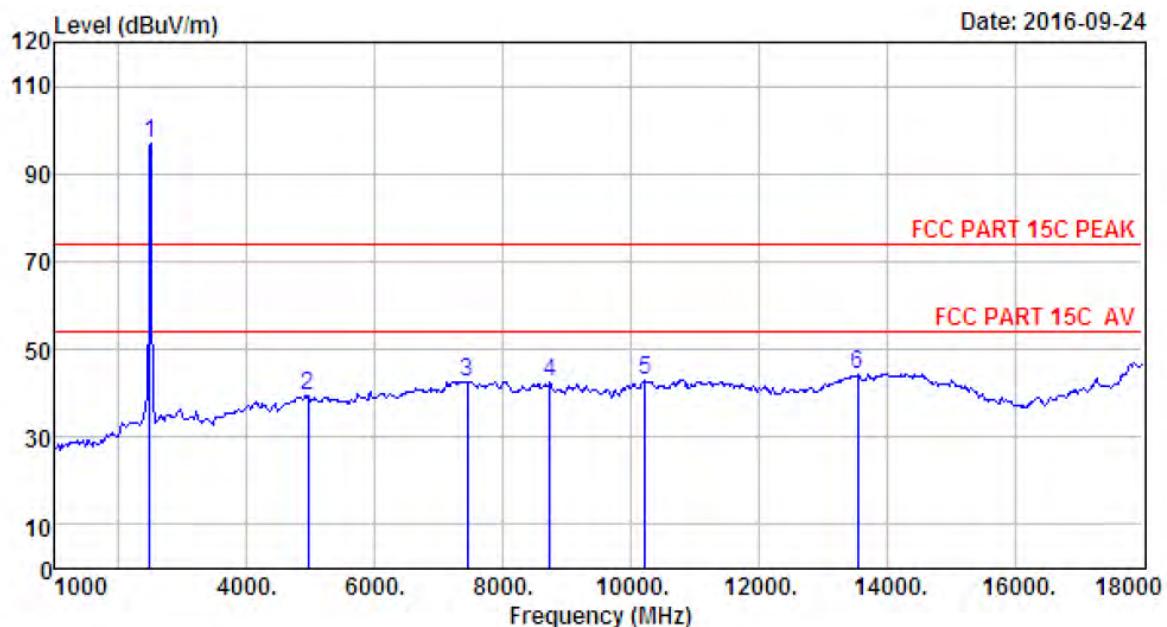
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 239
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission			Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 2480.00	27.58	6.71	35.11	94.06	93.24	74.00	-19.24	Peak
2 4960.00	31.49	12.44	36.01	31.25	39.17	74.00	34.83	Peak
3 7440.00	36.54	11.61	34.22	28.96	42.89	74.00	31.11	Peak
4 8735.00	37.40	11.45	33.76	28.29	43.38	74.00	30.62	Peak
5 11115.00	39.44	11.20	33.55	25.65	42.74	74.00	31.26	Peak
6 14005.00	41.46	10.90	33.01	24.96	44.31	74.00	29.69	Peak

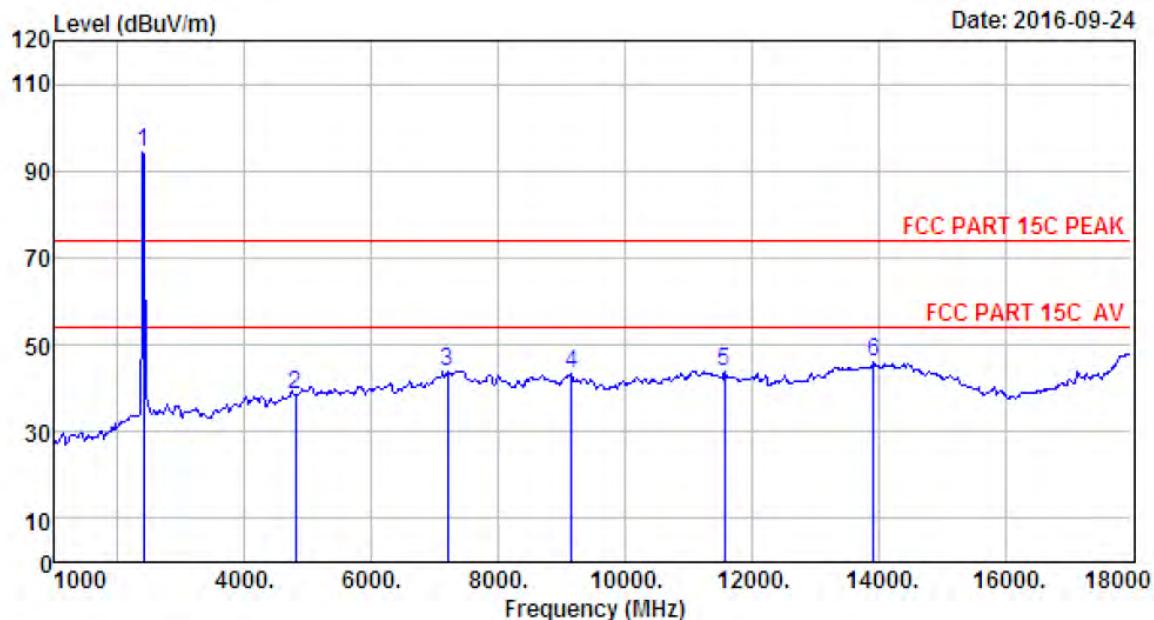
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 240
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2480.00	27.58	6.71	35.11	97.62	96.80	74.00	-22.80	Peak
2 4960.00	31.49	12.44	36.01	31.65	39.57	74.00	34.43	Peak
3 7440.00	36.54	11.61	34.22	28.45	42.38	74.00	31.62	Peak
4 8735.00	37.40	11.45	33.76	27.36	42.45	74.00	31.55	Peak
5 10214.00	38.48	11.47	34.50	27.32	42.77	74.00	31.23	Peak
6 13546.00	40.21	11.44	32.61	25.04	44.08	74.00	29.92	Peak

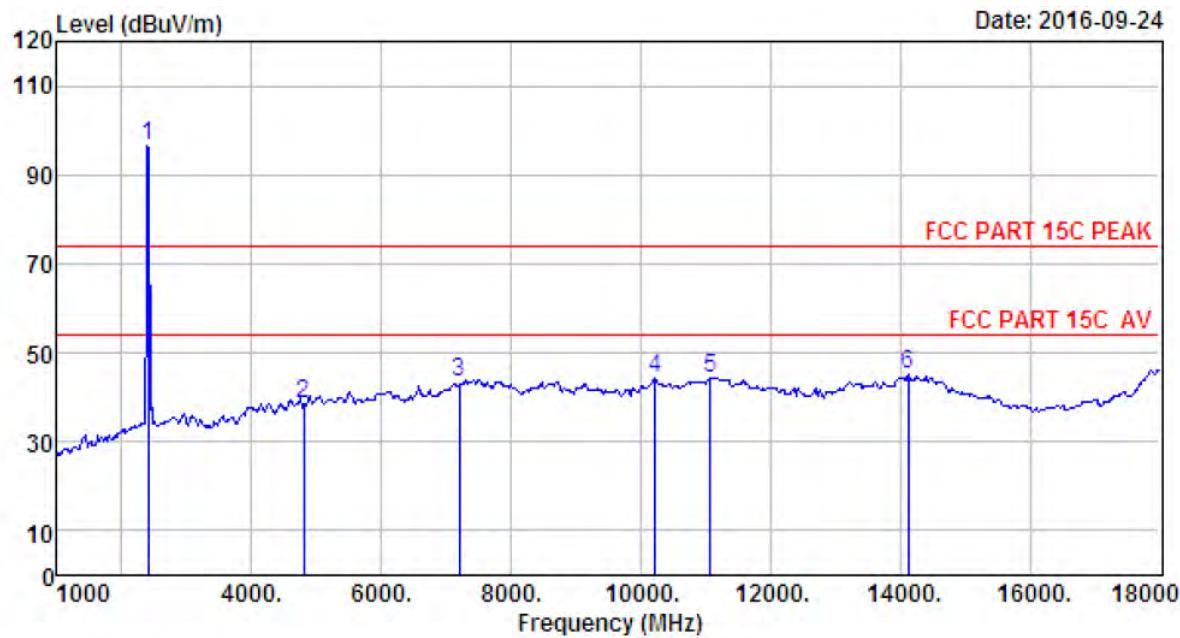
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 241
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK 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	34.64	94.57	94.16	74.00	-20.16	Peak
2	4804.00	31.25	11.77	35.64	31.09	38.47	74.00	35.53	Peak
3	7206.00	36.52	11.54	33.95	29.94	44.05	74.00	29.95	Peak
4	9160.00	37.69	11.54	34.07	28.38	43.54	74.00	30.46	Peak
5	11574.00	39.12	10.99	33.27	27.00	43.84	74.00	30.16	Peak
6	13920.00	41.26	11.00	33.00	26.59	45.85	74.00	28.15	Peak

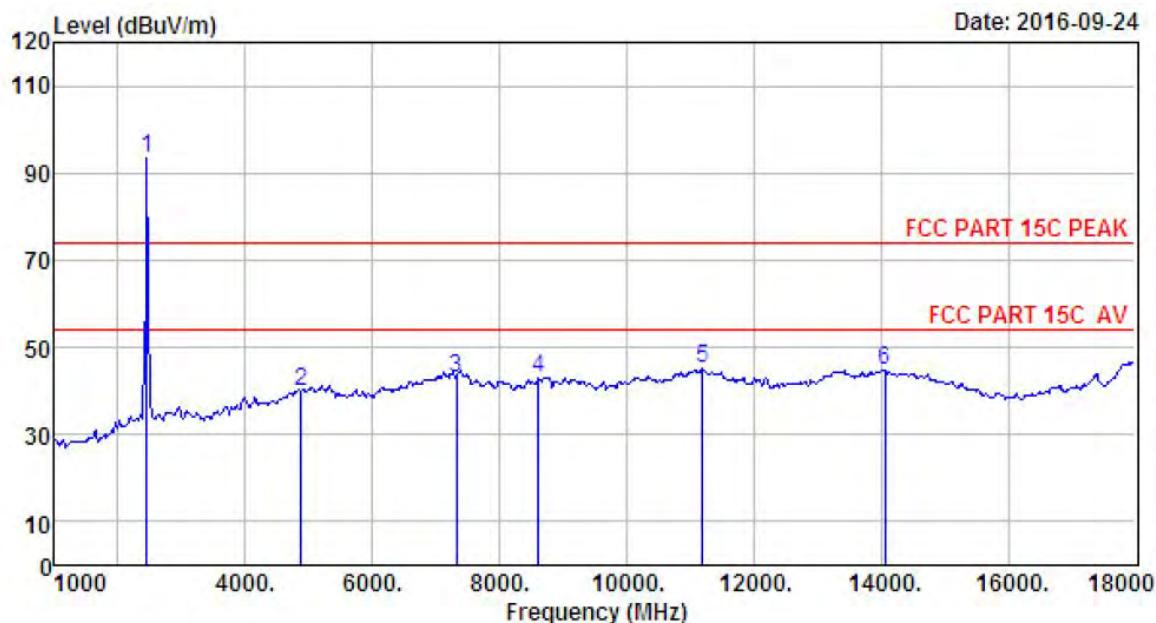
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 242
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : (n/4)DQPSK TX 2402MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission			Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 2402.00	27.61	6.62	34.64	96.97	96.56	74.00	-22.56	Peak
2 4804.00	31.25	11.77	35.64	31.04	38.42	74.00	35.58	Peak
3 7206.00	36.52	11.54	33.95	29.43	43.54	74.00	30.46	Peak
4 10214.00	38.48	11.47	34.50	28.83	44.28	74.00	29.72	Peak
5 11064.00	39.48	11.24	33.83	27.44	44.33	74.00	29.67	Peak
6 14124.00	41.57	10.91	33.22	26.08	45.34	74.00	28.66	Peak

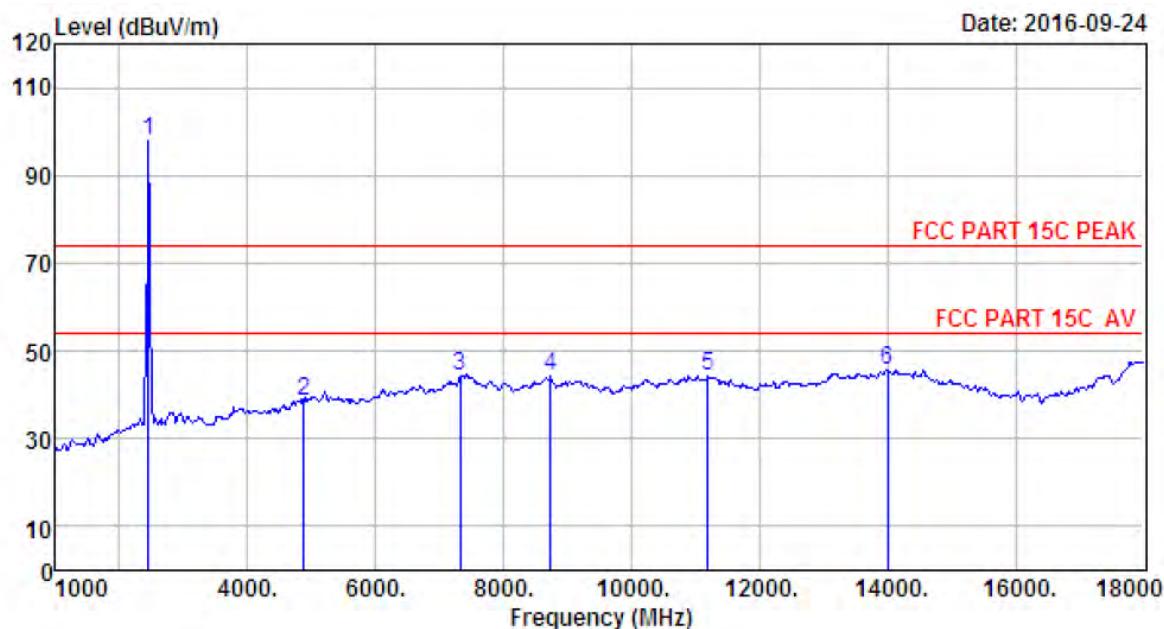
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 243
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2441MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.00	27.60	6.67	34.85	93.83	93.25	74.00	-19.25	Peak
2 4882.00	31.37	12.07	35.76	32.16	39.84	74.00	34.16	Peak
3 7323.00	36.55	11.57	34.14	29.01	42.99	74.00	31.01	Peak
4 8616.00	37.22	11.45	33.77	28.26	43.16	74.00	30.84	Peak
5 11200.00	39.39	11.14	33.24	27.94	45.23	74.00	28.77	Peak
6 14056.00	41.51	10.90	33.06	25.40	44.75	74.00	29.25	Peak

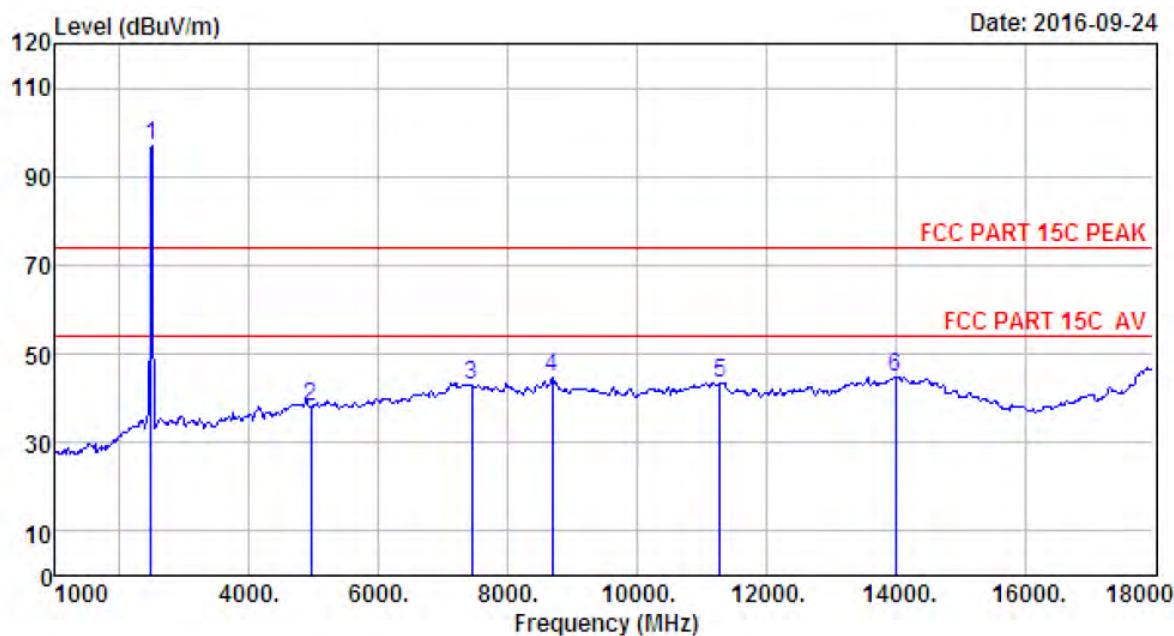
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 244
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : $(\pi/4)$ DQPSK TX 2441MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission				Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2441.00	27.60	6.67	34.85	98.39	97.81	74.00	-23.81	Peak	
2 4882.00	31.37	12.07	35.76	31.02	38.70	74.00	35.30	Peak	
3 7323.00	36.55	11.57	34.14	30.47	44.45	74.00	29.55	Peak	
4 8735.00	37.40	11.45	33.76	29.02	44.11	74.00	29.89	Peak	
5 11200.00	39.39	11.14	33.24	26.90	44.19	74.00	29.81	Peak	
6 14005.00	41.46	10.90	33.01	26.31	45.66	74.00	28.34	Peak	

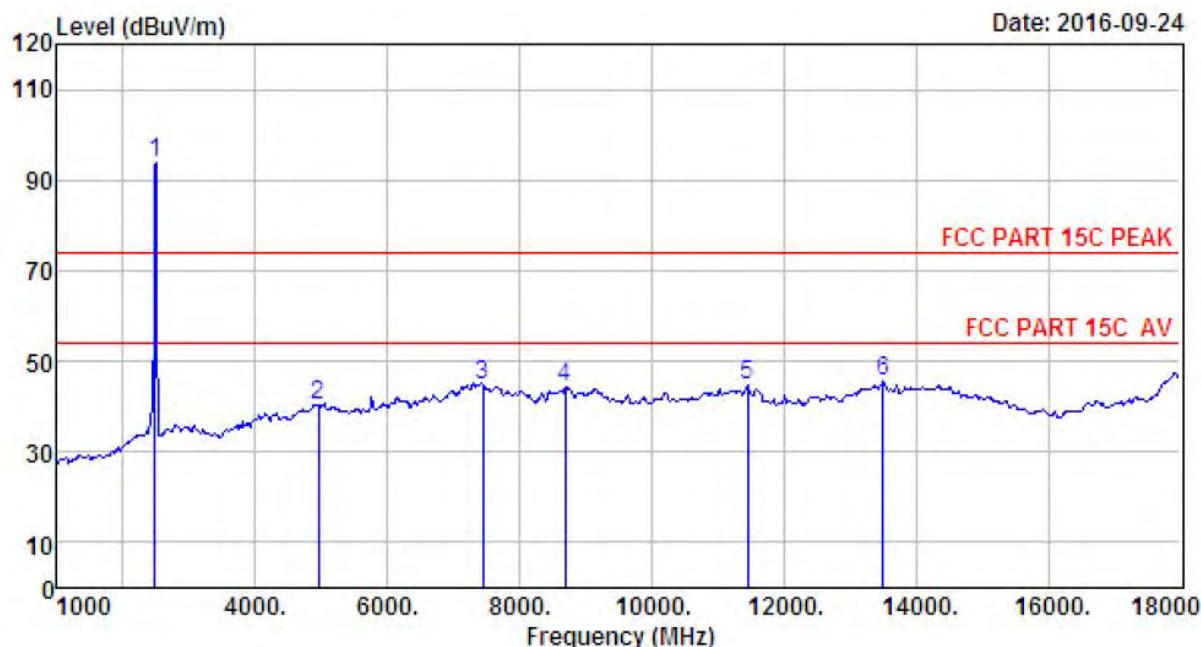
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : site Data no. : 245
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2480MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission			Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 2480.00	27.58	6.71	35.11	97.70	96.88	74.00	-22.88	Peak
2 4960.00	31.49	12.44	36.01	30.14	38.06	74.00	35.94	Peak
3 7440.00	36.54	11.61	34.22	28.83	42.76	74.00	31.24	Peak
4 8684.00	37.32	11.45	33.66	29.56	44.67	74.00	29.33	Peak
5 11285.00	39.33	11.08	33.32	26.38	43.47	74.00	30.53	Peak
6 14005.00	41.46	10.90	33.01	25.49	44.84	74.00	29.16	Peak

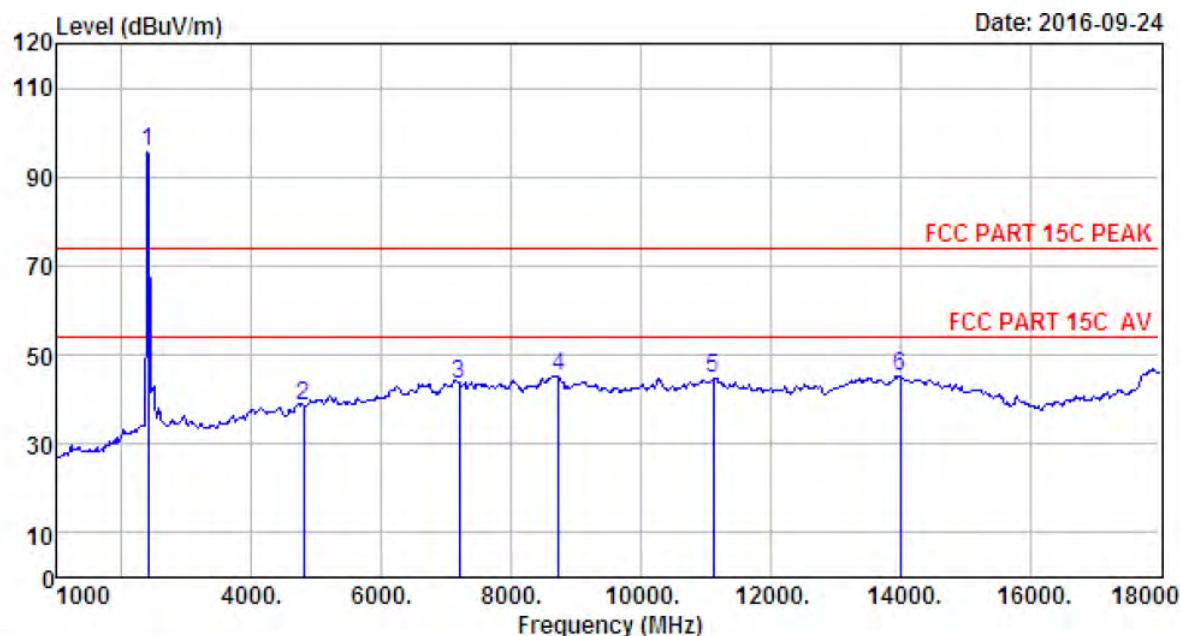
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 246
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK 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	35.11	94.62	93.80	74.00	-19.80	Peak
2	4960.00	31.49	12.44	36.01	32.22	40.14	74.00	33.86	Peak
3	7440.00	36.54	11.61	34.22	30.74	44.67	74.00	29.33	Peak
4	8684.00	37.32	11.45	33.66	29.17	44.28	74.00	29.72	Peak
5	11455.00	39.23	10.96	33.53	27.89	44.55	74.00	29.45	Peak
6	13495.00	40.07	11.50	32.65	26.71	45.63	74.00	28.37	Peak

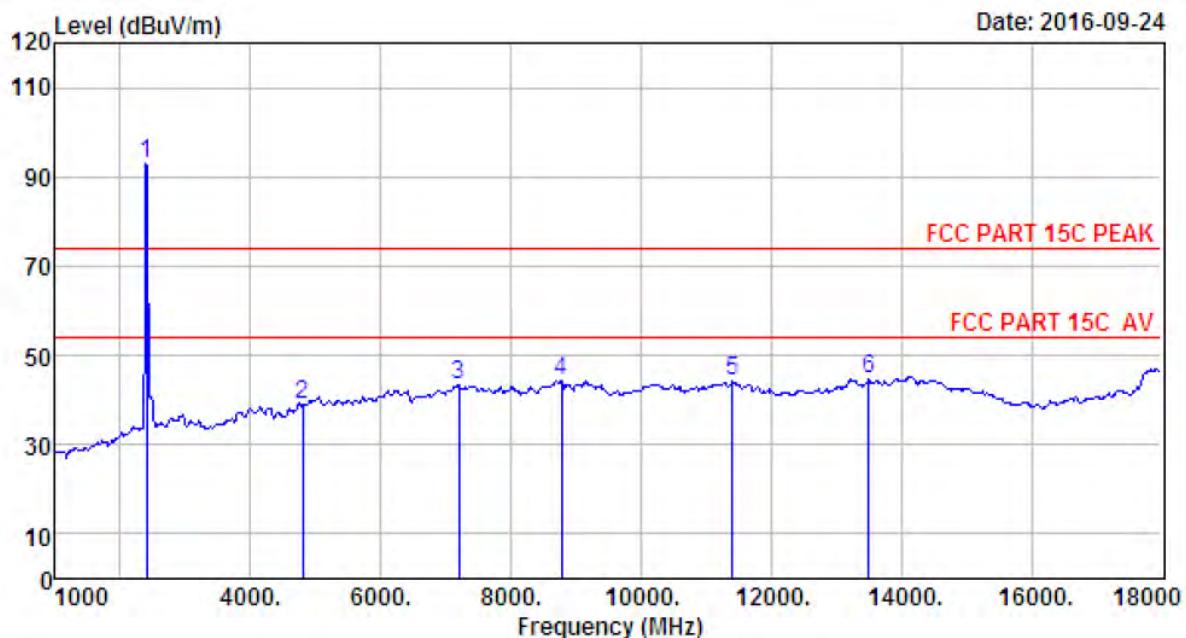
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 247
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2402MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission				Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2402.00	27.61	6.62	34.64	95.95	95.54	74.00	-21.54	Peak	
2 4804.00	31.25	11.77	35.64	31.28	38.66	74.00	35.34	Peak	
3 7206.00	36.52	11.54	33.95	29.44	43.55	74.00	30.45	Peak	
4 8735.00	37.40	11.45	33.76	30.30	45.39	74.00	28.61	Peak	
5 11115.00	39.44	11.20	33.55	27.61	44.70	74.00	29.30	Peak	
6 14005.00	41.46	10.90	33.01	26.03	45.38	74.00	28.62	Peak	

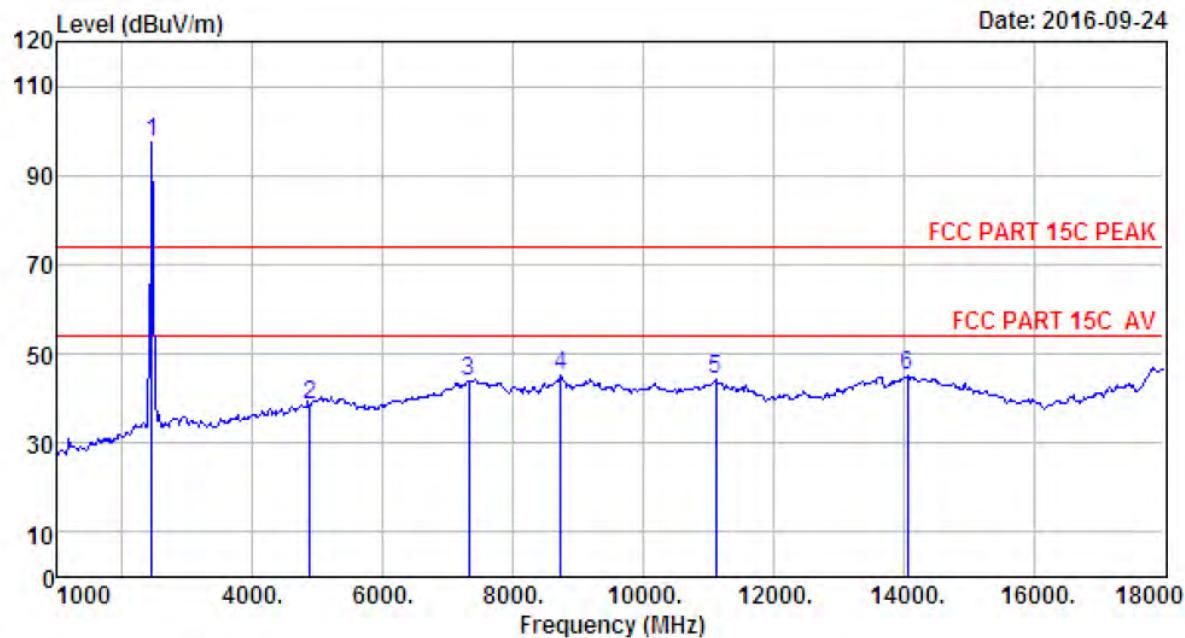
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 248
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2402MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2402.00	27.61	6.62	34.64	93.34	92.93	74.00	-18.93	Peak	
2 4804.00	31.25	11.77	35.64	31.57	38.95	74.00	35.05	Peak	
3 7206.00	36.52	11.54	33.95	29.28	43.39	74.00	30.61	Peak	
4 8786.00	37.48	11.46	33.90	29.32	44.36	74.00	29.64	Peak	
5 11404.00	39.25	10.99	33.57	27.40	44.07	74.00	29.93	Peak	
6 13495.00	40.07	11.50	32.65	25.60	44.52	74.00	29.48	Peak	

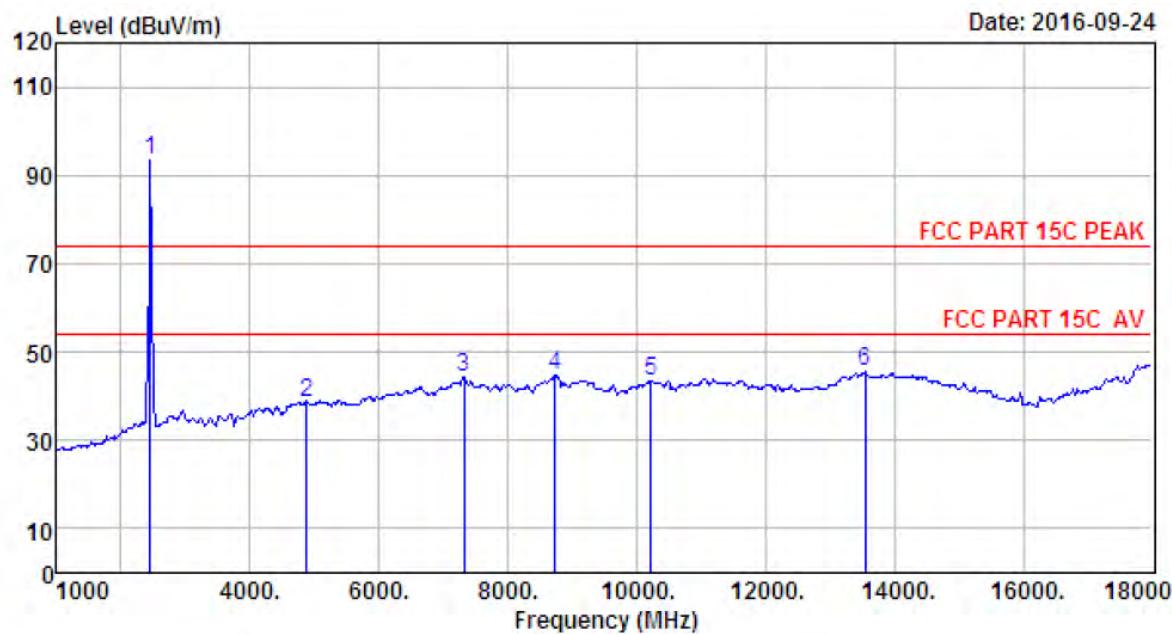
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 249
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2441MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission				Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2441.00	27.60	6.67	34.85	98.09	97.51	74.00	-23.51	Peak	
2 4882.00	31.37	12.07	35.76	31.02	38.70	74.00	35.30	Peak	
3 7323.00	36.55	11.57	34.14	29.90	43.88	74.00	30.12	Peak	
4 8735.00	37.40	11.45	33.76	29.88	44.97	74.00	29.03	Peak	
5 111115.00	39.44	11.20	33.55	26.99	44.08	74.00	29.92	Peak	
6 14056.00	41.51	10.90	33.06	25.62	44.97	74.00	29.03	Peak	

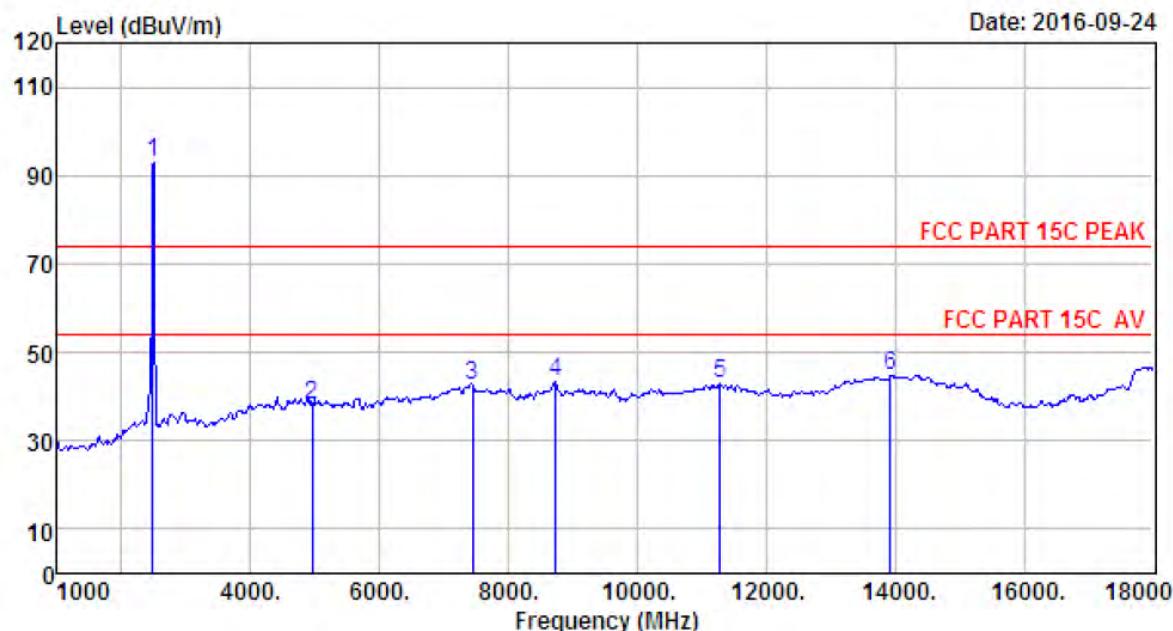
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 250
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2441MHz

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2441.00	27.60	6.67	34.85	94.13	93.55	74.00	-19.55	Peak
2	4882.00	31.37	12.07	35.76	30.89	38.57	74.00	35.43	Peak
3	7323.00	36.55	11.57	34.14	30.44	44.42	74.00	29.58	Peak
4	8735.00	37.40	11.45	33.76	29.67	44.76	74.00	29.24	Peak
5	10214.00	38.48	11.47	34.50	28.12	43.57	74.00	30.43	Peak
6	13546.00	40.21	11.44	32.61	26.45	45.49	74.00	28.51	Peak

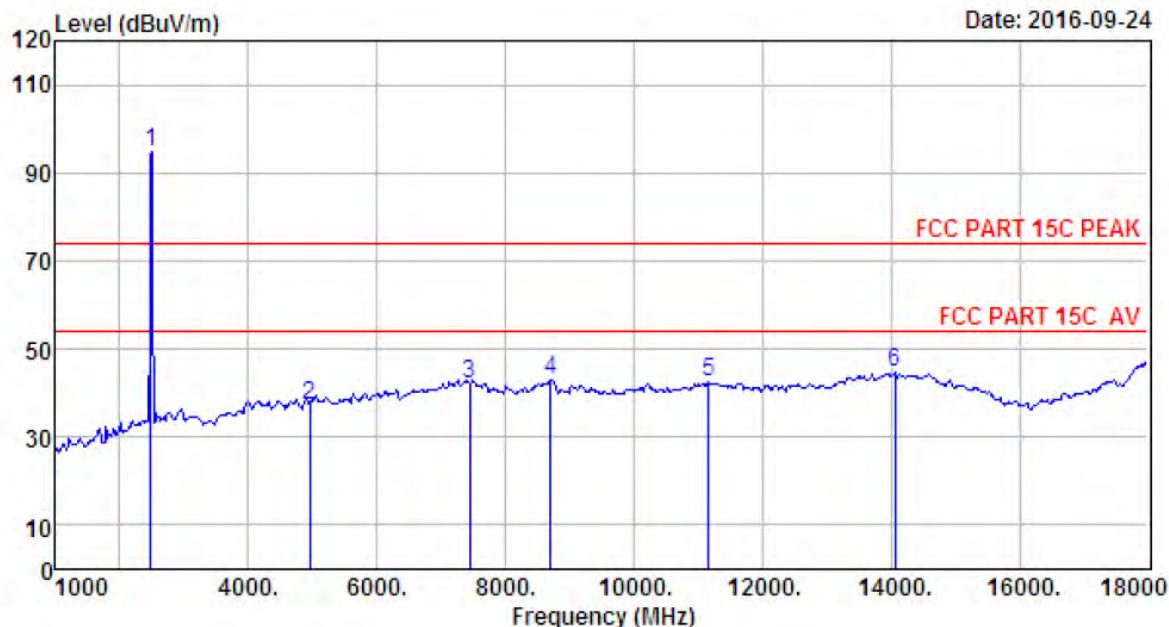
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 251
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2480MHz

Freq. (MHz)	Ant.	Cable	Amp	Emission			Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 2480.00	27.58	6.71	35.11	93.63	92.81	74.00	-18.81	Peak
2 4960.00	31.49	12.44	36.01	30.32	38.24	74.00	35.76	Peak
3 7440.00	36.54	11.61	34.22	28.51	42.44	74.00	31.56	Peak
4 8735.00	37.40	11.45	33.76	28.15	43.24	74.00	30.76	Peak
5 11285.00	39.33	11.08	33.32	25.89	42.98	74.00	31.02	Peak
6 13920.00	41.26	11.00	33.00	25.54	44.80	74.00	29.20	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. : 966 1# chamber Data no. : 252
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	95.74	94.92	74.00	-20.92	Peak
2	4960.00	31.49	12.44	36.01	29.37	37.29	74.00	36.71	Peak
3	7440.00	36.54	11.61	34.22	28.30	42.23	74.00	31.77	Peak
4	8701.00	37.35	11.45	33.65	27.72	42.87	74.00	31.13	Peak
5	11166.00	39.41	11.17	33.31	25.23	42.50	74.00	31.50	Peak
6	14056.00	41.51	10.90	33.06	25.40	44.75	74.00	29.25	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.

18000MHz – 25000MHz

Pass

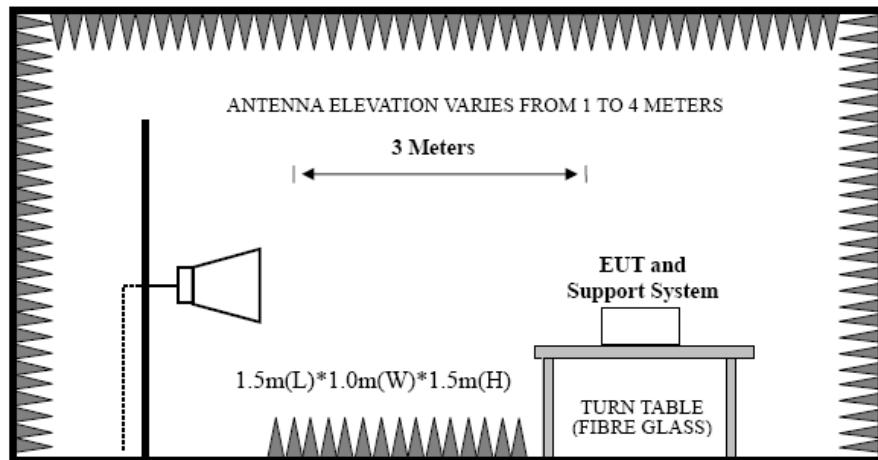
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

9. BAND EDGE COMPLIANCE

9.1. 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.

9.2. Block Diagram of Test setup



9.3. Test Procedure

EUT was placed on a turn table, which is 1.5 m 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

Peak : RBW = 1MHz, VBW = 1MHz, Detector=PEAK detector, Sweep time = auto.
AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto.

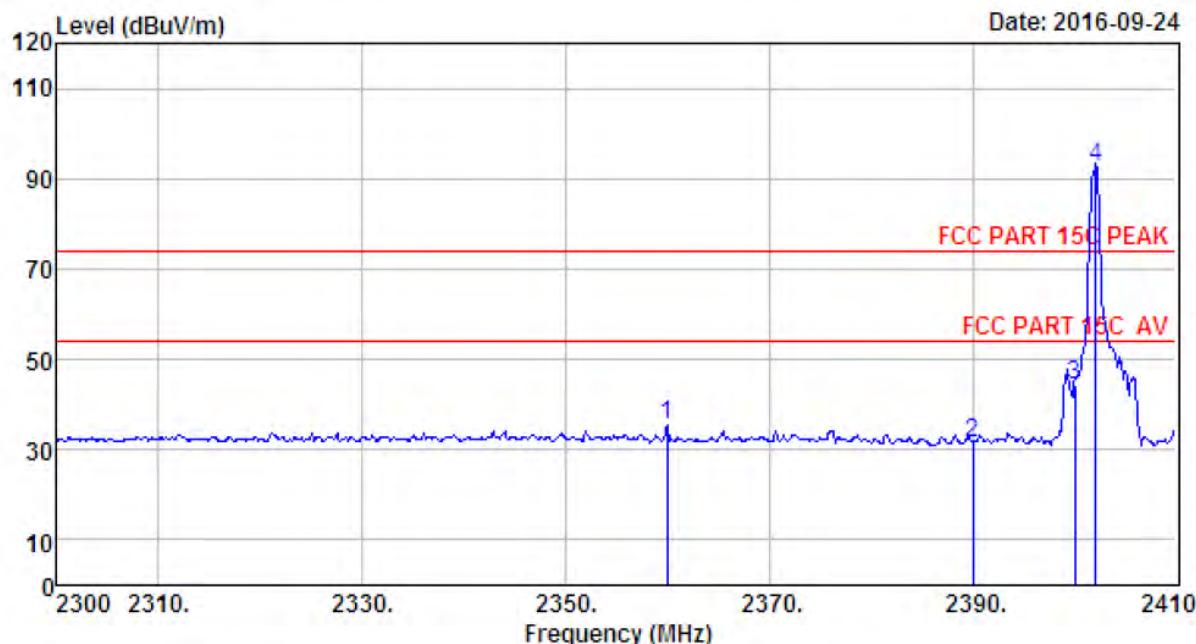
9.4. Test Result

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.

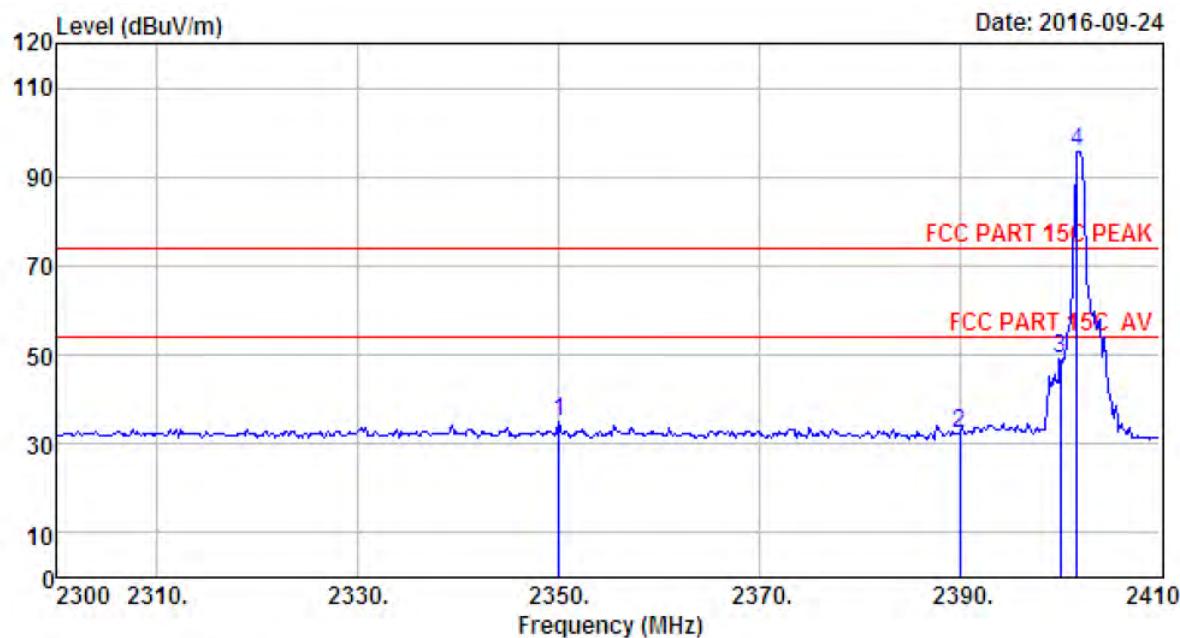
9.5. Test Data



Site no. : 966 1# chamber Data no. : 253
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2402MHz (No Hopping)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2359.95	27.67	6.58	34.57	35.68	35.36	74.00	38.64	Peak
2	2390.00	27.64	6.62	34.62	31.88	31.52	74.00	42.48	Peak
3	2400.00	27.61	6.62	34.64	44.70	44.29	74.00	29.71	Peak
4	2402.08	27.61	6.62	34.64	92.90	92.49	74.00	-18.49	Peak

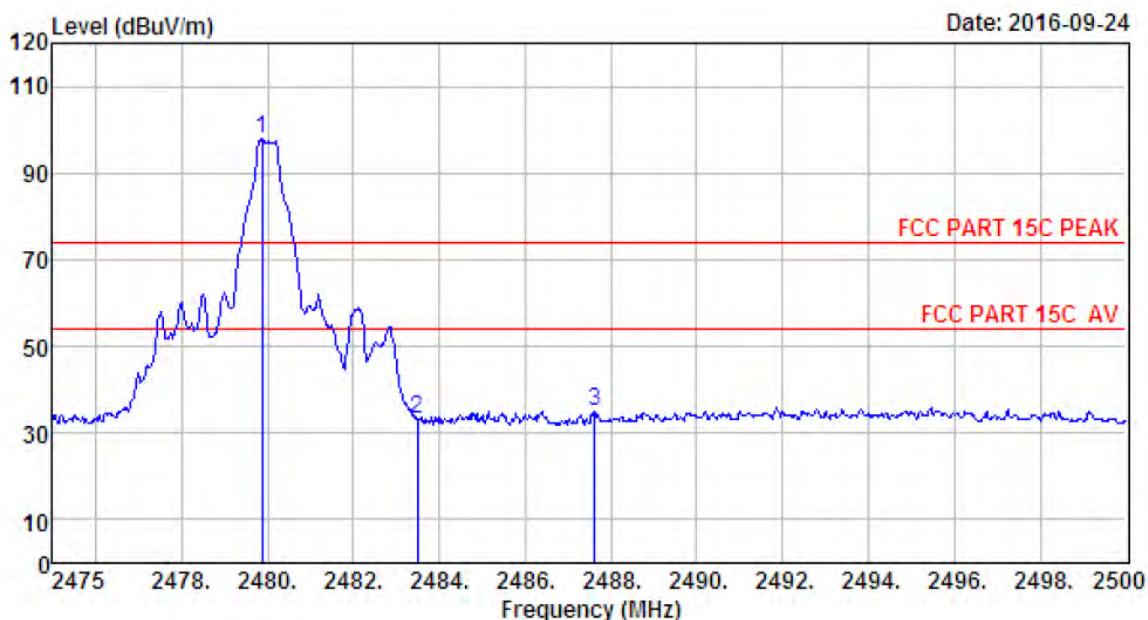
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 254
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 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	2350.05	27.70	6.56	34.57	35.31	35.00	74.00	39.00	Peak
2	2390.00	27.64	6.62	34.62	32.69	32.33	74.00	41.67	Peak
3	2400.00	27.61	6.62	34.64	49.58	49.17	74.00	24.83	Peak
4	2401.75	27.61	6.62	34.64	96.08	95.67	74.00	-21.67	Peak

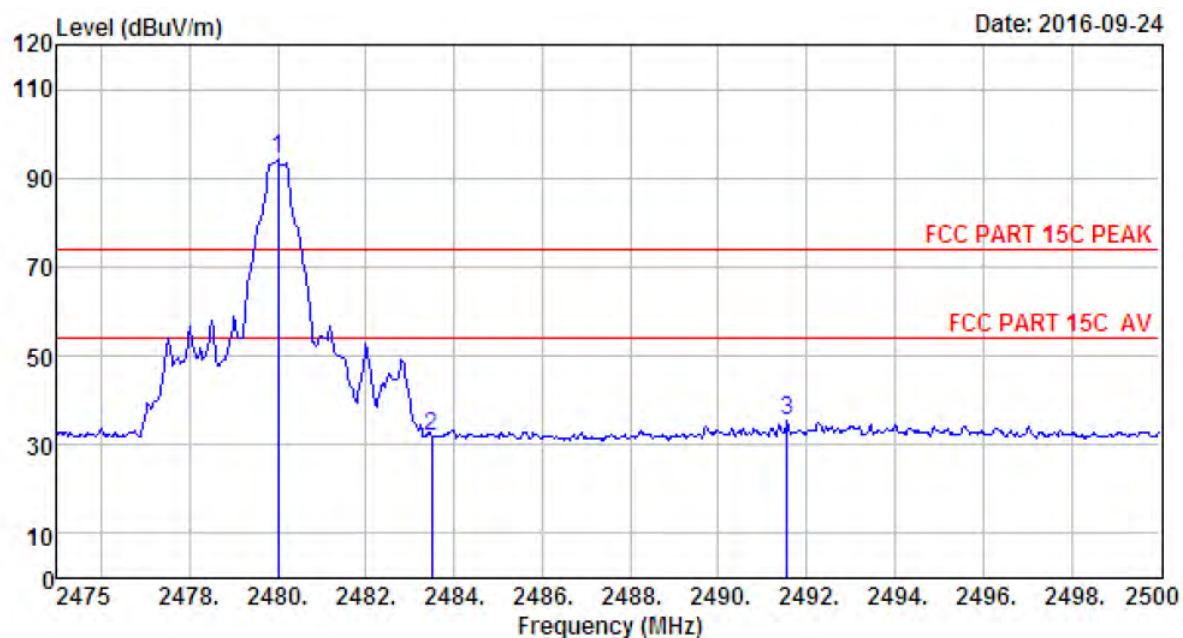
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 255
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK 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 2479.88	27.58	6.71	35.11	98.57	97.75	74.00	-23.75	Peak
2 2483.50	27.58	6.71	35.11	34.00	33.18	74.00	40.82	Peak
3 2487.63	27.58	6.73	35.11	35.81	35.01	74.00	38.99	Peak

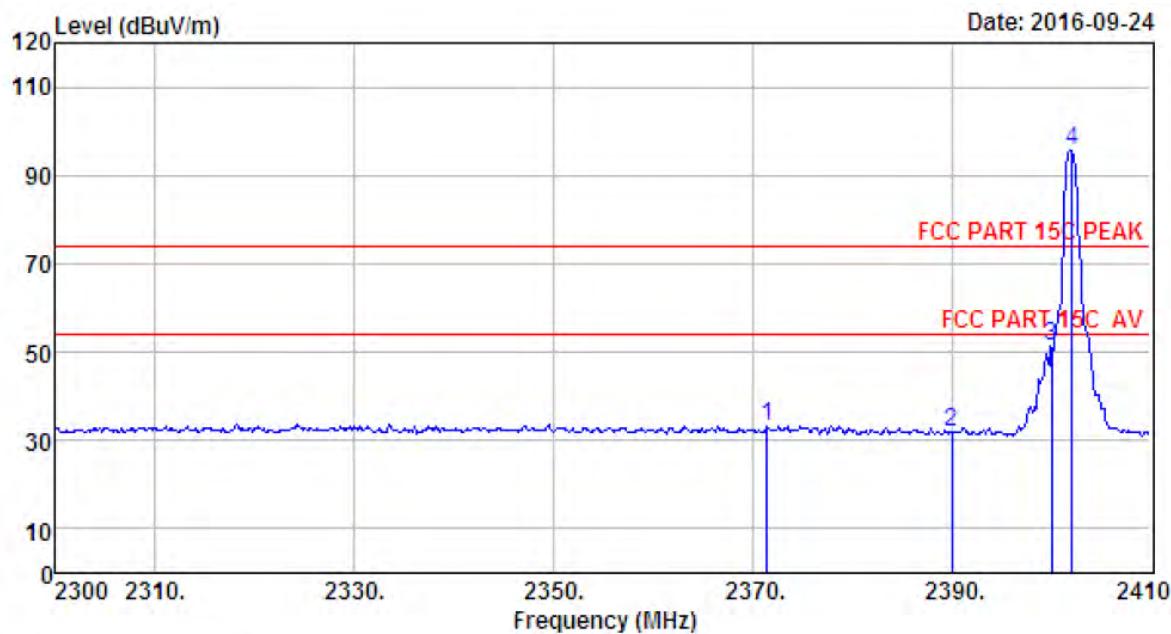
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 256
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2480MHz (No Hopping)

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2480.00	27.58	6.71	35.11	94.93	94.11	74.00	-20.11 Peak	
2	2483.50	27.58	6.71	35.11	32.58	31.76	74.00	42.24 Peak	
3	2491.55	27.58	6.73	35.24	36.46	35.53	74.00	38.47 Peak	

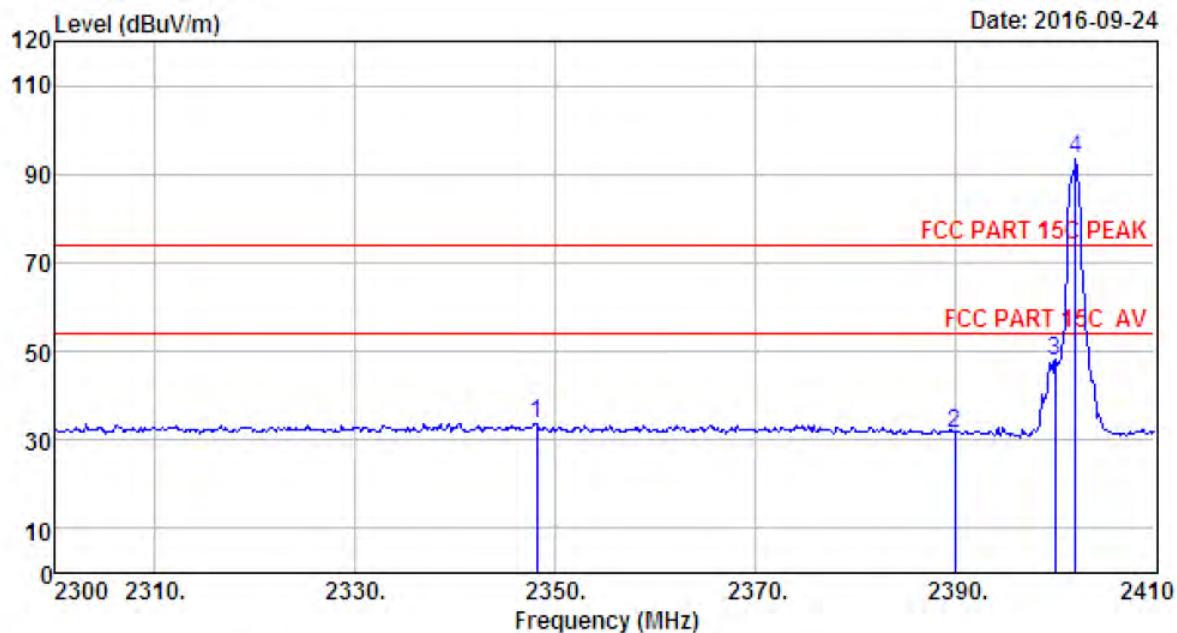
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 257
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2402MHz (No Hopping)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2371.50	27.67	6.60	34.59	33.75	33.43	74.00	40.57	Peak
2	2390.00	27.64	6.62	34.62	32.29	31.93	74.00	42.07	Peak
3	2400.00	27.61	6.62	34.64	51.88	51.47	74.00	22.53	Peak
4	2402.08	27.61	6.62	34.64	96.03	95.62	74.00	-21.62	Peak

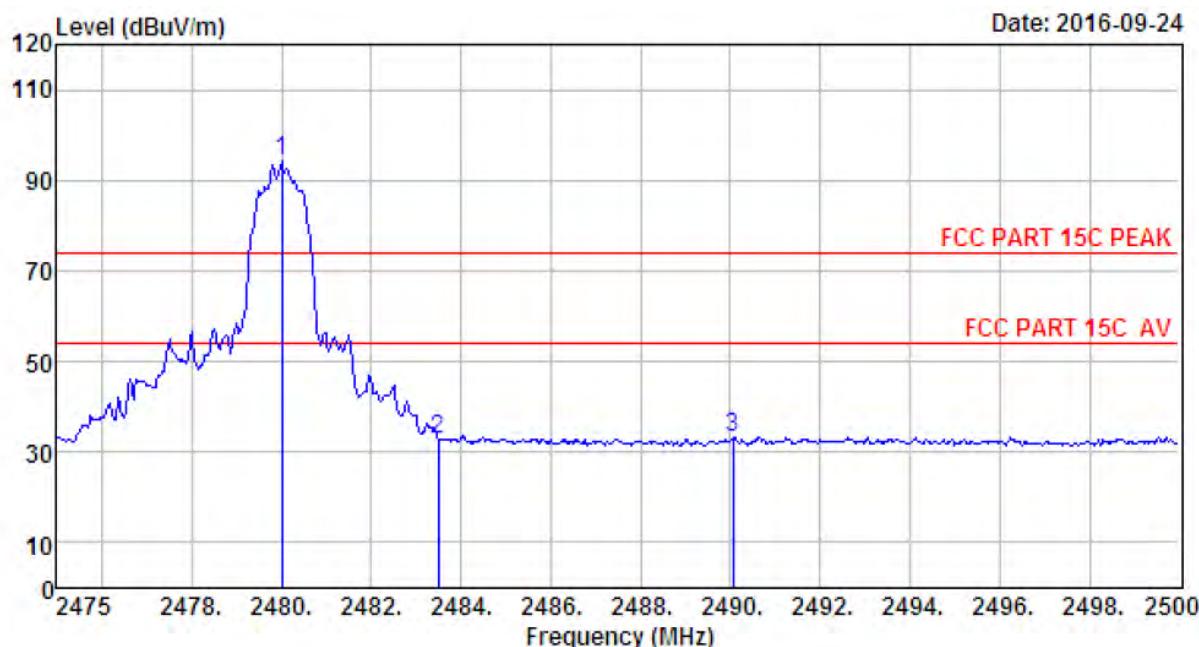
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 258
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2402MHz (No Hopping)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2348.18	27.70	6.56	34.57	34.06	33.75	74.00	40.25	Peak	
2 2390.00	27.64	6.62	34.62	31.81	31.45	74.00	42.55	Peak	
3 2400.00	27.61	6.62	34.64	48.08	47.67	74.00	26.33	Peak	
4 2402.08	27.61	6.62	34.64	93.78	93.37	74.00	-19.37	Peak	

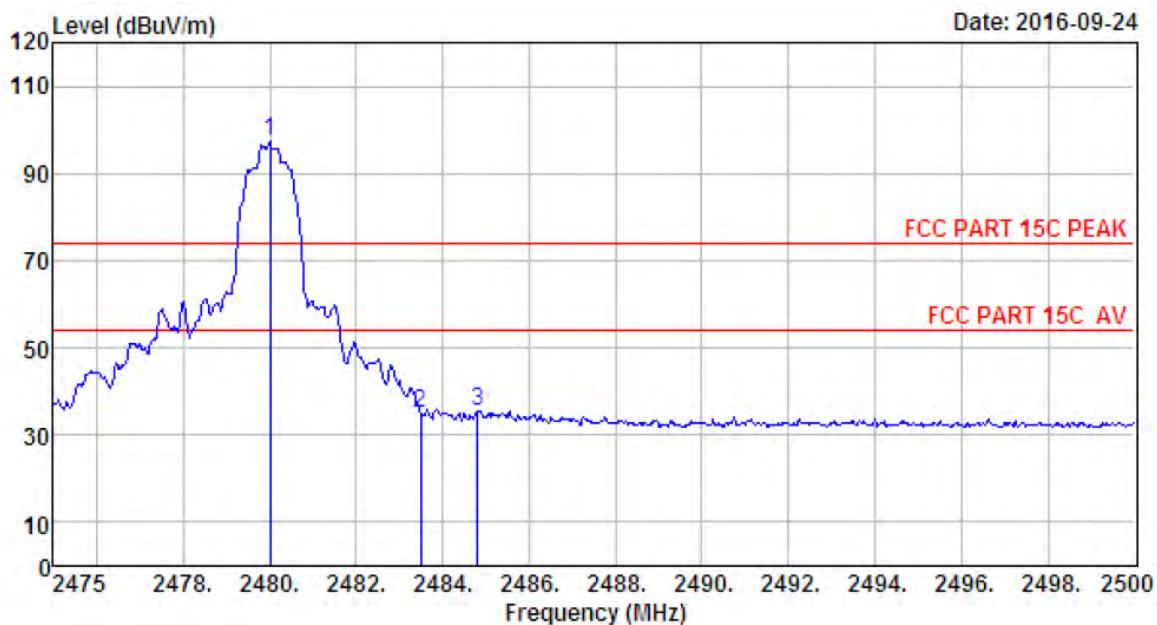
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 259
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : (n/4)DQPSK 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	2480.00	27.58	6.71	35.11	95.11	94.29	74.00	-20.29	Peak
2	2483.50	27.58	6.71	35.11	33.76	32.94	74.00	41.06	Peak
3	2490.05	27.58	6.73	35.24	34.27	33.34	74.00	40.66	Peak

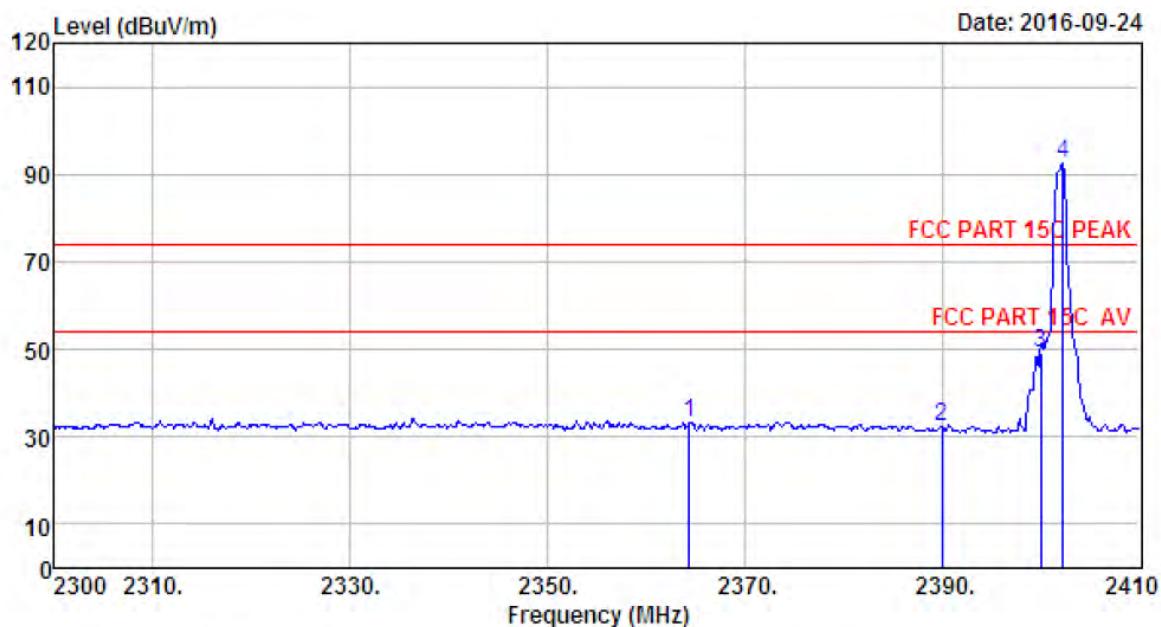
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 260
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2480MHz (No Hopping)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	98.17	97.35	74.00	-23.35	Peak
2	2483.50	27.58	6.71	35.11	35.63	34.81	74.00	39.19	Peak
3	2484.80	27.58	6.71	35.11	36.43	35.61	74.00	38.39	Peak

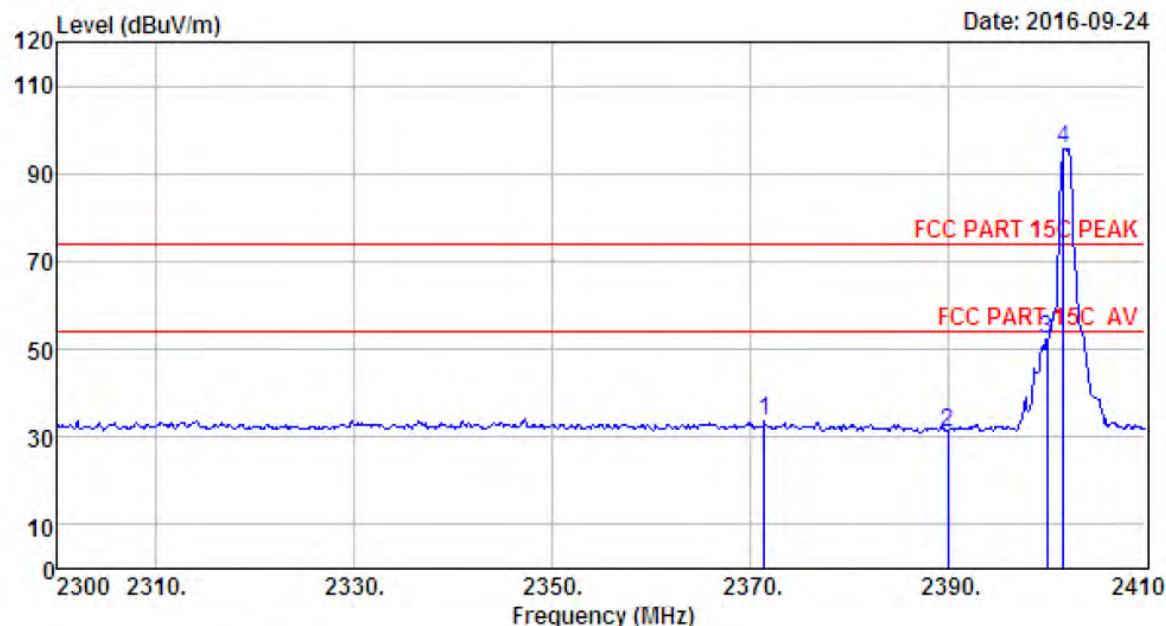
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 261
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2364.35	27.67	6.58	34.59	33.76	33.42	74.00	40.58	Peak
2 2390.00	27.64	6.62	34.62	32.89	32.53	74.00	41.47	Peak
3 2400.00	27.61	6.62	34.64	49.54	49.13	74.00	24.87	Peak
4 2402.30	27.61	6.62	34.64	92.85	92.44	74.00	-18.44	Peak

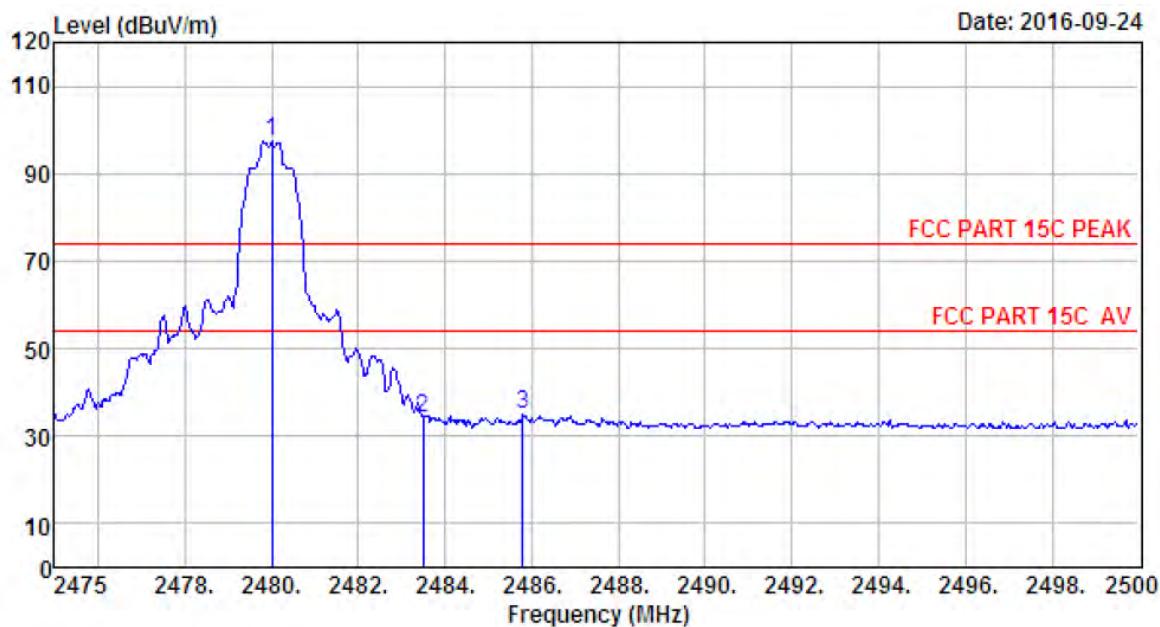
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 262
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2371.50	27.67	6.60	34.59	33.81	33.49	74.00	40.51	Peak
2 2390.00	27.64	6.62	34.62	31.54	31.18	74.00	42.82	Peak
3 2400.00	27.61	6.62	34.64	52.87	52.46	74.00	21.54	Peak
4 2401.75	27.61	6.62	34.64	96.22	95.81	74.00	-21.81	Peak

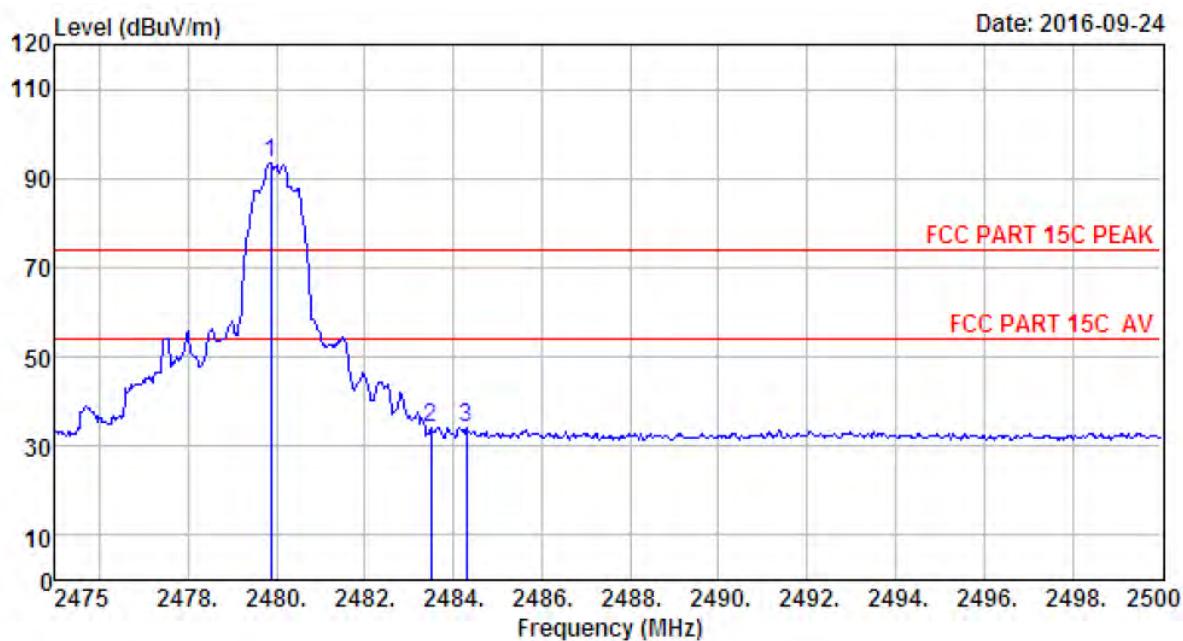
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 263
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 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	2480.00	27.58	6.71	35.11	98.28	97.46	74.00	-23.46	Peak
2	2483.50	27.58	6.71	35.11	35.10	34.28	74.00	39.72	Peak
3	2485.80	27.58	6.71	35.11	35.75	34.93	74.00	39.07	Peak

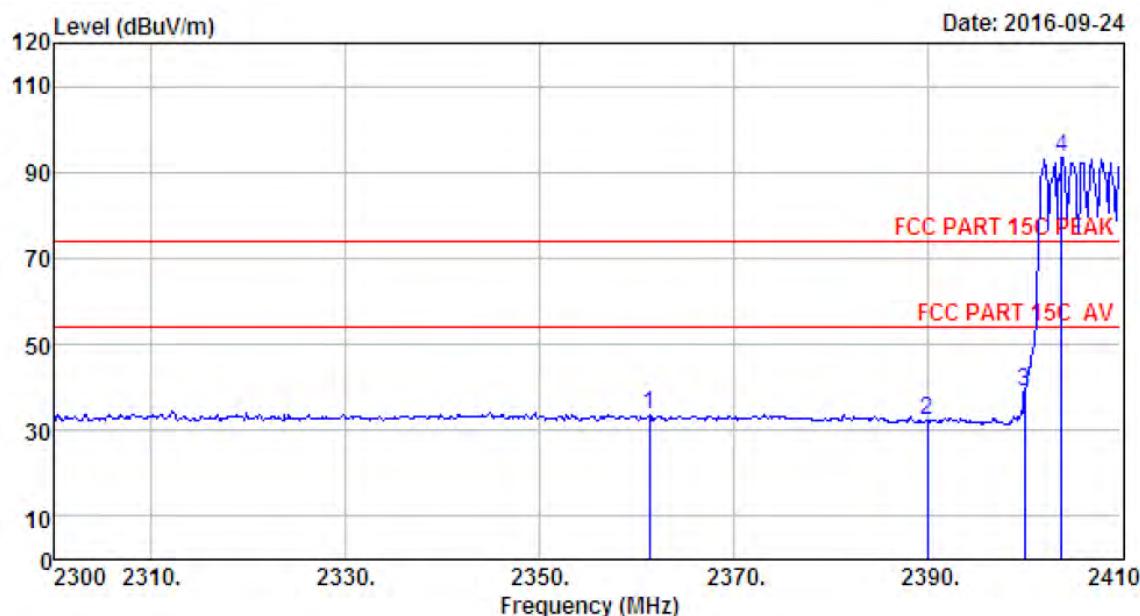
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 264
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 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 2479.88	27.58	6.71	35.11	94.09	93.27	74.00	-19.27	Peak
2 2483.50	27.58	6.71	35.11	34.94	34.12	74.00	39.88	Peak
3 2484.30	27.58	6.71	35.11	35.03	34.21	74.00	39.79	Peak

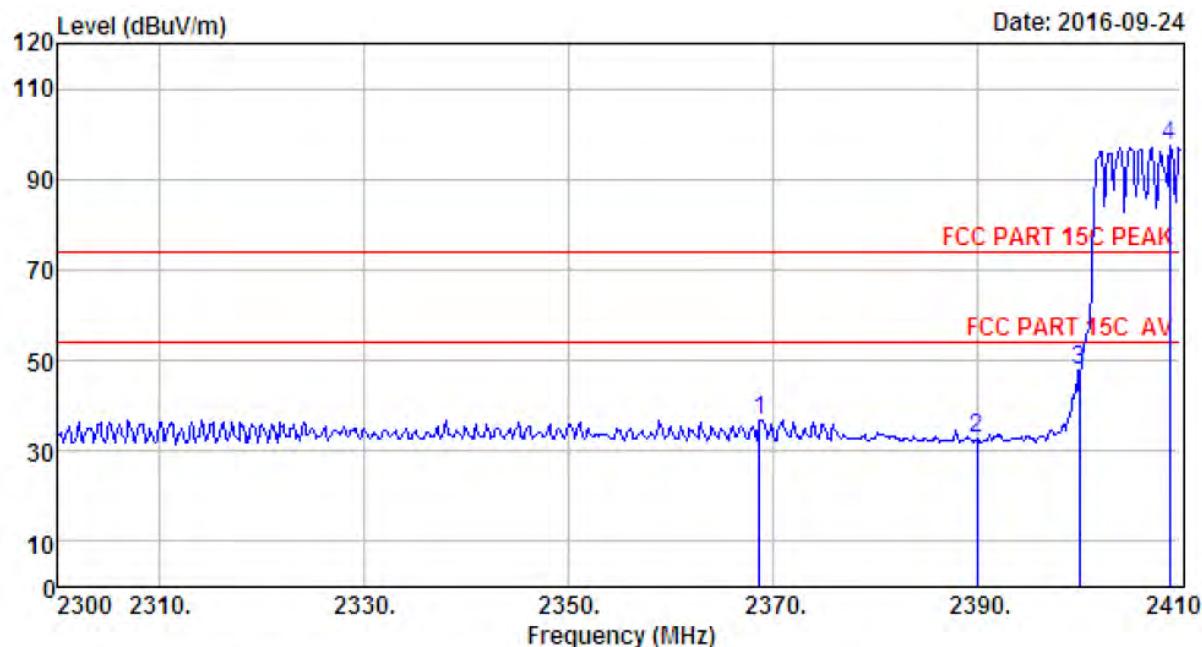
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 265
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2402MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2361.38	27.67	6.58	34.57	34.05	33.73	74.00	40.27	Peak	
2 2390.00	27.64	6.62	34.62	32.90	32.54	74.00	41.46	Peak	
3 2400.00	27.61	6.62	34.64	39.42	39.01	74.00	34.99	Peak	
4 2403.84	27.61	6.64	34.64	93.66	93.27	74.00	-19.27	Peak	

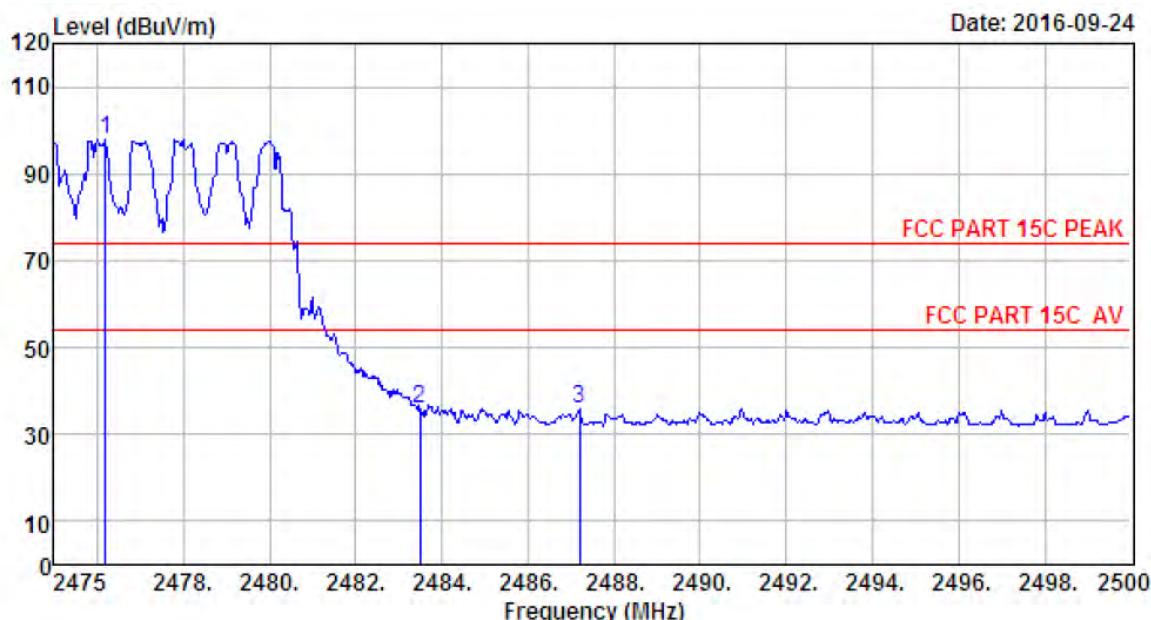
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 266
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 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	2368.75	27.67	6.60	34.59	37.22	36.90	74.00	37.10	Peak
2	2390.00	27.64	6.62	34.62	32.98	32.62	74.00	41.38	Peak
3	2400.00	27.61	6.62	34.64	48.26	47.85	74.00	26.15	Peak
4	2408.90	27.60	6.64	34.64	97.99	97.59	74.00	-23.59	Peak

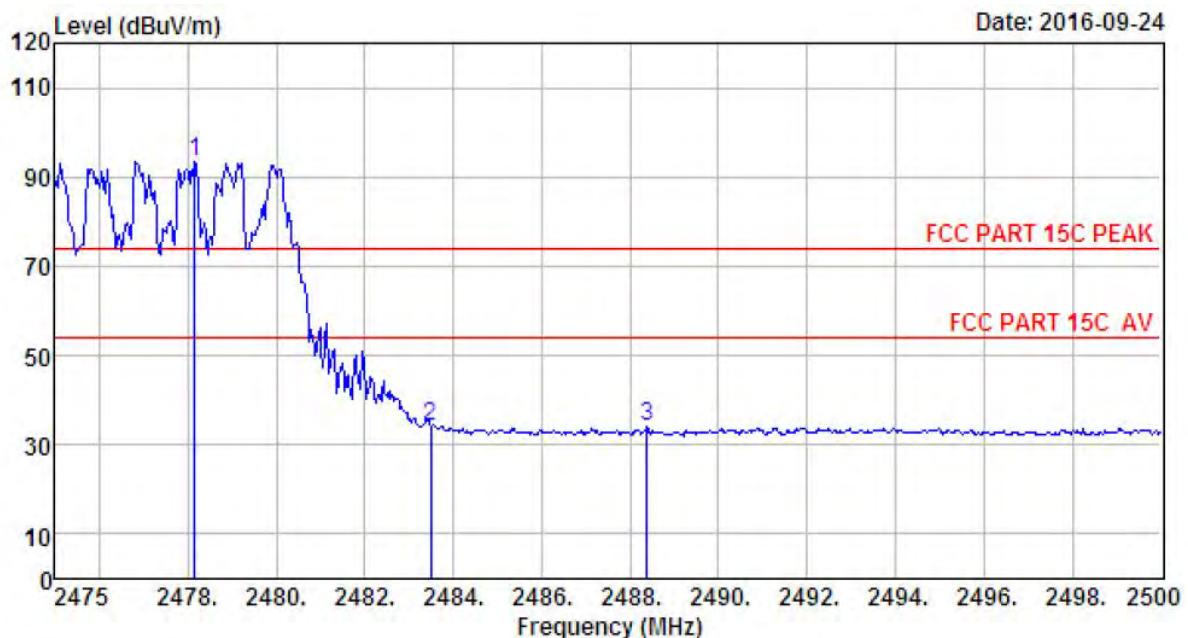
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 267
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2480MHz (Hopping On)

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2476.20	27.58	6.71	35.11	98.68	97.86	74.00	-23.86	Peak
2	2483.50	27.58	6.71	35.11	36.74	35.92	74.00	38.08	Peak
3	2487.20	27.58	6.71	35.11	36.67	35.85	74.00	38.15	Peak

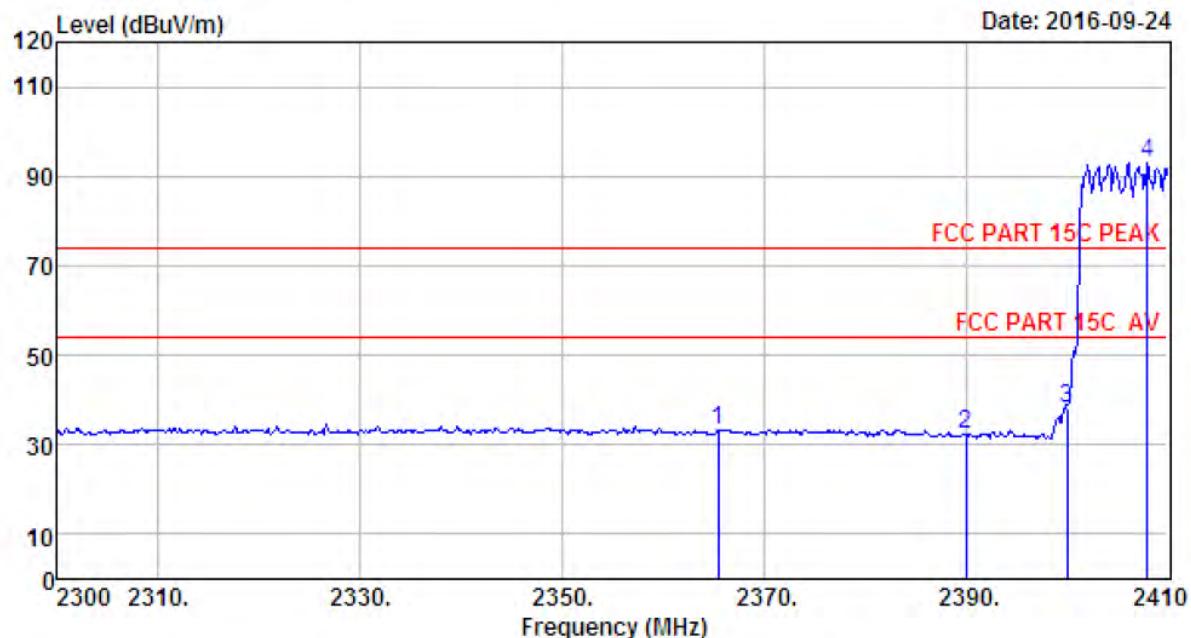
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 268
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : GFSK TX 2480MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2478.15	27.58	6.71	35.11	94.20	93.38	74.00	-19.38	Peak	
2 2483.50	27.58	6.71	35.11	34.75	33.93	74.00	40.07	Peak	
3 2488.38	27.58	6.73	35.11	34.74	33.94	74.00	40.06	Peak	

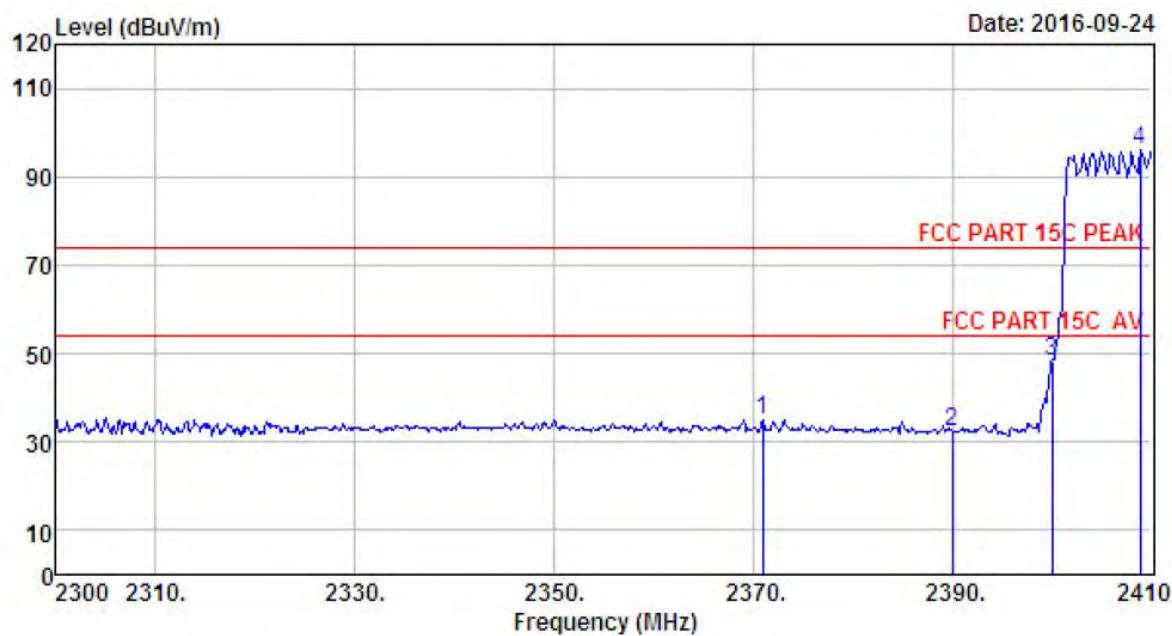
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 269
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$) DQPSK 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	2365.45	27.67	6.58	34.59	33.70	33.36	74.00	40.64	Peak
2	2390.00	27.64	6.62	34.62	32.76	32.40	74.00	41.60	Peak
3	2400.00	27.61	6.62	34.64	38.39	37.98	74.00	36.02	Peak
4	2408.02	27.61	6.64	34.64	93.44	93.05	74.00	-19.05	Peak

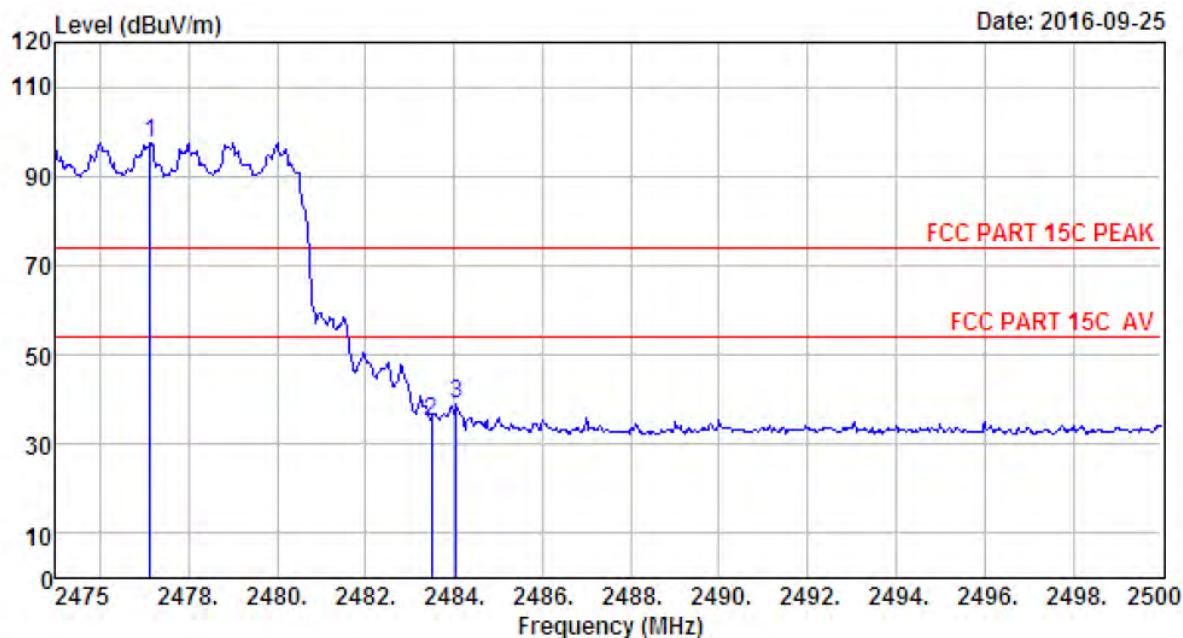
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 270
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : (n/4)DQPSK TX 2402MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2370.95	27.67	6.60	34.59	35.26	34.94	74.00	39.06	Peak	
2 2390.00	27.64	6.62	34.62	32.60	32.24	74.00	41.76	Peak	
3 2400.00	27.61	6.62	34.64	48.50	48.09	74.00	25.91	Peak	
4 2408.90	27.60	6.64	34.64	96.43	96.03	74.00	-22.03	Peak	

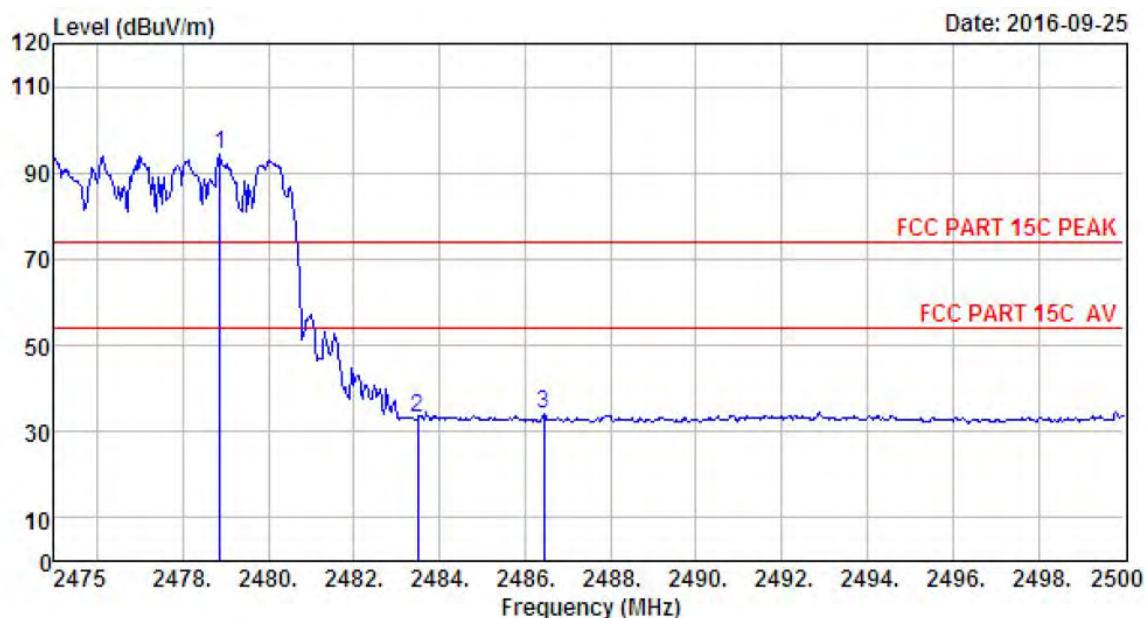
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 271
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2480MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2477.13	27.58	6.71	35.11	98.28	97.46	74.00	-23.46	Peak	
2 2483.50	27.58	6.71	35.11	35.78	34.96	74.00	39.04	Peak	
3 2484.05	27.58	6.71	35.11	39.68	38.86	74.00	35.14	Peak	

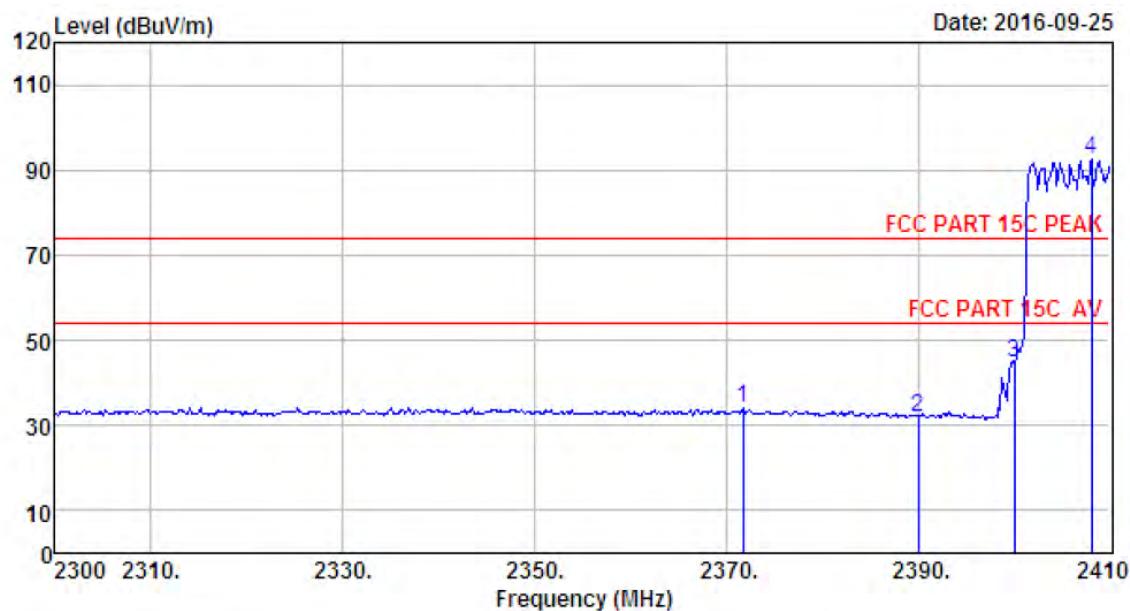
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 272
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : ($\pi/4$)DQPSK TX 2480MHz (Hopping On)

	Ant.	Cable	Amp	Emission					Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2478.88	27.58	6.71	35.11	94.95	94.13	74.00	-20.13	Peak	
2 2483.50	27.58	6.71	35.11	33.91	33.09	74.00	40.91	Peak	
3 2486.45	27.58	6.71	35.11	34.94	34.12	74.00	39.88	Peak	

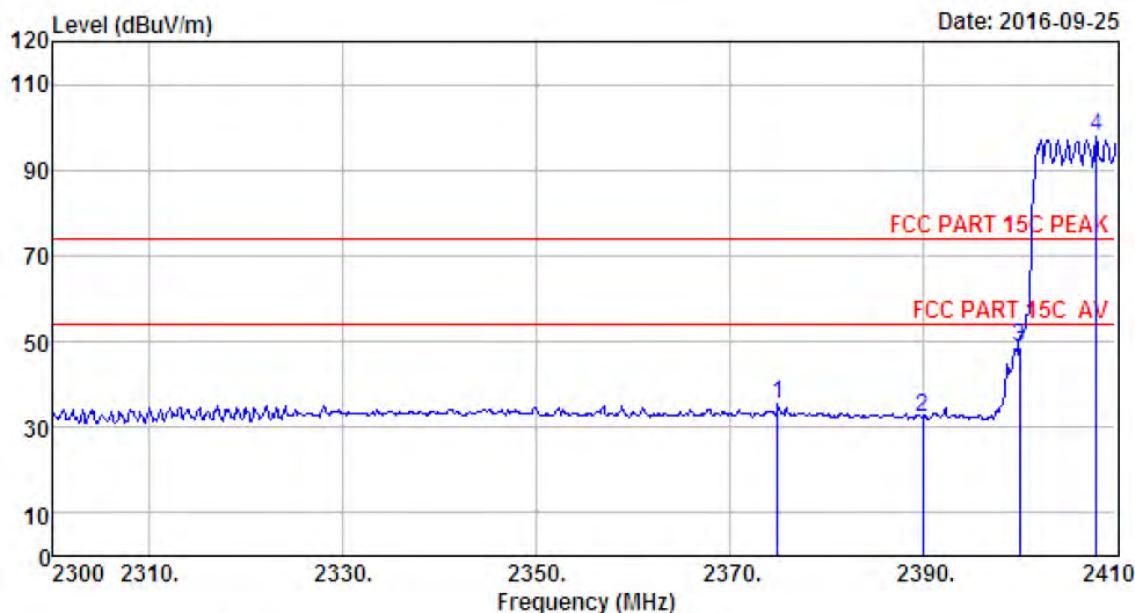
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 273
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK 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	2371.72	27.67	6.60	34.59	34.34	34.02	74.00	39.98	Peak
2	2390.00	27.64	6.62	34.62	32.43	32.07	74.00	41.93	Peak
3	2400.00	27.61	6.62	34.64	45.13	44.72	74.00	29.28	Peak
4	2408.13	27.61	6.64	34.64	92.82	92.43	74.00	-18.43	Peak

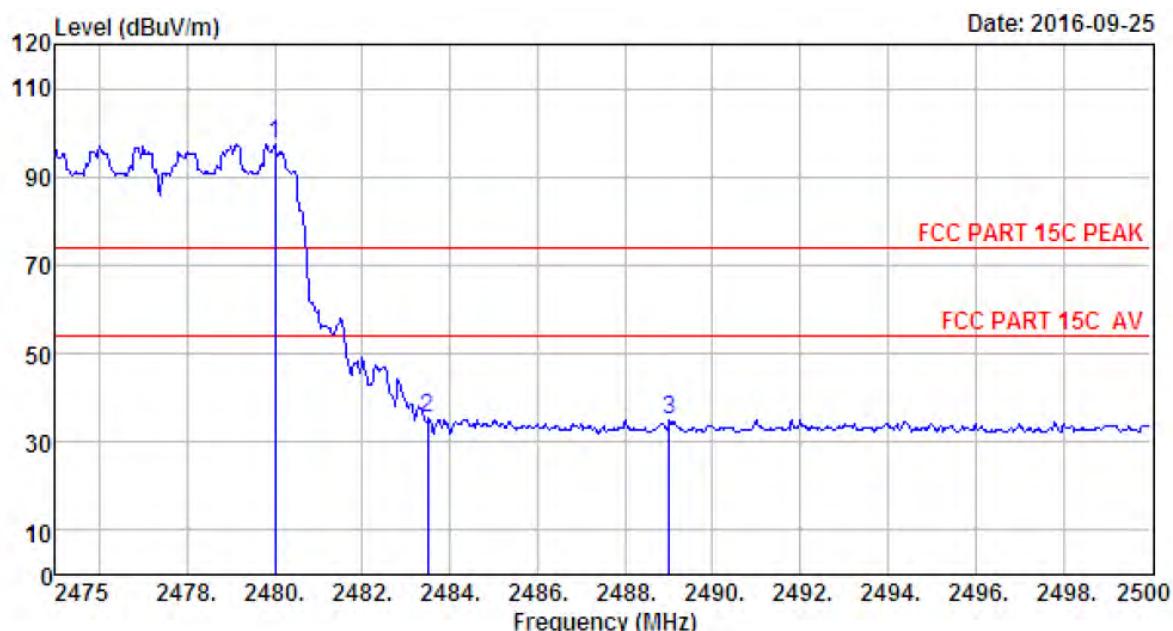
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 274
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2402MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2375.02	27.64	6.60	34.59	35.68	35.33	74.00	38.67		Peak
2 2390.00	27.64	6.62	34.62	32.69	32.33	74.00	41.67		Peak
3 2400.00	27.61	6.62	34.64	49.12	48.71	74.00	25.29		Peak
4 2408.02	27.61	6.64	34.64	98.16	97.77	74.00	-23.77		Peak

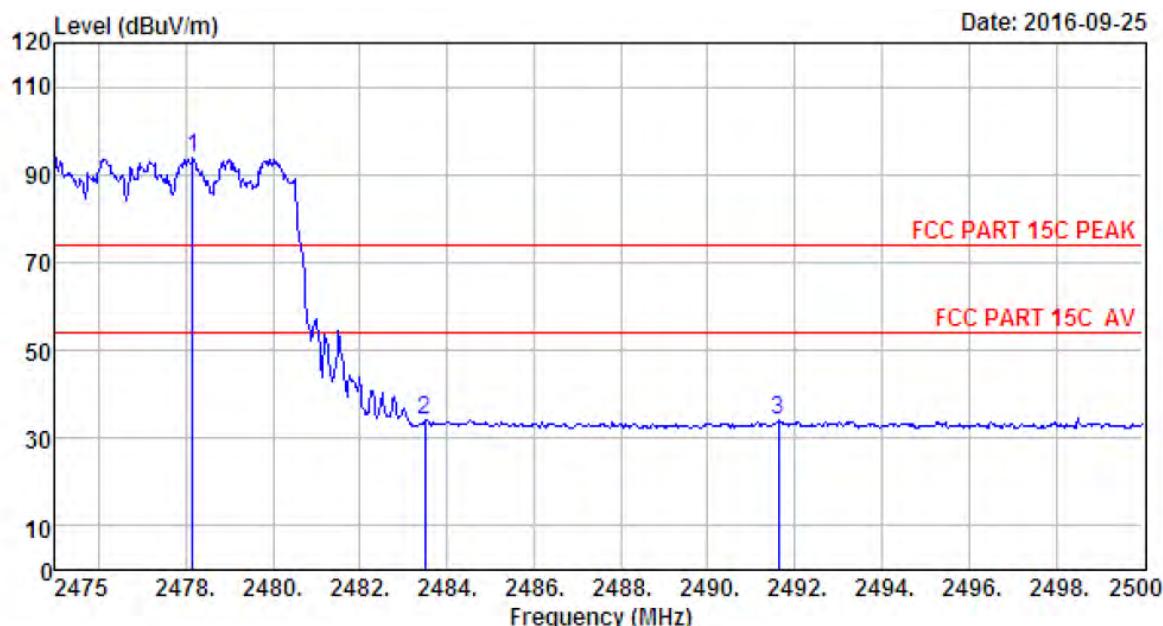
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 275
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2480.00	27.58	6.71	35.11	98.36	97.54	74.00	-23.54	Peak	
2 2483.50	27.58	6.71	35.11	36.26	35.44	74.00	38.56	Peak	
3 2489.00	27.58	6.73	35.11	35.93	35.13	74.00	38.87	Peak	

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



Site no. : 966 1# chamber Data no. : 276
 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 : Bluetooth Speaker
 Power : DC 7.2V
 M/N : Beoplay A2 Active
 Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	Ant.	Cable	Amp	Emission					
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1 2478.15	27.58	6.71	35.11	94.51	93.69	74.00	-19.69	Peak	
2 2483.50	27.58	6.71	35.11	34.82	34.00	74.00	40.00	Peak	
3 2491.63	27.58	6.73	35.24	34.89	33.96	74.00	40.04	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.

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

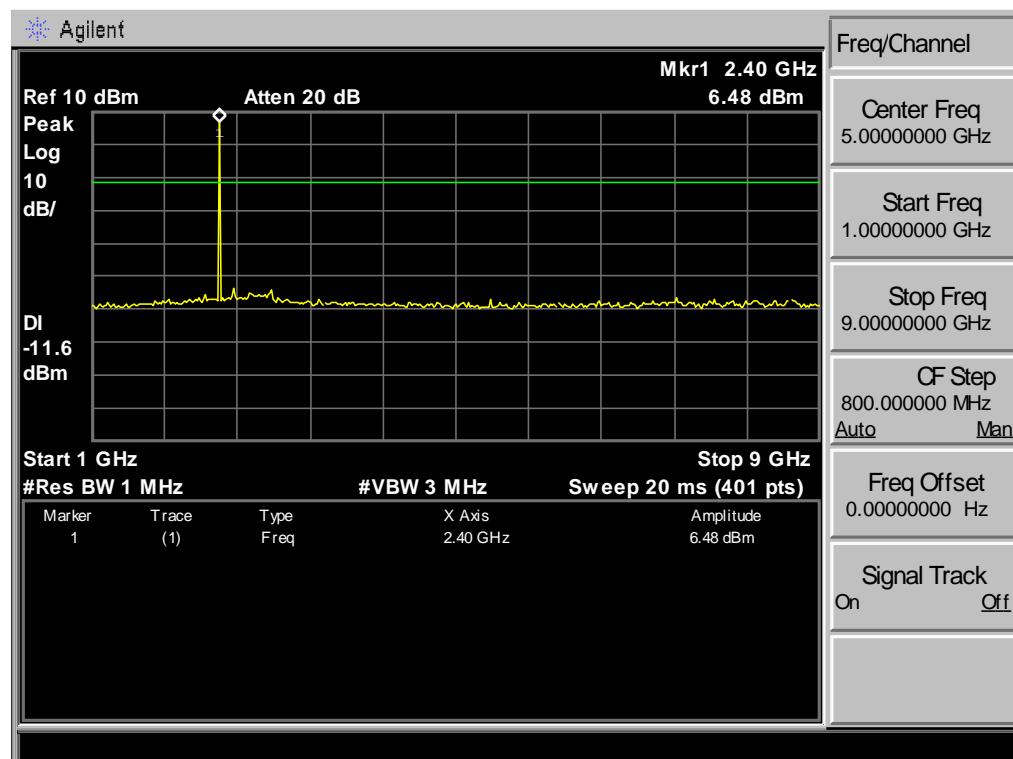
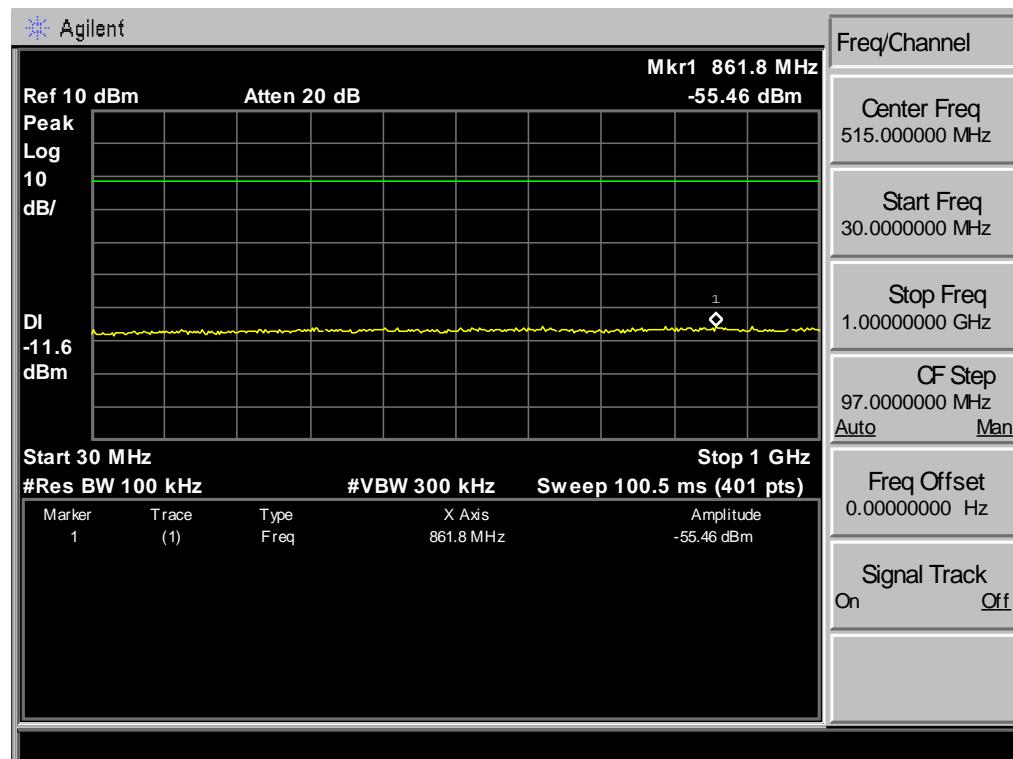
The transmitter output was connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz for frequency range from 30MHz to 1000 MHz; The resolution bandwidth is set to 1 MHz, The video bandwidth is set to 3 MHz for frequency range from 1000MHz to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

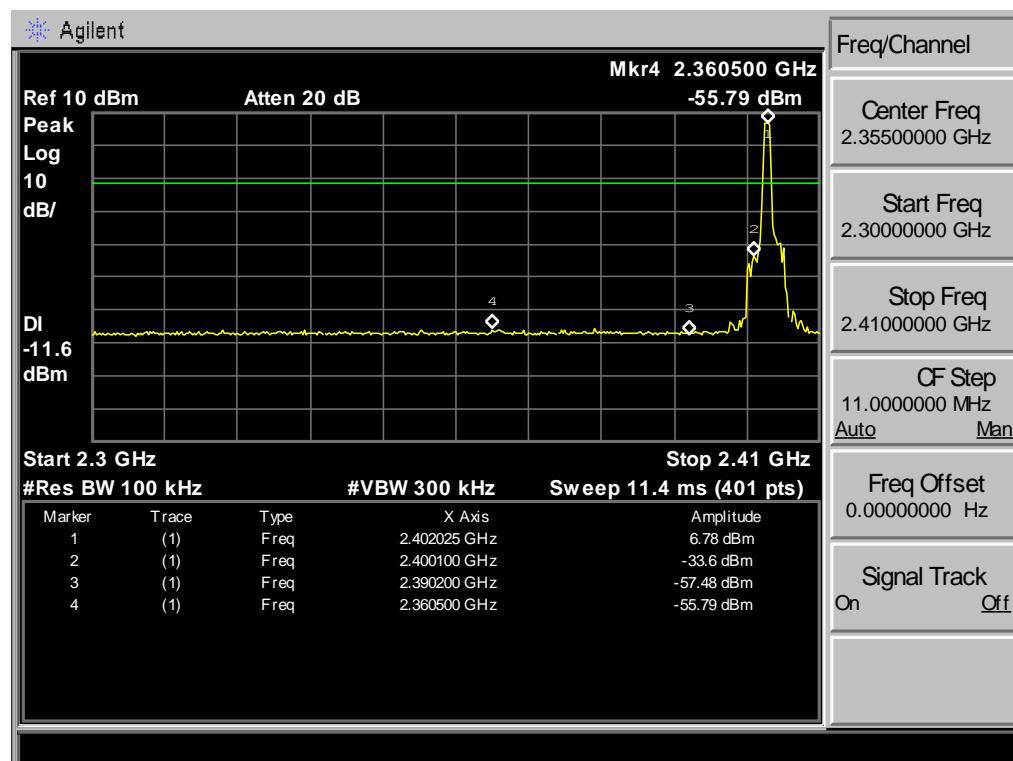
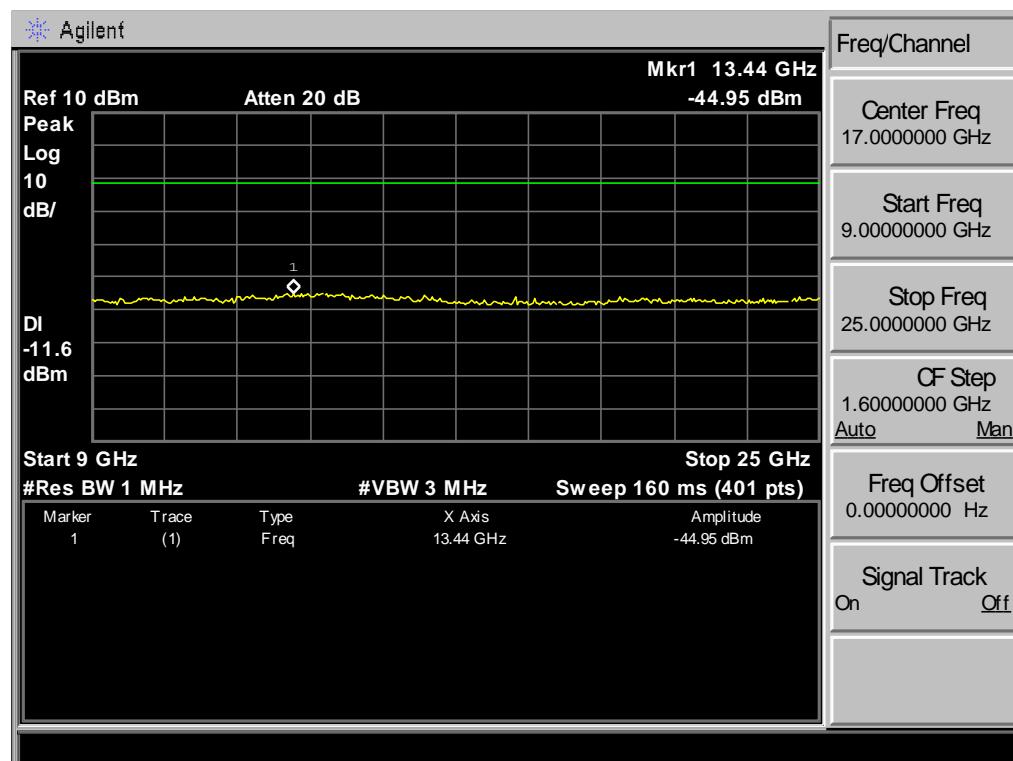
10.3.Test Result

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

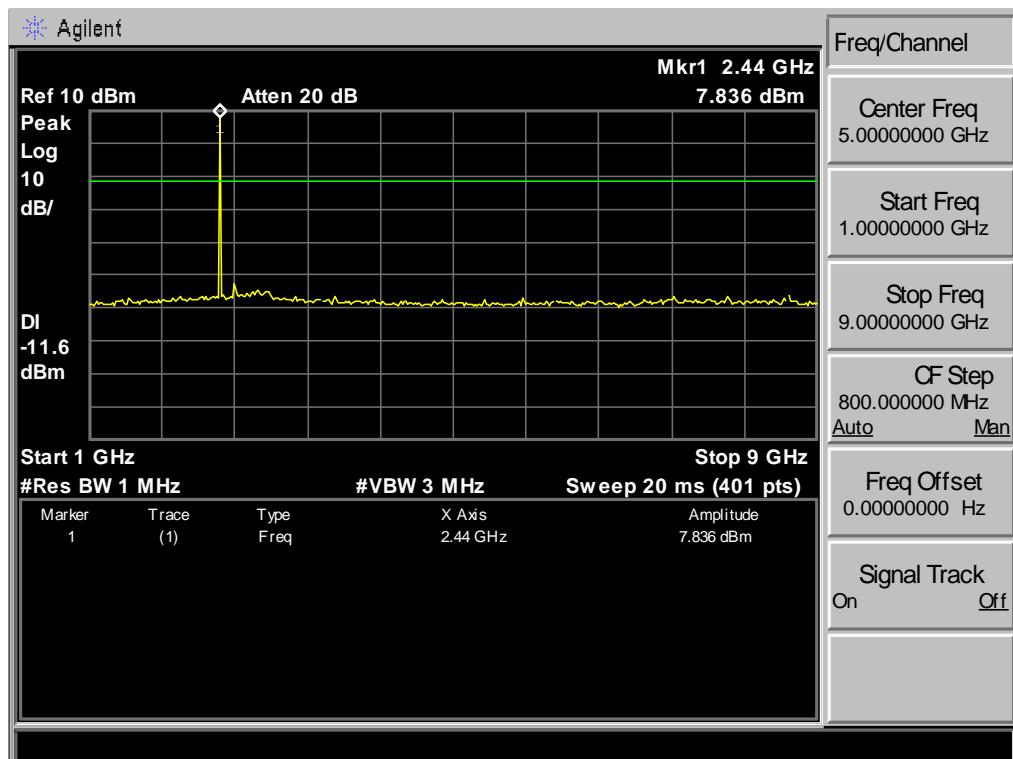
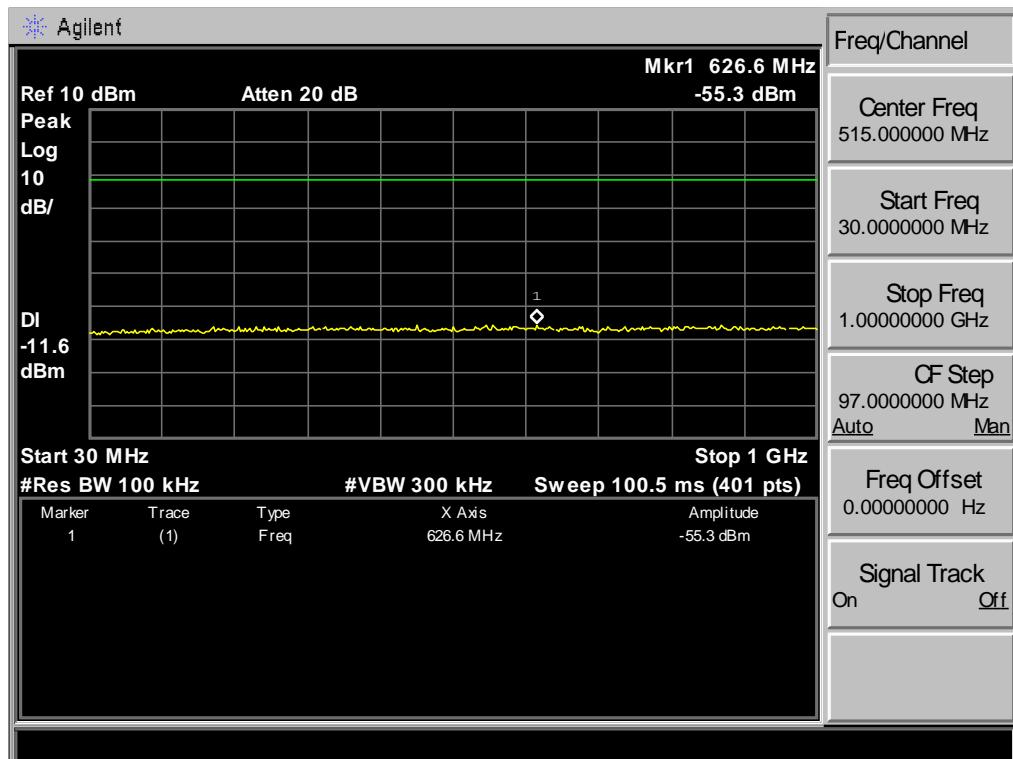
10.4. Test Data

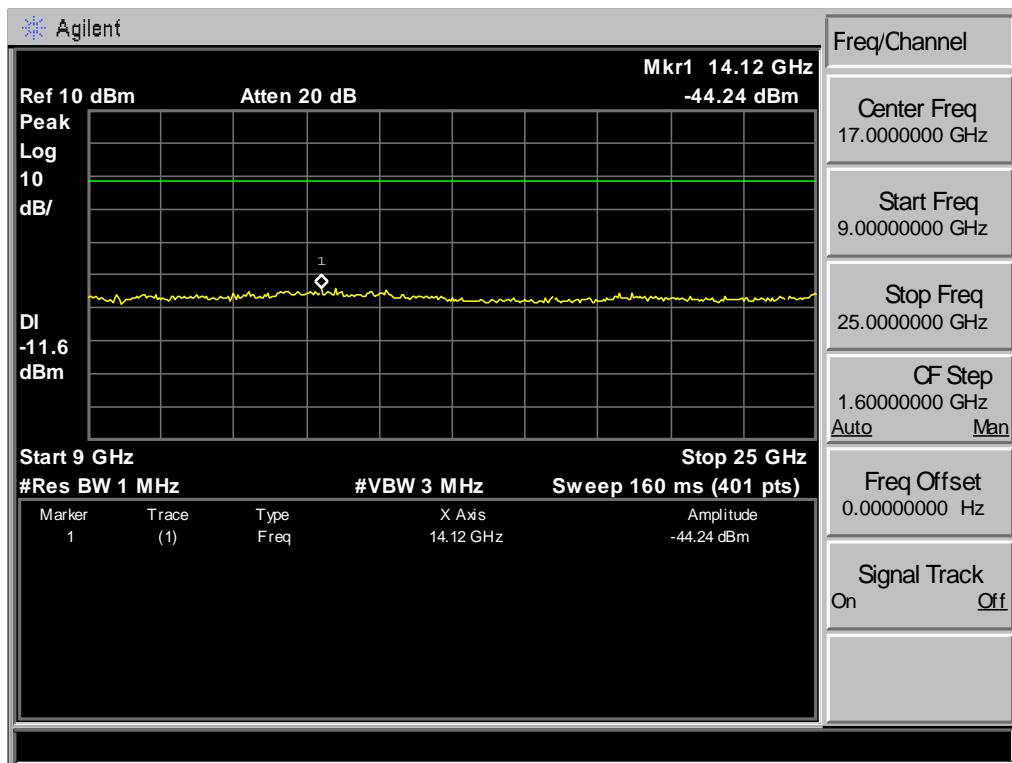
Test Mode: GFSK 2402MHz



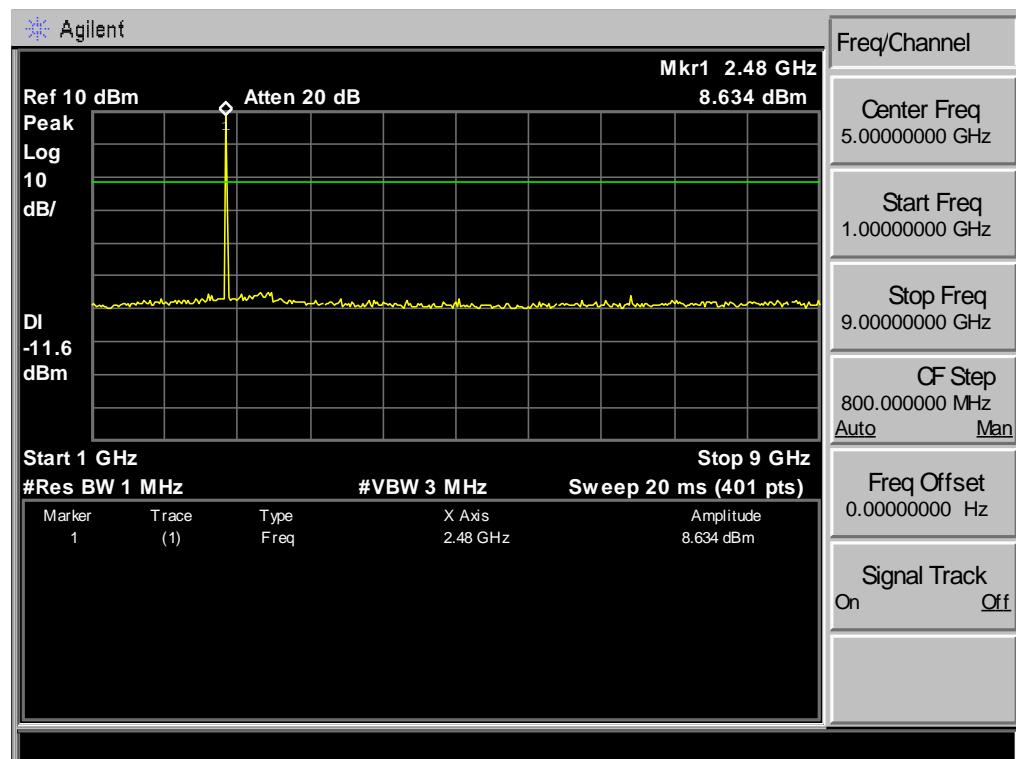
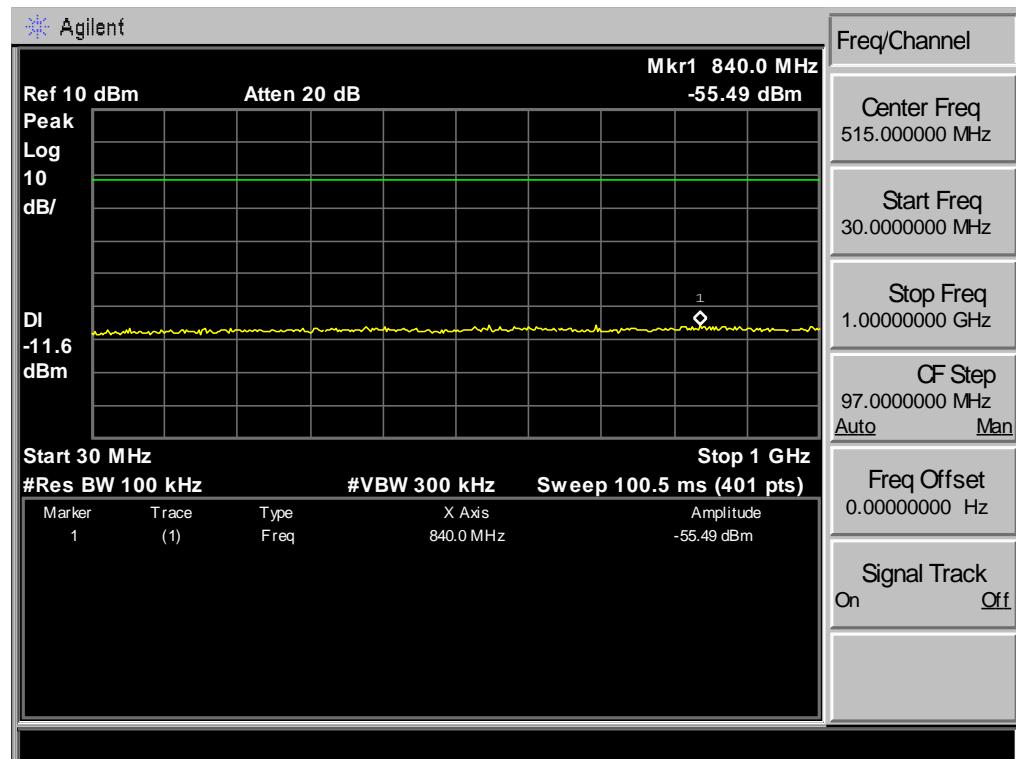


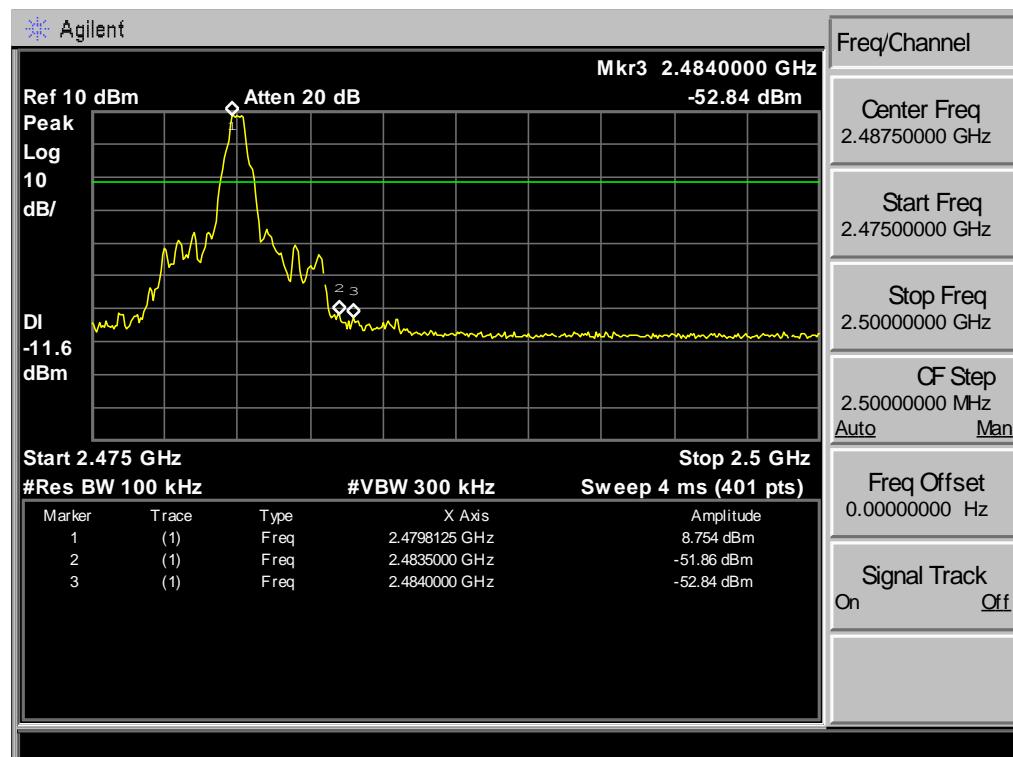
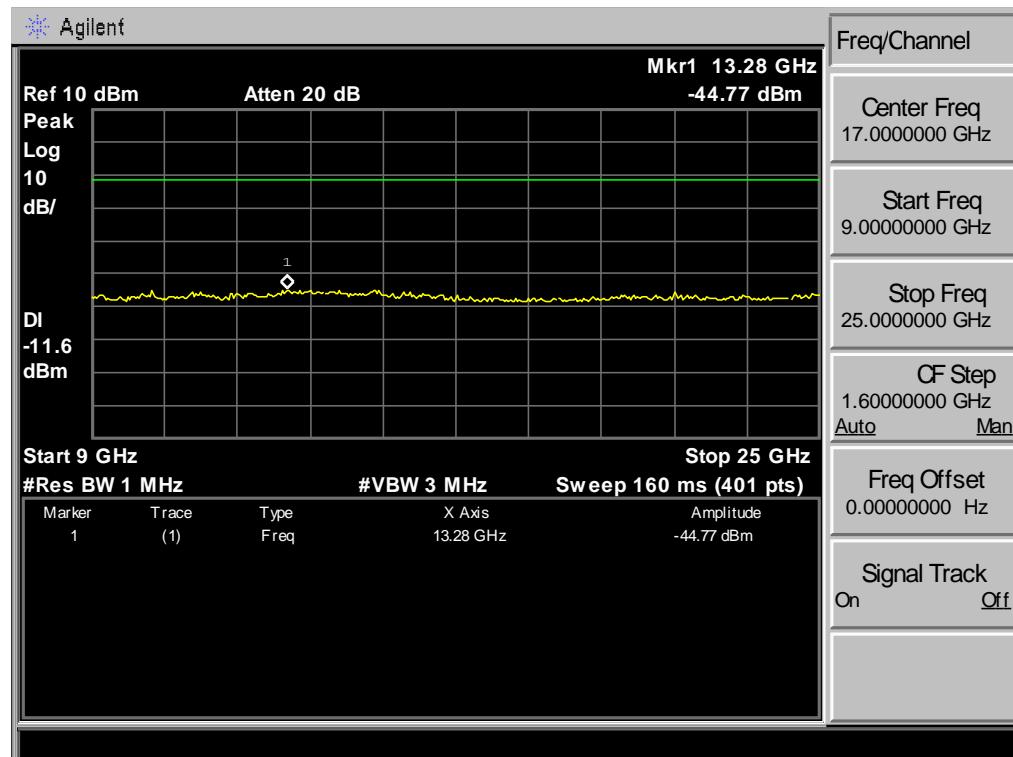
Test Mode: GFSK 2441MHz

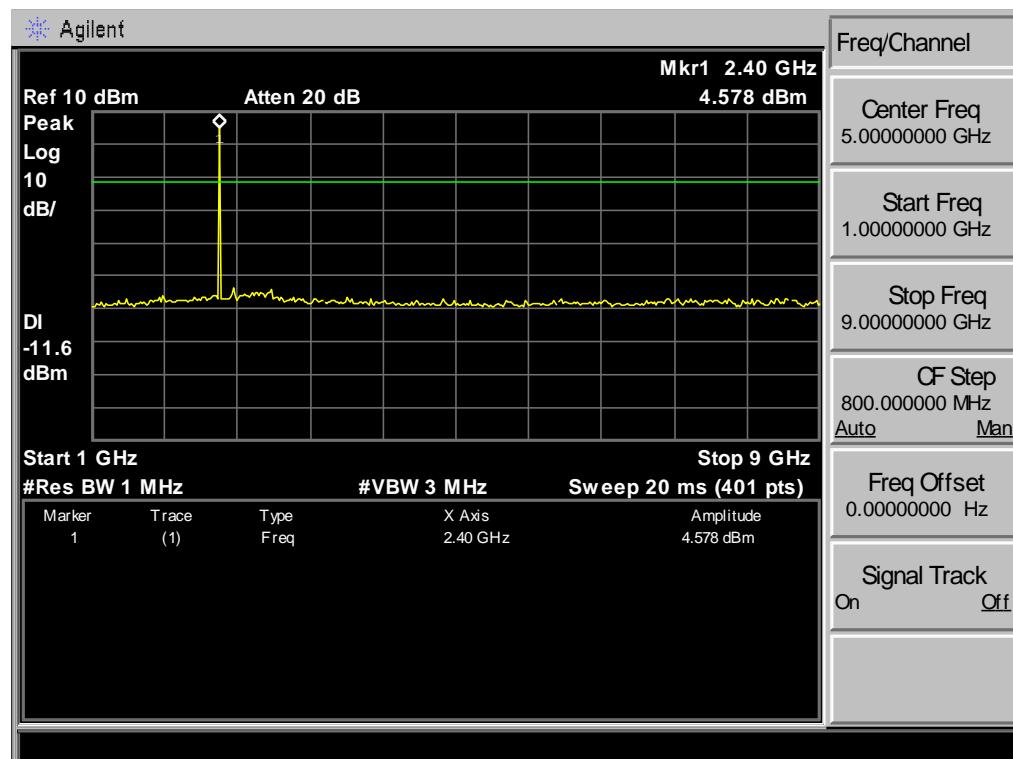
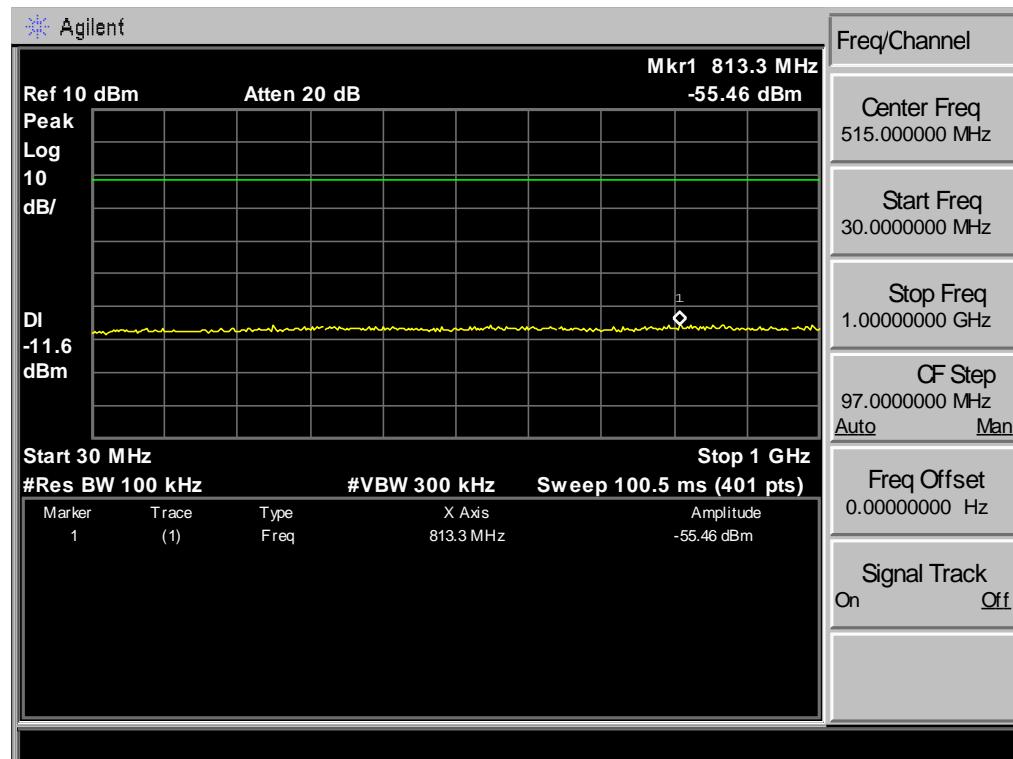


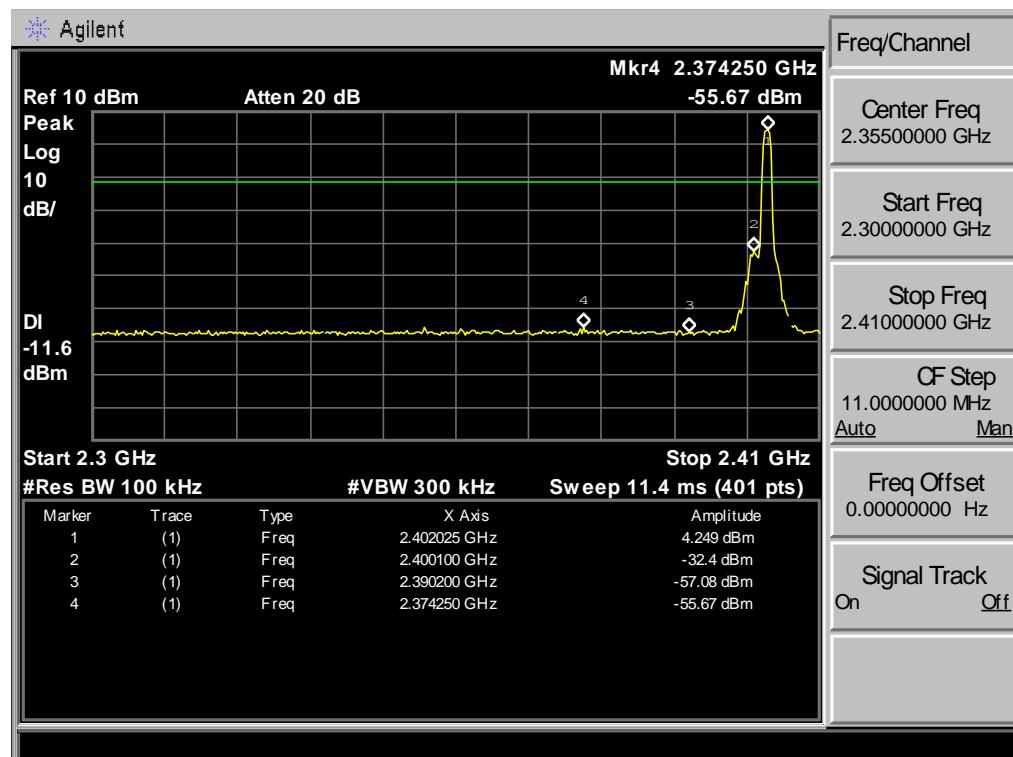
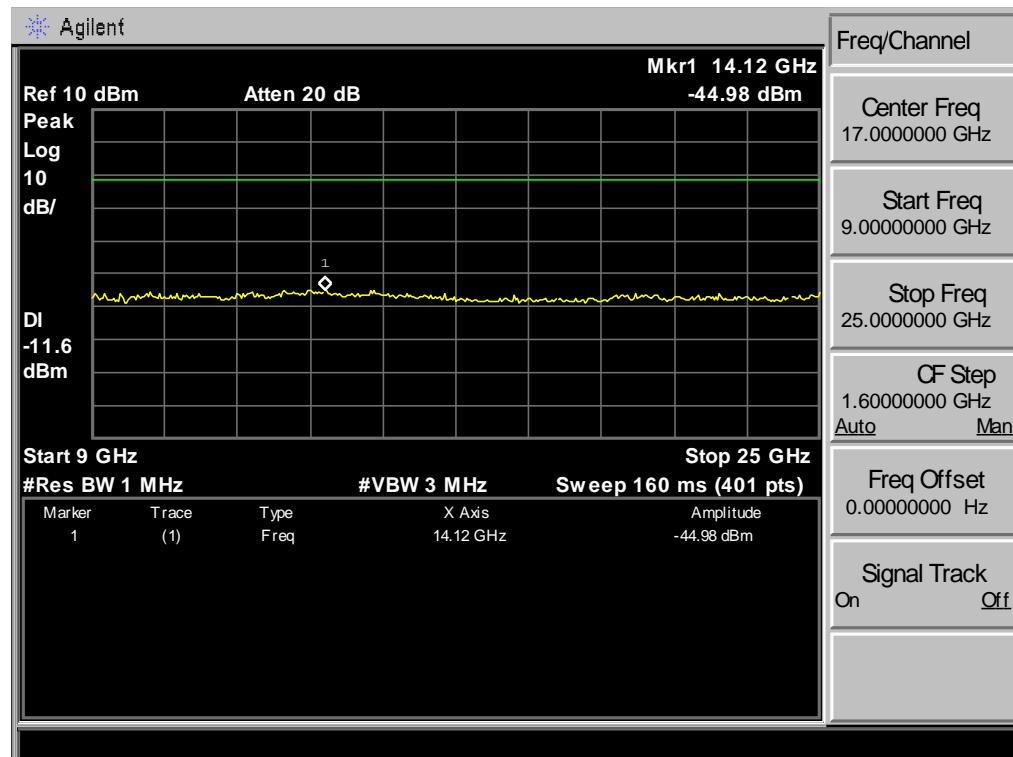


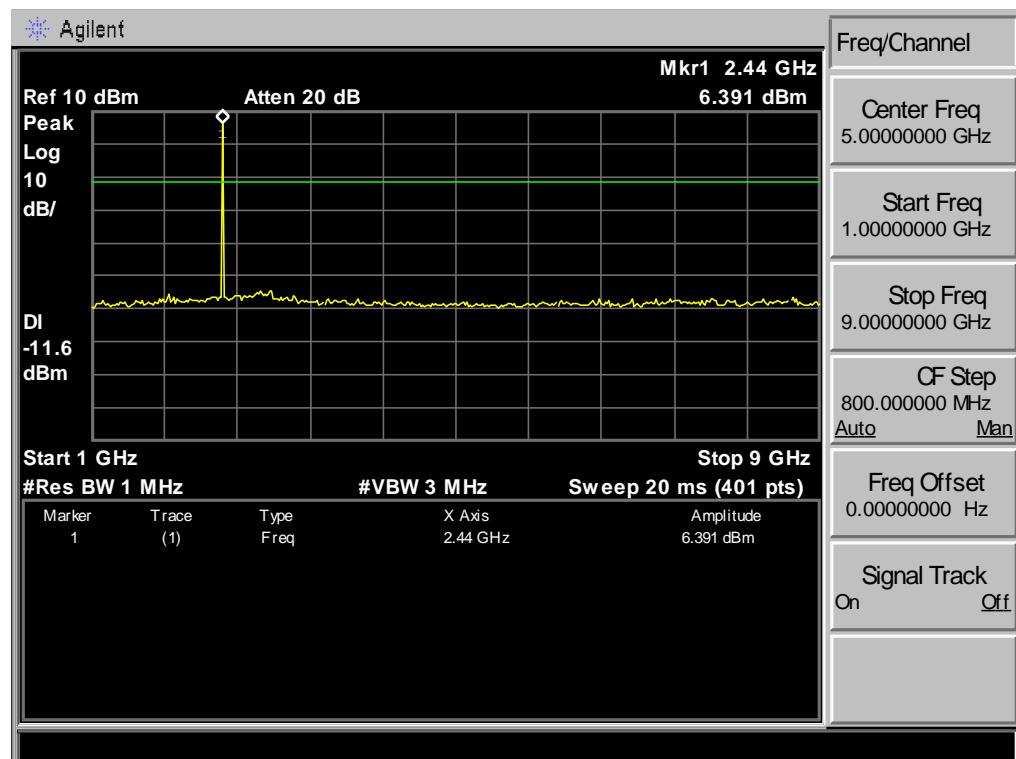
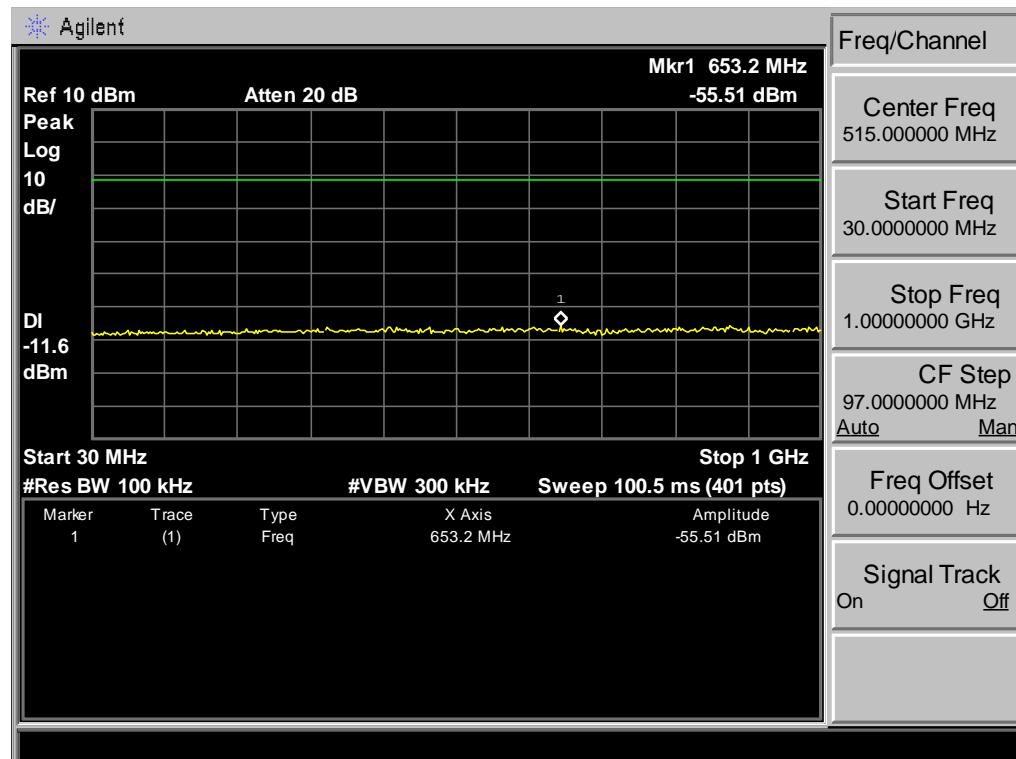
Test Mode: GFSK 2480MHz

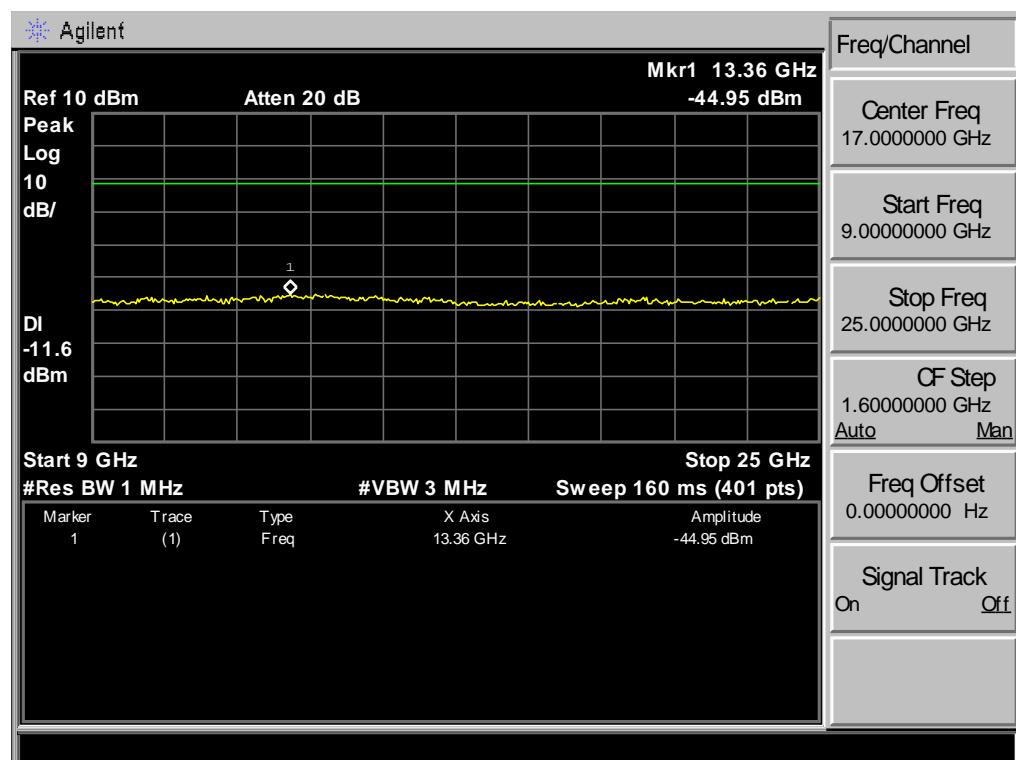


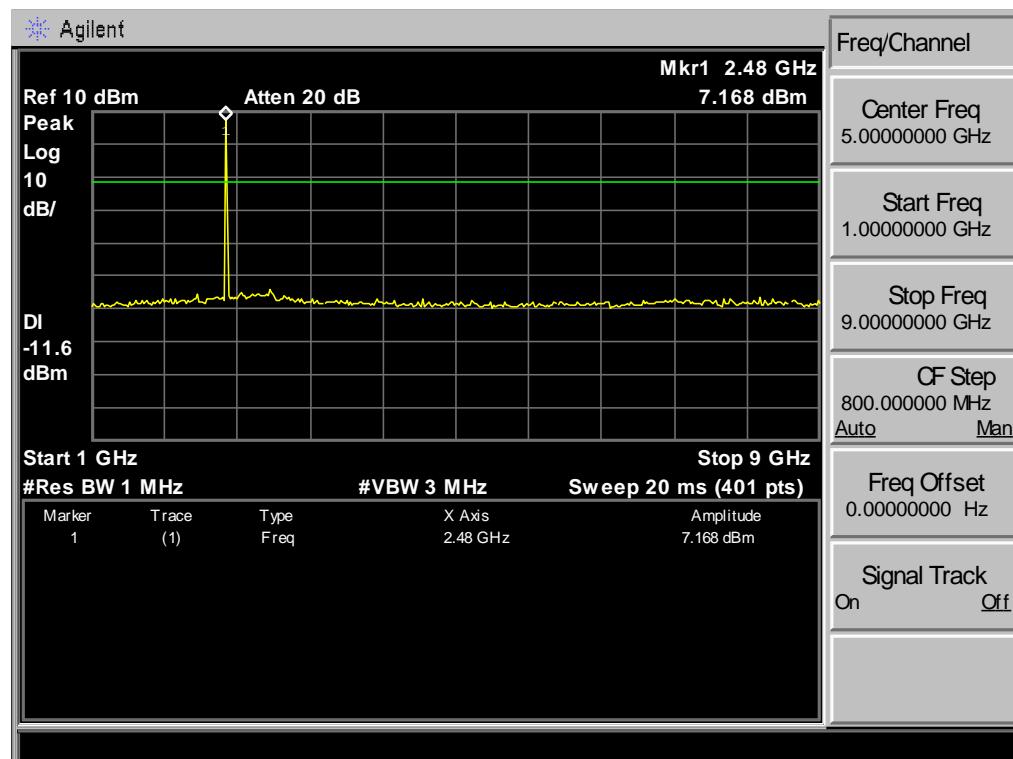
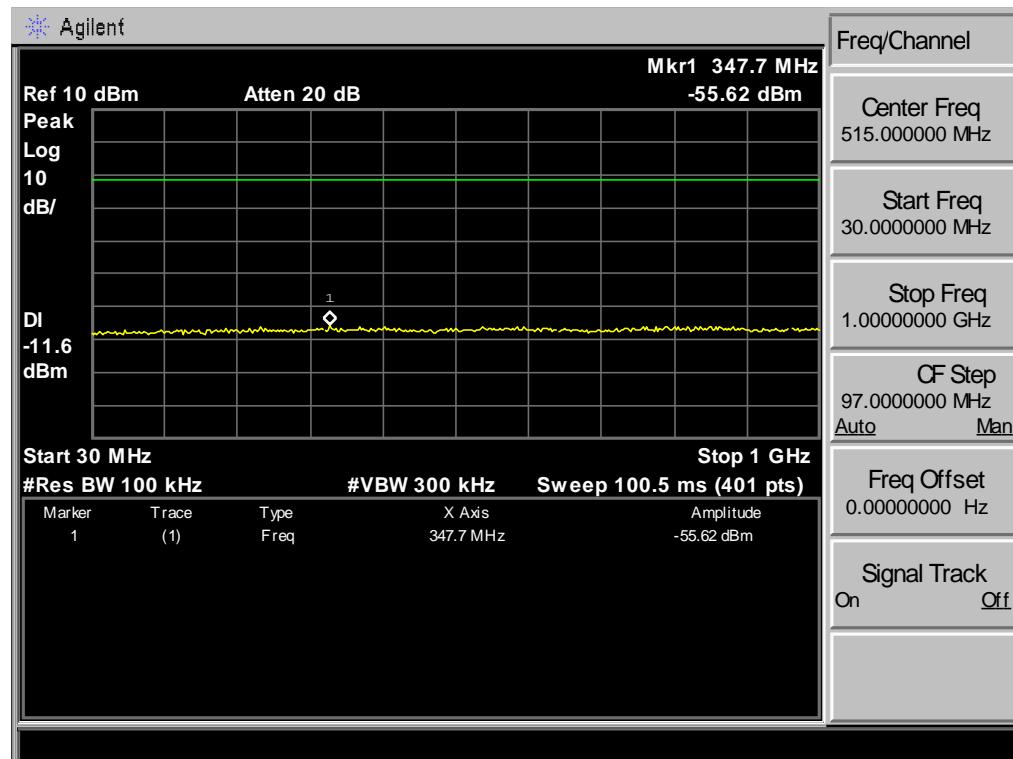


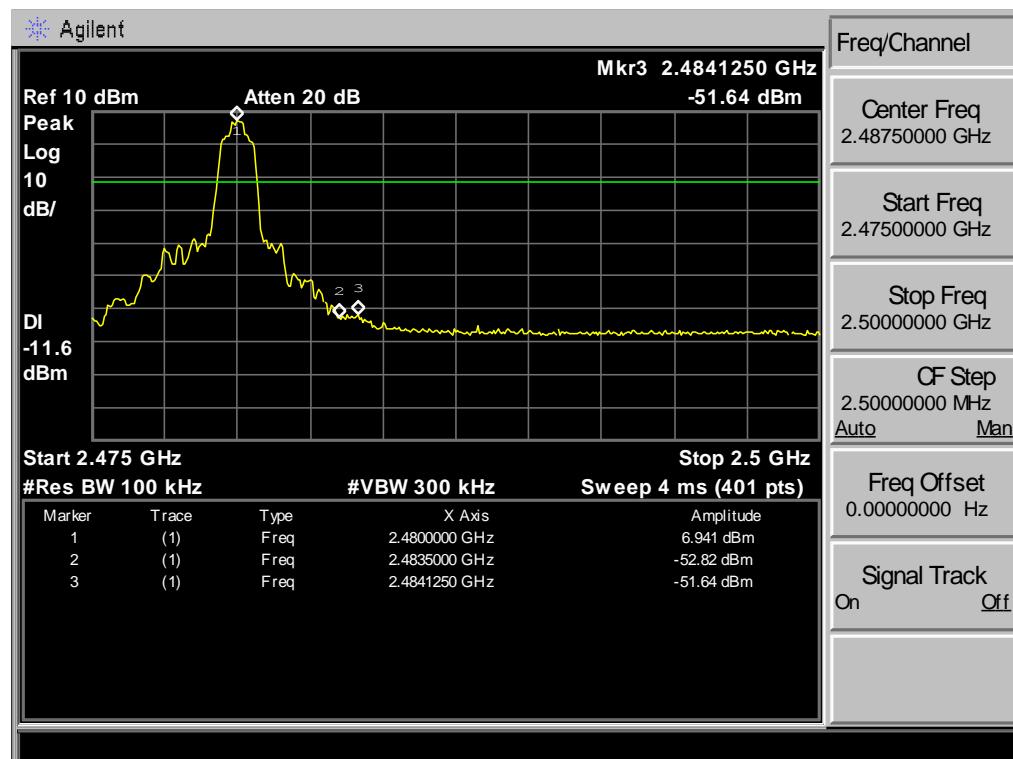
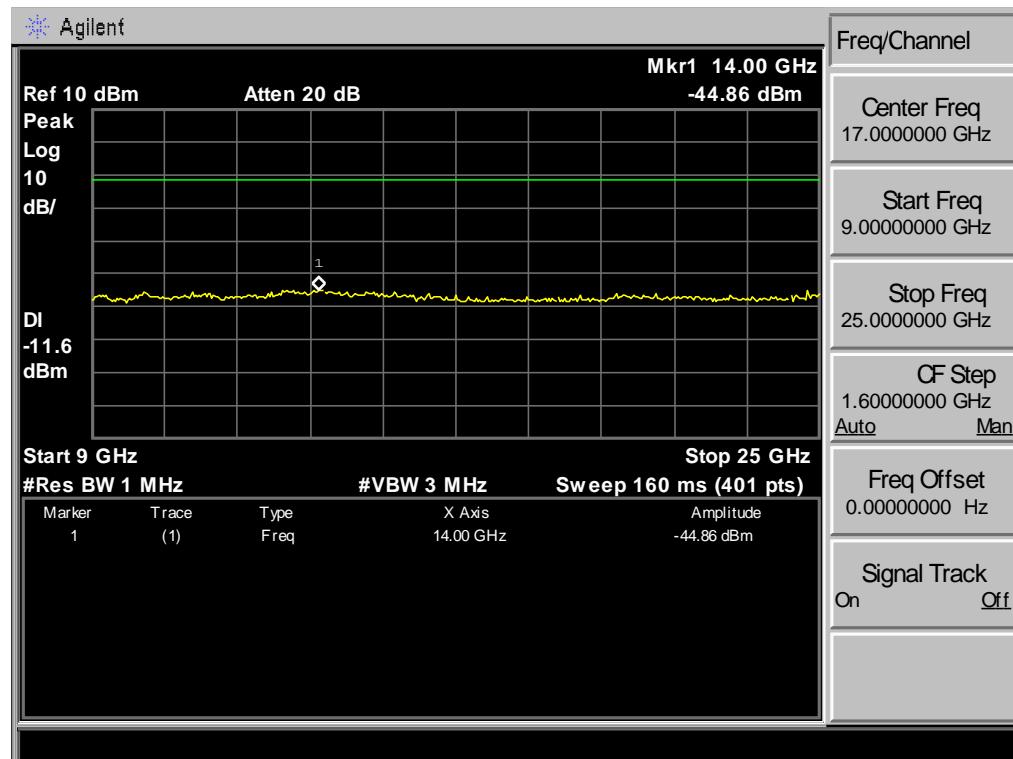
Test Mode: $\pi/4$ -DQPSK 2402MHz



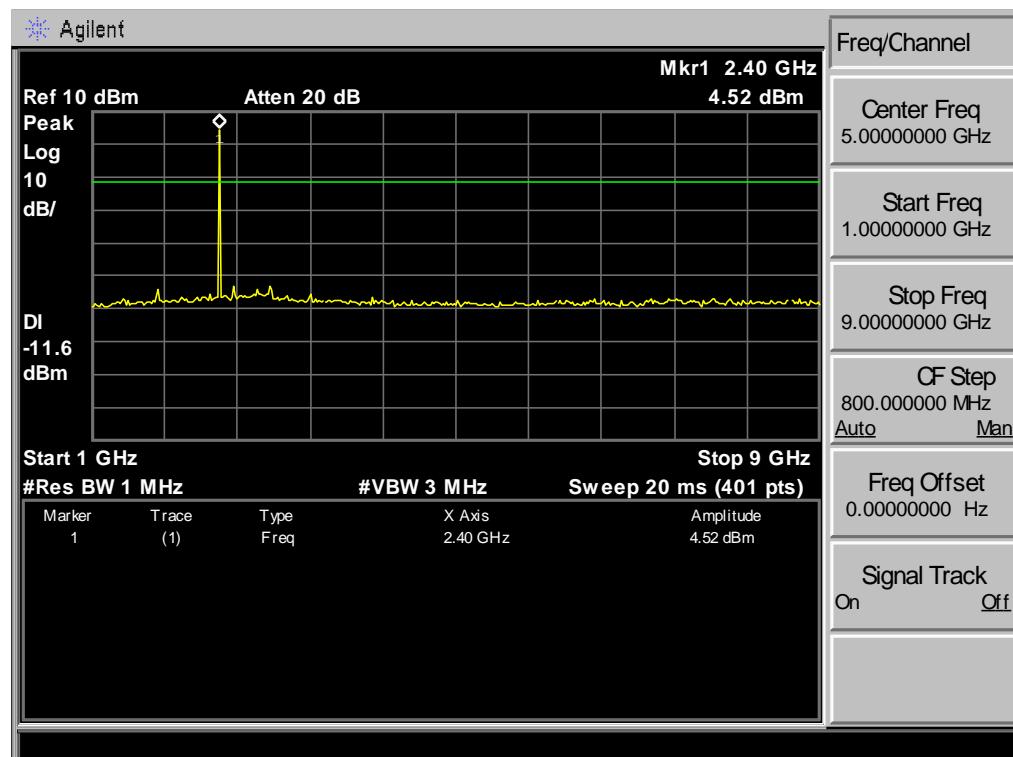
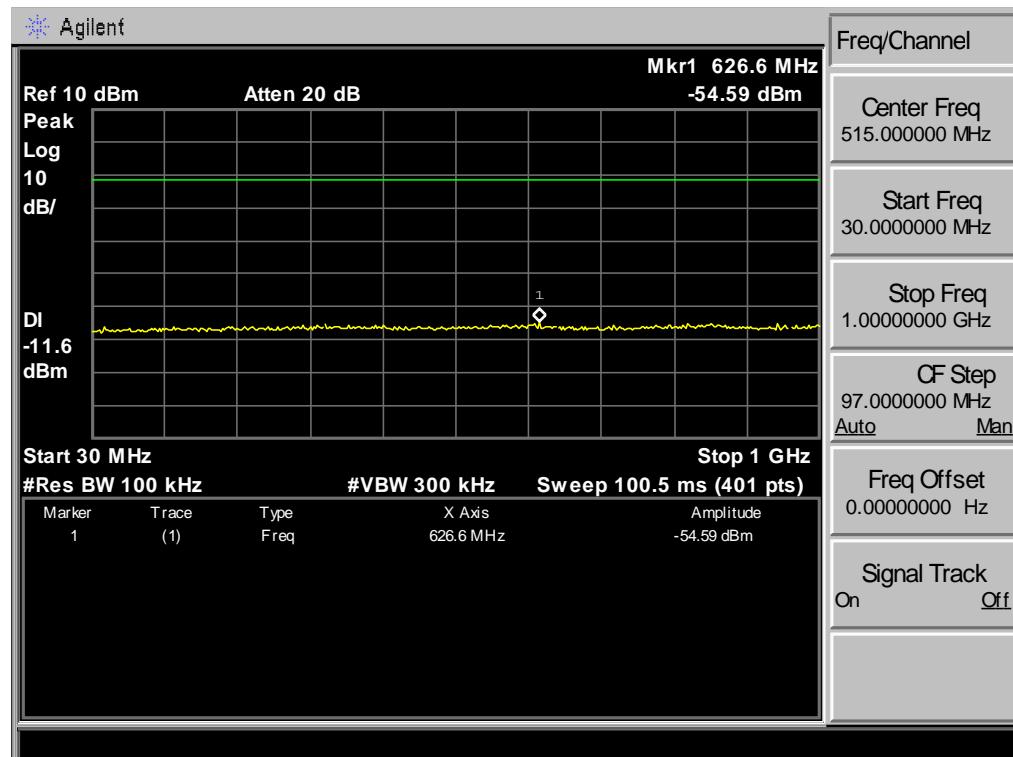
Test Mode: $\pi/4$ -DQPSK 2441MHz

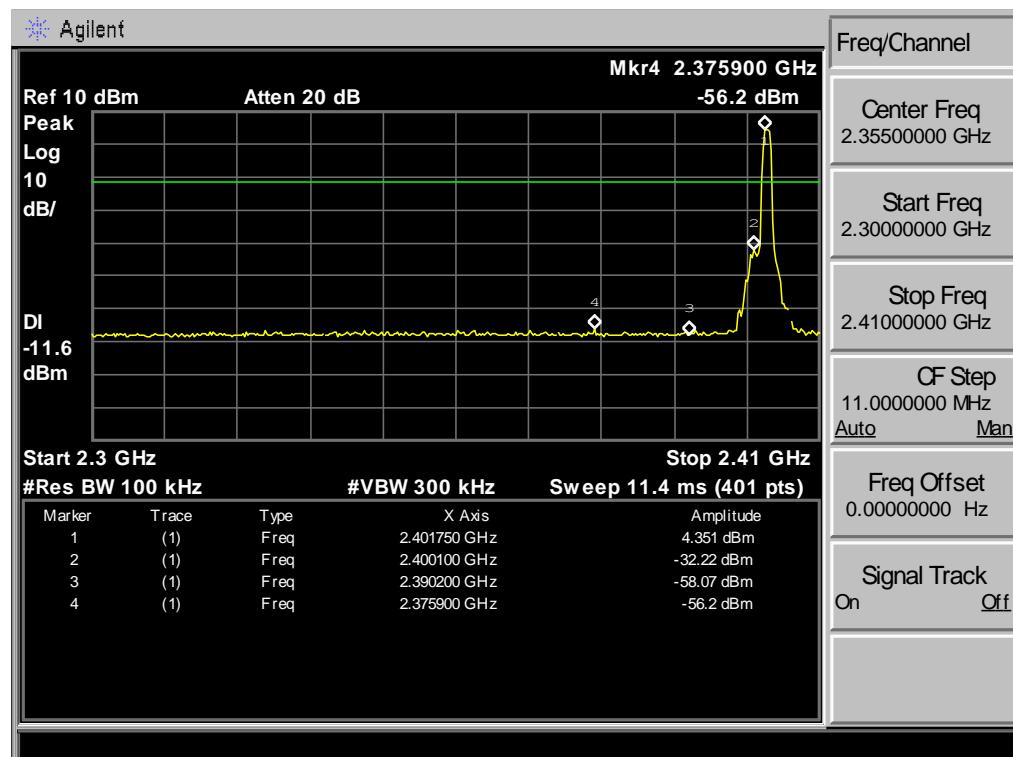
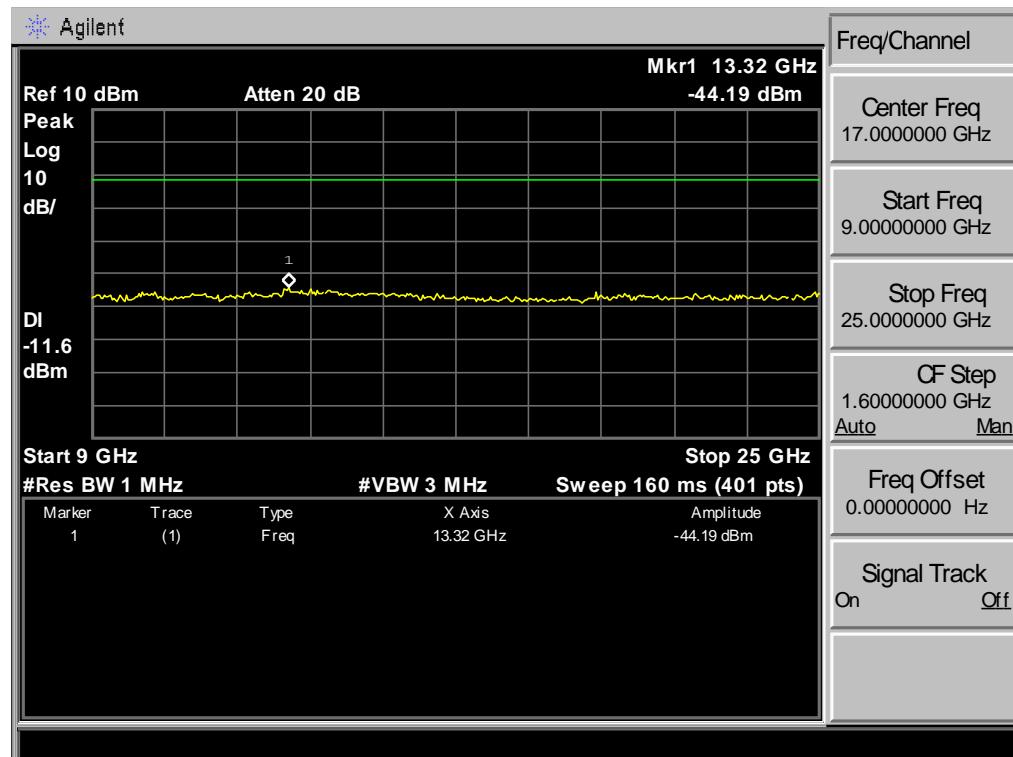


Test Mode: $\pi/4$ -DQPSK 2480MHz

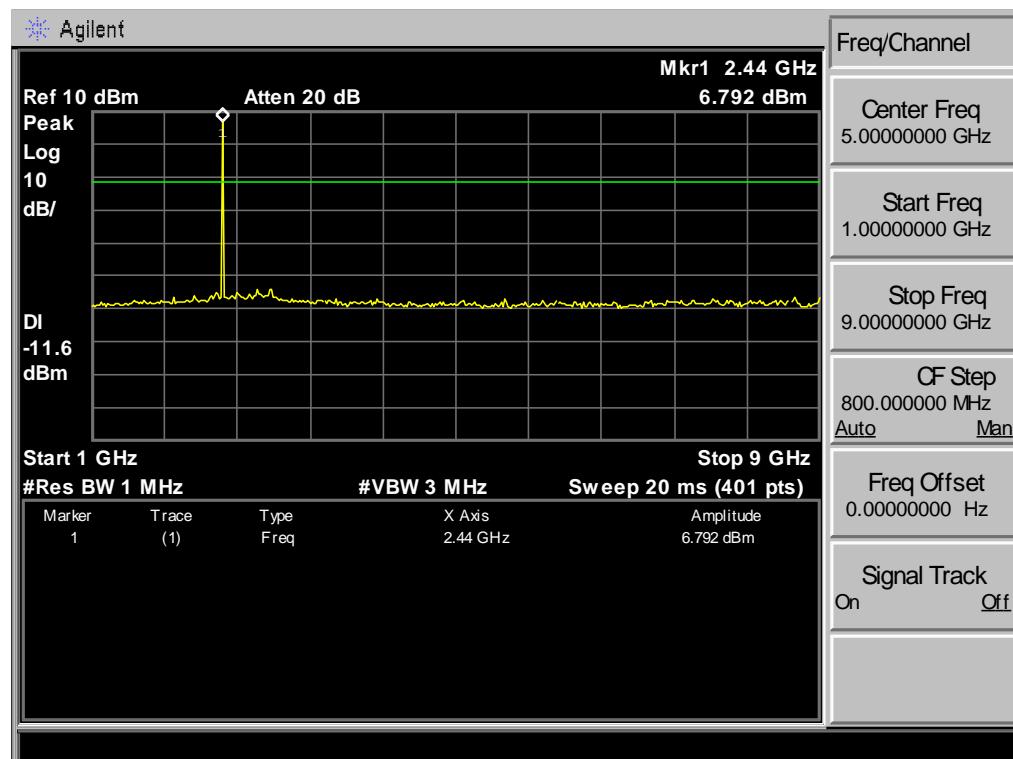
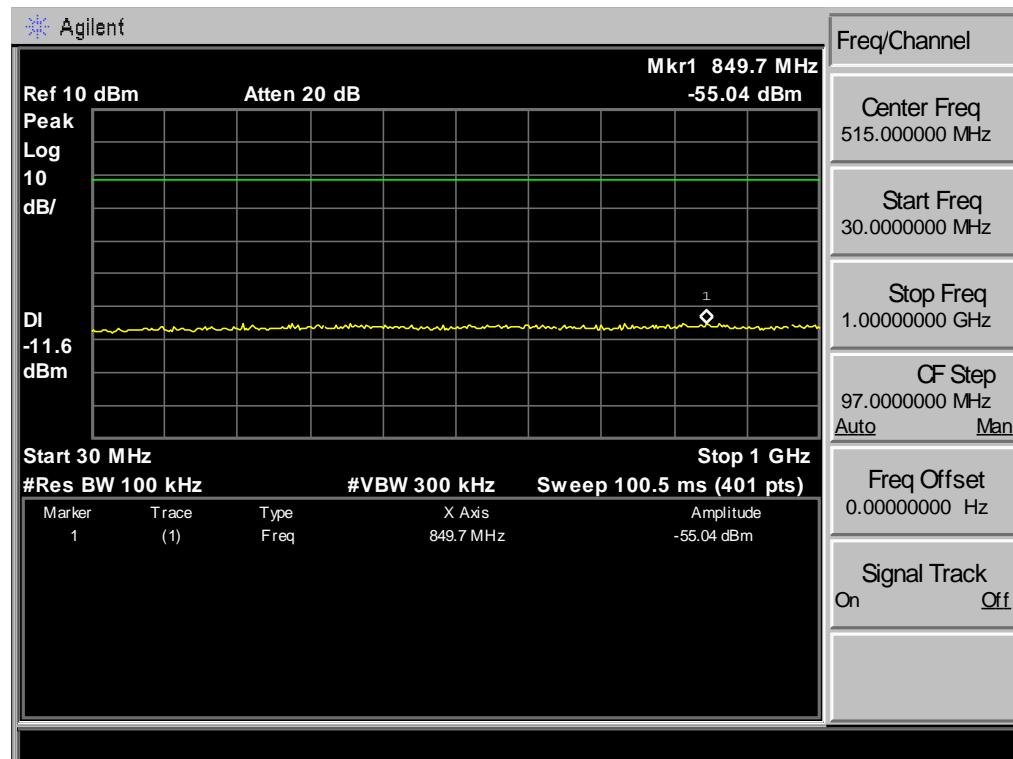


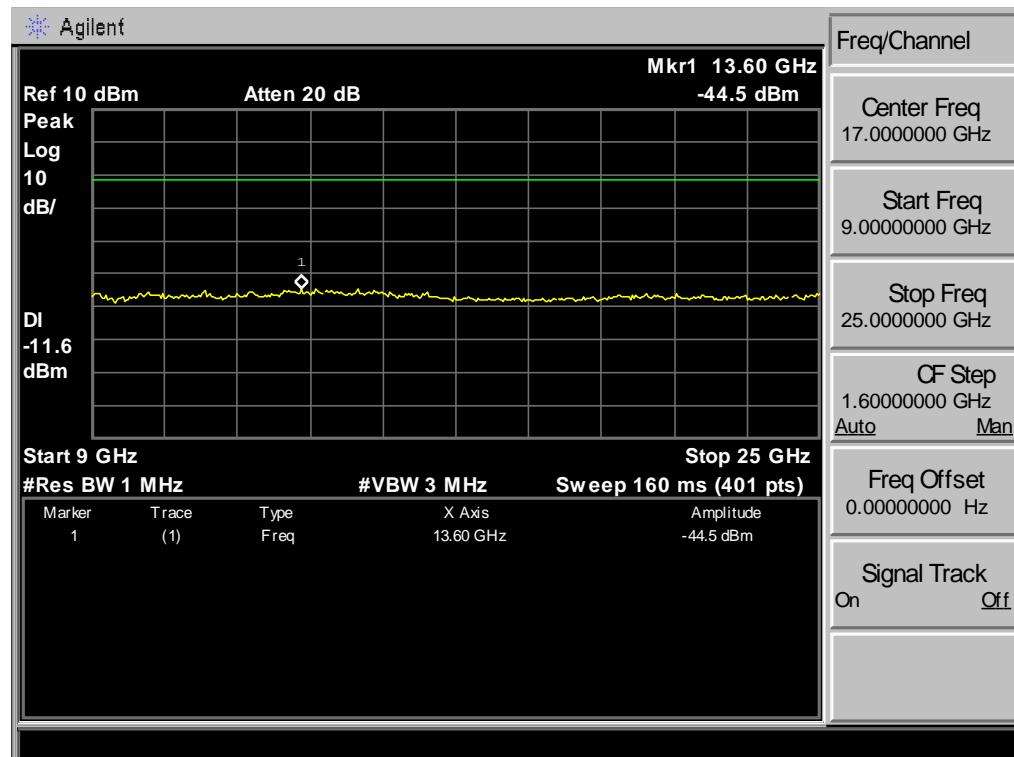
Test Mode: 8-DPSK 2402MHz



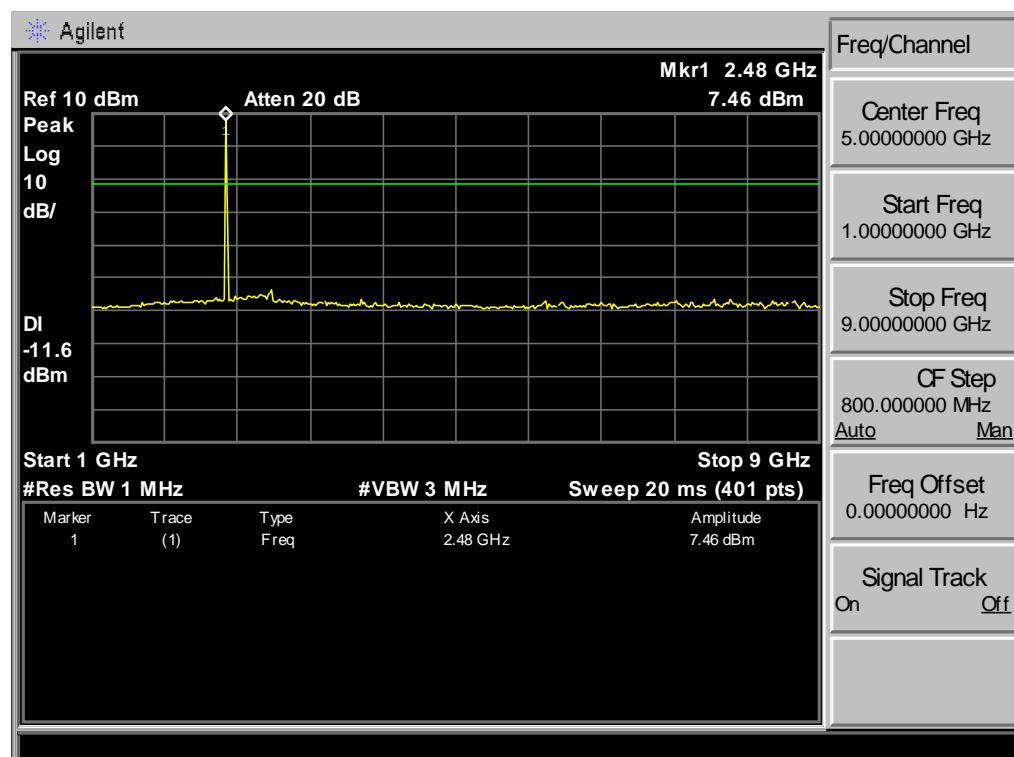
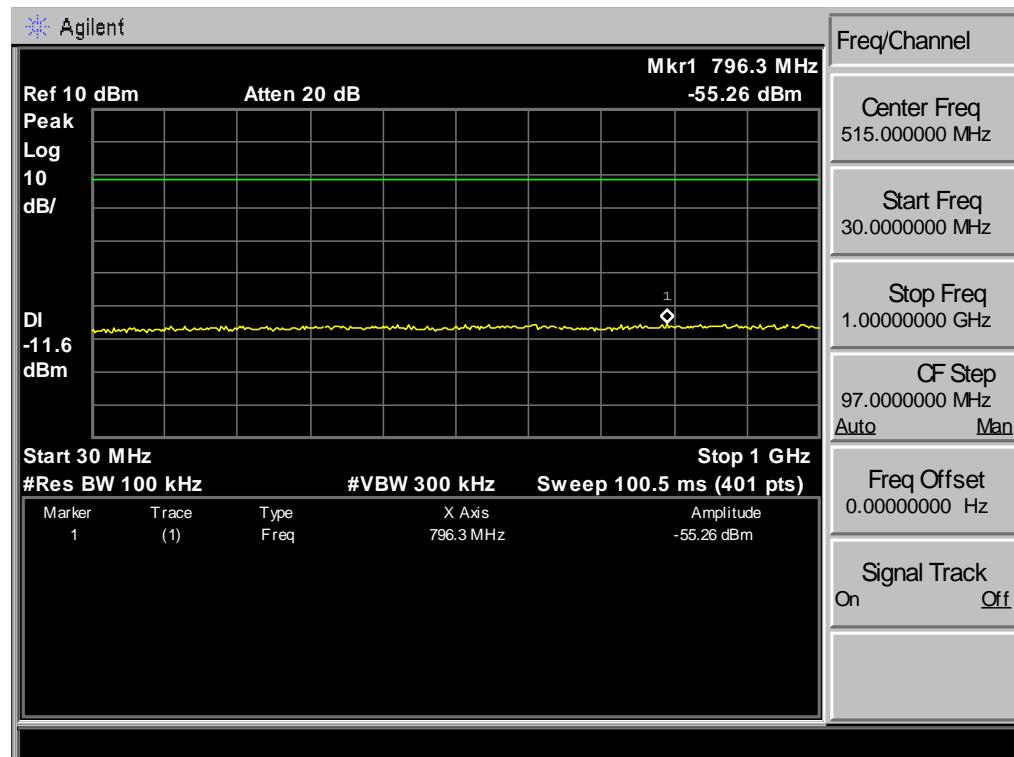


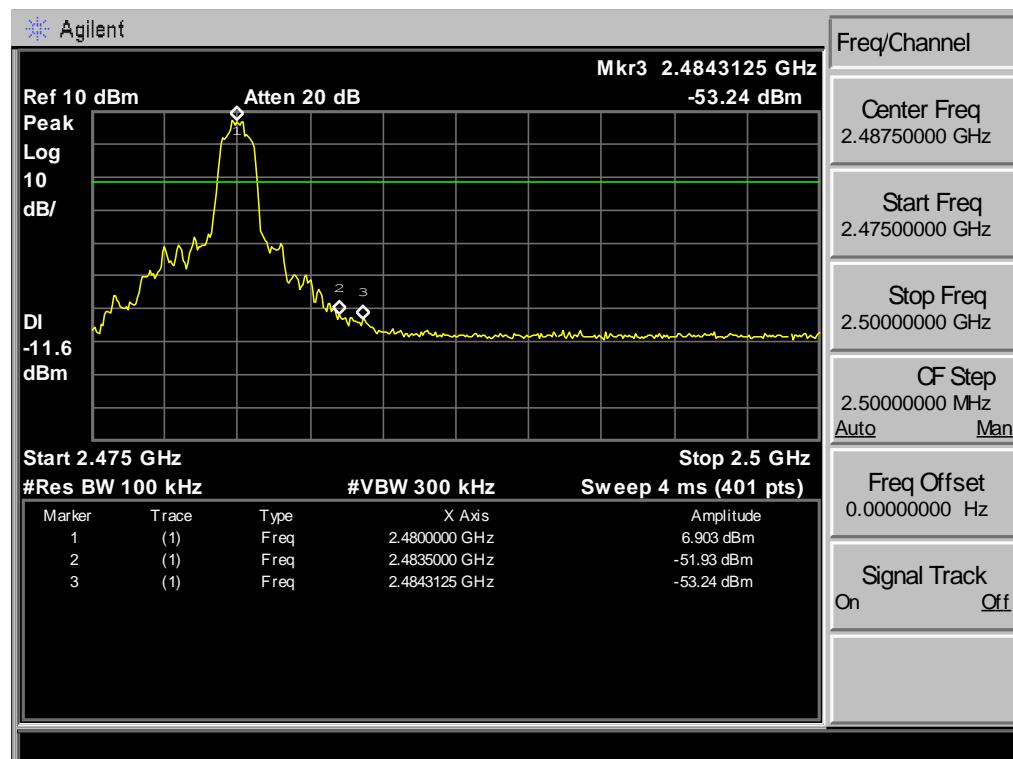
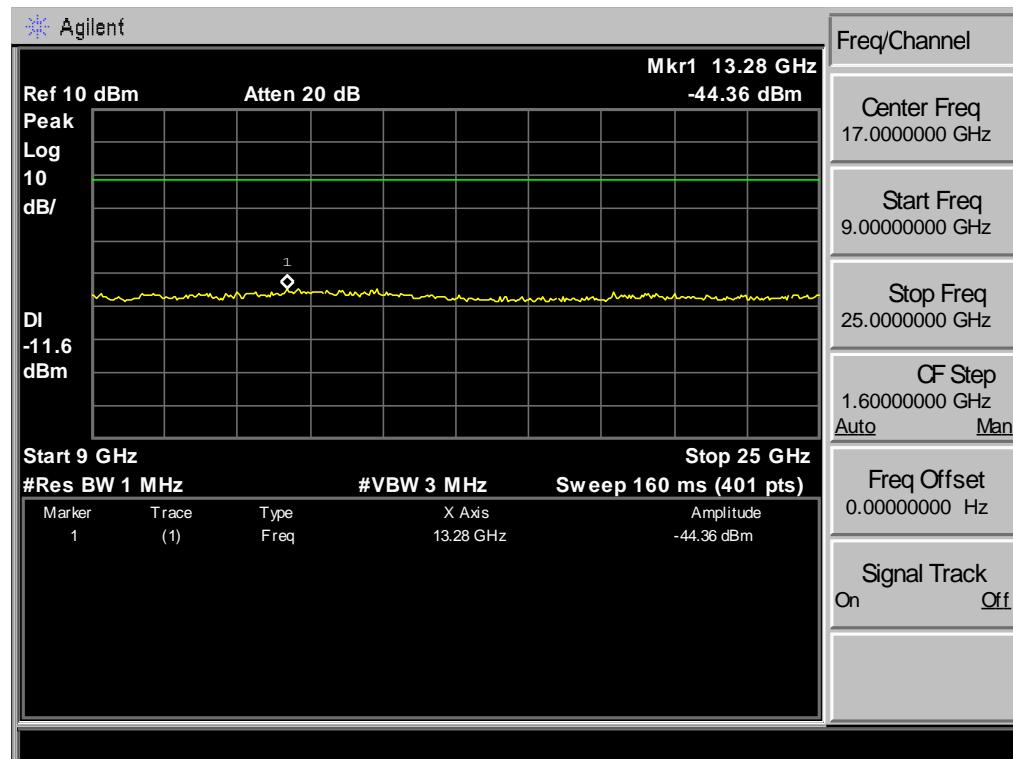
Test Mode: 8-DPSK 2441MHz





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.

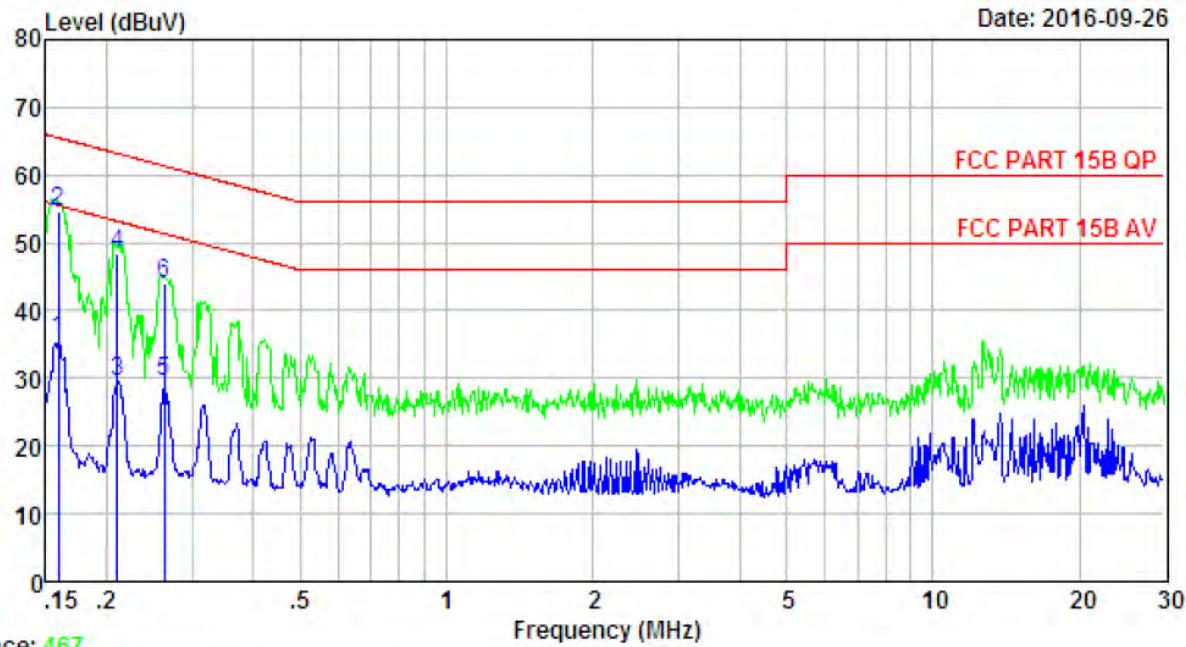
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

11.3. Test Result

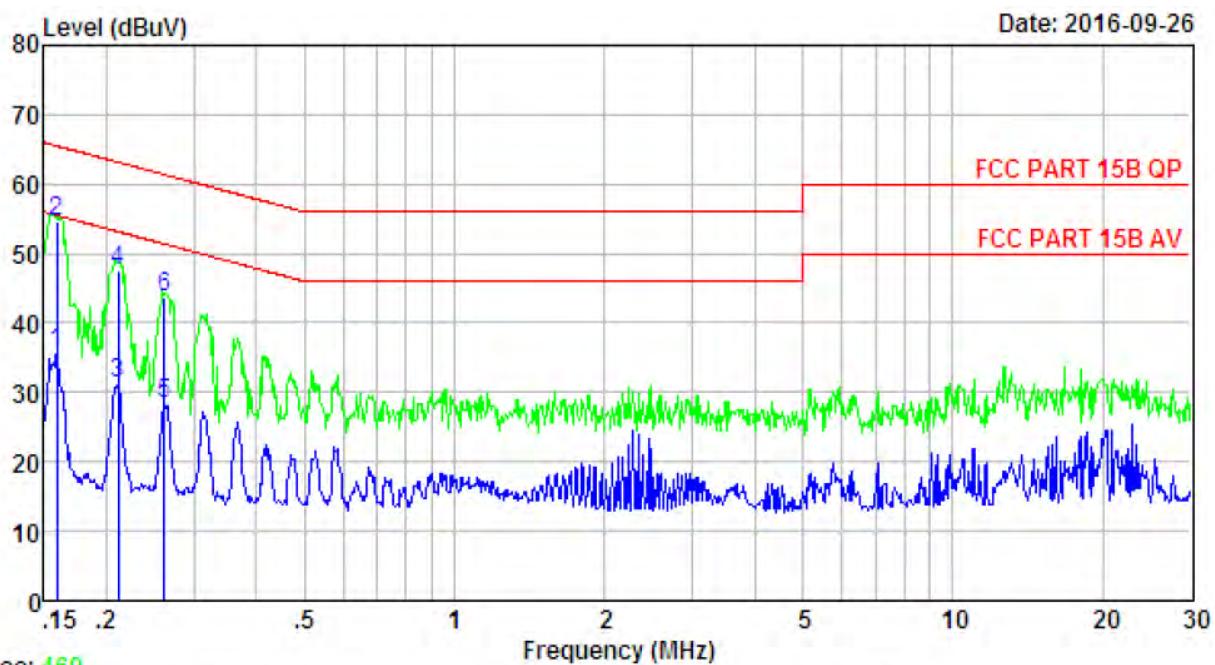
PASS. (All emissions not reported below are too low against the prescribed limits.)

11.4. Test data



Site no : 844 Shield Room Data no. : 468
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 240V/50Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

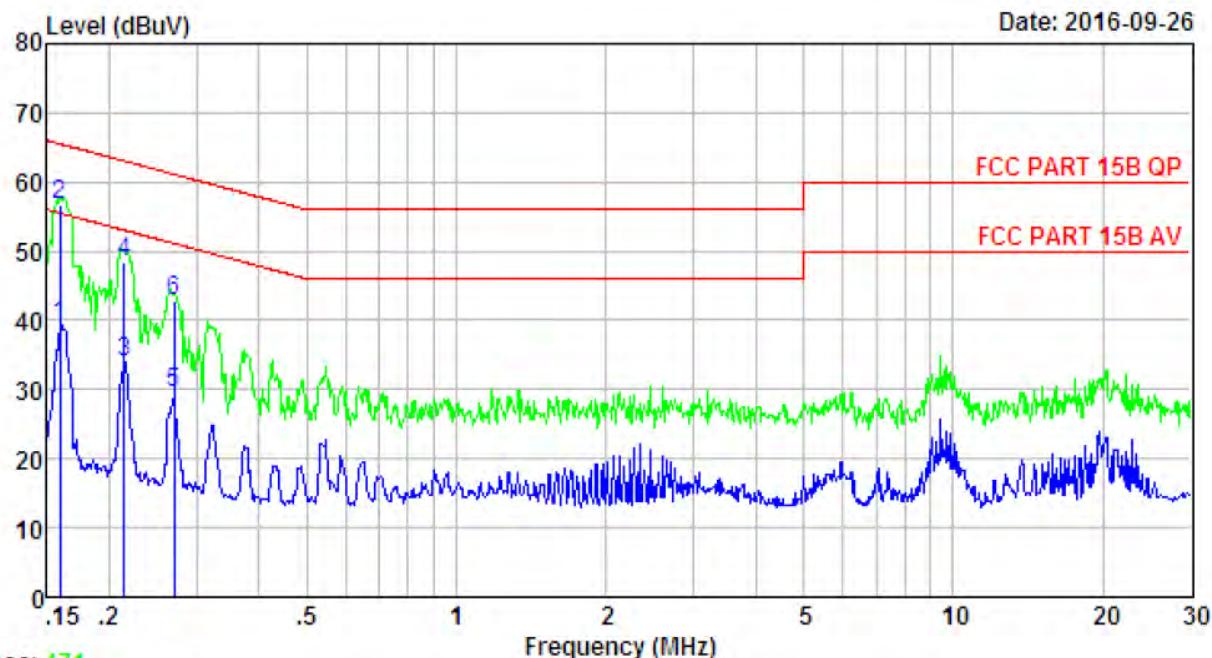
	LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)	(dB)	(dB)	(dBuV)	(dBuv)	(dBuv)	(dB)	
1	0.16	9.49	9.81	16.37	35.67	55.52	19.85
2	0.16	9.49	9.81	35.33	54.63	65.52	10.89
3	0.21	9.60	9.80	10.21	29.61	53.18	23.57
4	0.21	9.60	9.80	29.06	48.46	63.18	14.72
5	0.26	9.60	9.82	10.11	29.53	51.34	21.81
6	0.26	9.60	9.82	24.55	43.97	61.34	17.37



Trace: 469

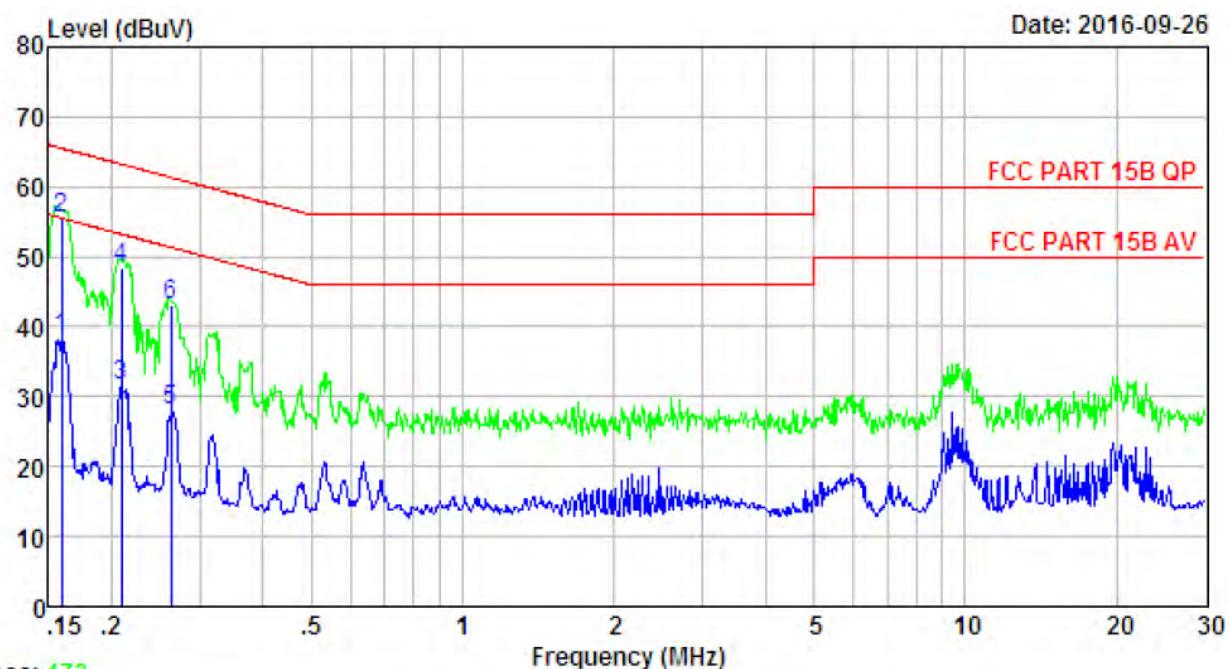
Site no : 844 Shield Room Data no. : 470
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 240V/50Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN	Cable	Emission			Margin (dB)	Remark
	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)		
1 0.16	9.61	9.81	16.19	35.61	55.52	19.91	Average
2 0.16	9.61	9.81	35.13	54.55	65.52	10.97	QP
3 0.21	9.61	9.80	11.96	31.37	53.14	21.77	Average
4 0.21	9.61	9.80	28.00	47.41	63.14	15.73	QP
5 0.26	9.61	9.82	8.87	28.30	51.38	23.08	Average
6 0.26	9.61	9.82	24.25	43.68	61.38	17.70	QP



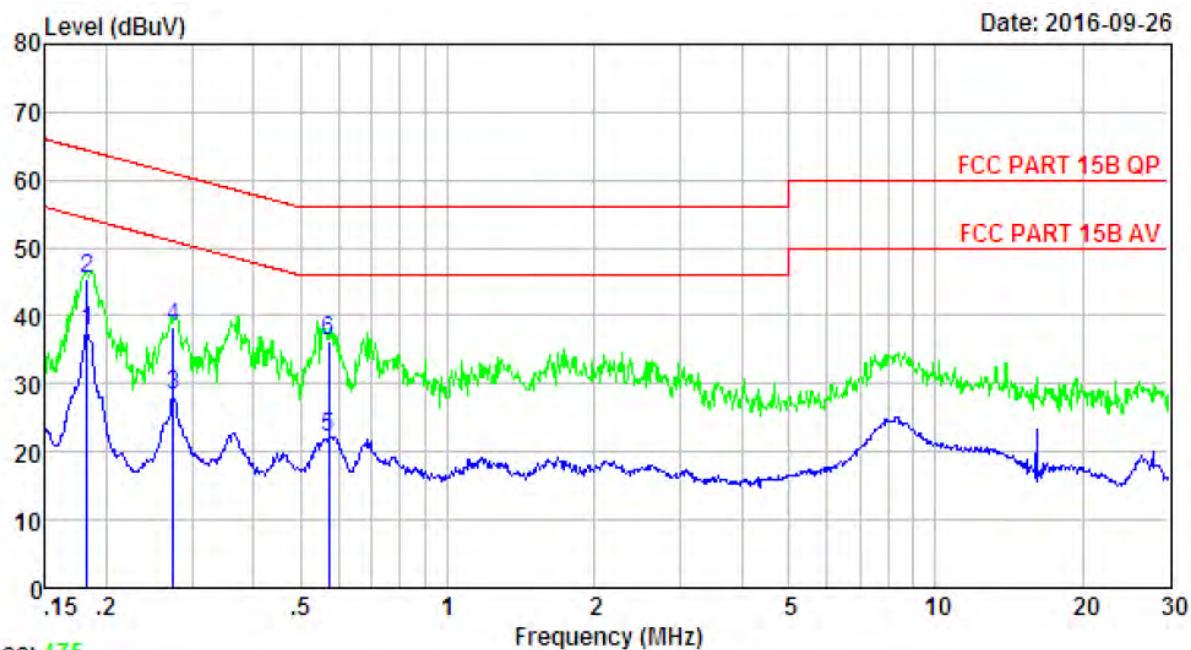
Site no : 844 Shield Room Data no. : 472
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN	Cable	Emission			Margin (dB)	Remark
	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)		
1 0.16	9.61	9.81	19.84	39.26	55.52	16.26	Average
2 0.16	9.61	9.81	37.13	56.55	65.52	8.97	QP
3 0.21	9.61	9.80	14.68	34.09	53.05	18.96	Average
4 0.21	9.61	9.80	29.00	48.41	63.05	14.64	QP
5 0.27	9.61	9.83	10.15	29.59	51.12	21.53	Average
6 0.27	9.61	9.83	23.50	42.94	61.12	18.18	QP



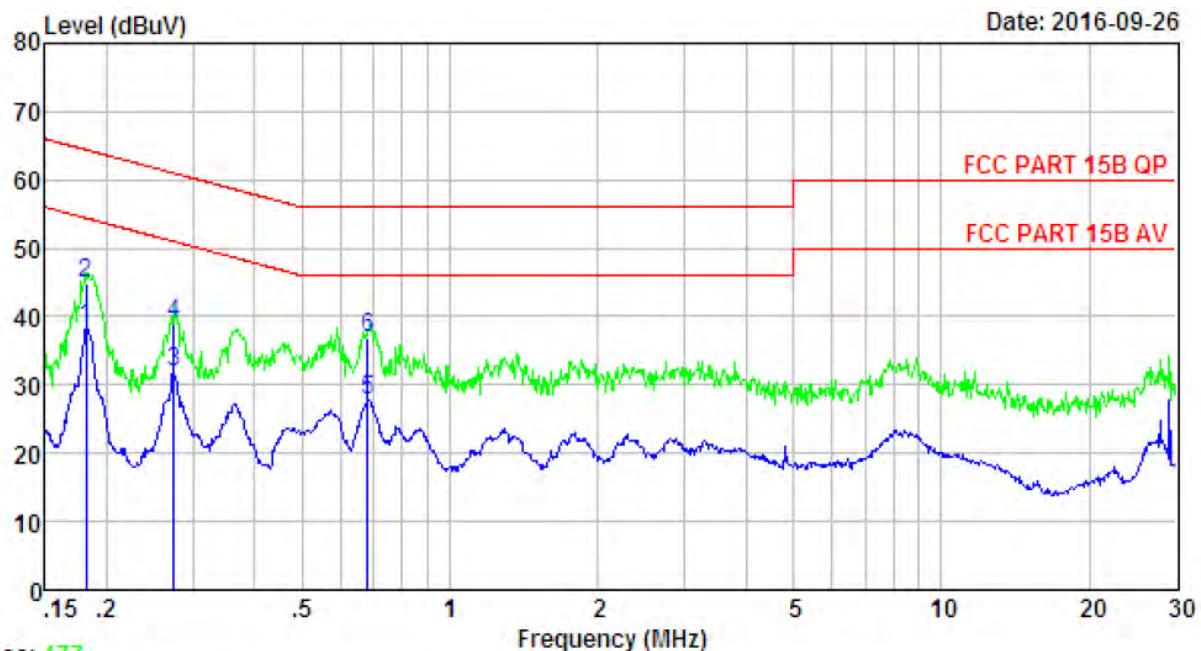
Site no : 844 Shield Room Data no. : 474
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.49	9.81	19.06	38.36	55.52	Average
2	0.16	9.49	9.81	36.33	55.63	65.52	QP
3	0.21	9.60	9.80	12.07	31.47	53.23	Average
4	0.21	9.60	9.80	29.05	48.45	63.23	QP
5	0.26	9.60	9.82	8.53	27.95	51.34	Average
6	0.26	9.60	9.82	23.55	42.97	61.34	QP



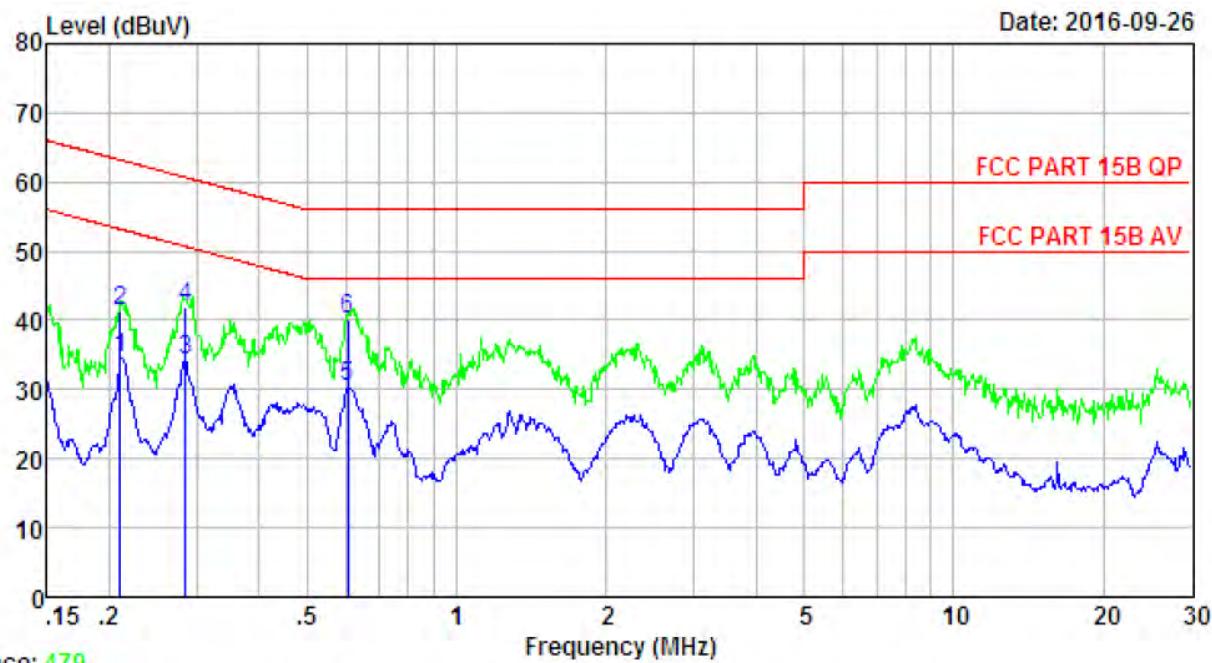
Site no : 844 Shield Room Data no. : 476
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN	Cable	Emission			Margin (dB)	Remark
	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)		
1	0.18	9.56	9.80	18.47	37.83	54.37	Average
2	0.18	9.56	9.80	25.97	45.33	64.37	QP
3	0.27	9.60	9.83	8.78	28.21	50.98	Average
4	0.27	9.60	9.83	18.85	38.28	60.98	QP
5	0.57	9.61	9.82	2.79	22.22	46.00	Average
6	0.57	9.61	9.82	16.87	36.30	56.00	QP



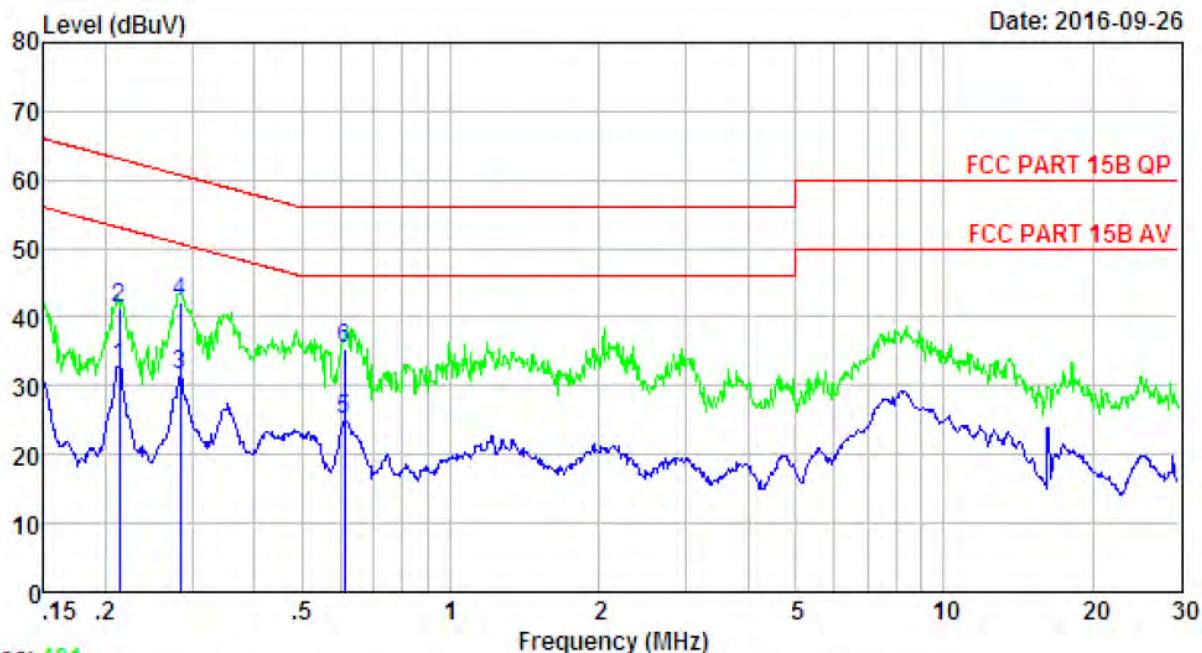
Site no : 844 Shield Room Data no. : 478
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN	Cable	Emission				Remark
	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuv)	Limits (dBuv)	Margin (dB)	
1	0.18	9.61	9.80	18.89	38.30	54.42	Average
2	0.18	9.61	9.80	25.57	44.98	64.42	QP
3	0.27	9.61	9.83	12.57	32.01	50.98	Average
4	0.27	9.61	9.83	19.50	38.94	60.98	QP
5	0.68	9.59	9.81	8.31	27.71	46.00	Average
6	0.68	9.59	9.81	17.42	36.82	56.00	QP



Site no : 844 Shield Room Data no. : 480
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 5V From Adapter Input AC 240V/50Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

	LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.21	9.61	9.80	15.08	34.49	53.18	Average
2	0.21	9.61	9.80	22.00	41.41	63.18	QP
3	0.28	9.61	9.83	14.73	34.17	50.68	Average
4	0.28	9.61	9.83	22.50	41.94	60.68	QP
5	0.60	9.60	9.82	10.98	30.40	46.00	Average
6	0.60	9.60	9.82	20.60	40.02	56.00	QP



Site no : 844 Shield Room Data no. : 482
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 5V From Adapter Input AC 240V/50Hz
 M/N : Beoplay A2 Active
 Test Mode : TX Mode

Freq. (MHz)	LISN	Cable	Emission			Margin (dB)	Remark
	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuv)	Limits (dBuv)		
1	0.21	9.60	9.80	13.37	32.77	53.10	Average
2	0.21	9.60	9.80	22.07	41.47	63.10	QP
3	0.28	9.60	9.83	12.06	31.49	50.72	Average
4	0.28	9.60	9.83	22.88	42.31	60.72	QP
5	0.61	9.61	9.82	5.60	25.03	46.00	Average
6	0.61	9.61	9.82	16.09	35.52	56.00	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 internal 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 0.09dBi.