



# TEST REPORT

## FCC ID: 2AHZN-6527BT

For

Shenzhen Keshangda Electronics Technology Co.,Ltd

Car Multimedia Player

Model No. : ST-6527BT, 6500, 6502, 6520, 6522, 6523, 6525, 6527, 6528, 6529

Trade Name : N/A

Prepared for : Shenzhen Keshangda Electronics Technology Co.,Ltd  
Address : 6/F, 6Unit, PaiBang ShanTang Industrial, HengGang, LongGang Dist.  
: ShenZhen, 518115 China

Prepared by : Shenzhen Alpha Product Testing Co., Ltd.  
Address : Building B, East Area of Nanchang Second, Industrial Zone, Gushu 2nd Road,  
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Version Number : REV0

## Contents

<b>1. General Information.....</b>	<b>5</b>
1.1. Description of Device (EUT).....	5
1.2. Accessories of device (EUT) .....	6
1.3. Test Lab information .....	6
<b>2. Summary of test .....</b>	<b>7</b>
2.1. Summary of test result .....	7
2.2. Assistant equipment used for test.....	7
2.3. Block Diagram .....	8
2.4. Test mode .....	8
2.5. Test Conditions.....	9
2.6. Measurement Uncertainty (95% confidence levels, k=2).....	9
2.7. Test Equipment.....	10
<b>3. Maximum Peak Output power .....</b>	<b>11</b>
3.1. Limit.....	11
3.2. Test Procedure .....	11
3.3. Test Setup .....	11
3.4. Test Result.....	11
<b>4. Bandwidth .....</b>	<b>12</b>
4.1. Limit.....	12
4.2. Test Procedure .....	12
4.3. Test Result.....	12
<b>5. Carrier Frequency Separation.....</b>	<b>18</b>
5.1. Limit.....	18
5.2. Test Procedure .....	18
5.3. Test Result.....	18
<b>6. Number Of Hopping Channel .....</b>	<b>21</b>
6.1. Limit.....	21
6.2. Test Procedure .....	21
6.3. Test Result .....	21
<b>7. Dwell Time.....</b>	<b>24</b>
7.1. Test limit .....	24
7.2. Test Procedure.....	24
7.3. Test Results .....	24
<b>8. Radiated emissions.....</b>	<b>31</b>
8.1. Limit.....	31
8.2. Block Diagram of Test setup .....	32
8.3. Test Procedure .....	33
8.4. Test Result.....	33
<b>9. Band Edge Compliance .....</b>	<b>45</b>
9.1. Block Diagram of Test Setup .....	45
9.2. Limit.....	45
9.3. Test Procedure .....	45
9.4. Test Result.....	45

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<b>10. Power Line Conducted Emissions .....</b>	<b>64</b>
10.1. Block Diagram of Test Setup .....	64
10.2. Limit.....	64
10.3. Test Procedure .....	64
10.4. Test Result .....	65
<b>11. Antenna Requirements.....</b>	<b>66</b>
11.1. Limit.....	66
11.2. Result.....	66
<b>12. Test setup photo .....</b>	<b>67</b>
12.1. Photos of Radiated emission .....	67
<b>13. Photos of EUT .....</b>	<b>68</b>

## DECLARATION

Applicant : Shenzhen Keshangda Electronics Technology Co.,Ltd  
Manufacturer : Shenzhen Keshangda Electronics Technology Co.,Ltd  
Product : Car Multimedia Player  
(A) Model No. : ST-6527BT, 6500, 6502, 6520, 6522, 6523, 6525,  
6527, 6528, 6529  
(B) Trade Name : N/A  
(C) Power supply : DC 12V From Battery

Measurement Standard Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2015,  
ANSI C63.4:2014**

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.


Tested by (name + signature).....:

Reak Yang  
Test Engineer

  
.....

Approved by (name + signature).....:

Simple Guan  
Project Manager

  
.....

Date of issue.....

April 15, 2016

## 1. General Information

### 1.1. Description of Device (EUT)

EUT	: Car Multimedia Player
Model No.	: ST-6527BT, 6500, 6502, 6520, 6522, 6523, 6525, 6527, 6528, 6529
Trade mark	: N/A
Power supply	: DC 12V From Battery
Radio Technology	: Bluetooth 3.0 + EDR
Operation frequency	: 2402-2480MHz
Modulation	: GFSK, $\pi/4$ DQPSK, 8- DPSK
Antenna Type	: Integrated Antenna, max gain 0Bi.
Hardware REV.	: 2.0
Software REV.	: keshabgda_weiyide_20150330_v1.0
Applicant	: Shenzhen Keshangda Electronics Technology Co.,Ltd
Address	: 6/F, 6Unit, PaiBang ShanTang Industrial, HengGang, LongGang Dist. ShenZhen, 518115 China
Manufacturer	: Shenzhen Keshangda Electronics Technology Co.,Ltd
Address	: 6/F, 6Unit, PaiBang ShanTang Industrial, HengGang, LongGang Dist. ShenZhen, 518115 China

## 1.2. Accessories of device (EUT)

Accessories : N/A

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

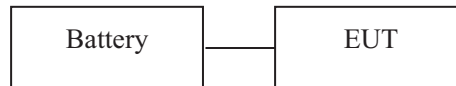
Description	:	N/A
Manufacturer	:	N/A
Model No.	:	N/A
Remark: FCC DOC approved		

### 2.3. Block Diagram

1, For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz, 1.5 meter high above ground for above 1GHz. EUT was be set into BT test mode by adb.exe software before test.



2, For Power Line Conducted Emissions Test



### 2.4. Test mode

The test software 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	2.71dB	
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)	3.90dB	Polarize: V
	3.92dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.28dB	Polarize: H
	4.26dB	Polarize: V
Uncertainty for radio frequency	$1 \times 10^{-9}$	
Uncertainty for conducted RF Power	0.16dB	
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	2017.01.16	1 Year
Spectrum analyzer	Agilent	E4407B	MY49510055	2017.01.16	1 Year
Receiver	R&S	ESCI	101165	2017.01.16	1 Year
Bilog Antenna	SCHWARZBECK	VULB 9168	9168-438	2018.01.18	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2018.01.18	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170 D(1432)	2018.01.18	2 Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	2017.01.16	1 Year
Cable	Resenberger	SUCOFLEX 104	MY6562/4	2017.01.16	1 Year
Cable	Resenberger	SUCOFLEX 104	309972/4	2017.01.16	1 Year
Cable	Resenberger	SUCOFLEX 104	329112/4	2017.01.16	1 Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126466	2017.01.16	1 Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2017.01.16	1 Year
Power Meter	Anritsu	ML2487A	6K00001491	2017.01.16	1 Year
Power sensor	Anritsu	ML2491A	32516	2017.01.16	1 Year
Pre-amplifier	SCHWARZBECK	BBV9743	9743-019	2017.01.16	1 Year
Pre-amplifier	Quietek	AP-180C	CHM-0602012	2017.01.16	1 Year

### 3. Maximum Peak Output power

#### 3.1. Limit

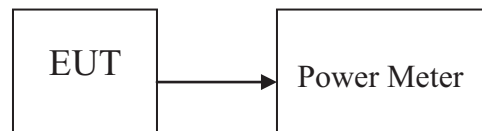
Please refer section 15.247.

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: Car Multimedia Player		M/N: ST-6527BT			
Test date: 2016-04-07		Test site: RF site		Tested by: Reak	
Mode	Freq (MHz)	PK Output Power (dBm)	PK Output Power (mW)	Limit (dBm)	Margin (dB)
GFSK	2402	1.85	1.531	21	19.150
	2441	1.62	1.452	21	19.380
	2480	1.73	1.489	21	19.270
$\pi/4$ DQPSK,	2402	1.25	1.334	21	19.750
	2441	1.17	1.309	21	19.830
	2480	1.24	1.330	21	19.760
8- DPSK	2402	1.28	1.343	21	19.720
	2441	1.16	1.306	21	19.840
	2480	1.21	1.321	21	19.790
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.

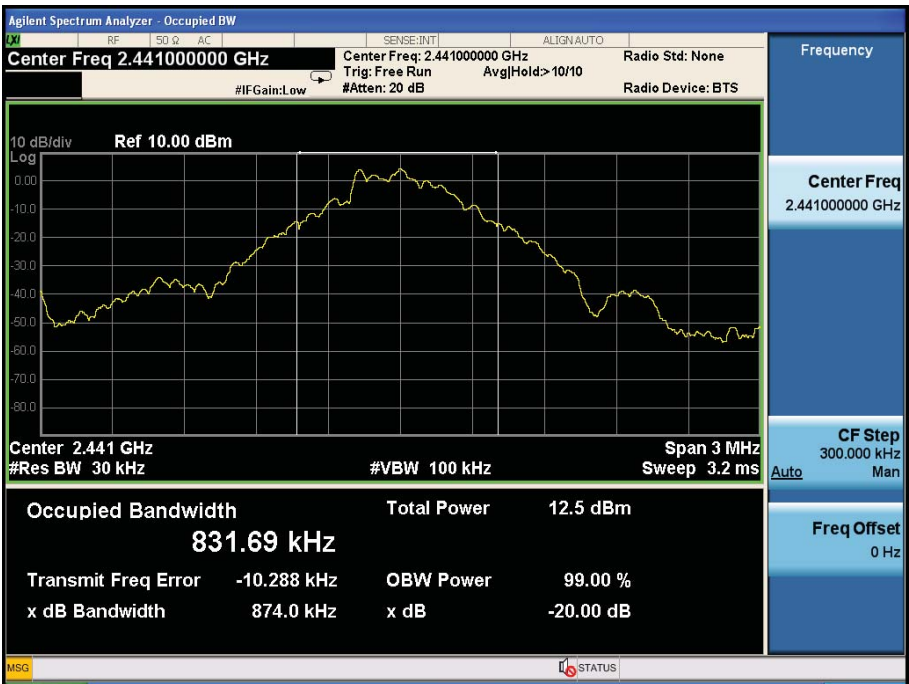
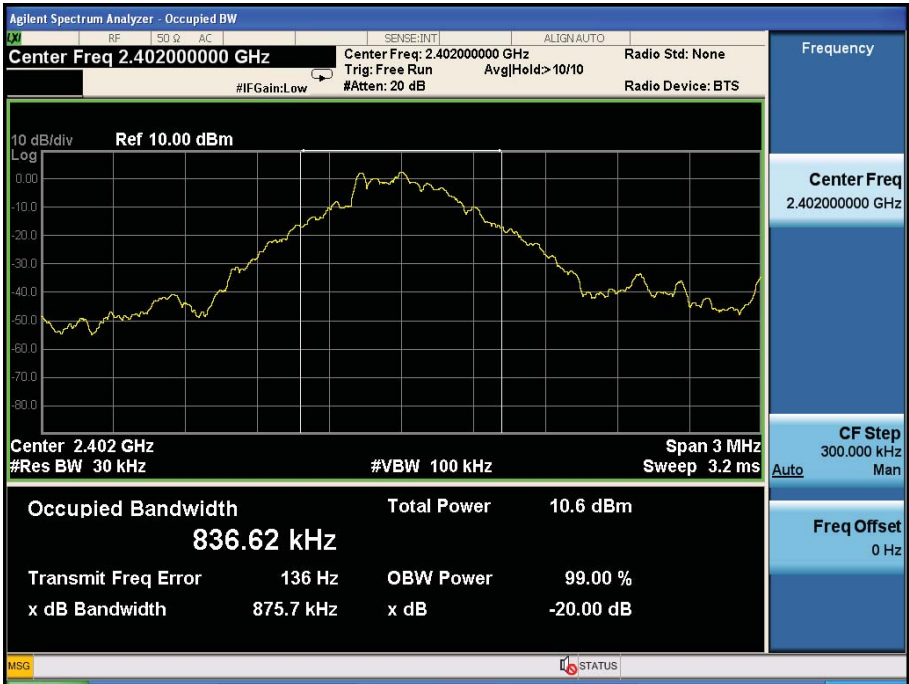
### 4.2. Test Procedure

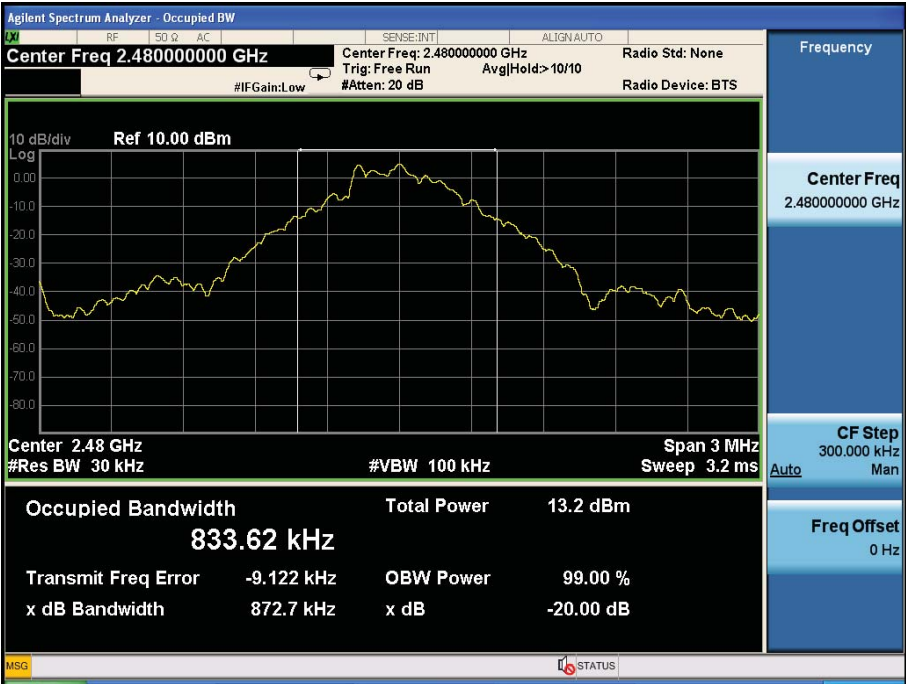
The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB. Peak detector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

### 4.3. Test Result

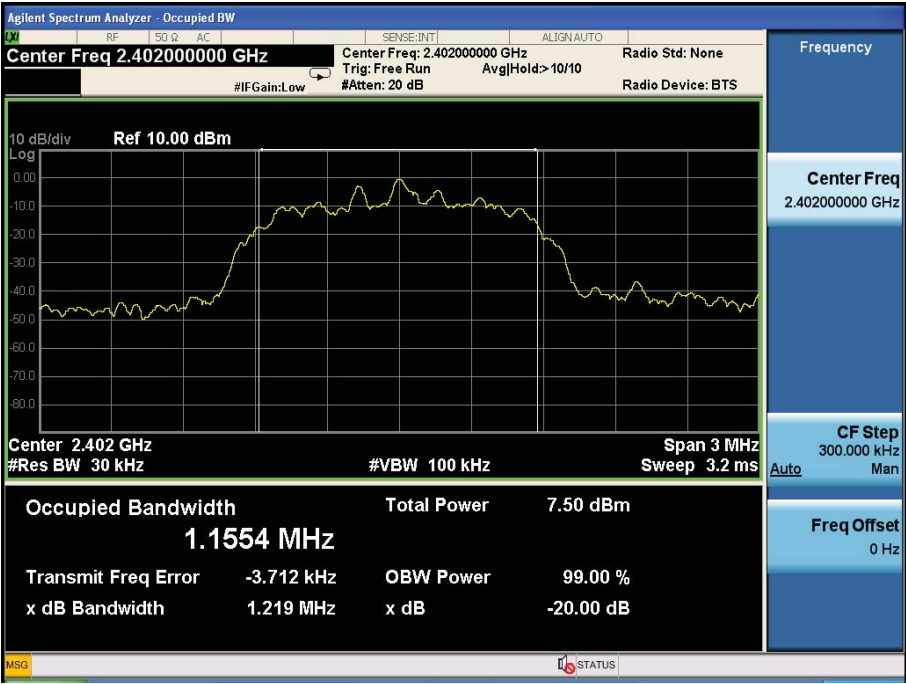
EUT: Car Multimedia Player      M/N: ST-6527BT				
Test date: 2016-04-07		Test site: RF site		Tested by: Reak
Mode	Freq (MHz)	20dB Bandwidth (KHz)	Limit (kHz)	Conclusion
GFSK	2402	875.7	/	PASS
	2441	874	/	PASS
	2480	872.7	/	PASS
$\pi$ /4 DQPSK	2402	1219	/	PASS
	2441	1222	/	PASS
	2480	1221	/	PASS
8- DPSK	2402	1206	/	PASS
	2441	1208	/	PASS
	2480	1210	/	PASS

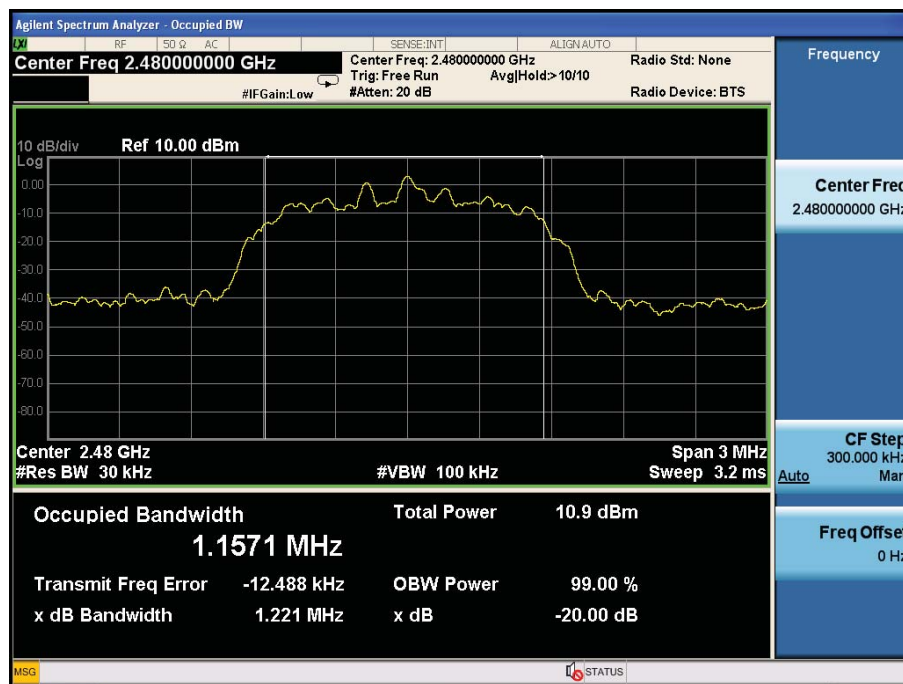
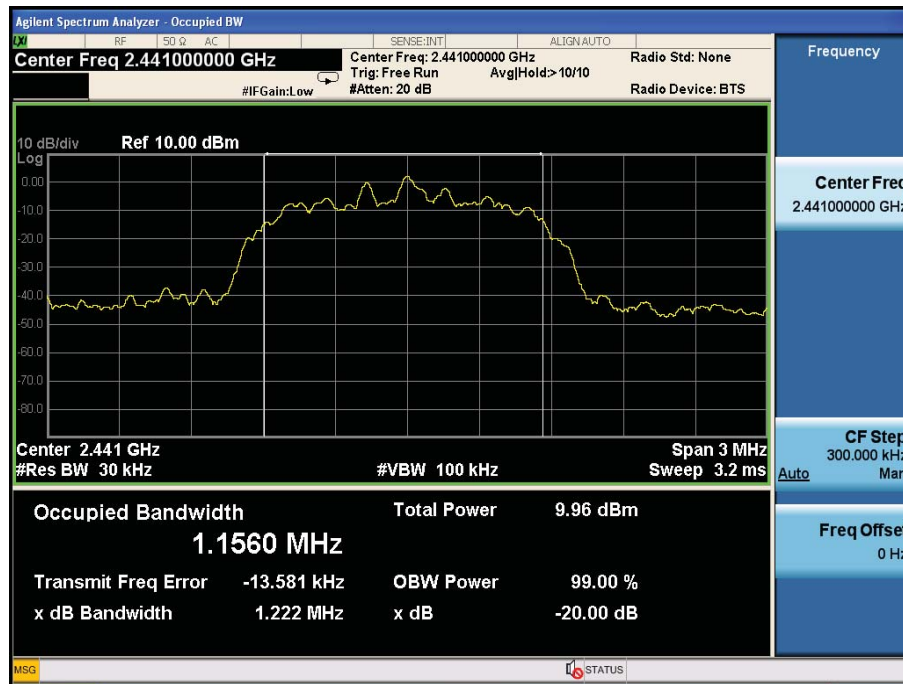
Original Test data For 20dB bandwidth  
GFSK:



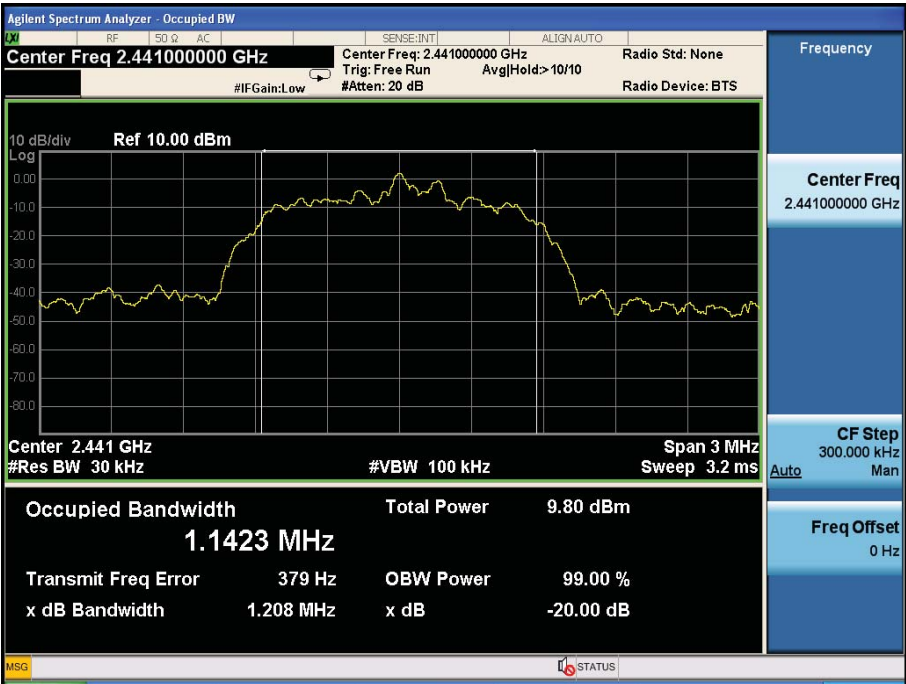
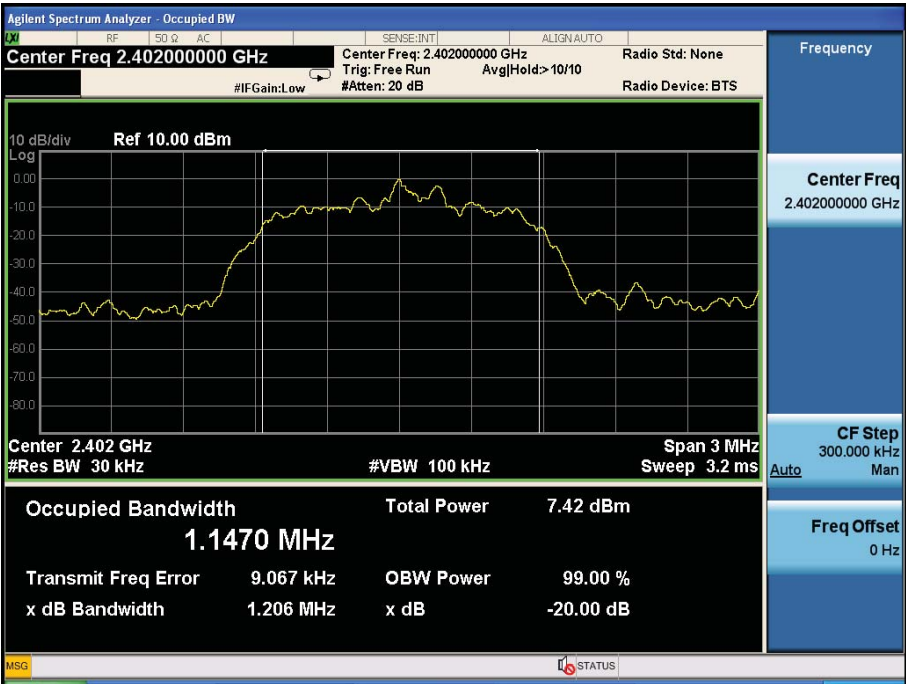


$\pi$  /4 DQPSK:

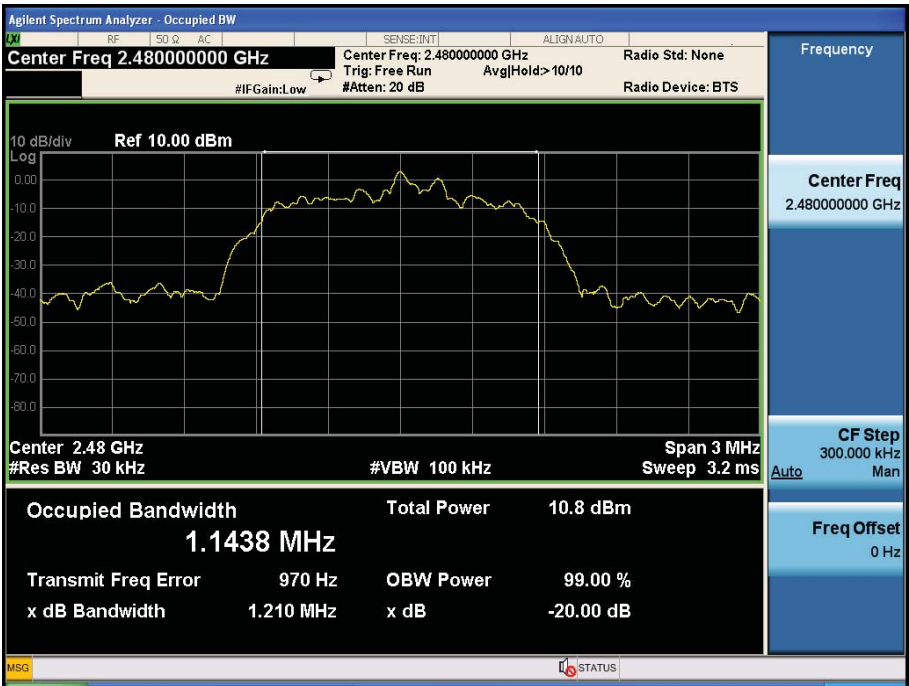




8- DPSK:







## 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

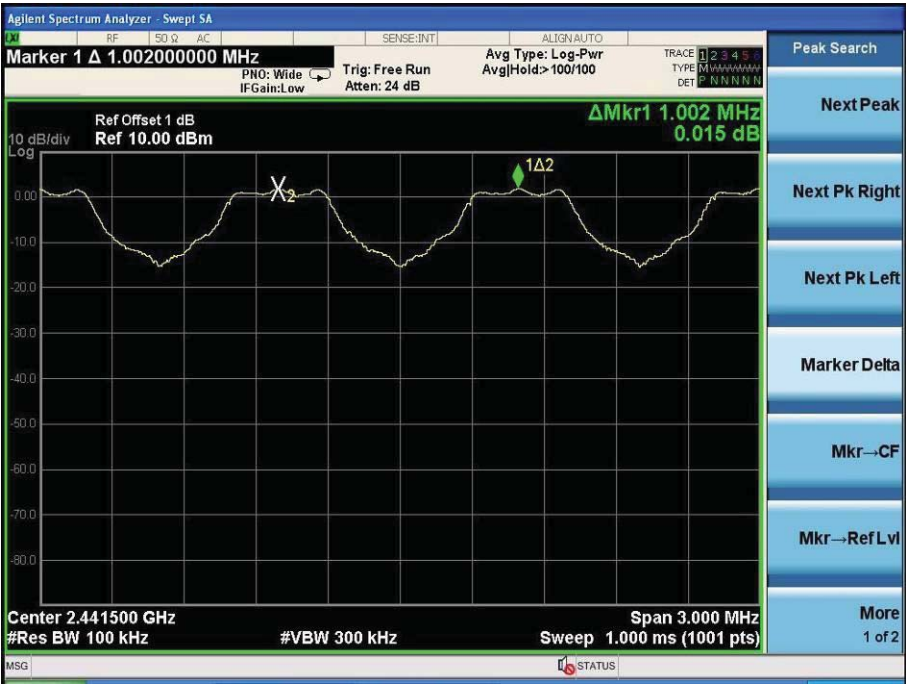
### 5.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

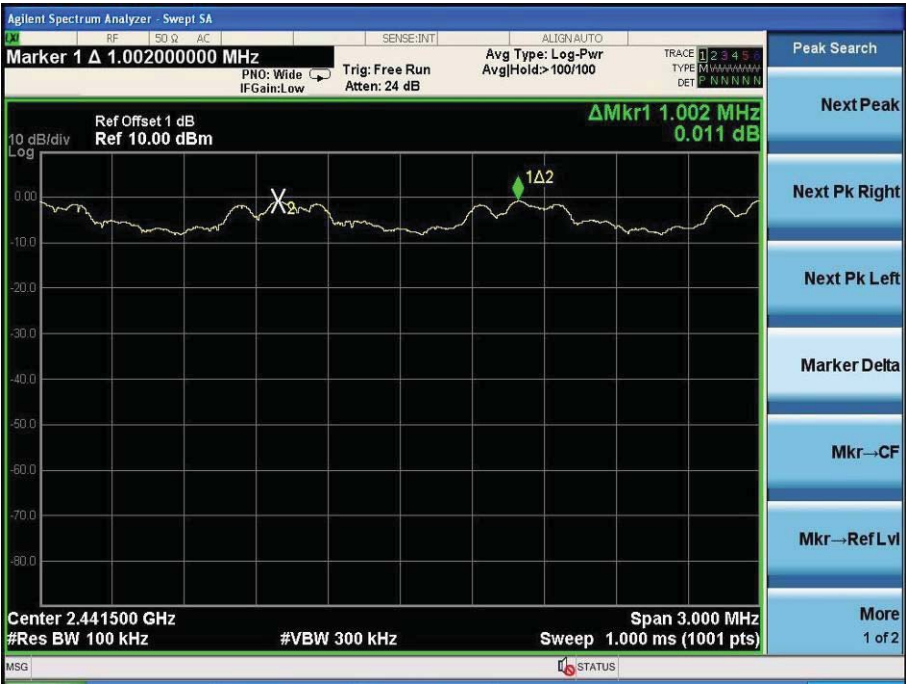
### 5.3. Test Result

EUT: Car Multimedia Player    M/N: ST-6527BT				
Test date: 2016-04-07		Test site: RF site		Tested by: Reak
Mode/Channel	Channel separation (MHz)	20dB Bandwidth (KHz)	Limit (KHz) 2/3 20dB bandwidth	Conclusion
GFSK	1.002	875.7	583.800	PASS
$\pi$ /4 DQPSK	1.002	1222	814.667	PASS
8- DPSK	1.002	1210	806.667	PASS

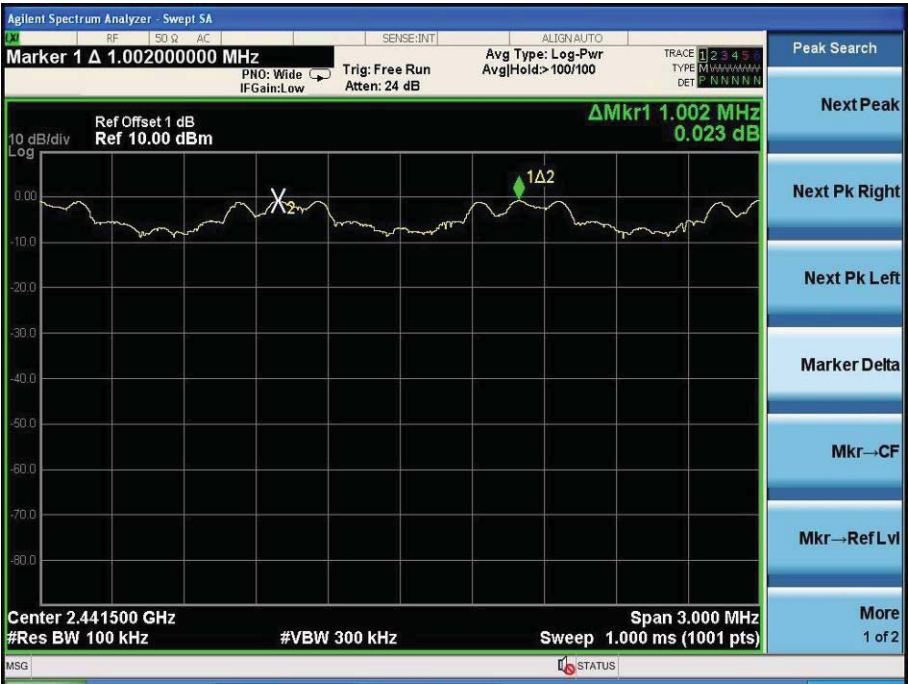
Original test data for channel separation  
GFSK



$\pi/4$  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

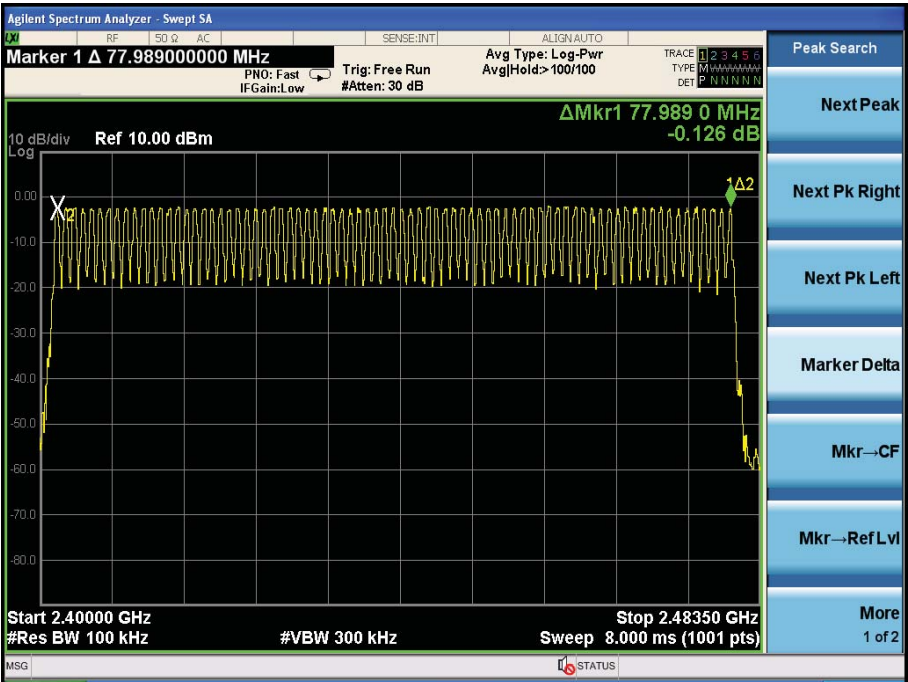
### 6.2. Test Procedure

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.

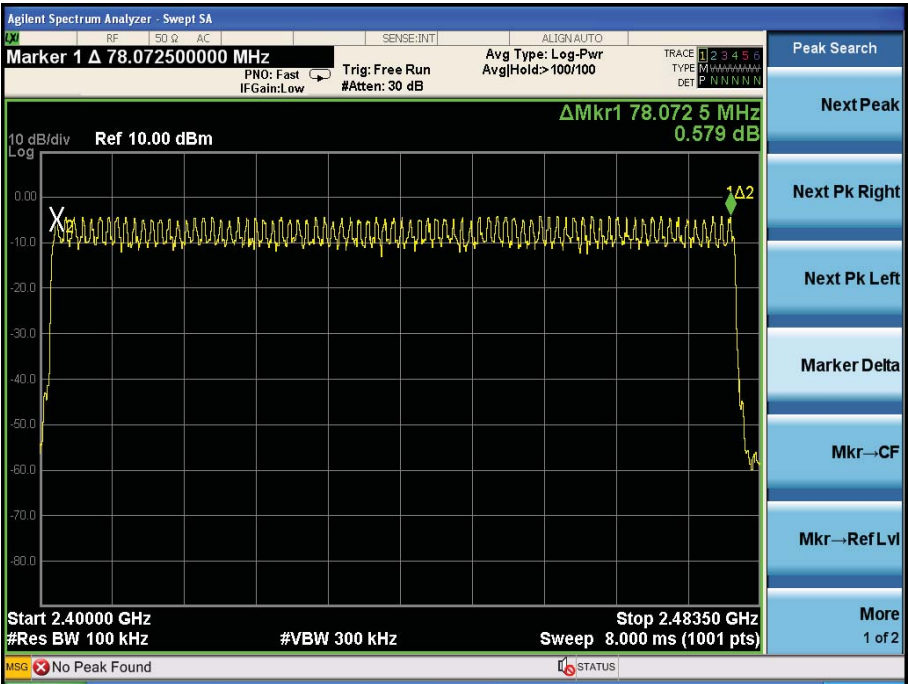
### 6.3. Test Result

EUT: Car Multimedia Player M/N: ST-6527BT			
Test date: 2016-04-07		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

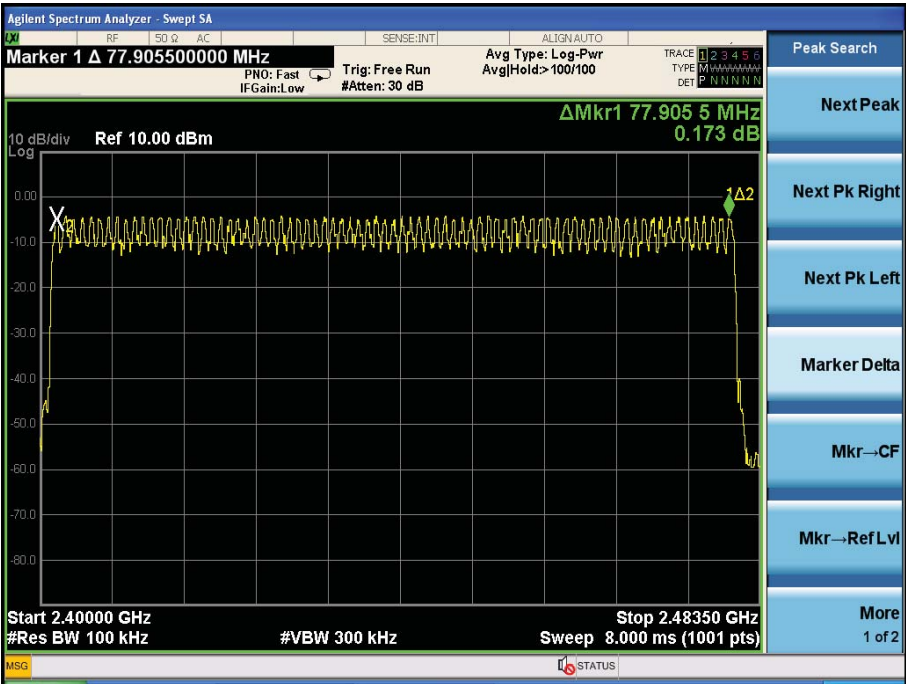
Original test data for hopping channel number  
GFSK



$\pi/4$  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.



Note: 1 A period time = 0.4 (s) \* 79 = 31.6(s)

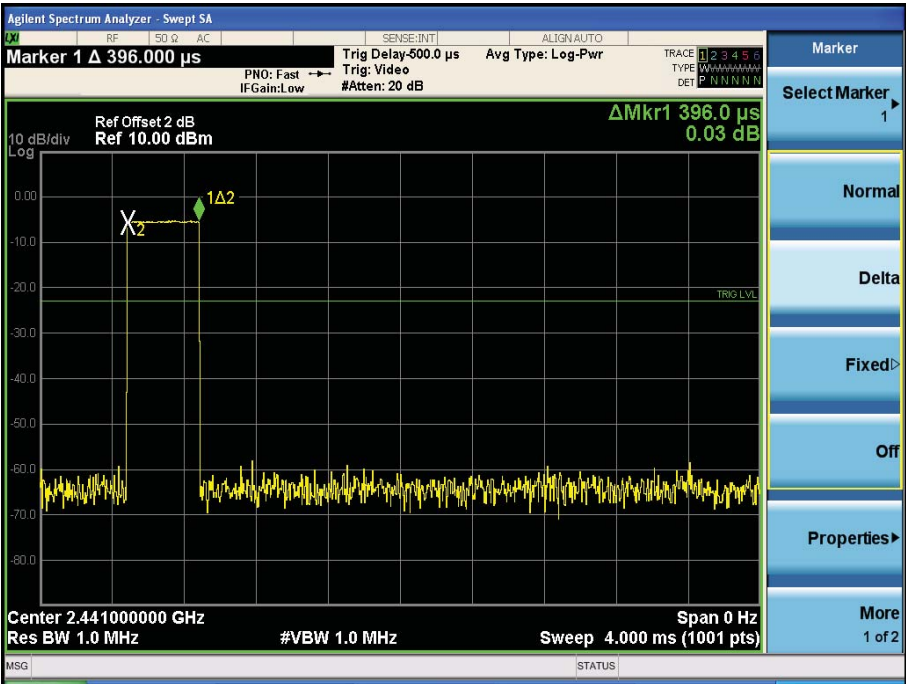
2 DH1 time slot = Pulse Duration \* (1600/(1\*79)) \* A period time/1000

DH3 time slot = Pulse Duration \* (1600/(3\*79)) \* A period time/1000

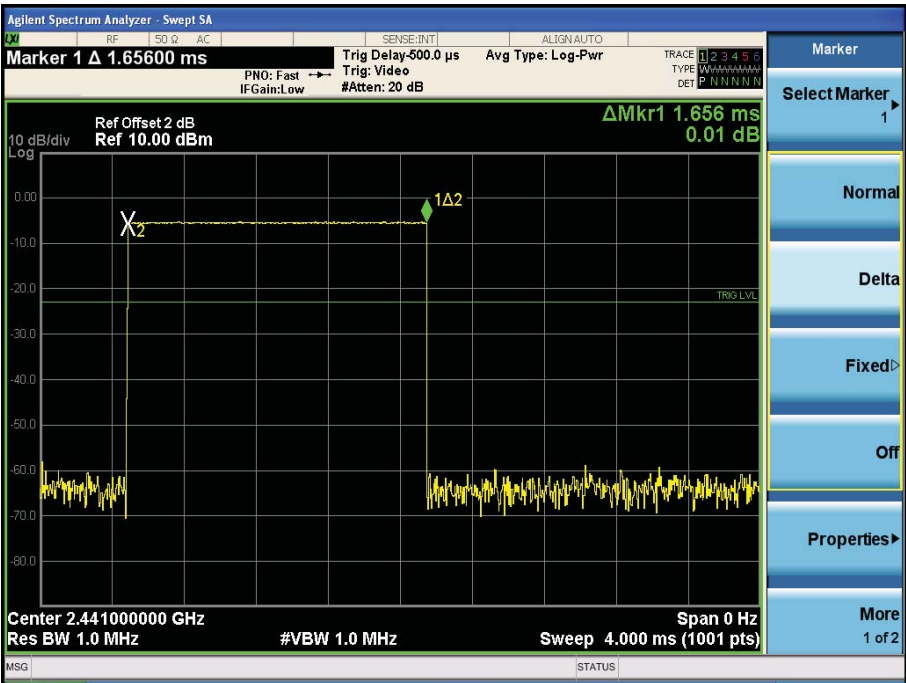
DH5 time slot = Pulse Duration \* (1600/(5\*79)) \* A period time/1000

GFSK

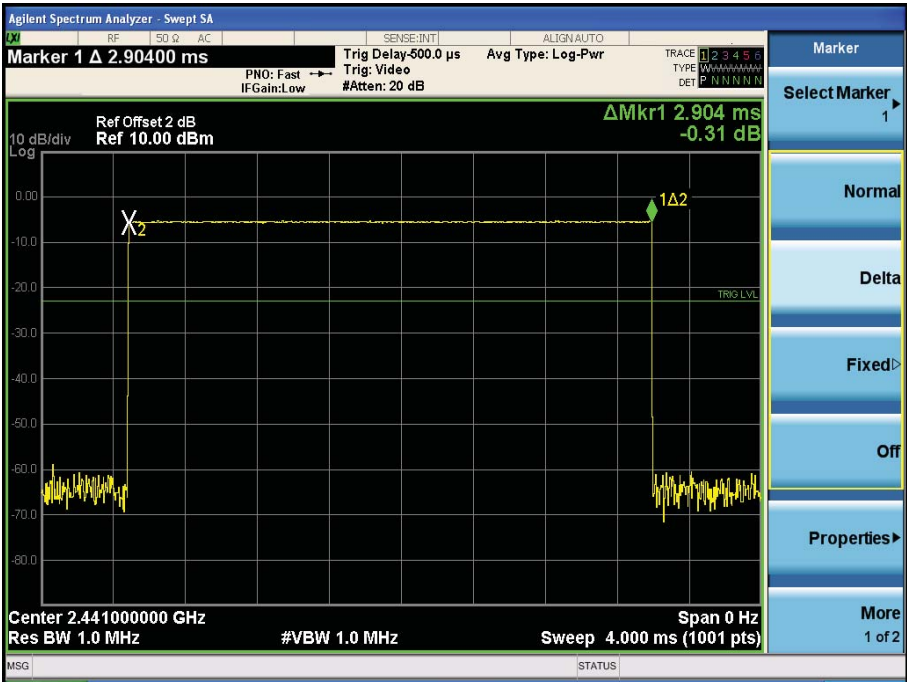
DH1:



DH3:

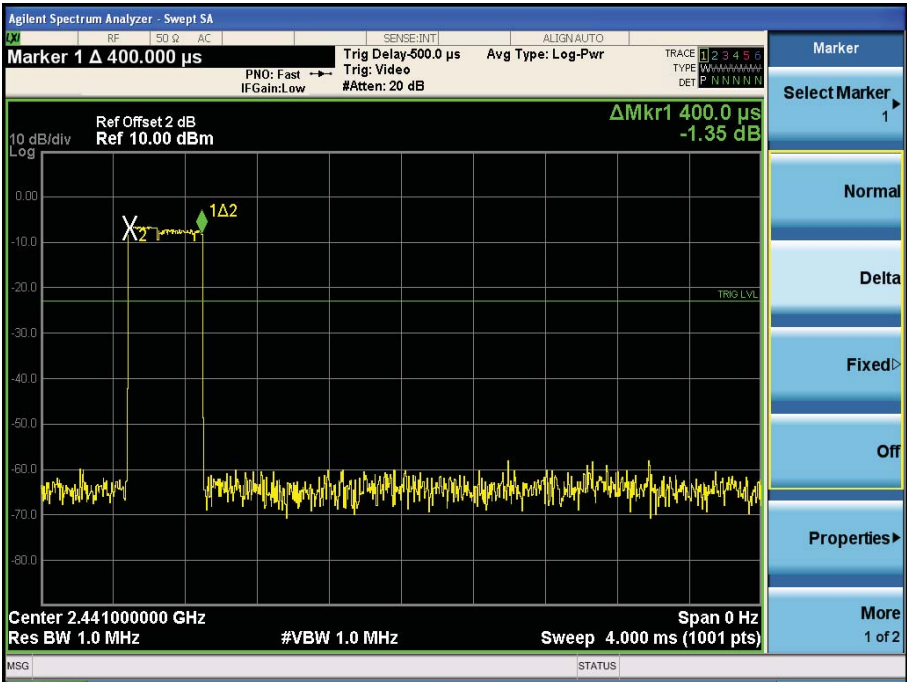


DH5

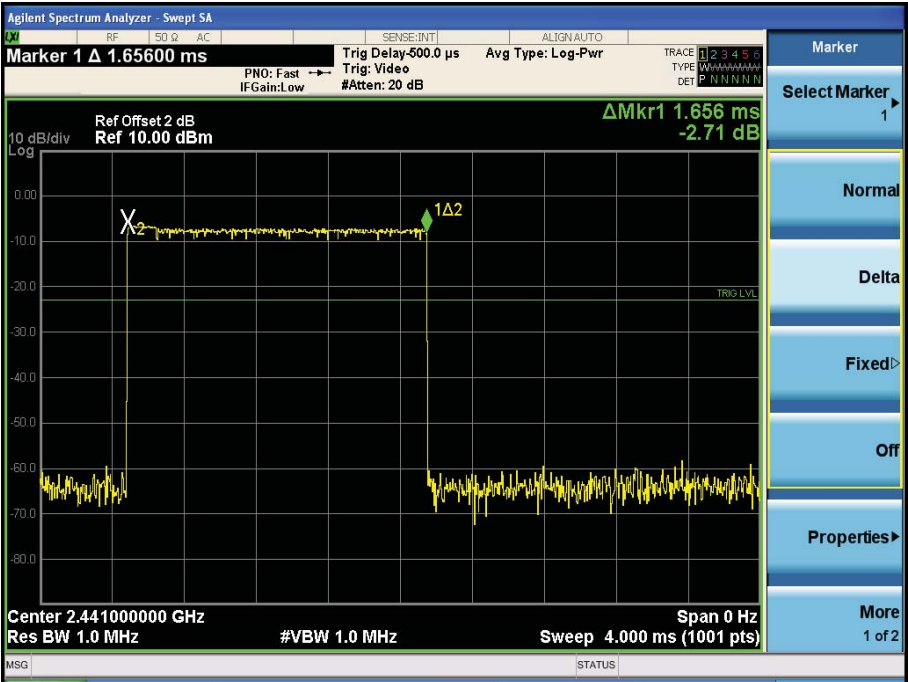


$\pi/4$  DQPSK

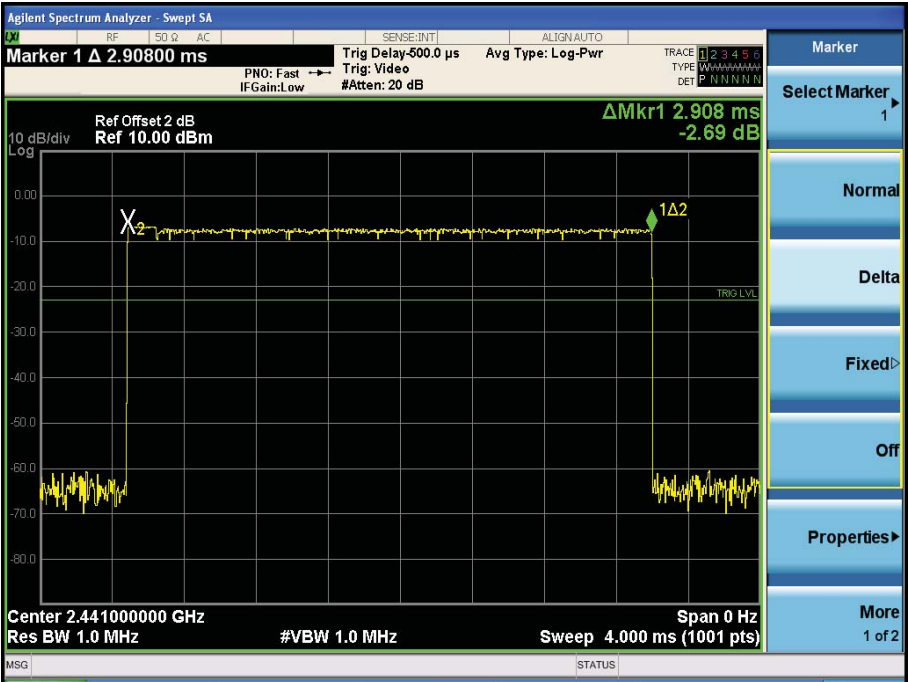
DH1



DH3

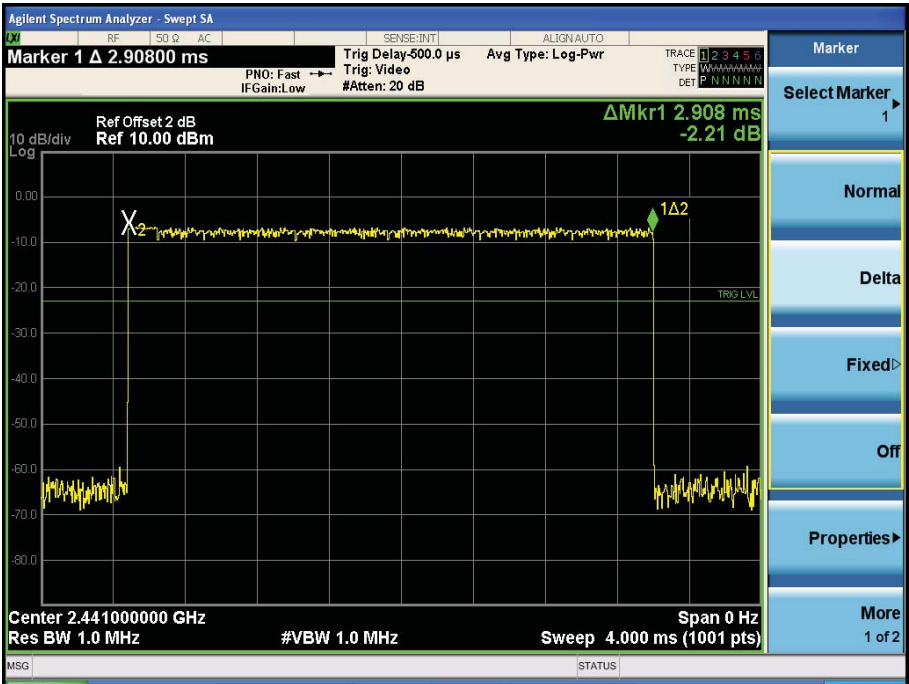


DH5





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

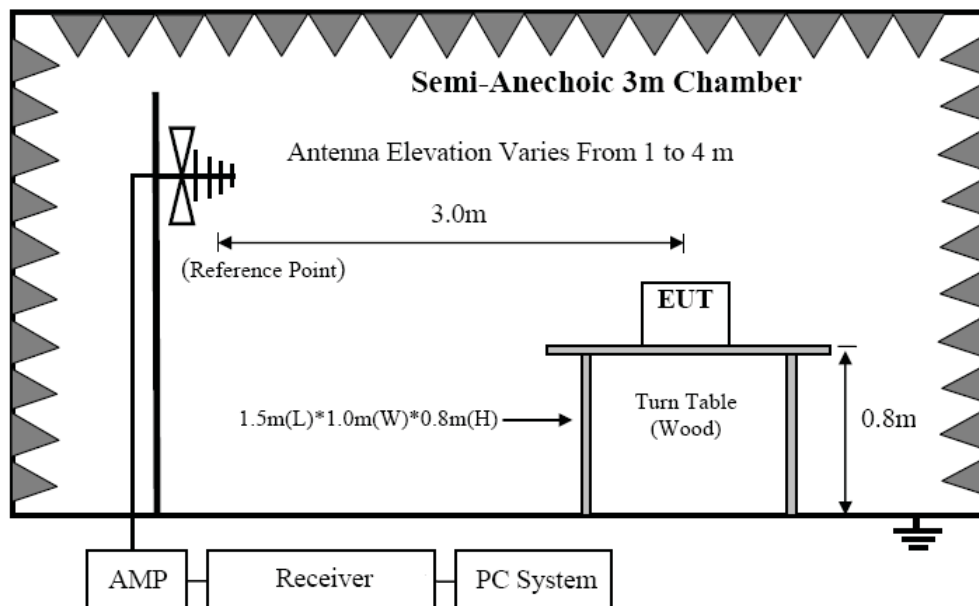
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
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

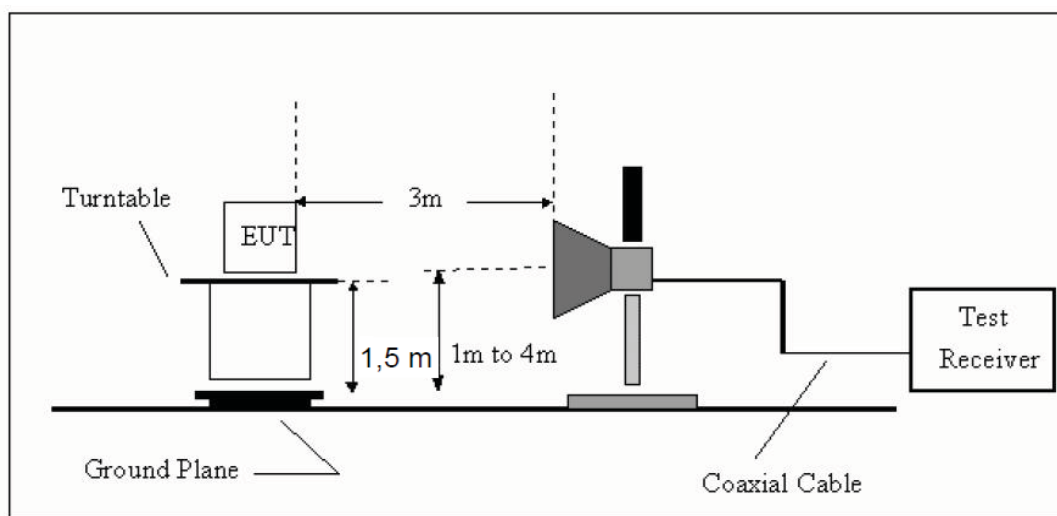
FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009-0.490	300	2400/F(KHz)	/
0.490-1.705	30	24000/F(KHz)	/
1.705-30	30	30	29.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

## 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, 80 cm above the ground plane 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.

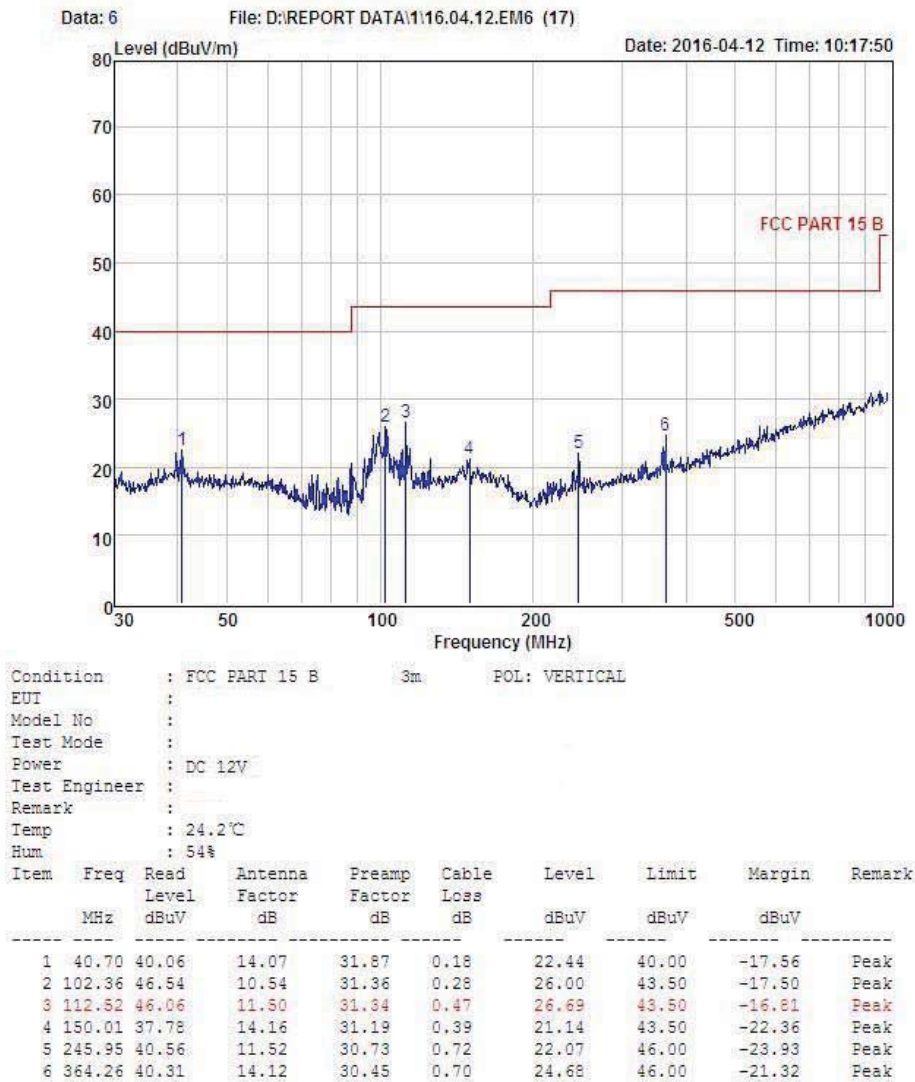
From 9KHz to 30MHz: Conclusion: PASS

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



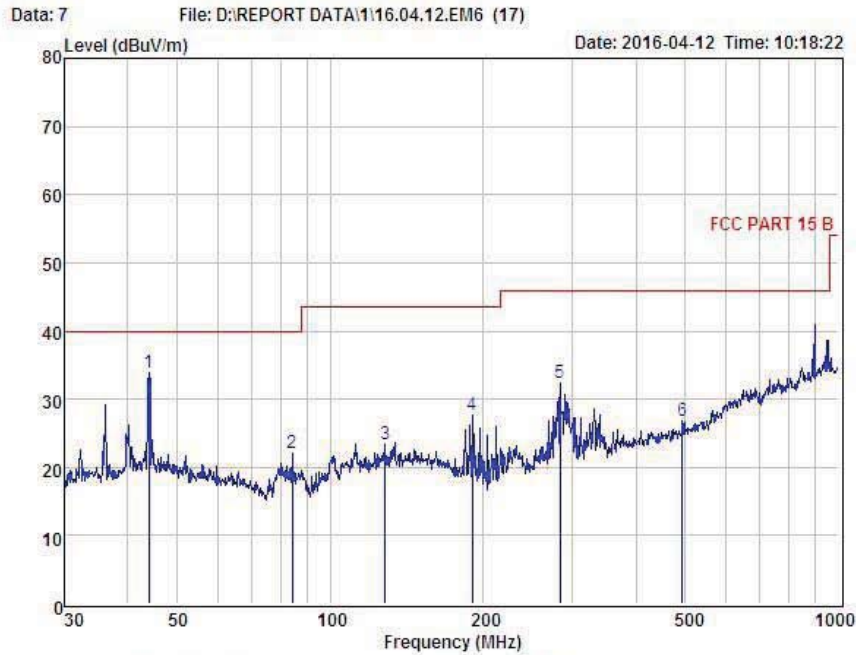
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Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15 B 3m POL: HORIZONTAL  
 EUT :  
 Model No :  
 Test Mode :  
 Power : DC 12V  
 Test Engineer :  
 Remark :  
 Temp : 24.1 °C  
 Hum : 56%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	43.97	49.86	13.79	29.96	0.09	33.78	40.00	-6.22	Peak
2	84.11	42.53	9.35	30.09	0.26	22.05	40.00	-17.95	Peak
3	128.11	39.87	12.68	29.53	0.40	23.42	43.50	-20.08	Peak
4	190.41	45.65	10.47	28.94	0.46	27.64	43.50	-15.86	Peak
5	282.99	47.55	12.45	28.08	0.56	32.48	46.00	-13.52	Peak
6	492.47	36.53	16.43	27.19	1.06	26.83	46.00	-19.17	Peak

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: Car Multimedia Player				M/N: ST-6527BT					
Power: DC 12V From Battery									
Test date: 2016-04-12    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	46.33	33.95	10.18	34.26	56.2	74	17.8	PK
2	4804	34.58	33.95	10.18	34.26	44.45	54	9.55	AV
3	7206	/							
4	9608	/							
5	12010	/							
Antenna Polarity: Horizontal									
1	4804	48.96	33.95	10.18	34.26	58.83	74	15.17	PK
2	4804	37.12	33.95	10.18	34.26	46.99	54	7.01	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: Car Multimedia Player			M/N: ST-6527BT						
Power: DC 12V From Battery									
Test date: 2016-04-12			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	46.84	33.93	10.2	34.29	56.68	74	17.32	PK
2	4882	35.87	33.93	10.2	34.29	45.71	54	8.29	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	48.98	33.93	10.2	34.29	58.82	74	15.18	PK
2	4882	37.75	33.93	10.2	34.29	47.59	54	6.41	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: Car Multimedia Player			M/N: ST-6527BT						
Power: DC 12V From Battery									
Test date: 2016-04-12			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	45.78	33.98	10.22	34.25	55.73	74	18.27	PK
2	4960	35.24	33.98	10.22	34.25	45.19	54	8.81	AV
3	7440	/							
4	9920	/							
5	12400	/							
Antenna Polarity: Horizontal									
1	4960	47.71	33.98	10.22	34.25	57.66	74	16.34	PK
2	4960	37.55	33.98	10.22	34.25	47.5	54	6.5	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: Car Multimedia Player			M/N: ST-6527BT						
Power: DC 12V From Battery									
Test date: 2016-04-12    Test site: 3m Chamber    Tested by: Reak									
Test mode: π /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	44.88	33.95	10.18	34.26	54.75	74	19.25	PK
2	4804	33.62	33.95	10.18	34.26	43.49	54	10.51	AV
3	7206	/							
4	9608	/							
5	12010	/							
Antenna Polarity: Horizontal									
1	4804	46.43	33.95	10.18	34.26	56.3	74	17.7	PK
2	4804	36.14	33.95	10.18	34.26	46.01	54	7.99	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: Car Multimedia Player					M/N: ST-6527BT				
Power: DC 12V From Battery									
Test date: 2016-04-12    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(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882	44.36	33.93	10.2	34.29	54.2	74	19.8	PK
2	4882	33.87	33.93	10.2	34.29	43.71	54	10.29	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	46.21	33.93	10.2	34.29	56.05	74	17.95	PK
2	4882	35.23	33.93	10.2	34.29	45.07	54	8.93	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.									