



# TEST REPORT

**FCC ID: 2AHB2-ETSELPFB**

Applicant : Emerge Technologies, Inc  
Address : 1431 Greenway Drive Suite 800 Irving, TX 75038, USA

**Equipment Under Test (EUT):**

Name : Bluetooth Holiday Photo Booth Selfie Kit  
Model : ETSELPFB  
Trade Name : N/A

**Standards** : FCC PART 15, SUBPART C : 2015 (Section 15.247)

**Report No** : T1851104 01

**Date of Test** : August 17, 2015 – January 16, 2016

**Date of Issue** : January 16, 2016

**Tset Result** : **PASS**

In the configuration tested, the EUT complied with the standards specified above  
Authorized Signature

(Mark Zhu)  
Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Alpha Product Testing Co., Ltd. Or test done by Shenzhen Alpha Product Testing Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Alpha Product Testing Co., Ltd. Approvals in writing.

## Contents

<b>1. General Information.....</b>	<b>4</b>
1.1. Description of Device (EUT).....	4
1.2. Accessories of device (EUT) .....	5
1.3. Test Lab information .....	5
<b>2. Summary of test .....</b>	<b>6</b>
2.1. Summary of test result .....	6
2.2. Assistant equipment used for test.....	6
2.3. Block Diagram .....	7
2.4. Test mode .....	7
2.5. Test Conditions.....	8
2.6. Measurement Uncertainty (95% confidence levels, k=2).....	8
2.7. Test Equipment.....	9
<b>3. Maximum Peak Output power .....</b>	<b>10</b>
3.1. Limit.....	10
3.2. Test Procedure .....	10
3.3. Test Setup .....	10
3.4. Test Result.....	10
<b>4. Bandwidth .....</b>	<b>11</b>
4.1. Limit.....	11
4.2. Test Procedure .....	11
4.3. Test Result.....	11
<b>5. Carrier Frequency Separation.....</b>	<b>17</b>
5.1. Limit.....	17
5.2. Test Procedure .....	17
5.3. Test Result.....	17
<b>6. Number Of Hopping Channel .....</b>	<b>20</b>
6.1. Limit.....	20
6.2. Test Procedure .....	20
6.3. Test Result.....	20
<b>7. Dwell Time.....</b>	<b>23</b>
7.1. Test limit .....	23
7.2. Test Procedure.....	23
7.3. Test Results .....	23
<b>8. Radiated emissions.....</b>	<b>30</b>
8.1. Limit.....	30
8.2. Block Diagram of Test setup.....	31
8.3. Test Procedure .....	32
8.4. Test Result.....	32
<b>9. Band Edge Compliance .....</b>	<b>44</b>
9.1. Block Diagram of Test Setup .....	44
9.2. Limit.....	44
9.3. Test Procedure .....	44
9.4. Test Result.....	44

---

<b>10. Power Line Conducted Emissions .....</b>	<b>63</b>
10.1. Block Diagram of Test Setup .....	63
10.2. Limit.....	63
10.3. Test Procedure .....	63
10.4. Test Result.....	64
<b>11. Antenna Requirements.....</b>	<b>67</b>
11.1. Limit.....	67
11.2. Result.....	67
<b>12. Test setup photo .....</b>	<b>68</b>
12.1. Photos of Radiated emission .....	68
12.2. Photos of Conducted Emission test.....	69
<b>13. Photos of EUT .....</b>	<b>70</b>

## 1. General Information

### 1.1. Description of Device (EUT)

EUT	:	Bluetooth Holiday Photo Booth Selfie Kit
Model No.	:	ETSELFPHB
DIFF	:	N/A
Trade mark	:	N/A
Power supply	:	DC3.7V from internal battery or DC 5V From USB port
Radio Technology	:	Bluetooth 3.0+EDR
Operation frequency	:	2402-2480MHz
Modulation	:	GFSK, $\pi/4$ DQPSK, 8-DPSK
Antenna Type	:	Integrated Antenna, max gain 0Bi.
Adapter	:	N/A
Applicant	:	Emerge Technologies, Inc
Address	:	1431 Greenway Drive Suite 800 Irving, TX 75038, USA
Manufacturer	:	Shenzhen Tilv Technology Co., Ltd.
Address	:	4/F-B, Building B, 2nd Xianshun Industrial Area, No. 6, Qinhui Rd., Gushu Community, Xixiang St., Baoan District, Shenzhen, China

## 1.2. Accessories of device (EUT)

Accessories : Cable

Type : N/A

## 1.3. Test Lab information

Shenzhen Alpha Product Testing Co., Ltd.

2F, Building B, East Area of Nanchang Second Industrial Zone,  
Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China

FCC Registered No.: 203110

## 2. Summary of test

### 2.1. Summary of test result

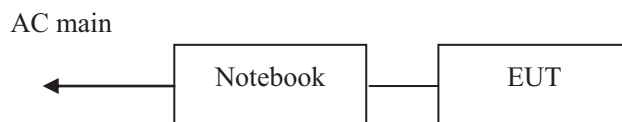
Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) ANSI C63.4 :2014	PASS
Bandwidth	FCC Part 15: 15.215 ANSI C63.4 :2014	PASS
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) ANSI C63.4 :2014	PASS
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014	PASS
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4 :2014	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) ANSI C63.4 :2014	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4 :2014	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
Note: Test with the test procedure Blue tool.		

### 2.2. Assistant equipment used for test

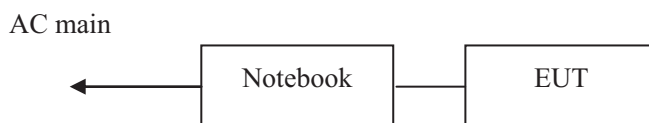
Description	:	Notebook
Manufacturer	:	ACER
Model No.	:	ZQT
Remark: FCC DOC approved		

## 2.3. Block Diagram

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



2, For Power Line Conducted Emissions Test: EUT was connected to notebook by 0.6m USB line



## 2.4. Test mode

The test software “Bluetool.exe” was used to control EUT work in Continuous TX mode, and select test channel, wireless mode.

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
GFSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
$\pi/4$ DQPSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
8- DPSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480

## 2.5. Test Conditions

Temperature range	21-25°C
Humidity range	40-75%
Pressure range	86-106kPa

## 2.6. Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB	Polarize: V
	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	$1 \times 10^{-9}$	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2°C	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	



## 2.7. Test Equipment

Equipment	Manufacture	Model No.	Serial No.	Cal. Due day	Cal Interval
3m Semi-Anechoic	ETS-LINDGREN	N/A	SEL0017	2016.01.19	1 Year
Spectrum analyzer	Agilent	E4407B	MY49510055	2016.01.19	1 Year
Receiver	R&S	ESCI	101165	2016.01.19	1 Year
Bilog Antenna	SCHWARZBECK	VULB 9168	9168-438	2016.01.21	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2016.01.21	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170 D(1432)	2016.01.21	2 Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	MY6562/4	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	309972/4	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	329112/4	2016.01.19	1 Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126466	2016.01.19	1 Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2016.01.19	1 Year
Power Meter	Anritsu	ML2487A	6K00001491	2016.01.19	1 Year
Power sensor	Anritsu	ML2491A	32516	2016.01.19	1 Year
Pre-amplifier	SCHWARZBECK	BBV9743	9743-019	2016.01.19	1 Year
Pre-amplifier	Quietek	AP-180C	CHM-0602012	2016.01.19	1 Year

### 3. Maximum Peak Output power

#### 3.1. Limit

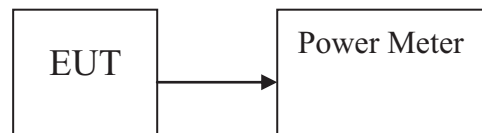
Please refer section 15.247.

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W

#### 3.2. Test Procedure

The transmitter output is connected to the RF Power Meter. The RF Power Meter is set to the peak power detection.

#### 3.3. Test Setup



#### 3.4. Test Result

EUT: Bluetooth Holiday Photo Booth Selfie Kit			M/N: ETSELFPHB	
Test date: 2016-01-11		Test site: RF site		Tested by: Reak
Mode	Freq (MHz)	PK Output Power (dBm)	PK Output Power (mW)	Limit (dBm)
GFSK	2402	3.558	2.269	21
	2441	3.083	2.034	21
	2480	2.876	1.939	21
$\pi/4$ DQPSK,	2402	1.794	1.511	21
	2441	2.418	1.745	21
	2480	2.324	1.708	21
8- DPSK	2402	1.994	1.583	21
	2441	2.568	1.806	21
	2480	2.426	1.748	21
Conclusion: PASS				

## 4. Bandwidth

### 4.1. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

### 4.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

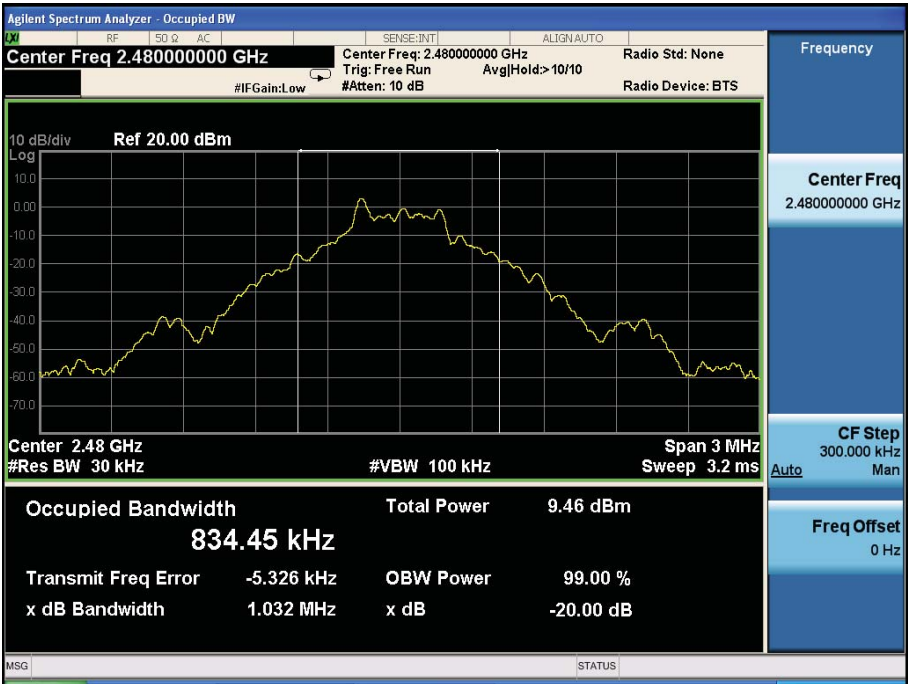
### 4.3. Test Result

EUT: Bluetooth Holiday Photo Booth Selfie Kit			M/N: ETSELFPHB	
Test date: 2016-01-11		Test site: RF site		Tested by: Reak
Mode	Freq (MHz)	20dB Bandwidth (KHz)	Limit (kHz)	Conclusion
GFSK	2402	835.1	/	PASS
	2441	828.3	/	PASS
	2480	1032	/	PASS
$\pi$ /4 DQPSK	2402	1282	/	PASS
	2441	1278	/	PASS
	2480	1281	/	PASS
8- DPSK	2402	1259	/	PASS
	2441	1262	/	PASS
	2480	1258	/	PASS

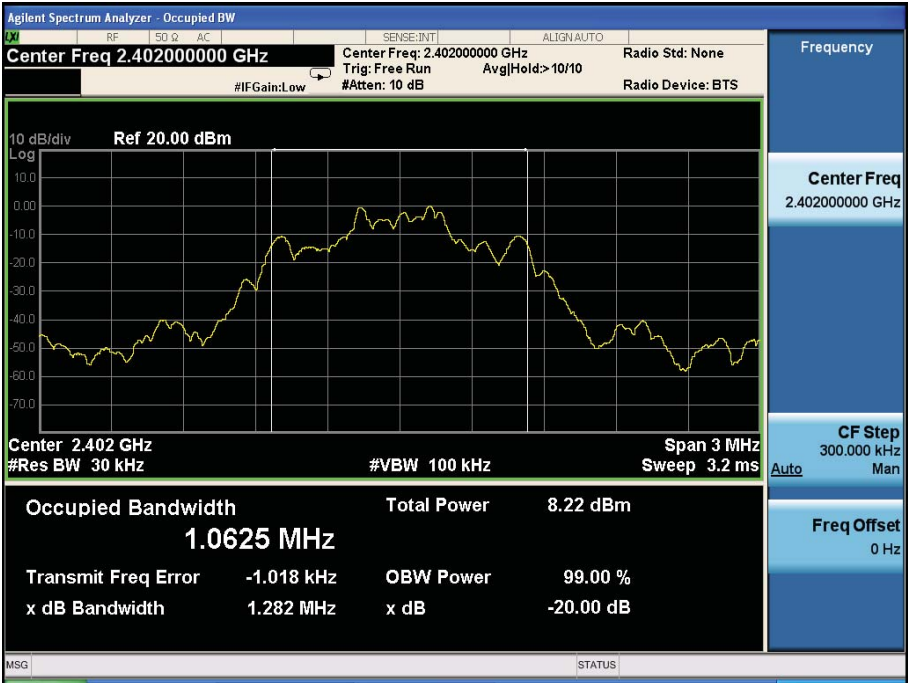
Remark: Peak detector is used

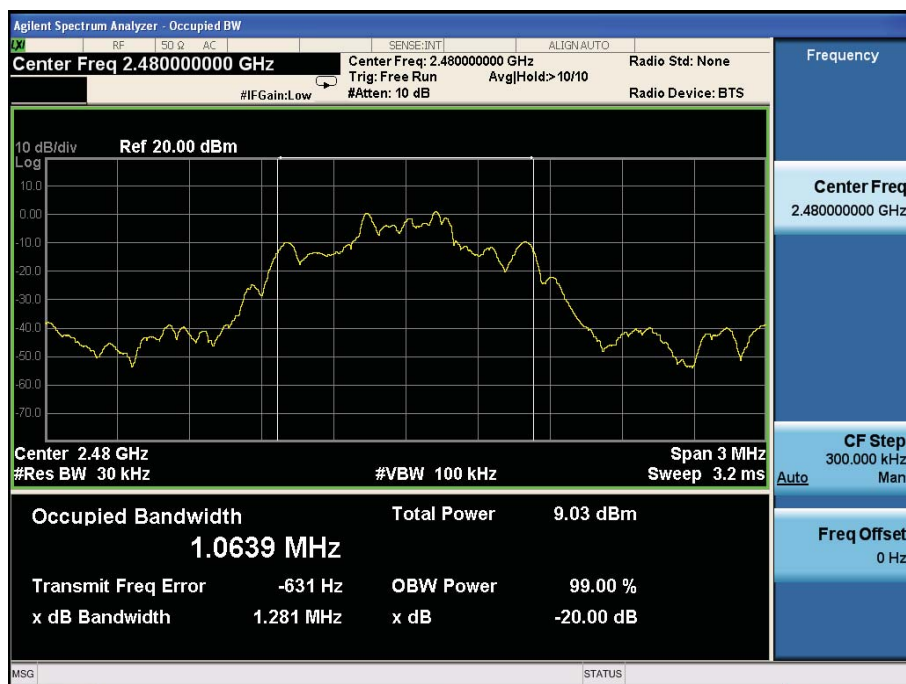
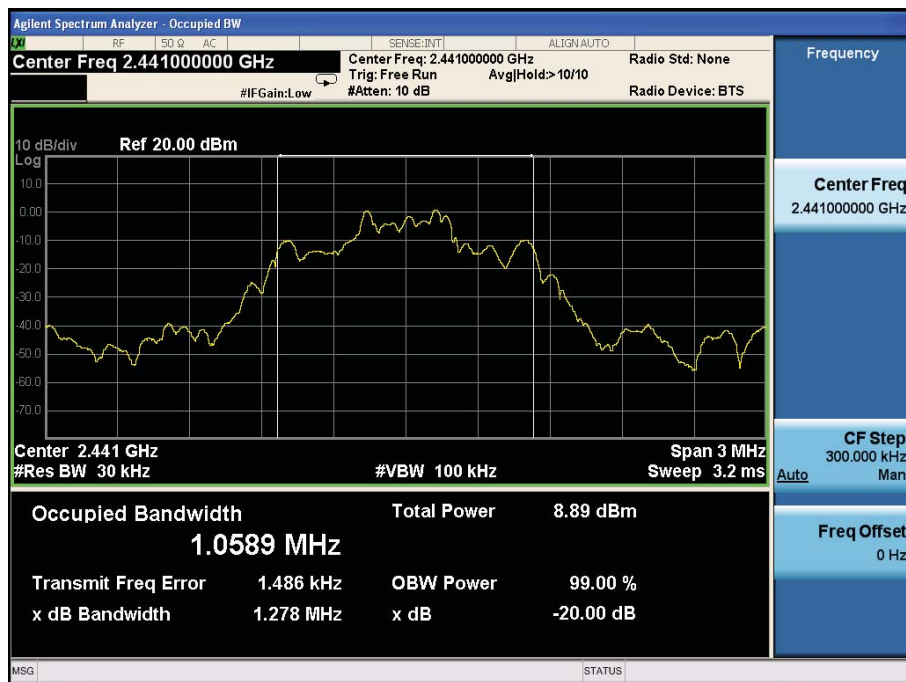
Original Test data For 20dB bandwidth  
GFSK:



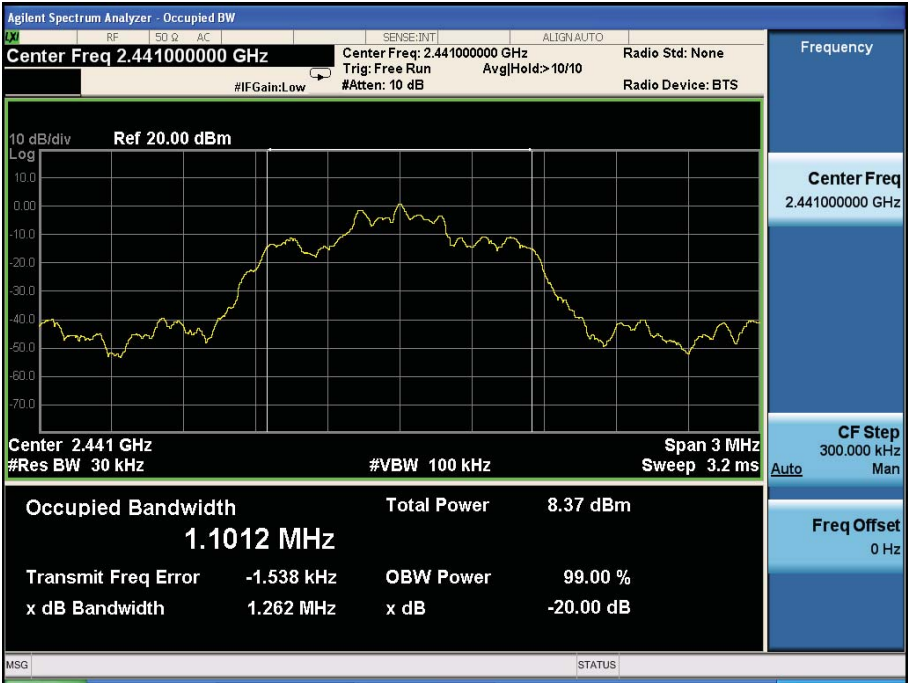
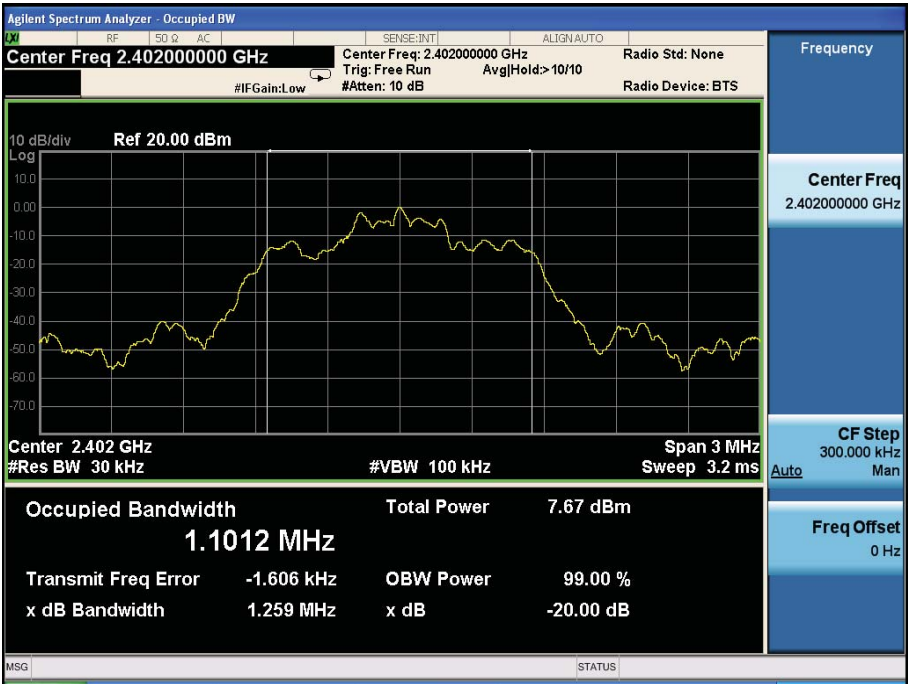


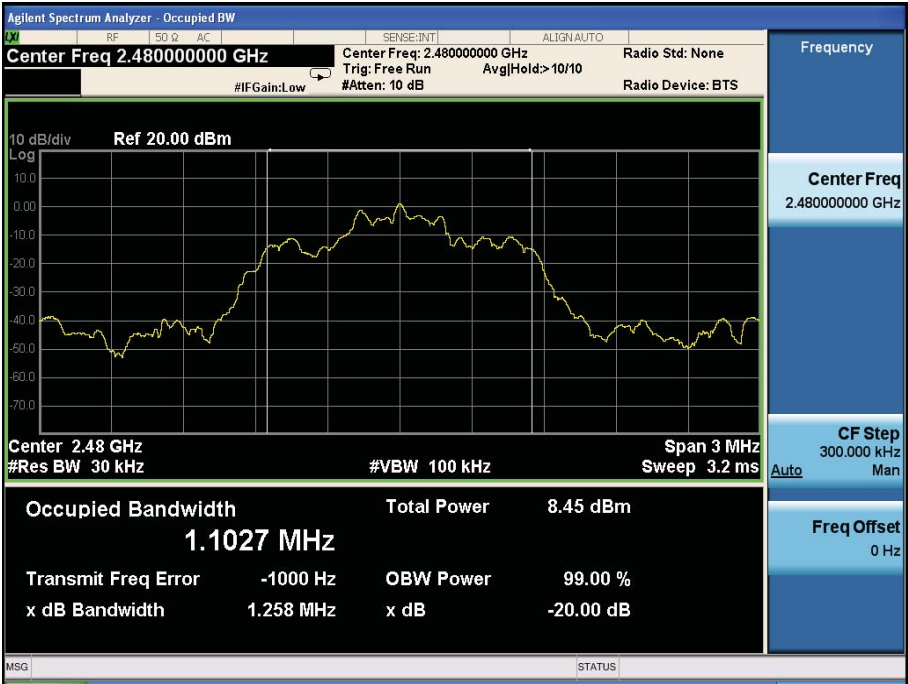
$\pi/4$  DQPSK:





8- DPSK:







## 5. Carrier Frequency Separation

### 5.1. Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW

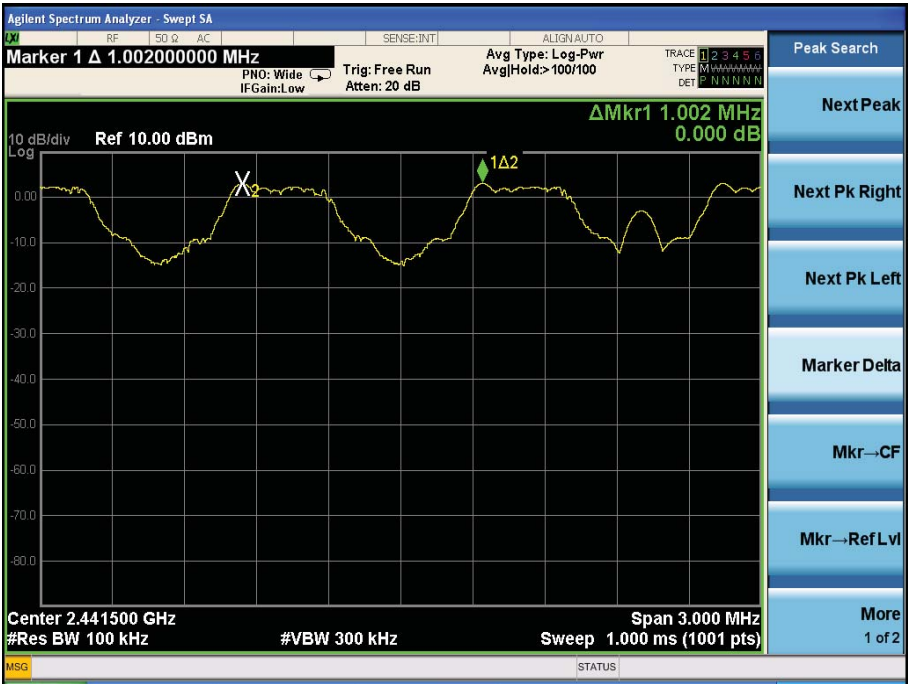
### 5.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW.

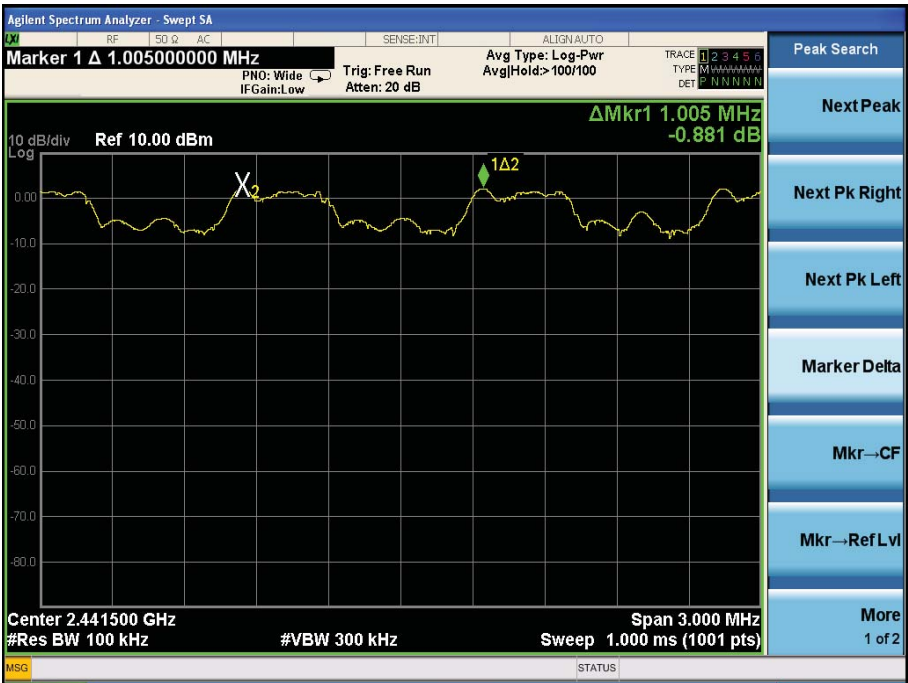
### 5.3. Test Result

EUT: Bluetooth Holiday Photo Booth Selfie Kit    M/N: ETSELFPHB				
Test date: 2016-01-11		Test site: RF site		Tested by: Reak
Mode/Channel	Channel separation (MHz)	20dB Bandwidth (KHz)	Limit (MHz) 2/3 20dB bandwidth	Conclusion
GFSK	1.002	1032.0	688	PASS
$\pi$ /4 DQPSK	1.005	1282.0	855	PASS
8- DPSK	1.002	1262.0	841.33	PASS

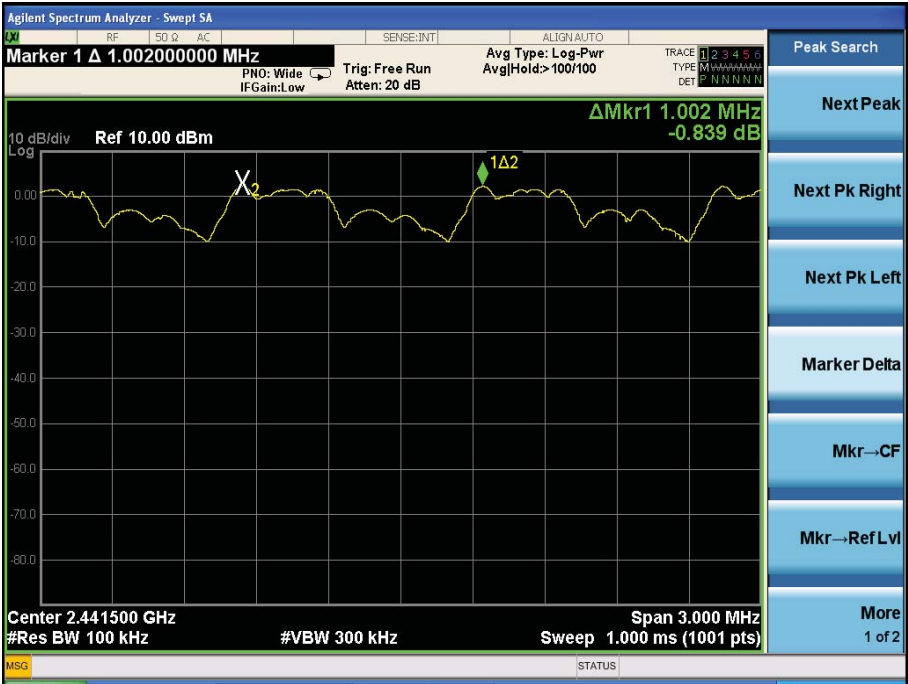
Original test data for channel separation  
GFSK



$\pi/4$  DQPSK



8- DPSK:



## 6. Number Of Hopping Channel

### 6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

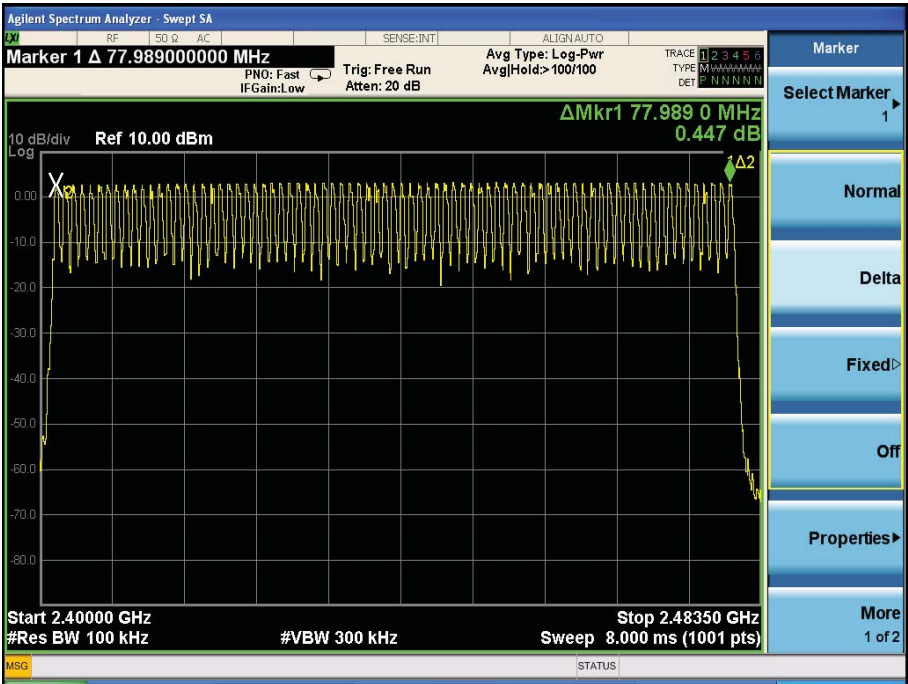
### 6.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW.

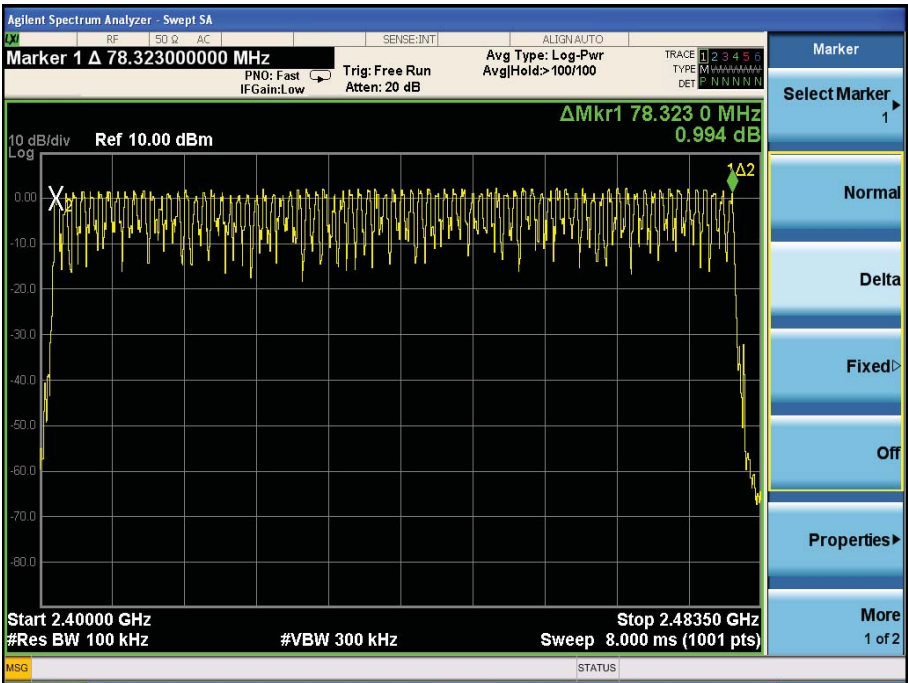
### 6.3. Test Result

EUT: Bluetooth Holiday Photo Booth Selfie Kit    M/N: ETSELFPHB			
Test date: 2016-01-11		Test site: RF site	Tested by: Reak
Mode	Number of hopping channel	Limit	Conclusion
GFSK	79	>15	PASS
$\pi/4$ DQPSK	79	>15	PASS
8- DPSK	79	>15	PASS

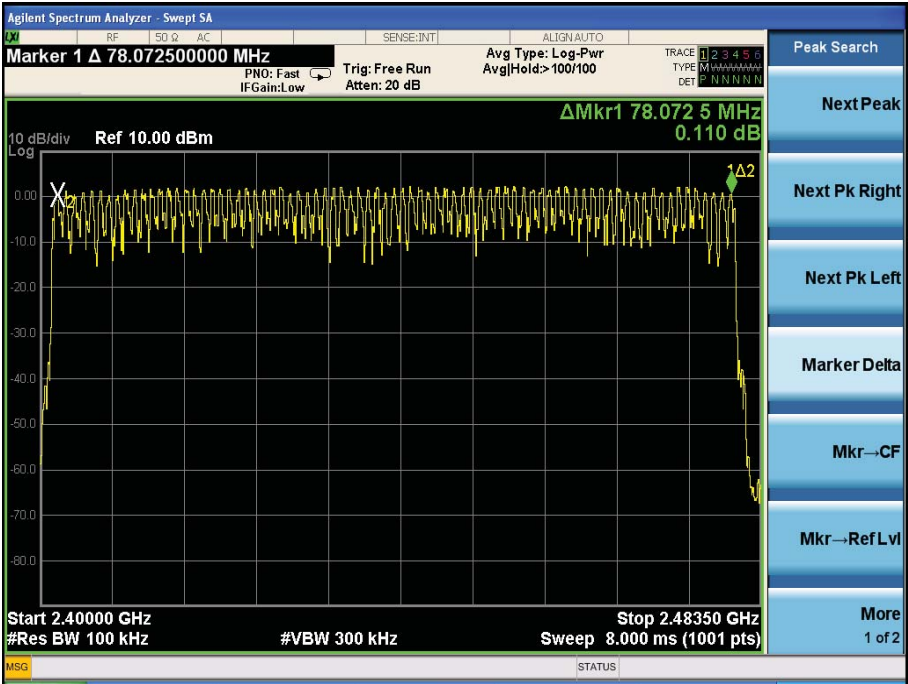
Original test data for hopping channel number  
GFSK



$\pi/4$  DQPSK



8- DPSK:



## 7. Dwell Time

### 7.1. Test limit

Please refer section 15.247

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 sec- onds multiplied by the number of hopping channel employed.

### 7.2. Test Procedure

7.2.1. Place the EUT on the table and set it in transmitting mode.

7.2.2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

7.2.3. Set center frequency of spectrum analyzer = operating frequency.

7.2.4. Set the spectrum analyzer as RBW, VBW=1MHz, Span = 0Hz, Sweep = auto.

7.2.5. Repeat above procedures until all frequency measured were complete.

### 7.3. Test Results

PASS.

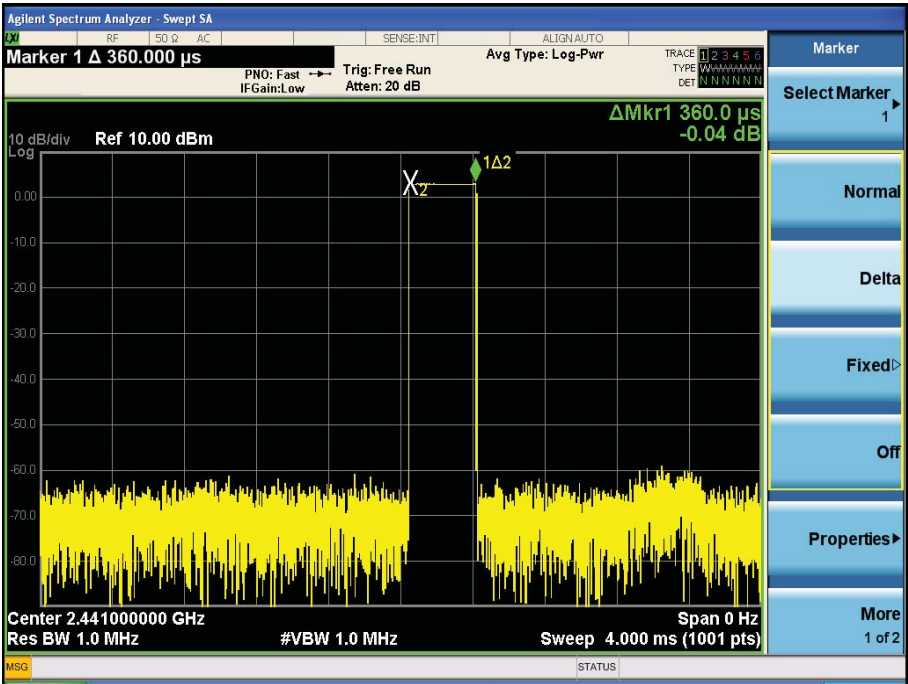
Detailed information please see the following page.

EUT: Bluetooth Holiday Photo Booth Selfie Kit      M/N: ETSELFPHB						
Test date: 2016-01-12		Test site: RF site		Tested by: Reak		
Mode	Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limit (s)	Conclusion
GFSK	DH1	2441	0.360	0.23	<0.4	PASS
	DH3	2441	1.616	0.345	<0.4	PASS
	DH5	2441	2.868	0.367	<0.4	PASS
$\pi$ /4 DQPSK	DH1	2441	0.376	0.241	<0.4	PASS
	DH3	2441	1.616	0.345	<0.4	PASS
	DH5	2441	2.880	0.369	<0.4	PASS
8- DPSK	DH1	2441	0.376	0.241	<0.4	PASS
	DH3	2441	1.624	0.346	<0.4	PASS
	DH5	2441	2.864	0.367	<0.4	PASS
<p>Note: 1 A period time = 0.4 (s) * 79 = 31.6(s)</p> <p>2 DH1 time slot = Pulse Duration * (1600/(1*79)) * A period time/1000</p> <p>DH3 time slot = Pulse Duration * (1600/(3*79)) * A period time/1000</p> <p>DH5 time slot = Pulse Duration * (1600/(5*79)) * A period time/1000</p>						

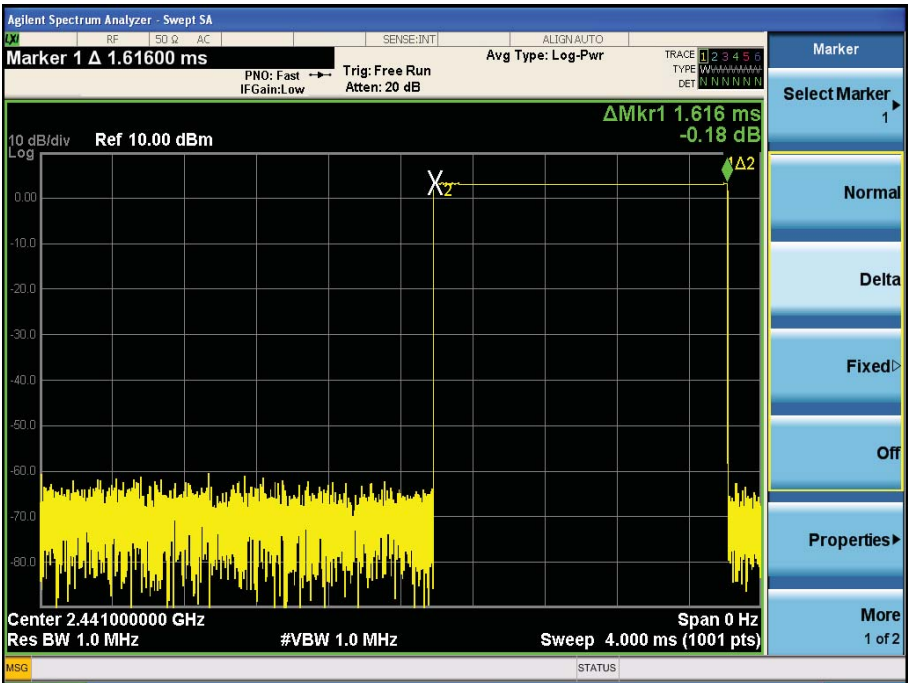


GFSK

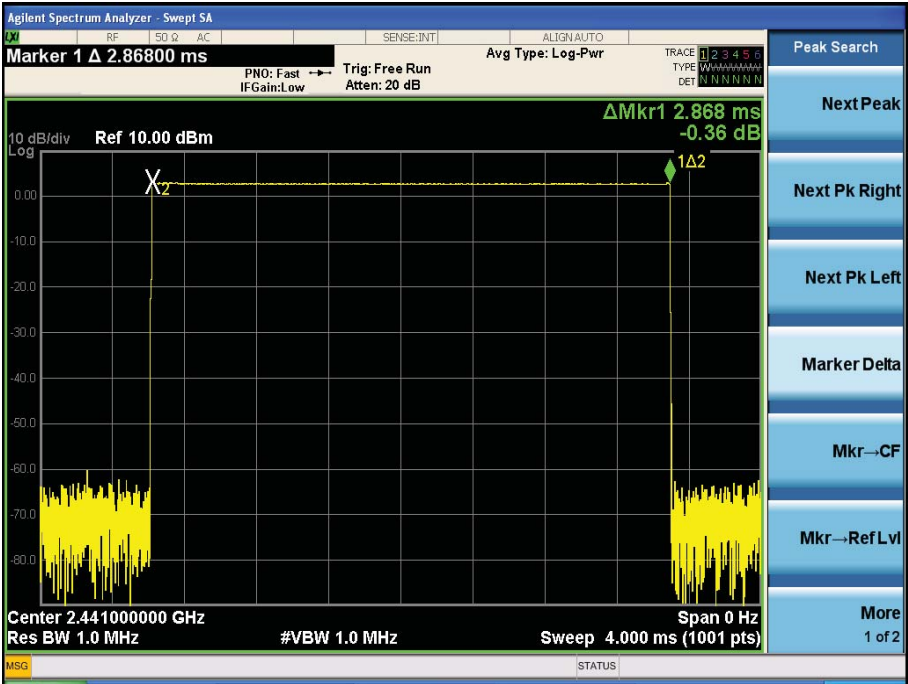
DH1:



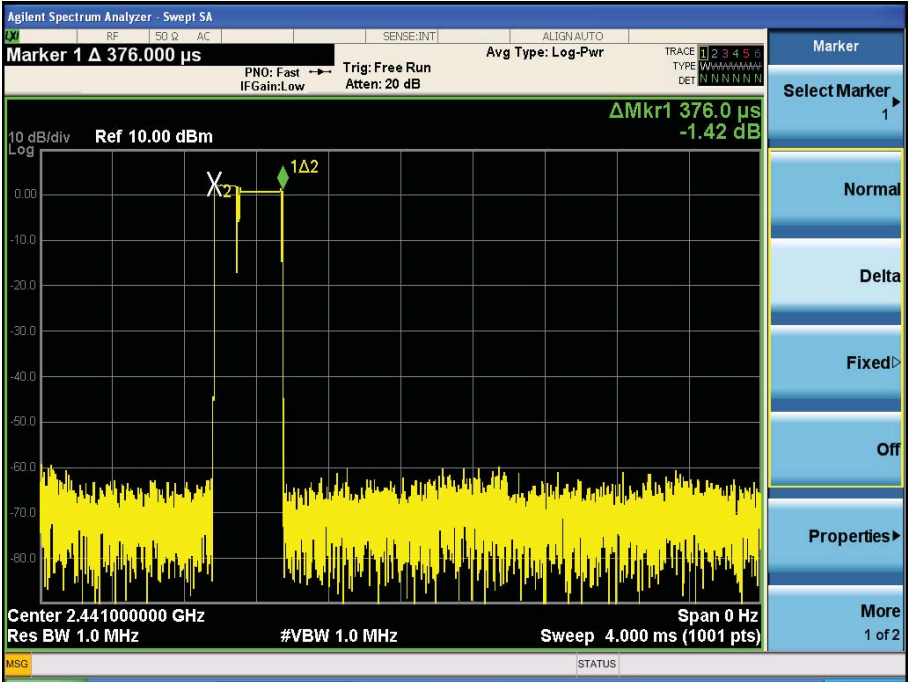
DH3:



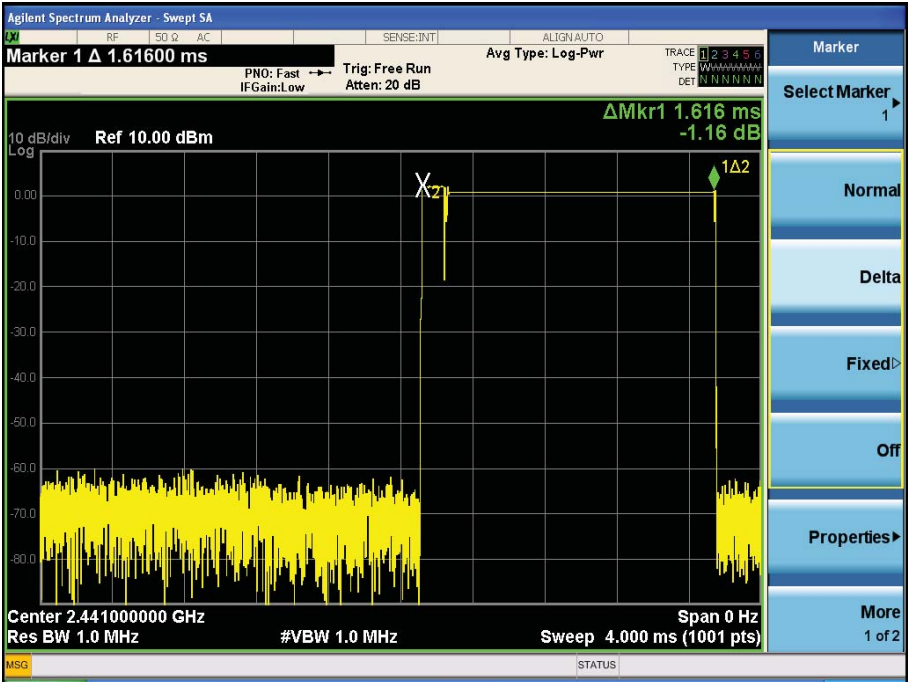
DH5



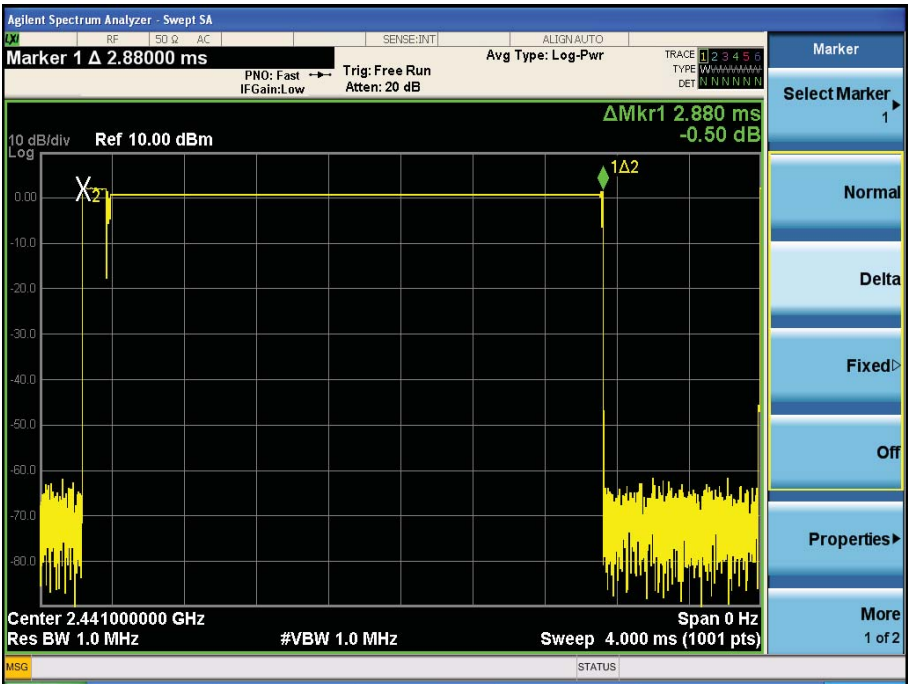
$\pi/4$  DQPSK  
DH1



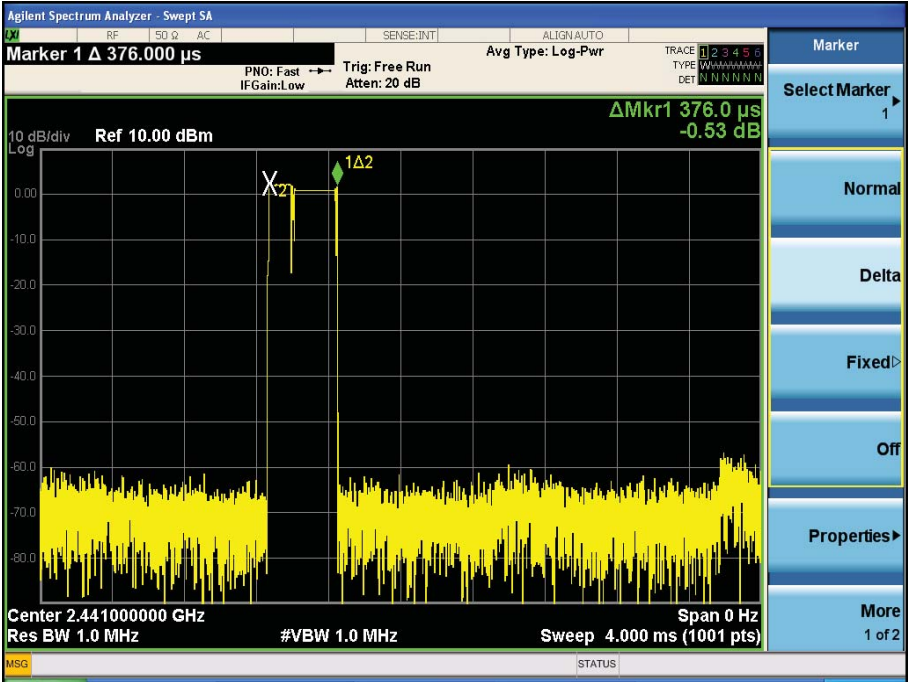
DH3



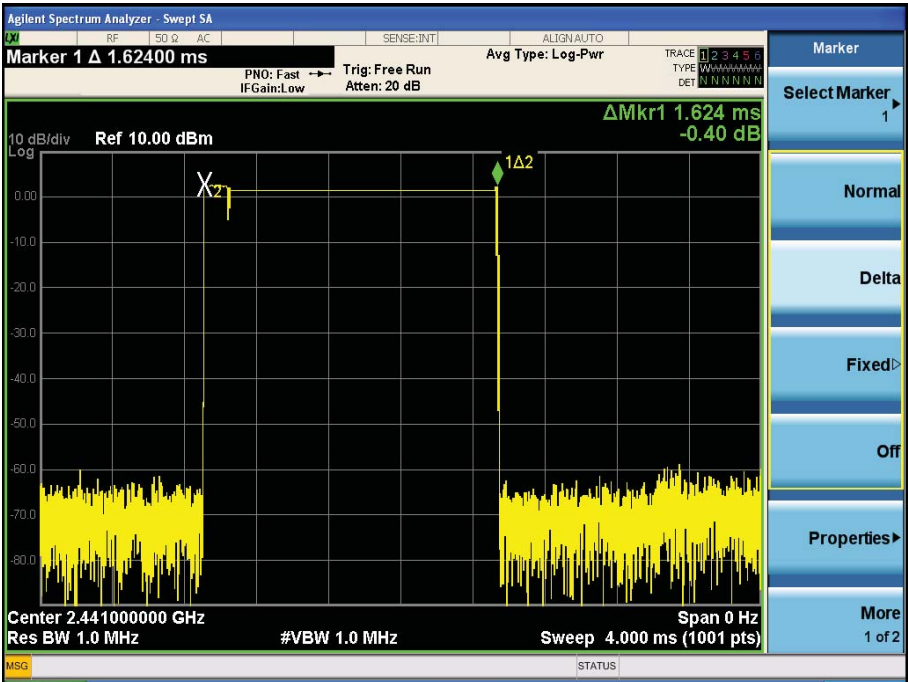
DH5



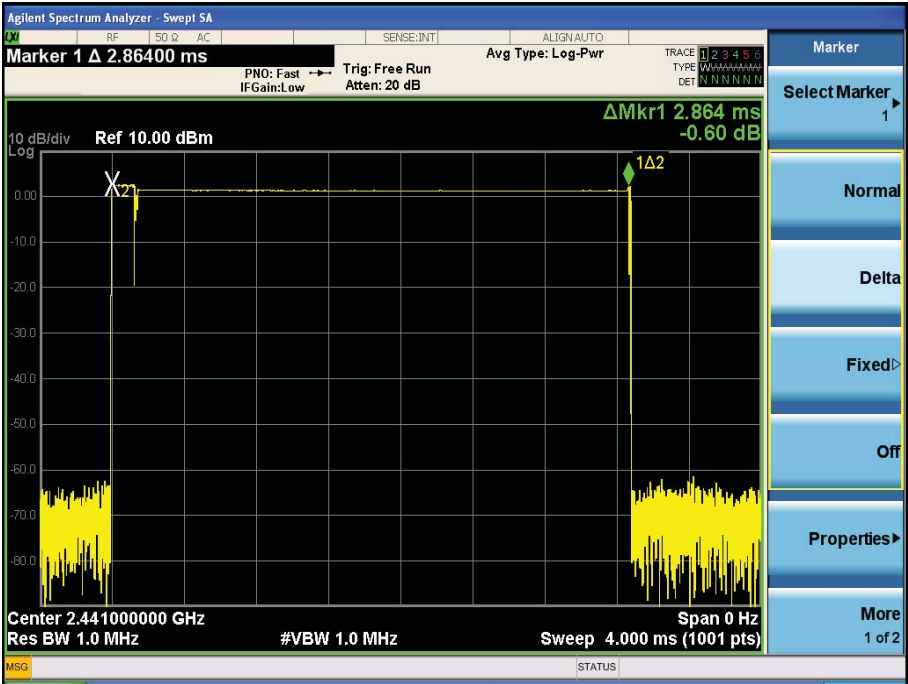
8- DPSK:  
DH1:



DH3:



DH5:



## 8. Radiated emissions

### 8.1. Limit

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

#### 15.205 Restricted frequency band

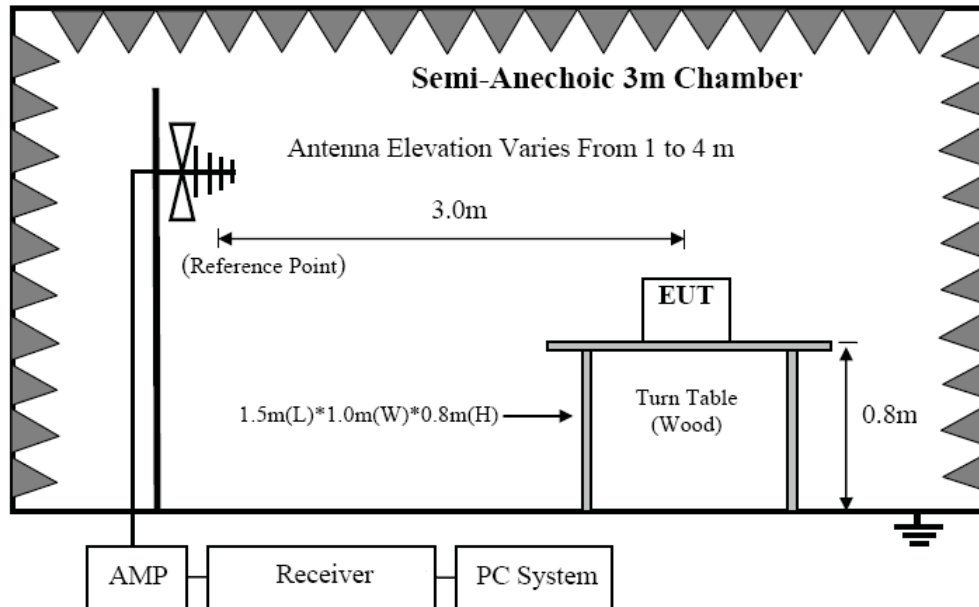
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

#### 15.209 Limit

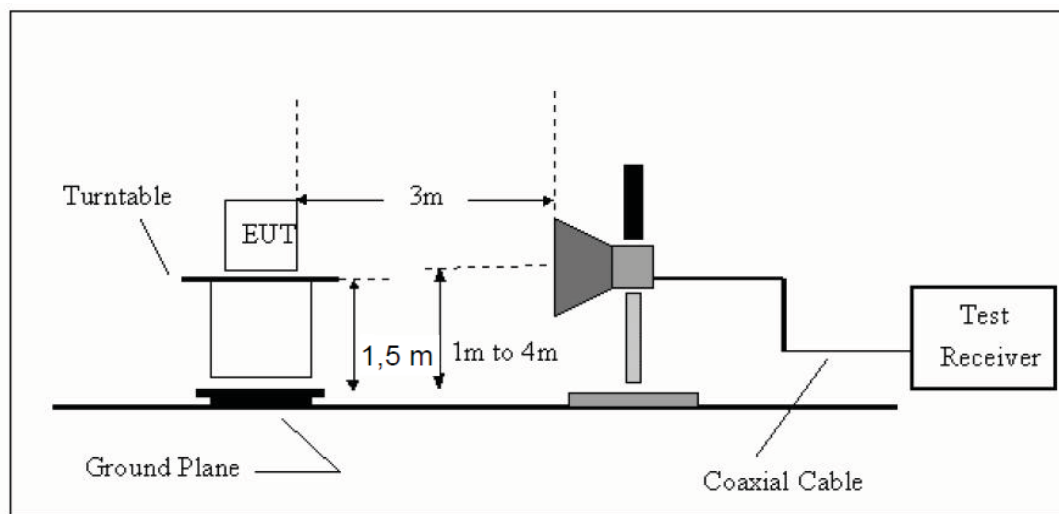
FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009-0.490	300	2400/F(KHz)	/
0.490-1.705	30	24000/F(KHz)	/
1.705-30	30	30	29.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

## 8.2. Block Diagram of Test setup

### 8.2.1 In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



### 8.2.2 In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

### 8.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 0.8 m high above ground for below 1GHz and 1.5m high for above1GHz testing, inside a semi-anechoic chamber.
- (2) Setup EUT and simulator as shown in section 1.4 and 6.1
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
  - (a) Change work frequency or channel of device if practicable.
  - (b) Change modulation type of device if practicable.
  - (c) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 :2014on Radiated Emission test.
- (6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

### 8.4. Test Result

We have scanned the 10th harmonic from 9KHz to the EUT.  
Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

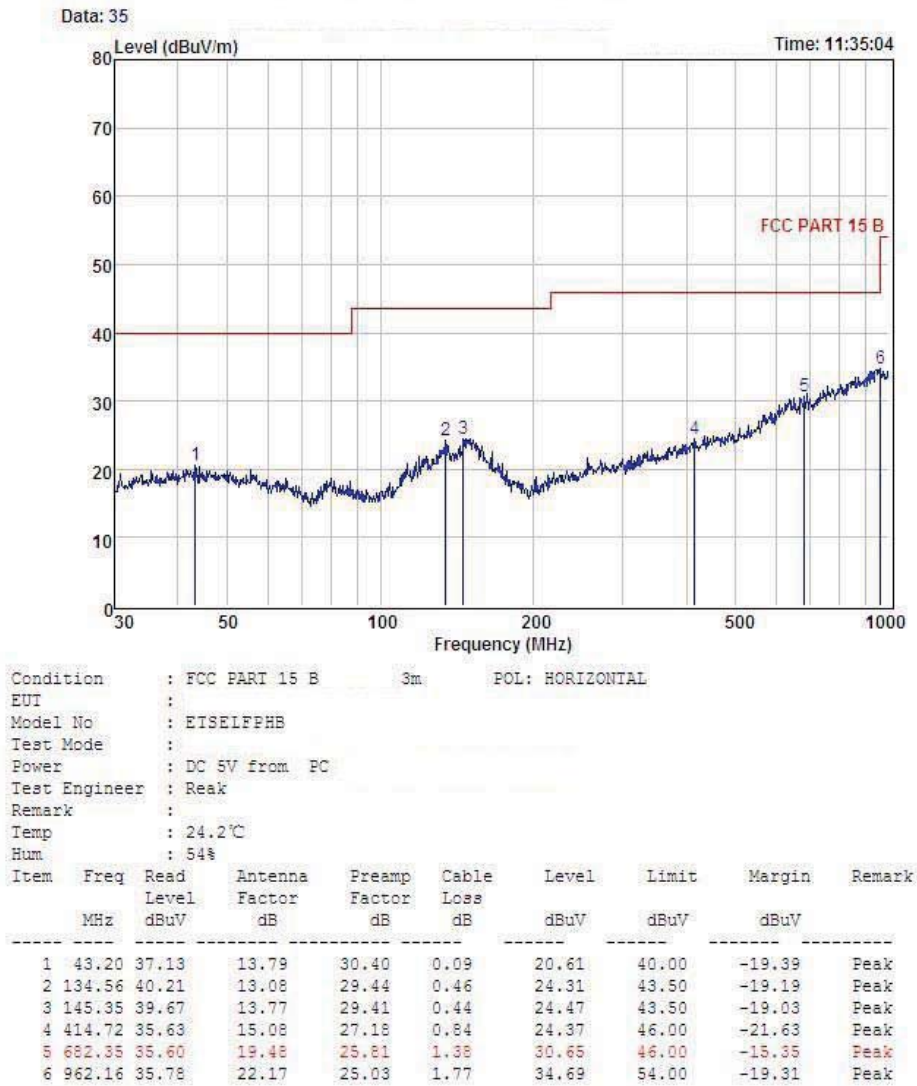
Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



From 30MHz to 1000MHz: Conclusion: PASS



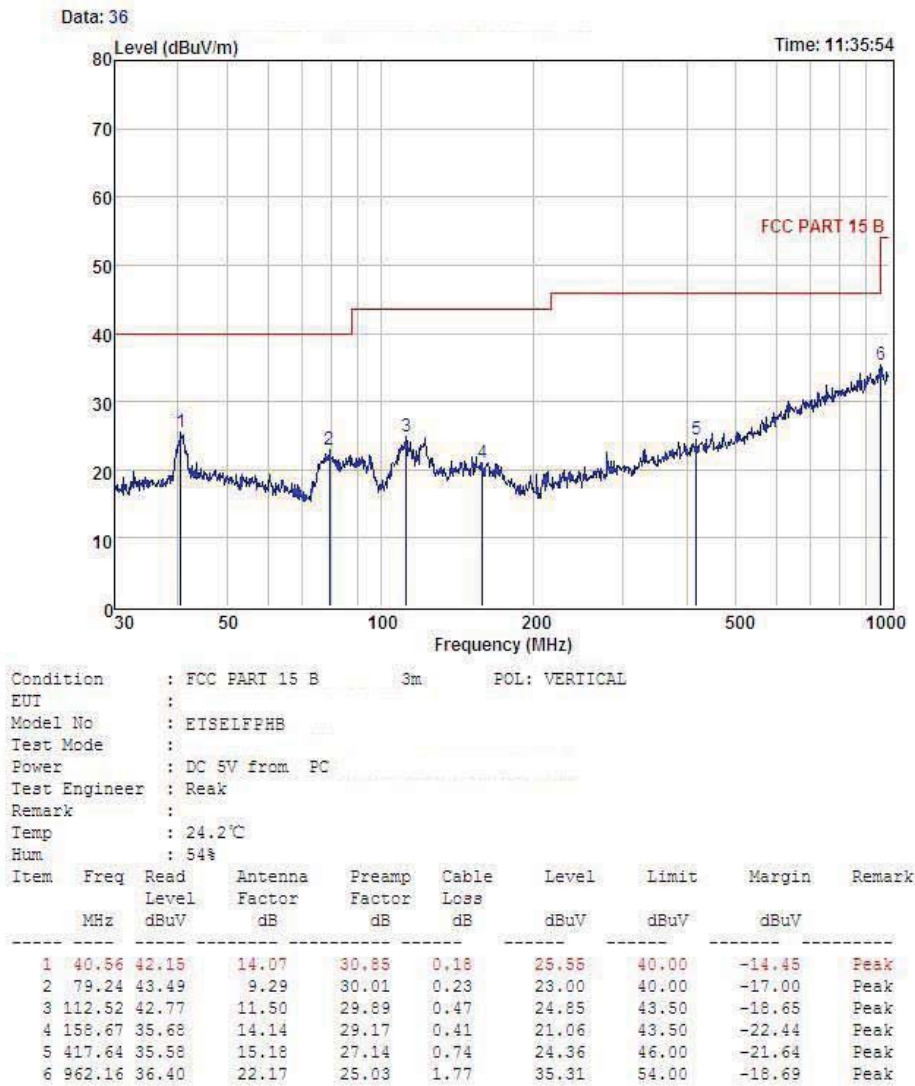
Shenzhen Alpha Product Testing Co., Ltd.  
Building B, East Area of Nanchang Second Industrial Zone,  
Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China  
Tel: +86-755-29766001 FAX: +86-755-86375565  
Website: <http://www.a-lab.cn> Email: [service@a-lab.cn](mailto:service@a-lab.cn)



Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



Shenzhen Alpha Product Testing Co., Ltd.  
 Building B, East Area of Nanchang Second Industrial Zone,  
 Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China  
 Tel: +86-755-29766001 FAX: +86-755-86375565  
 Website: <http://www.a-lab.cn> Email: [service@a-lab.cn](mailto:service@a-lab.cn)



Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

Remark: All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz was listed in this report.

1GHz—25GHz Radiated emissison Test result									
EUT: Bluetooth Holiday Photo Booth Selfie Kit						M/N: ETSELFPHB			
Power: DC 5.0V From PC AC 120V/60Hz									
Test date: 2016-01-14    Test site: 3m Chamber    Tested by: Reak									
Test mode: GFSK Tx CH1 2402MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804	41.49	33.95	10.18	34.26	51.36	74	22.64	PK
2	4804	31.48	33.95	10.18	34.26	41.35	54	12.65	AV
3	7206	/							
4	9608	/							
5	12010	/							
Antenna Polarity: Horizontal									
1	4804	41.9	33.95	10.18	34.26	51.77	74	22.23	PK
2	4804	31.53	33.95	10.18	34.26	41.4	54	12.6	AV
3	7206	/							
4	9608	/							
5	12010	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

1GHz—25GHz Radiated emissison Test result

EUT: Bluetooth Holiday Photo Booth Selfie Kit

M/N: ETSELFPHB

Power: DC 5.0V From PC AC 120V/60Hz

Test date: 2016-01-14    Test site: 3m Chamber    Tested by: Reak

Test mode: GFSK Tx CH40 2441MHz

Antenna polarity: Vertical

No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark
1	4882	41.23	33.93	10.2	34.29	51.07	74	22.93	PK
2	4882	31.81	33.93	10.2	34.29	41.65	54	12.35	AV
3	7323	/							
4	9764	/							
5	12205	/							

Antenna Polarity: Horizontal

1	4882	41.25	33.93	10.2	34.29	51.09	74	22.91	PK
2	4882	31.64	33.93	10.2	34.29	41.48	54	12.52	AV
3	7323	/							
4	9764	/							
5	12205	/							

Note:

1, Measuring frequency from 1GHz to 25GHz

2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

1GHz—25GHz Radiated emissison Test result									
EUT: Bluetooth Holiday Photo Booth Selfie Kit						M/N: ETSELFPHB			
Power: DC 5.0V From PC AC 120V/60Hz									
Test date: 2016-01-14    Test site: 3m Chamber    Tested by: Reak									
Test mode: GFSK Tx CH79 2480MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960	42.29	33.98	10.22	34.25	52.24	74	21.76	PK
2	4960	31.41	33.98	10.22	34.25	41.36	54	12.64	AV
3	7440	/							
4	9920	/							
5	12400	/							
Antenna Polarity: Horizontal									
1	4960	39.88	33.98	10.22	34.25	49.83	74	24.17	PK
2	4960	30.36	33.98	10.22	34.25	40.31	54	13.69	AV
3	7440	/							
4	9920	/							
5	12400	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

1GHz—25GHz Radiated emissison Test result									
EUT: Bluetooth Holiday Photo Booth Selfie Kit						M/N: ETSELFPHB			
Power: DC 5.0V From PC AC 120V/60Hz									
Test date: 2016-01-14    Test site: 3m Chamber    Tested by: Reak									
Test mode: $\pi$ /4 DQPSK Tx CH1 2402MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804	42.35	33.95	10.18	34.26	52.22	74	21.78	PK
2	4804	31.21	33.95	10.18	34.26	41.08	54	12.92	AV
3	7206	/							
4	9608	/							
5	12010	/							
Antenna Polarity: Horizontal									
1	4804	42.73	33.95	10.18	34.26	52.6	74	21.4	PK
2	4804	31.8	33.95	10.18	34.26	41.67	54	12.33	AV
3	7206	/							
4	9608	/							
5	12010	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

1GHz—25GHz Radiated emissison Test result									
EUT: Bluetooth Holiday Photo Booth Selfie Kit						M/N: ETSELFPHB			
Power: DC 5.0V From PC AC 120V/60Hz									
Test date: 2016-01-14    Test site: 3m Chamber    Tested by: Reak									
Test mode: $\pi$ /4 DQPSK Tx CH40 2441MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark
1	4882	42.53	33.93	10.2	34.29	52.37	74	21.63	PK
2	4882	31.51	33.93	10.2	34.29	41.35	54	12.65	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	41.8	33.93	10.2	34.29	51.64	74	22.36	PK
2	4882	31.55	33.93	10.2	34.29	41.39	54	12.61	AV
3	7323	/							
4	9764	/							
5	12205	/							

Note:

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

1GHz—25GHz Radiated emissison Test result									
EUT: Bluetooth Holiday Photo Booth Selfie Kit						M/N: ETSELFPHB			
Power: DC 5.0V From PC AC 120V/60Hz									
Test date: 2016-01-14			Test site: 3m Chamber		Tested by: Reak				
Test mode: $\pi$ /4 DQPSK Tx CH79 2480MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960	41.6	33.98	10.22	34.25	51.55	74	22.45	PK
2	4960	31.11	33.98	10.22	34.25	41.06	54	12.94	AV
3		/							
4		/							
5		/							
Antenna Polarity: Horizontal									
1	4960	41.39	33.98	10.22	34.25	51.34	74	22.66	PK
2	4960	30.81	33.98	10.22	34.25	40.76	54	13.24	AV
3		/							
4		/							
5		/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									