

# FCC CERTIFICATION TEST REPORT

## FOR

FCC ID:X5B-PL6360A

Report Reference No. ....: 13EAB06003 51

Date of issue.....: 2013-5-31

Testing Laboratory .....: ATT Product Service Co., Ltd.

Address .....: No. 3, ChangLianShan Industrial Park, ChangAn Town,  
DongGuan City, GuangDong, China.

Applicant's name .....: Performance Designed Products,LLC

Address .....: 14144 Ventura Blvd, Suite 200 Sherman Oaks, CA 91423  
U.S.A

Manufacturer .....: Performance Designed Products,LLC

Test specification:

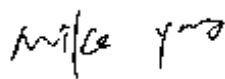
Test item description .....: PS3 AG2 BT Headset

Trade Mark .....: Afterglow

Model/Type reference .....: PL-6360A  
Refer to page 5 for details.

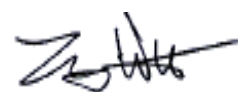
Ratings .....: DC 3.7V 3mA

Responsible Engineer



(Mike Yang/ Engineer)

Approved by



(Tomy Wu /EMC Manager)

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## TEST REPORT DECLARE

<b>Applicant</b>	:	Performance Designed Products,LLC
<b>Address</b>	:	14144 Ventura Blvd, Suite 200 Sherman Oaks, CA 91423 U.S.A
<b>Equipment under Test</b>	:	PS3 AG2 BT Headset
<b>Model No</b>	:	PL-6360A
<b>Trade Mark</b>	:	Afterglow
<b>Manufacturer</b>	:	Performance Designed Products,LLC
<b>Address</b>	:	14144 Ventura Blvd, Suite 200 Sherman Oaks, CA 91423 U.S.A

**Test Standard Used:** FCC Rules and Regulations Part 15 Subpart C: 2010

**Test procedure used:** ANSI C63.10:2009  
FCC Public Notice DA 00-705

**FCC ID:**X5B-PL6360A

**We Declare:**

The equipment described above is tested by ATT Product Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and ATT Product Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

**After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.**

<b>Report No:</b>	13EAB06003 51		
<b>Date of Test:</b>	2013-5-15—2013-5-25	<b>Date of Report:</b>	2013-5-28

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of ATT Product Service Co., Ltd.

## 1.Summary of test results

Description of Test Item	Standard	Results
Maximum Peak Output Power	15.247(b)(1) ANSI C63.10 :2009	PASS
20dB Bandwidth	15. 247(a)(1) ANSI C63.10 :2009	PASS
Carrier Frequency Separation	15.247(a)(1) ANSI C63.10 :2009	PASS
Number Of Hopping Channel	15.247(a)(1)(iii) ANSI C63.10 :2009	PASS
Dwell Time	15.247(a)(1)(iii) ANSI C63.10 :2009	PASS
Radiated Emission	15.209 15.247(d) ANSI C63.10 :2009	PASS
Band Edge Compliance	15.247(d) ANSI C63.10 :2009	PASS
Power Line Conducted Emissions	15.207 ANSI C63.10 :2009	NA
Antenna requirement	15.203	PASS
RF Exposure	15.247(i) 1.1310&2.1093	PASS

## 2.General test information

### 2.1 ACCREDITATIONS

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

**USA**                      **FCC**                      **Registration Number :923232**  
**Canada**                **INDUSTRY CANADA**            **Registration Number :11033A**

### 2.2Description of EUT

EUT* Name	:	PS3 AG2 BT Headset
Model Number	:	PL-6360A
Trade Mark	:	Afterglow
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 3.7V from built-in battery
Radio Specification	:	Bluetooth V2.1+EDR
Operation frequency	:	2402MHz -2480MHz
Modulation	:	GFSK, Pi/4-QPSK, 8-DPSK
Data rate	:	1Mbps, 2Mbps, 3Mbps
Antenna Type	:	built-in "F" shape PCB antenna, maximum PK gain:0.81dBi
Date of Receipt	:	2013-6-2
Sample Type	:	Series production

Note: EUT is the ab. of equipment under test.

This is a standard bluetooth device, using a standard bluetooth technology.

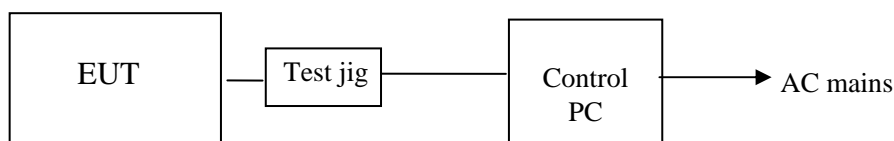
### 2.3Accessories of EUT

Description of Accessories	Manufacturer	Model number or Type	Other
/	/	/	/

### 2.4Assistant equipment used for test

Description of Assistant equipment	Manufacturer	Model number or Type	Other
PC	Lenovo	E R500	/

### 2.5Block diagram of EUT configuration for test



EUT’s Bluetooth module was connected to a special test jig provided by manufacturer which has a standard RSS-232 connector to connect to control PC, and the control PC will run a special test software

“RF Control Kit v1.0.exe” provided by manufacturer to control EUT work in test mode as blow table.

Tested mode, channel, information		
Mode	Channel	Frequency (MHz)
GFSK hopping on Tx Mode	CH0 to CH78	2402 to 2480
8-DPSK hopping on Tx Mode	CH0 to CH78	2402 to 2480
GFSK hopping off Tx Mode	CH0	2402
	CH39	2441
	CH78	2480
Pi/4-QPSK hopping off Tx Mode	CH0	2402
	CH39	2441
	CH78	2480
8-DPSK hopping off Tx Mode	CH0	2402
	CH39	2441
	CH78	2480

Note1: Some modes not apply for all the test items.

Note2: For  $\pi/4$  QPSK its same modulation type with 8-DPSK, and based exploratory test, there is no significant difference of that two types test result, so except output power, all other items final test were only performed with 8-DPSK and GFSK.

## 2.6 Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

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

## 2.7 Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.44dB
Uncertainty for Radiation Emission test (150KHz-30MHz)	3.21dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz to 25GHz)	2.08dB(Polarize: V)
	2.56dB (Polarize: H)
Uncertainty for radio frequency	1×10 <sup>-9</sup>
Uncertainty for conducted RF Power	0.65dB

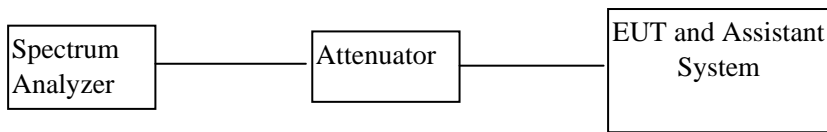
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3. Maximum Peak Output Power

#### 3.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1Y

#### 3.2 Block diagram of test setup



#### 3.3 Limits

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.

#### 3.4 Test Procedure

- (1) Configure EUT and assistant system according clause 2.4 and 3.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable and though a 10dB attenuator.
- (3) Configure EUT work in test mode as stated in clause 2.4.

Measure the maximum output power of EUT by spectrum analyzer with PK detector and RBW=1MHz, VBW=3MHz , Span=5MHz, Sweep time=auto, Trace=max hold.

Note: The attenuator loss was inputted into spectrum analyzer as amplitude offset.



### 3.5 Test Result

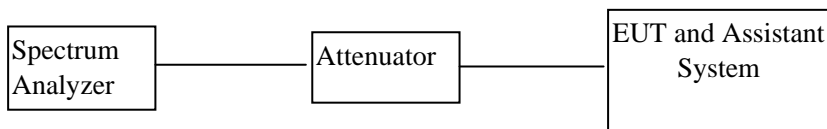
EUT: PS3 AG2 BT Headset M/N: PL-6360A				
Mode	Freq (MHz)	Result (dBm)	Limit (dBm)	Conclusion
GFSK	2402	2.23	30	PASS
	2441	2.56	30	PASS
	2480	2.18	30	PASS
$\pi/4$ QPSK	2402	2.01	30	PASS
	2441	2.06	30	PASS
	2480	1.99	30	PASS
8-DPSK	2402	1.09	30	PASS
	2441	1.89	30	PASS
	2480	2.08	30	PASS
Test Date : 2013-5-27			Test Engineer : Mike Yang	

## 4.20dB Bandwidth

### 4.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1Y

### 4.2 Block diagram of test setup



### 4.3 Limits

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.

### 4.4 Test Procedure

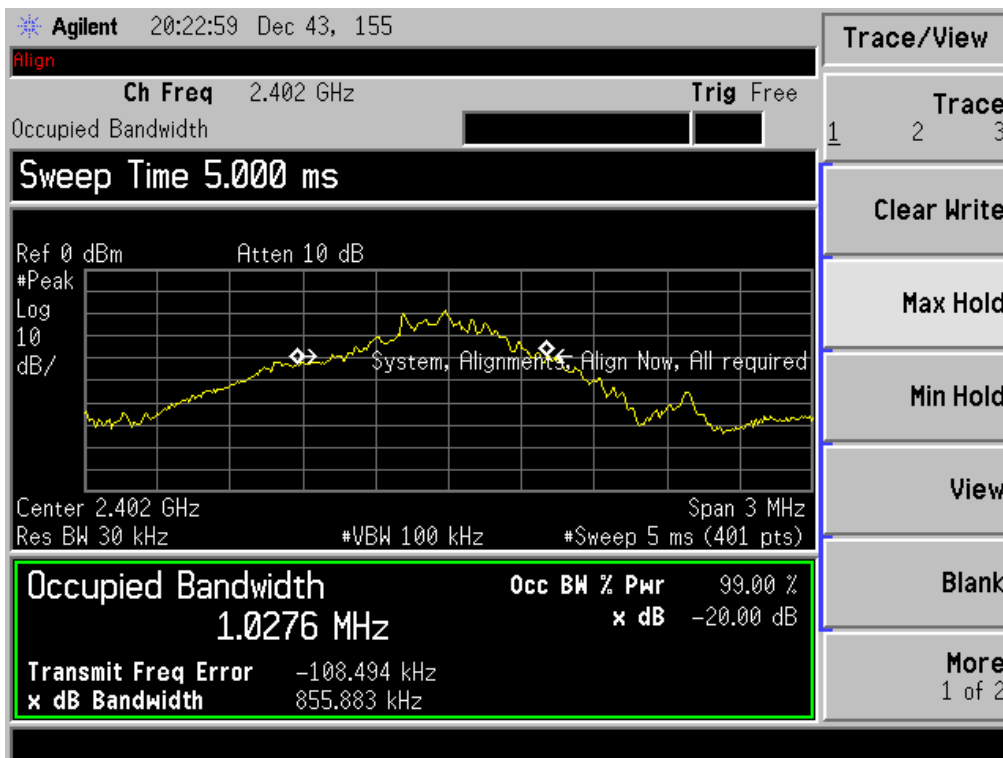
- (1) Configure EUT and assistant system according clause 2.4 and 4.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable and through a 10dB attenuator.
- (3) Configure EUT work in test mode as stated in clause 2.4.
- (4) The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW =30kHz and VBW =100kHz.,Span=3MHz,Sweep time=auto
- (5) The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

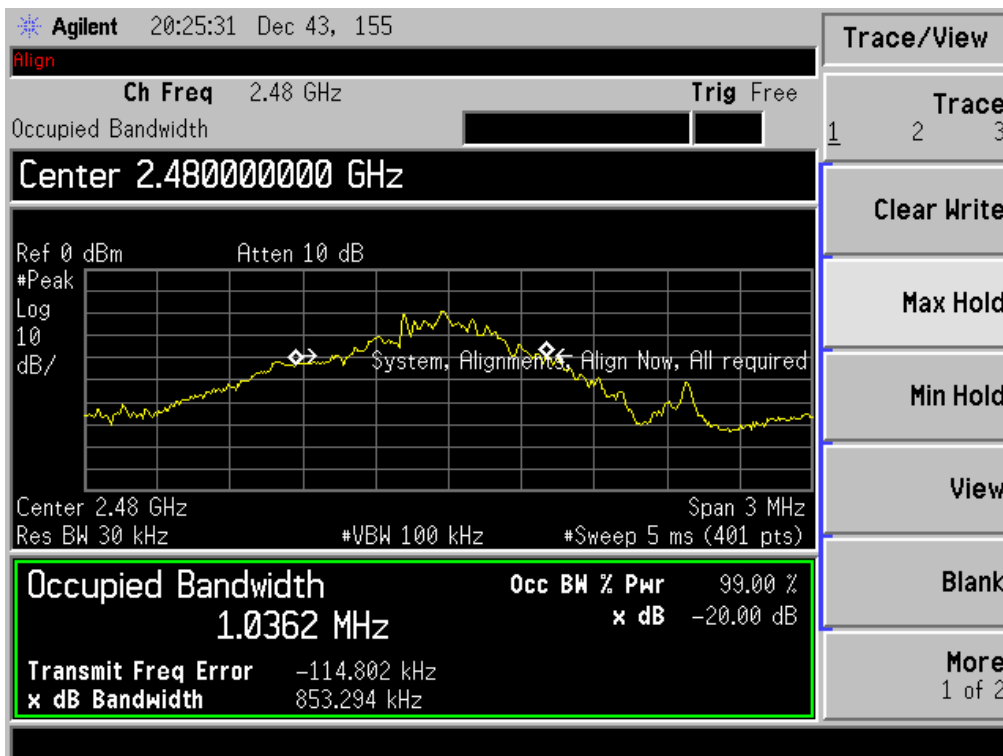
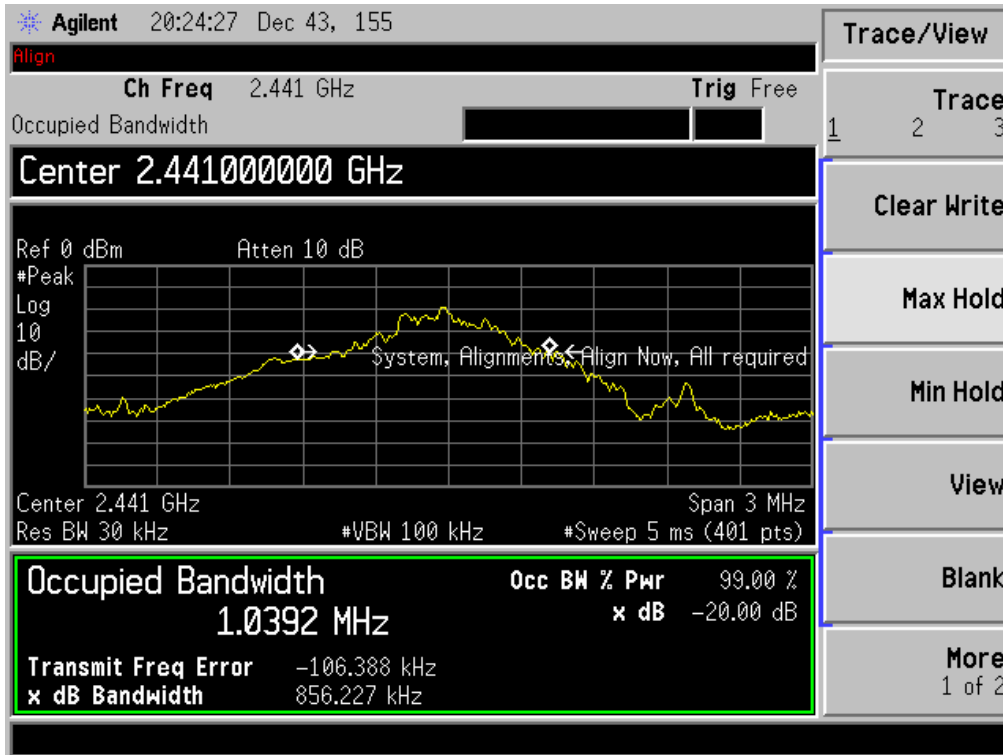
### 4.5 Test Result

EUT: PS3 AG2 BT Headset		M/N: PL-6360A			
Mode	Freq (MHz)	Result (MHz)	Limit (MHz)	Margin (MHz)	Conclusion
GFSK	2402	0.855	/	/	PASS
	2441	0.856	/	/	PASS
	2480	0.853	/	/	PASS
8-DPSK	2402	1.194	/	/	PASS
	2441	1.201	/	/	PASS
	2480	1.196	/	/	PASS
Test Date : 2013-5-27			Test Engineer : Mike Yang		

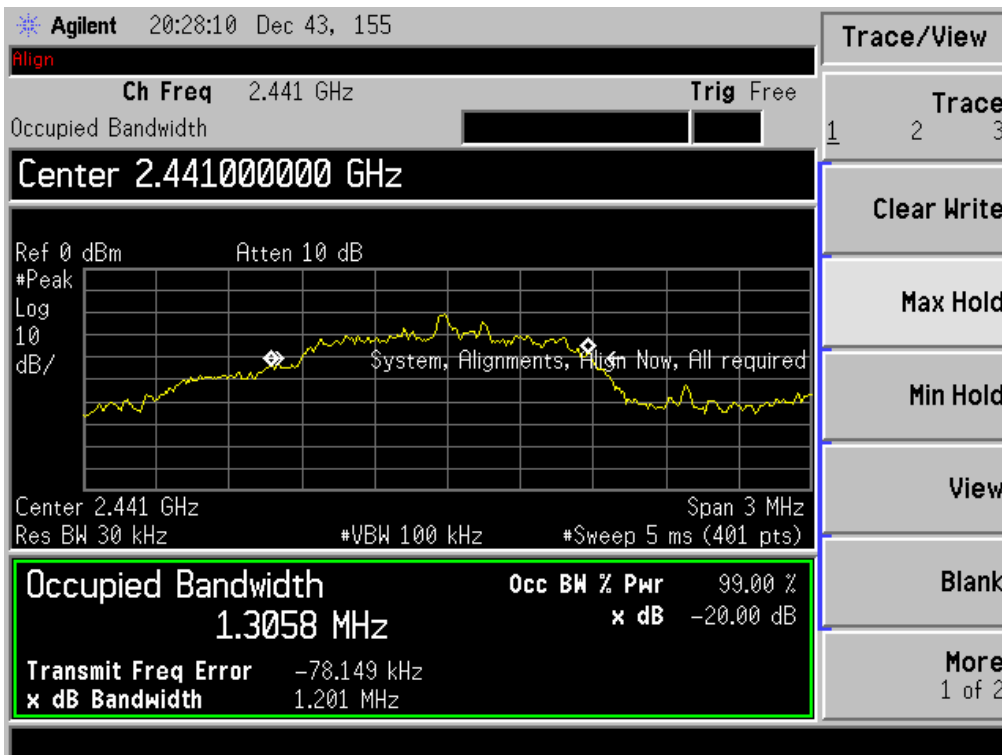
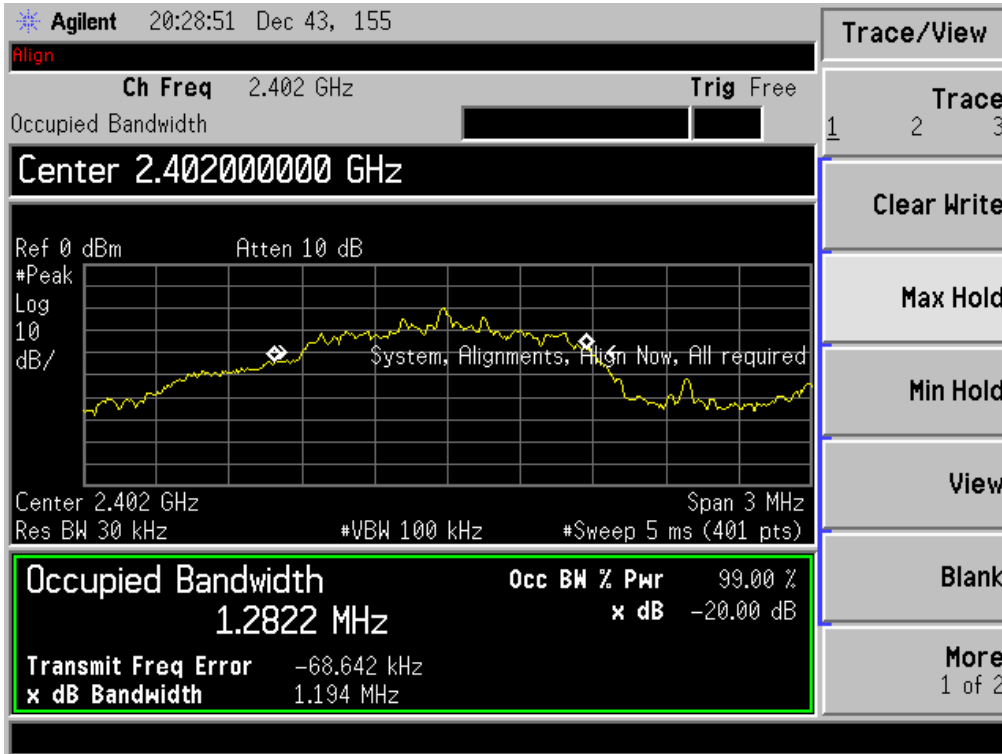
### 4.6 Original test data

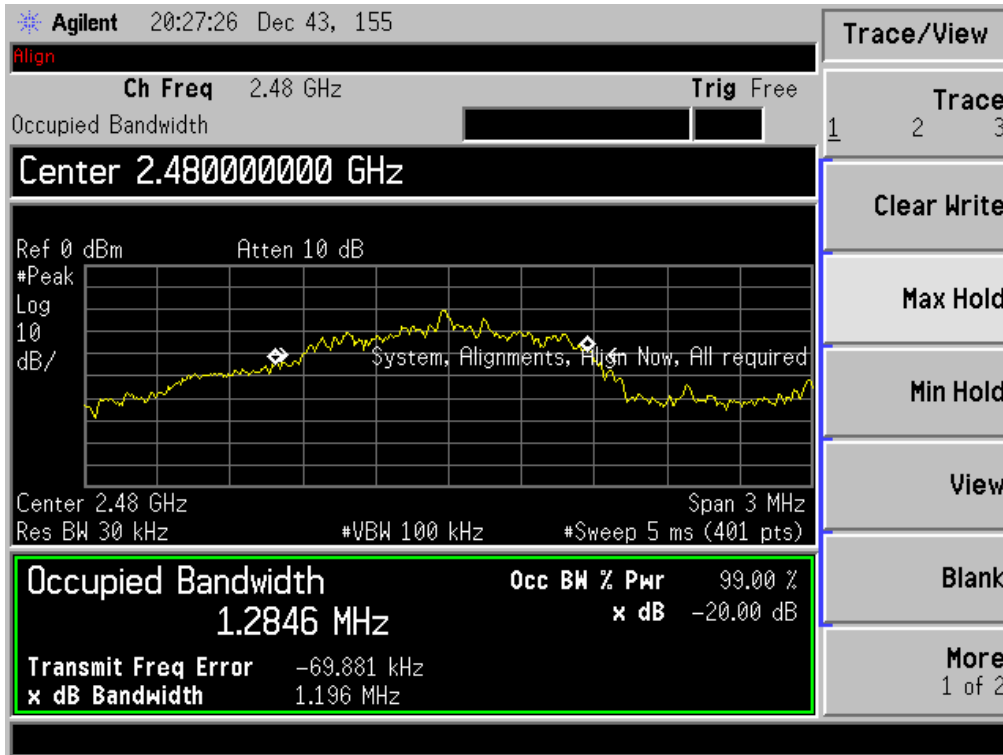
GFSK Mode





8-DPSK Mode



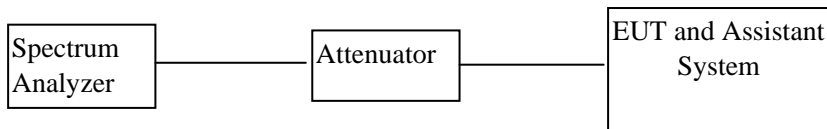


## 5. Carrier Frequency Separation

### 5.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1Y

### 5.2 Block diagram of test setup



### 5.3 Limits

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.

### 5.4 Test Procedure

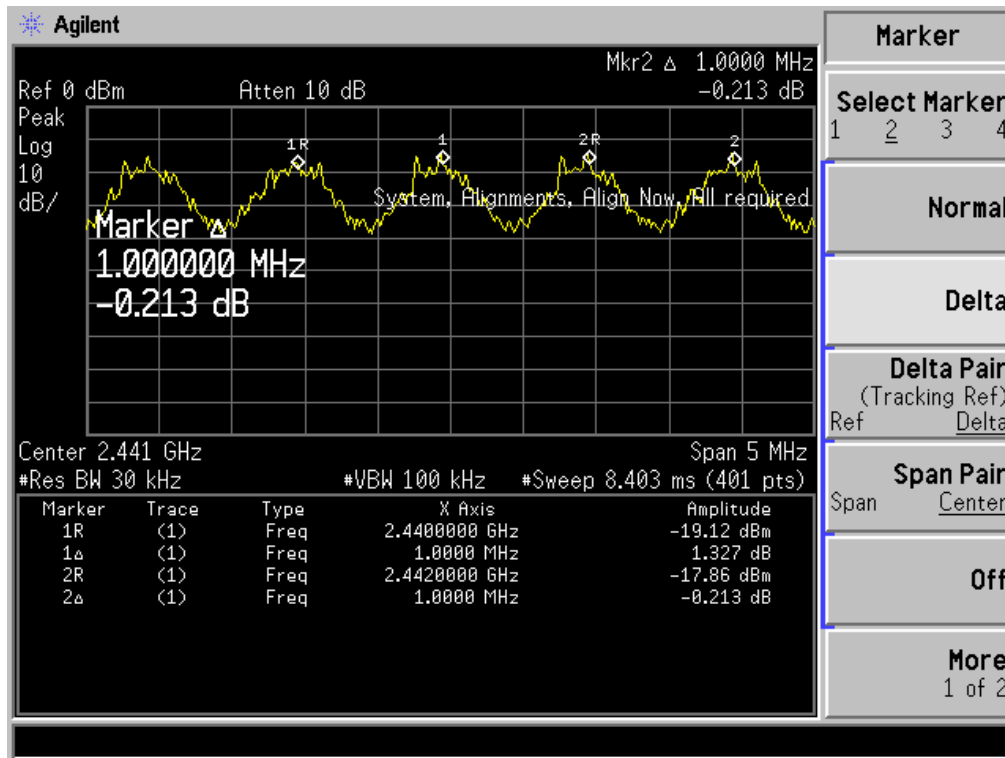
- (1) Configure EUT and assistant system according clause 2.4 and 5.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable and though a 10dB attenuator.
- (3) Configure EUT work in test mode as stated in clause 2.4.
- (4) The carrier frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

### 5.5 Test Result

EUT: PS3 AG2 BT Headset M/N: PL-6360A				
Mode	Channel separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz) 2/3 of 20dB bandwidth	Conclusion
GFSK	1.0	0.856	0.571	PASS
8-DPSK	1.0	1.20	0.800	PASS
Test Date :2013-5-27			Test Engineer : Mike Yang	

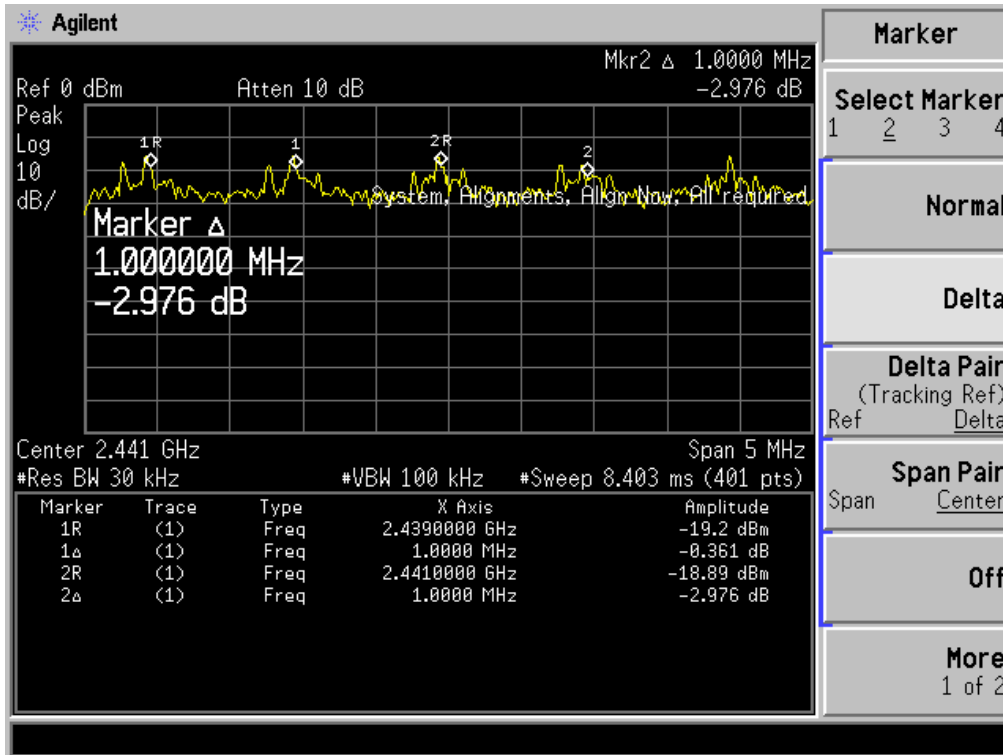
### 5.6 Original test data

#### GFSK



#### 8-DPSK



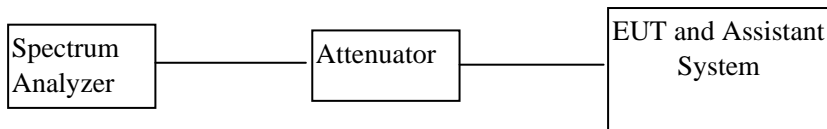


## 6.Number Of Hopping Channel

### 6.1Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1Y

### 6.2Block diagram of test setup



### 6.3Limits

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

### 6.4Test Procedure

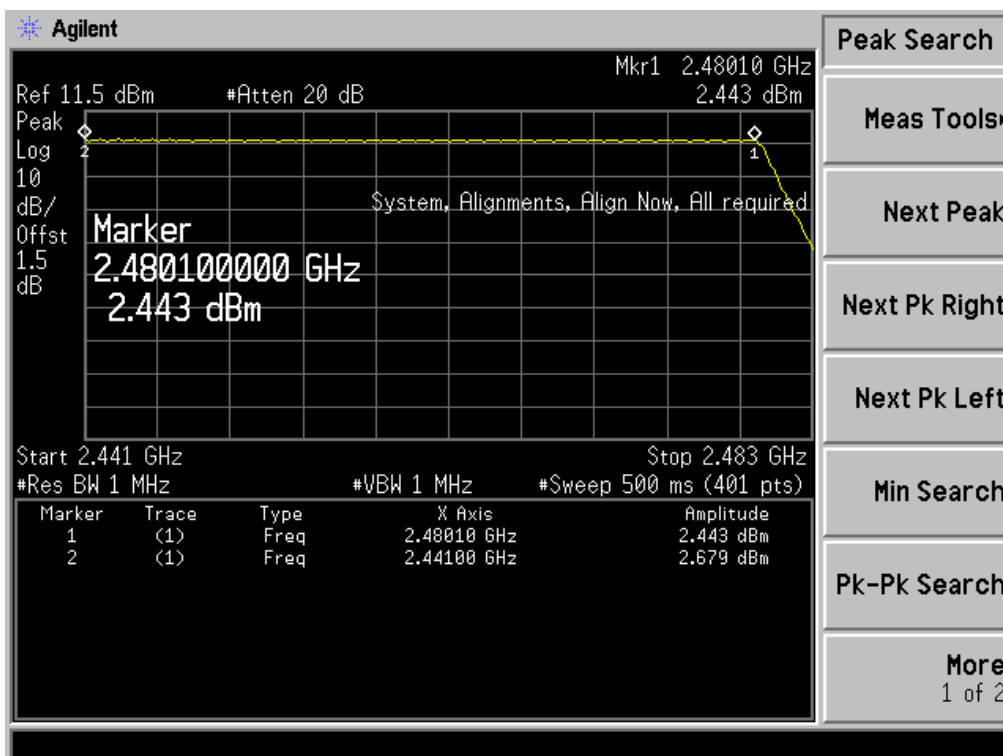
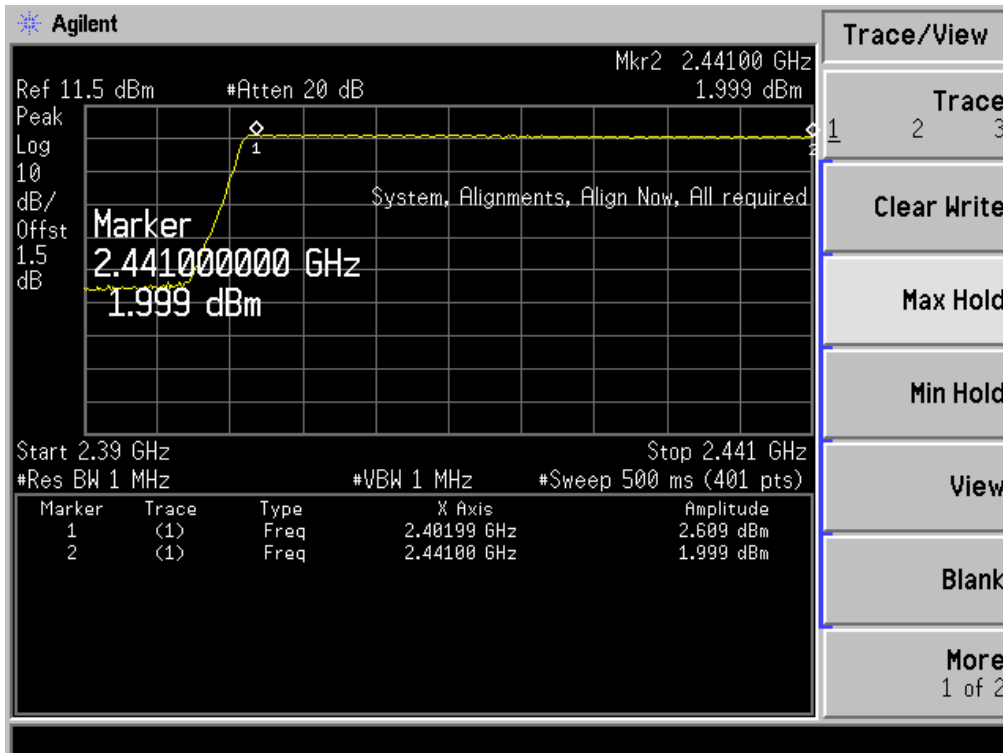
- (1) Configure EUT and assistant system according clause 2.4 and 6.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable and though a 10dB attenuator.
- (3) Configure EUT work in test mode as stated in clause 2.4.
- (4) The number of hopping channel was measured by spectrum analyzer with 300 kHz RBW and 1MHz VBW.

### 6.5Test Result

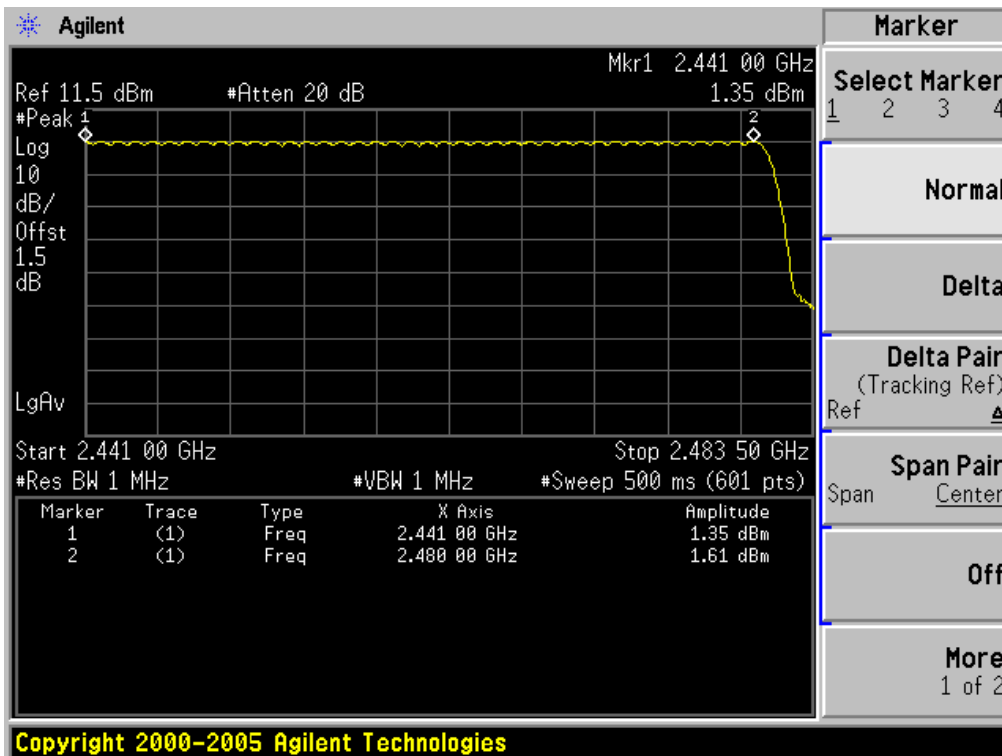
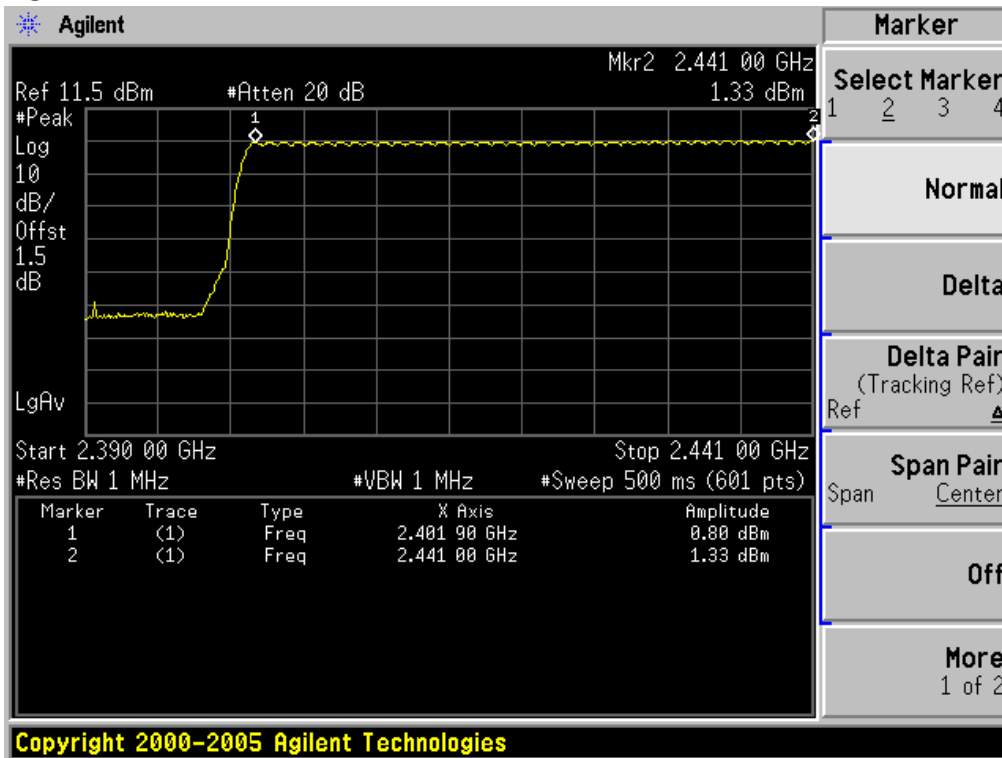
EUT: PS3 AG2 BT Headset M/N: PL-6360A			
Mode	Number of hopping channel	Limit	Conclusion
GFSK	79	>15	PASS
8-DPSK	79	>15	PASS
Test Date : 2013-5-27		Test Engineer : Mike Yang	

### 6.6 Original test data

GFSK:



8-DPSK:

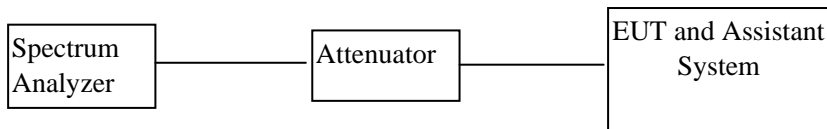


## 7.Dwell Time

### 7.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1Y

### 7.2 Block diagram of test setup



### 7.3 Limits

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

### 7.4 Test Procedure

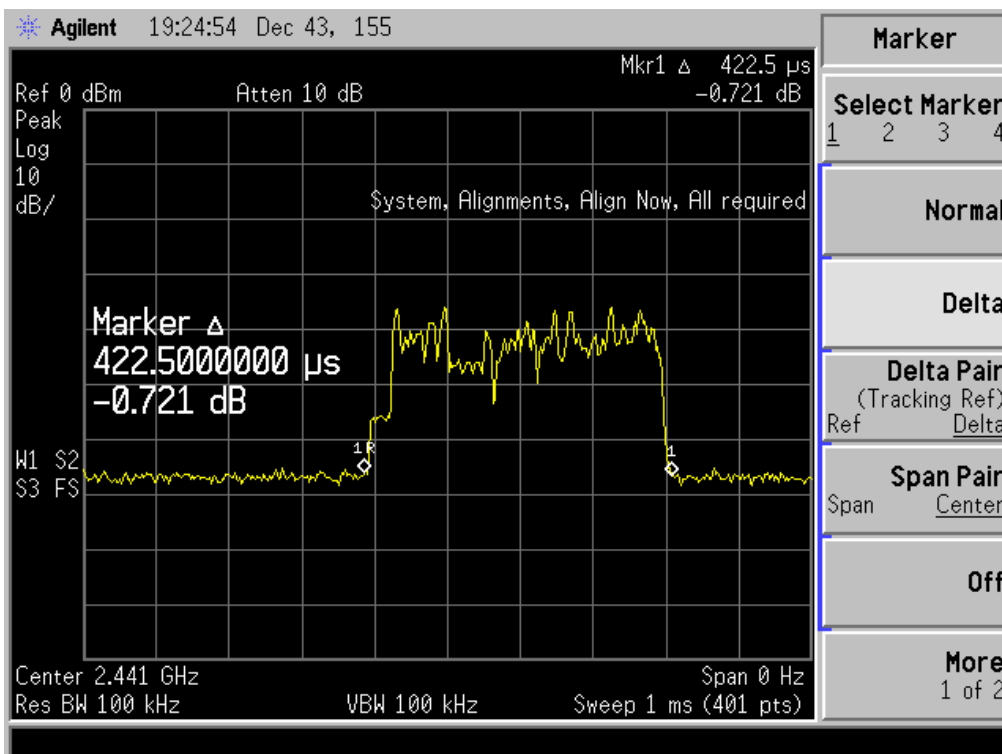
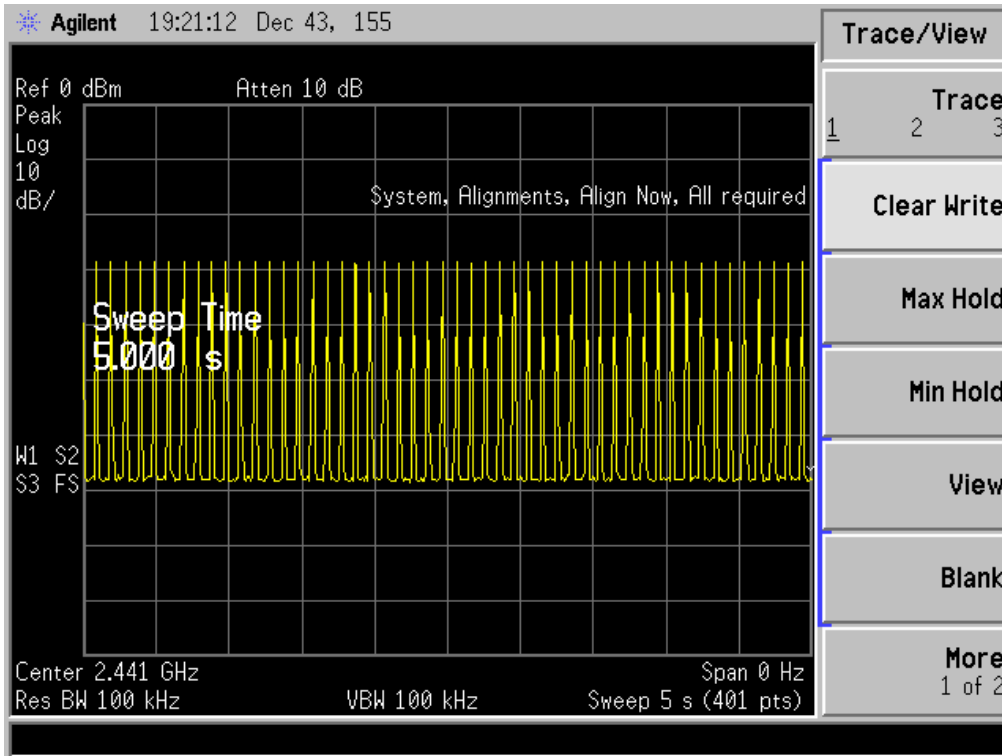
- (1) Configure EUT and assistant system according clause 2.4 and 7.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable and through a 10dB attenuator.
- (3) Configure EUT work in test mode as stated in clause 2.4.
- (4) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span set, and calculate dwell time with formula  $Dwell\ time = Hopping\ number / measure\ time * 0.4 * 79 * pulse's\ on\ time$

### 7.5 Test Result

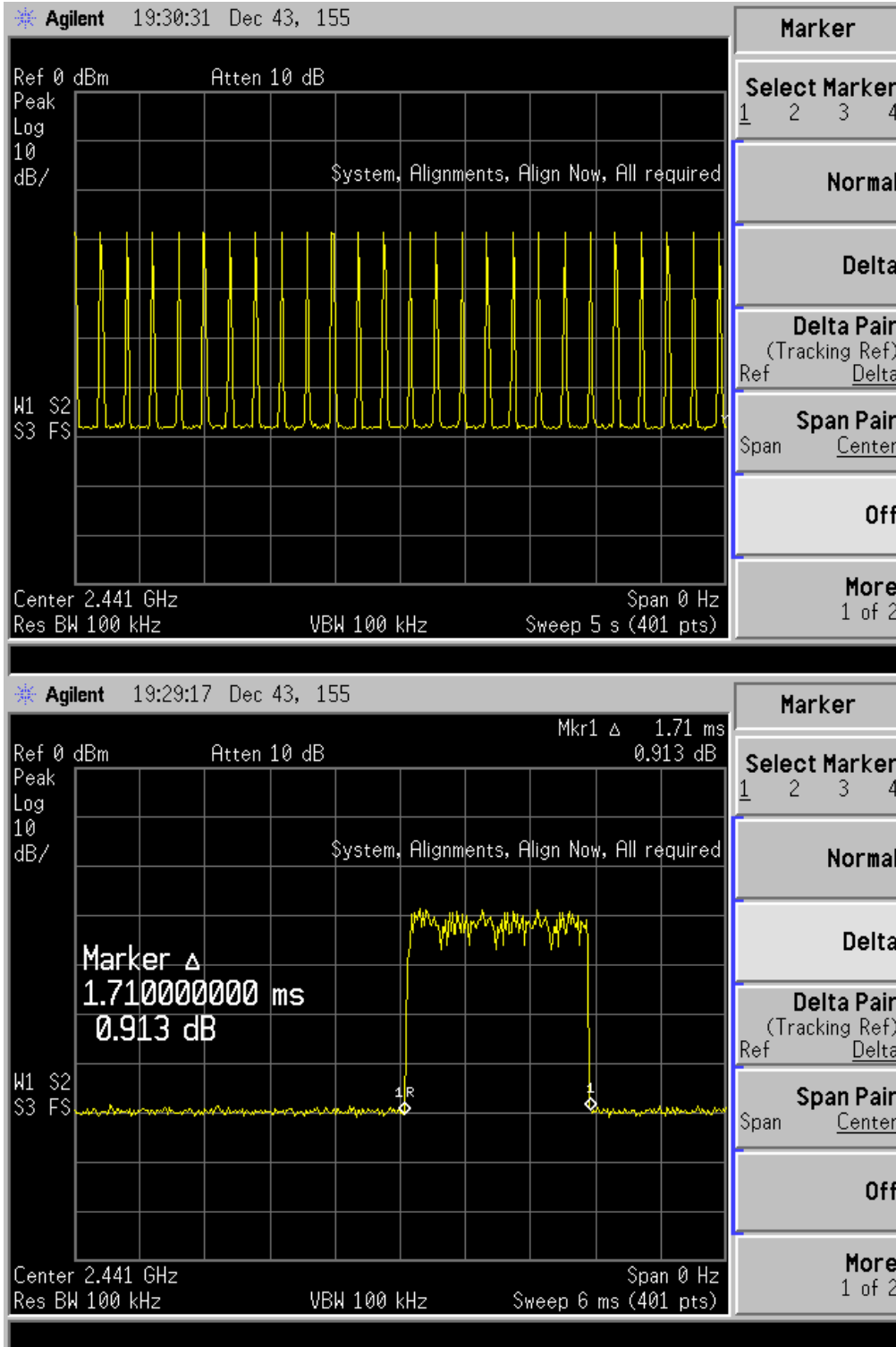
EUT: PS3 AG2 BT Headset M/N: PL-6360A			
Mode	Number of hopping channel	Limit	Conclusion
DH1	133.51ms	<400ms	PASS
DH3	280.99ms	<400ms	PASS
DH5	322.32ms	<400ms	PASS
3-DH1	140.62ms	<400ms	PASS
3-DH3	280.45ms	<400ms	PASS
3-DH5	319.63ms	<400ms	PASS
Test Date : 2013-5-23		Test Engineer : Mike Yang	

**7.6 Original test data**

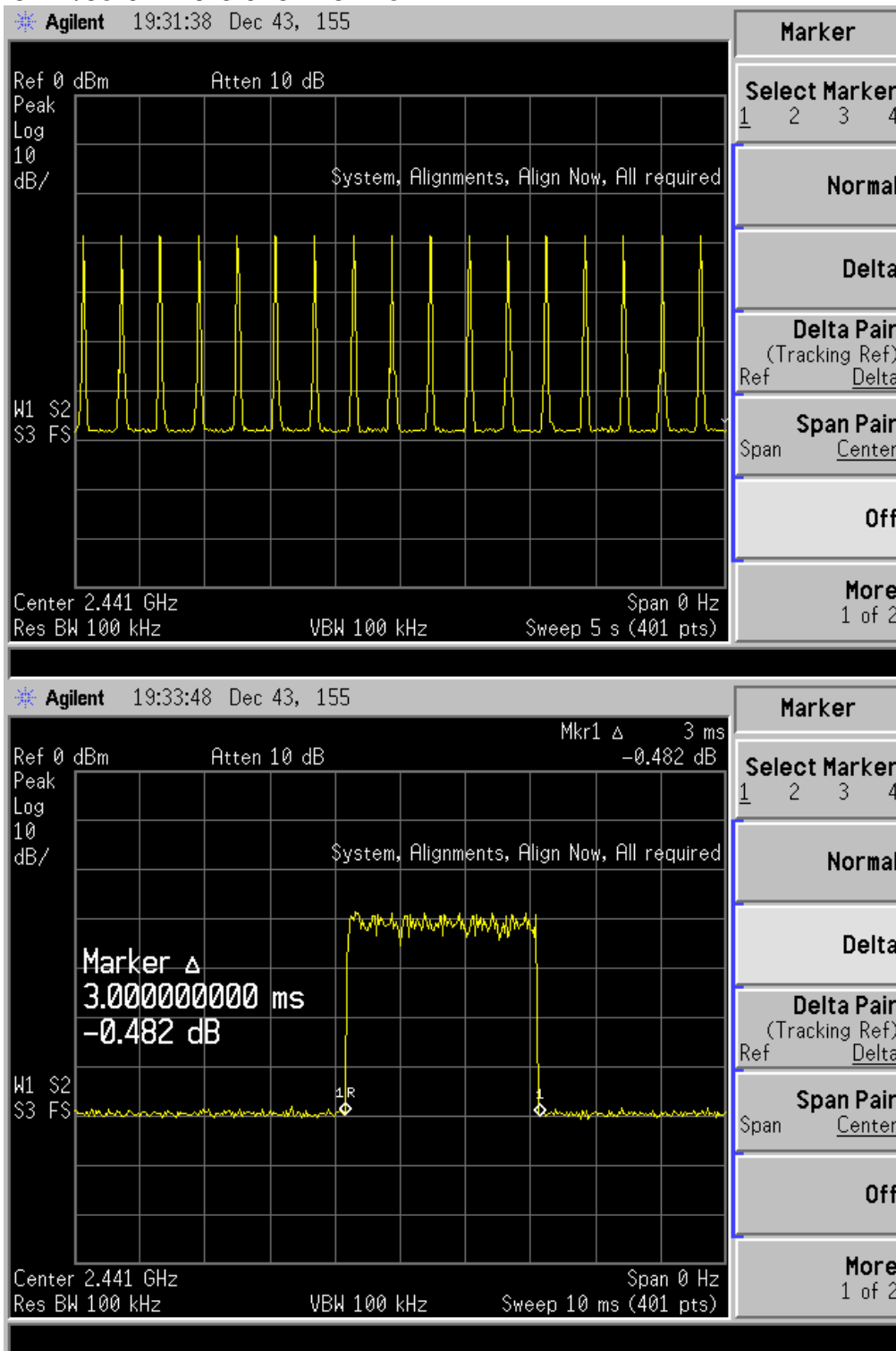
DH1:  $50/5s * 0.4 * 79 * 0.4225 = 133.51ms$



DH3:  $26/5s \times 0.4 \times 79 \times 1.71 = 280.9872ms$

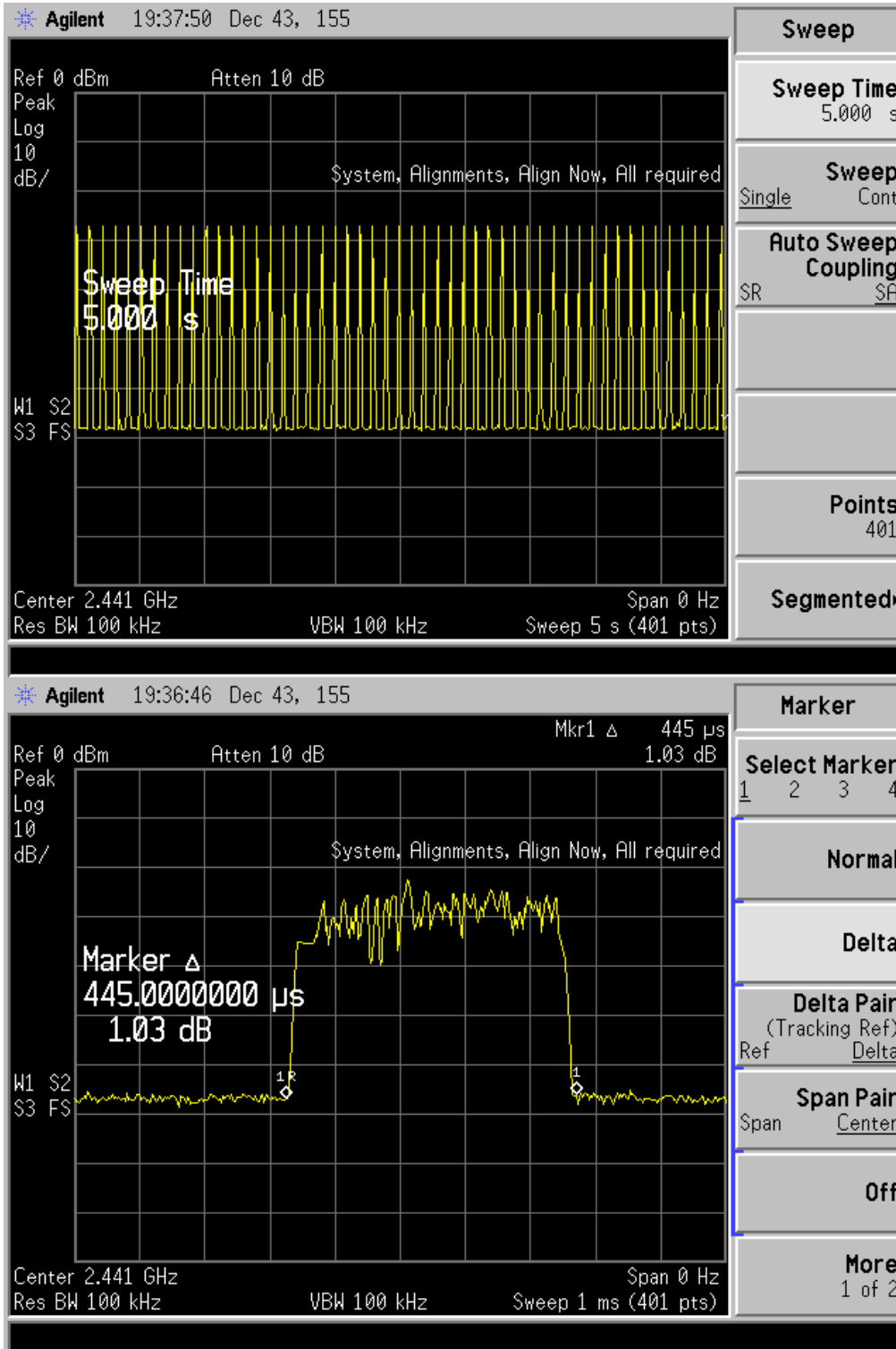


DH5:  $17/5s * 0.4 * 79 * 3.0 = 322.32ms$

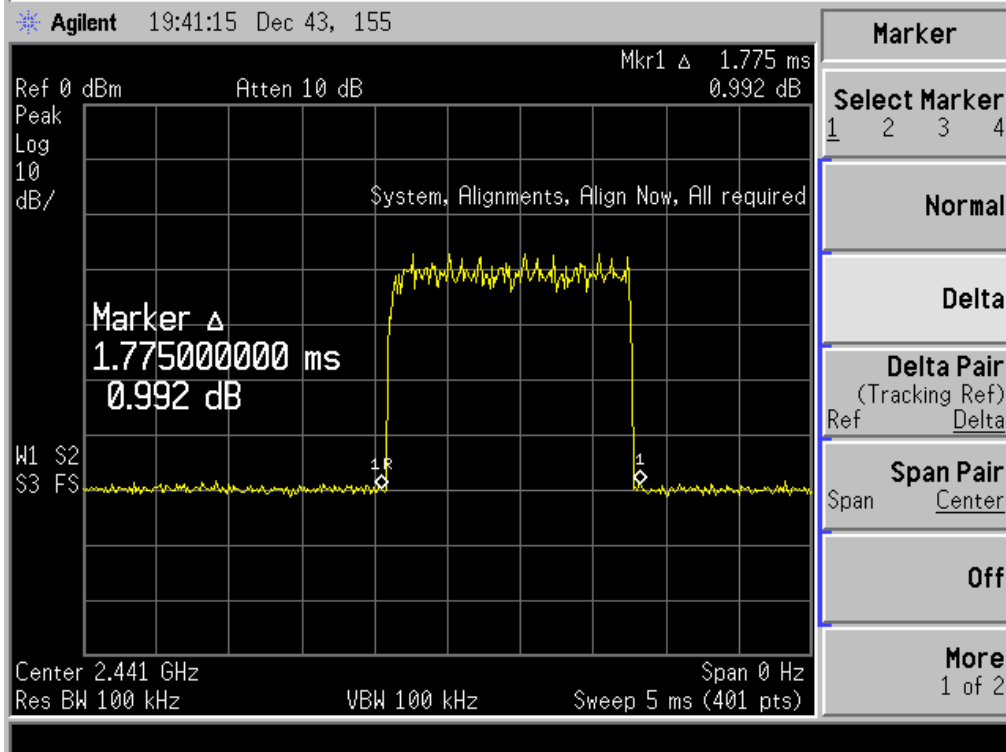
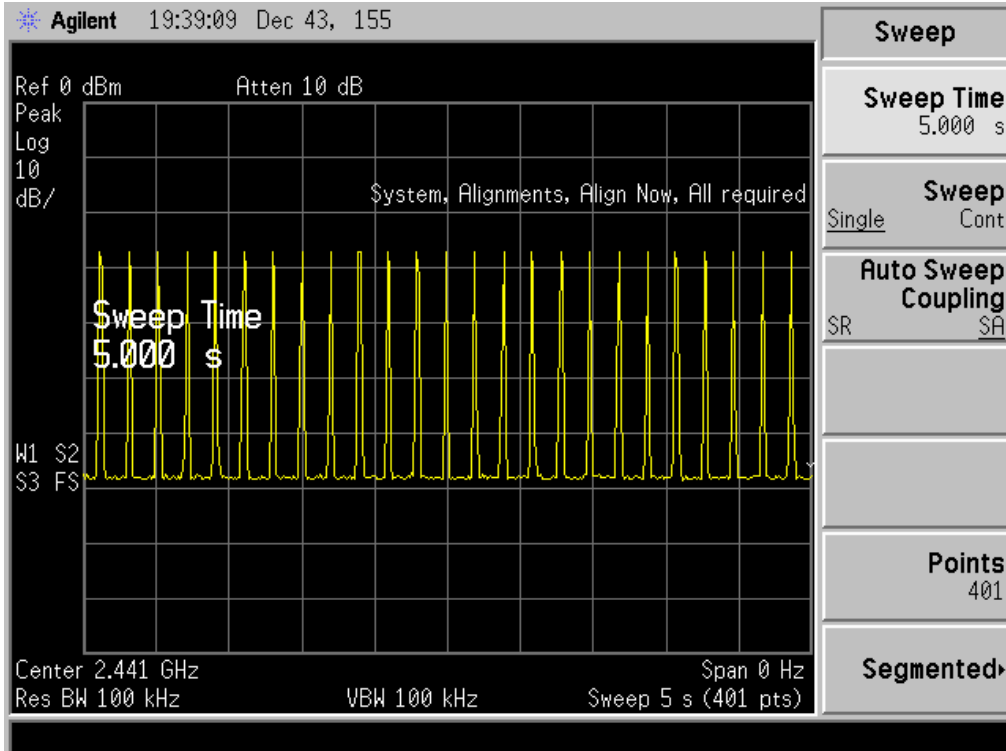




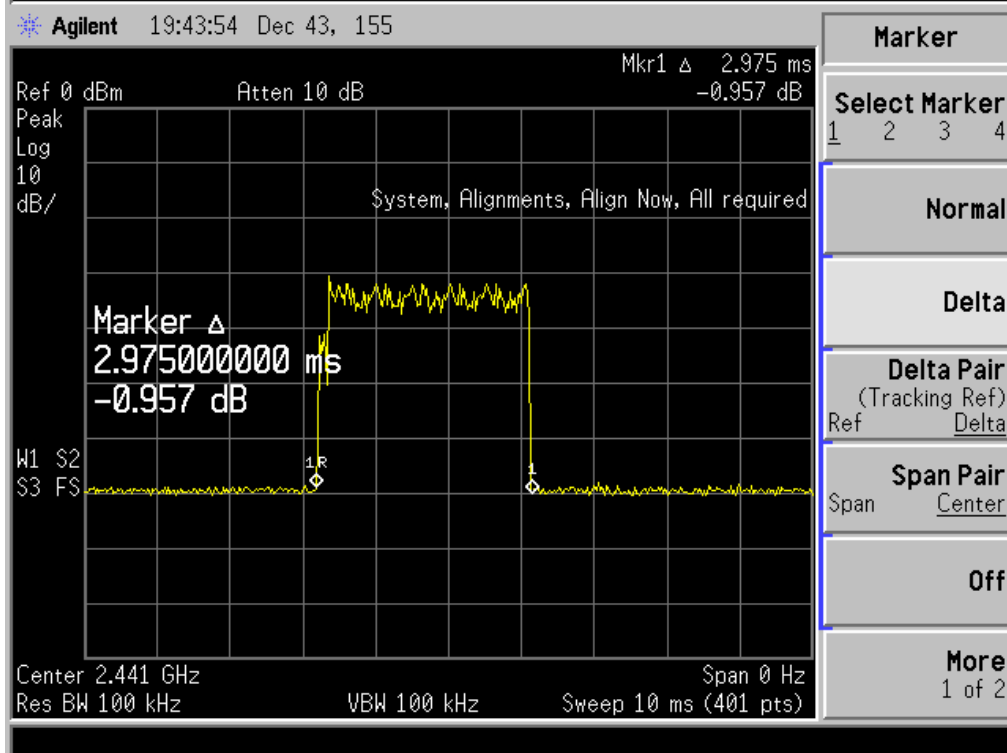
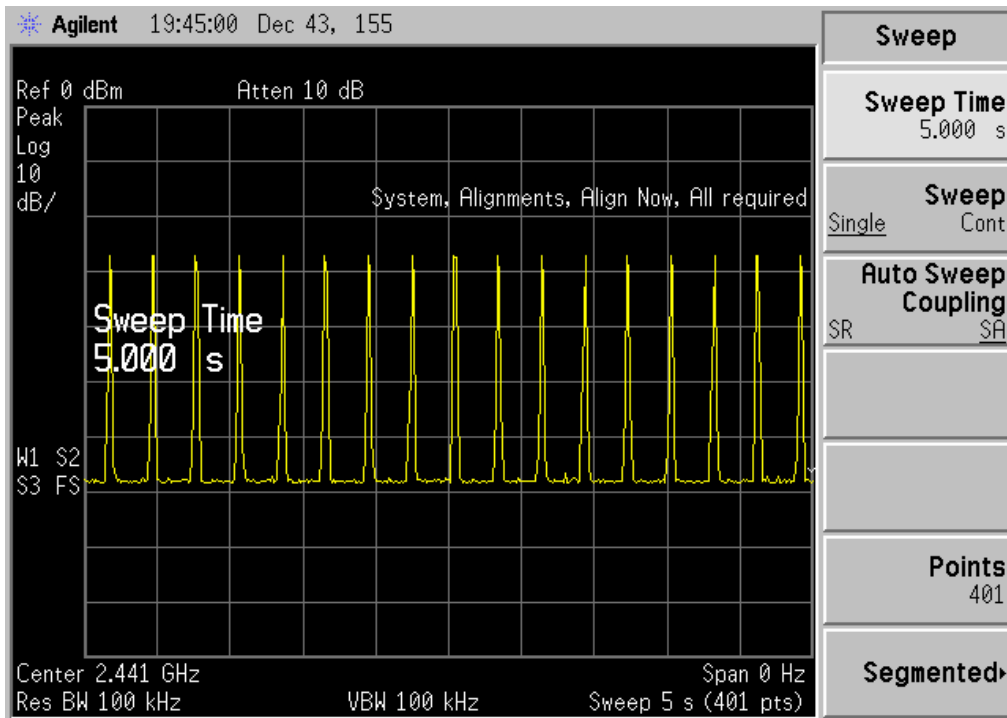
3-DH1:  $50/5s \times 0.4 \times 79 \times 0.445 = 140.62ms$



$3\text{-DH3: } 25/5\text{s} * 0.4 * 79 * 1.775 = 280.45\text{ms}$



3-DH5:  $17/5s * 0.4 * 79 * 2.975 = 319.634ms$



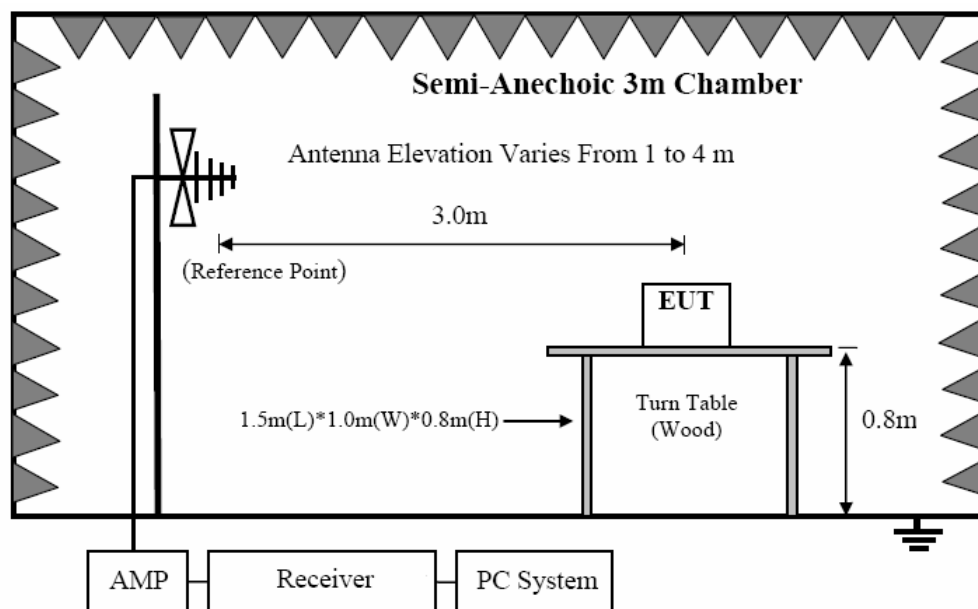
## 8. Radiated emission

### 8.1 Test equipment

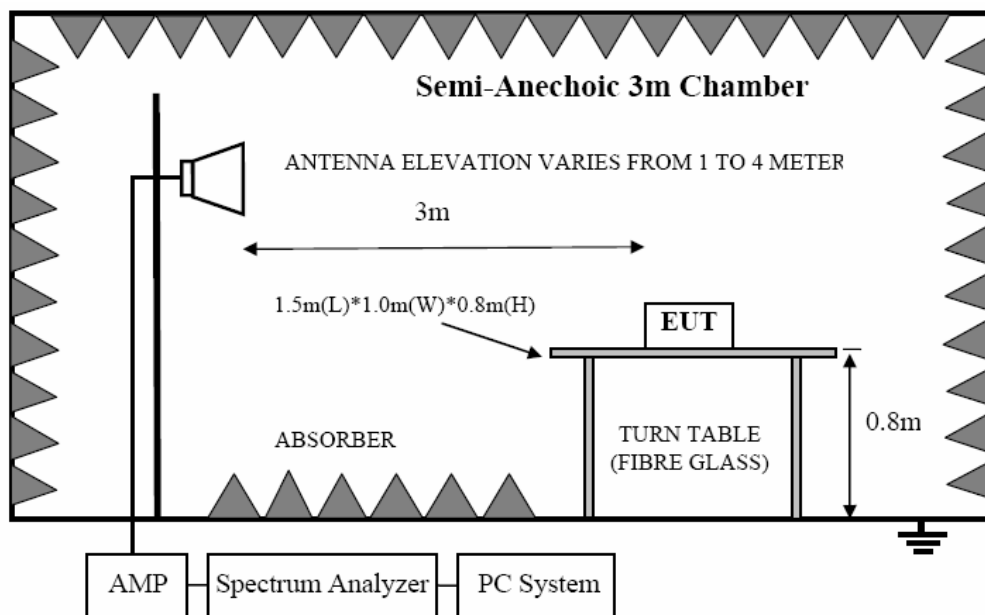
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESU8	100316	2012/11/26	1Y
2	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
3	Loop antenna	Chase	HLA6120	20129	2012/12/28	1Y
4	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2012/12/28	1Y
5	Double Ridged Horn Antenna	R&S	HF907	100276	2012/12/28	1Y
6	Pre-Amplifier	R&S	SCU-01	10049	2012/12/28	1Y
7	Pre-amplifier	A.H.	PAM0-0118	360	2012/12/28	1Y
8	RF Cable	R&S	R01	10403	2012/12/28	1Y
9	RF Cable	R&S	R02	10512	2012/12/28	1Y
10	Horn Antenna	EMCO	3116	9608-4877	2012/12/28	1Y

### 8.2 Block diagram of test setup

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



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.

### 8.3Limit

#### 8.3.1 FCC 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> )

8.3.2 FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

8.3.3 Limit for this EUT

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.

**8.4 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 assistant system according clause 2.4 and 8.2
- (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) Change power supply range from 85% to 115% of the rated supply voltage
  - (d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9MHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so below final test was performed with frequency range from 30MHz to 18GHz.
- (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 C63.10 2009 on Radiated Emission test.
- (6) For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 KHz.
- (7) 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) For emissions below 1GHz, according explorer test, when change Tx mode and channel,

have no distinct influence on emissions level, so for emissions below 1GHz, the final test was only performed with EUT working in GFSK, Tx 2440MHz mode.

## 8.5 Test result

### **PASS. (See below detailed test result)**

All the emissions except fundamental emission from 9KHz to 25GHz were comply with 15.209 limit.

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

## Radiated Emission Test Result (Below 1GHz)

**Test Mode:GFSK**

<b>Test Site</b>	: 3m Chamber	<b>Tested By</b>	: Mike Yang
<b>Test Date</b>	: 2013-5-23	<b>Model Number</b>	: PL-6360A
<b>EUT</b>	: PS3 AG2 BT Headset	<b>Test Mode</b>	: GFSK Tx mode CH0
<b>Power Supply</b>	: DC 3.7V	<b>Antenna/Distance</b>	: 3m/V
<b>Condition</b>	: Temp:24.5°C,Humi:55%		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	32.9099	35.70	-13.74	21.96	39.50	-17.54	QP
2	75.5899	36.95	-15.39	21.56	39.50	-17.94	QP
3	413.1499	35.86	-6.40	29.46	45.50	-16.04	QP
4	677.9600	29.80	-0.29	29.51	45.50	-15.99	QP
5	790.4800	29.80	0.94	30.74	45.50	-14.76	QP
6	897.1798	30.21	0.78	30.99	45.50	-14.51	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

<b>Test Site</b>	: 3m Chamber	<b>Tested By</b>	: Mike Yang
<b>Test Date</b>	: 2013-5-23	<b>Model Number</b>	: PL-6360A
<b>EUT</b>	: PS3 AG2 BT Headset	<b>Test Mode</b>	: GFSK Tx mode CH0
<b>Power Supply</b>	: DC 3.7V	<b>Antenna/Distance</b>	: 3m/H
<b>Condition</b>	: Temp:24.5°C,Humi:55%		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	124.0900	33.23	-12.94	20.29	43.00	-22.71	QP
2	224.0000	41.11	-13.29	27.82	45.50	-17.68	QP
3	414.1200	40.81	-6.53	34.28	45.50	-11.22	QP
4	480.0799	32.20	0.63	32.83	45.50	-12.67	QP
5	680.8700	36.04	0.12	36.16	45.50	-9.34	QP
6	796.2998	33.06	4.58	37.64	45.50	-7.86	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit



**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH39  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	224.0000	44.78	-15.46	29.32	45.50	-16.18	QP
2	414.1200	49.77	-9.49	40.28	45.50	-5.22	QP
3	480.0799	38.44	-2.61	35.83	45.50	-9.67	QP
4	680.8700	41.59	-4.43	37.16	45.50	-8.34	QP
5	796.2998	40.89	-0.75	40.14	45.50	-5.36	QP
6	519.8500	39.49	-8.42	31.07	45.50	-14.43	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH39  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	75.5899	43.26	-16.70	26.56	39.50	-12.94	QP
2	109.5400	41.21	-18.12	23.09	43.00	-19.91	QP
3	413.1499	39.82	-9.36	30.46	45.50	-15.04	QP
4	577.0800	32.56	-7.88	24.68	45.50	-20.82	QP
5	677.9600	34.83	-4.82	30.01	45.50	-15.49	QP
6	796.2998	35.26	-4.85	30.41	45.50	-15.09	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH78  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	75.5899	42.26	-16.70	25.56	39.50	-13.94	QP
2	109.5400	40.21	-18.12	22.09	43.00	-20.91	QP
3	413.1499	38.82	-9.36	29.46	45.50	-16.04	QP
4	481.0500	36.69	-11.18	25.51	45.50	-19.99	QP
5	672.1399	34.86	-5.28	29.58	45.50	-15.92	QP
6	796.2998	33.76	-4.85	28.91	45.50	-16.59	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH78  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	75.5899	42.26	-16.70	25.56	39.50	-13.94	QP
2	109.5400	40.21	-18.12	22.09	43.00	-20.91	QP
3	413.1499	38.82	-9.36	29.46	45.50	-16.04	QP
4	481.0500	36.69	-11.18	25.51	45.50	-19.99	QP
5	672.1399	34.86	-5.28	29.58	45.50	-15.92	QP
6	796.2998	33.76	-4.85	28.91	45.50	-16.59	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test mode:8DPSK**

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH0  
**Antenna/Distance** : 3m/V

No. <sup>↕</sup>	Frequency <sup>↕</sup>	Reading <sup>↕</sup>	Correct <sup>↕</sup>	Result <sup>↕</sup>	Limit <sup>↕</sup>	Margin <sup>↕</sup>	Remark <sup>↕</sup>
↕	(MHz) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	Factor(dB/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dB) <sup>↕</sup>	↕
1 <sup>↕</sup>	39.7000 <sup>↕</sup>	42.16 <sup>↕</sup>	-14.82 <sup>↕</sup>	27.34 <sup>↕</sup>	39.50 <sup>↕</sup>	-12.16 <sup>↕</sup>	QP <sup>↕</sup>
2 <sup>↕</sup>	89.1700 <sup>↕</sup>	32.62 <sup>↕</sup>	-15.14 <sup>↕</sup>	17.48 <sup>↕</sup>	43.00 <sup>↕</sup>	-25.52 <sup>↕</sup>	QP <sup>↕</sup>
3 <sup>↕</sup>	174.5300 <sup>↕</sup>	26.15 <sup>↕</sup>	-10.82 <sup>↕</sup>	15.33 <sup>↕</sup>	43.00 <sup>↕</sup>	-27.67 <sup>↕</sup>	QP <sup>↕</sup>
4 <sup>↕</sup>	405.3899 <sup>↕</sup>	45.79 <sup>↕</sup>	-6.63 <sup>↕</sup>	39.16 <sup>↕</sup>	45.50 <sup>↕</sup>	-6.34 <sup>↕</sup>	QP <sup>↕</sup>
5 <sup>↕</sup>	492.6899 <sup>↕</sup>	40.68 <sup>↕</sup>	-7.52 <sup>↕</sup>	33.16 <sup>↕</sup>	45.50 <sup>↕</sup>	-12.34 <sup>↕</sup>	QP <sup>↕</sup>
6 <sup>↕</sup>	528.5800 <sup>↕</sup>	38.51 <sup>↕</sup>	-5.54 <sup>↕</sup>	32.97 <sup>↕</sup>	45.50 <sup>↕</sup>	-12.53 <sup>↕</sup>	QP <sup>↕</sup>

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH0  
**Antenna/Distance** : 3m/H

No. <sup>↕</sup>	Frequency <sup>↕</sup>	Reading <sup>↕</sup>	Correct <sup>↕</sup>	Result <sup>↕</sup>	Limit <sup>↕</sup>	Margin <sup>↕</sup>	Remark <sup>↕</sup>
↕	(MHz) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	Factor(dB/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dB) <sup>↕</sup>	↕
1 <sup>↕</sup>	39.7000 <sup>↕</sup>	42.16 <sup>↕</sup>	-14.54 <sup>↕</sup>	27.62 <sup>↕</sup>	39.50 <sup>↕</sup>	-11.88 <sup>↕</sup>	QP <sup>↕</sup>
2 <sup>↕</sup>	126.0300 <sup>↕</sup>	29.55 <sup>↕</sup>	-12.73 <sup>↕</sup>	16.82 <sup>↕</sup>	43.00 <sup>↕</sup>	-26.18 <sup>↕</sup>	QP <sup>↕</sup>
3 <sup>↕</sup>	414.1200 <sup>↕</sup>	45.23 <sup>↕</sup>	-6.53 <sup>↕</sup>	38.70 <sup>↕</sup>	45.50 <sup>↕</sup>	-6.80 <sup>↕</sup>	QP <sup>↕</sup>
4 <sup>↕</sup>	516.9400 <sup>↕</sup>	38.75 <sup>↕</sup>	-5.15 <sup>↕</sup>	33.60 <sup>↕</sup>	45.50 <sup>↕</sup>	-11.90 <sup>↕</sup>	QP <sup>↕</sup>
5 <sup>↕</sup>	555.7400 <sup>↕</sup>	36.20 <sup>↕</sup>	-3.32 <sup>↕</sup>	32.88 <sup>↕</sup>	45.50 <sup>↕</sup>	-12.62 <sup>↕</sup>	QP <sup>↕</sup>
6 <sup>↕</sup>	650.7998 <sup>↕</sup>	31.78 <sup>↕</sup>	-1.03 <sup>↕</sup>	30.75 <sup>↕</sup>	45.50 <sup>↕</sup>	-14.75 <sup>↕</sup>	QP <sup>↕</sup>

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH39  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	124.0900	33.23	-12.94	20.29	43.00	-22.71	QP
2	224.0000	41.11	-13.29	27.82	45.50	-17.68	QP
3	414.1200	40.81	-6.53	34.28	45.50	-11.22	QP
4	480.0799	32.20	0.63	32.83	45.50	-12.67	QP
5	680.8700	36.04	0.12	36.16	45.50	-9.34	QP
6	796.2998	33.06	4.58	37.64	45.50	-7.86	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH39  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	39.7000	43.43	-14.54	28.89	39.50	-10.61	QP
2	404.4200	48.09	-7.45	40.64	45.50	-4.86	QP
3	538.2799	38.47	-4.99	33.48	45.50	-12.02	QP
4	567.3799	35.52	-2.30	33.22	45.50	-12.28	QP
5	667.2899	29.96	0.75	30.71	45.50	-14.79	QP
6	803.0900	29.55	4.26	33.81	45.50	-11.69	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH78  
**Antenna/Distance** : 3m/V

No. <sup>↕</sup>	Frequency <sup>↕</sup>	Reading <sup>↕</sup>	Correct <sup>↕</sup>	Result <sup>↕</sup>	Limit <sup>↕</sup>	Margin <sup>↕</sup>	Remark <sup>↕</sup>
↕	(MHz) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	Factor(dB/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dB) <sup>↕</sup>	↕
1 <sup>↕</sup>	695.4199 <sup>↕</sup>	30.17 <sup>↕</sup>	0.33 <sup>↕</sup>	30.50 <sup>↕</sup>	45.50 <sup>↕</sup>	-15.00 <sup>↕</sup>	QP <sup>↕</sup>
2 <sup>↕</sup>	819.5800 <sup>↕</sup>	30.09 <sup>↕</sup>	0.67 <sup>↕</sup>	30.76 <sup>↕</sup>	45.50 <sup>↕</sup>	-14.74 <sup>↕</sup>	QP <sup>↕</sup>
3 <sup>↕</sup>	408.3000 <sup>↕</sup>	47.13 <sup>↕</sup>	-6.44 <sup>↕</sup>	40.69 <sup>↕</sup>	45.50 <sup>↕</sup>	-4.81 <sup>↕</sup>	QP <sup>↕</sup>
4 <sup>↕</sup>	39.7000 <sup>↕</sup>	43.60 <sup>↕</sup>	-14.82 <sup>↕</sup>	28.78 <sup>↕</sup>	39.50 <sup>↕</sup>	-10.72 <sup>↕</sup>	QP <sup>↕</sup>
5 <sup>↕</sup>	85.2900 <sup>↕</sup>	36.77 <sup>↕</sup>	-14.51 <sup>↕</sup>	22.26 <sup>↕</sup>	39.50 <sup>↕</sup>	-17.24 <sup>↕</sup>	QP <sup>↕</sup>

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH78  
**Antenna/Distance** : 3m/H

No. <sup>↕</sup>	Frequency <sup>↕</sup>	Reading <sup>↕</sup>	Correct <sup>↕</sup>	Result <sup>↕</sup>	Limit <sup>↕</sup>	Margin <sup>↕</sup>	Remark <sup>↕</sup>
↕	(MHz) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	Factor(dB/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dBuV/m) <sup>↕</sup>	(dB) <sup>↕</sup>	↕
1 <sup>↕</sup>	789.5099 <sup>↕</sup>	29.56 <sup>↕</sup>	4.47 <sup>↕</sup>	34.03 <sup>↕</sup>	45.50 <sup>↕</sup>	-11.47 <sup>↕</sup>	QP <sup>↕</sup>
2 <sup>↕</sup>	670.2000 <sup>↕</sup>	30.31 <sup>↕</sup>	0.73 <sup>↕</sup>	31.04 <sup>↕</sup>	45.50 <sup>↕</sup>	-14.46 <sup>↕</sup>	QP <sup>↕</sup>
3 <sup>↕</sup>	529.5499 <sup>↕</sup>	39.48 <sup>↕</sup>	-4.87 <sup>↕</sup>	34.61 <sup>↕</sup>	45.50 <sup>↕</sup>	-10.89 <sup>↕</sup>	QP <sup>↕</sup>
4 <sup>↕</sup>	412.1800 <sup>↕</sup>	47.15 <sup>↕</sup>	-6.75 <sup>↕</sup>	40.40 <sup>↕</sup>	45.50 <sup>↕</sup>	-5.10 <sup>↕</sup>	QP <sup>↕</sup>
5 <sup>↕</sup>	39.7000 <sup>↕</sup>	43.16 <sup>↕</sup>	-14.54 <sup>↕</sup>	28.62 <sup>↕</sup>	39.50 <sup>↕</sup>	-10.88 <sup>↕</sup>	QP <sup>↕</sup>
6 <sup>↕</sup>	80.4399 <sup>↕</sup>	33.71 <sup>↕</sup>	-15.85 <sup>↕</sup>	17.86 <sup>↕</sup>	39.50 <sup>↕</sup>	-21.64 <sup>↕</sup>	QP <sup>↕</sup>

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

## Radiated Emission Test Result (Above 1GHz)

**Test Mode:**GFSK

<b>Test Site</b>	: 3m Chamber	<b>Tested By</b>	: Mike Yang
<b>Test Date</b>	: 2013-5-23	<b>Model Number</b>	: PL-6360A
<b>EUT</b>	: PS3 AG2 BT Headset	<b>Test Mode</b>	: GFSK Tx mode CH0
<b>Power Supply</b>	: DC 3.7V	<b>Antenna/Distance</b>	: 3m/V
<b>Condition</b>	: Temp:24.5°C,Humi:55%		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2402.000	88.71	0.18	88.89	74.00	14.89	peak
2	4804.500	56.02	6.83	62.85	74.00	-11.15	peak
3	4804.500	42.09	6.83	48.92	54.00	-5.08	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

<b>Test Site</b>	: 3m Chamber	<b>Tested By</b>	: Mike Yang
<b>Test Date</b>	: 2013-5-23	<b>Model Number</b>	: PL-6360A
<b>EUT</b>	: PS3 AG2 BT Headset	<b>Test Mode</b>	: GFSK Tx mode CH0
<b>Power Supply</b>	: DC 3.7V	<b>Antenna/Distance</b>	: 3m/H
<b>Condition</b>	: Temp:24.5°C,Humi:55%		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2402.000	93.36	0.18	93.54	74.00	19.54	peak
2	4804.500	58.82	6.83	65.65	74.00	-8.35	peak
3	4804.500	41.92	6.83	48.75	54.00	-5.25	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH39  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2441.000	86.31	0.24	86.55	74.00	12.55	peak
2	4881.000	58.24	6.97	65.21	74.00	-8.79	peak
3	4881.000	43.85	6.97	50.82	54.00	-3.18	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH39  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2441.000	93.62	0.24	93.86	74.00	19.86	peak
2	4882.000	60.96	6.97	67.93	74.00	-6.07	peak
3	4882.000	42.89	6.97	49.86	54.00	-4.14	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH78  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.500	87.68	0.33	88.01	74.00	14.01	peak
2	4960.000	55.56	7.08	62.64	74.00	-11.36	peak
3	4960.000	41.55	7.08	48.63	54.00	-5.37	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : GFSK Tx mode CH78  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	58.70	7.08	65.78	74.00	-8.22	peak
2	4960.000	44.60	7.08	51.68	54.00	-2.32	AVG
3	2480.500	91.47	0.33	91.80	74.00	17.80	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit



**Test mode:8DPSK**

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5'C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH0  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4797.500	57.92	6.83	64.75	74.00	-9.25	peak
2	2400.000	90.50	0.18	90.68	74.00	16.68	peak
3	4797.500	39.88	6.83	46.71	54.00	-7.29	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5'C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH0  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4797.500	57.92	6.83	64.75	74.00	-9.25	peak
2	4797.500	42.70	6.83	49.53	54.00	-4.47	AVG
3	2400.000	103.40	0.18	103.58	74.00	29.58	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23 **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V **Test Mode** : 8DPSK Tx mode CH39  
**Condition** : Temp:24.5°C,Humi:55% **Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4797.500	61.04	6.83	67.87	74.00	-6.13	peak
2	4797.500	44.12	6.83	50.95	54.00	-3.05	AVG
3	2400.000	90.85	0.18	91.03	74.00	17.03	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23 **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V **Test Mode** : 8DPSK Tx mode CH39  
**Condition** : Temp:24.5°C,Humi:55% **Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2435.000	89.70	0.24	89.94	74.00	15.94	peak
2	4885.000	51.52	6.97	58.49	74.00	-15.51	peak
3	4885.000	40.28	6.97	47.25	54.00	-6.75	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH78  
**Antenna/Distance** : 3m/V

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2435.000	89.28	0.24	89.52	74.00	15.52	peak
2	4885.000	56.19	6.97	63.16	74.00	-10.84	peak
3	4885.000	42.33	6.97	49.30	54.00	-4.70	AVG

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23  
**EUT** : PS3 AG2 BT Headset  
**Power Supply** : DC 3.7V  
**Condition** : Temp:24.5°C,Humi:55%  
**Tested By** : Mike Yang  
**Model Number** : PL-6360A  
**Test Mode** : 8DPSK Tx mode CH78  
**Antenna/Distance** : 3m/H

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4797.500	58.82	6.83	65.65	74.00	-8.35	peak
2	4797.500	43.23	6.83	50.06	54.00	-3.94	AVG
3	2400.000	103.36	0.18	103.54	74.00	29.54	peak

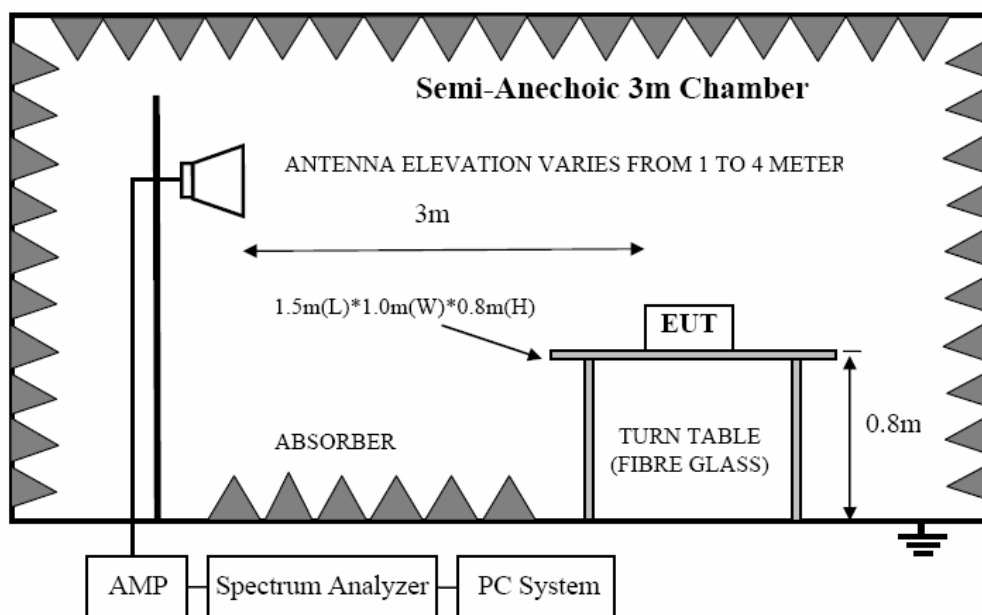
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

## 9. Band Edge Compliance

### 9.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESU8	100316	2012/11/26	1Y
2	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
3	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2012/12/28	1 Y
4	Double Ridged Horn Antenna	R&S	HF907	100276	2012/12/28	1 Y
5	Pre-Amplifier	R&S	SCU-01	10049	2012/12/28	1Y
6	Pre-amplifier	A.H.	PAM0-0118	360	2012/12/28	1Y
7	RF Cable	R&S	R01	10403	2012/12/28	1Y
8	RF Cable	R&S	R02	10512	2012/12/28	1Y

### 9.2 Block diagram of test setup



### 9.3 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 and 5725MHz to 5850MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

#### **9.4 Test Procedure**

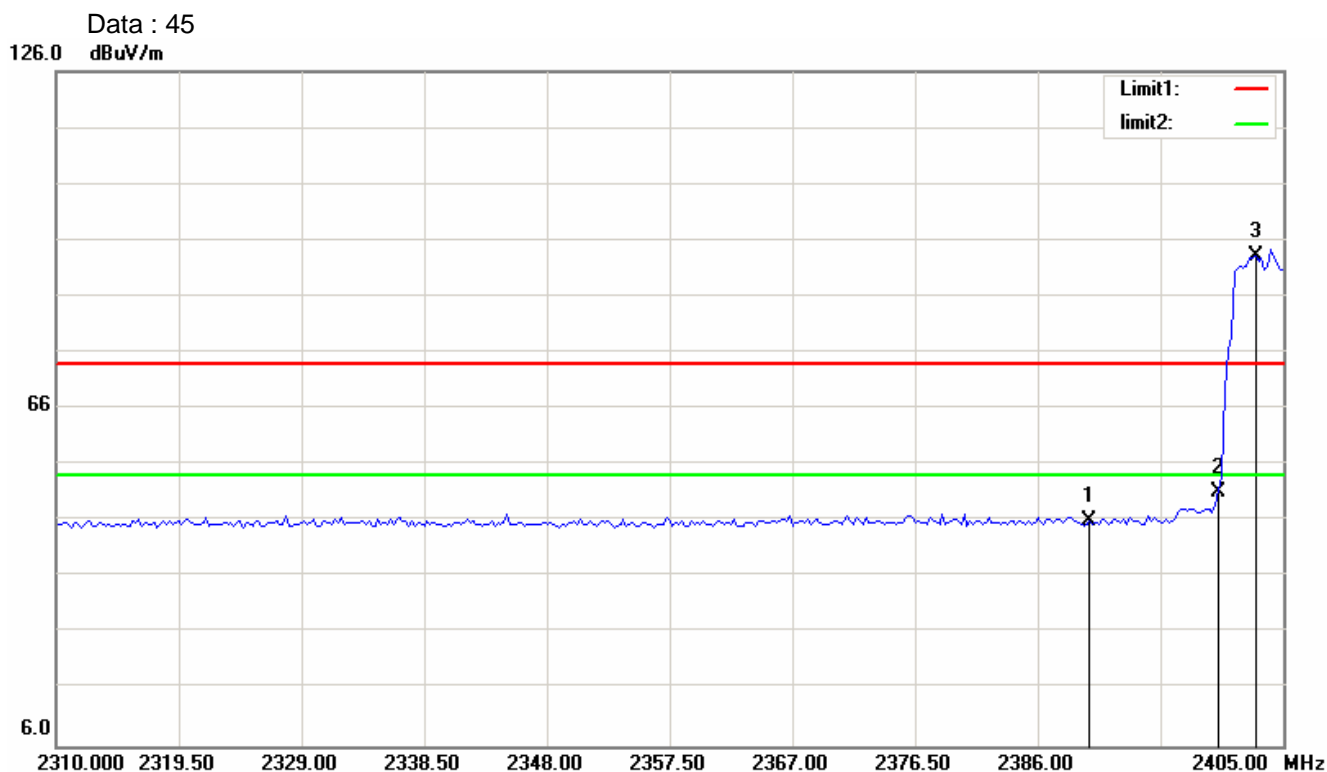
Same with clause 8.4 except change investigated frequency range from 2310MHz to 2415MHz and 2475MHz to 2500MHz.

#### **9.5 Test result**

**PASS. (See below detailed test result)**

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

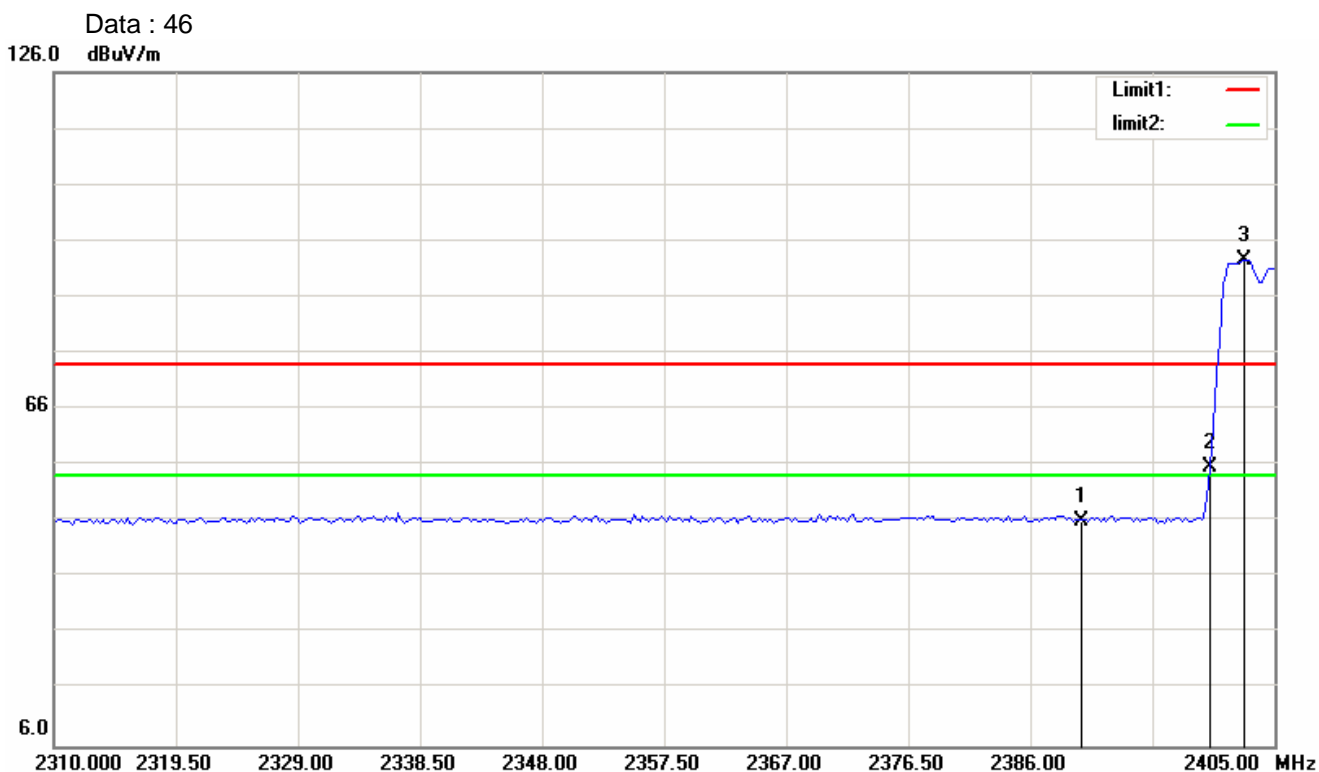


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	45.76	0.17	45.93	74.00	-28.07	peak
2	2400.000	50.85	0.18	51.03	74.00	-22.97	peak
3	2402.863	93.07	0.18	93.25	74.00	19.25	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V

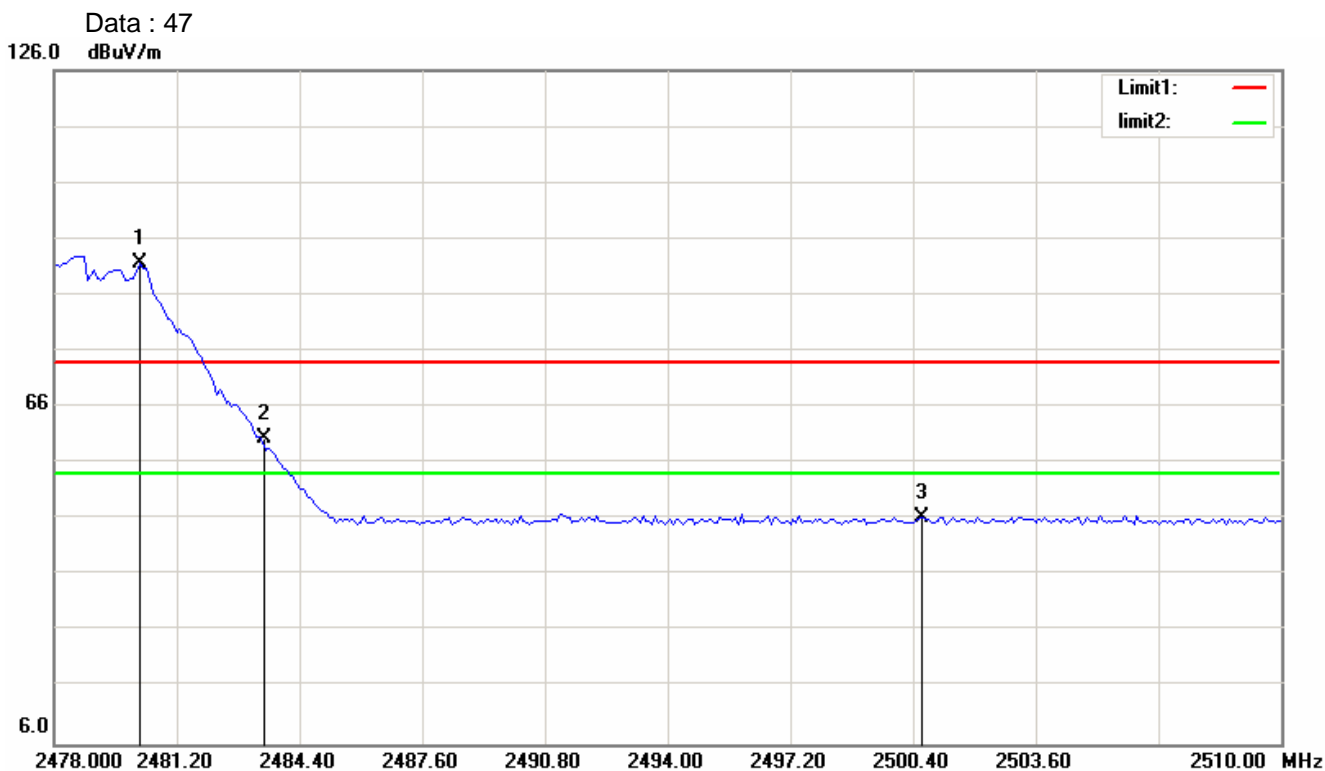


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	45.92	0.17	46.09	74.00	-27.91	peak
2	2400.000	55.45	0.18	55.63	74.00	-18.37	peak
3	2402.625	92.40	0.18	92.58	74.00	18.58	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK Hopping on  
**Condition** : Temp:24.5°C,Humi:55%      **Antenna** : V



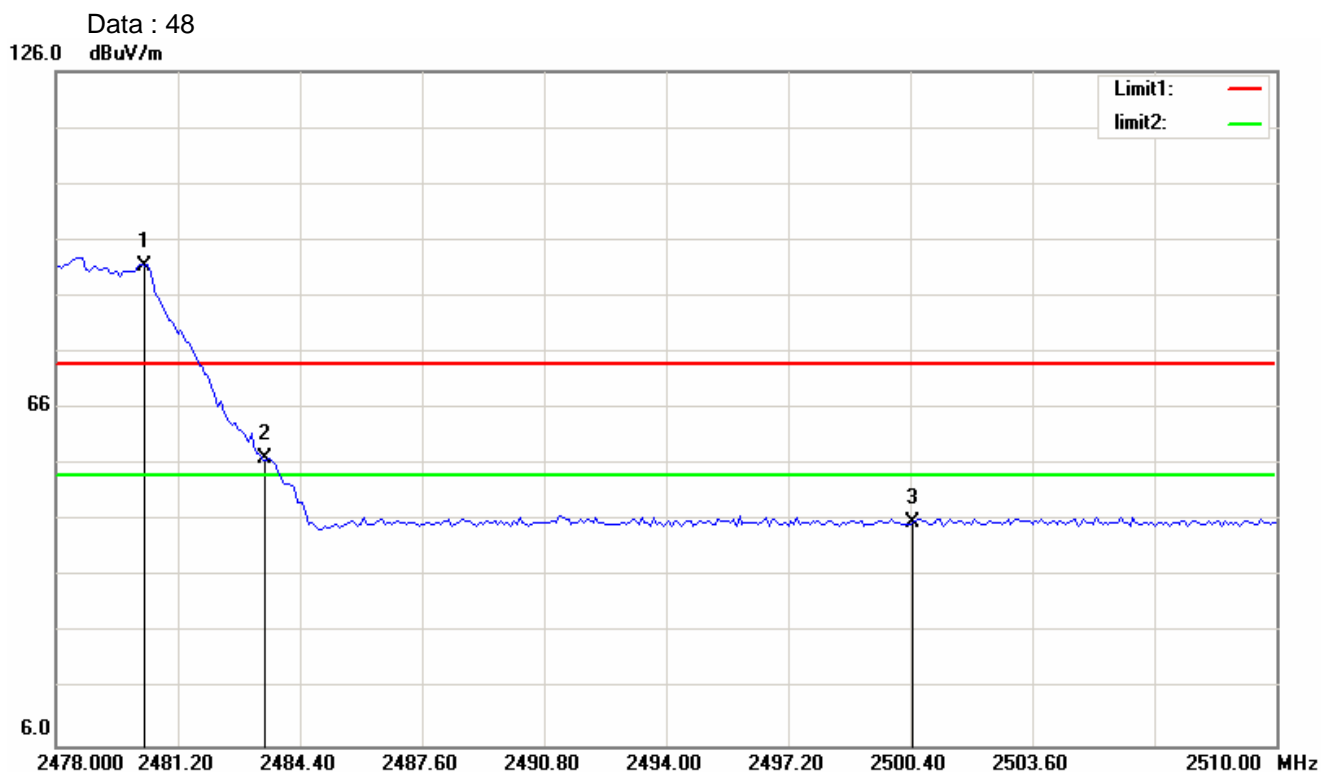
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.240	91.25	0.31	91.56	74.00	17.56	peak
2	2483.500	60.19	0.33	60.52	74.00	-13.48	peak
3	2500.640	46.06	0.35	46.41	74.00	-27.59	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit



# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

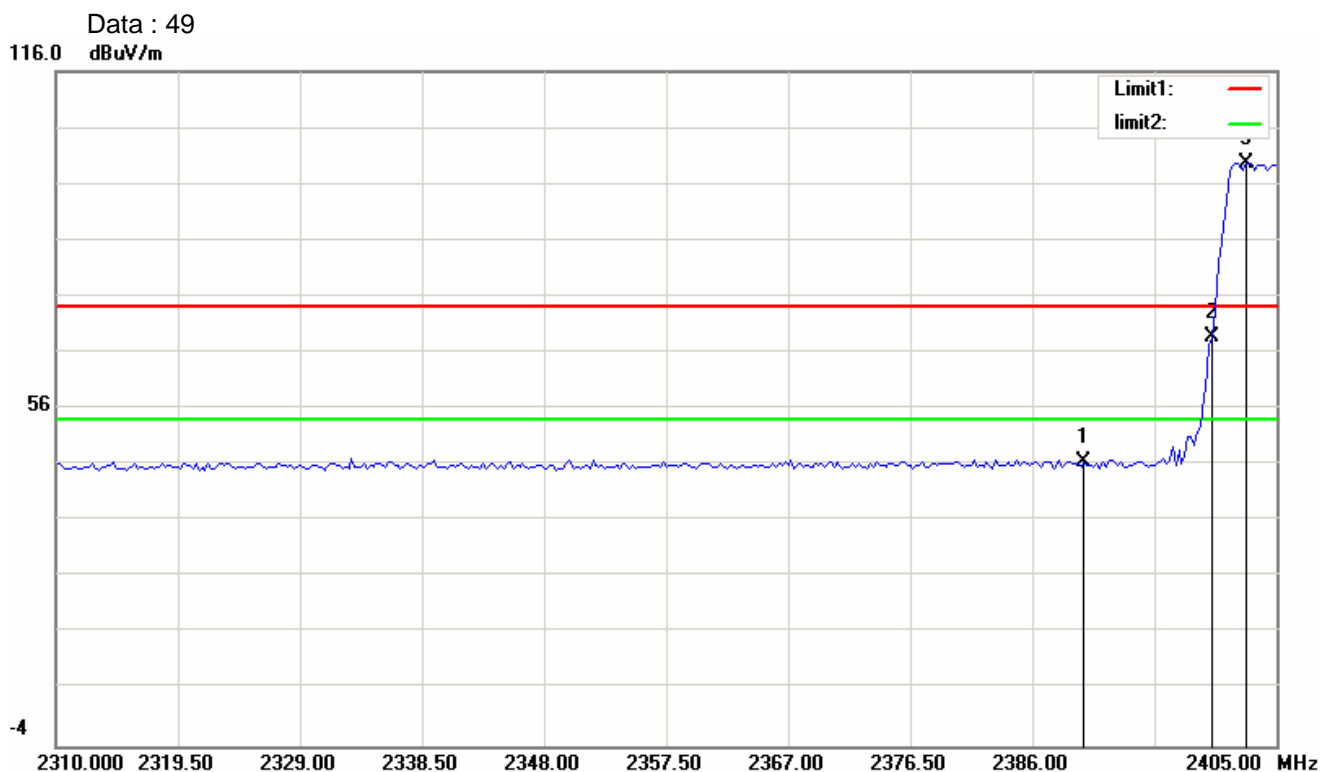


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.320	90.99	0.31	91.30	74.00	17.30	peak
2	2483.500	56.96	0.33	57.29	74.00	-16.71	peak
3	2500.480	45.27	0.35	45.62	74.00	-28.38	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

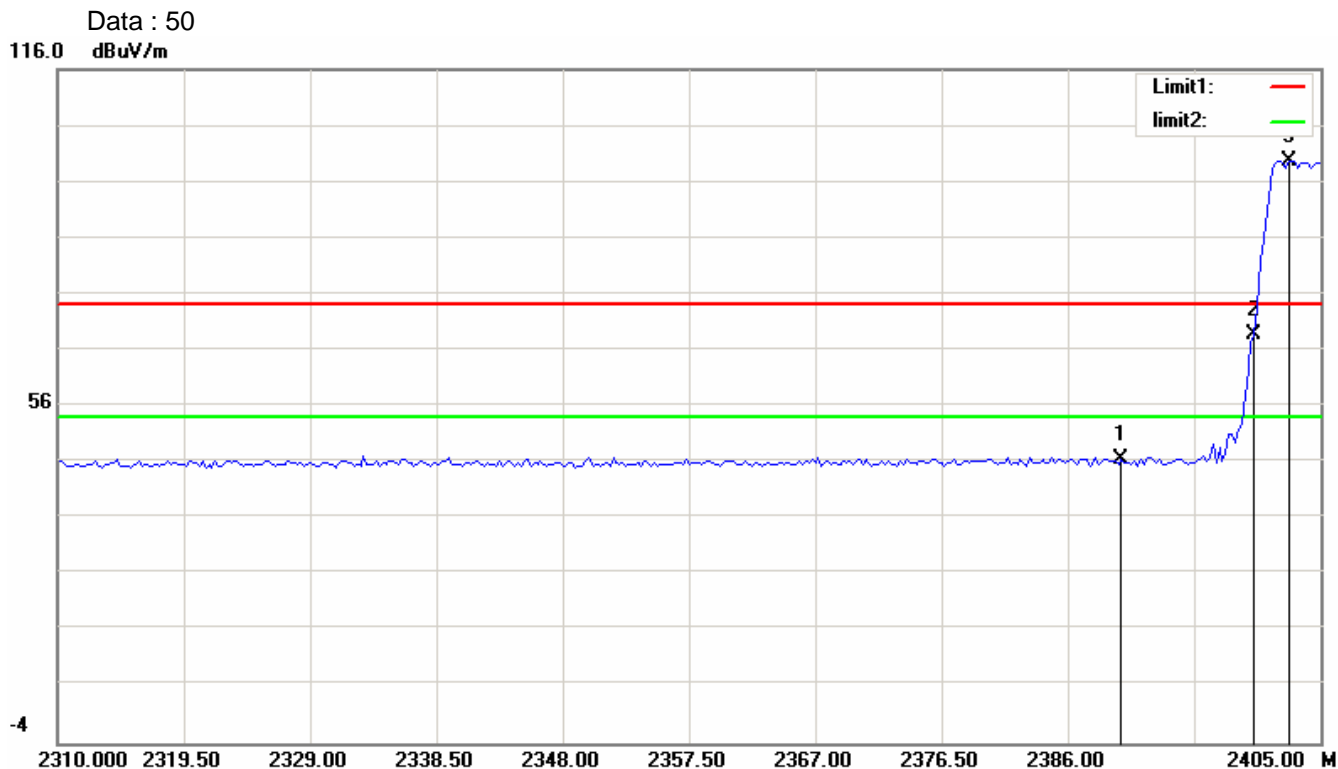


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	46.50	0.17	46.67	74.00	-27.33	peak
2	2400.000	68.49	0.18	68.67	74.00	-5.33	peak
3	2402.625	99.42	0.18	99.60	74.00	25.60	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	46.50	0.17	46.67	74.00	-27.33	peak
2	2400.000	68.49	0.18	68.67	74.00	-5.33	peak
3	2402.625	99.42	0.18	99.60	74.00	25.60	peak

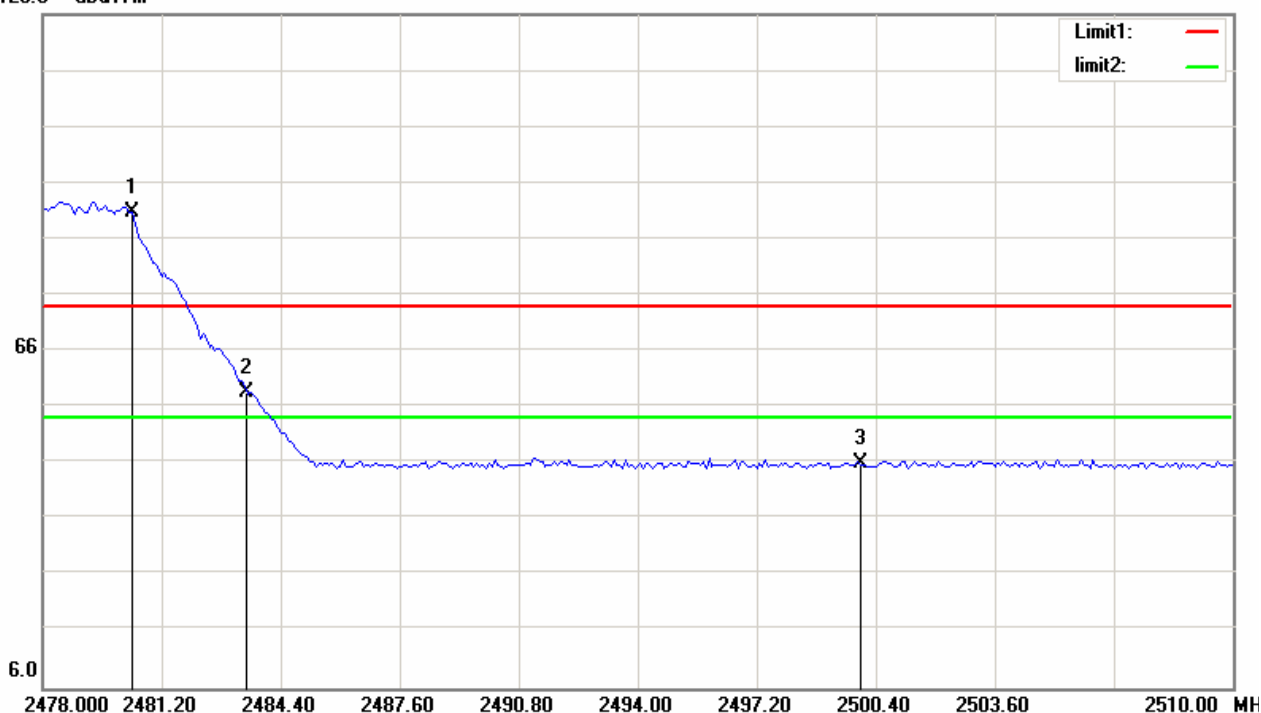
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23 **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V **Test Mode** : 8-DPSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55% **Antenna** : V

Data : 51

126.0 dBuV/m

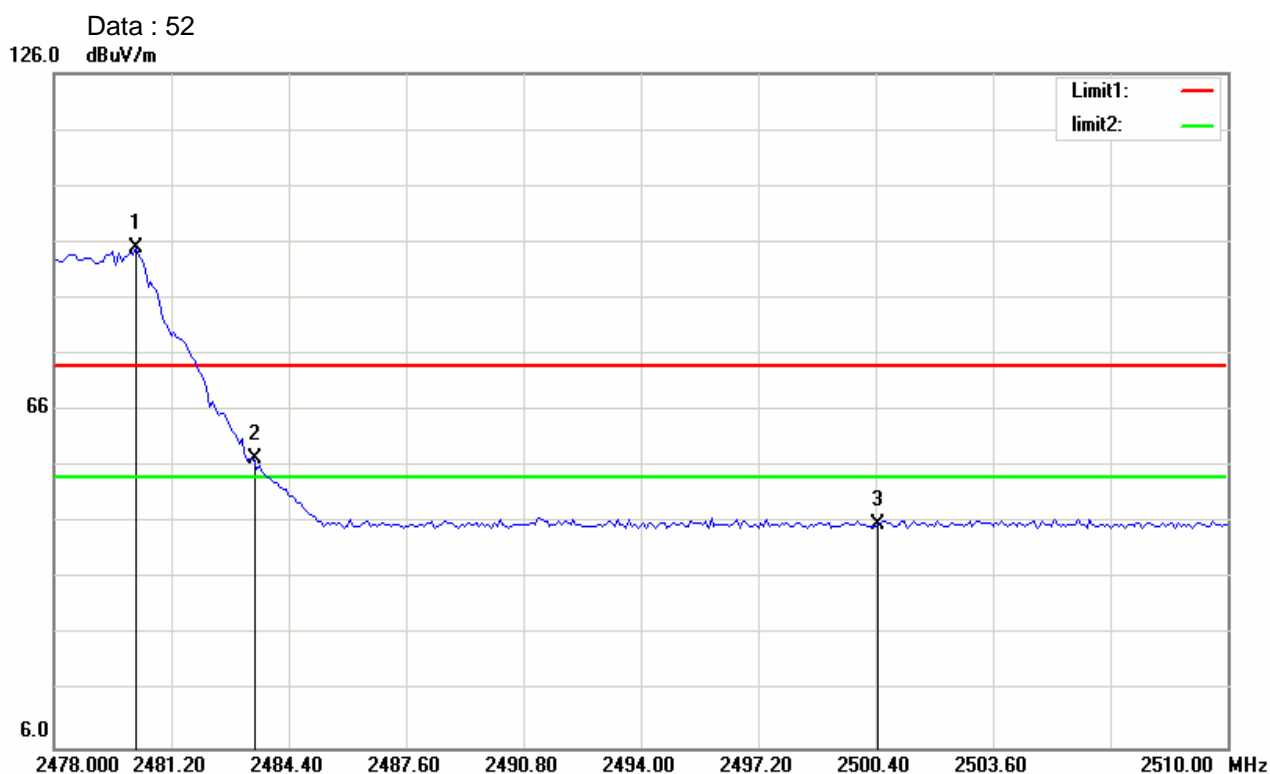


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.400	90.41	0.31	90.72	74.00	16.72	peak
2	2483.500	58.46	0.33	58.79	74.00	-15.21	peak
3	2500.000	45.81	0.35	46.16	74.00	-27.84	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK Hopping on  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

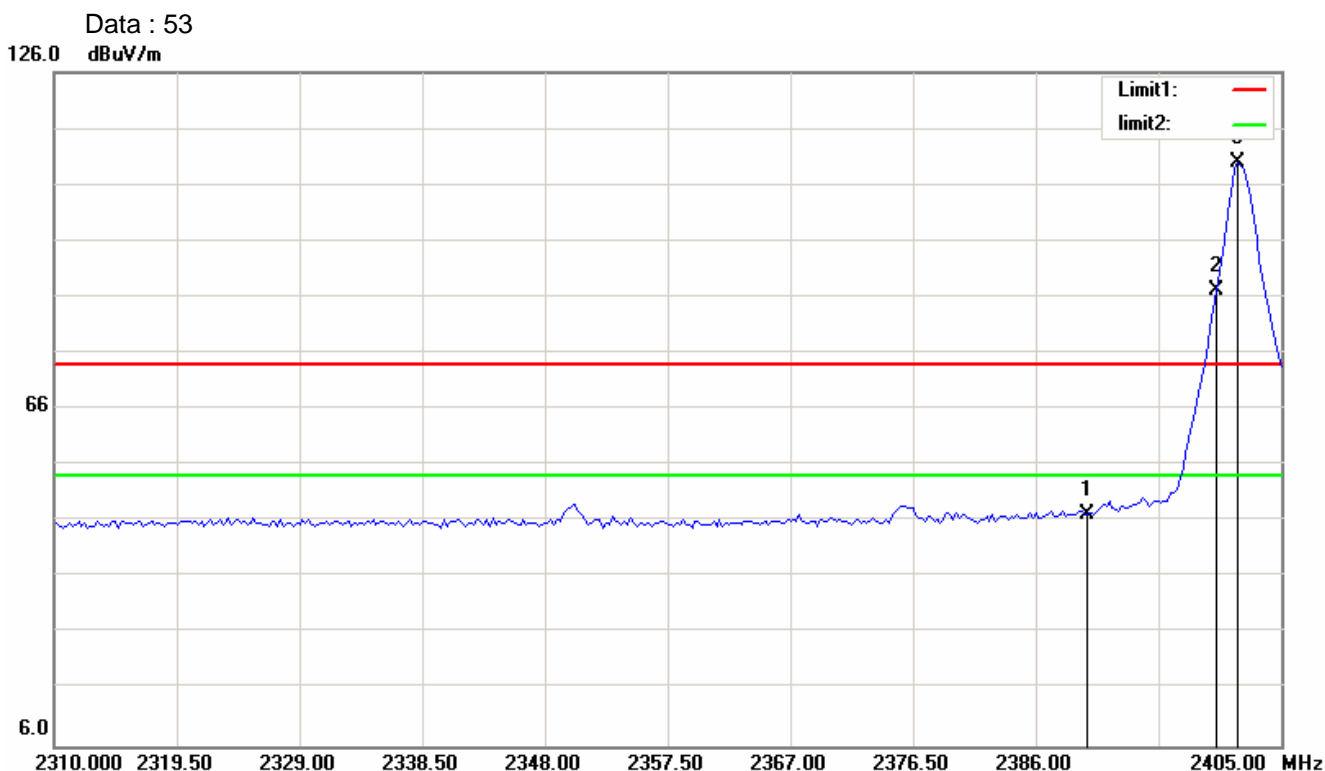


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.240	94.75	0.31	95.06	74.00	21.06	peak
2	2483.500	57.04	0.33	57.37	74.00	-16.63	peak
3	2500.480	45.27	0.35	45.62	74.00	-28.38	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK CH0 Tx Mode  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

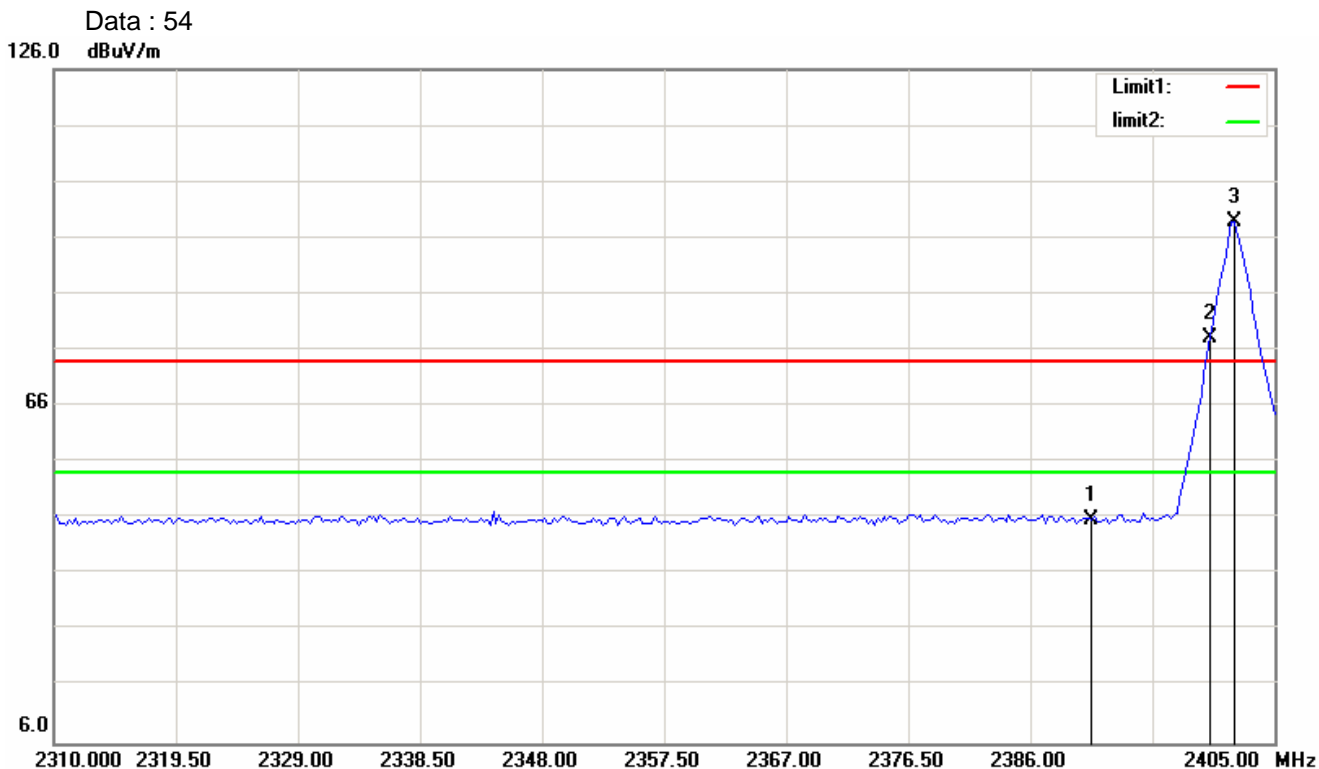


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	47.16	0.17	47.33	74.00	-26.67	peak
2	2400.000	86.92	0.18	87.10	74.00	13.10	peak
3	2401.675	109.78	0.18	109.96	74.00	35.96	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK CH0 Tx Mode  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V

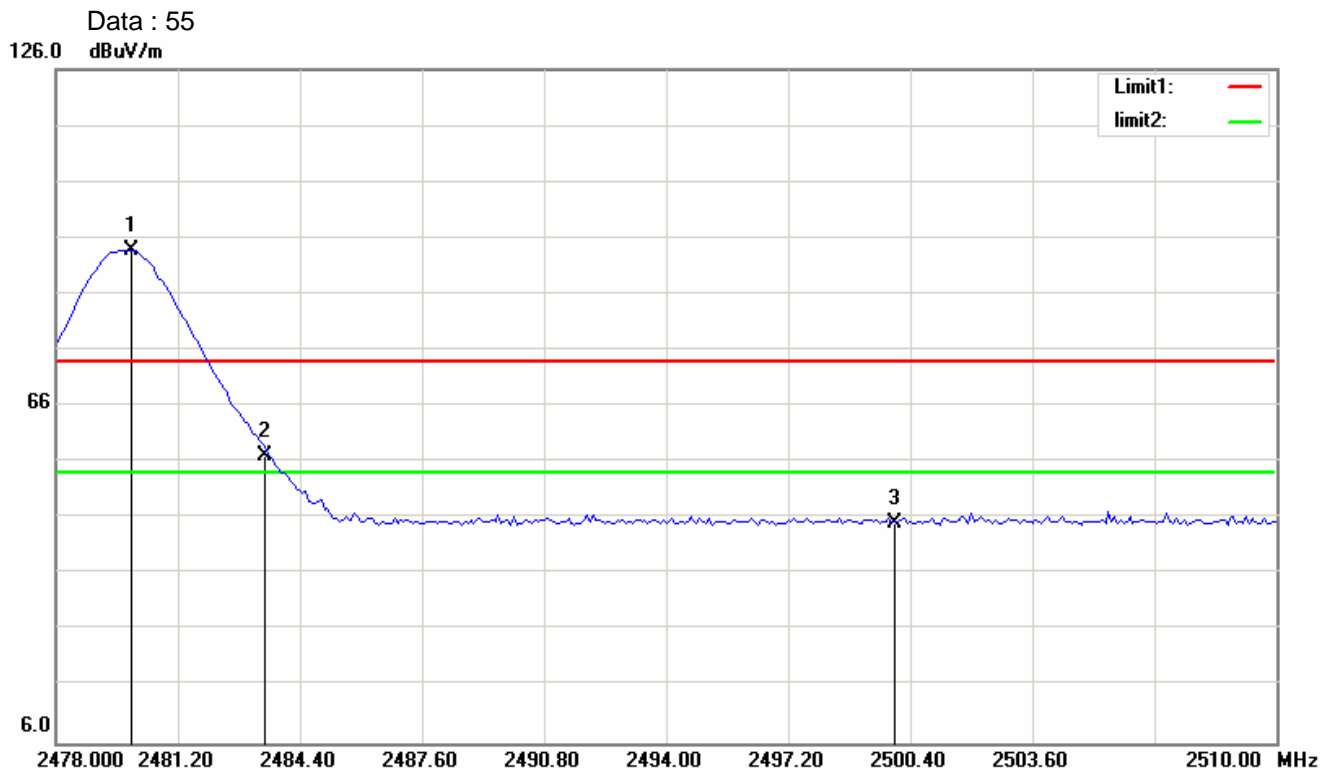


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.750	45.71	0.17	45.88	74.00	-28.12	peak
2	2400.000	78.02	0.18	78.20	74.00	4.20	peak
3	2401.912	98.77	0.18	98.95	74.00	24.95	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK CH78 Tx Mode  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V



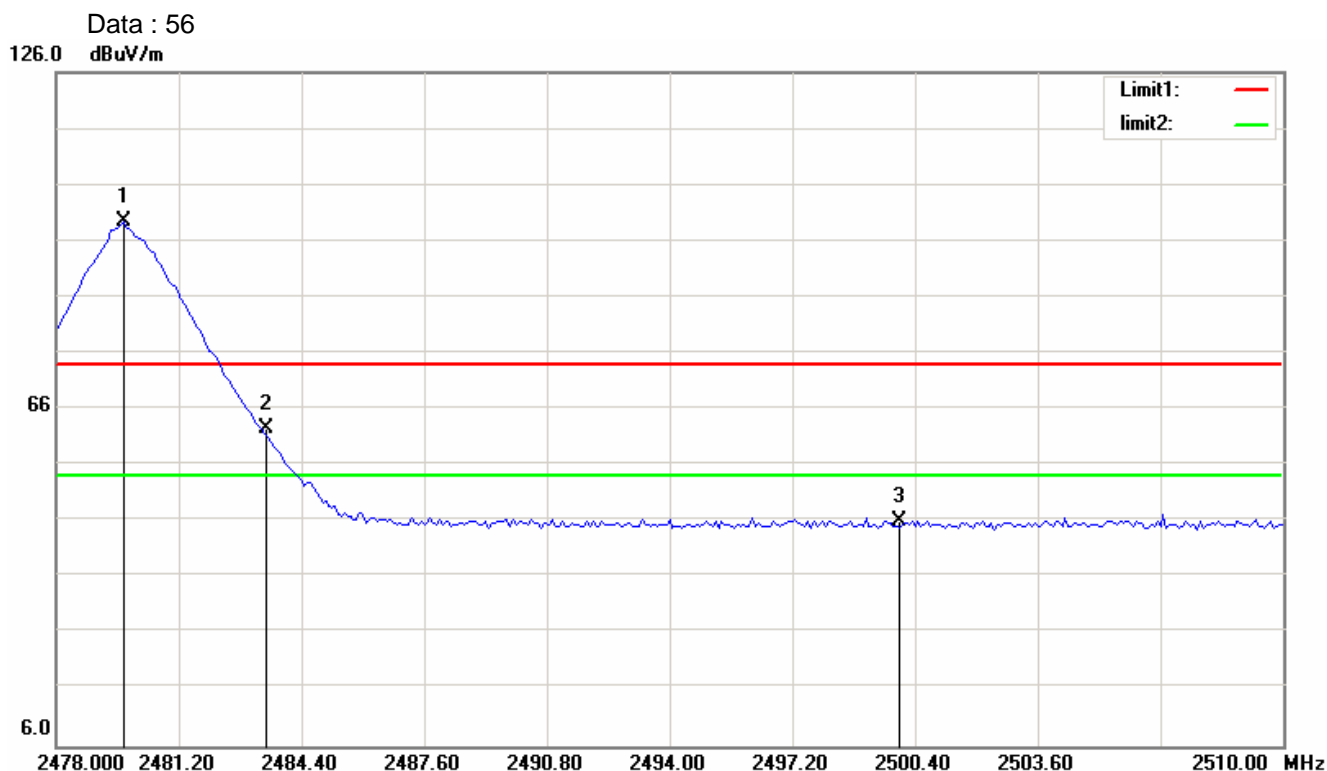
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.000	93.42	0.31	93.73	74.00	19.73	peak
2	2483.500	56.87	0.33	57.20	74.00	-16.80	peak
3	2500.000	44.95	0.35	45.30	74.00	-28.70	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit



# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : GFSK CH78 Tx Mode  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

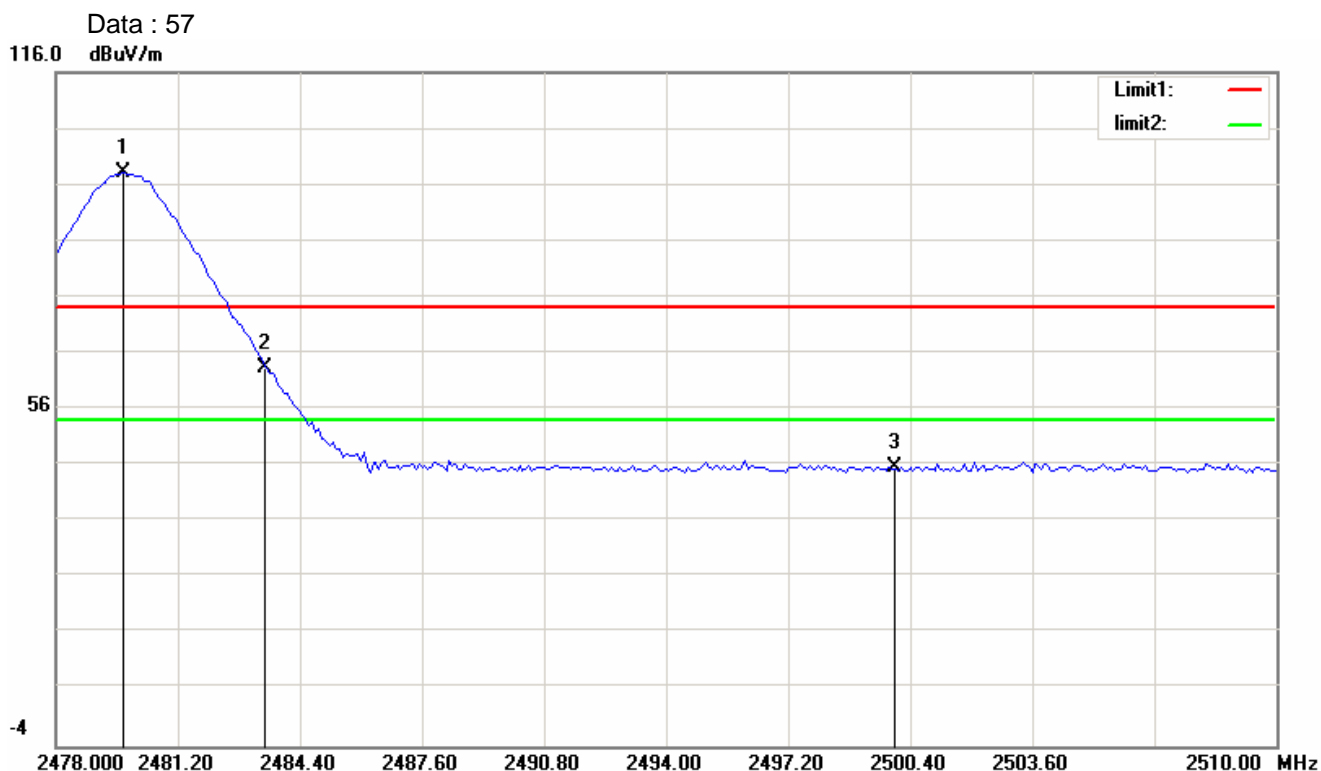


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.760	99.08	0.31	99.39	74.00	25.39	peak
2	2483.500	62.32	0.33	62.65	74.00	-11.35	peak
3	2500.000	45.57	0.35	45.92	74.00	-28.08	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK CH 78 Tx  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H

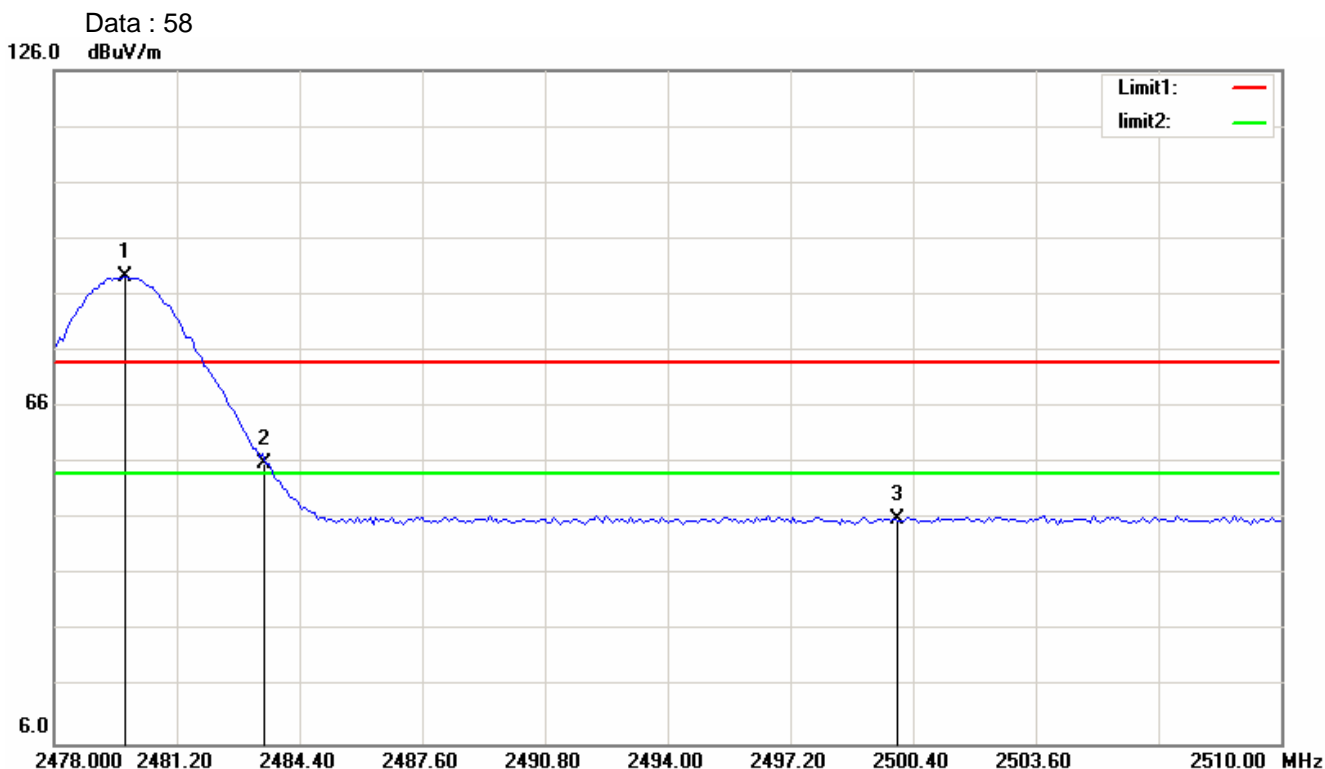


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.760	97.97	0.31	98.28	74.00	24.28	peak
2	2483.500	63.17	0.33	63.50	74.00	-10.50	peak
3	2500.000	45.44	0.35	45.79	74.00	-28.21	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK CH 78 Tx  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V

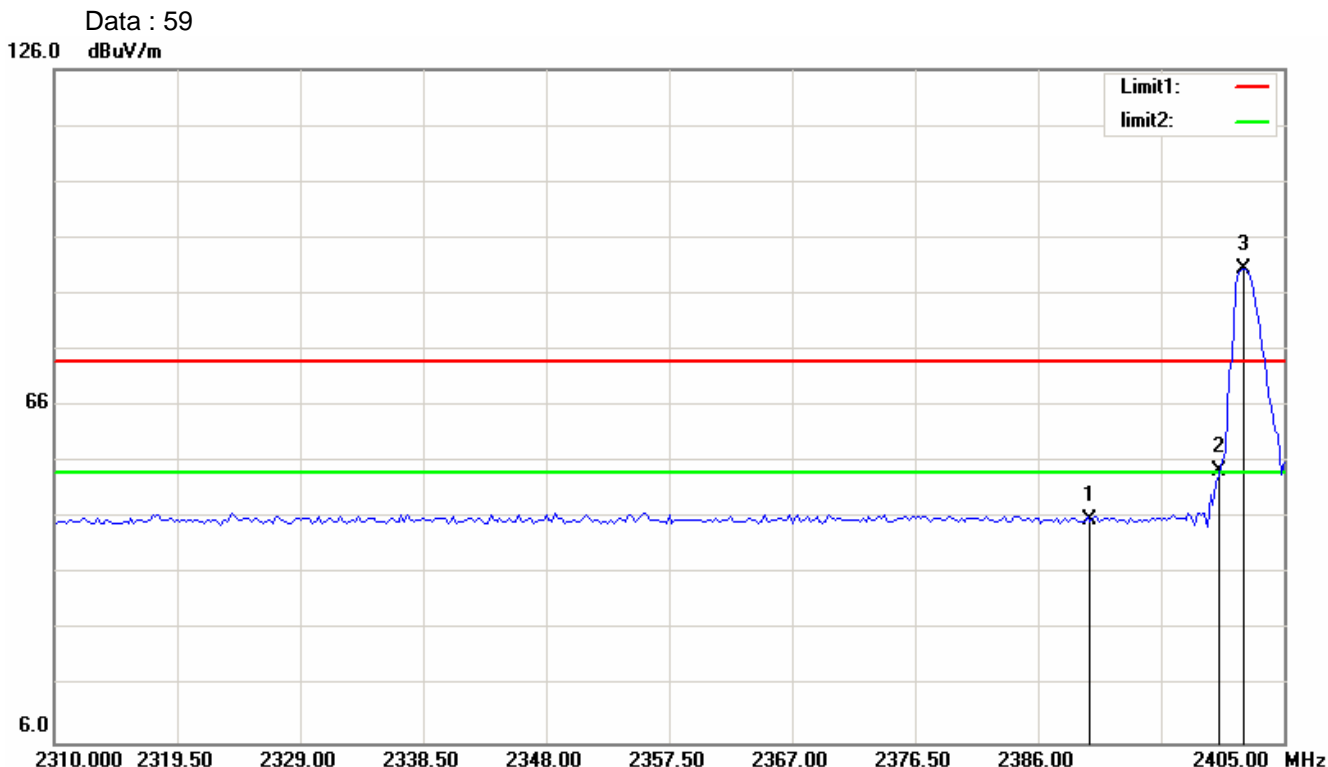


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.840	88.85	0.31	89.16	74.00	15.16	peak
2	2483.500	55.59	0.33	55.92	74.00	-18.08	peak
3	2500.000	45.64	0.35	45.99	74.00	-28.01	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK CH 0 Tx  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : V

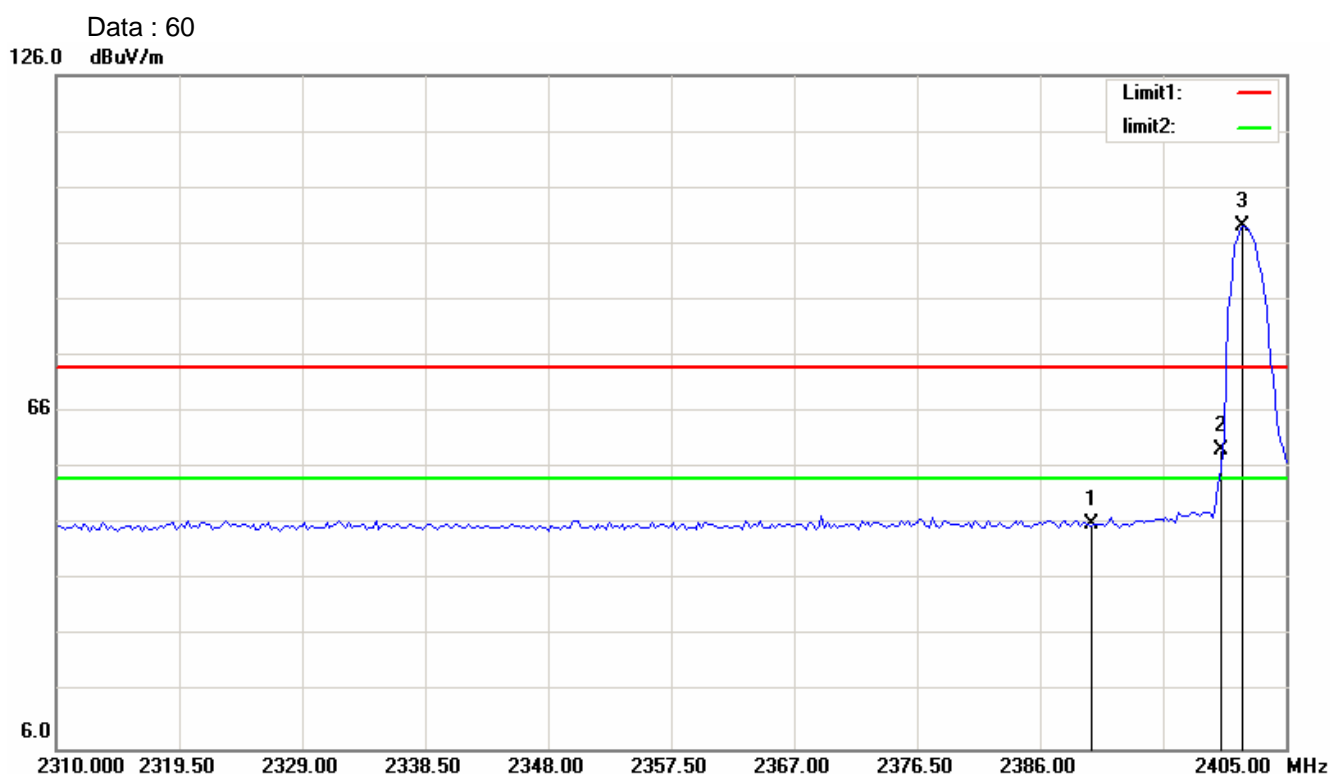


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	45.72	0.17	45.89	74.00	-28.11	peak
2	2400.000	54.18	0.18	54.36	74.00	-19.64	peak
3	2401.912	90.20	0.18	90.38	74.00	16.38	peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

# Radiated Emission Test Result

**Test Site** : 3m Chamber  
**Test Date** : 2013-5-23      **Tested By** : Mike Yang  
**EUT** : PS3 AG2 BT Headset      **Model Number** : PL-6360A  
**Power Supply** : DC 3.7V      **Test Mode** : 8-DPSK CH 0 Tx  
**Condition** : Temp:24.5'C,Humi:55%      **Antenna** : H



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	45.92	0.17	46.09	74.00	-27.91	peak
2	2400.000	59.10	0.18	59.28	74.00	-14.72	peak
3	2401.675	98.91	0.18	99.09	74.00	25.09	peak

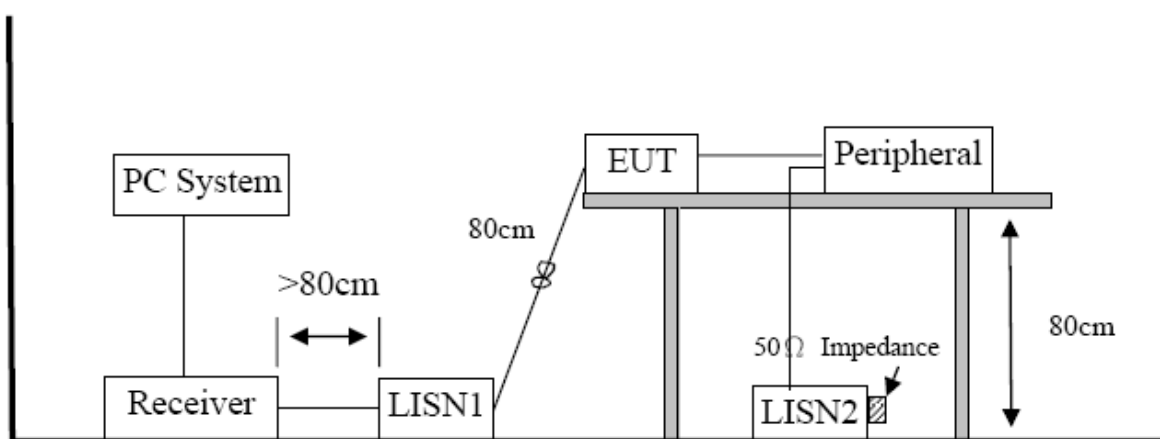
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor  
 2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

## 10. Power Line Conducted Emission

### 10.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESCI	101308	2012/11/26	1 Year
2	LISN 1	AFJ	LS16	16011103219	2012/12/28	1 Year
3	LISN 2	R&S	ESH2-Z5	100309	2012/12/28	1 Year
4	Pulse Limiter	MTS-systemtechnik	MTS-IMP-136	261115-010-0024	2012/12/28	1 Year

### 10.2 Block diagram of test setup



### 10.3 Power Line Conducted Emission Limits(Class B)

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

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

### 10.4 Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

## 10.5 Test Result

### NA. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means average detection; "----" mans peak detection

## 11.CONDUCTED SPURIOUS EMISSIONS

### 11.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	E4407B	US40240708	2012/07/31	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2012/12/28	1 Y
3	RF Cable	Micable	C10-01-01-1	100309	2012/12/28	1 Y

### 11.2. 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.

### 11.3. Test Procedure

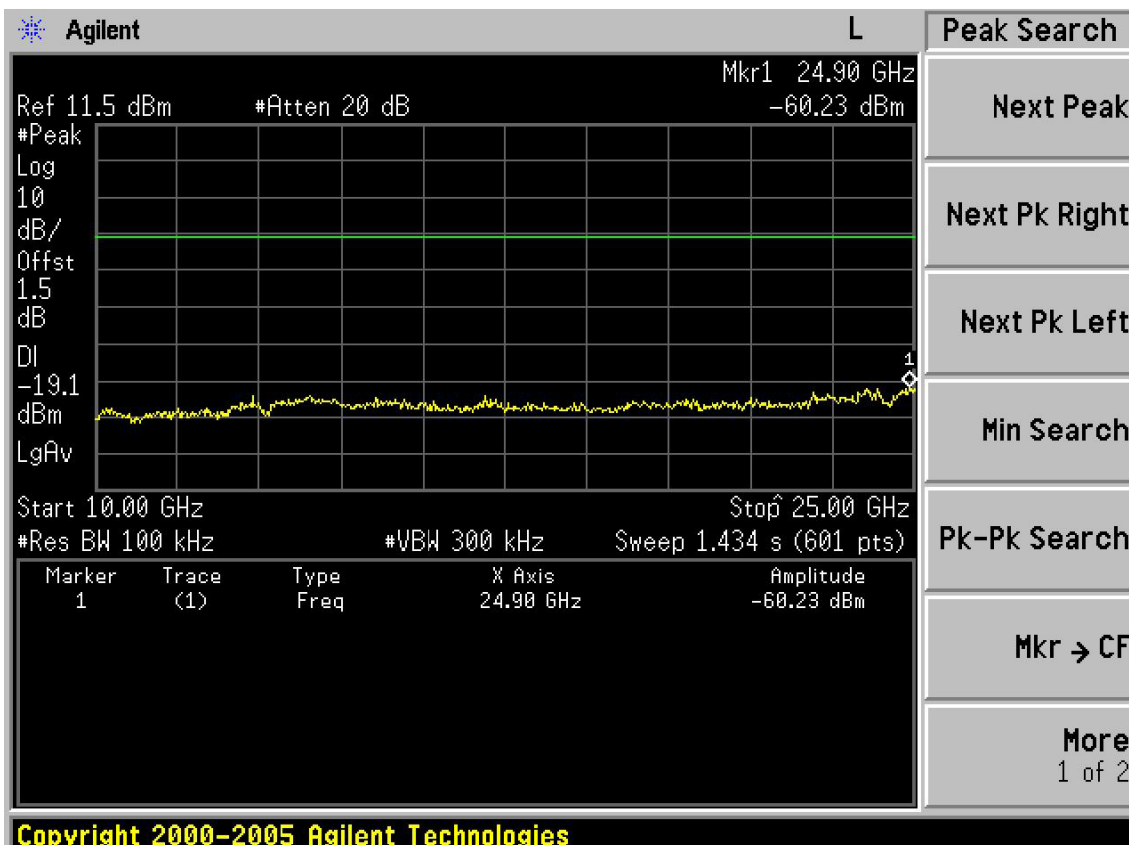
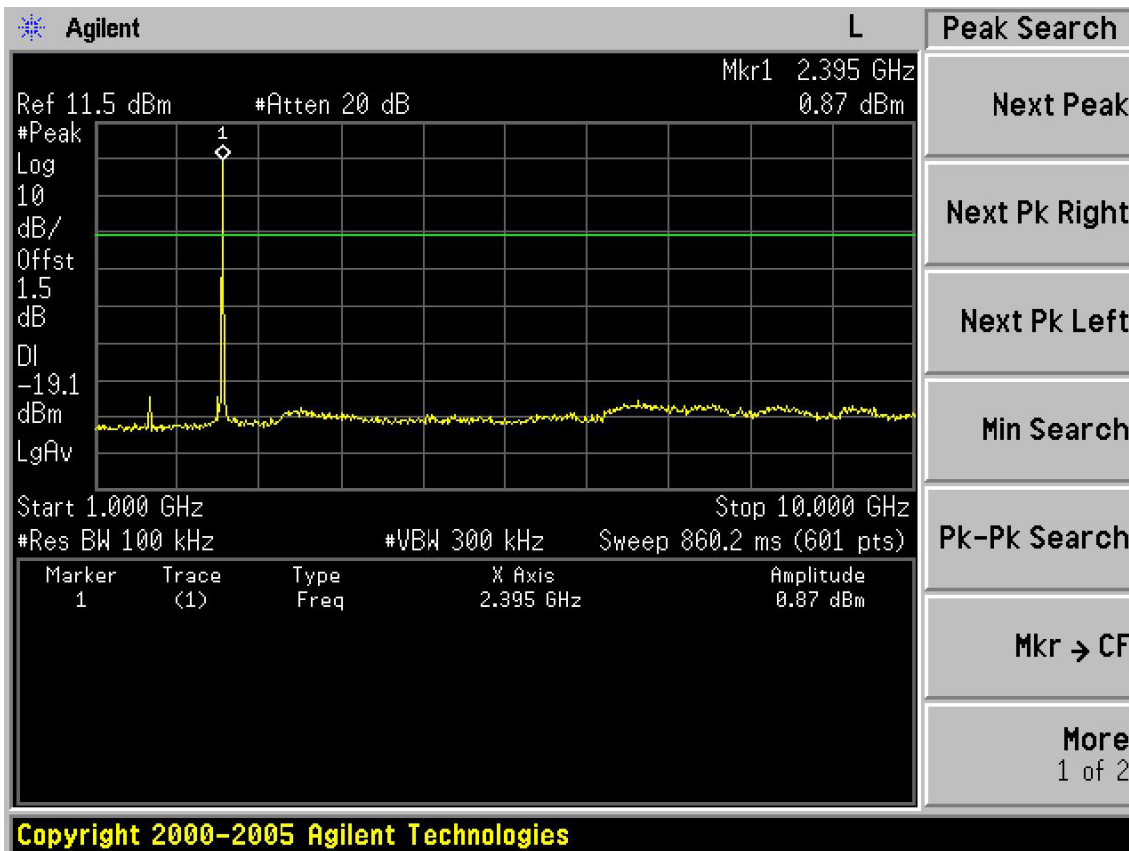
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

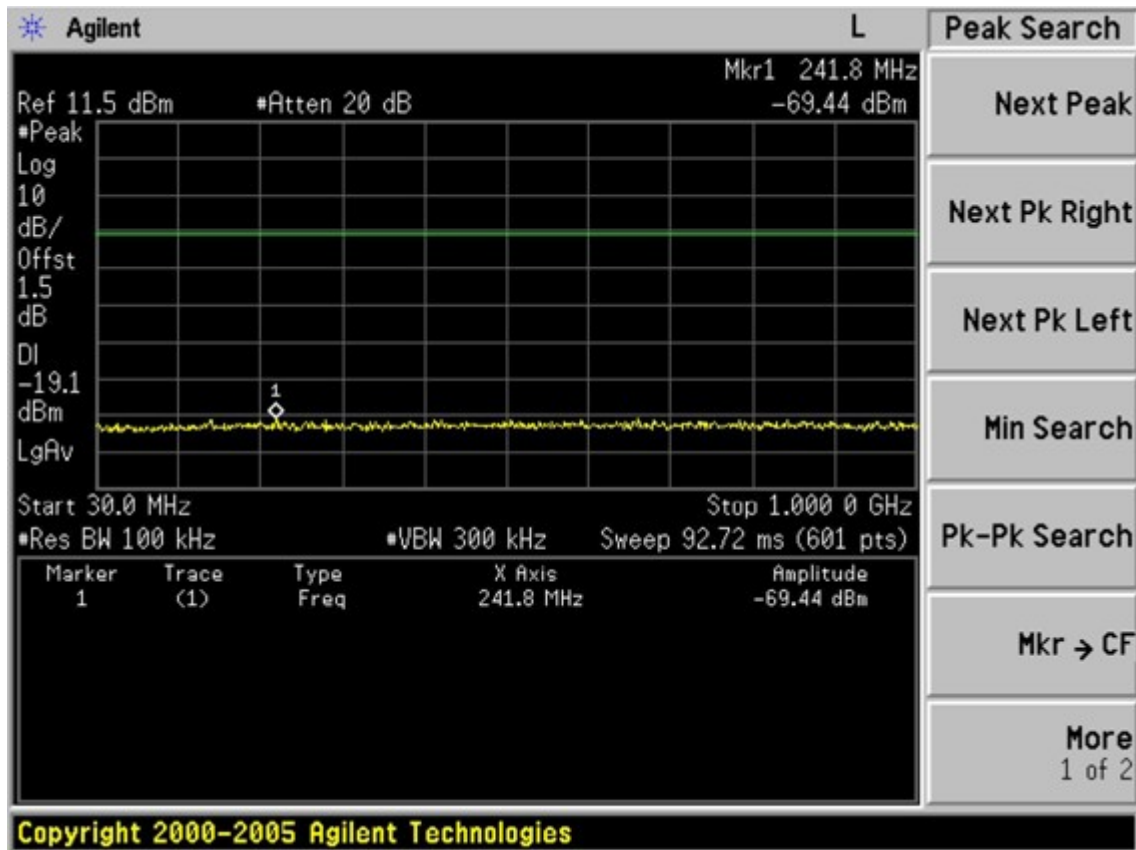
### 11.4. Test result

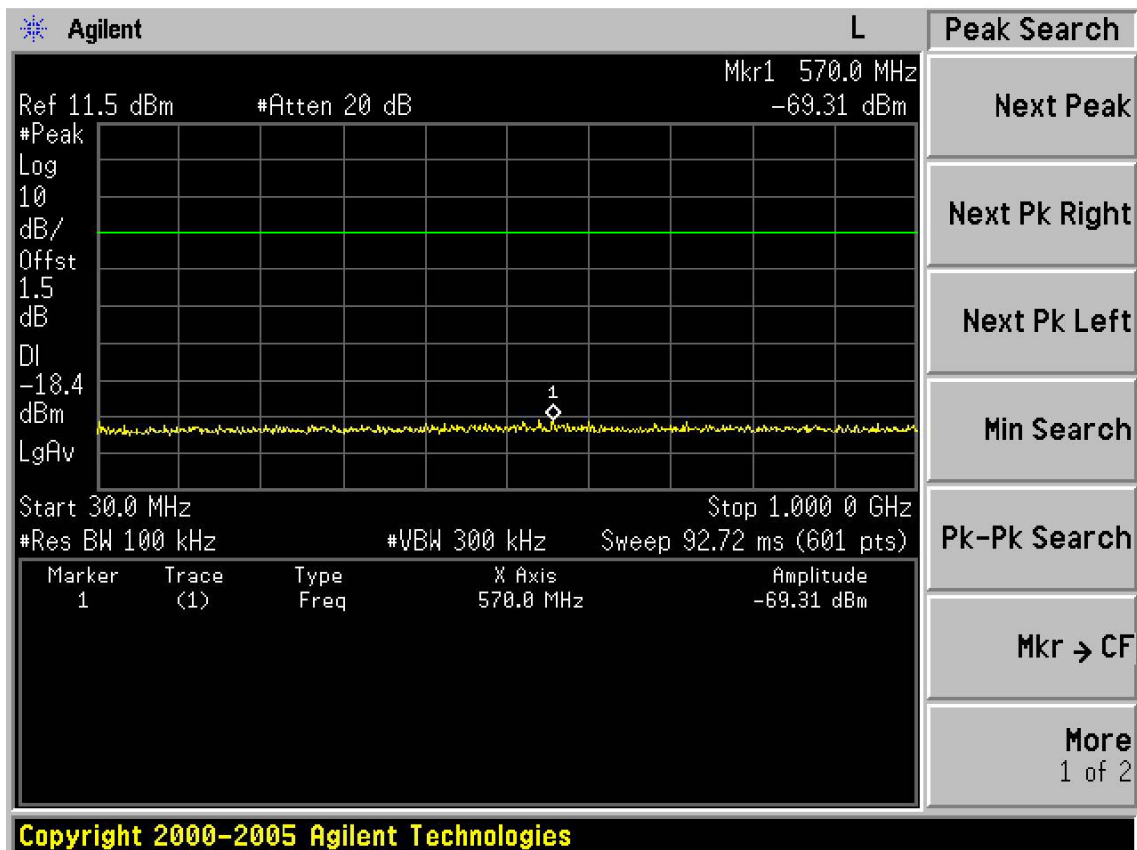
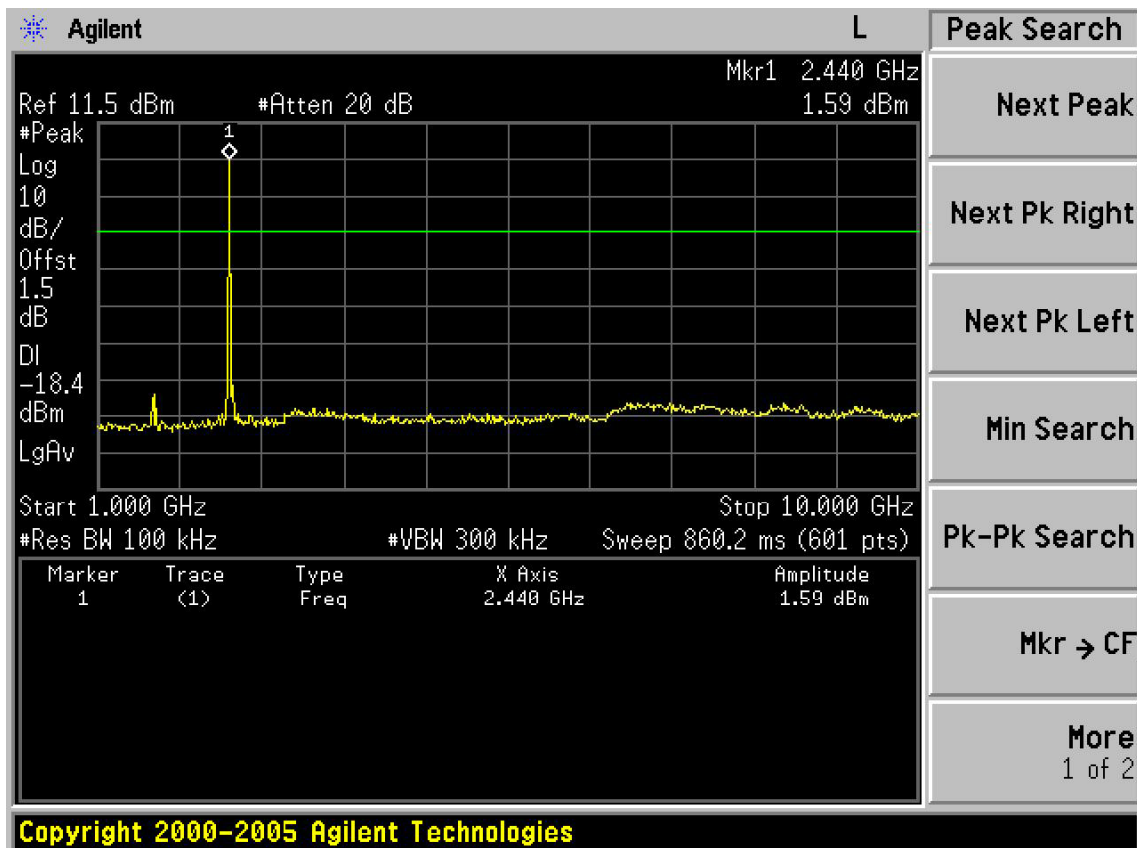
**PASS** (The testing data was attached in the next pages.)

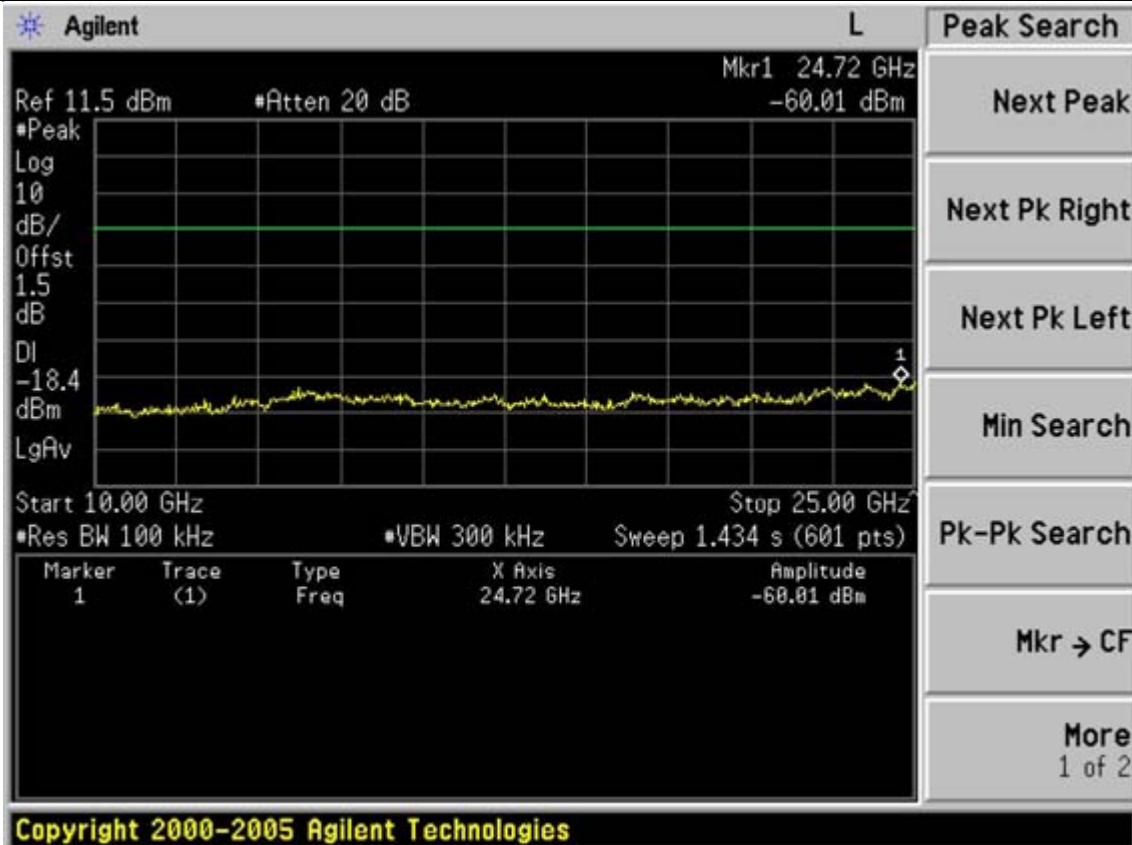


**GFSK**  
2402

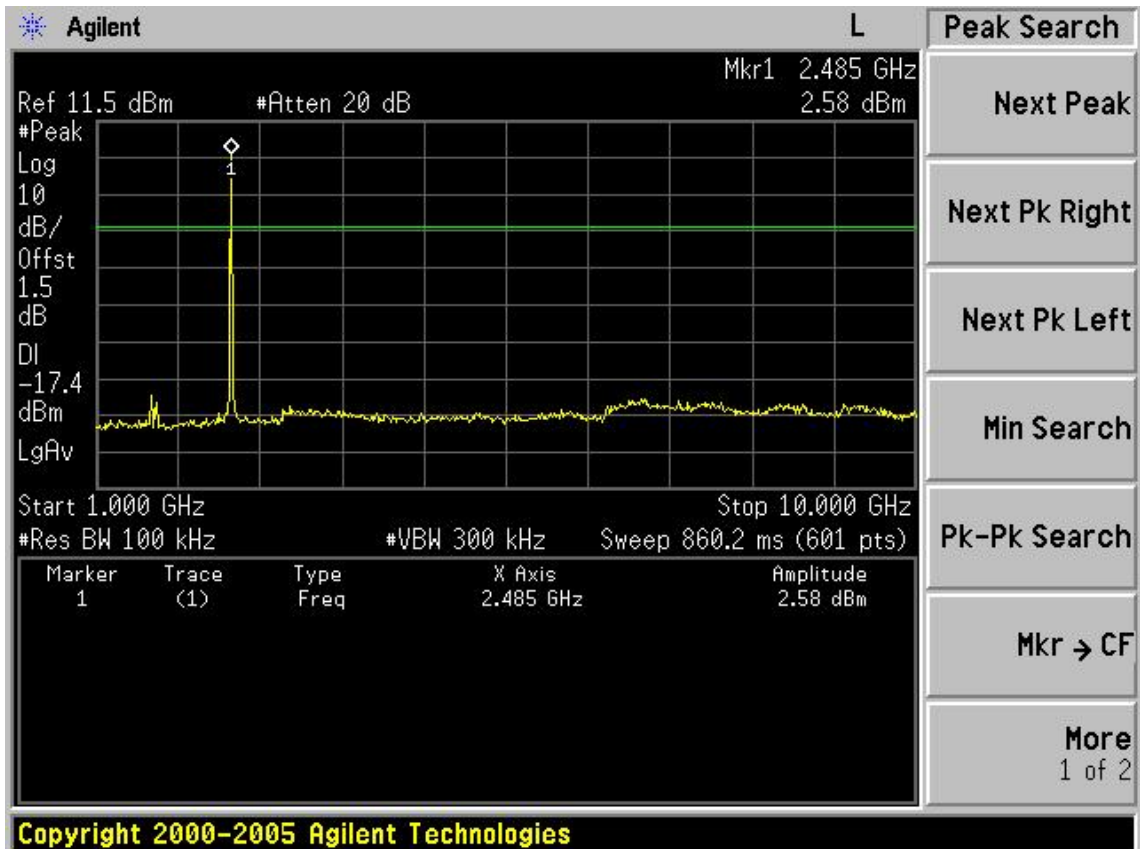


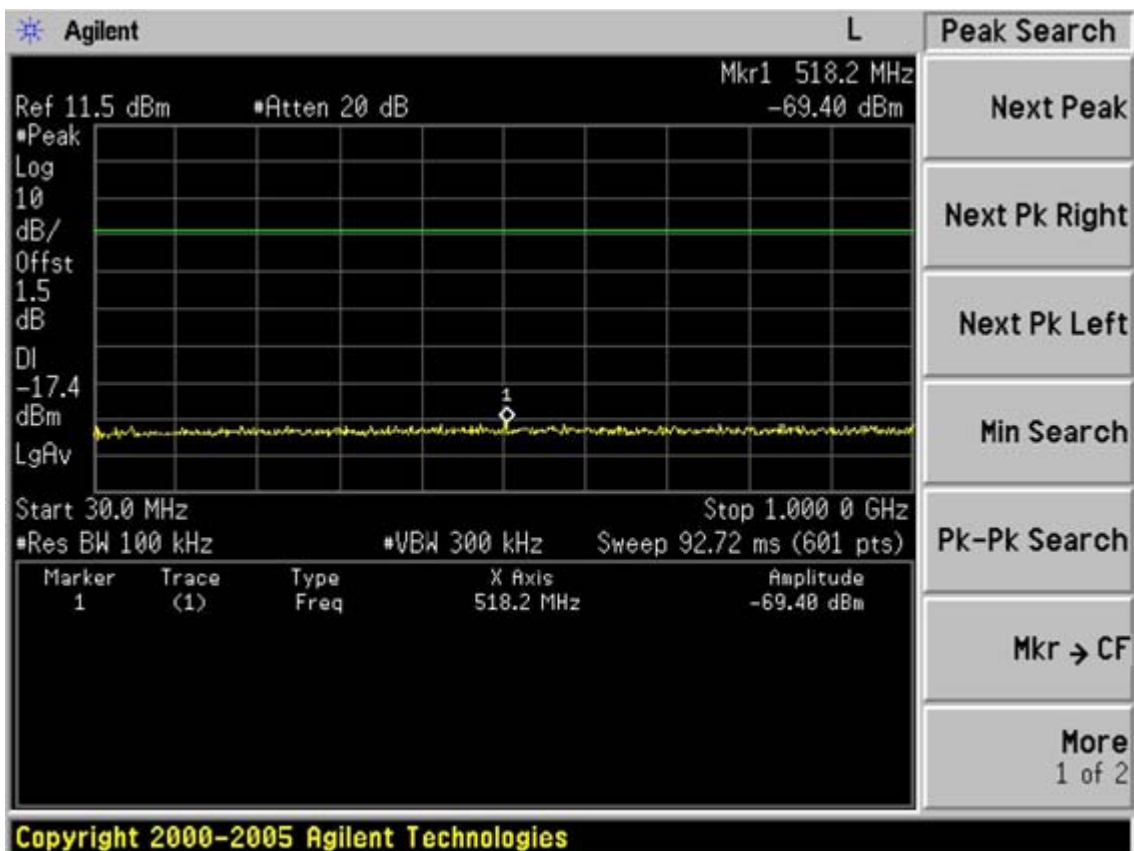
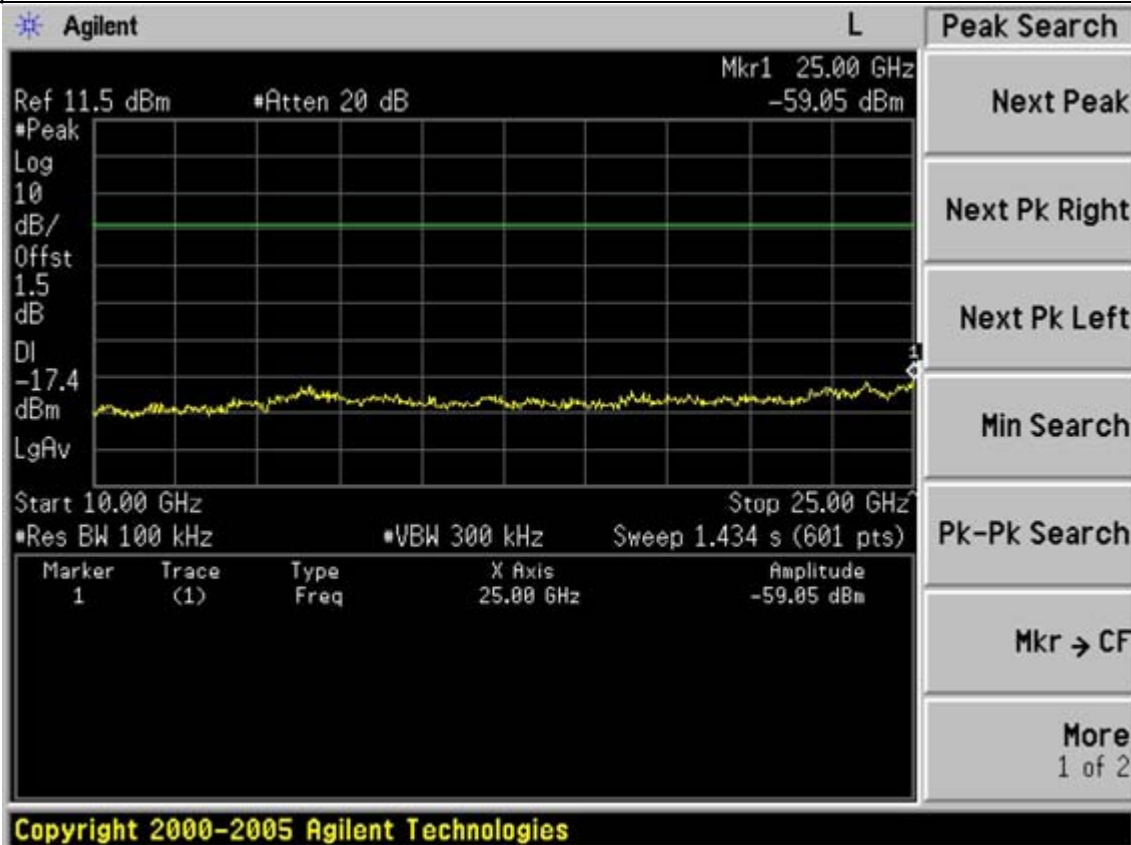


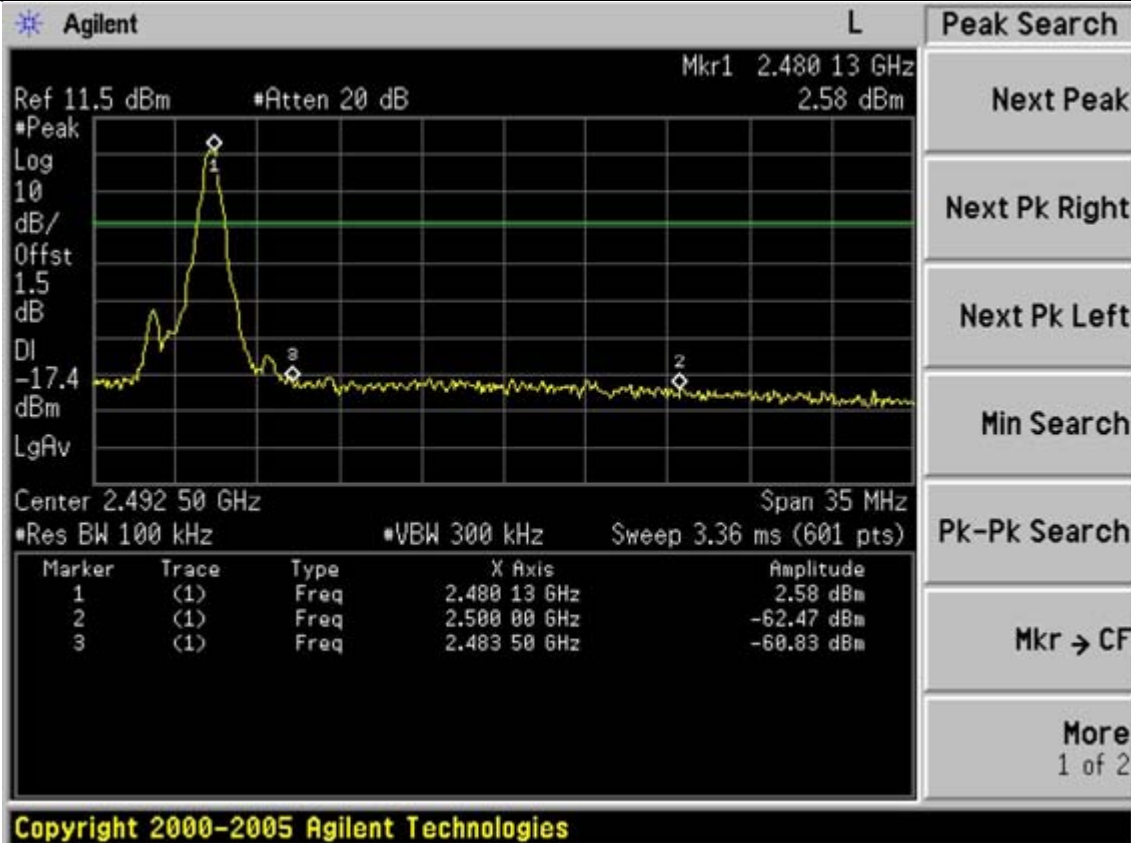




2480

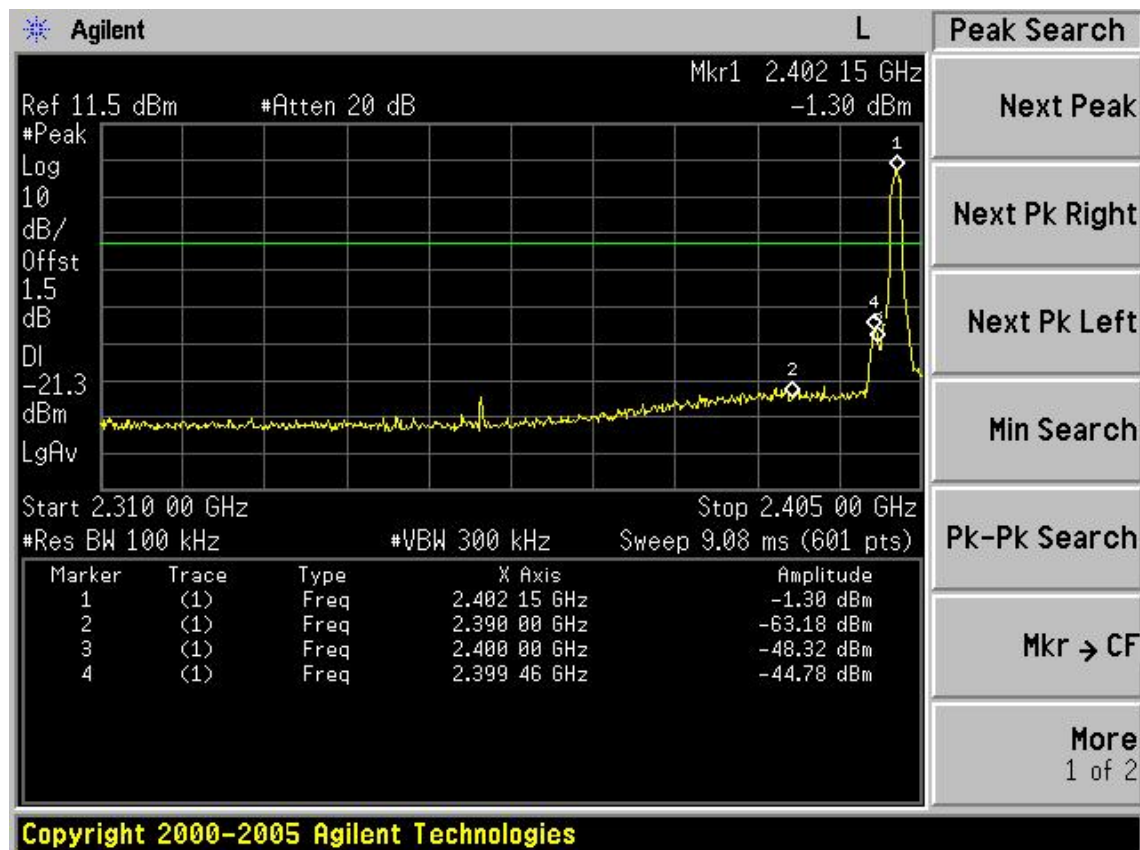


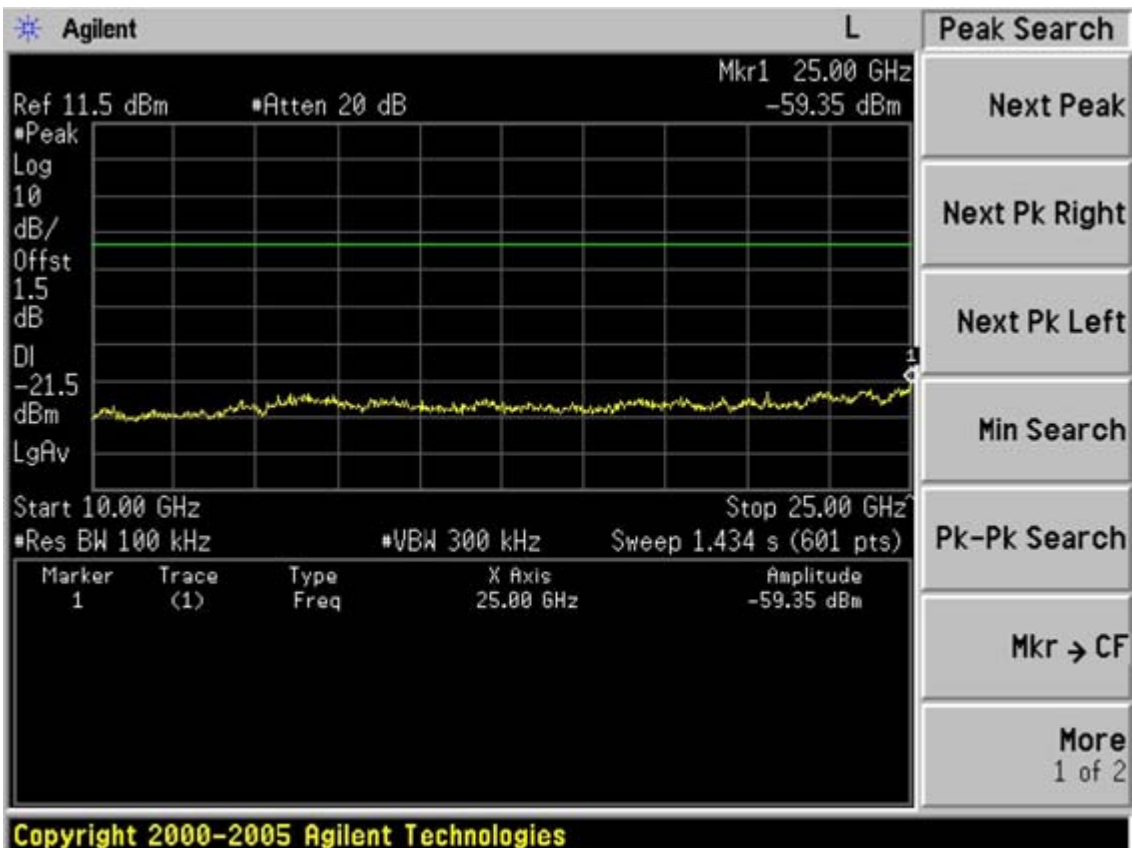
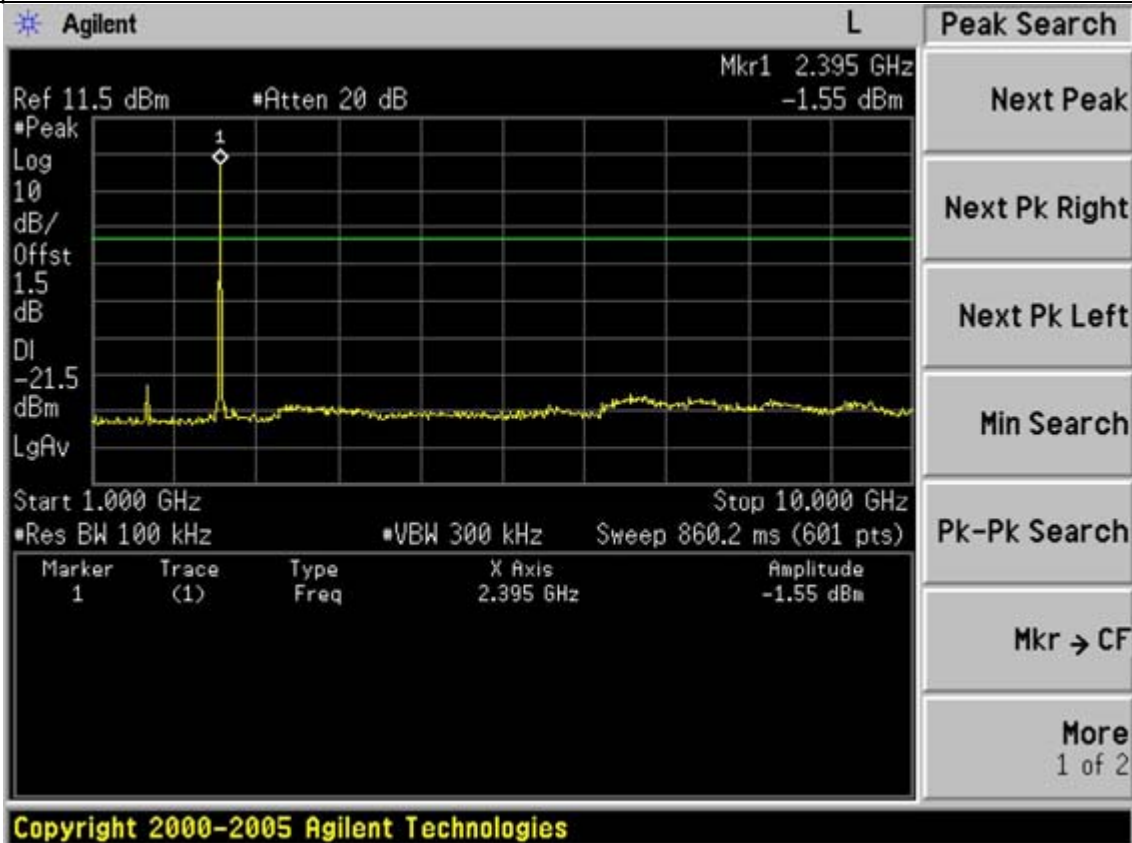


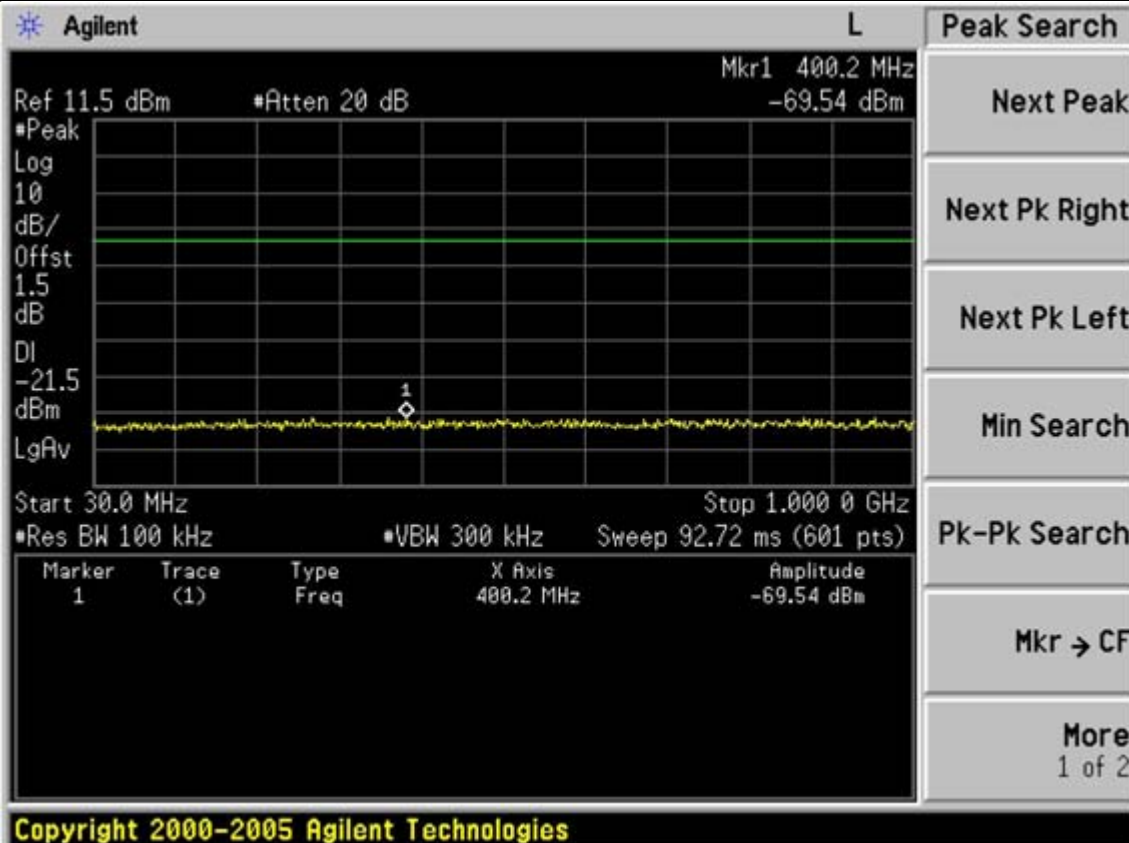


**8DPSK**

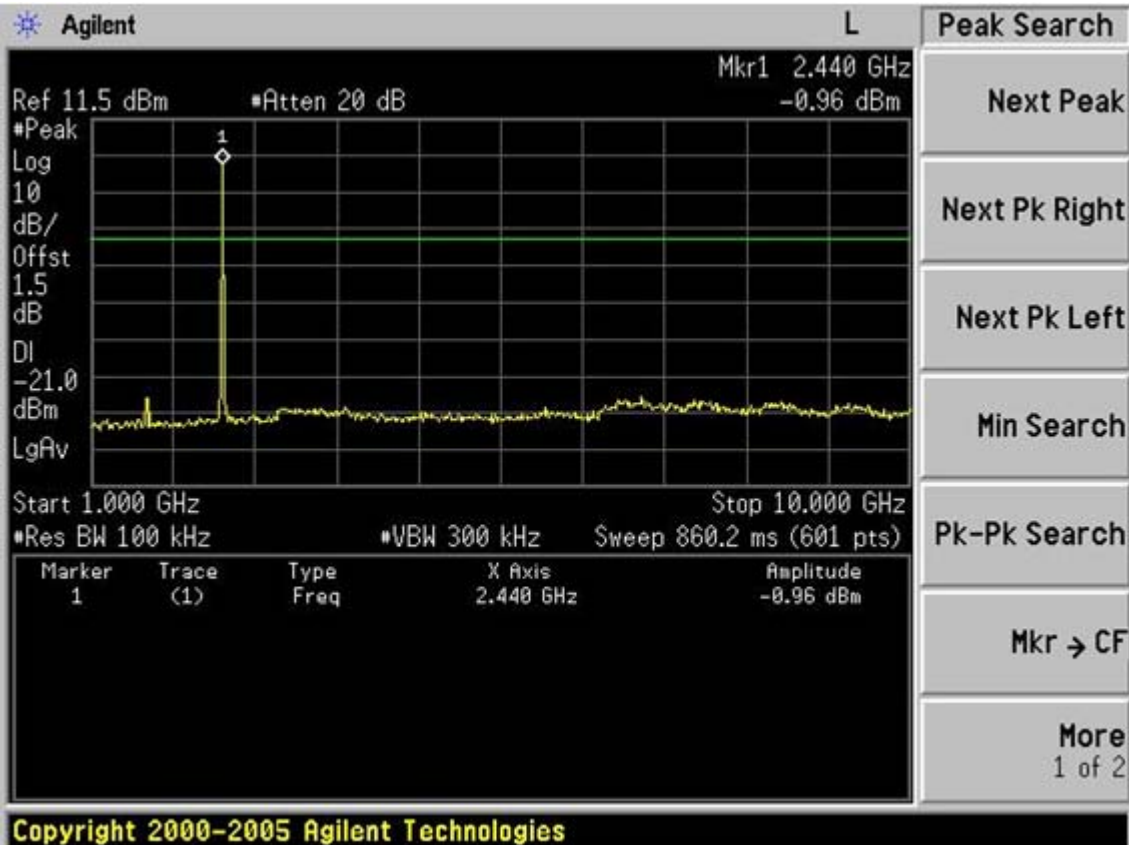
2402



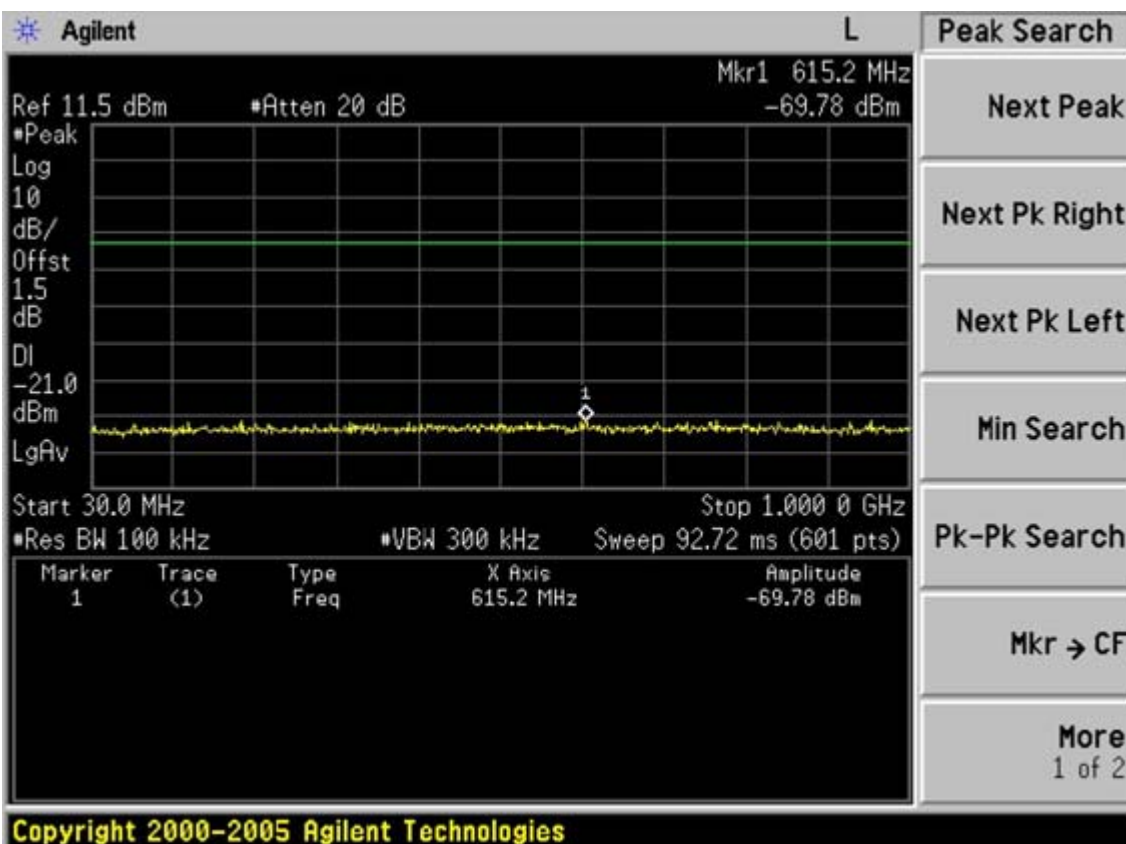
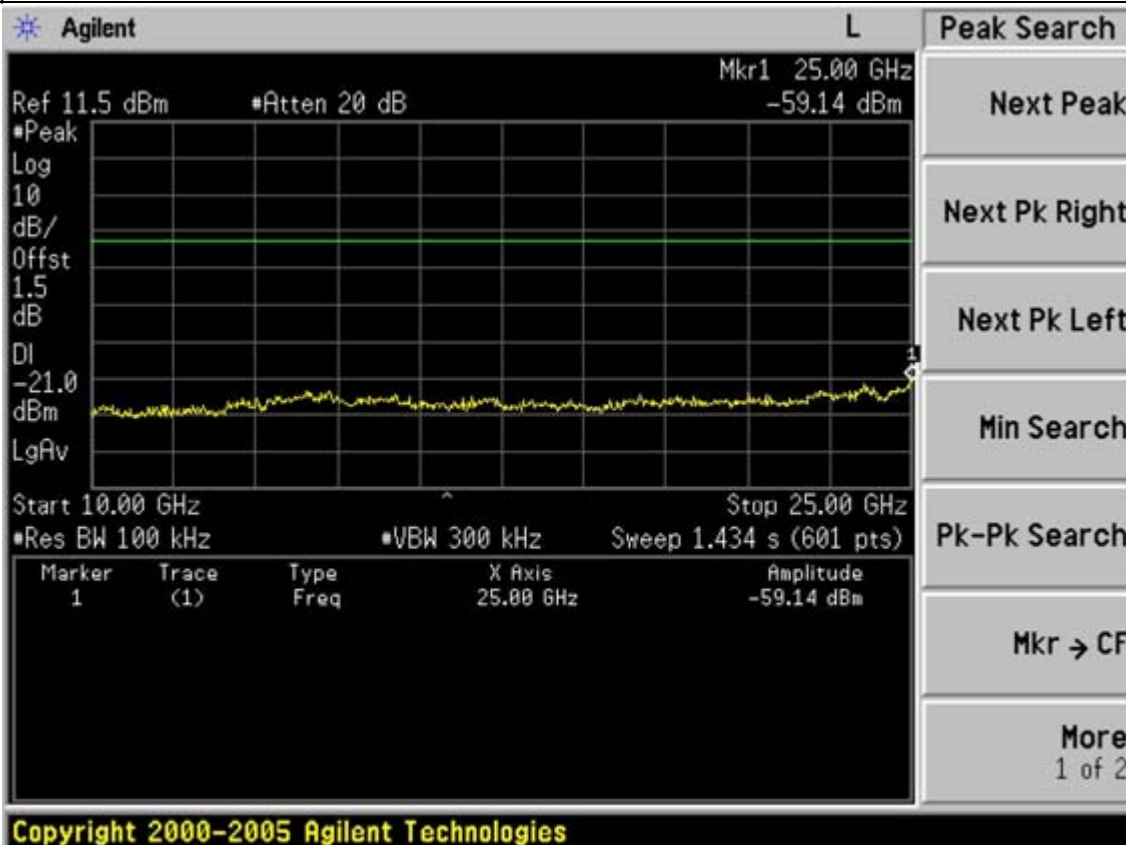


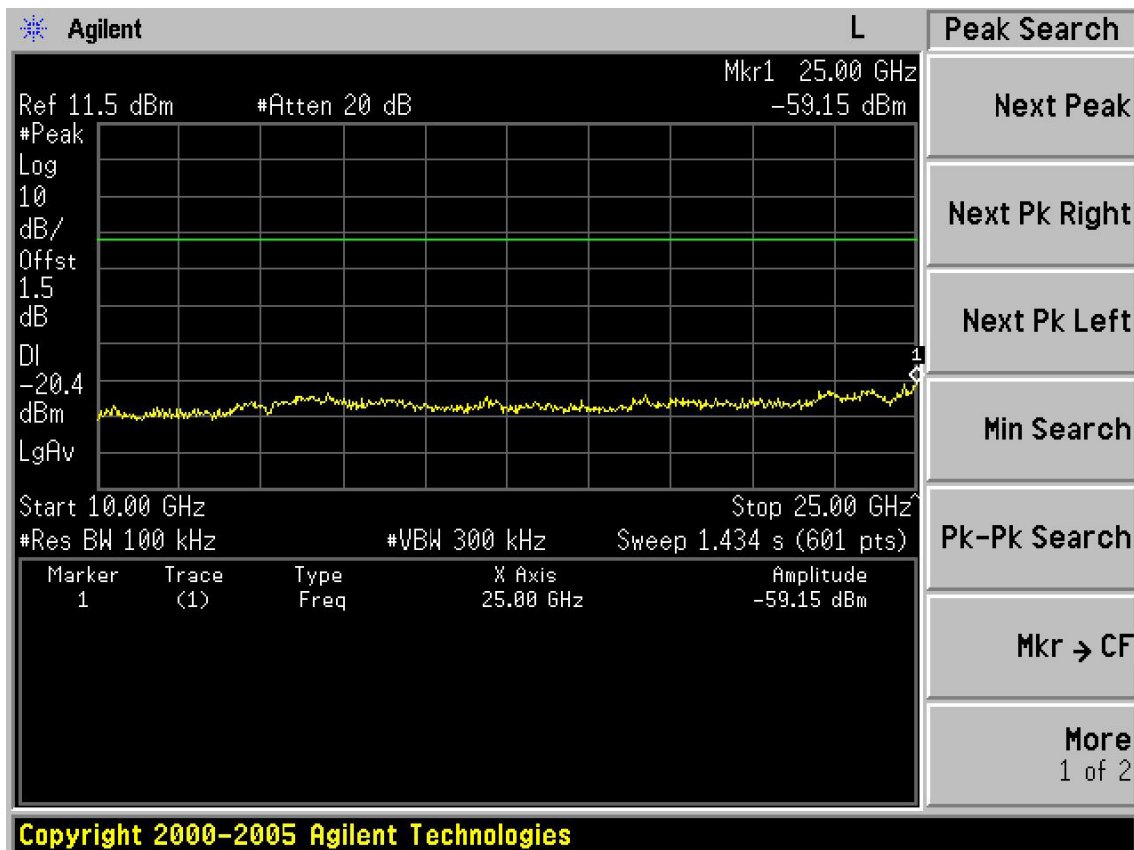
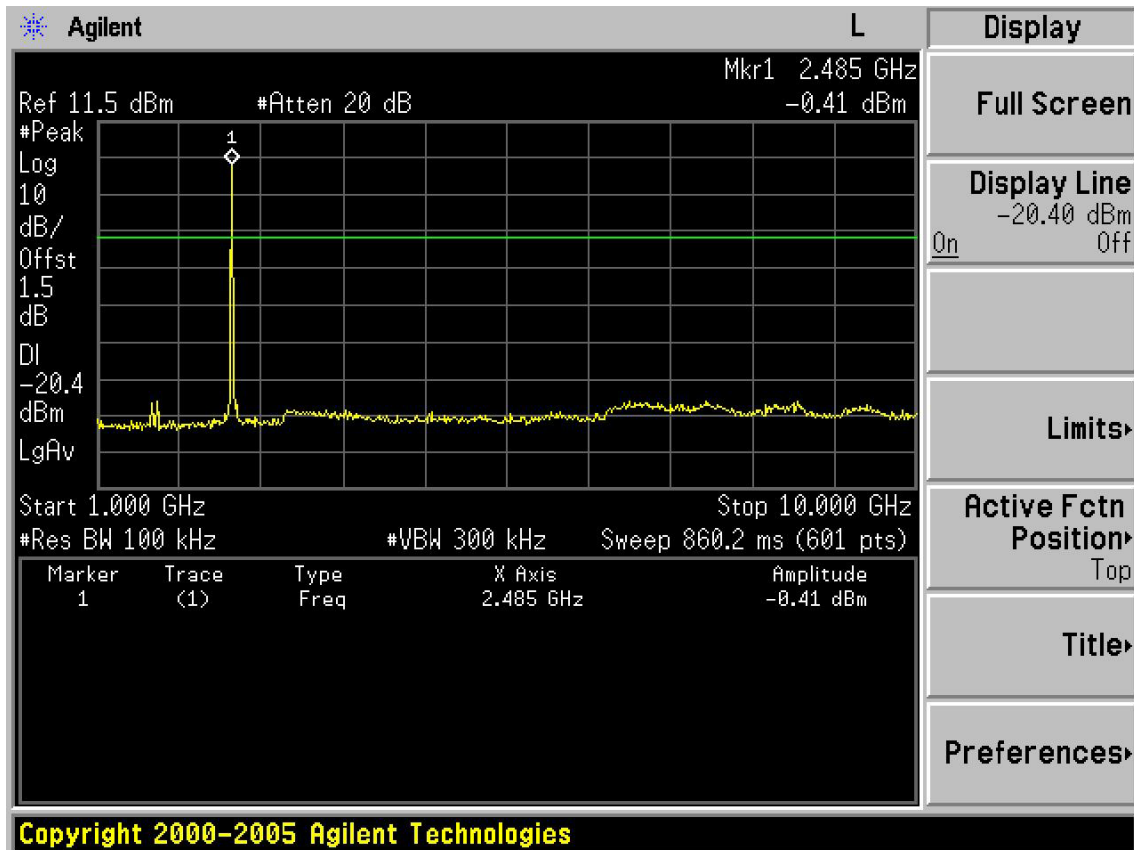


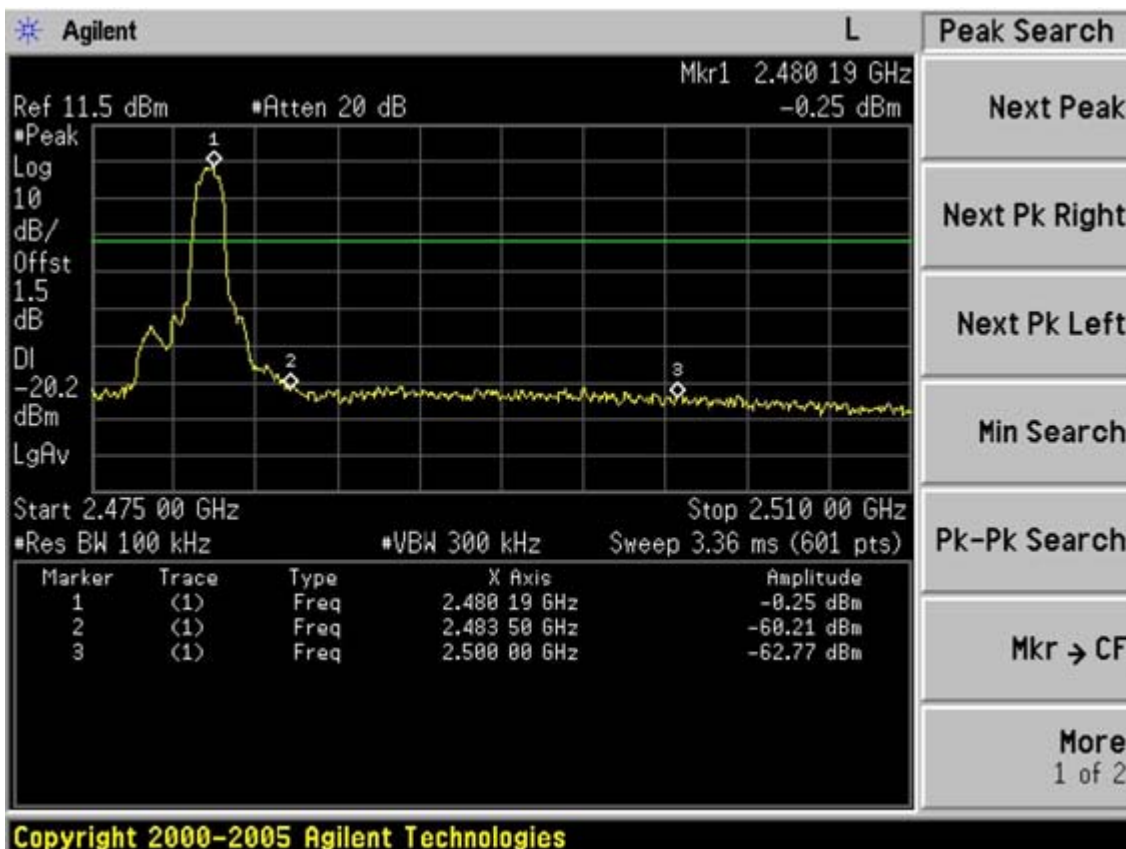
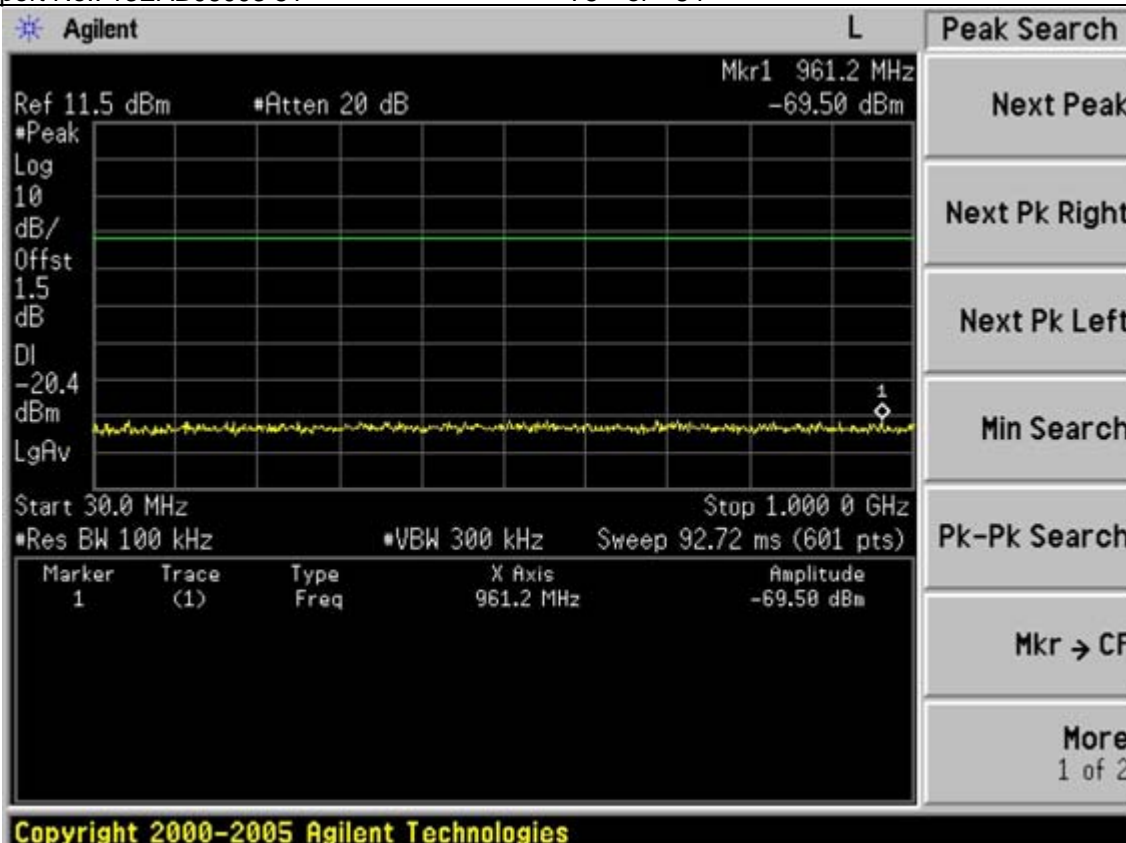
2442











## 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 built-in “F” shape PCB 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 0.81dBi.

## 13.RF Exposure

### Applicable Standard

According to 15.247(e)(i) and 1.1310, Systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 Mobile Portable RF Exposure V05 Appendix A, SAR can be exempted if the output power is less than the SAR exclusion threshold:

For  $f=2450$ , the output power is less 10mW at distance of 5mm.

### Measurement Result

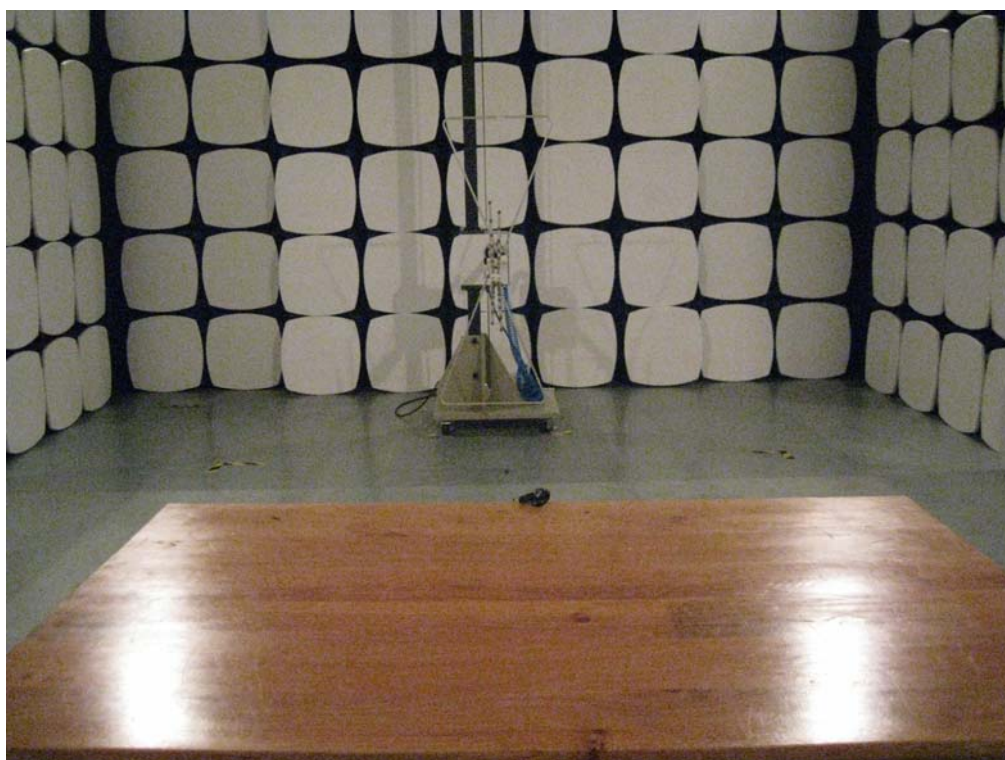
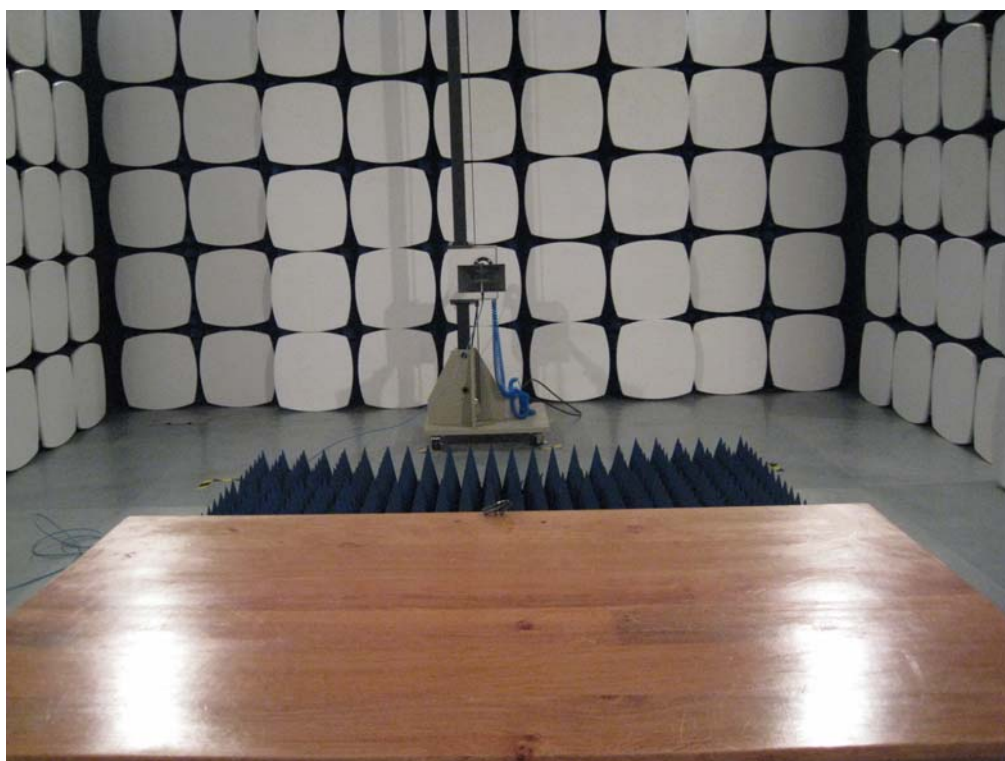
Peak conducted putput power=2.56dBm

Antenna gain=0.81dBi

SAR exclusion threshold 10Mw(10dBm)>2.56dBm

**So the SAR evaluation is not necessary.**

## 14. Test setup photograph

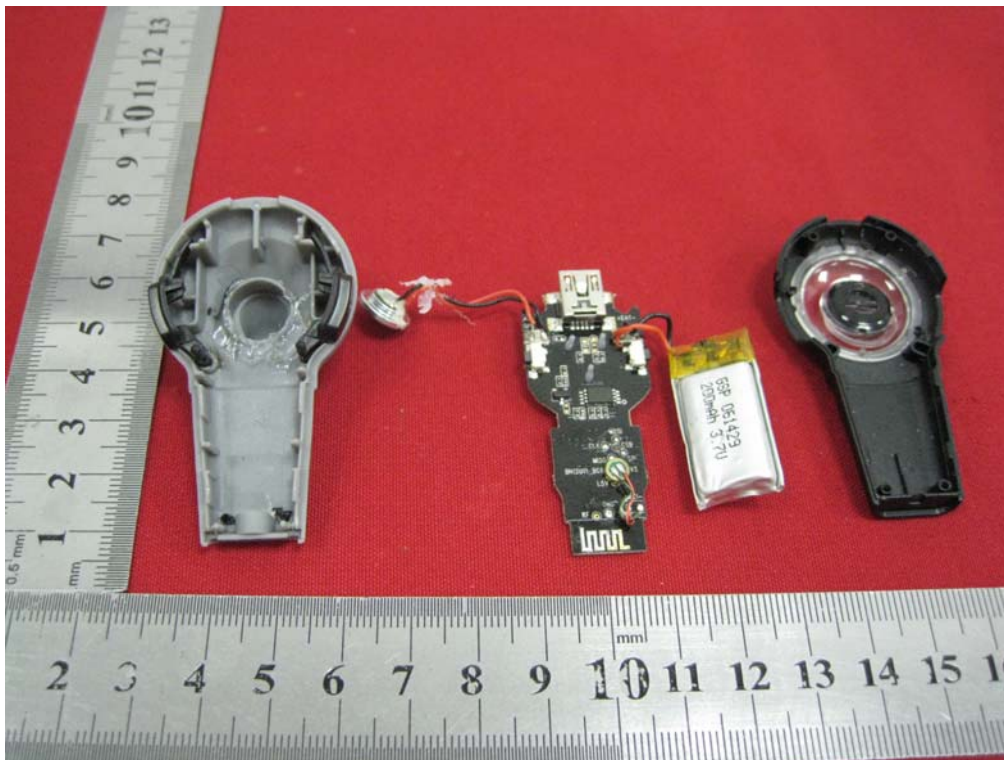


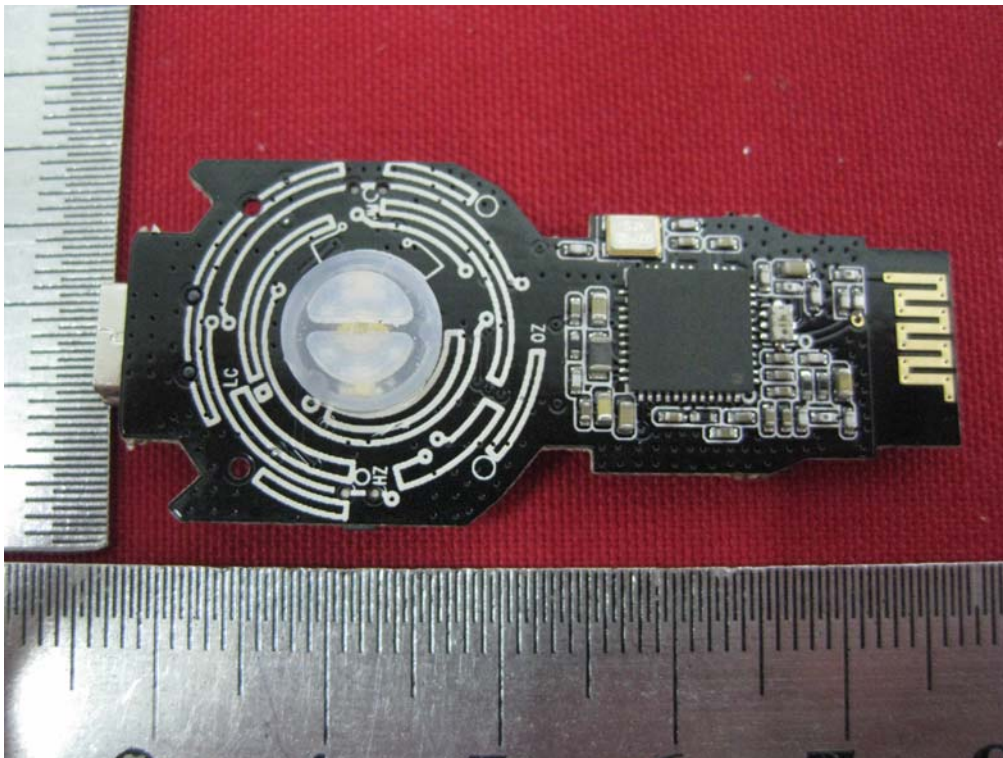
15.Photos of the EUT

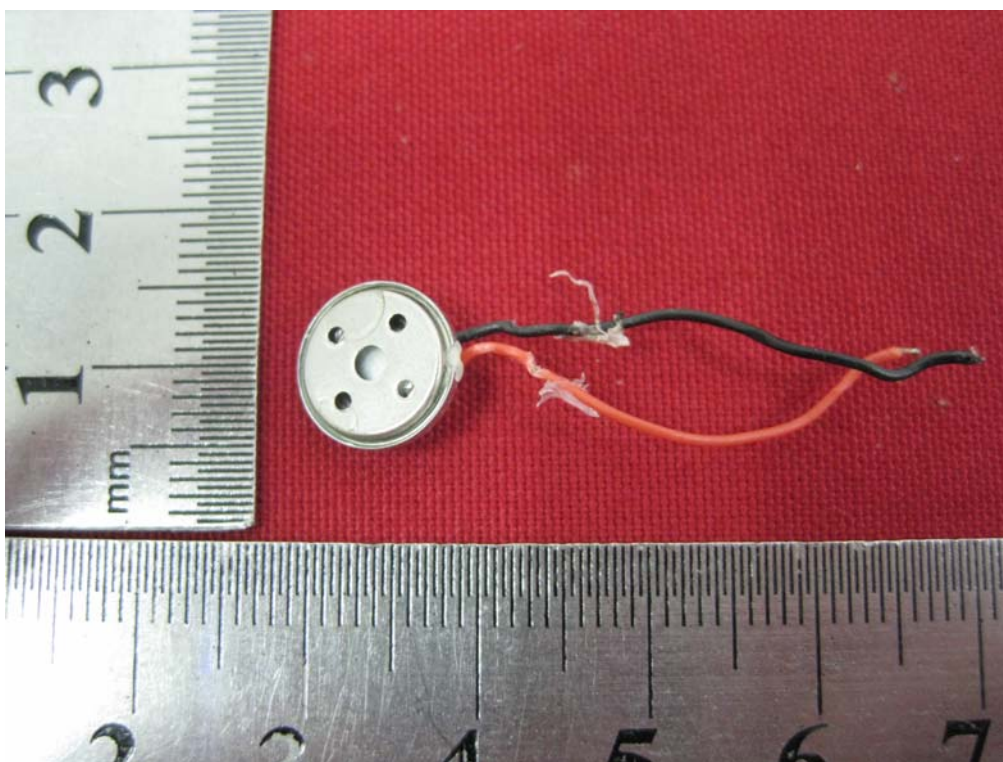


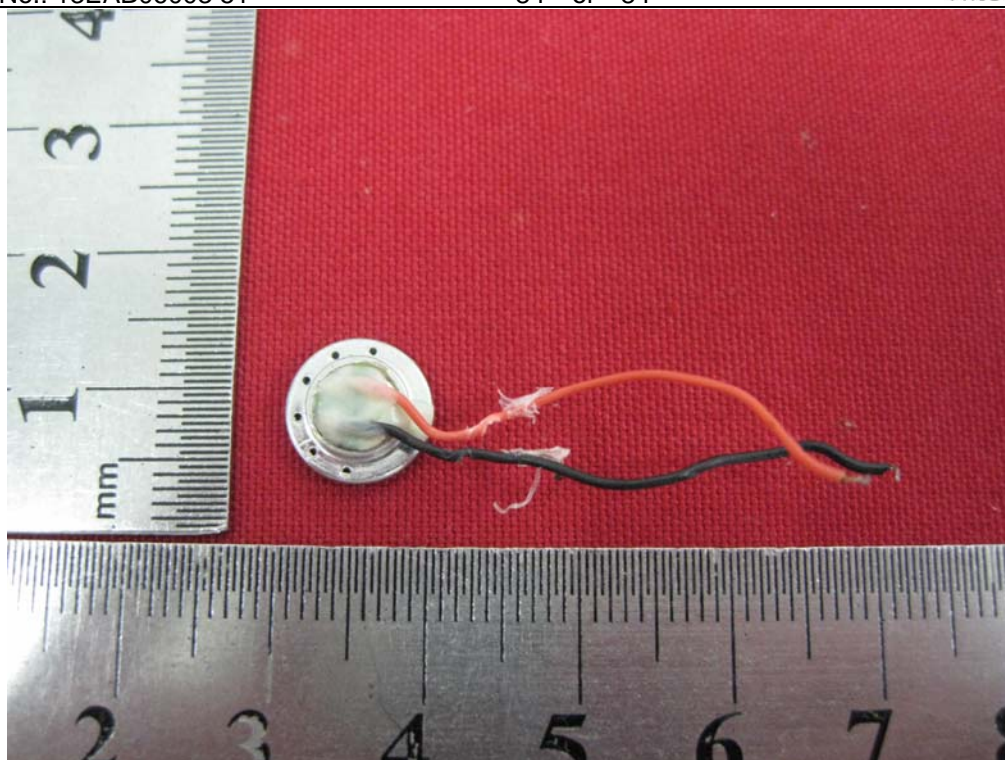












**END OF REPORT**