

# FCC TEST REPORT (BLUETOOTH)

**REPORT NO.:** RF120719C13  
**MODEL NO.:** Jenny TV  
**FCC ID:** YHLBLUJENNYTV  
**RECEIVED:** Jul. 19, 2012  
**TESTED:** Jul. 21 ~ Aug. 07, 2012  
**ISSUED:** Aug. 08, 2012

**APPLICANT:** CT Asia

**ADDRESS:** Unit 01, 15/F, Seaview Centre, 139-141 Hoi bun road, Kwun Tong, Kowloon, Hongkong

**ISSUED BY:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**LAB ADDRESS:** No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

**TEST LOCATION:** No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120719C13	Original release	Aug. 08, 2012

## 1. CERTIFICATION

**PRODUCT:** GSM mobile  
**MODEL NO.:** Jenny TV  
**BRAND:** Blu  
**APPLICANT:** CT Asia  
**TESTED:** Jul. 21 ~ Aug. 07, 2012  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**STANDARDS:** **FCC Part 15, Subpart C (Section 15.247)**  
ANSI C63.10-2009

The above equipment (model: Jenny TV) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY** :  , **DATE** : Aug. 08, 2012  
Pettie Chen / Senior Specialist

**APPROVED BY** :  , **DATE** : Aug. 08, 2012  
Gary Chang / Technical Manager

## 2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -15.50dB at 0.66017MHz.
15.247(a)(1) (iii)	Number of Hopping Frequency Used	PASS	Meet the requirement of limit.
15.247(a)(1) (iii)	Dwell Time on Each Channel	PASS	Meet the requirement of limit.
15.247(a)(1)	1. Hopping Channel Separation 2. Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System	PASS	Meet the requirement of limit.
15.247(b)	Maximum Peak Output Power	PASS	Meet the requirement of limit.
15.247(d)	Transmitter Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -7.81dB at 2398.00MHz.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used.

**NOTE:** If The Frequency Hopping System operating in 2400-2483.5MHz band and the output power less than 125mW. The hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of hopping channel whichever is greater.

### 2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>EUT</b>	GSM mobile
<b>MODEL NO.</b>	Jenny TV
<b>POWER SUPPLY</b>	3.7Vdc (Li-ion battery) 5.0Vdc (Adapter)
<b>MODULATION TYPE</b>	GFSK, $\pi/4$ -DQPSK, 8DPSK
<b>MODULATION TECHNOLOGY</b>	FHSS
<b>TRANSFER RATE</b>	1/2/3Mbps
<b>OPERATING FREQUENCY</b>	2402 ~ 2480MHz
<b>NUMBER OF CHANNEL</b>	79
<b>MAX. OUTPUT POWER</b>	0.0051W
<b>ANTENNA TYPE</b>	PIFA antenna with 1.6dBi gain
<b>ANTENNA CONNECTOR</b>	NA
<b>I/O PORTS</b>	Refer to user's manual
<b>DATA CABLE</b>	Refer to Note as below
<b>ACCESSORY DEVICES</b>	Refer to Note as below

**NOTE:**

1. The EUT contains the following accessories.

ITEM	BRAND	MODEL	SPECIFICATION
Adapter	BLU	US-01-001	Input: 100-240Vac, 150mA Output: 5Vdc, 500mA
Battery	BLU	N5C90T	Rating: 3.7Vdc, 900mAh Type: Li-ion
USB Cable	BLU	NA	1.0m shielded cable with two ferrite cores

2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

### 3.2 DESCRIPTION OF TEST MODES

79 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		



### 3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
-	√	√	√	√	-

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz  
**PLC**: Power Line Conducted Emission **APCM**: Antenna Port Conducted Measurement

**NOTE:**  
The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane**.

#### RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	0, 39, 78	FHSS	GFSK	DH5

#### RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	39	FHSS	GFSK	DH5

#### POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	39	FHSS	GFSK	DH5

### **BANDEDGE MEASUREMENT:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	0, 78	FHSS	GFSK	DH5

### **ANTENNA PORT CONDUCTED MEASUREMENT:**

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
-	0 to 78	0, 39, 78	FHSS	GFSK	DH5
-	0 to 78	0, 39, 78	FHSS	$\pi/4$ -DQPSK	DH5
-	0 to 78	0, 39, 78	FHSS	8DPSK	DH5

### **TEST CONDITION:**

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE $\geq$ 1G	25deg. C, 65%RH	120Vac, 60Hz	Kay Wu
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Kay Wu
PLC	24deg. C, 66%RH	120Vac, 60Hz	Mick Chou
APCM	25deg. C, 68%RH	120Vac, 60Hz	Phoenix Chen

### 3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Bluetooth earphone	ELECOM	LBT-MPHS400	NA	NA
2	Earphone	NA	NA	NA	NA
3	Universal Radio Communication Tester	R&S	CMU200	101095	NA

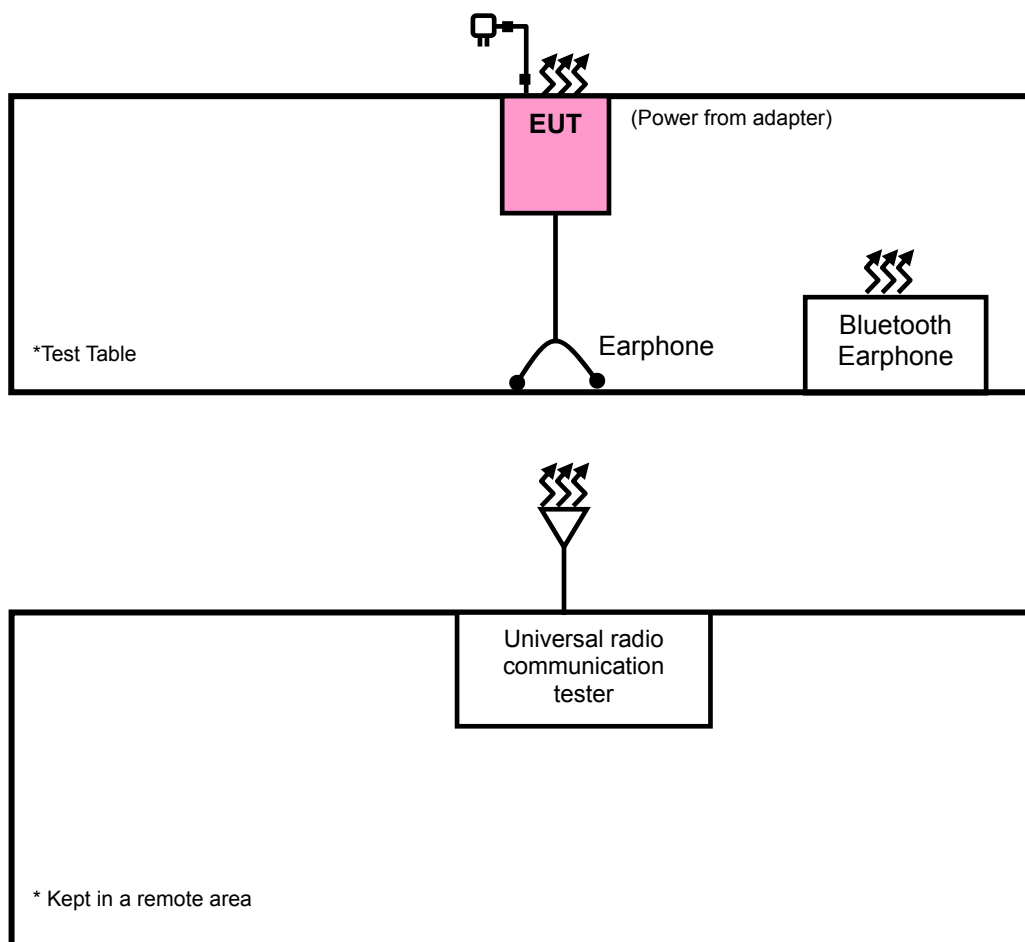
NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.8m audio cable
3	NA

**NOTE:**

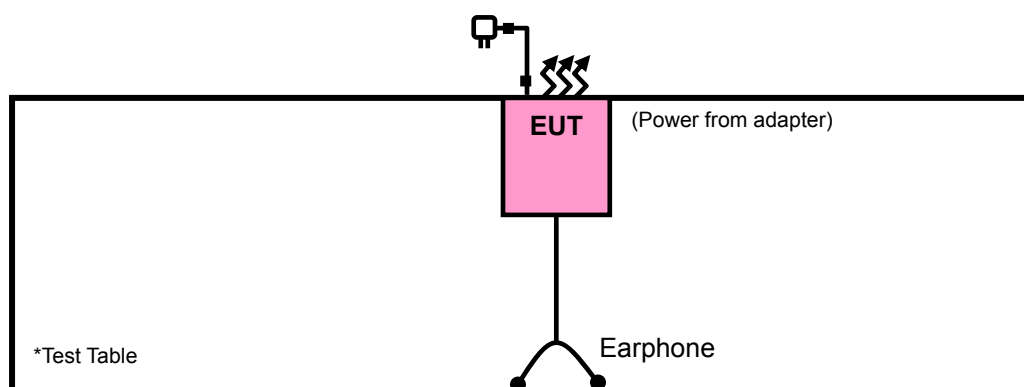
1. All power cords of the above support units are non-shielded (1.8m).
2. Item 2 was provided by client.
3. Items 3 acted as communication partner to transfer data.

### 3.3.1 CONFIGURATION OF SYSTEM UNDER TEST

#### For Power Line Conducted Emission Test



#### For all tests except Power Line Conducted Emission Test



### **3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS**

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart C. (15.247)**

**FCC Public Notice DA 00-705**

**ANSI C63.10-2009**

All test items have been performed and recorded as per the above standards.

## 4. TEST TYPES AND RESULTS

### 4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

#### 4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



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#### 4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY51210203	Dec. 22, 2011	Dec. 21, 2012
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 21, 2011	Dec. 20, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Dec. 20, 2011	Dec. 19, 2012
ORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 20, 2011	Dec. 19, 2012
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
Preamplifier EMCI	EMC 012645	980115	Dec. 30, 2011	Dec. 29, 2012
Preamplifier EMCI	EMC 184045	980116	Jan. 02, 2012	Jan. 01, 2013
Preamplifier EMCI	EMC 330H	980112	Dec. 30, 2011	Dec. 29, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4	Oct. 21, 2011	Oct. 20, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Jan. 02, 2012	Jan. 01, 2013
RF signal cable Worken	RG-213	NA	Jan. 02, 2012	Jan. 01, 2013
Software	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in HwaYa Chamber 9.
4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
5. The FCC Site Registration No. is 460141.
6. The IC Site Registration No. is IC 7450F-4.

#### 4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

**NOTE:**

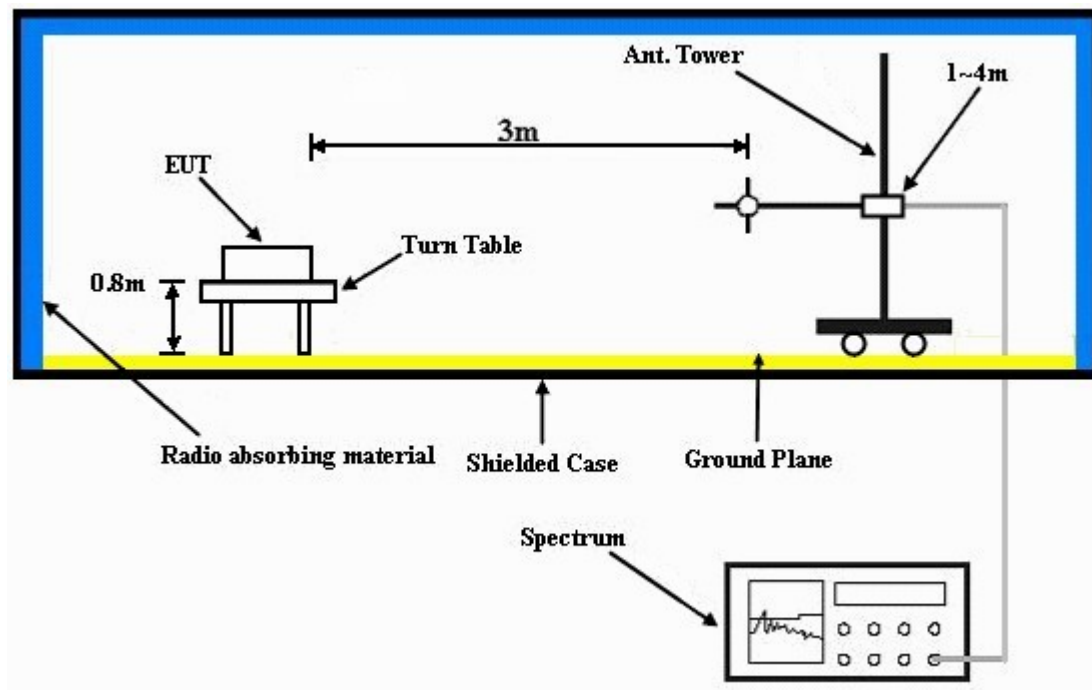
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation.



#### 4.1.5 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.1.6 EUT OPERATING CONDITIONS

Set the EUT under transmission condition continuously at specific channel frequency.



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## 4.1.7 TEST RESULTS

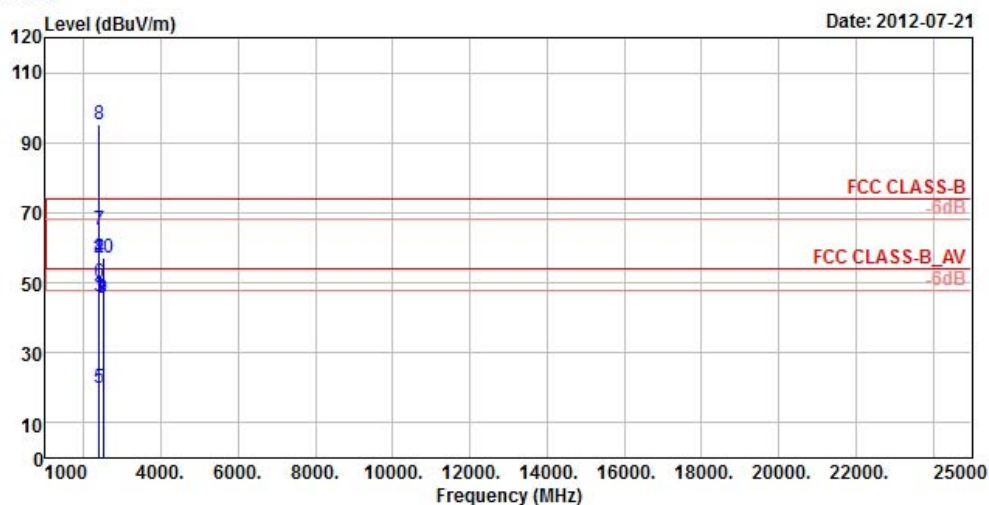
### ABOVE 1GHz WORST-CASE DATA : GFSK



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 19



Site : 966 Chamber 5  
Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF HORIZONTAL  
Brand/Model: Jenny TV  
Remark : BT TX GFSK CH00  
Tested by : Kay Wu  
Temperature : 25°C  
Humidity : 65%  
Plane : Y  
Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	46.00	51.39	54.00	-8.00	27.26	4.87	37.52	124	124	Average
2	2390.00	57.24	62.63	74.00	-16.76	27.26	4.87	37.52	124	124	Peak
3	2398.00	46.19	51.58	54.00	-7.81	27.26	4.87	37.52	124	124	Average
4	2398.00	57.10	62.49	74.00	-16.90	27.26	4.87	37.52	124	124	Peak
5	2400.00	19.95	25.34	54.00	-34.05	27.26	4.87	37.52	124	124	Average
6	2400.00	50.05	55.44	74.00	-23.95	27.26	4.87	37.52	124	124	Peak
7 av	2402.00	65.15	70.54			27.26	4.87	37.52	124	124	Average
8 pp	2402.00	95.25	100.64			27.26	4.87	37.52	124	124	Peak
9	2485.50	45.42	50.32	54.00	-8.58	27.50	4.92	37.32	124	124	Average
10	2485.50	57.31	62.21	74.00	-16.69	27.50	4.92	37.32	124	124	Peak



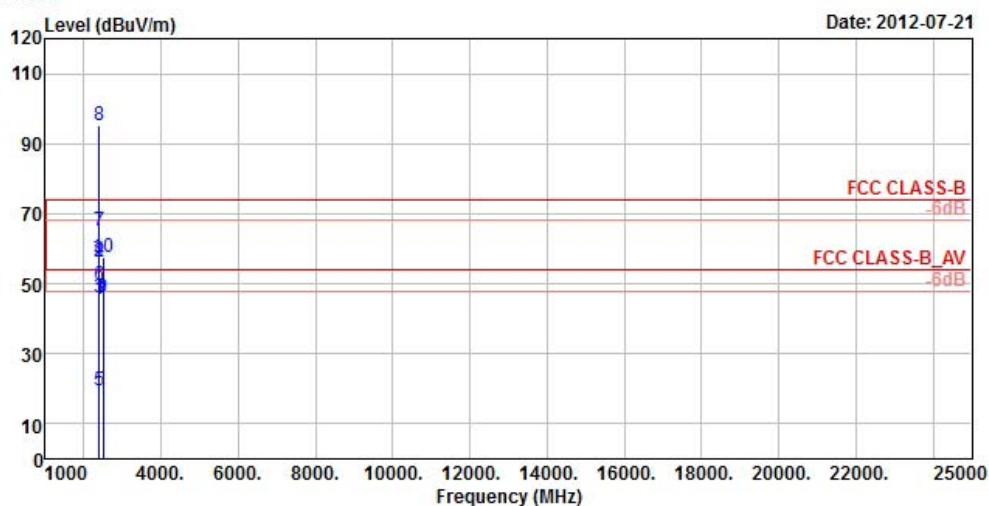
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Data: 20



Site : 966 Chamber 5  
 Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF VERTICAL  
 Brand/Model: Jenny TV  
 Remark : BT TX GFSK CH00  
 Tested by : Kay Wu  
 Temperature : 25°C  
 Humidity : 65%  
 Plane : Y  
 Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	45.77	51.16	54.00	-8.23	27.26	4.87	37.52	100	213	Average
2	2390.00	56.24	61.63	74.00	-17.76	27.26	4.87	37.52	100	213	Peak
3	2398.00	45.87	51.26	54.00	-8.13	27.26	4.87	37.52	100	213	Average
4	2398.00	56.70	62.09	74.00	-17.30	27.26	4.87	37.52	100	213	Peak
5	2400.00	19.33	24.72	54.00	-34.67	27.26	4.87	37.52	100	213	Average
6	2400.00	49.43	54.82	74.00	-24.57	27.26	4.87	37.52	100	213	Peak
7 av	2402.00	64.96	70.35			27.26	4.87	37.52	100	213	Average
8 pp	2402.00	95.06	100.45			27.26	4.87	37.52	100	213	Peak
9	2485.50	45.88	50.78	54.00	-8.12	27.50	4.92	37.32	100	213	Average
10	2485.50	57.78	62.68	74.00	-16.22	27.50	4.92	37.32	100	213	Peak



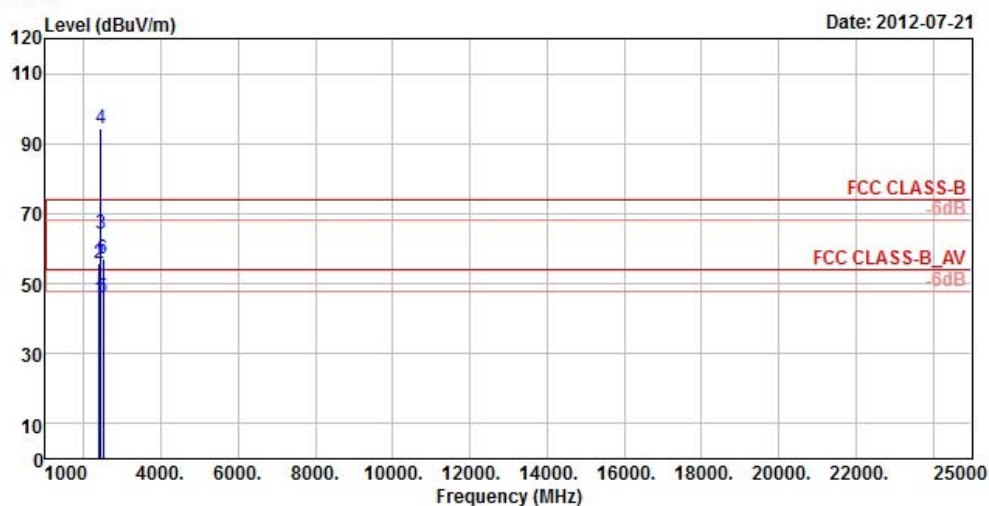
A D T



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A D T

Data: 19



Site : 966 Chamber 5  
Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF HORIZONTAL  
Brand/Model: Jenny TV  
Remark : BT TX GFSK CH39  
Tested by : Kay Wu  
Temperature : 25°C  
Humidity : 65%  
Plane : Y  
Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	45.67	51.06	54.00	-8.33	27.26	4.87	37.52	119	182	Average
2	2390.00	55.93	61.32	74.00	-18.07	27.26	4.87	37.52	119	182	Peak
3 av	2441.00	64.42	69.50			27.40	4.91	37.39	119	182	Average
4 pp	2441.00	94.52	99.60			27.40	4.91	37.39	119	182	Peak
5	2485.50	46.07	50.97	54.00	-7.93	27.50	4.92	37.32	119	182	Average
6	2485.50	57.10	62.00	74.00	-16.90	27.50	4.92	37.32	119	182	Peak



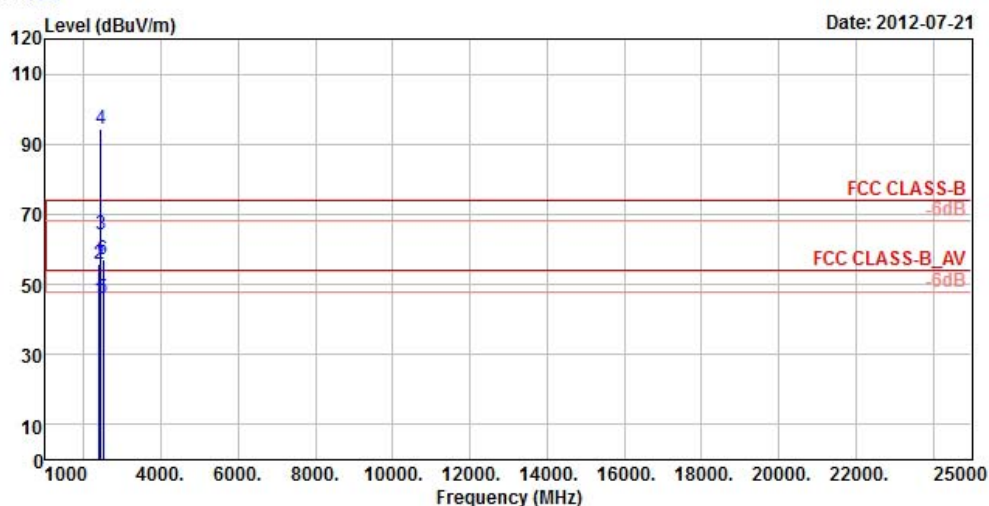
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 20



Site : 966 Chamber 5  
 Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF VERTICAL  
 Brand/Model: Jenny TV  
 Remark : BT TX GFSK CH39  
 Tested by : Kay Wu  
 Temperature : 25°C  
 Humidity : 65%  
 Plane : Y  
 Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	45.76	51.15	54.00	-8.24	27.26	4.87	37.52	120	180	Average
2	2390.00	55.98	61.37	74.00	-18.02	27.26	4.87	37.52	120	180	Peak
3 av	2441.00	64.32	69.40			27.40	4.91	37.39	120	180	Average
4 pp	2441.00	94.42	99.50			27.40	4.91	37.39	120	180	Peak
5	2485.50	46.13	51.03	54.00	-7.87	27.50	4.92	37.32	120	180	Average
6	2485.50	57.23	62.13	74.00	-16.77	27.50	4.92	37.32	120	180	Peak





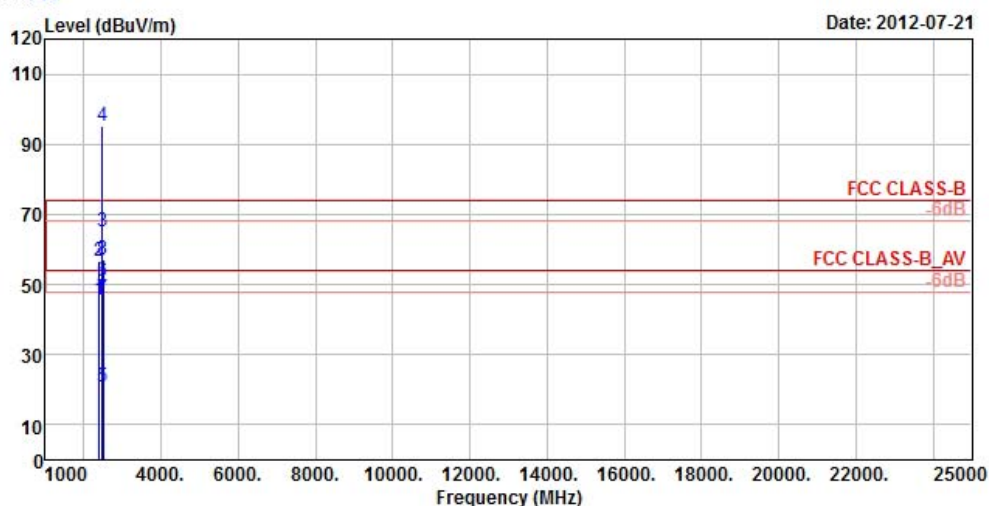
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 19



Site : 966 Chamber 5  
 Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF HORIZONTAL  
 Brand/Model: Jenny TV  
 Remark : BT TX GFSK CH78  
 Tested by : Kay Wu  
 Temperature : 25°C  
 Humidity : 65%  
 Plane : Y  
 Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	45.80	51.19	54.00	-8.20	27.26	4.87	37.52	150	138	Average
2	2390.00	56.69	62.08	74.00	-17.31	27.26	4.87	37.52	150	138	Peak
3 av	2480.00	65.25	70.15			27.50	4.92	37.32	150	138	Average
4 pp	2480.00	95.35	100.25			27.50	4.92	37.32	150	138	Peak
5	2483.50	20.75	25.65	54.00	-33.25	27.50	4.92	37.32	150	138	Average
6	2483.50	50.85	55.75	74.00	-23.15	27.50	4.92	37.32	150	138	Peak
7	2485.50	46.05	50.95	54.00	-7.95	27.50	4.92	37.32	150	138	Average
8	2485.50	57.31	62.21	74.00	-16.69	27.50	4.92	37.32	150	138	Peak



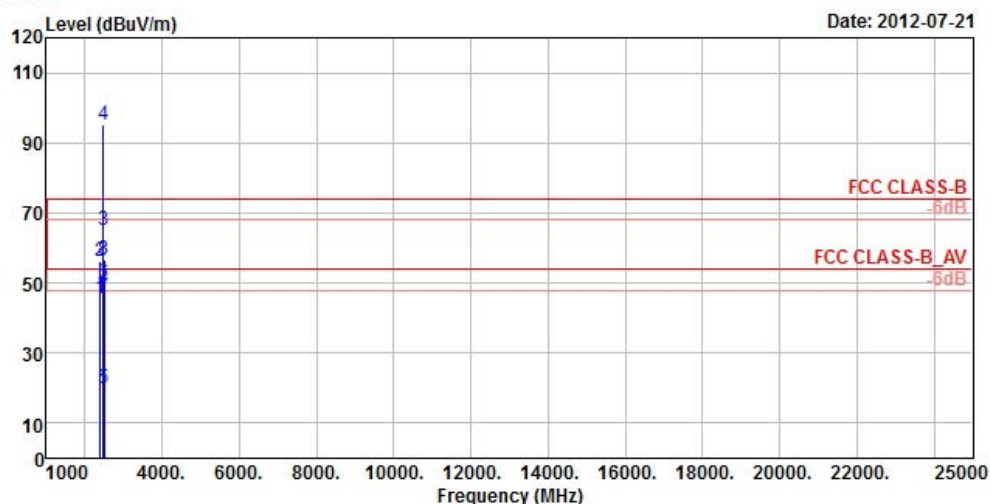
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 20



Site : 966 Chamber 5  
 Condition : FCC CLASS-B 3m ANT\_18G~40G\_HF VERTICAL  
 Brand/Model: Jenny TV  
 Remark : BT TX GFSK CH78  
 Tested by : Kay Wu  
 Temperature : 25°C  
 Humidity : 65%  
 Plane : Y  
 Rate : DH5

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	2390.00	45.76	51.15	54.00	-8.24	27.26	4.87	37.52	118	188	Average
2	2390.00	56.20	61.59	74.00	-17.80	27.26	4.87	37.52	118	188	Peak
3 av	2480.00	65.31	70.21			27.50	4.92	37.32	118	188	Average
4 pp	2480.00	95.41	100.31			27.50	4.92	37.32	118	188	Peak
5	2483.50	19.98	24.88	54.00	-34.02	27.50	4.92	37.32	118	188	Average
6	2483.50	50.08	54.98	74.00	-23.92	27.50	4.92	37.32	118	188	Peak
7	2485.50	45.91	50.81	54.00	-8.09	27.50	4.92	37.32	118	188	Average
8	2485.50	56.81	61.71	74.00	-17.19	27.50	4.92	37.32	118	188	Peak



A D T

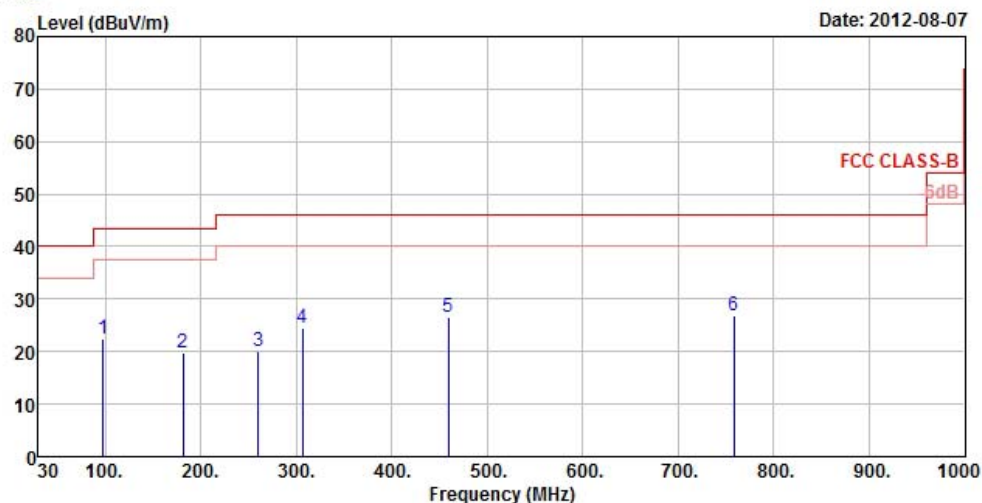
## BELOW 1GHz WORST-CASE DATA :



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A D T

Data: 5



Site : 966 Chamber 5  
Condition : FCC CLASS-B 3m ANT\_30M~1G\_LF HORIZONTAL  
Brand/Model: Jenny TV  
Remark : BT TX  
Tested by : Kay Wu  
Temperature : 25°C  
Humidity : 65%  
Plane : Y

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1	97.77	22.44	44.43	43.50	-21.06	8.91	1.06	31.96	100	212	Peak
2	181.20	19.71	39.35	43.50	-23.79	10.67	1.51	31.82	133	274	Peak
3	260.04	19.98	38.20	46.00	-26.02	11.77	1.86	31.85	196	67	Peak
4	306.30	24.38	41.12	46.00	-21.62	13.10	2.07	31.91	100	285	Peak
5	459.60	26.55	39.37	46.00	-19.45	16.52	2.65	31.99	122	212	Peak
6 pp	758.50	26.99	33.18	46.00	-19.01	21.64	3.59	31.42	221	112	Peak





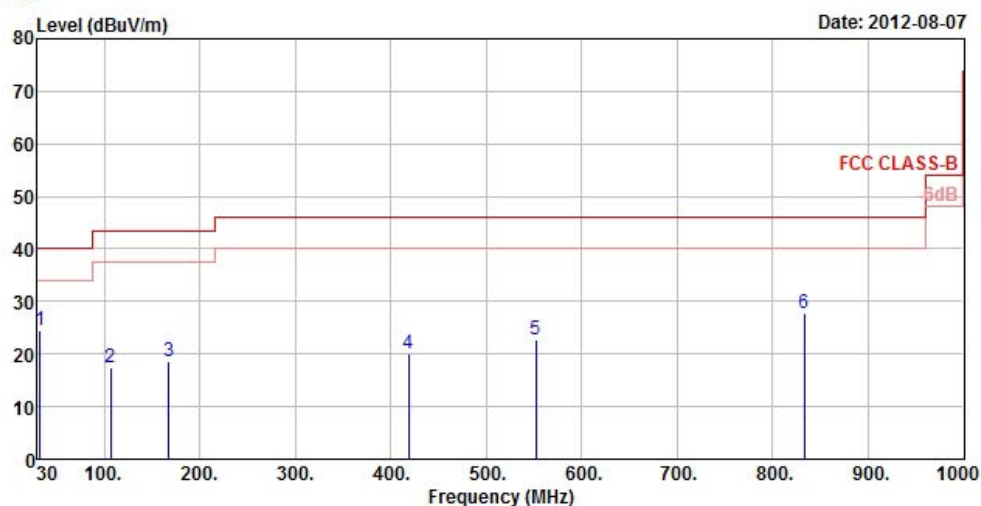
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A D T

Data: 6



Site : 966 Chamber 5  
 Condition : FCC CLASS-B 3m ANT\_30M~1G\_LF VERTICAL  
 Brand/Model: Jenny TV  
 Remark : BT TX  
 Tested by : Kay Wu  
 Temperature : 25°C  
 Humidity : 65%  
 Plane : Y

	Freq	Level	Read Level	Limit Line	OverAntenna Limit	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 pp	32.97	24.59	42.63	40.00	-15.41	12.47	0.58	31.09	142	221	Peak
2	106.95	17.54	38.60	43.50	-25.96	9.71	1.11	31.88	133	212	Peak
3	167.43	18.47	36.84	43.50	-25.03	11.96	1.43	31.76	102	252	Peak
4	419.00	20.13	33.96	46.00	-25.87	15.71	2.50	32.04	100	332	Peak
5	552.00	22.61	33.13	46.00	-23.39	18.50	2.95	31.97	174	241	Peak
6	833.40	27.63	32.94	46.00	-18.37	22.65	3.78	31.74	127	47	Peak

## 4.2 CONDUCTED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

### 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 19, 2011	Nov. 18, 2012
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 06, 2012	Jul. 05, 2013
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 2.
3. The VCCI Site Registration No. is C-2047.

#### 4.2.3 TEST PROCEDURES

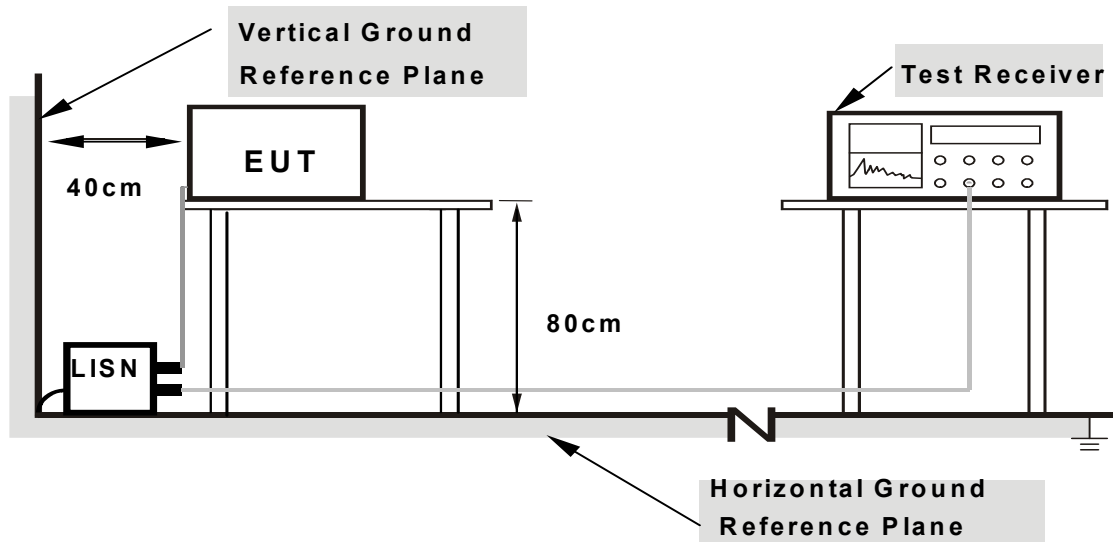
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

**NOTE:** All modes of operation were investigated and the worst-case emissions are reported.

#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.2.5 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
  2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.2.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on the testing table.
- b. The EUT linked with the universal radio communication tester, which acted as communication partners.
- c. Set the EUT functions of GSM, Bluetooth under transmission condition continuously at specific channel frequency.
- d. The necessary accessories enable the system in full functions.

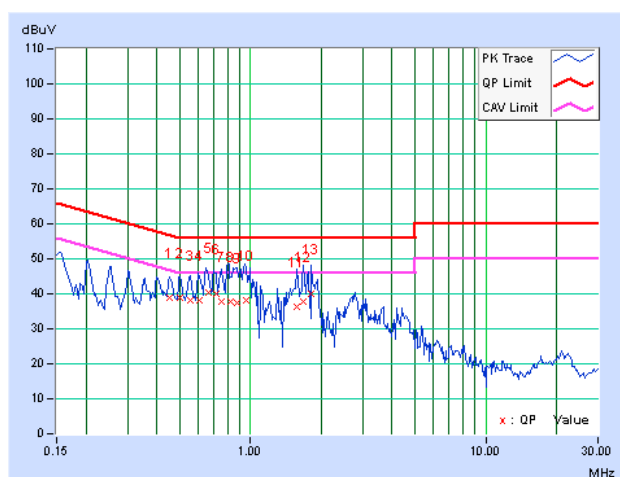
## 4.2.7 TEST RESULTS

### CONDUCTED WORST-CASE DATA : GFSK

PHASE	Line 1	6dB BANDWIDTH	9kHz
-------	--------	---------------	------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.45078	0.17	38.81	16.93	38.98	17.10	56.86	46.86	-17.88	-29.76
2	0.50000	0.17	38.68	16.48	38.85	16.65	56.00	46.00	-17.15	-29.35
3	0.55625	0.18	38.03	16.16	38.21	16.34	56.00	46.00	-17.79	-29.66
4	0.60685	0.18	38.00	16.80	38.18	16.98	56.00	46.00	-17.82	-29.02
5	0.66017	0.18	40.32	19.26	40.50	19.44	56.00	46.00	-15.50	-26.56
6	0.71678	0.18	39.79	18.09	39.97	18.27	56.00	46.00	-16.03	-27.73
7	0.75156	0.18	37.56	16.33	37.74	16.51	56.00	46.00	-18.26	-29.49
8	0.81984	0.18	37.73	16.86	37.91	17.04	56.00	46.00	-18.09	-28.96
9	0.87266	0.19	37.26	16.83	37.45	17.02	56.00	46.00	-18.55	-28.98
10	0.96403	0.19	37.81	16.29	38.00	16.48	56.00	46.00	-18.00	-29.52
11	1.57422	0.23	36.11	15.15	36.34	15.38	56.00	46.00	-19.66	-30.62
12	1.67578	0.24	37.61	16.92	37.85	17.16	56.00	46.00	-18.15	-28.84
13	1.81641	0.25	39.59	16.12	39.84	16.37	56.00	46.00	-16.16	-29.63

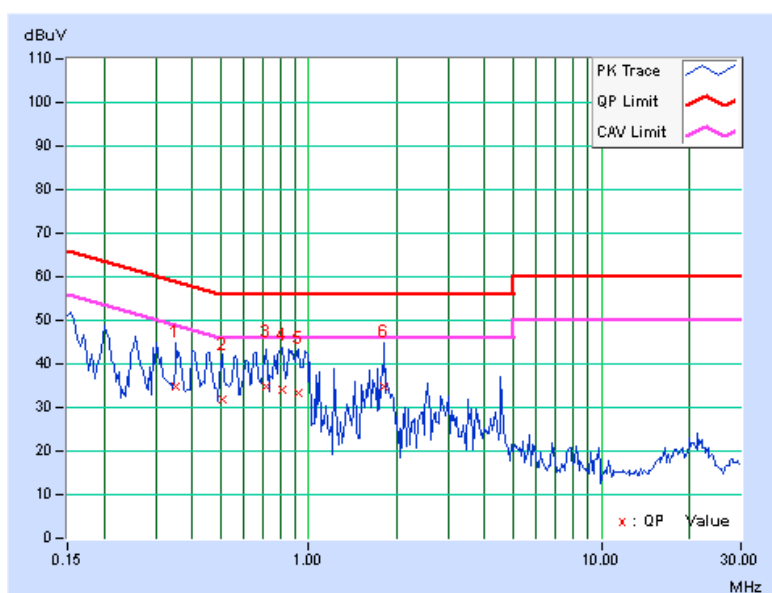
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. The emission levels of other frequencies were very low against the limit.
  3. Margin value = Emission level - Limit value
  4. Correction factor = Insertion loss + Cable loss
  5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
-------	--------	---------------	------

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.35313	0.16	34.54	13.51	34.70	13.67	58.89	48.89	-24.19	-35.22
2	0.50547	0.17	31.78	11.22	31.95	11.39	56.00	46.00	-24.05	-34.61
3	0.71641	0.18	34.49	12.74	34.67	12.92	56.00	46.00	-21.33	-33.08
4	0.80988	0.18	33.93	13.63	34.11	13.81	56.00	46.00	-21.89	-32.19
5	0.91962	0.19	33.11	12.50	33.30	12.69	56.00	46.00	-22.70	-33.31
6	1.82031	0.25	34.51	12.07	34.76	12.32	56.00	46.00	-21.24	-33.68

**REMARKS:** 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.  
2. The emission levels of other frequencies were very low against the limit.  
3. Margin value = Emission level - Limit value  
4. Correction factor = Insertion loss + Cable loss  
5. Emission Level = Correction Factor + Reading Value.

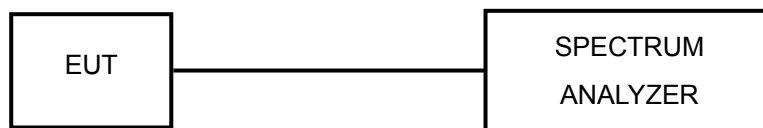


### 4.3 NUMBER OF HOPPING FREQUENCY USED

#### 4.3.1 LIMIT OF HOPPING FREQUENCY USED

At least 15 channels frequencies, and should be equally spaced.

#### 4.3.2 TEST SETUP



#### 4.3.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

#### 4.3.4 TEST PROCEDURES

- a. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- c. Set the SA on MaxHold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
- d. Set the SA on View mode and then plot the result on SA screen.
- e. Repeat above procedures until all frequencies measured were complete.

#### 4.3.5 DEVIATION FROM TEST STANDARD

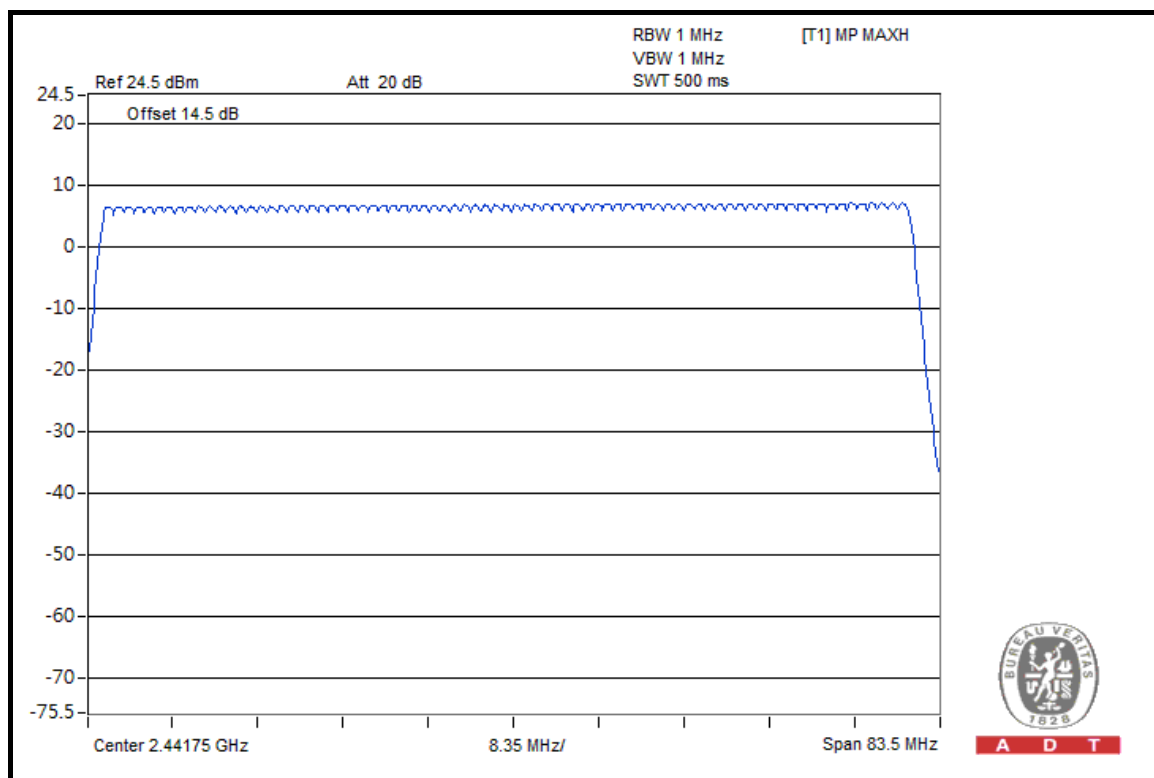
No deviation.

#### 4.3.6 TEST RESULTS

There are 79 hopping frequencies in the hopping mode. Please refer to next two pages for the test result. On the plots, it shows that the hopping frequencies are equally spaced.



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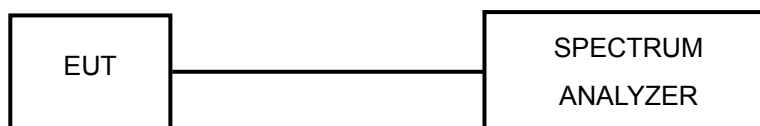


## 4.4 DWELL TIME ON EACH CHANNEL

### 4.4.1 LIMIT OF DWELL TIME USED

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.

### 4.4.2 TEST SETUP



### 4.4.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

### 4.4.4 TEST PROCEDURES

- Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
- Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
- Repeat above procedures until all different time-slot modes have been completed.

### 4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4.6 TEST RESULTS

##### GFSK

Mode	Average Hopping Channel	Package Transfer Time (usec)	Result (sec)	Limit (sec)
DH1	9.30	410.256	0.12	0.4
DH3	4.50	1668.269	0.24	0.4
DH5	3.30	2950.321	0.31	0.4

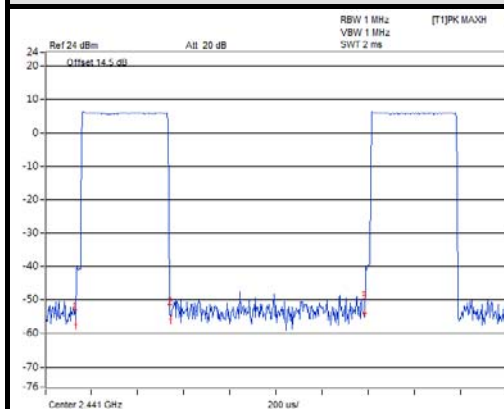
##### NOTE:

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79 channels come from the Hopping Channel number
3. Average Hopping Channel = hops/sweep time
4. t: Package Transfer Time(us)
5. Test plots of the transmitting time slot are shown on next page.

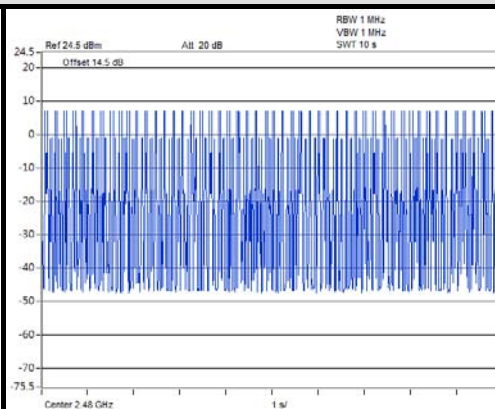


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### DH1

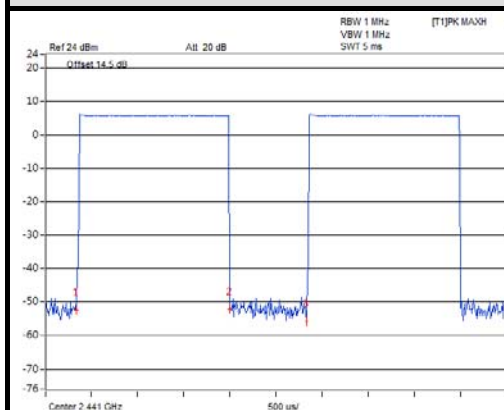


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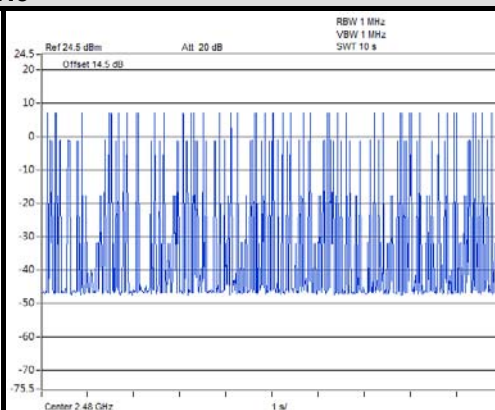


A D T

### DH3

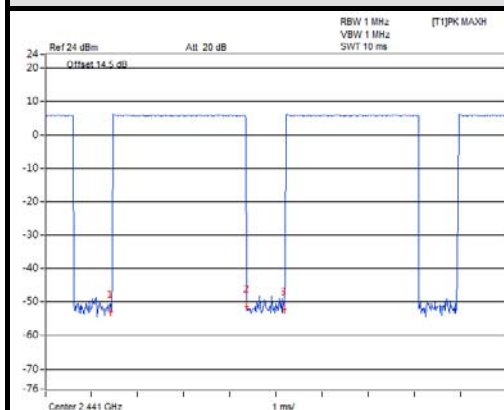


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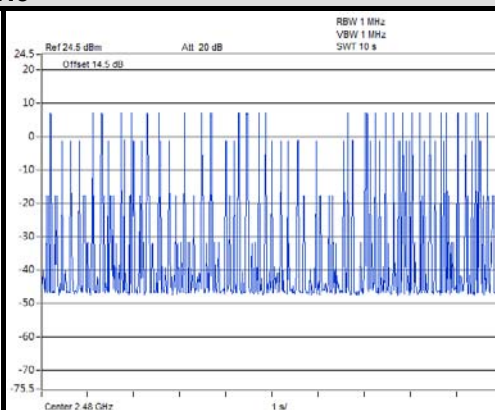


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### DH5



A D T



A D T



A D T

#### $\pi/4$ -DQPSK

Mode	Average Hopping Channel	Package Transfer Time (usec)	Result (sec)	Limit (sec)
DH1	9.40	421.474	0.13	0.4
DH3	4.60	1671.474	0.24	0.4
DH5	2.70	2953.526	0.25	0.4

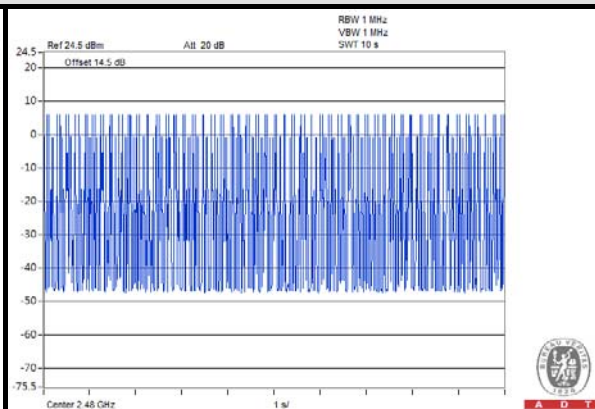
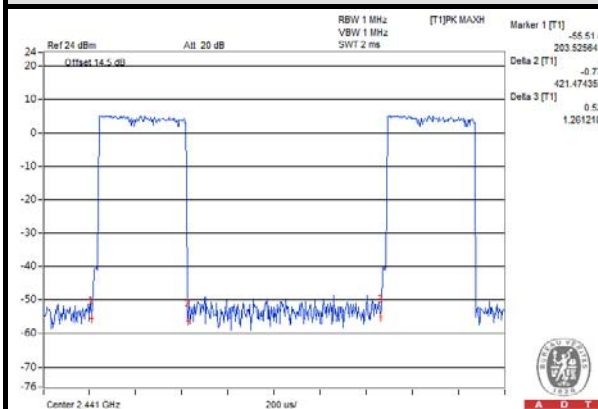
#### NOTE:

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79 channels come from the Hopping Channel number
3. Average Hopping Channel = hops/sweep time
4. t: Package Transfer Time(us)
5. Test plots of the transmitting time slot are shown on next page.

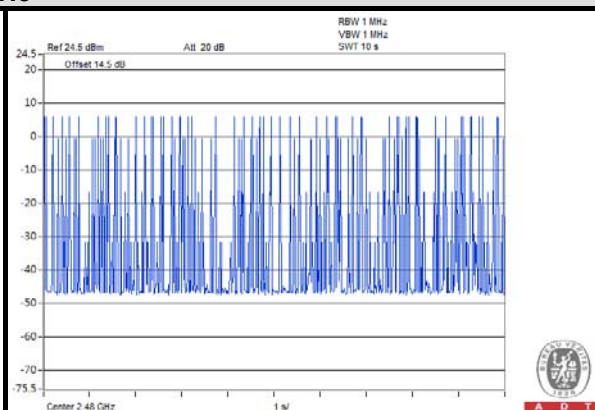
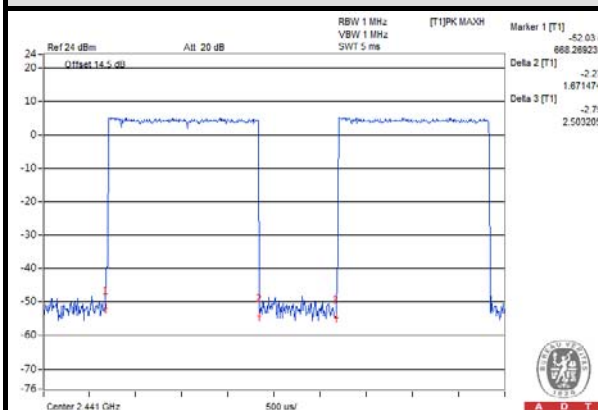


A D T

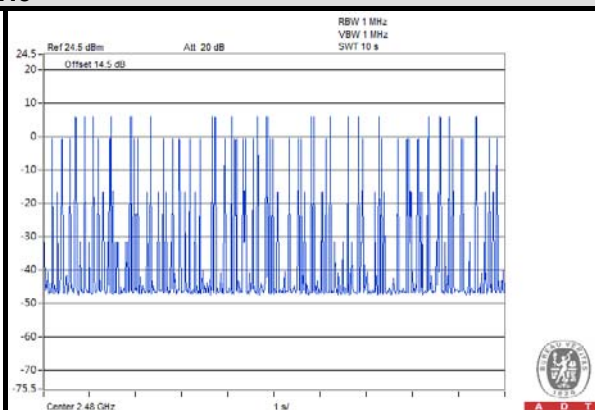
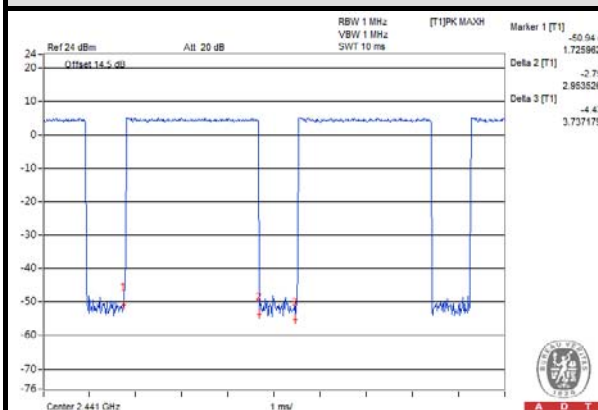
### DH1



### DH3



### DH5



**8DPSK**

Mode	Average Hopping Channel	Package Transfer Time (usec)	Result (sec)	Limit (sec)
DH1	8.70	410.256	0.11	0.4
DH3	5.40	1676.280	0.29	0.4
DH5	3.20	2926.280	0.30	0.4

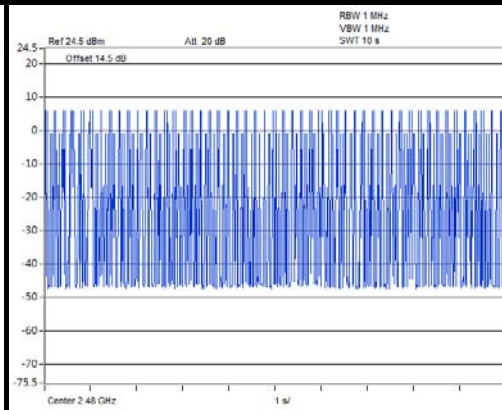
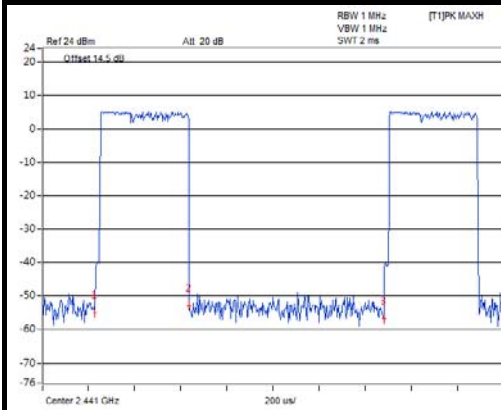
**NOTE:**

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79 channels come from the Hopping Channel number
3. Average Hopping Channel = hops/sweep time
4. t: Package Transfer Time(us)
5. Test plots of the transmitting time slot are shown on next page.

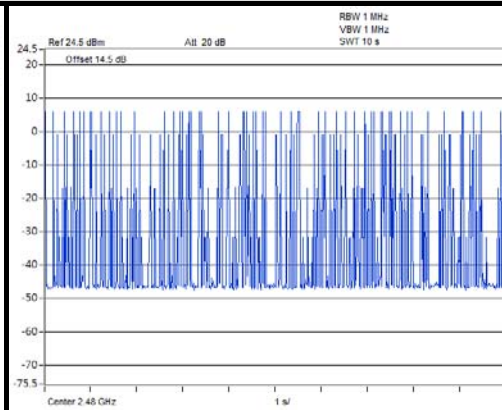
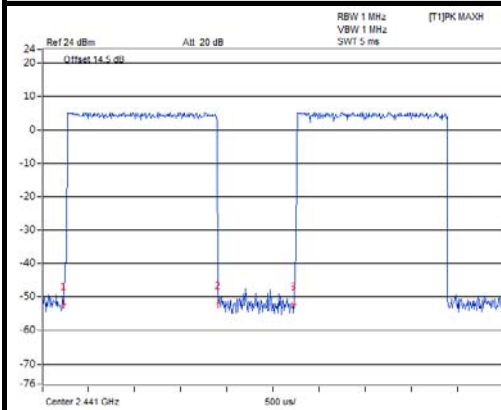


A D T

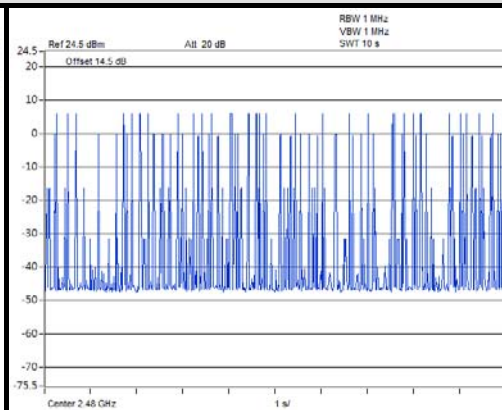
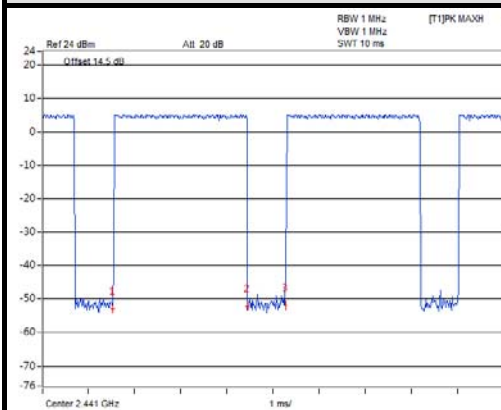
### DH1



### DH3



### DH5

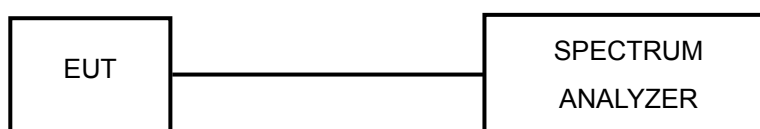


## 4.5 CHANNEL BANDWIDTH

### 4.5.1 LIMITS OF CHANNEL BANDWIDTH

For frequency hopping system operating in the 2400-2483.5MHz, If the 20dB bandwidth of hopping channel is greater than 25kHz, two-thirds 20dB bandwidth of hopping channel shall be a minimum limit for the hopping channel separation.

### 4.5.2 TEST SETUP



### 4.5.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

### 4.5.4 TEST PROCEDURE

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- Repeat above procedures until all frequencies measured were complete.

### 4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

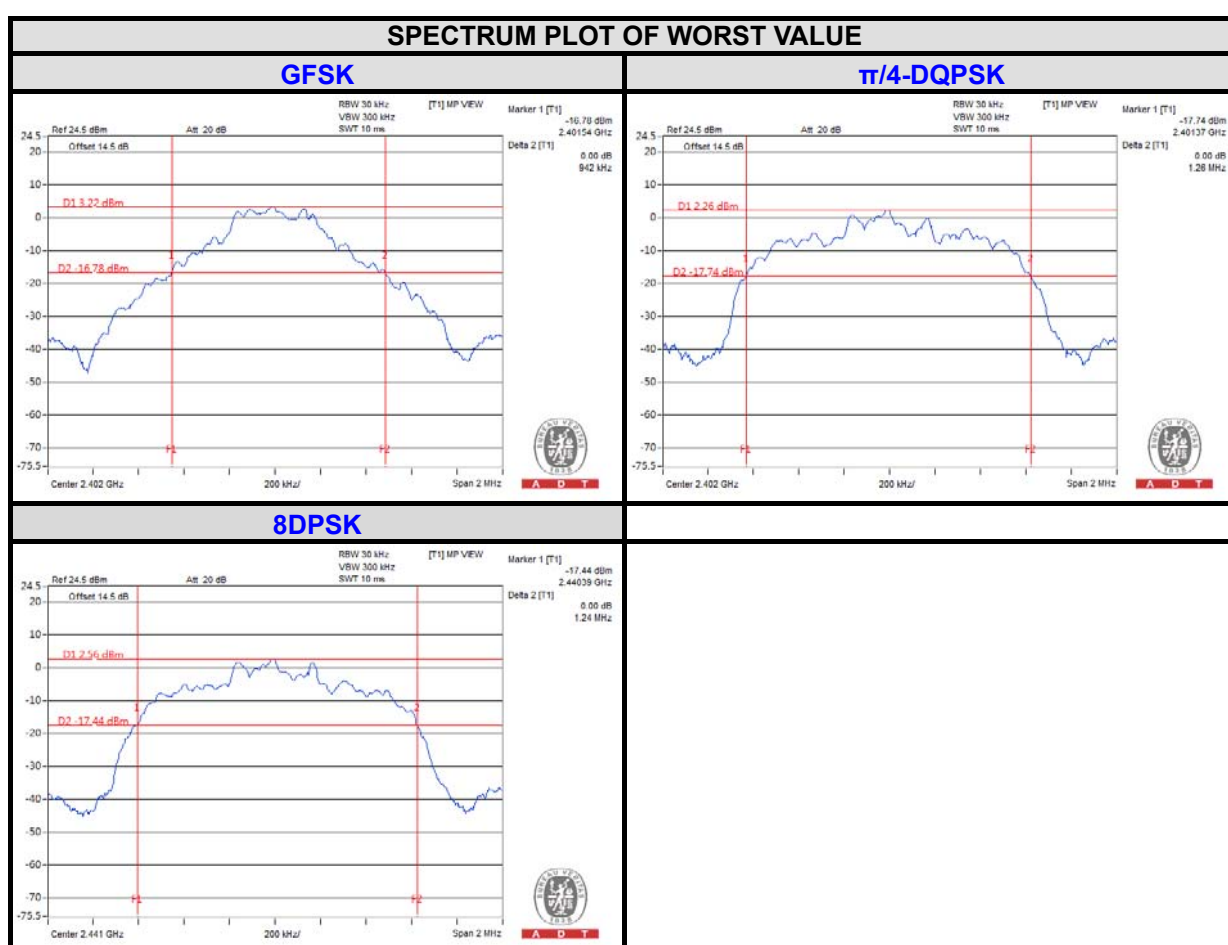
### 4.5.6 EUT OPERATING CONDITION

The software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.



## 4.5.7 TEST RESULTS

CHANNEL	FREQUENCY (MHz)	20dB BANDWIDTH (MHz)		
		GFSK	$\pi/4$ -DQPSK	8DPSK
0	2402	0.942	1.26	1.23
39	2441	0.942	1.26	1.24
78	2480	0.940	1.26	1.23

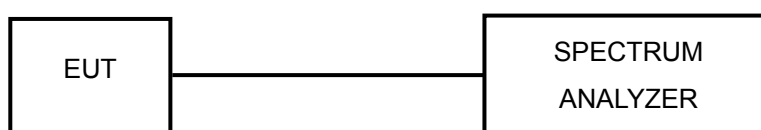


## 4.6 HOPPING CHANNEL SEPARATION

### 4.6.1 LIMIT OF HOPPING CHANNEL SEPARATION

At least 25kHz or two-third of 20dB hopping channel bandwidth (whichever is greater).

### 4.6.2 TEST SETUP



### 4.6.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

### 4.6.4 TEST PROCEDURES

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range.
- By using the MaxHold function record the separation of two adjacent channels.
- Measure the frequency difference of these two adjacent channels by SA MARK function. And then plot the result on SA screen.
- Repeat above procedures until all frequencies measured were complete.

### 4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.6.6 TEST RESULTS

##### GFSK

CHANNEL	FREQUENCY (MHz)	ADJACENT CHANNEL SEPARATION (MHz)	20dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.00	0.942	0.628	PASS
39	2441	1.00	0.942	0.628	PASS
78	2480	1.00	0.940	0.627	PASS

##### $\pi/4$ -DQPSK

CHANNEL	FREQUENCY (MHz)	ADJACENT CHANNEL SEPARATION (MHz)	20dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.00	1.26	0.840	PASS
39	2441	1.01	1.26	0.840	PASS
78	2480	1.00	1.26	0.840	PASS

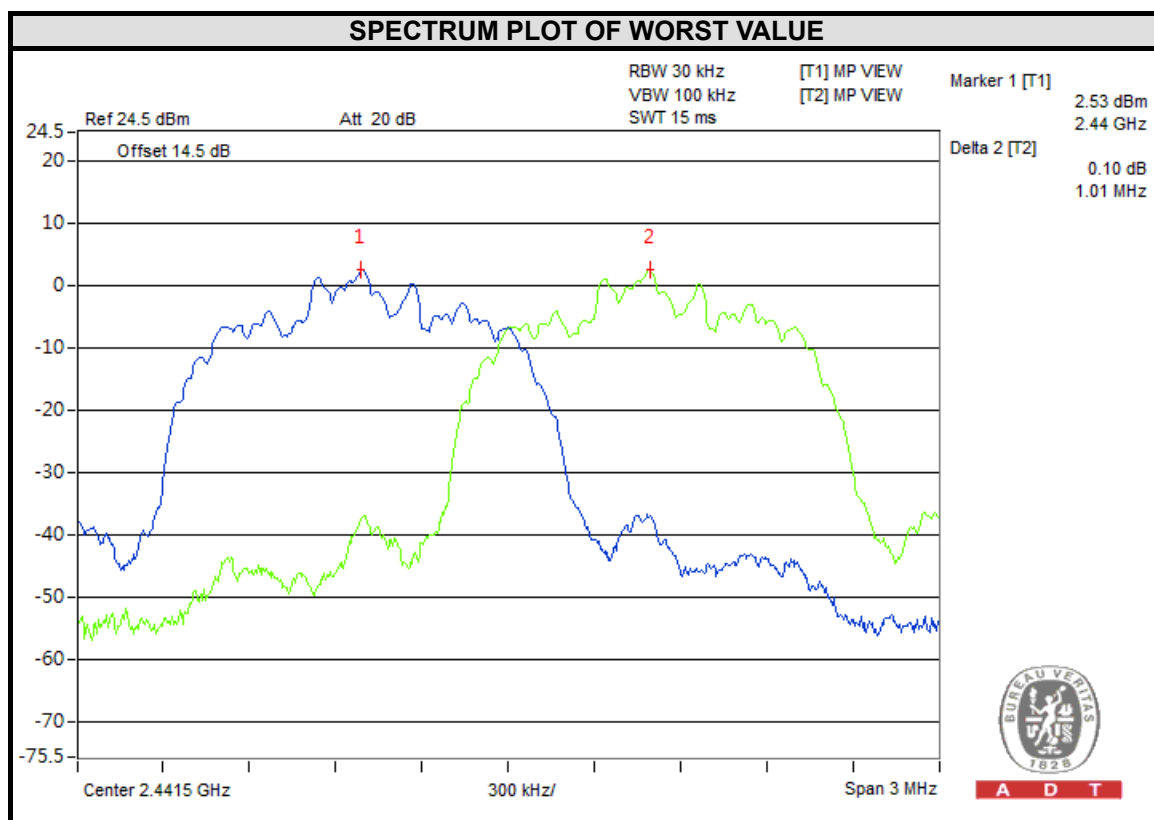
##### 8DPSK

CHANNEL	FREQUENCY (MHz)	ADJACENT CHANNEL SEPARATION (MHz)	20dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.00	1.23	0.820	PASS
39	2441	1.00	1.24	0.827	PASS
78	2480	1.00	1.23	0.820	PASS

**NOTE:** The minimum limit is two-third 20dB bandwidth.



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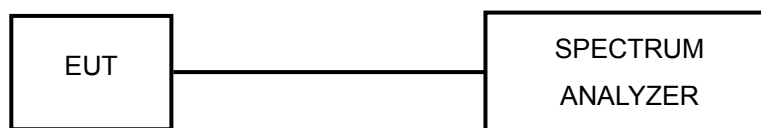


## 4.7 MAXIMUM OUTPUT POWER

### 4.7.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 125mW.

### 4.7.2 TEST SETUP



### 4.7.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

### 4.7.4 TEST PROCEDURES

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- The center frequency of the spectrum analyzer is set to the fundamental frequency and using 3MHz RBW and 10 MHz VBW.
- Measure the captured power within the band and recording the plot.
- Repeat above procedures until all frequencies required were complete.

### 4.7.5 DEVIATION FROM TEST STANDARD

No deviation.

### 4.7.6 EUT OPERATING CONDITION

The software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

#### 4.7.7 TEST RESULTS

##### GFSK

CHANNEL	CHANNEL FREQUENCY (MHz)	OUTPUT POWER (W)	OUTPUT POWER (dBm)	POWER LIMIT (mW)	PASS/FAIL
0	2402	0.0044	6.41	125	PASS
39	2441	0.0048	6.81	125	PASS
78	2480	0.0051	7.06	125	PASS

##### $\pi/4$ -DQPSK

CHANNEL	CHANNEL FREQUENCY (MHz)	OUTPUT POWER (W)	OUTPUT POWER (dBm)	POWER LIMIT (mW)	PASS/FAIL
0	2402	0.0038	5.81	125	PASS
39	2441	0.0042	6.20	125	PASS
78	2480	0.0044	6.42	125	PASS

##### 8DPSK

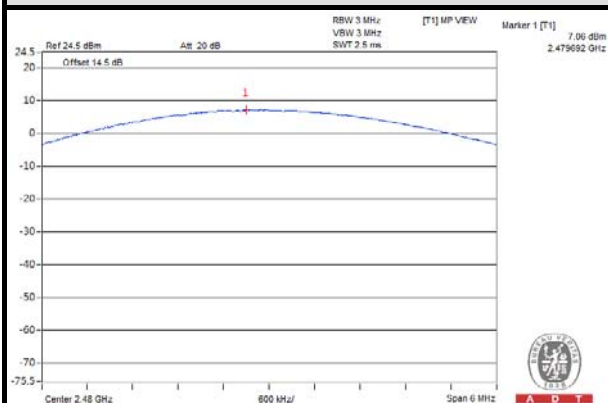
CHANNEL	CHANNEL FREQUENCY (MHz)	OUTPUT POWER (W)	OUTPUT POWER (dBm)	POWER LIMIT (mW)	PASS/FAIL
0	2402	0.0041	6.12	125	PASS
39	2441	0.0045	6.54	125	PASS
78	2480	0.0048	6.77	125	PASS



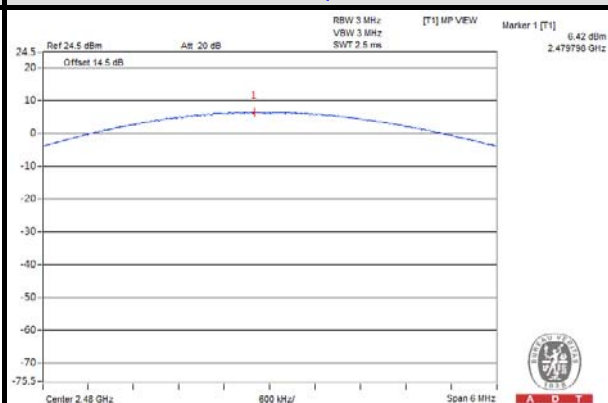
A D T

## SPECTRUM PLOT OF WORST VALUE

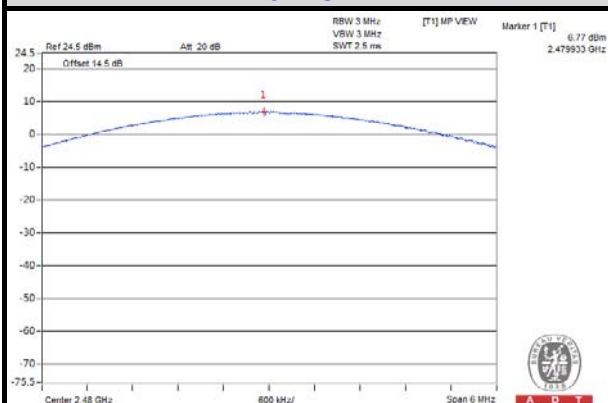
### GFSK



### $\pi/4$ -DQPSK



### 8DPSK



## **4.8 CONDUCTED OUT OF BAND EMISSION MEASUREMENT**

### **4.8.1 LIMITS OF CONDUCTED OUT OF BAND EMISSION MEASUREMENT**

Below -20dB of the highest emission level of operating band (in 100KHz RBW).

### **4.8.2 TEST INSTRUMENTS**

Refer to section 4.1.2 to get information of above instrument.

### **4.8.3 TEST PROCEDURE**

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges were measured and recorded.

### **4.8.4 DEVIATION FROM TEST STANDARD**

No deviation.

### **4.8.5 EUT OPERATING CONDITION**

The software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

### **4.8.6 TEST RESULTS**

The spectrum plots are attached on the following images. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

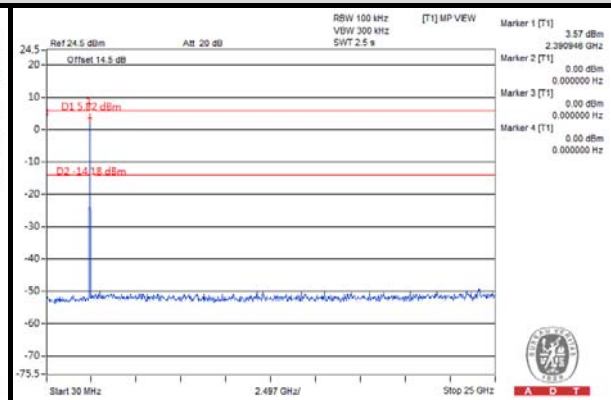
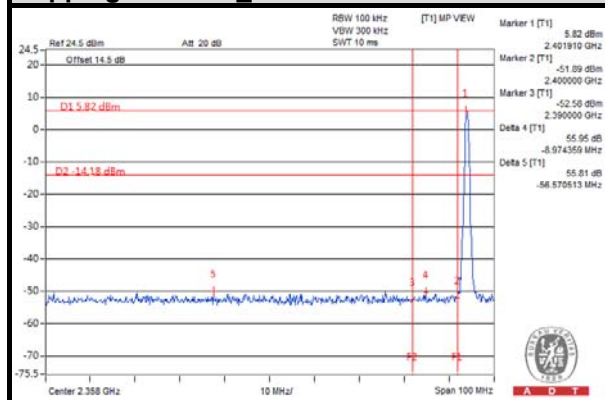




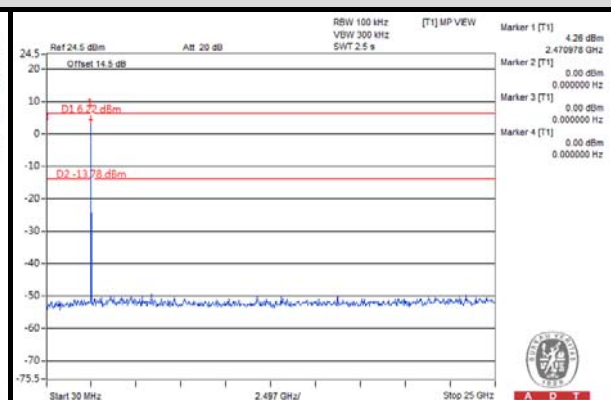
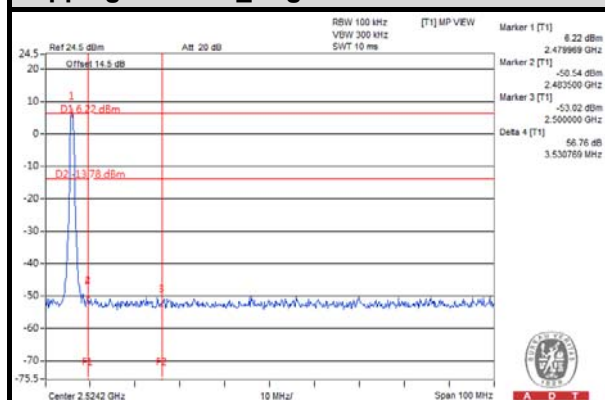
A D T

## GFSK

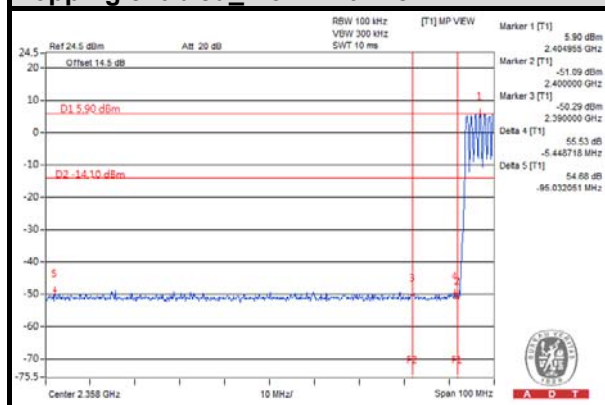
### Hopping disabled\_ Low Channel



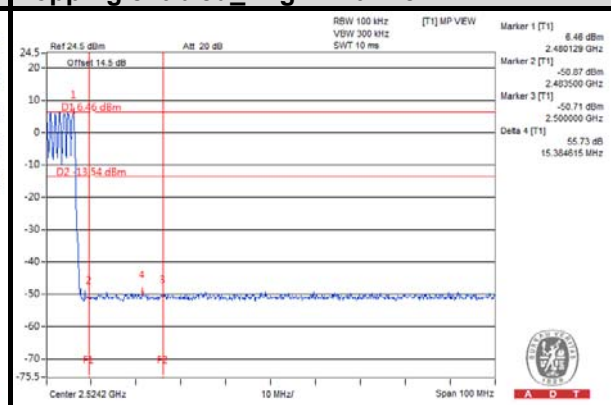
### Hopping disabled\_ High Channel



### Hopping enabled\_ Low Channel



### Hopping enabled\_ High Channel

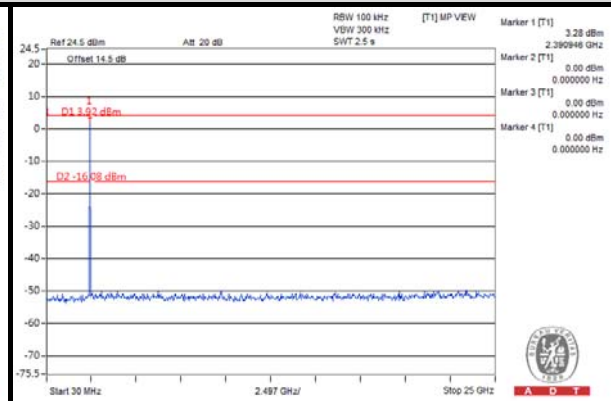
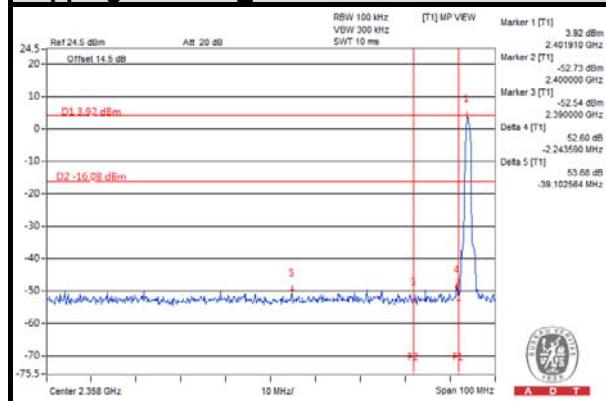




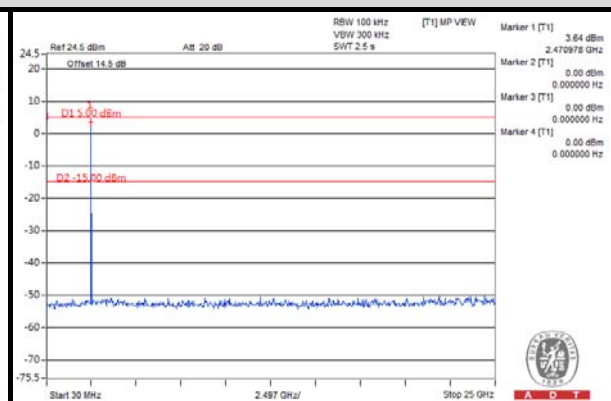
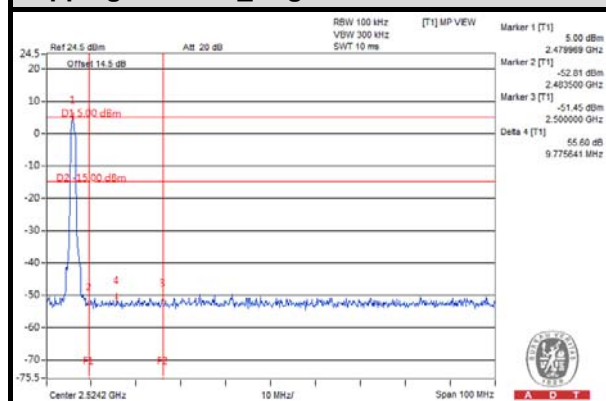
A D T

## $\pi/4$ -DQPSK

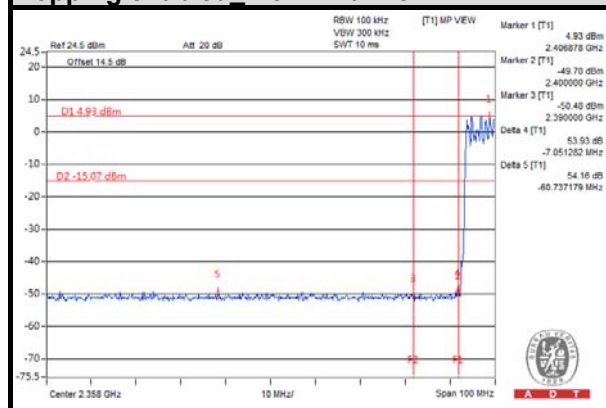
### Hopping disabled\_Low Channel



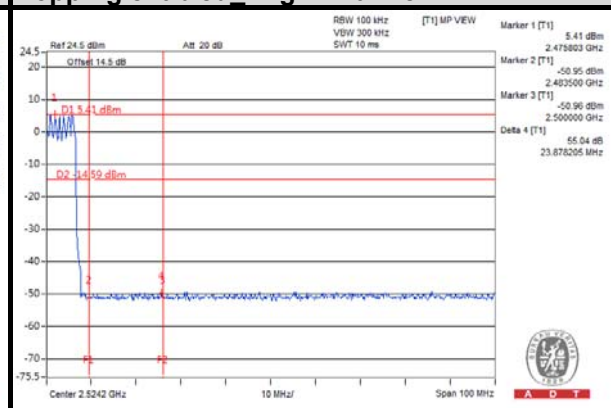
### Hopping disabled\_High Channel



### Hopping enabled\_Low Channel



### Hopping enabled\_High Channel

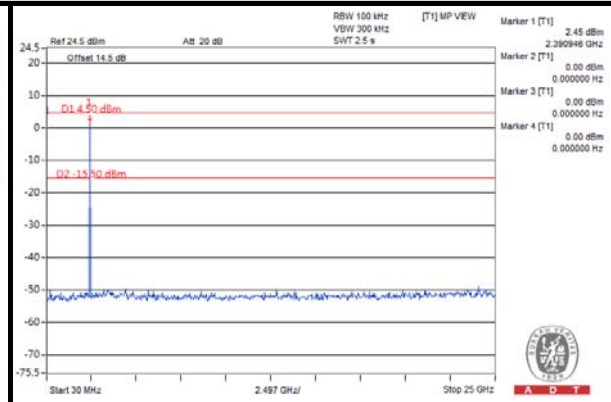
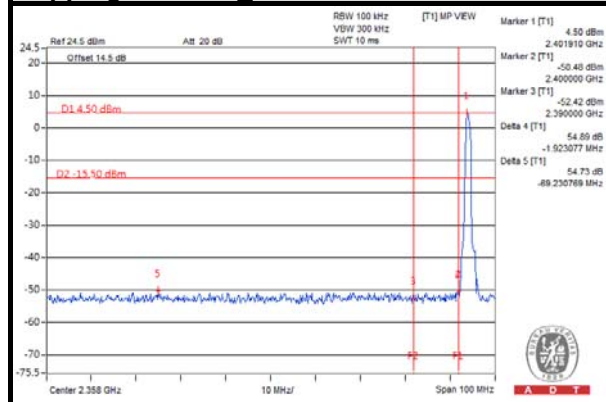




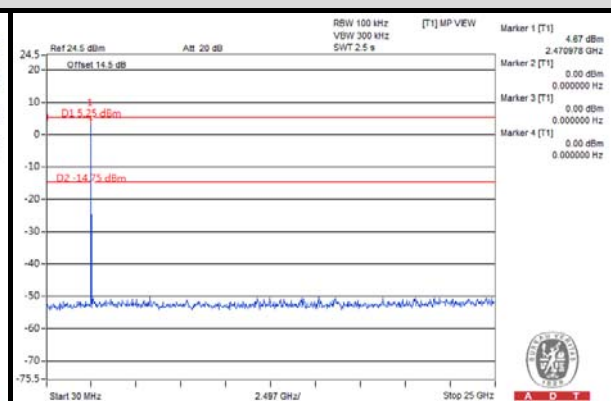
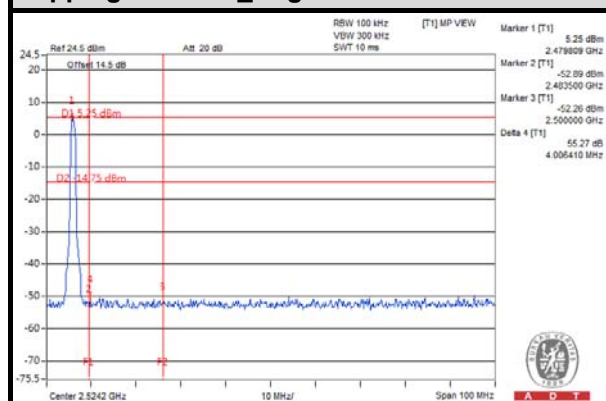
A D T

## 8DPSK

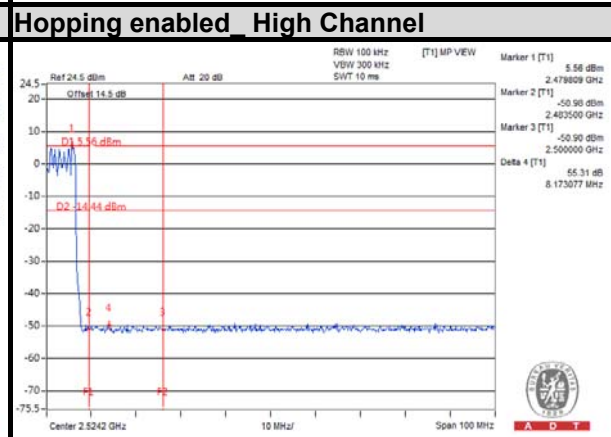
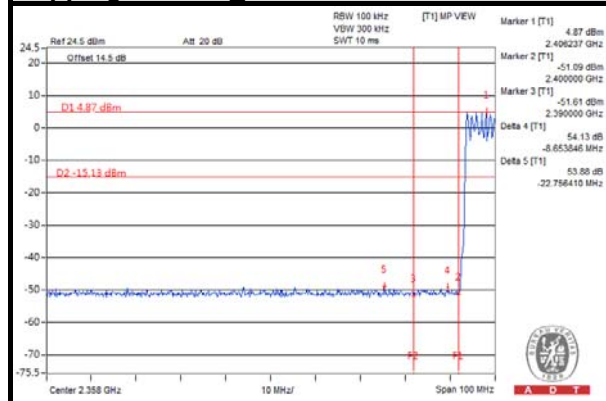
### Hopping disabled\_Low Channel



### Hopping disabled\_High Channel



### Hopping enabled\_Low Channel



## 5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

## 6. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

**Linko EMC/RF Lab:**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF Lab:**

Tel: 886-3-5935343

Fax: 886-3-5935342

**Hwa Ya EMC/RF/Safety Telecom Lab:**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

The address and road map of all our labs can be found in our web site also.

## **7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications are made to the EUT by the lab during the test.

**--- END ---**