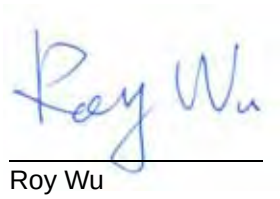
FCC TEST REPORT

for

47 CFR Part 15 Subpart C

Equipment	:	**iHome Wireless - Wake, talk, and play your music with Bluetooth**
Trade Name	:	**iHome**
Model No.	:	**iHC5X ("X" denoted as the color of the cabinet)**
FCC ID	:	**EMOIHC5**
Filing Type	:	**Certification**
Applicant	:	**SDI TECHNOLOGIES INC.** 1299, MAIN STREET, RAHWAY, NJ 07065, U.S.A.

- The test result refers exclusively to the test presented test model / sample.
- Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.
- **Certificate or Test Report must not be used by the applicant to claim the product in this test report endorsement by NVLAP or any agency of U.S. government.**
- The data shown in this test report were carried out on Apr. 11, 2007 at **Sporton International Inc. LAB.**
- Report No.: FR732101, Report Version: Rev. 01.



Roy Wu
Deputy Manager

SPORTON International Inc.

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History of this test report

Report Issue Date: Apr. 19, 2007

Report No.	Description

1. General Description of Equipment under Test

1.1. Applicant

SDI TECHNOLOGIES INC.
1299, MAIN STREET, RAHWAY, NJ 07065, U.S.A.

1.2. Manufacturer

Prime Technology (Guangzhou) Inc.
No. 19, Baoying Nan Road, Guangzhou Free Trade Zone, Peoples Republic of China 510730

1.3. Basic Description of Equipment under Test

Equipment : iHome Wireless - Wake, talk, and play your music with Bluetooth
Trade Name : iHome
Model No. : iHC5X ("X" denoted as the color of the cabinet)
FCC ID : EMOIHC5
Power Supply Type : From system

1.4. Feature of Equipment under Test

Product Feature & Specification				
1. Modulation Type/Data Rate	GFSK			
2. Frequency Range.	2400 MHz ~ 2483.5 MHz			
3. Number of Channels	79			
4. Carrier Frequency of each channel	2402+ n*1 MHz, n= 0~78			
5. Channel Spacing	1 MHz			
6. Maximum Output Power to Antenna (Normal condition)	0.53 dBm			
7. Type of Antenna Connector	N/A			
8. Antenna Type	Fixed Internal			
9. Antenna Gain	2 dBi			
10. Function Type	Transmitter		Transceiver	V
11. DUT Stage	Identical Prototype			

2. Test Configuration of Equipment under Test

2.1. Test Manner

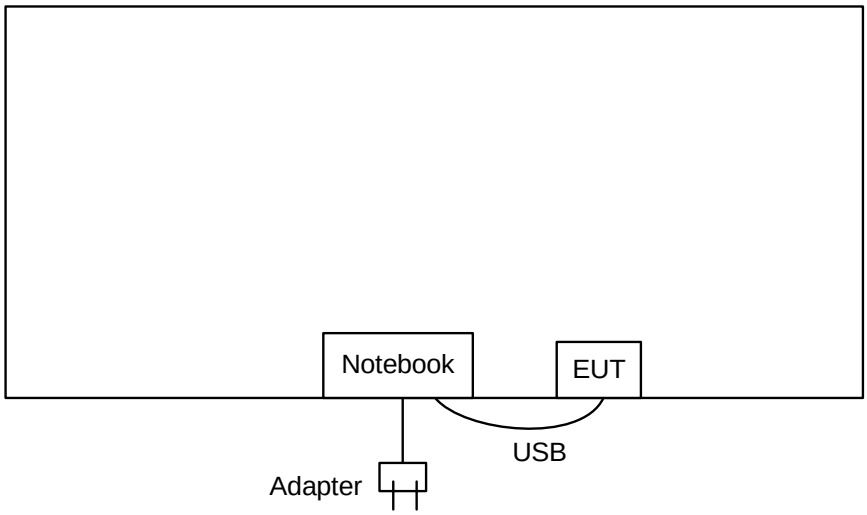
a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.
b. For spurious emission below 1GHz, only one channel of each application was tested because it is not related to channel selection.
c. The EUT is programmed to transmit signal continuously for all testings.
d. Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2. Test Mode

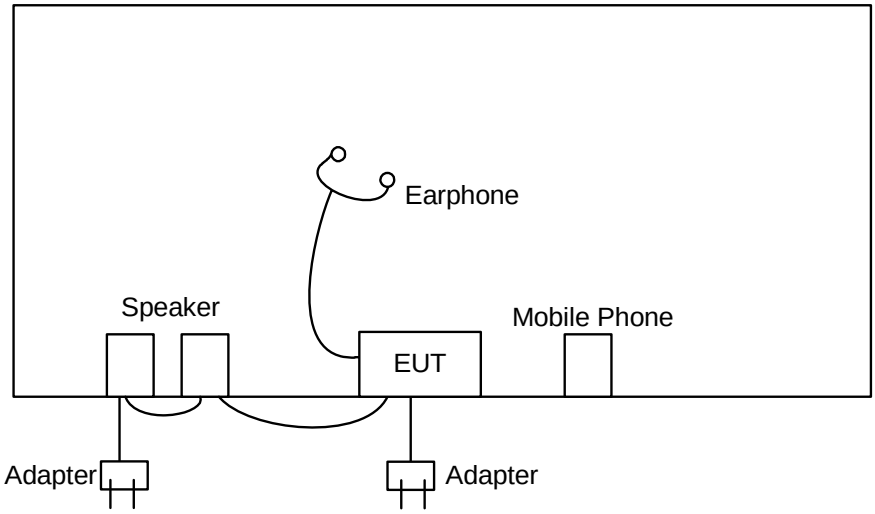
Application	Bluetooth
Radiated Emission	Mode 1: Tx_CH00_2402 MHz Mode 2: Tx_CH39_2441 MHz Mode 3: Tx_CH78_2480 MHz
Conducted Emission	Mode 1: BT Idle Mode + Speaker + Earphone + Adapter

2.3. Connection Diagram of Test System

<Radiated Emission>



<Conducted Emission>



2.4. Ancillary Equipment List

Item	Equipment	Model No.	Serial No.
1.	Notebook (DELL)	D400	N/A
2.	Earphone (Sampo)	EK-Y652CS	1.8 m
3.	Mobile Phone (Sony Ericsson)	W810i	N/A
4.	Speaker	KTSK9022	N/A

3. RF Utility

The EUT is in BT Link mode with mobile phone for conducted emission or in BT continuous Tx Mode controlled by base station simulator for radiation emission.

4. General Information of Test

Test Site Location	:	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
Test Site No	:	CO01-HY, 03CH06-HY

4.1. Test Voltage

AC 120V

4.2. Standard for Methods of Measurement

ANSI C63.4-2003

4.3. Test in Compliance with

47 CFR Part 15 Subpart C

4.4. Frequency Range Investigated

Conduction: from 150 kHz to 30 MHz
Radiation: from 30 MHz to 25000MHz

4.5. Test Distance

The test distance of radiated emission from antenna to EUT is 3 m.

5. Report of Measurements and Examinations

5.1. List of Measurements and Examinations

FCC Rule	Description of Test	Result	Section
15.247(a)(1)	Hopping Channel Separation	Pass	5.2
15.247(a)(1)(iii)	Number of Hopping Frequency Used	Pass	5.3
15.247(a)(1)	Hopping Channel Bandwidth	Pass	5.4
15.247(a)(1)(iii)	Dwell Time of Each Frequency	Pass	5.5
15.247(b)(1)	Output Power	Pass	5.6
15.247(c)	100kHz Bandwidth of Frequency Band Edges	Pass	5.7
15.207	Conducted Emission	Pass	5.8
15.209	Radiated Emission	Pass	5.9
15.203	Antenna Requirement	Pass	5.10

5.2. Hopping Channel Separation

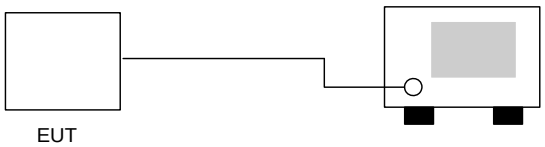
5.2.1. Measuring Instruments：

As described in chapter 6 of this test report.

5.2.2. Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 30kHz and VBW to 100kHz.
3. The Hopping Channel Separation is defined as the channel is separated with the next channel.

5.2.3. Test Setup Layout：



5.2.4. Test Result：The spectrum analyzer plots are attached as below

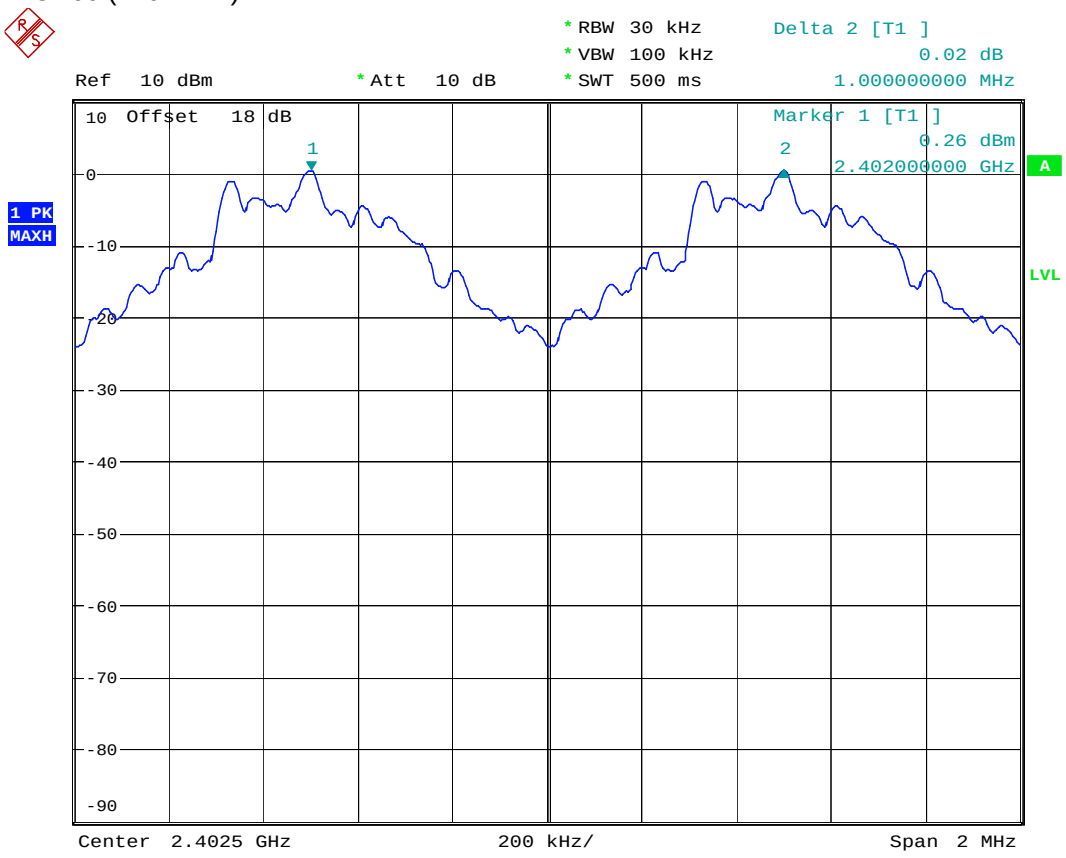
- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

Channel	Frequency (MHz)	Hopping Channel Separation (MHz)	Limits (MHz)	Plot Ref. No.
00	2402	1.000	0.826	Mode 1
39	2441	1.000	0.831	Mode 2
78	2480	1.003	0.833	Mode 3

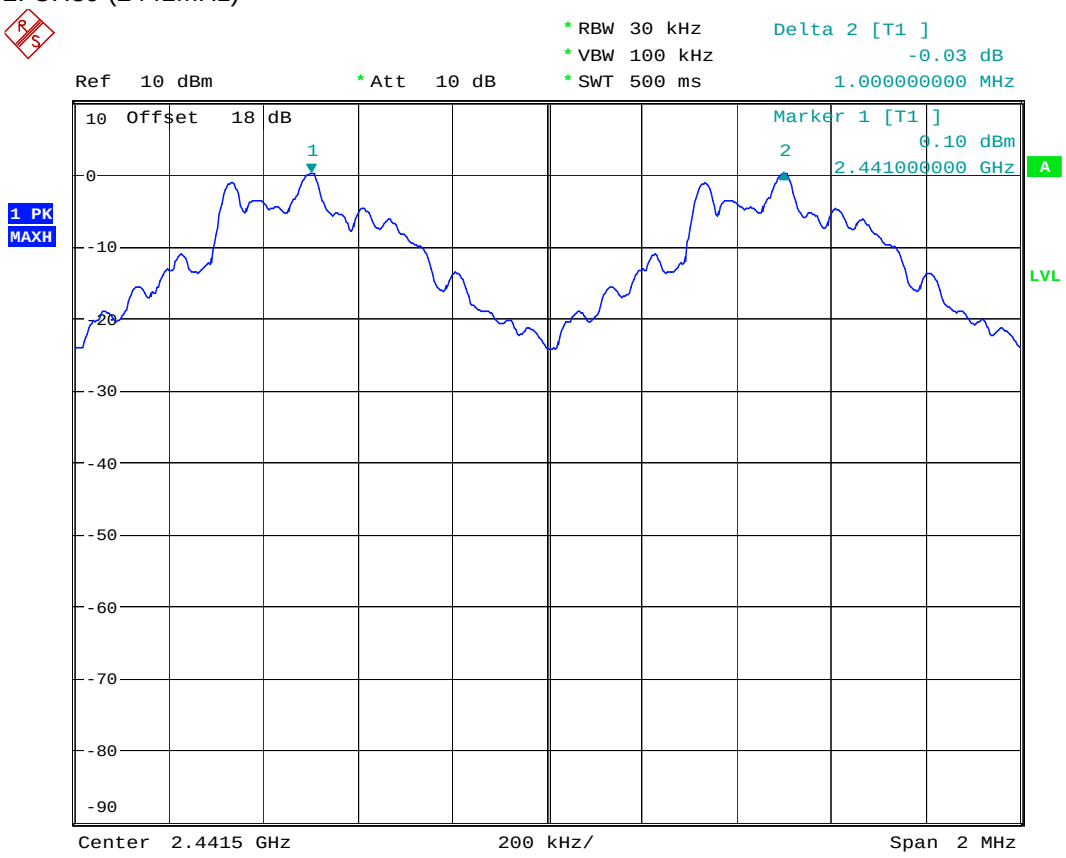
Remark: Limit is the greater one of 25kHz or the 20dB bandwidth of the hopping channel.

5.2.5 Hopping Channel Separation

Mode 1: CH00 (2402MHz)



Mode 2: CH39 (2441MHz)



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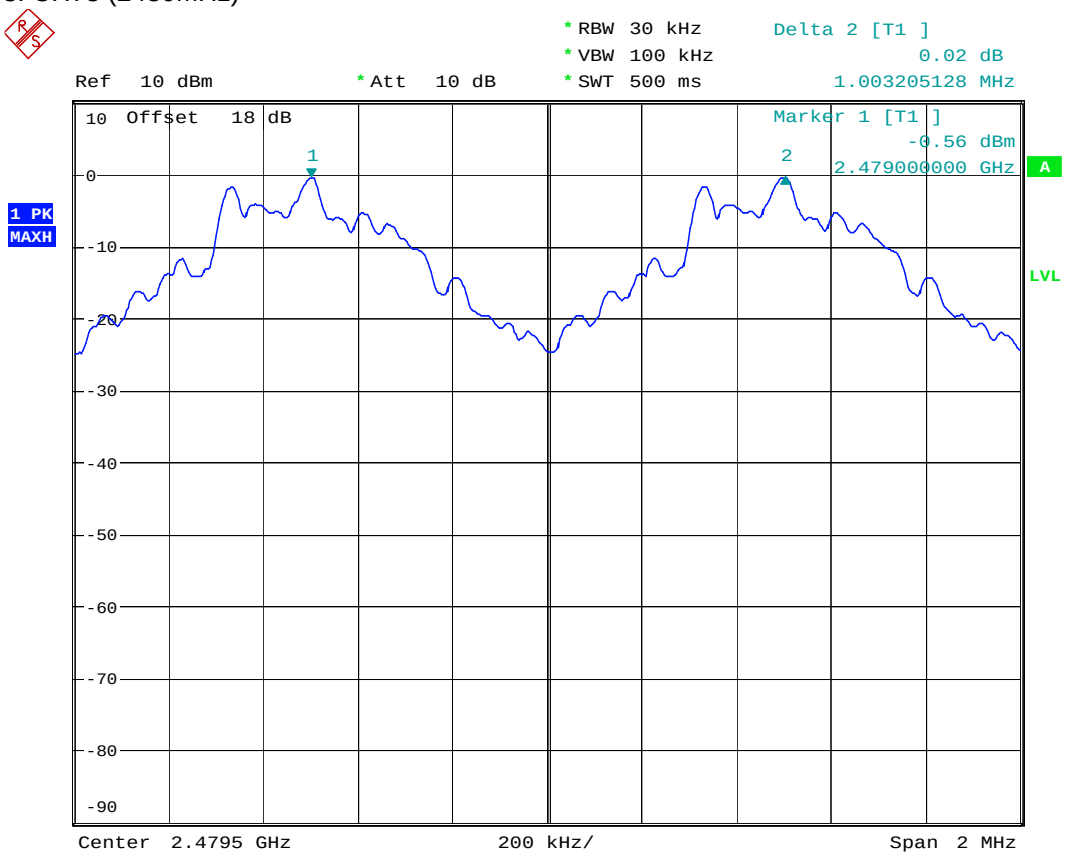
Mode 3: CH78 (2480MHz)



Date: 29.MAR.2007 21:01:17

5.3. Number of Hopping Frequency

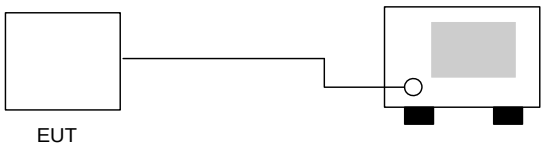
5.3.1. Measuring Instruments：

As described in chapter 6 of this test report.

5.3.2. Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The number of hopping frequency used is defined as the device has the numbers of total channel.

5.3.3. Test Setup Layout：

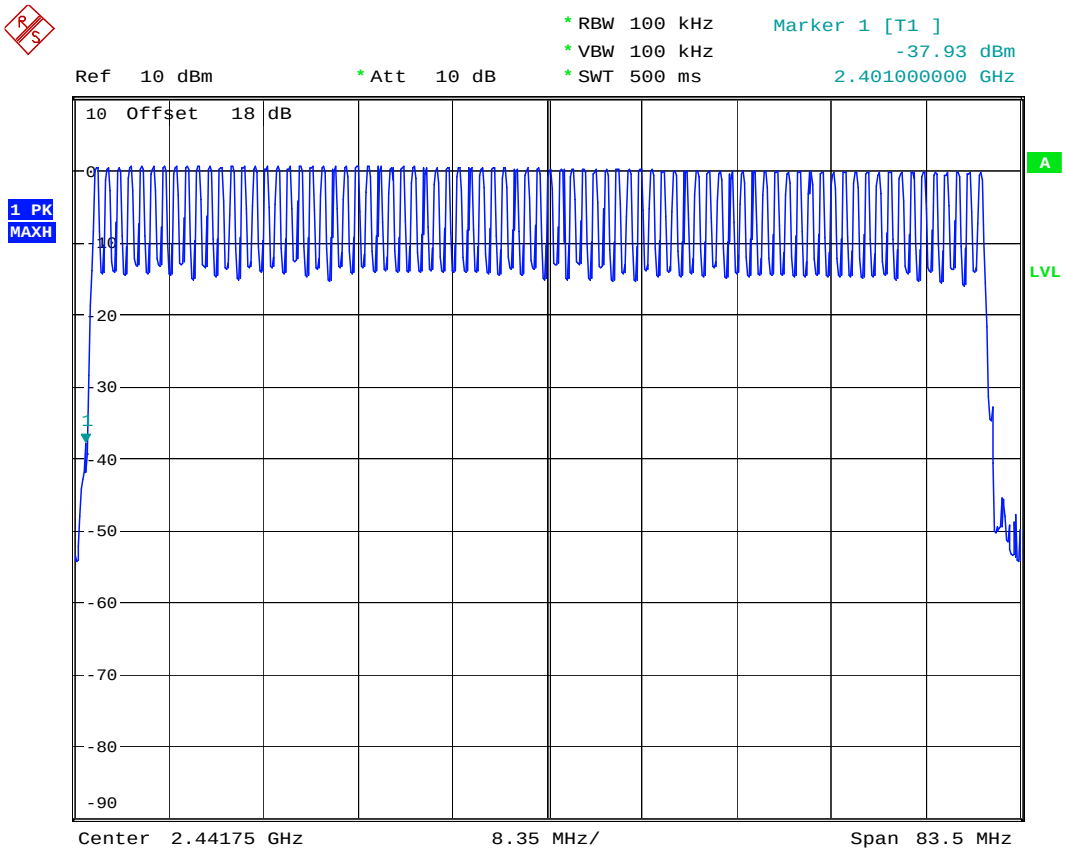


5.3.4. Test Result：See spectrum analyzer plots below

- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

Number of Hopping Frequency (Channel)	Limits (Channel)
79	15

5.3.5 Number of Hopping Frequency



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5.4 Hopping Channel Bandwidth

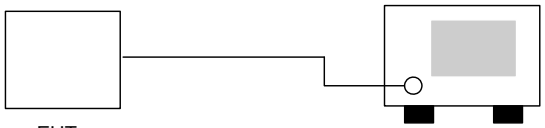
5.4.1 Measuring Instruments：

As described in chapter 6 of this test report.

5.4.2 Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 30kHz and VBW to 300kHz.
3. The Hopping Channel bandwidth is defined as the frequency range where the power is higher than peak power minus 20dB.

5.4.3 Test Setup Layout：



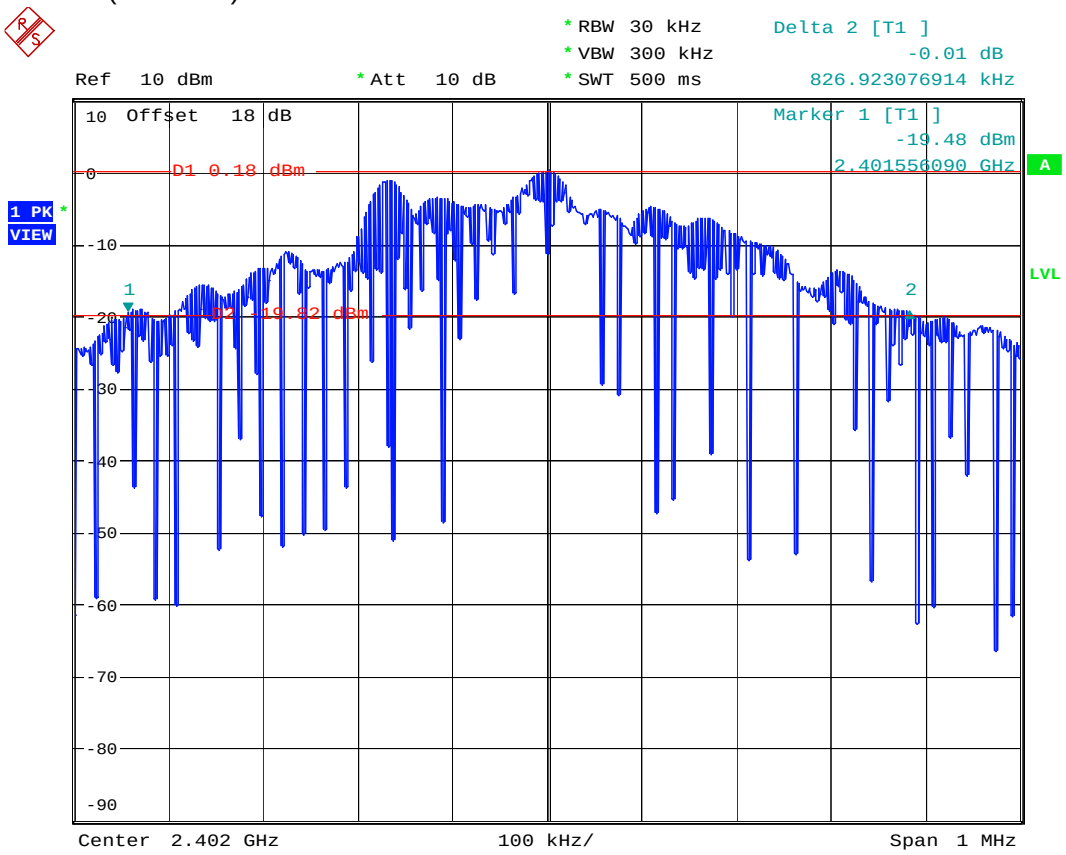
5.4.4 Test Result：See spectrum analyzer plots below

- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

Channel	Frequency (MHz)	Hopping Channel Bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
00	2402	0.827	1.0	Mode 1
39	2441	0.831	1.0	Mode 2
78	2480	0.833	1.0	Mode 3

5.4.5 Hopping Channel Bandwidth

Mode 1: CH00 (2402MHz)



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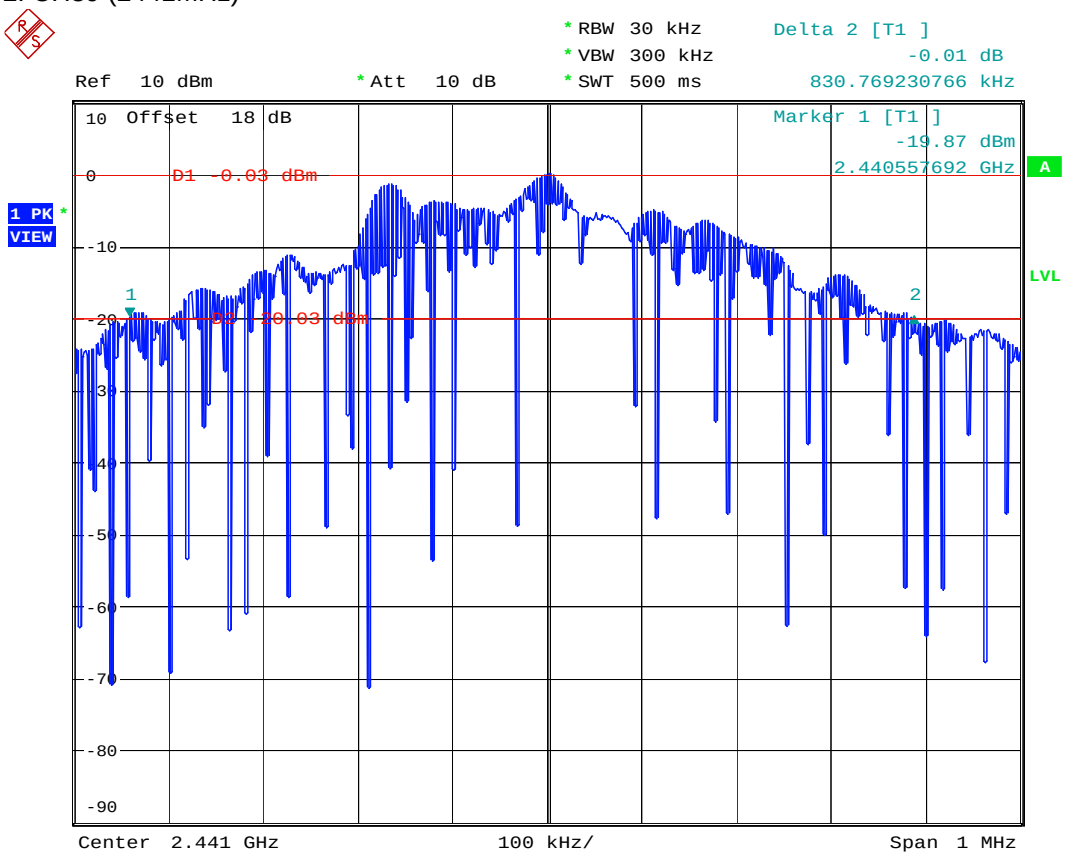
Mode 2: CH39 (2441MHz)



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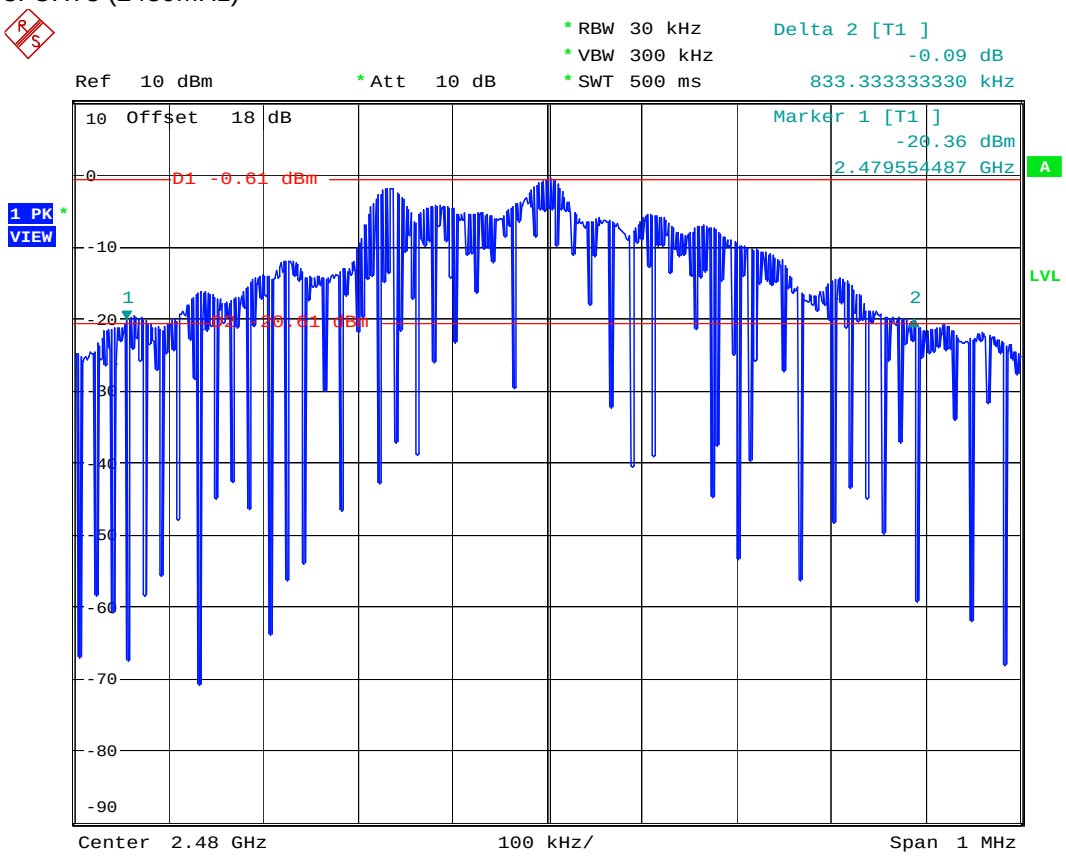
Mode 3: CH78 (2480MHz)



Date: 29.MAR.2007 20:39:47

5.5 Dwell Time of Each Frequency within a 30 Seconds Period

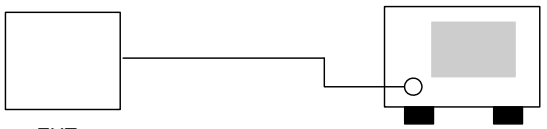
5.5.1 Measuring Instruments：

As described in chapter 6 of this test report.

5.5.2 Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
3. Set the center frequency on any frequency would be measured and set the frequency span to zero span.
4. The equation = 30*(1600/79)*t (t = the time duration of one single pulse)

5.5.3 Test Setup Layout：



5.5.4 Test Result：See spectrum analyzer plots below

- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

Ch00

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10.2	634.61	0.205	0.4
DH3	5.1	1722.75	0.278	0.4
DH5	3.4	2996.79	0.322	0.4

CH39

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10	701.92	0.222	0.4
DH3	5.1	1722.75	0.278	0.4
DH5	3.4	3012.82	0.324	0.4

CH78

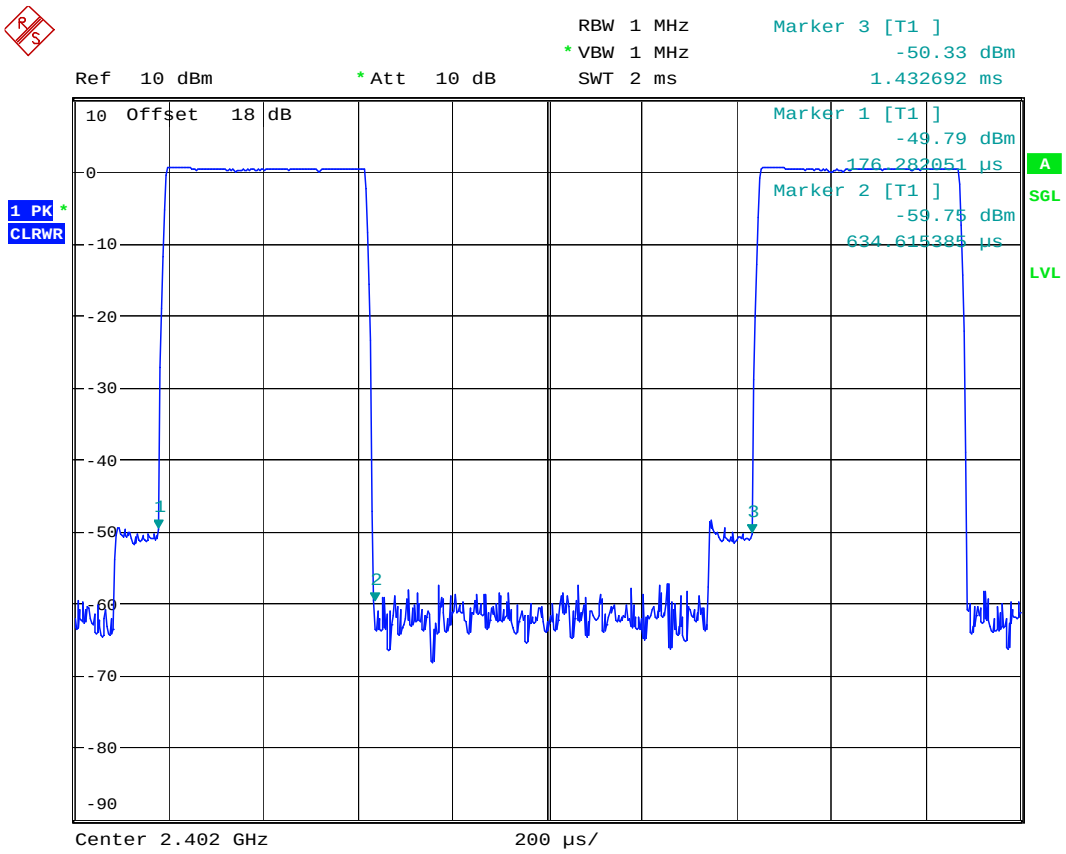
Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10.1	634.61	0.203	0.4
DH3	5	1730.76	0.273	0.4
DH5	3.4	2996.79	0.322	0.4

※ Remark:

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79channels come from the Hopping Channel number.
3. Average Hopping Channel = hops/sweep time
4. t: Package Transfer Time(us)

5.5.5 Dwell Time

DH1 (CH00)



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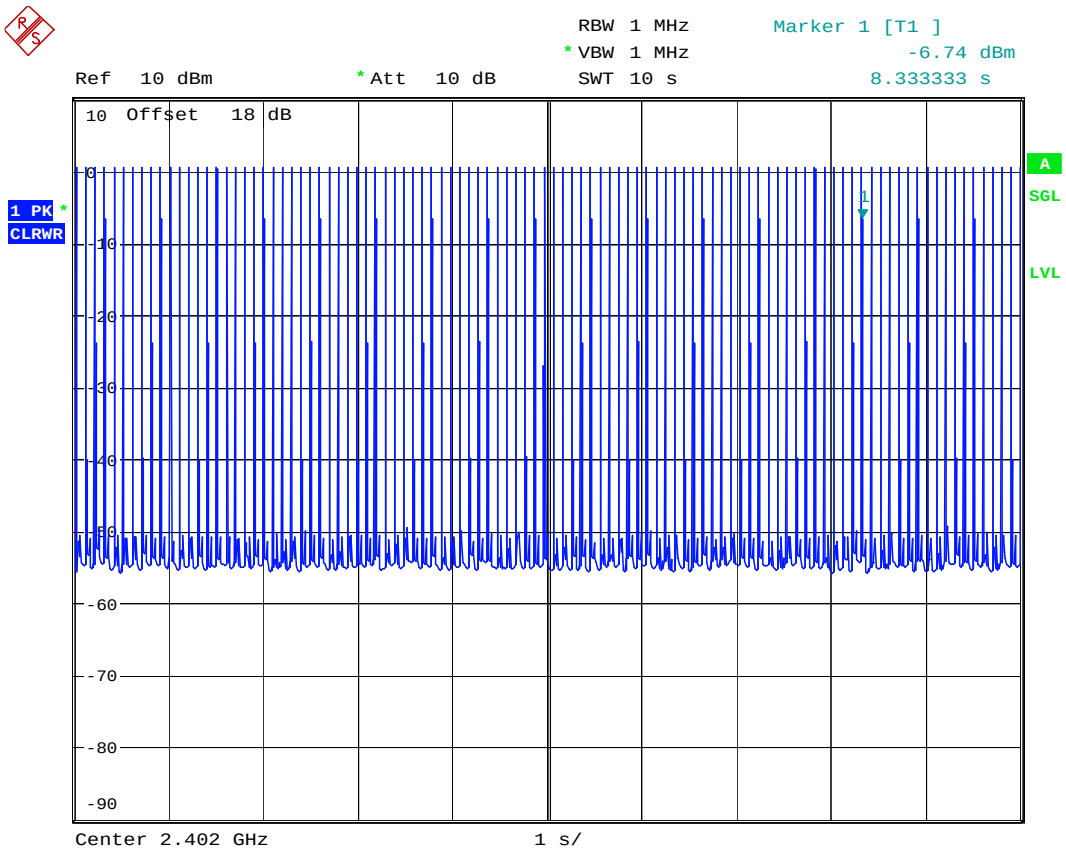
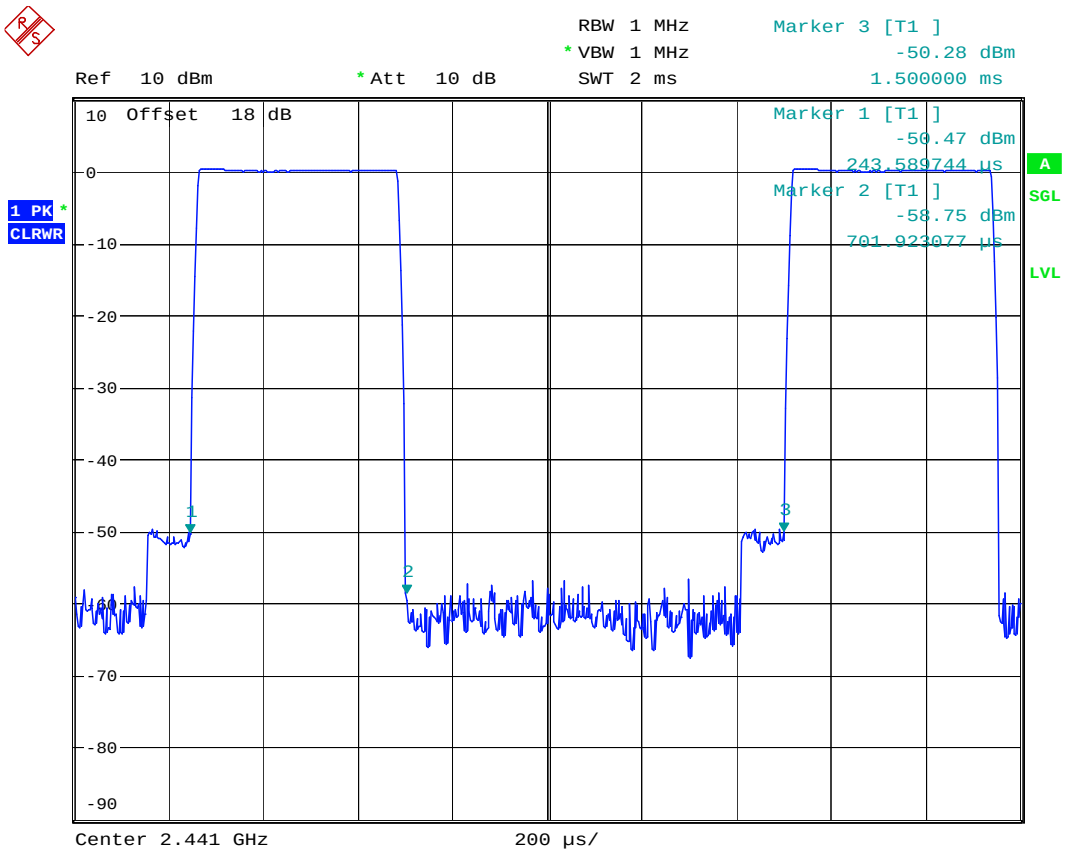


Date: 29.MAR.2007 21:33:10

DH1 (CH39)



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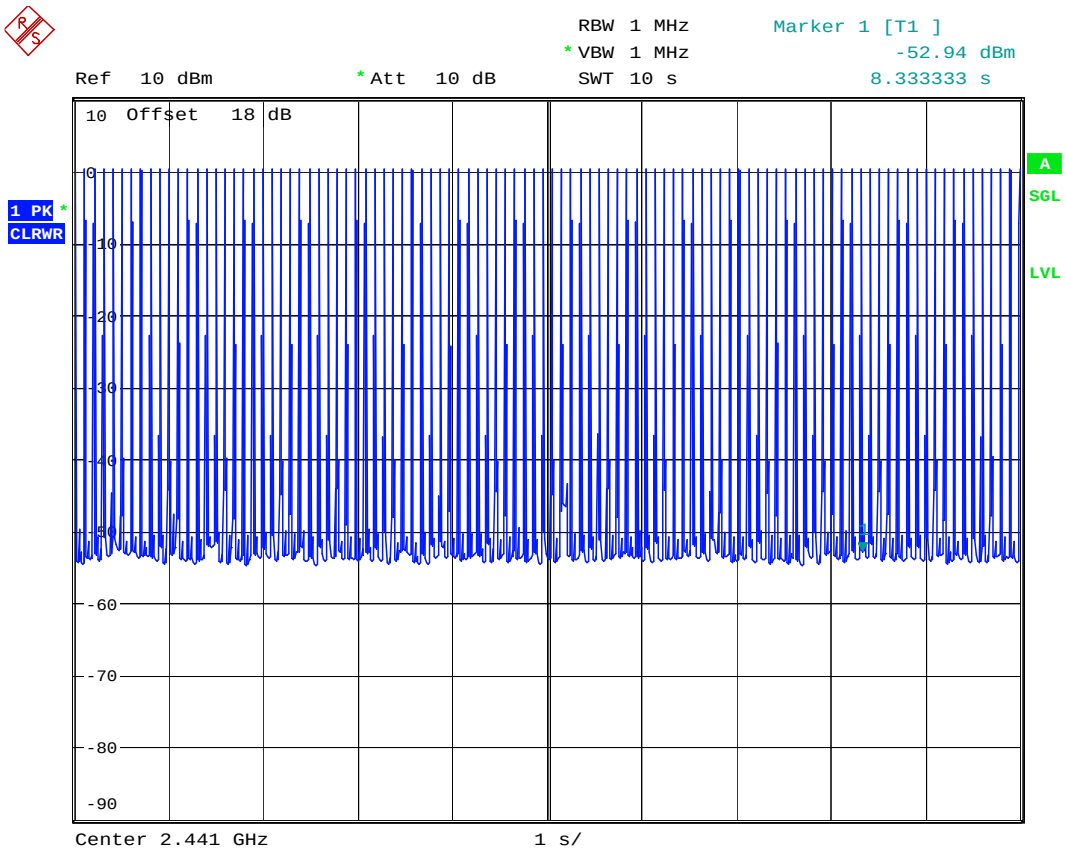

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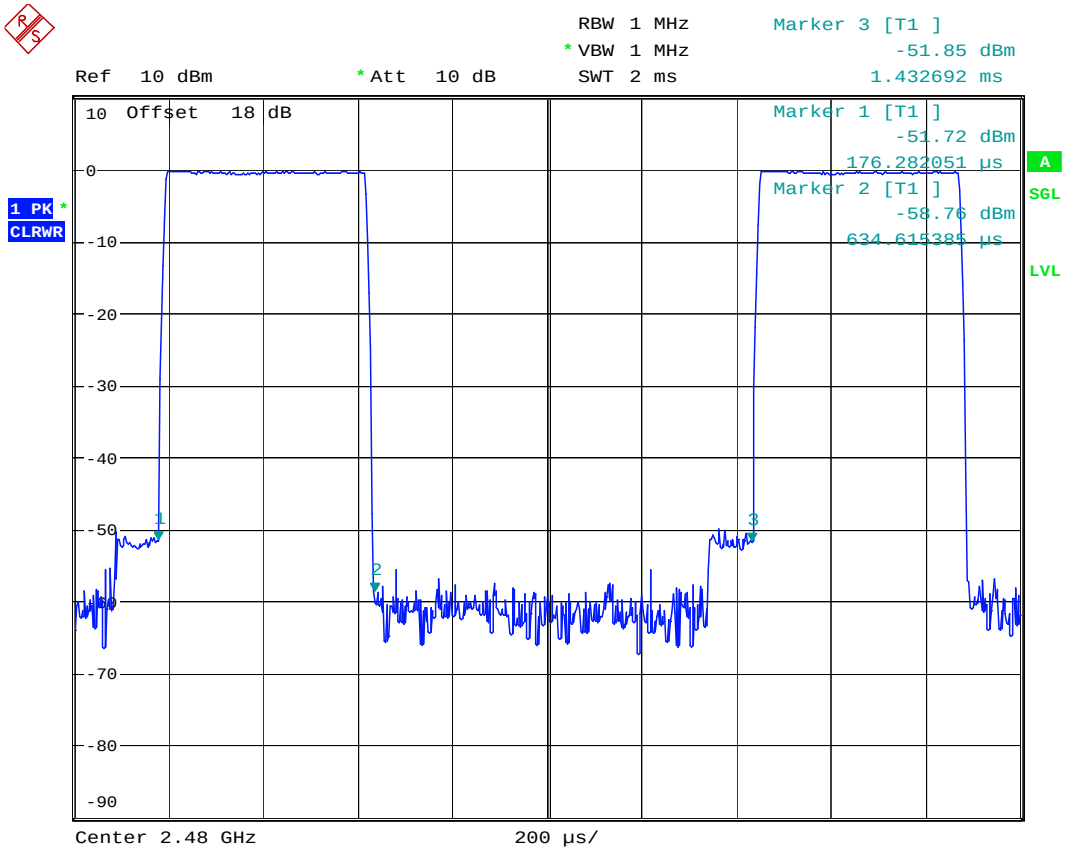
DH1 (CH78)



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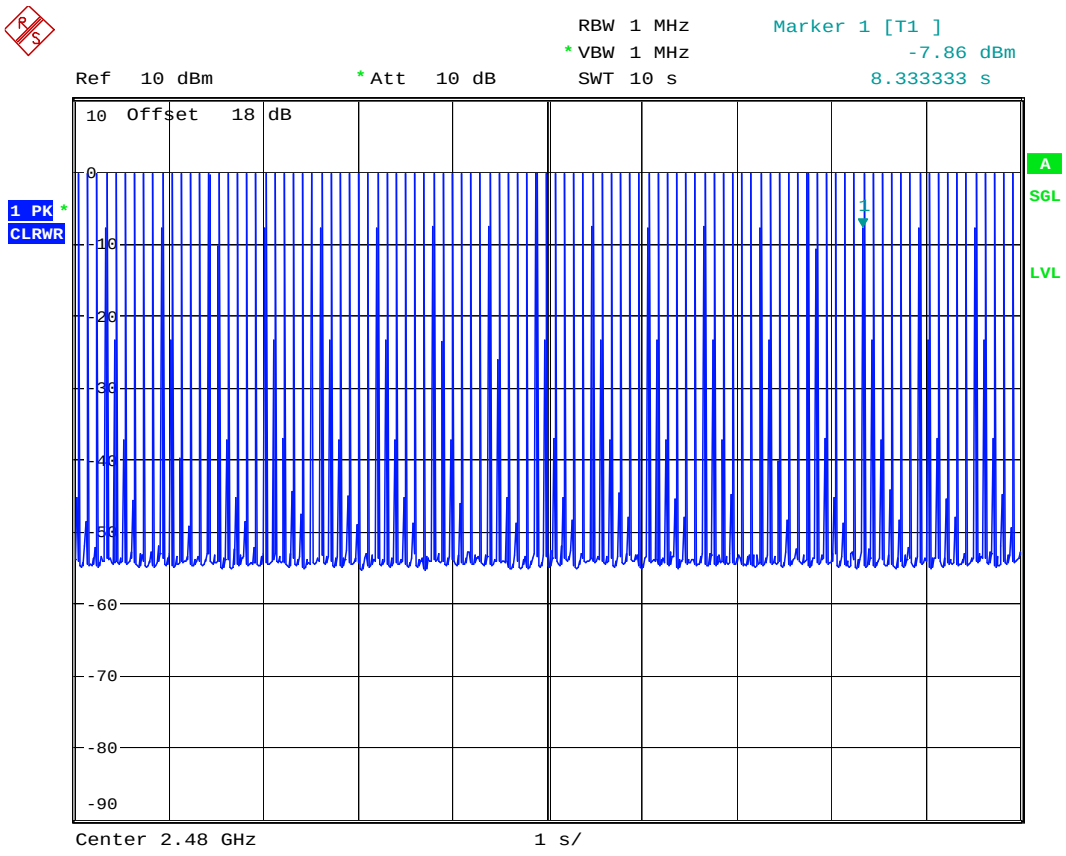

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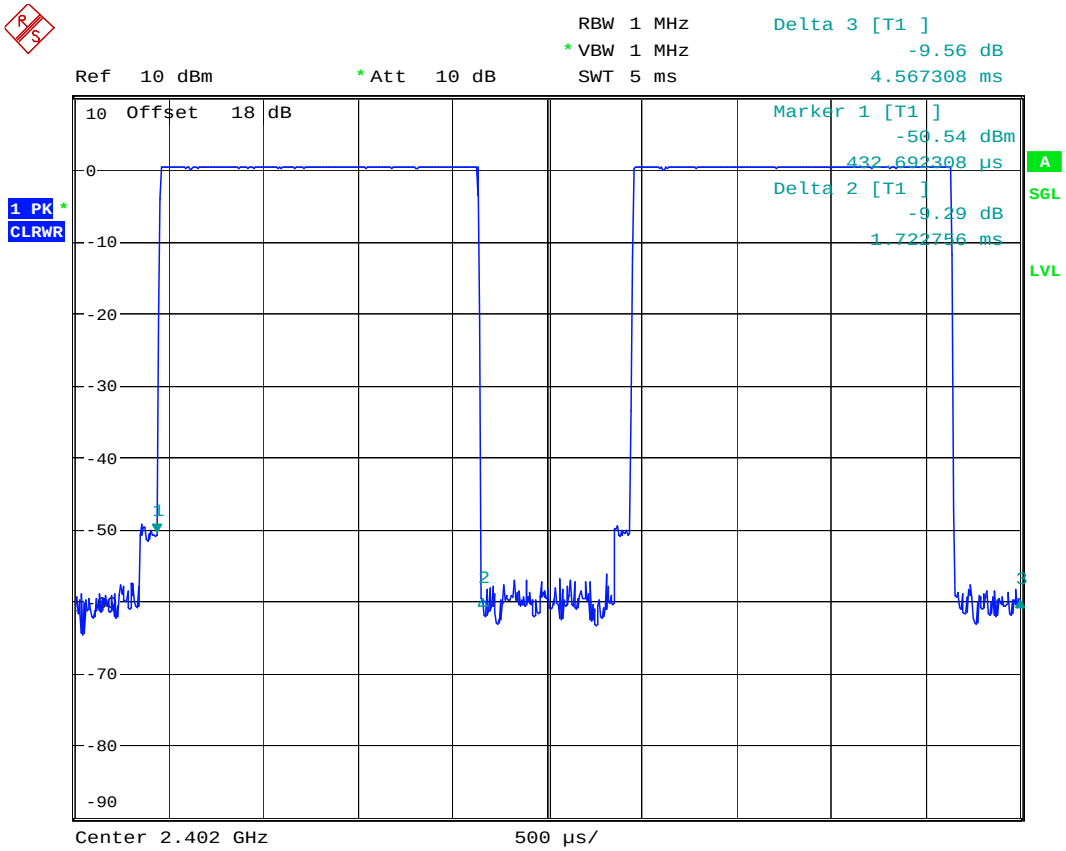
DH3 (CH00)



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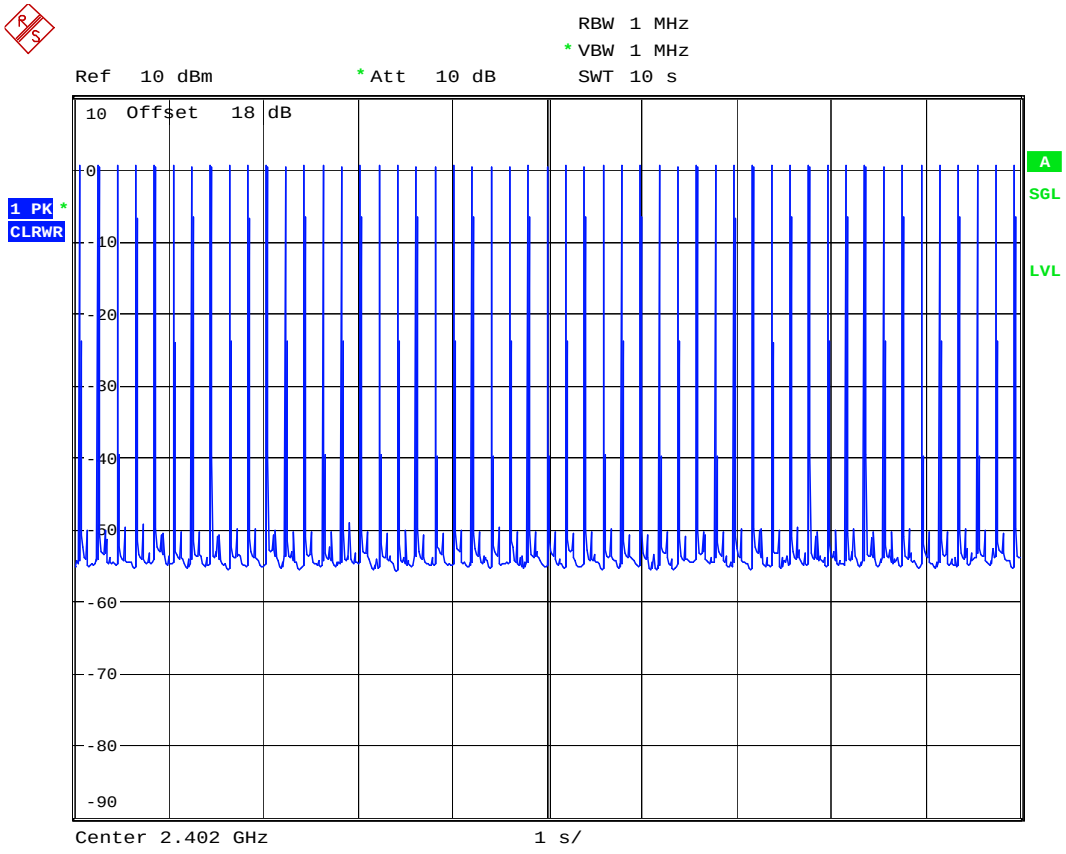

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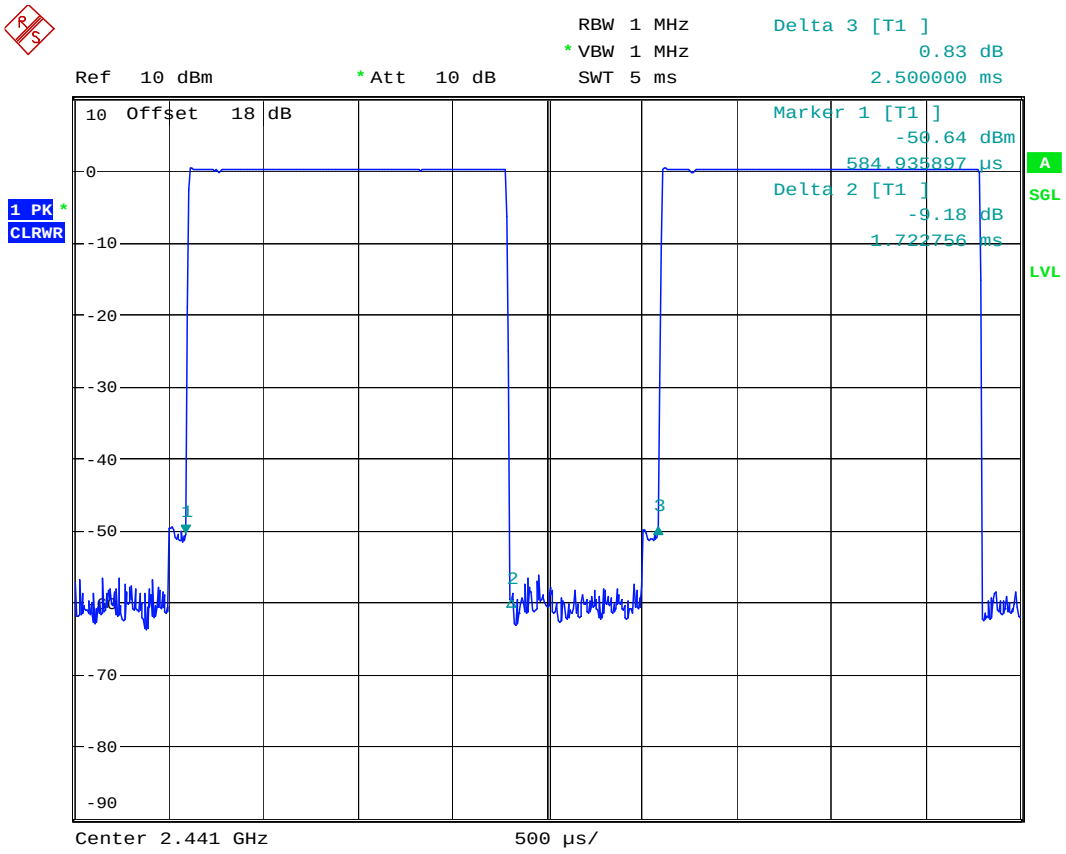
DH3 (CH39)



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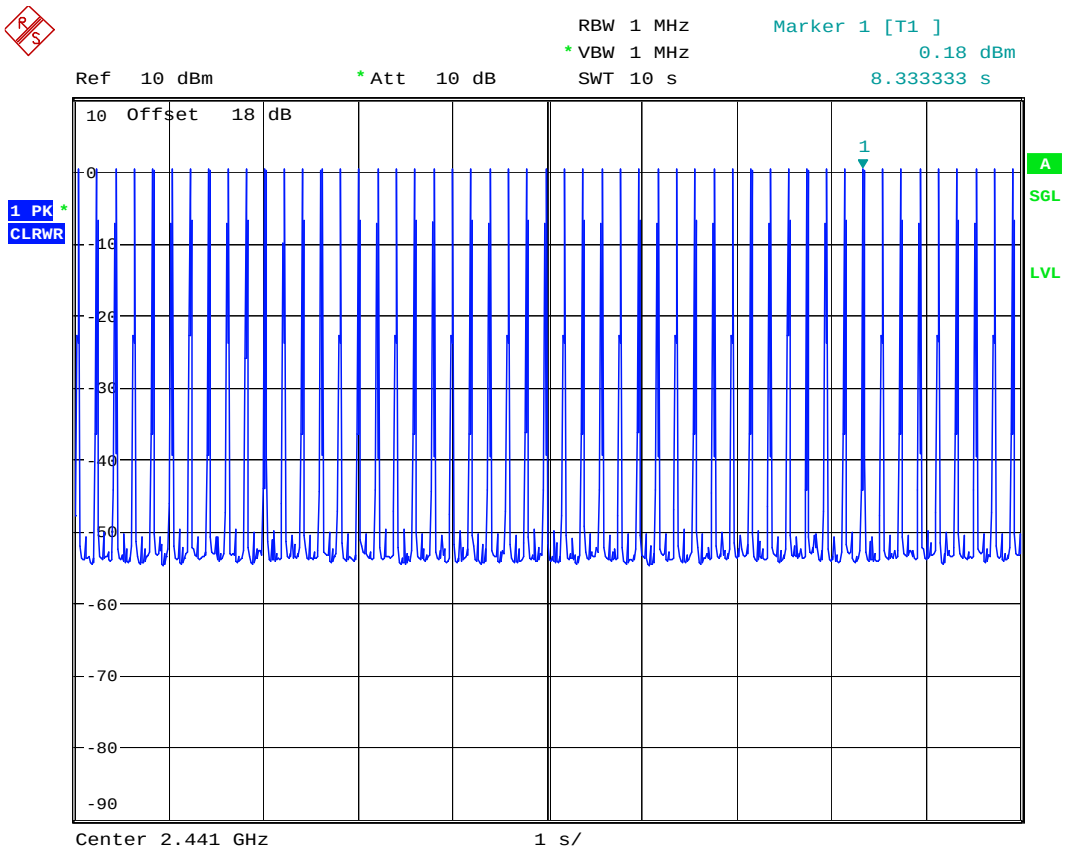

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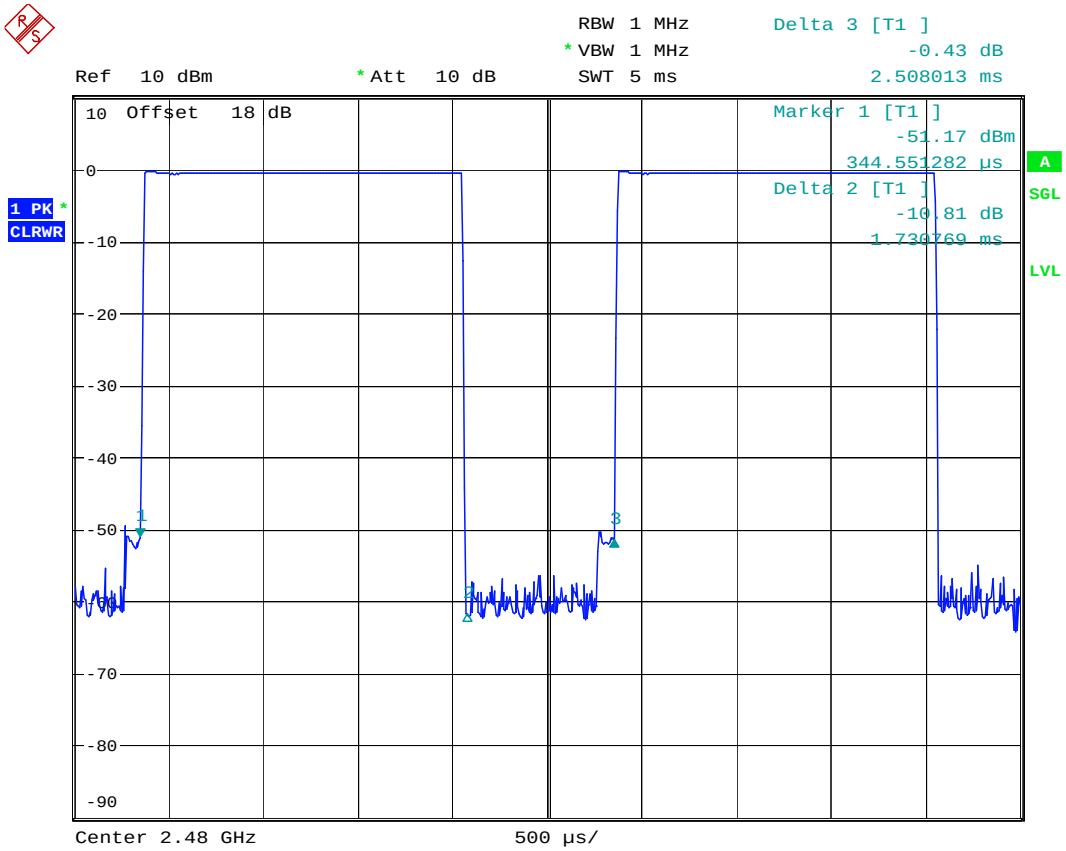

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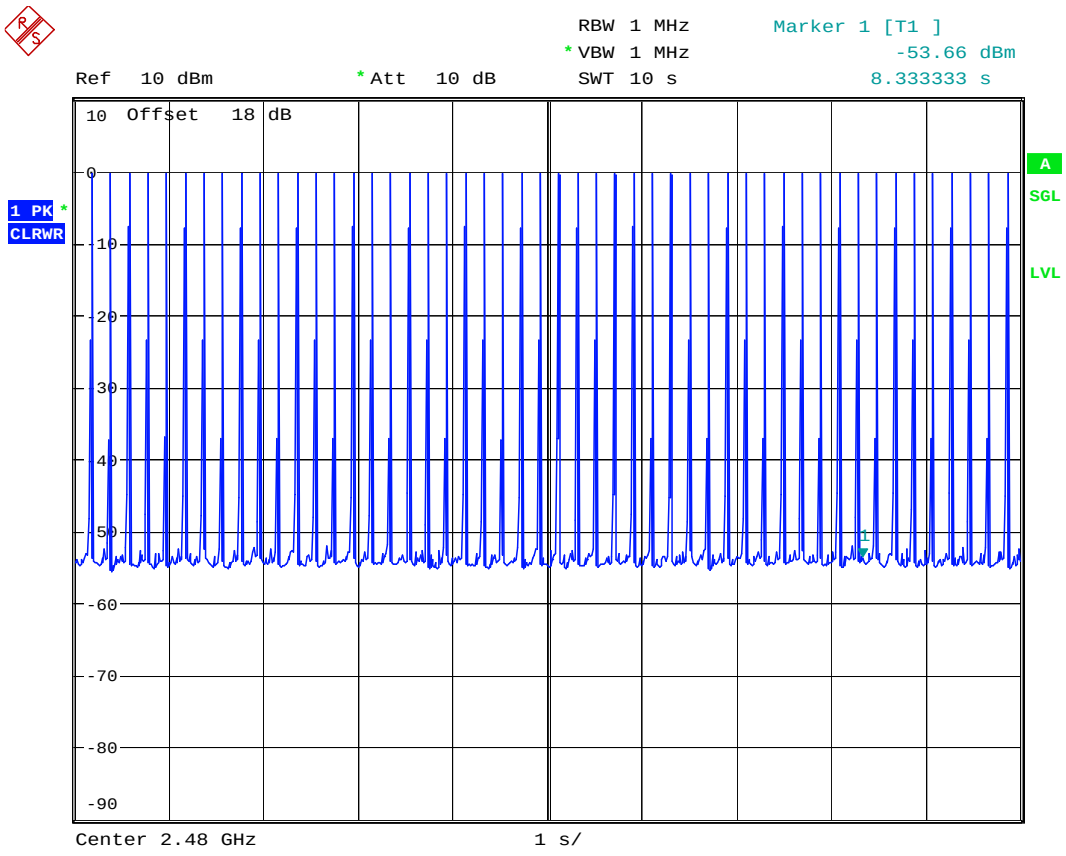

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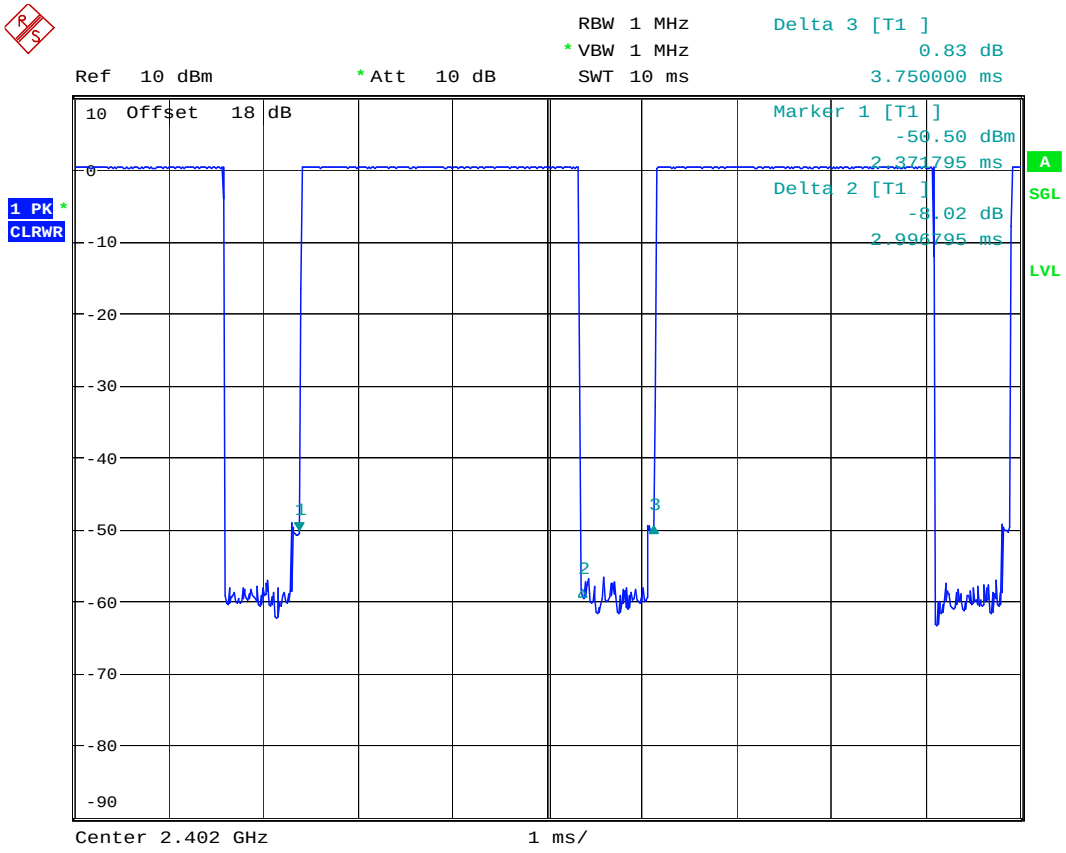
DH5 (CH00)



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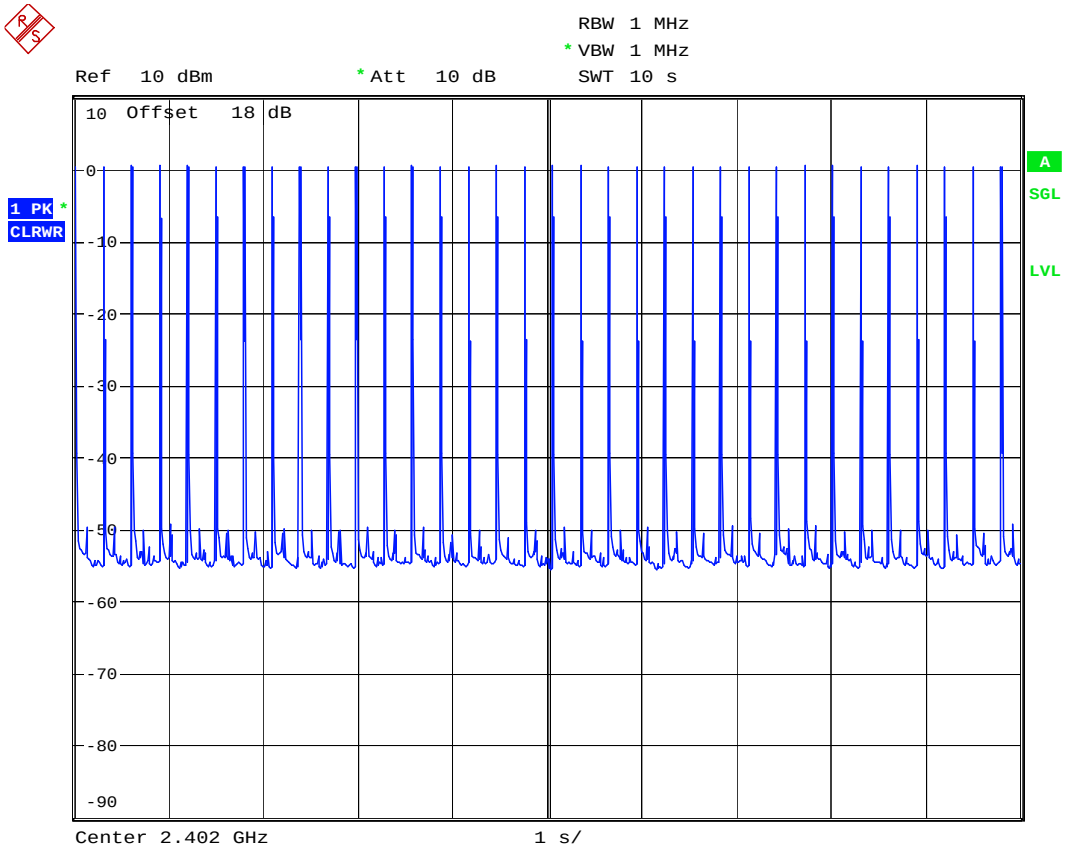
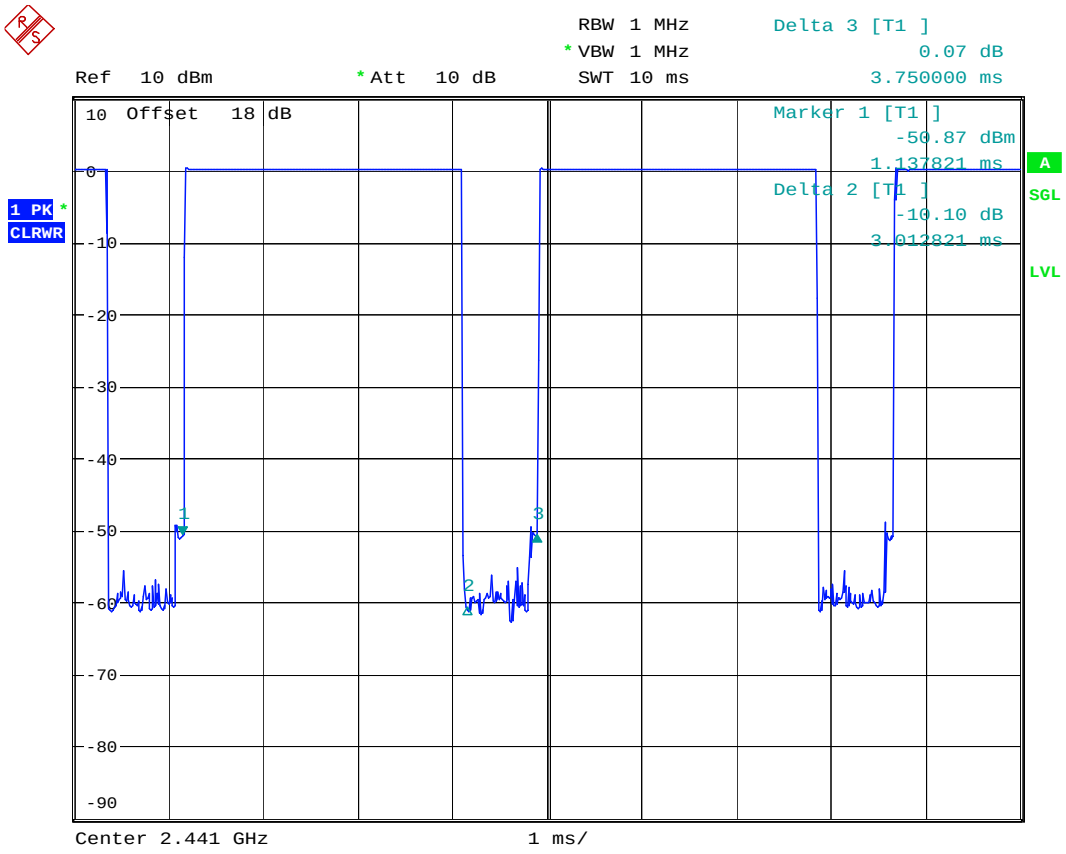


Date: 29.MAR.2007 21:27:42

DH5 (CH39)



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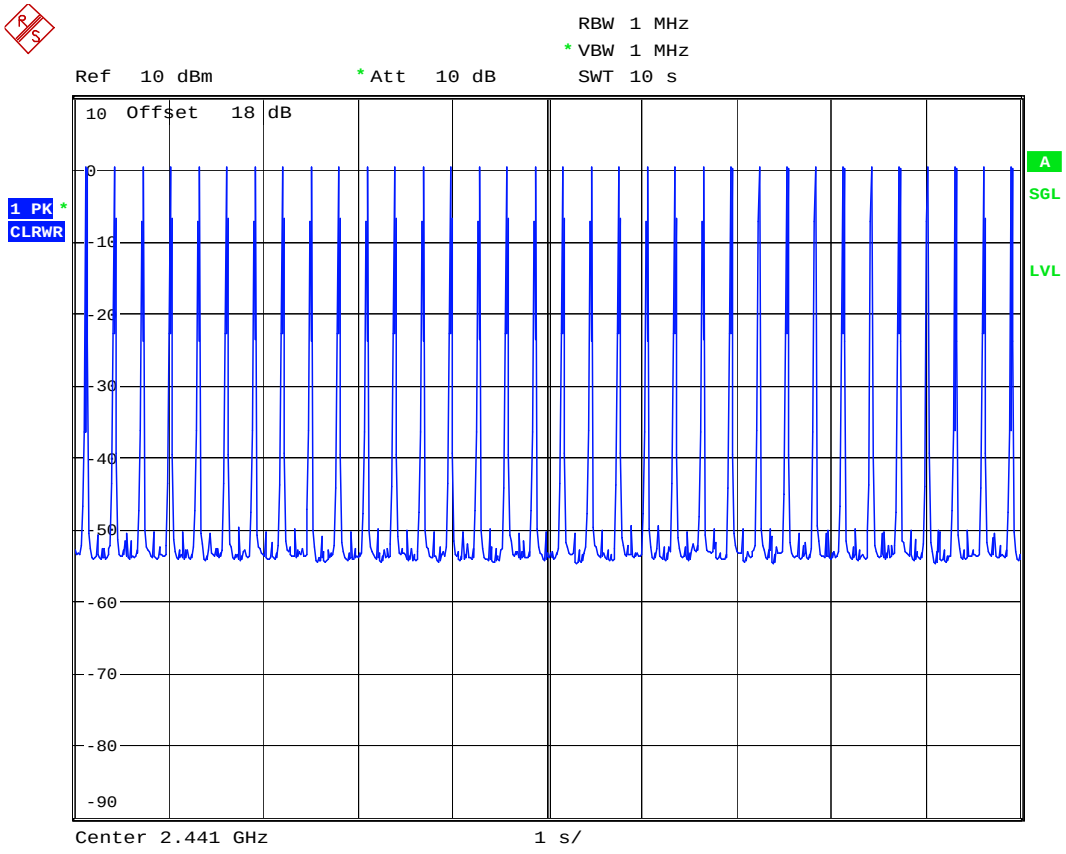

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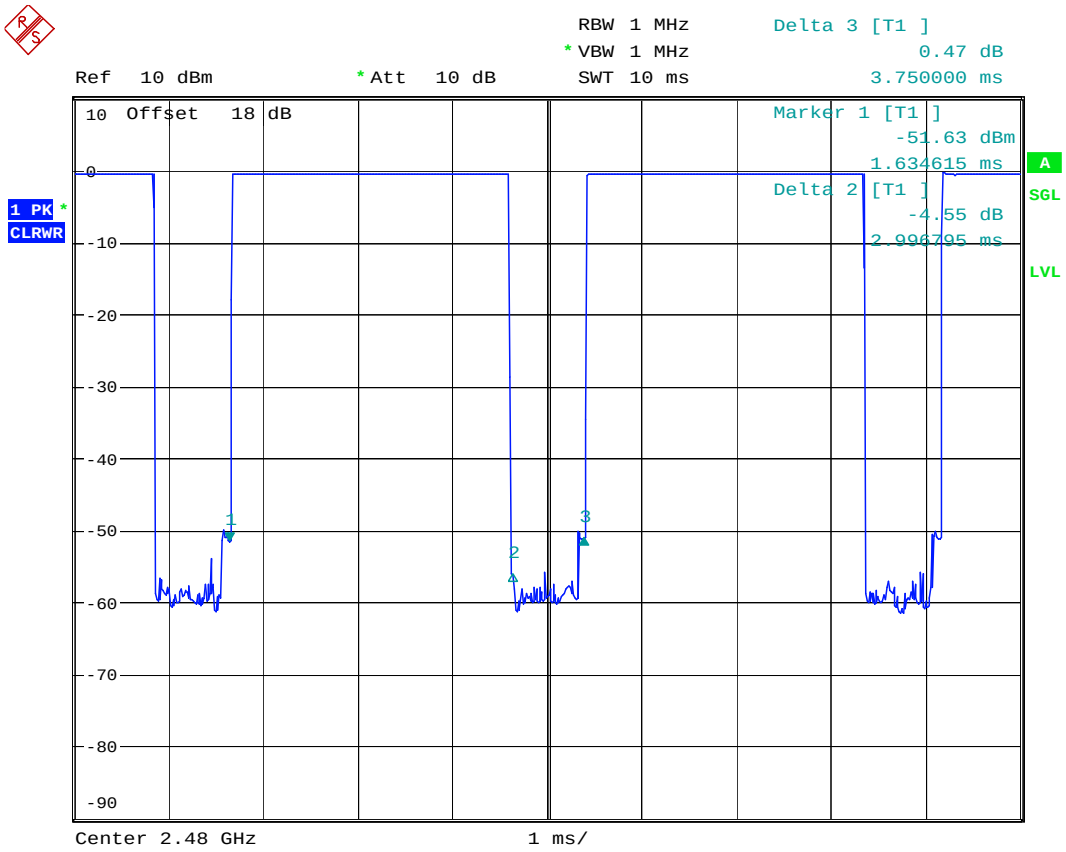
DH5 (CH78)



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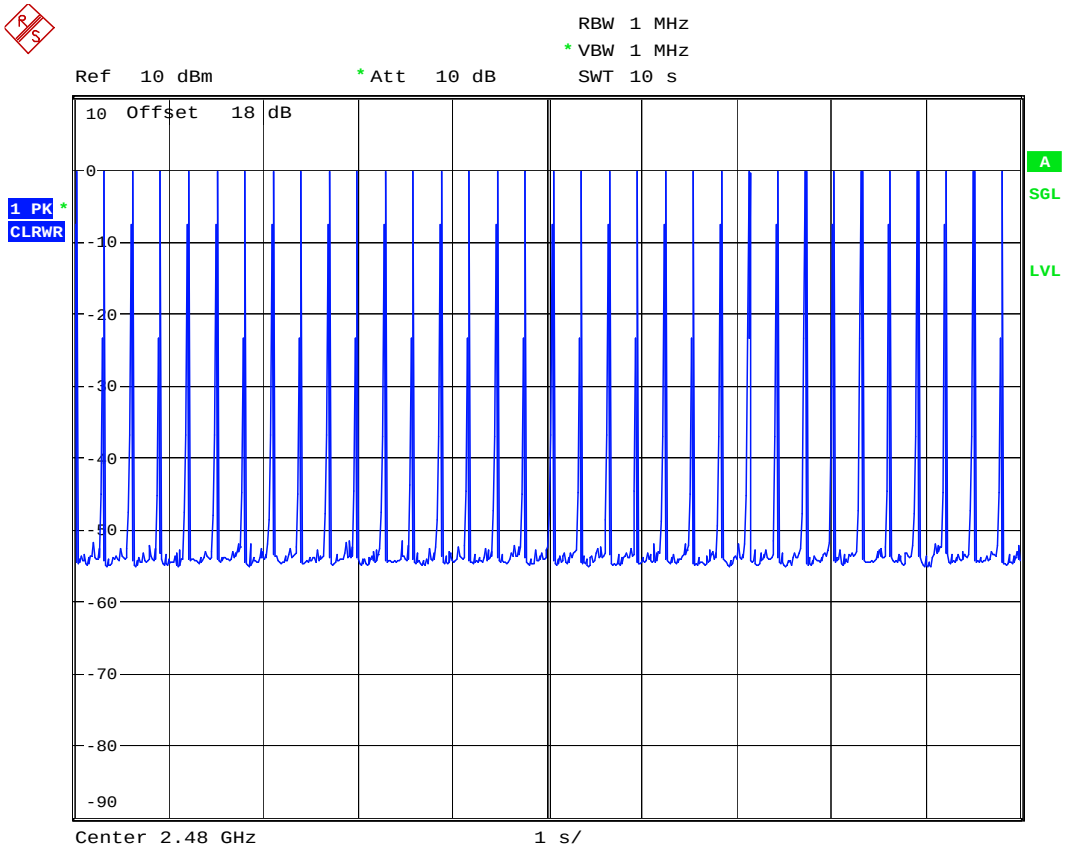


Date: 29.MAR.2007 21:26:26

5.6 Output Power

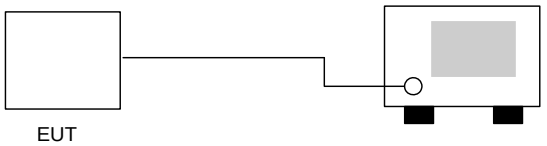
5.6.1 Measuring Instruments：

As described in chapter 6 of this test report.

5.6.2 Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
2. The center frequency of the spectrum analyzer was set to the fundamental frequency and set RBW to 3MHz and VBW to 3MHz.

5.6.3 Test Setup Layout：



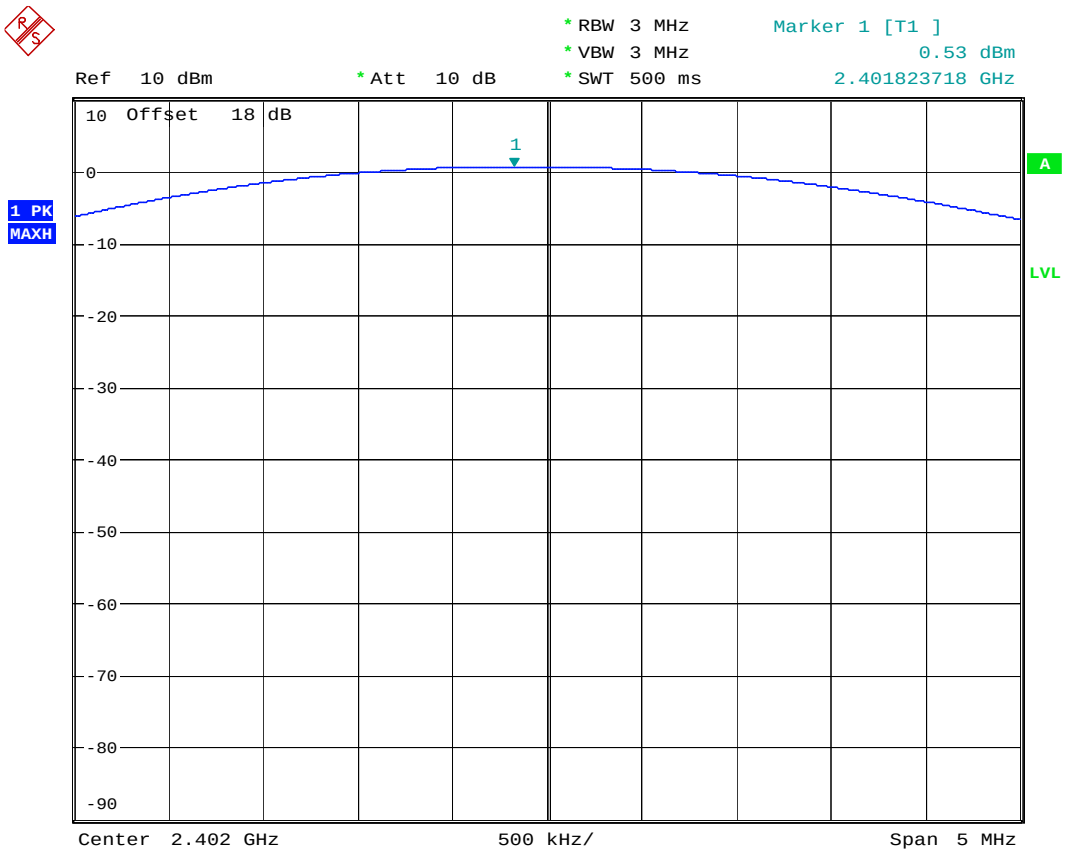
5.6.4 Test Result：See spectrum analyzer plots below

- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

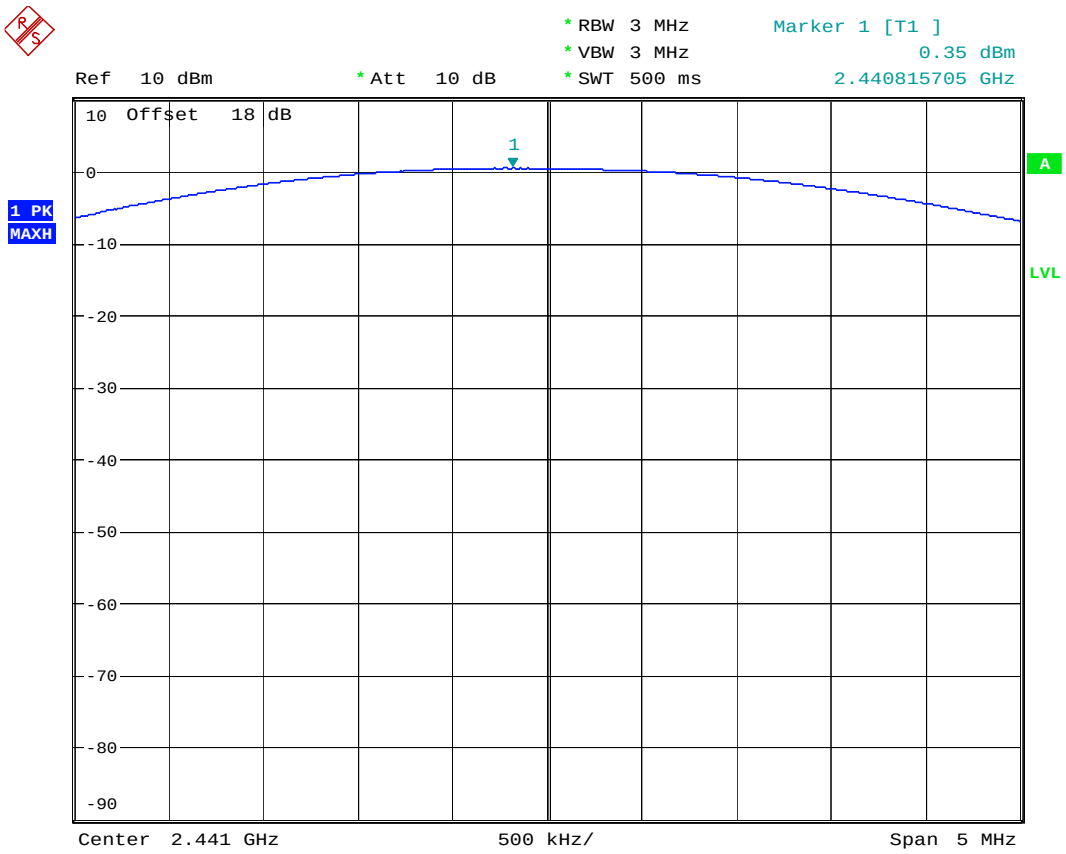
Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)	Plot Ref. No.
00	2402	0.53	1W/30 dBm	Mode 1
39	2441	0.35	1W/30 dBm	Mode 2
78	2480	-0.18	1W/30 dBm	Mode 3

5.6.5 Output Power

Mode 1: CH00 (2402MHz)

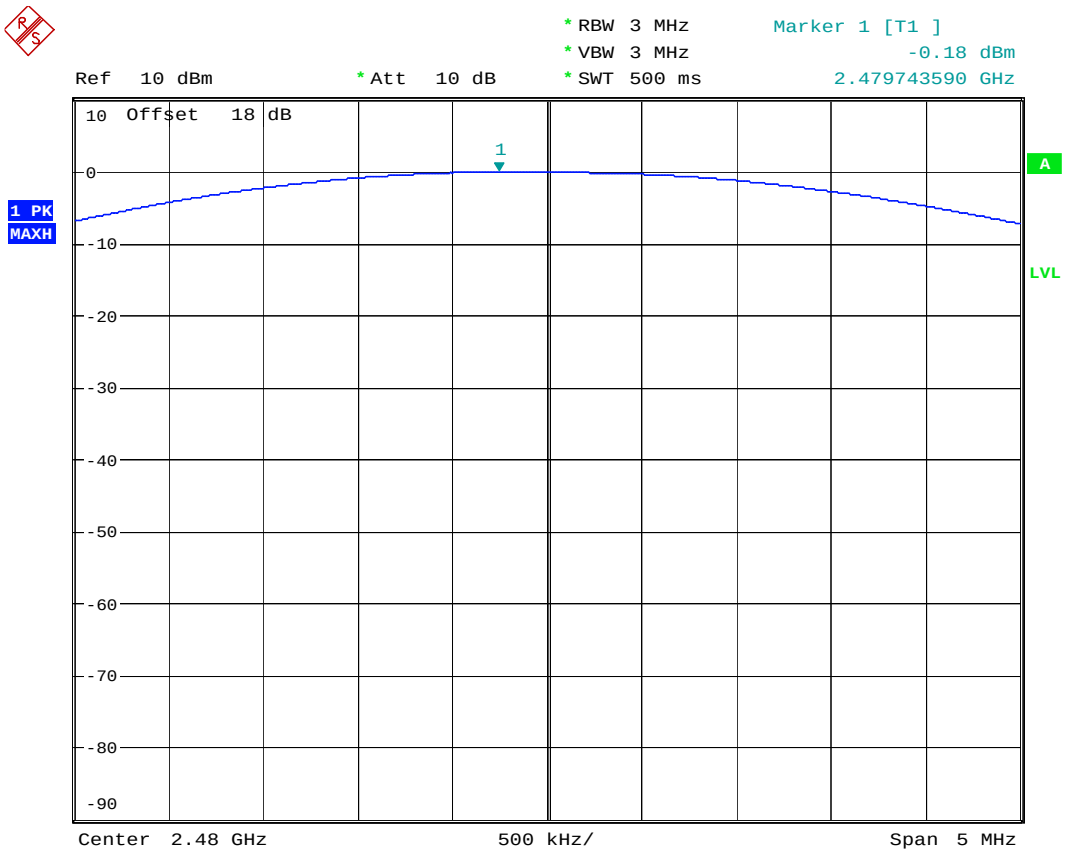


Mode 2: CH39 (2441MHz)



Date: 29.MAR.2007 20:31:04

Mode 3: CH78 (2480MHz)



Date: 29.MAR.2007 20:30:04

5.7 100kHz Bandwidth of Frequency Band Edges

5.7.1 Measuring Instruments：

As described in chapter 6 of this test report.

5.7.2 Test Procedure：

1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
2. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span for the conducted measurement, and RBW/VBW=1MHz/1MHz for peak measurement and RBW/VBW=1MHz/300Hz for average measurement in the radiated measurement.
3. The band edges was measured and recorded.

5.7.3 Test Result：

- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : Andy

Test Result in lower band (Channel 00)： PASS

Test Result in higher band(Channel 78)： PASS

5.7.4 Note on Band edge Emission

CH00 (Horizontal)

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Detect
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	Mode
2385.76	43.92	-30.08	74.00	45.40	30.24	3.71	35.42	100	0	Peak
2385.76	33.36	-20.64	54.00	34.79	30.26	3.75	35.44	100	147	Average

CH00 (Vertical)

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Detect
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	Mode
2386.32	44.25	-29.75	74.00	45.69	30.25	3.75	35.44	100	0	Peak
2386.32	33.28	-20.72	54.00	34.71	30.26	3.75	35.44	100	229	Average

CH78 (Horizontal)

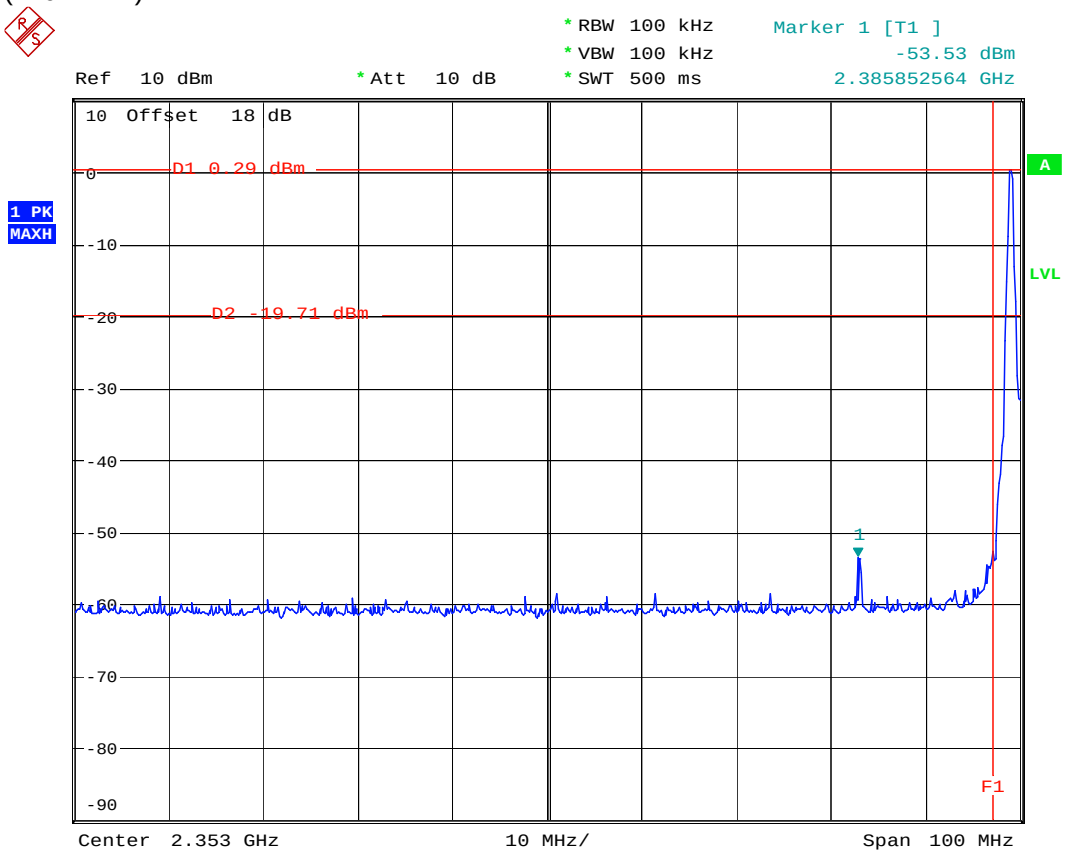
Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Detect
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	Mode
2483.5	52.72	-21.28	74.00	54.08	30.29	3.86	35.51	100	0	Peak
2483.5	47.03	-6.97	54.00	48.39	30.29	3.86	35.51	102	345	Average

CH78 (Vertical)

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Detect
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	Mode
2483.5	50.40	-23.60	74.00	51.76	30.29	3.86	35.51	100	0	Peak
2483.5	44.59	-9.41	54.00	45.95	30.29	3.86	35.51	108	331	Average

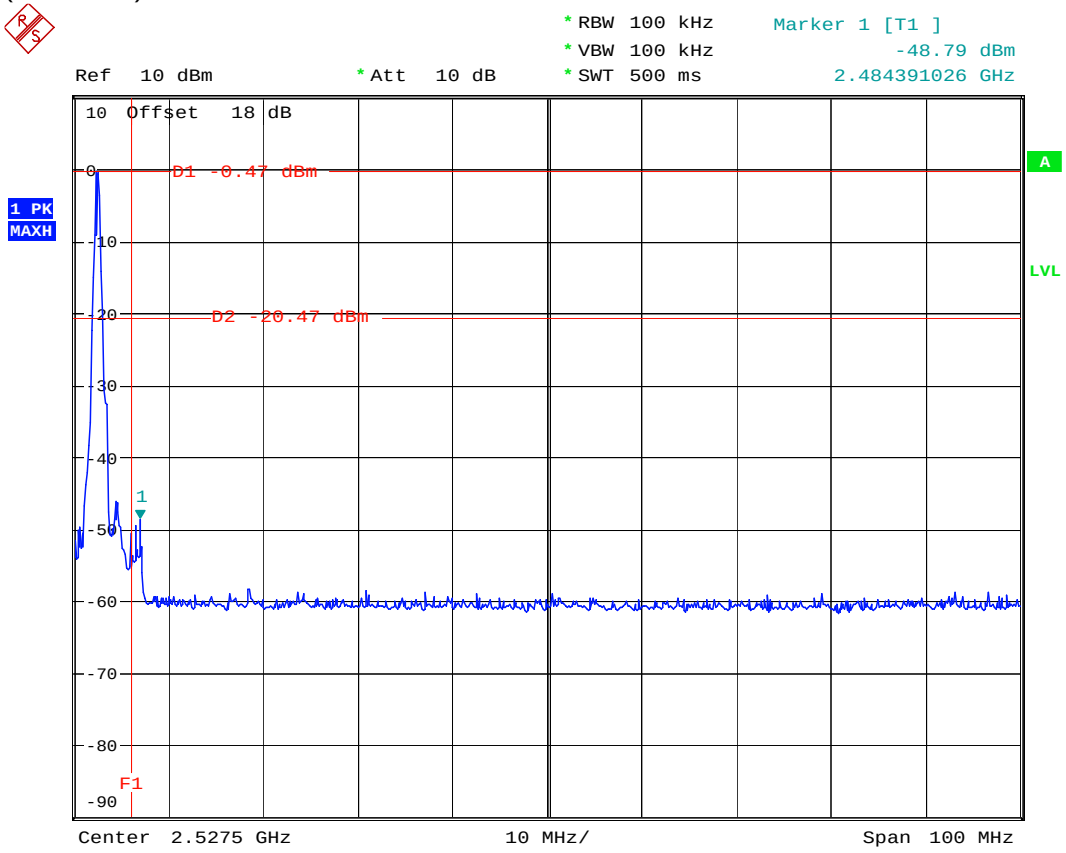
5.7.5 Frequency Band Edge

CH00 (2402 MHz)



Date: 29.MAR.2007 20:43:42

CH78 (2480 MHz)



Date: 29.MAR.2007 20:45:58

5.8 Conducted Emission

5.8.1 Measuring Instruments

As described in chapter 6 of this test Report.

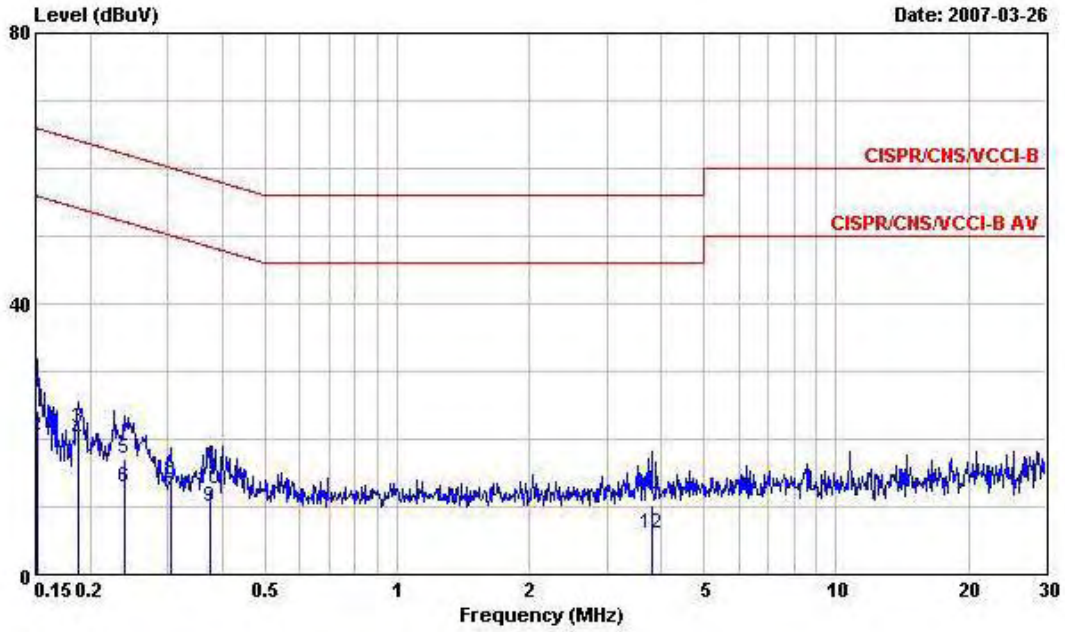
5.8.2 Test Procedures：

a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power port of a line impedance stabilization network (LISN).
c. All the support units are connected to the other LISN.
d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
e. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
f. Both sides of AC line were checked for maximum conducted interference.
g. The frequency range from 150 kHz to 30 MHz was searched.
h. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

5.8.3 Test Data Test Mode 1

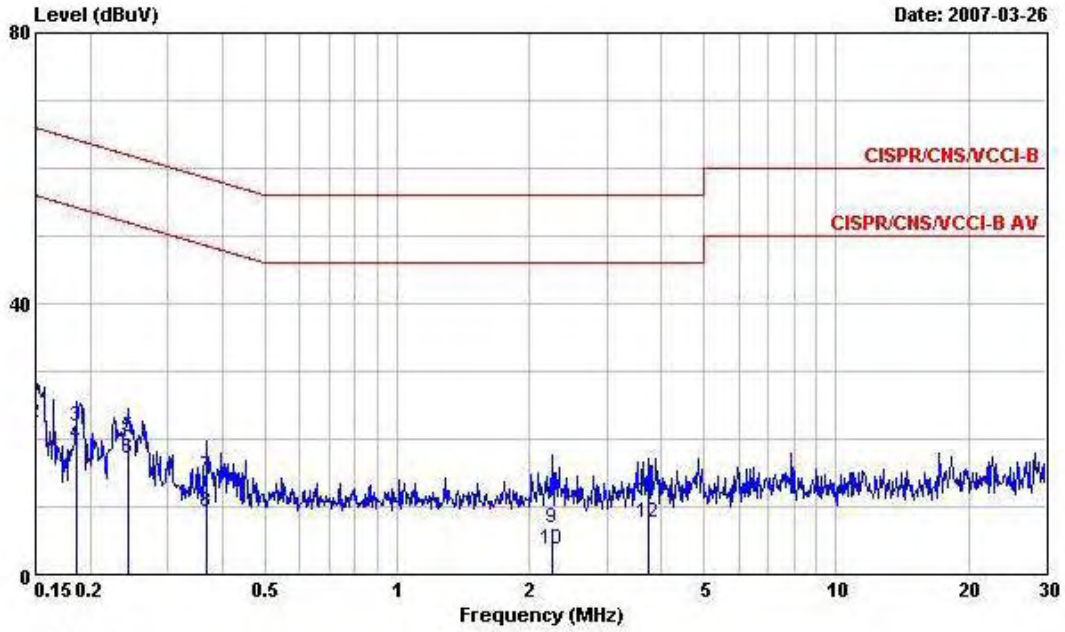
- Temperature: 25°C
- Relative Humidity: 54%
- Test Engineer : James

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
EUT : 藍芽成品
POWER: 120V/60Hz
Model : FD732101
Memo : BT LINK+ Speaker + Earphone + Adapter

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1515980	24.15	-41.76	65.91	23.36	0.10	0.69	QP
2	0.1515980	20.43	-35.48	55.91	19.64	0.10	0.69	Average
3	0.1873850	21.60	-42.55	64.15	20.96	0.10	0.54	QP
4	0.1873850	19.61	-34.54	54.15	18.97	0.10	0.54	Average
5	0.2391010	17.12	-45.01	62.13	16.52	0.10	0.50	QP
6	0.2391010	12.91	-39.22	52.13	12.31	0.10	0.50	Average
7	0.3050910	11.68	-38.42	50.10	11.18	0.10	0.40	Average
8	0.3050910	13.87	-46.23	60.10	13.37	0.10	0.40	QP
9	0.3751190	9.92	-38.47	48.39	9.42	0.10	0.40	Average
10	0.3751190	12.59	-45.80	58.39	12.09	0.10	0.40	QP
11	3.800	10.27	-45.73	56.00	9.57	0.10	0.60	QP
12	3.800	6.13	-39.87	46.00	5.43	0.10	0.60	Average



Site : CO01-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : 藍芽成品
POWER: 120V/60Hz
Model : FD732101
Memo : BT LINK+ Speaker + Earphone + Adapter

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1500000	24.63	-41.37	66.00	23.83	0.10	0.70	QP
2	@0.1500000	22.28	-33.72	56.00	21.48	0.10	0.70	Average
3	0.1863950	21.83	-42.37	64.20	21.18	0.10	0.55	QP
4	0.1863950	19.14	-35.06	54.20	18.49	0.10	0.55	Average
5	0.2442230	20.20	-41.75	61.95	19.60	0.10	0.50	QP
6	0.2442230	17.16	-34.79	51.95	16.56	0.10	0.50	Average
7	0.3692040	14.45	-44.07	58.52	13.95	0.10	0.40	QP
8	0.3692040	9.19	-39.33	48.52	8.69	0.10	0.40	Average
9	2.260	6.77	-49.23	56.00	6.12	0.12	0.53	QP
10	2.260	3.66	-42.34	46.00	3.01	0.12	0.53	Average
11	3.720	10.75	-45.25	56.00	9.96	0.19	0.60	QP
12	3.720	7.57	-38.43	46.00	6.78	0.19	0.60	Average

5.9 Radiated Emission Measurement

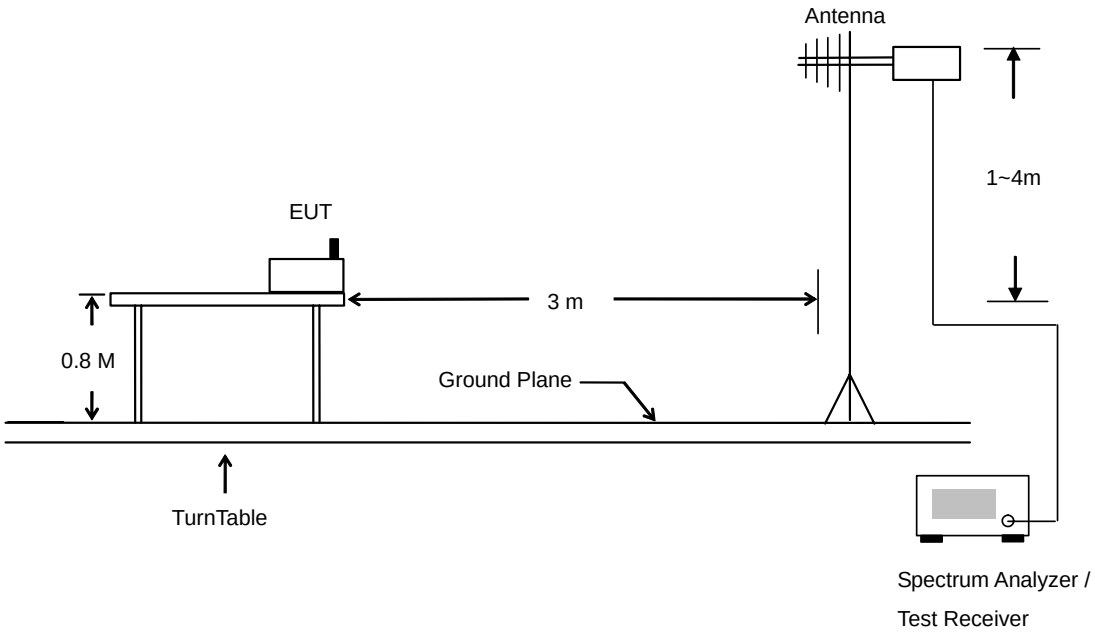
5.9.1 Measuring Instruments

As described in chapter 6 of this Report.

5.9.2 Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

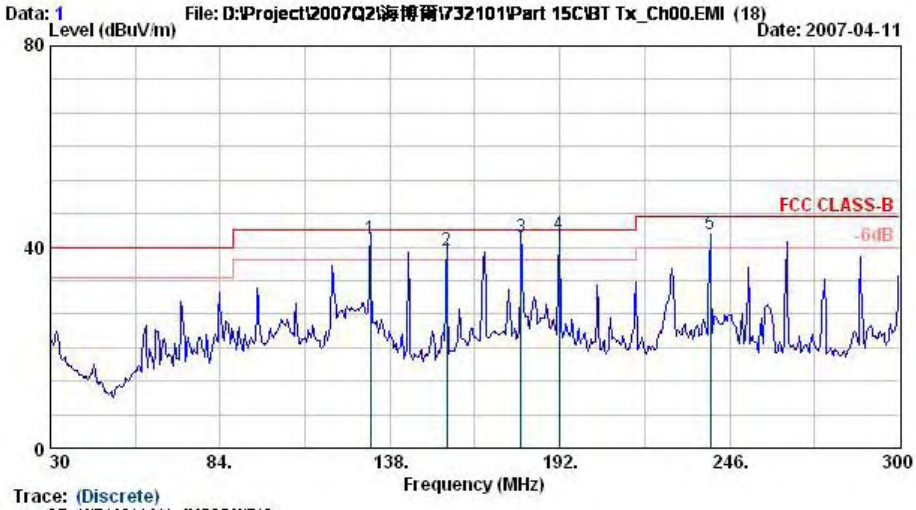
5.9.3 Typical Test Setup Layout of Radiated Emission



5.9.4 Test Data

- Temperature : 25°C
- Relating Humidity : 54%
- Test Engineer : Andrew
- Test Mode : Mode 1
- Polarization : Horizontal

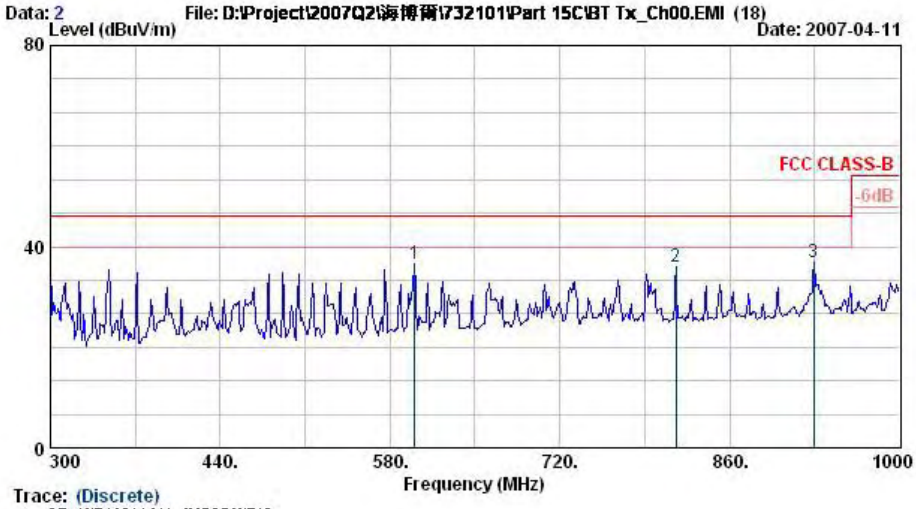
■ The test that passed at the minimum margin was marked by the frame in the following test record



Trace: (Discrete)

Condition : LF-ANT(95112I) HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

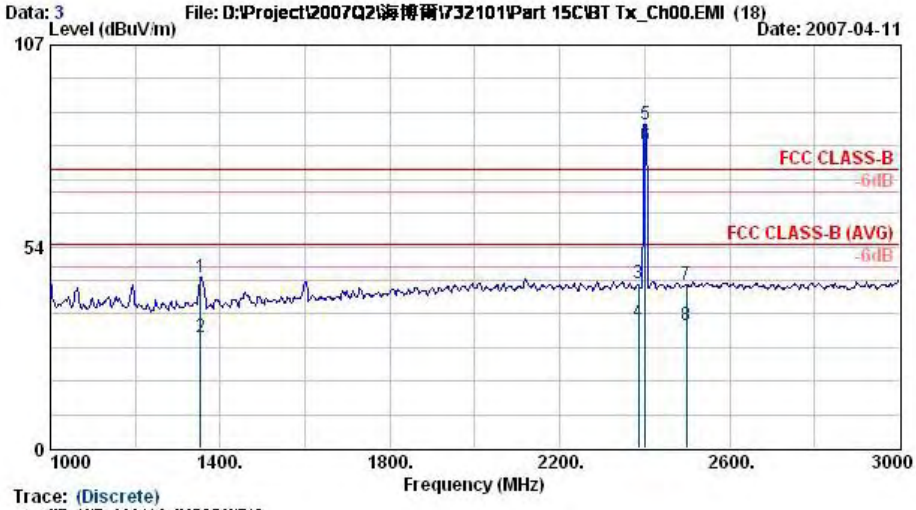
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	131.79	41.72	-1.78	43.50	59.60	11.54	1.66	31.08	156	330	QP
2 !	156.09	39.14	-4.36	43.50	58.10	10.24	1.85	31.05	165	26	QP
3 !	179.58	41.87	-1.63	43.50	61.50	9.50	1.90	31.04	177	226	QP
4 @	191.73	42.50	-1.00	43.50	62.10	9.36	2.06	31.01	200	345	QP
5 !	239.79	42.56	-3.44	46.00	59.54	11.64	2.32	30.93	---	---	Peak



Trace: (Discrete)

Condition : LF-ANT(951121) HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	600.30	36.72	-9.28	46.00	45.04	18.47	3.87	30.66	---	---	Peak
2	815.90	35.88	-10.12	46.00	41.78	19.93	4.64	30.47	---	---	Peak
3	929.30	36.85	-9.15	46.00	41.53	20.74	4.90	30.32	---	---	Peak

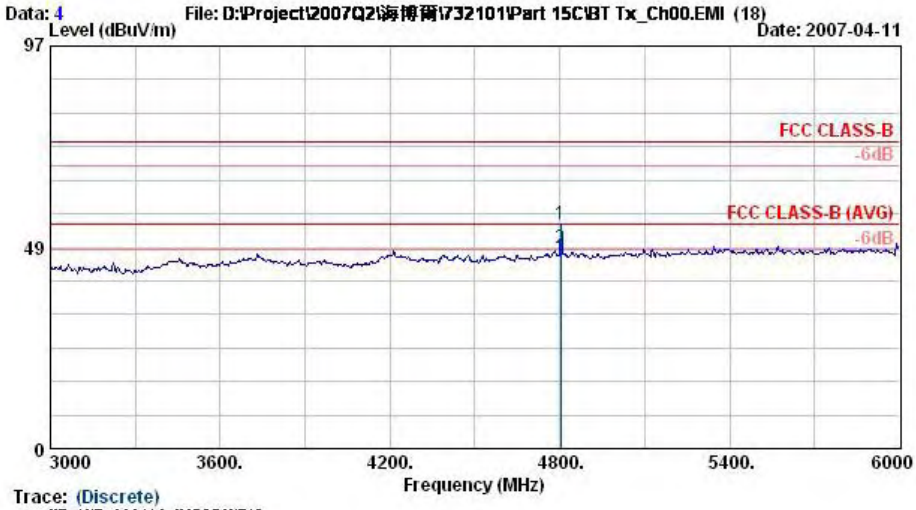


Trace: (Discrete)

Condition : HF-ANT-060410 HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1354.00	45.51	-28.49	74.00	53.08	25.58	2.82	35.96	100	0	Peak
2	1354.00	29.28	-24.72	54.00	36.84	25.58	2.82	35.96	100	147	Average
3	2385.76	43.92	-30.08	74.00	45.40	30.24	3.71	35.42	100	0	Peak
4	2385.76	33.36	-20.64	54.00	34.79	30.26	3.75	35.44	100	147	Average
5 @	2402.00	86.03			87.45	30.26	3.77	35.46	100	0	Peak
6 @	2402.00	80.54			81.97	30.26	3.77	35.46	100	147	Average
7	2498.00	43.30	-30.70	74.00	44.65	30.30	3.88	35.53	100	0	Peak
8	2498.00	32.42	-21.58	54.00	33.77	30.30	3.88	35.53	100	147	Average

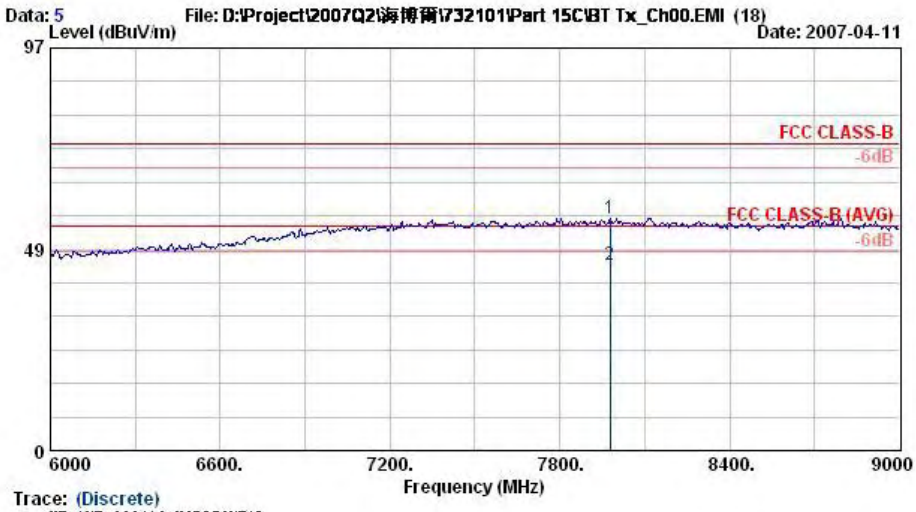
Remark: #5 and #6 Fundamental Signal



Trace: (Discrete)

Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

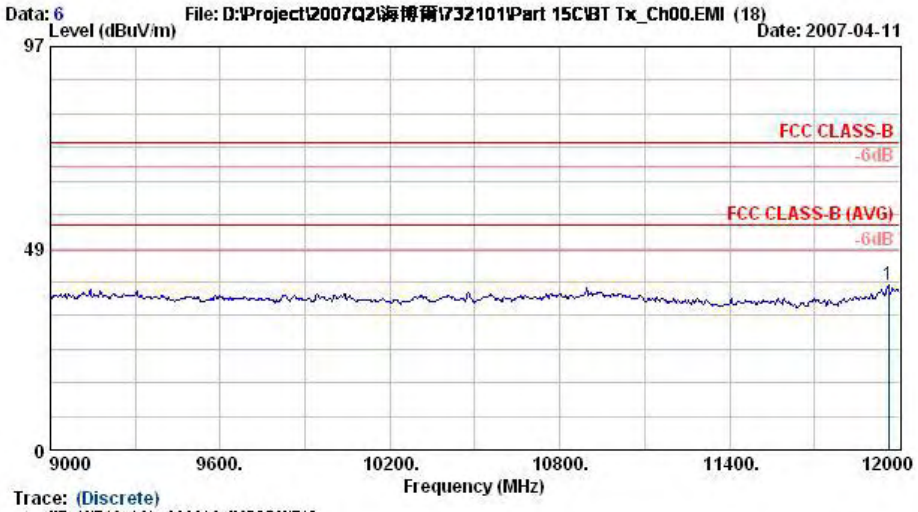
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	4804.00	54.06	-19.94	74.00	51.45	32.88	5.83	36.10	100	0	Peak
2 !	4804.00	48.21	-5.79	54.00	45.60	32.88	5.83	36.10	142	105	Average



Trace: (Discrete)

Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

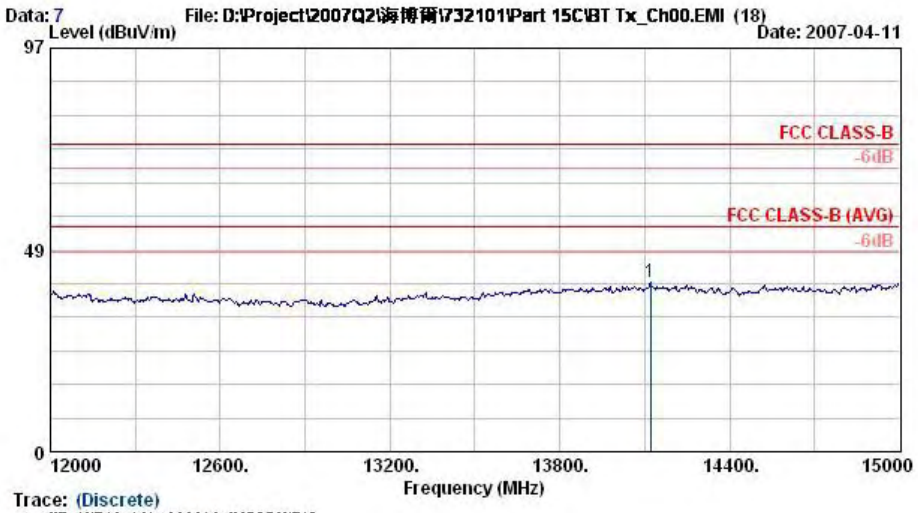
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7977.00	56.03	-17.97	74.00	44.54	39.55	7.78	35.85	100	0	Peak
2	7977.00	44.69	-9.31	54.00	33.20	39.55	7.78	35.85	100	221	Average



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

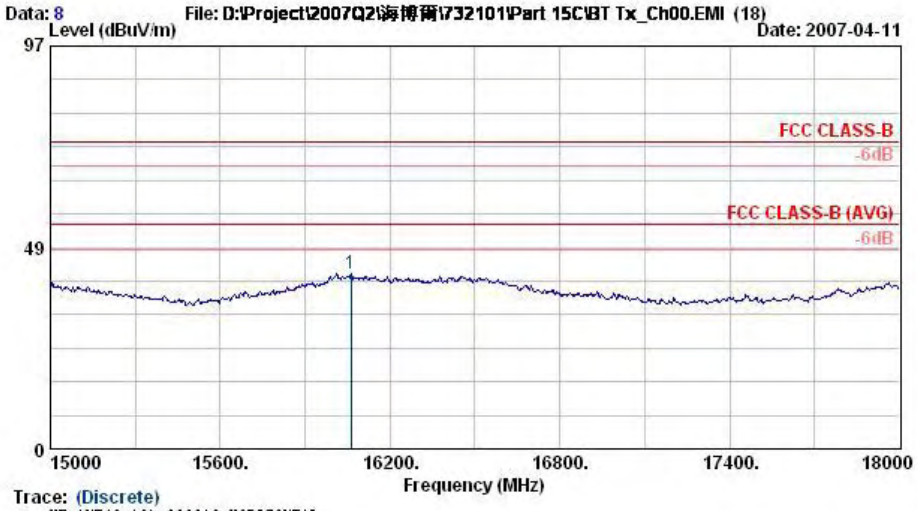
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11961.00	39.76	-34.24	74.00	75.48	-9.78	10.61	36.56	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

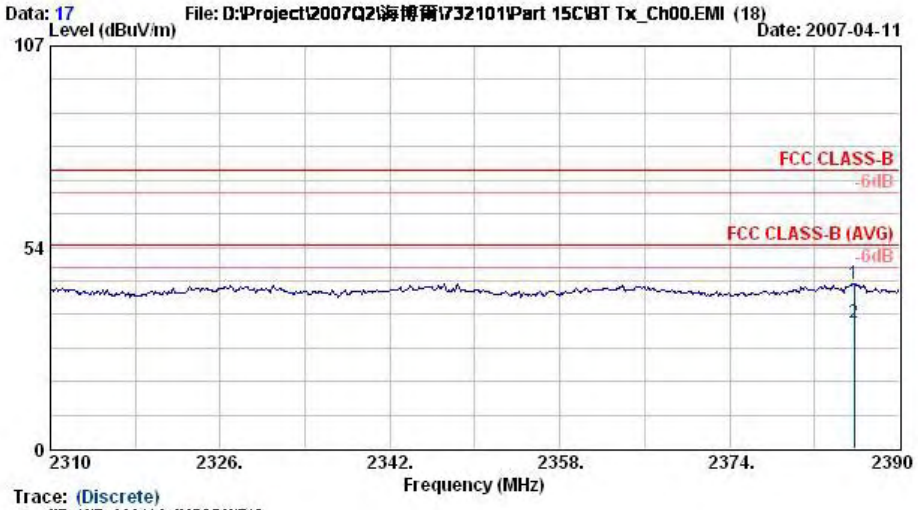
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14121.00	40.64	-33.36	74.00	69.99	-6.22	11.66	34.79	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 蓝牙成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16062.00	42.30	-31.70	74.00	70.69	-4.64	11.79	35.53	---	---	Peak



Trace: (Discrete)

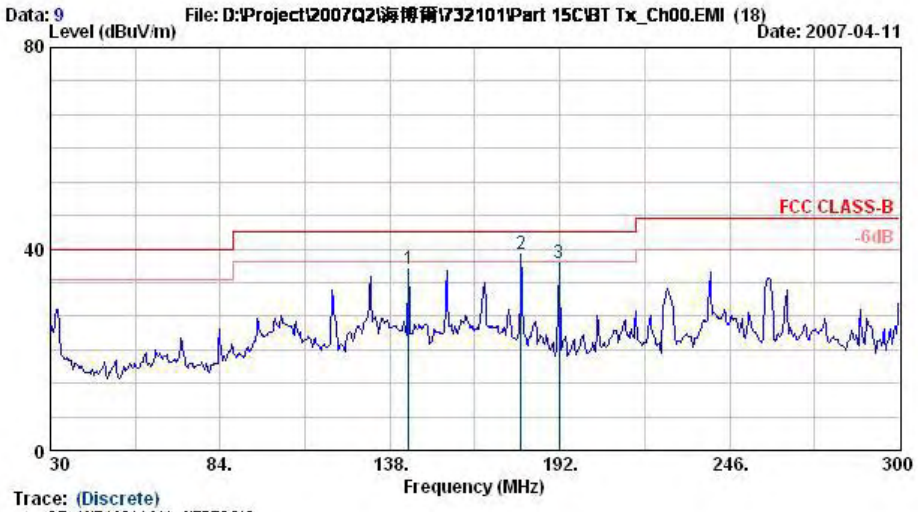
Condition : HF-ANT-060410 HORIZONTAL
EUT : 蓝牙成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2385.76	43.92	-30.08	74.00	45.35	30.26	3.75	35.44	100	0	Peak
2	2385.76	33.36	-20.64	54.00	34.79	30.26	3.75	35.44	100	147	Average

Remark: There's no more obvious spurious emission except the listings above.

- Test Mode : Mode 1
- Polarization : Vertical

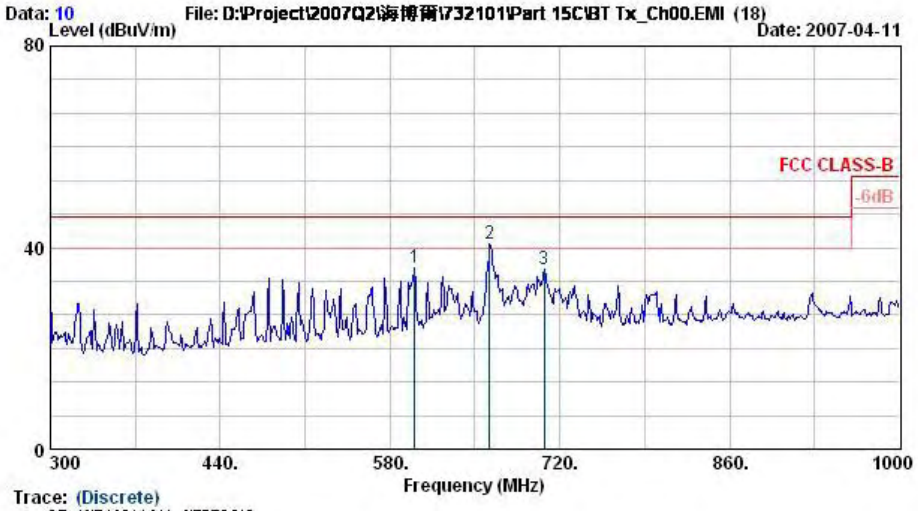
■ The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Condition : LF-ANT(951121) VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

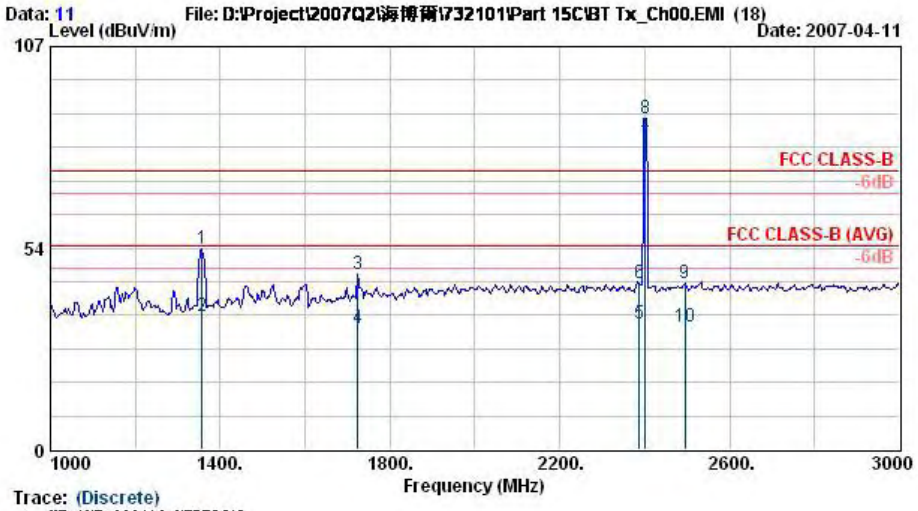
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	143.94	36.04	-7.46	43.50	55.01	10.30	1.77	31.05	---	---	Peak
2 !	179.58	39.01	-4.49	43.50	58.64	9.50	1.90	31.04	---	---	Peak
3	191.73	37.21	-6.29	43.50	56.80	9.36	2.06	31.01	---	---	Peak



Trace: (Discrete)

Condition : LF-ANT(951121) VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

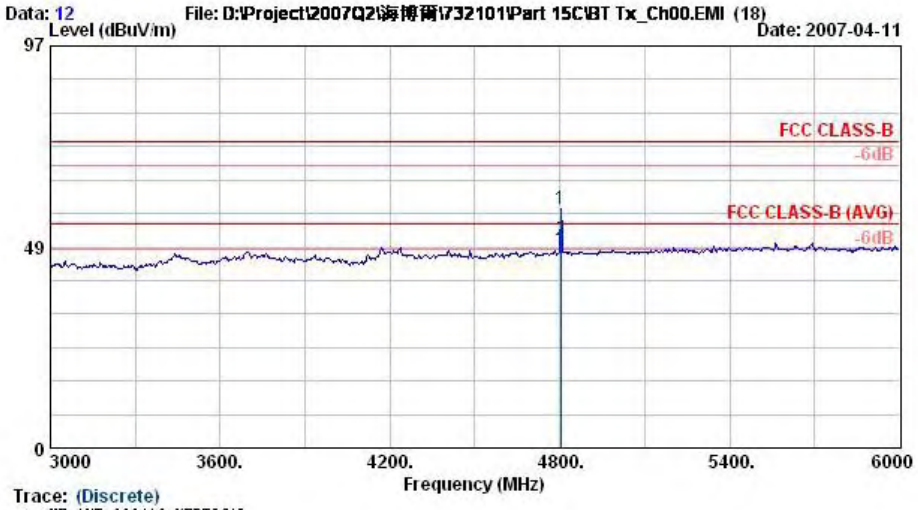
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	600.30	36.08	-9.92	46.00	44.40	18.47	3.87	30.66	---	---	Peak
2 !	661.90	40.62	-5.38	46.00	48.38	18.73	4.15	30.64	---	---	Peak
3	707.40	35.68	-10.32	46.00	43.04	18.95	4.27	30.58	---	---	Peak



Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

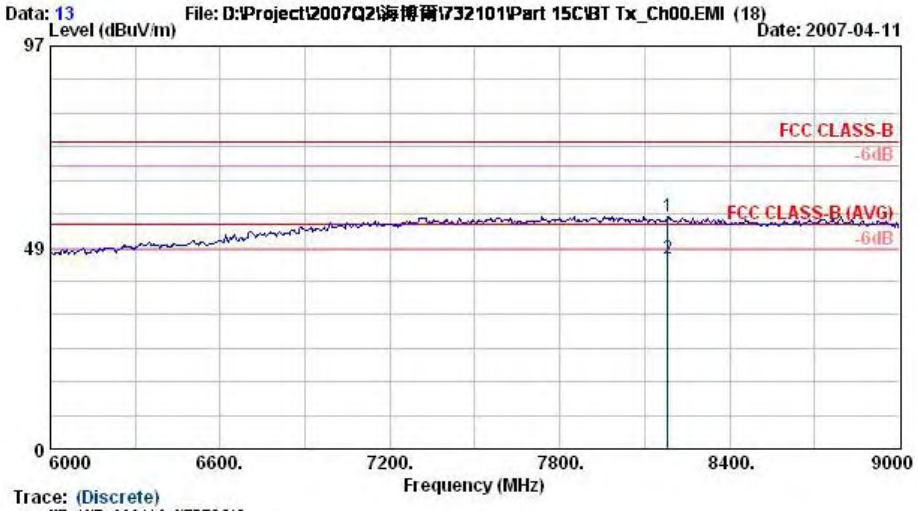
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1358.00	53.37	-20.63	74.00	60.93	25.58	2.82	35.96	100	0	Peak
2	1358.00	35.38	-18.62	54.00	42.94	25.58	2.82	35.96	100	226	Average
3	1724.00	46.54	-27.46	74.00	50.98	27.97	3.08	35.48	100	0	Peak
4	1724.00	32.27	-21.73	54.00	36.71	27.97	3.08	35.48	100	226	Average
5	2386.32	33.28	-20.72	54.00	34.71	30.26	3.75	35.44	100	229	Average
6	2386.32	44.25	-29.75	74.00	45.69	30.25	3.75	35.44	100	0	Peak
7 @	2402.00	81.28			82.71	30.26	3.77	35.46	100	229	Average
8 @	2402.00	88.06			89.48	30.26	3.77	35.46	100	0	Peak
9	2494.00	44.02	-29.98	74.00	45.36	30.30	3.88	35.53	100	0	Peak
10	2494.00	32.43	-21.57	54.00	33.78	30.30	3.88	35.53	100	229	Average

Remark: #7 and #8 Fundamental Signal



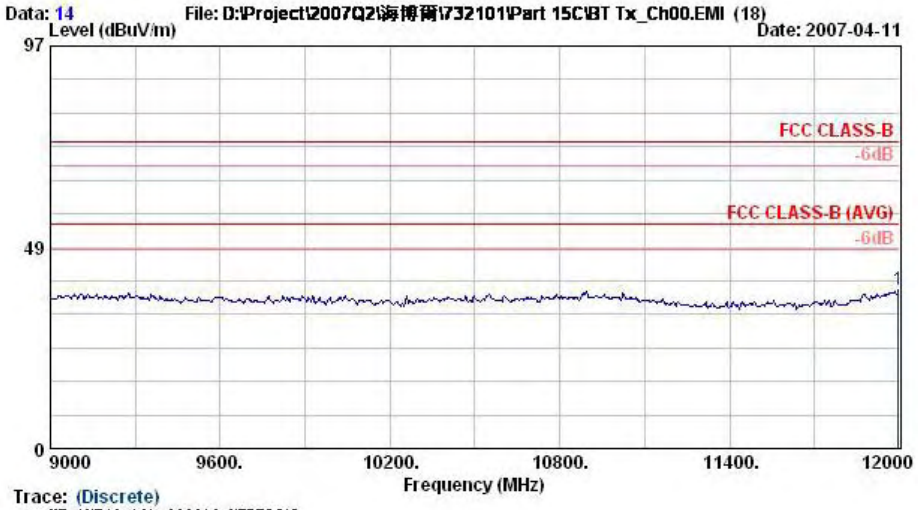
Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	4804.00	57.79	-16.21	74.00	55.18	32.88	5.83	36.10	100	0	Peak
2 !	4804.00	50.11	-3.89	54.00	47.50	32.88	5.83	36.10	100	303	Average



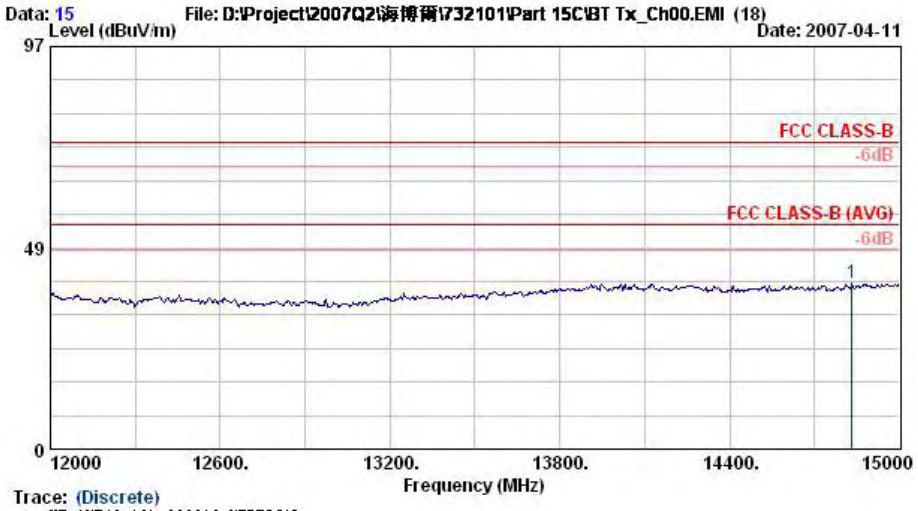
Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	8181.00	55.95	-18.05	74.00	44.45	39.46	8.00	35.96	100	0	Peak
2	8181.00	45.70	-8.30	54.00	34.20	39.46	8.00	35.96	100	0	Average



Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

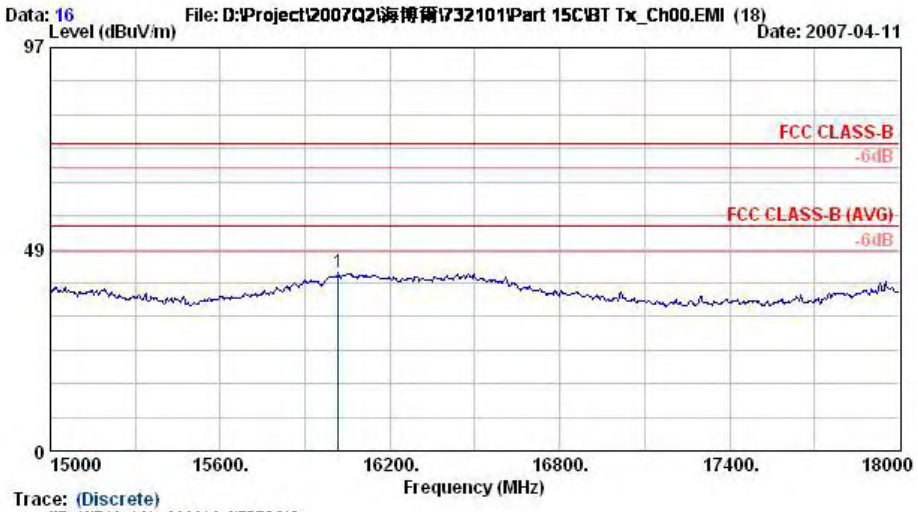
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11997.00	38.22	-35.78	74.00	73.76	-9.60	10.64	36.58	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

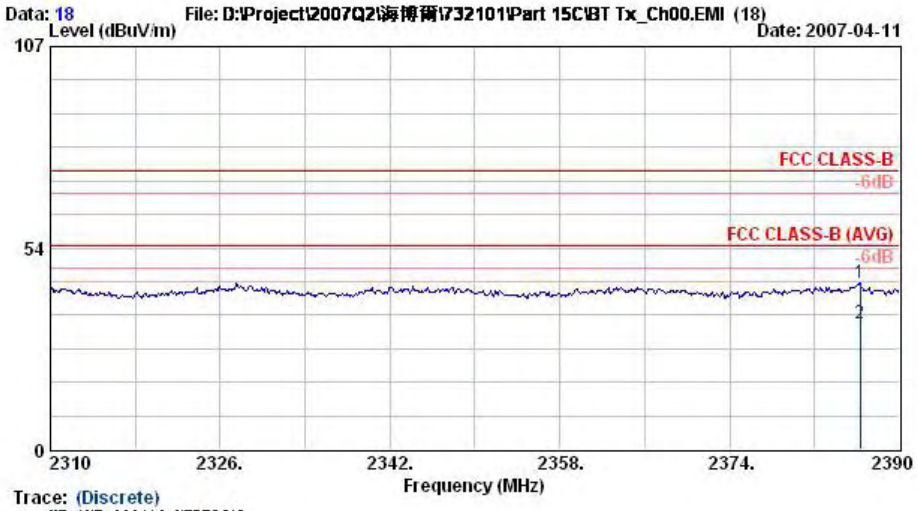
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14832.00	39.89	-34.11	74.00	70.66	-6.34	11.42	35.84	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16017.00	42.75	-31.25	74.00	71.24	-4.15	11.77	36.13	---	---	Peak



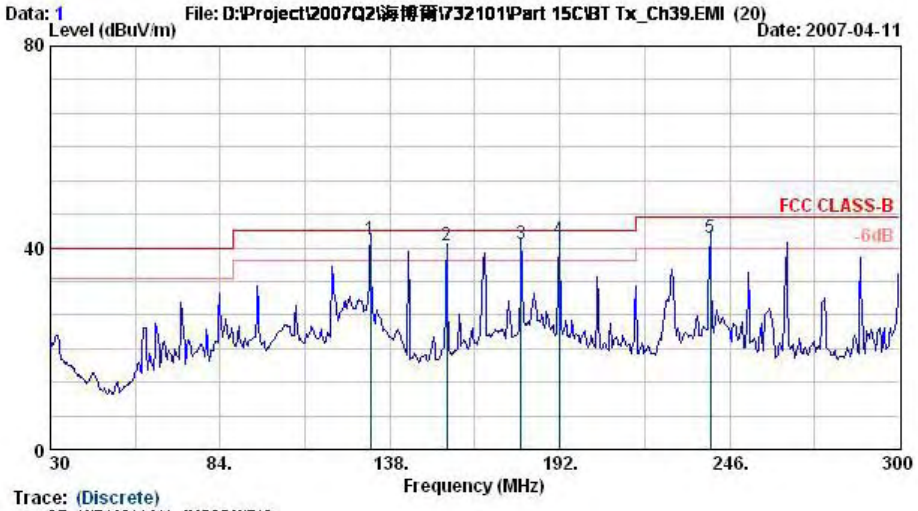
Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch00;2402MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2386.32	44.25	-29.75	74.00	45.68	30.26	3.75	35.44	100	0	Peak
2	2386.32	33.28	-20.72	54.00	34.71	30.26	3.75	35.44	100	229	Average

Remark: There's no more obvious spurious emission except the listings above.

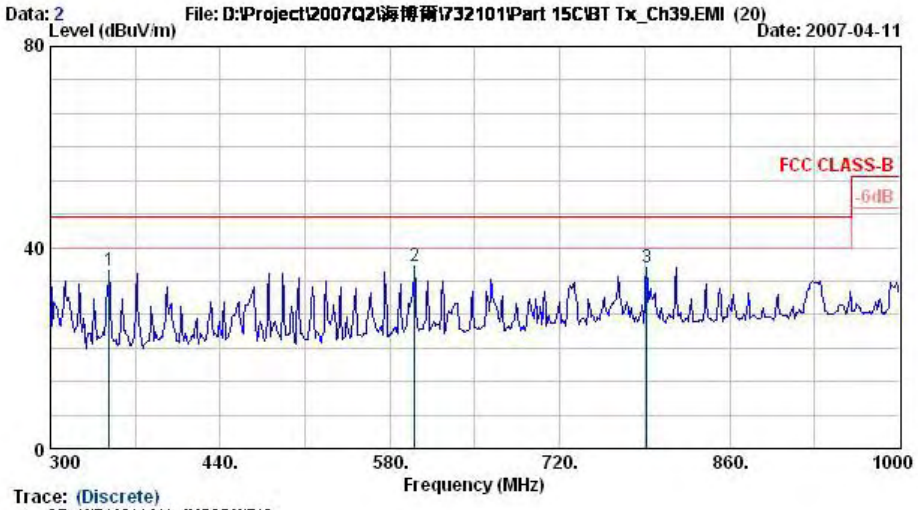
- Test Mode : Mode 2
- Polarization : Horizontal

■ The test that passed at minimum margin was marked by the frame in the following table.



Condition : LF-ANT(95112) HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

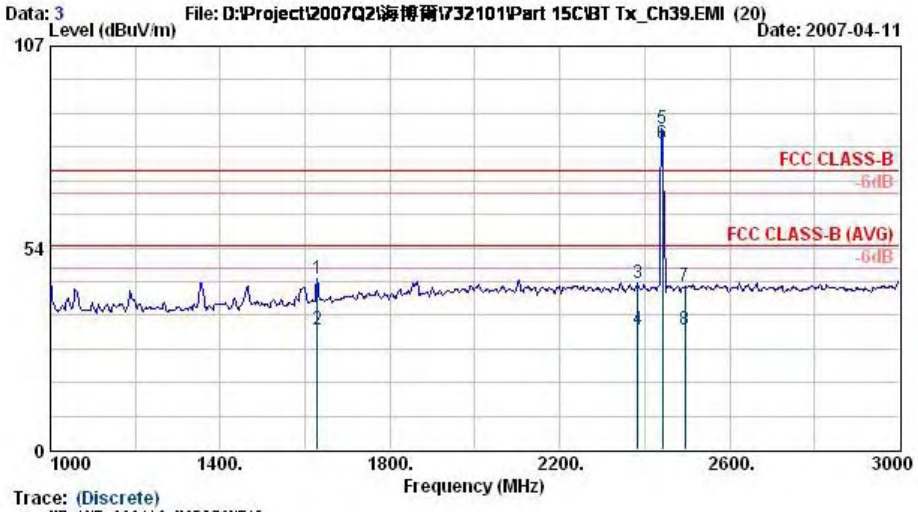
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	131.79	41.52	-1.98	43.50	59.40	11.54	1.66	31.08	200	321	QP
2 @	156.09	40.44	-3.06	43.50	59.40	10.24	1.85	31.05	178	298	QP
3 @	179.58	40.67	-2.83	43.50	60.30	9.50	1.90	31.04	159	266	QP
4 @	191.73	41.70	-1.80	43.50	61.30	9.36	2.06	31.01	190	12	QP
5 @	239.79	41.93	-4.07	46.00	58.90	11.64	2.32	30.93	187	26	QP



Trace: (Discrete)

Condition : LF-ANT(951121) HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	348.30	35.25	-10.75	46.00	48.86	14.45	2.84	30.90	---	---	Peak
2 @	600.30	36.19	-9.81	46.00	44.51	18.47	3.87	30.66	---	---	Peak
3 @	791.40	35.92	-10.08	46.00	42.09	19.74	4.59	30.50	---	---	Peak

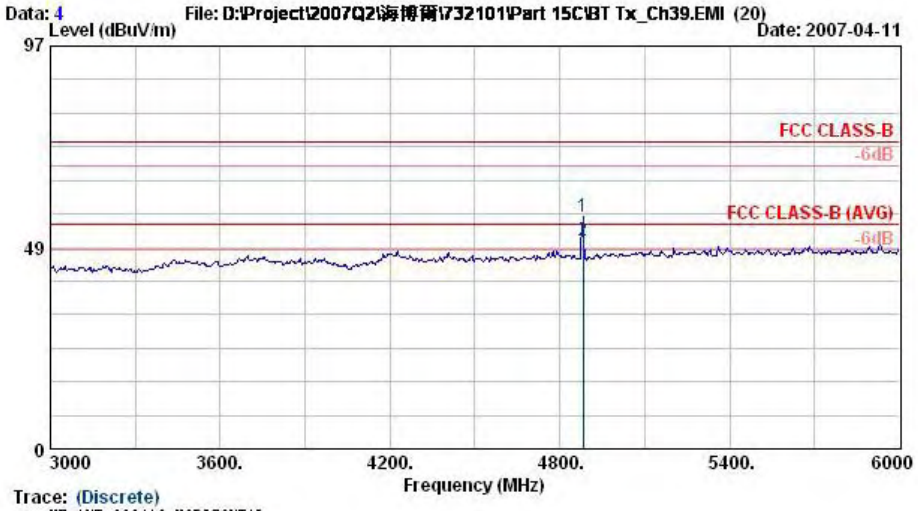


Trace: (Discrete)

Condition : HF-ANT-060410 HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1628.00	45.30	-28.70	74.00	50.70	27.17	2.99	35.56	100	0	Peak
2 @	1628.00	31.67	-22.33	54.00	37.07	27.17	2.99	35.56	109	343	Average
3	2384.00	44.05	-29.95	74.00	45.48	30.25	3.75	35.44	100	0	Peak
4 @	2384.00	31.63	-22.37	54.00	33.07	30.25	3.75	35.44	109	343	Average
5 @	2441.00	85.16			86.54	30.28	3.82	35.47	100	0	Peak
6 @	2441.00	81.24			82.64	30.28	3.82	35.49	109	343	Average
7	2494.00	43.26	-30.74	74.00	44.61	30.30	3.88	35.53	100	0	Peak
8 @	2494.00	31.92	-22.08	54.00	33.27	30.30	3.88	35.53	109	343	Average

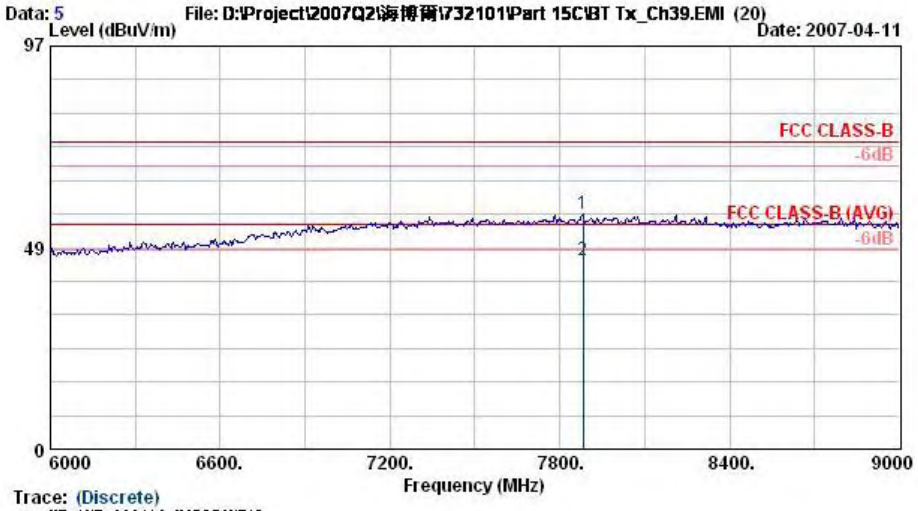
Remark: #5 and #6 Fundamental Signal



Trace: (Discrete)

Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

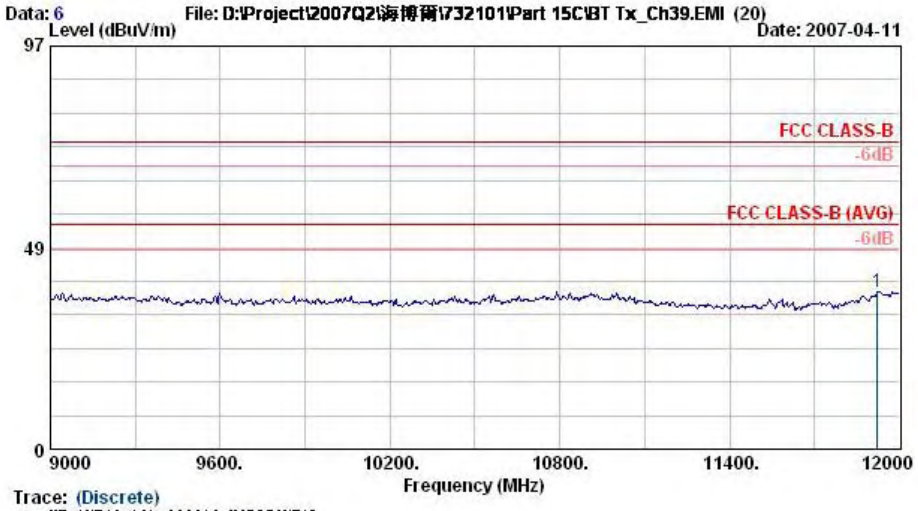
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	4882.00	55.90	-18.10	74.00	53.04	33.14	5.88	36.16	100	0	Peak
2 @	4882.00	50.21	-3.79	54.00	47.35	33.14	5.88	36.16	100	101	Average



Trace: (Discrete)

Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

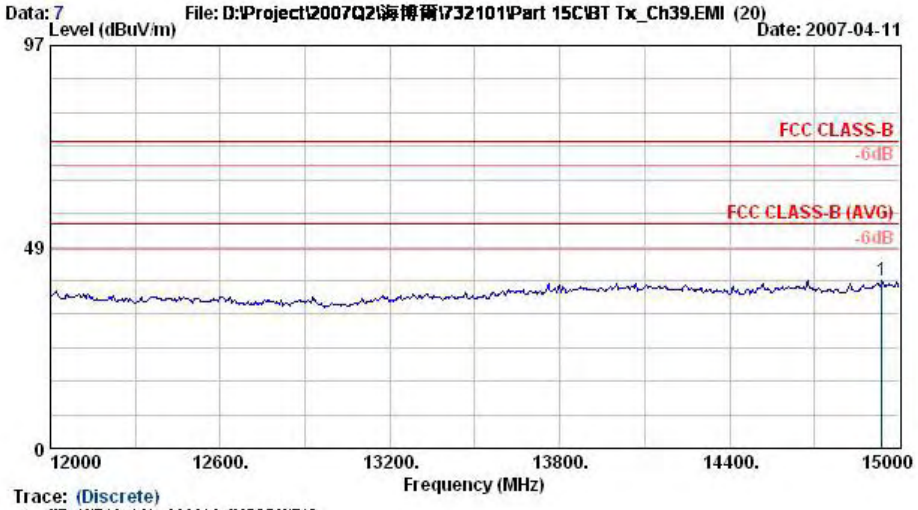
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	7881.00	56.71	-17.29	74.00	45.42	39.44	7.75	35.89	100	0	Peak
2 @	7881.00	45.49	-8.51	54.00	34.20	39.44	7.75	35.89	100	221	Average



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

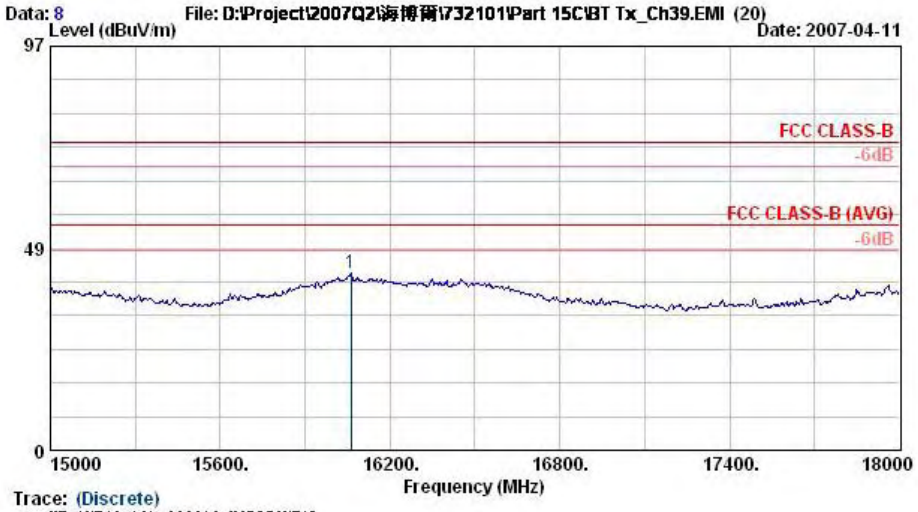
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11922.00	37.89	-36.11	74.00	73.77	-9.95	10.58	36.52	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

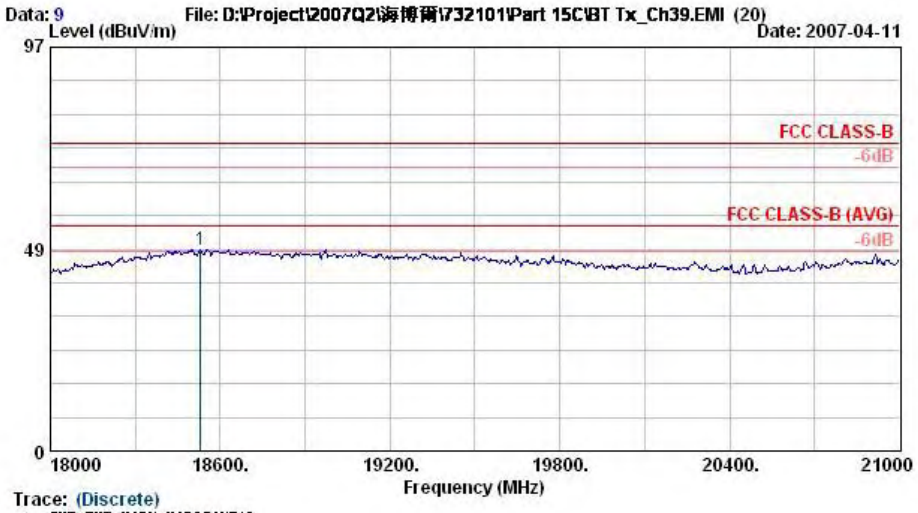
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14937.00	40.50	-33.50	74.00	71.42	-6.25	11.31	35.98	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

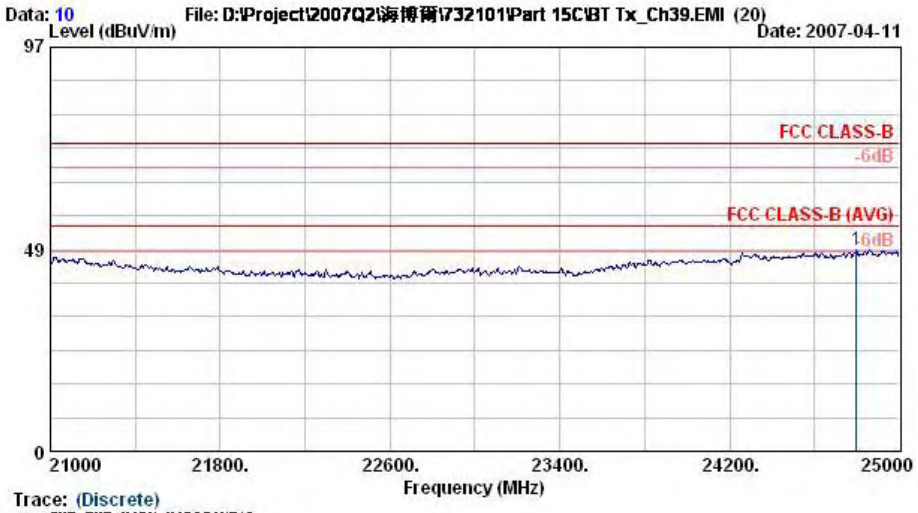
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16062.00	42.41	-31.59	74.00	70.80	-4.64	11.79	35.53	---	---	Peak



Trace: (Discrete)

Condition : SHF-EHF HORN HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	18531.00	48.46	-25.54	74.00	43.90	21.19	19.30	35.92	---	---	Peak



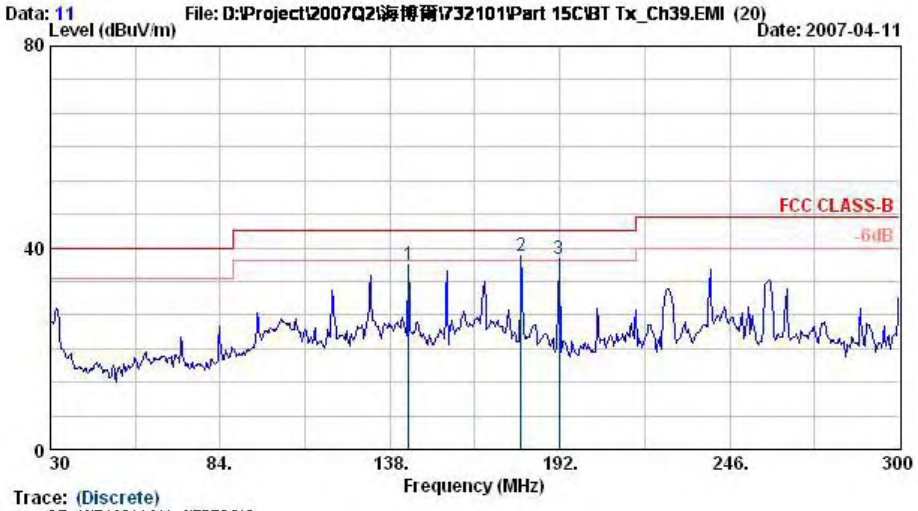
Condition : SHF-EHF HORN HORIZONTAL
EUT : 蓝牙成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	24796.00	48.24	-25.76	74.00	45.88	22.06	18.97	38.66	---	---	Peak

Remark: There's no more obvious spurious emission except the listings above.

- Test Mode : Mode 2
- Polarization : Vertical

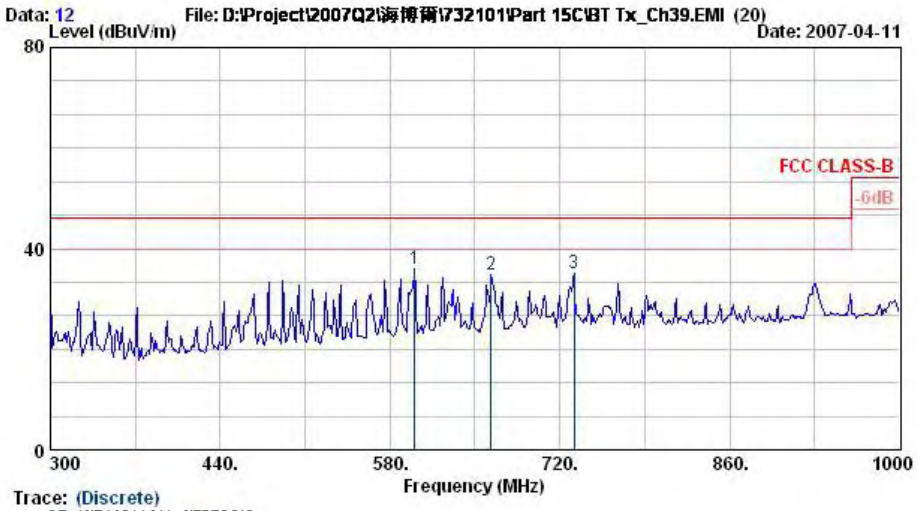
■ The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Condition : LF-ANT(95112) VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

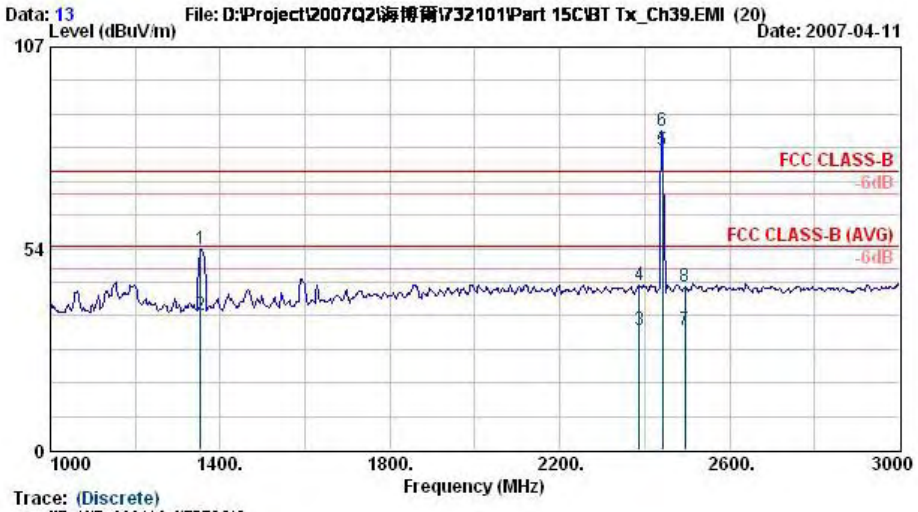
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	143.94	36.54	-6.96	43.50	55.52	10.30	1.77	31.05	---	---	Peak
2 @	179.58	38.49	-5.01	43.50	58.12	9.50	1.90	31.04	100	225	Peak
3 @	191.73	37.80	-5.70	43.50	57.39	9.36	2.06	31.01	---	---	Peak



Trace: (Discrete)

Condition : LF-ANT(95112) VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	600.30	36.03	-9.97	46.00	44.35	18.47	3.87	30.66	---	---	Peak
2 @	663.30	34.84	-11.16	46.00	42.59	18.74	4.16	30.63	---	---	Peak
3 @	731.90	34.98	-11.02	46.00	42.02	19.19	4.33	30.55	---	---	Peak

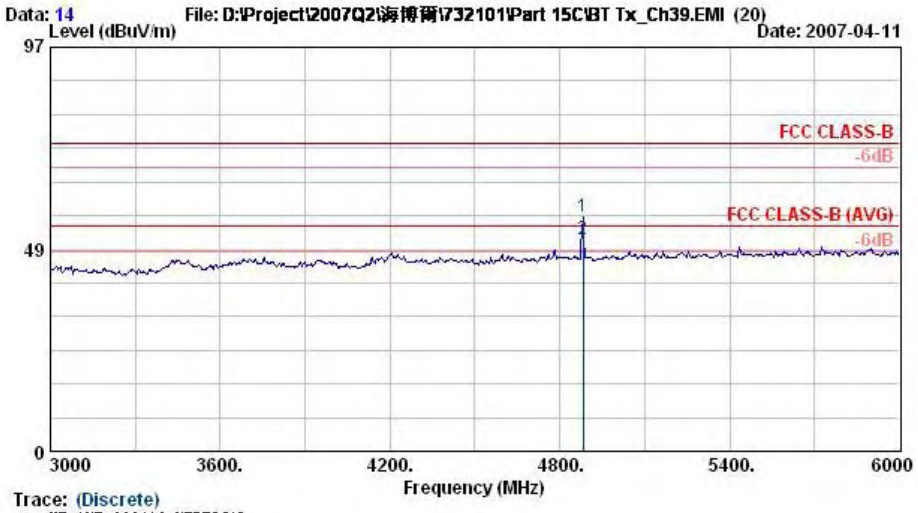


Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	1354.00	53.24	-20.76	74.00	60.80	25.58	2.82	35.96	100	0	Peak
2 @	1354.00	35.64	-18.36	54.00	43.20	25.58	2.82	35.96	100	191	Average
3 @	2388.00	31.73	-22.27	54.00	33.16	30.26	3.75	35.44	127	331	Average
4	2388.00	43.74	-30.26	74.00	45.17	30.26	3.75	35.44	100	0	Peak
5 @	2441.00	79.47			80.87	30.28	3.82	35.49	127	331	Average
6 @	2441.00	84.60			85.98	30.28	3.82	35.47	100	0	Peak
7 @	2494.00	31.93	-22.07	54.00	33.28	30.30	3.88	35.53	127	331	Average
8	2494.00	43.22	-30.78	74.00	44.57	30.30	3.88	35.53	100	0	Peak

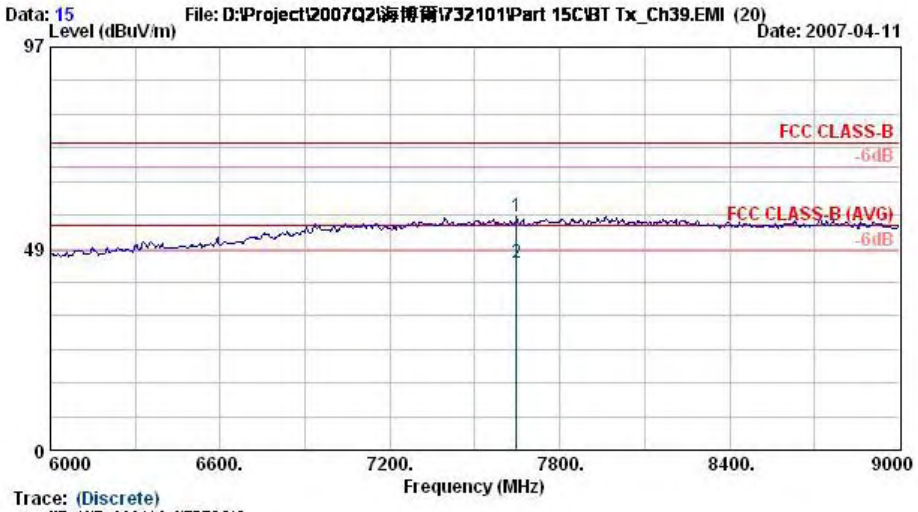
Remark: #5 and #6 Fundamental Signal



Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

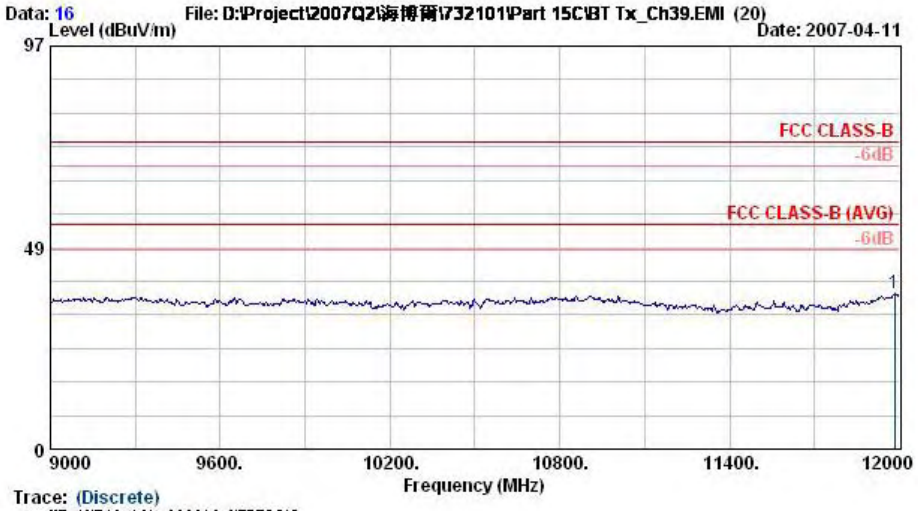
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	4882.00	56.15	-17.85	74.00	53.29	33.14	5.88	36.16	100	0	Peak
2 @	4882.00	50.84	-3.16	54.00	47.98	33.14	5.88	36.16	100	26	Average



Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

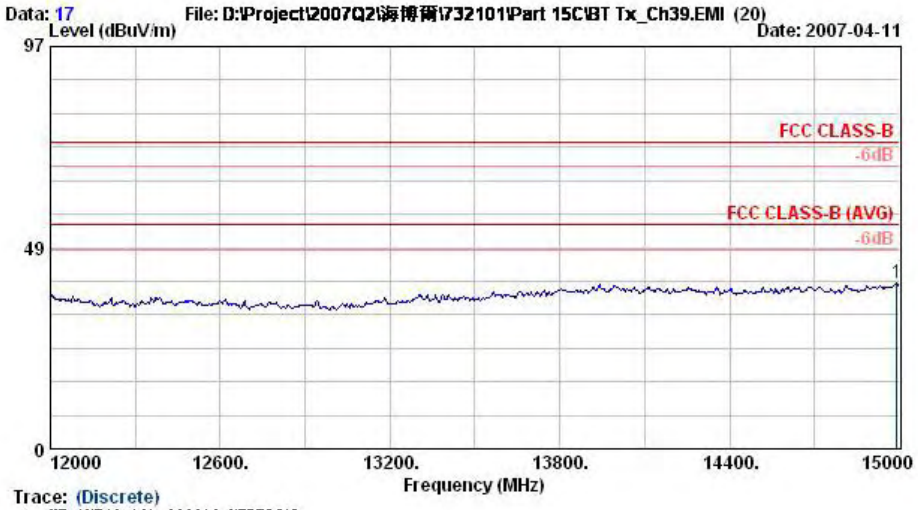
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	7647.00	56.36	-17.64	74.00	45.58	39.11	7.67	35.99	100	0	Peak
2 @	7647.00	45.08	-8.92	54.00	34.30	39.11	7.67	35.99	100	224	Average



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

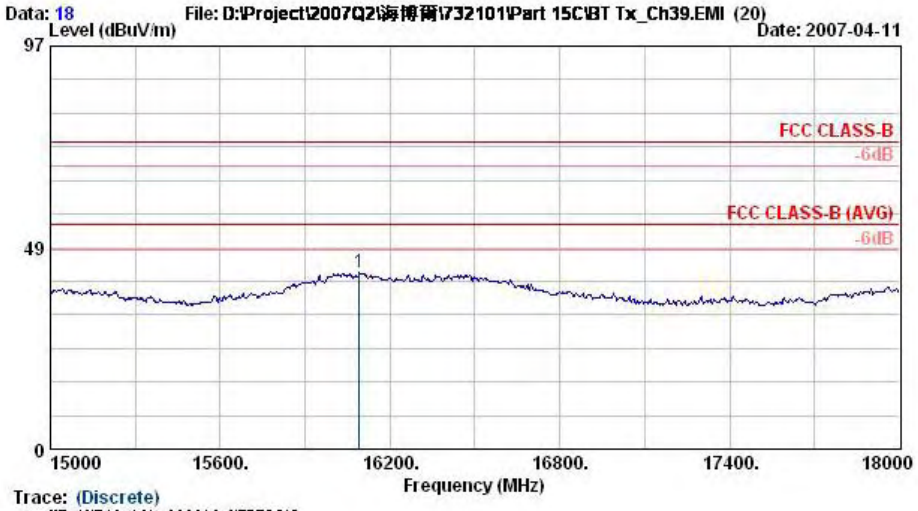
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11982.00	37.35	-36.65	74.00	72.99	-9.69	10.63	36.58	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

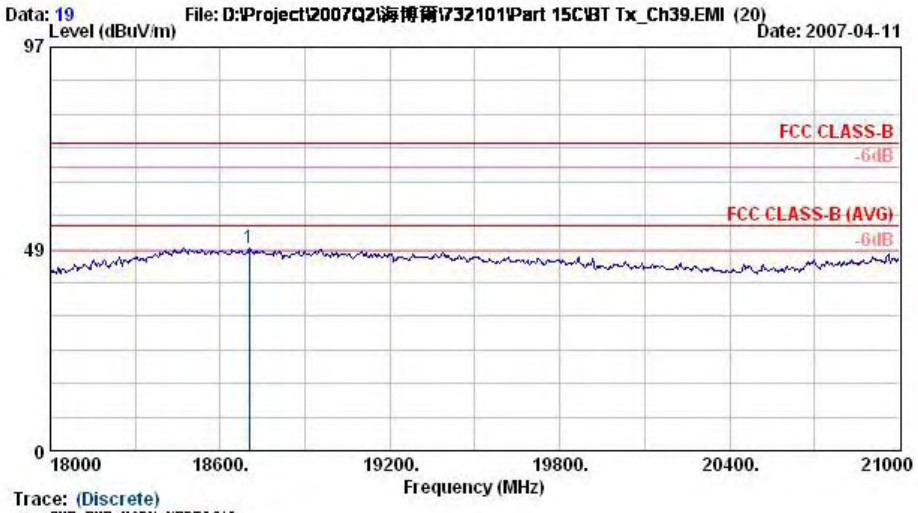
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14991.00	39.99	-34.01	74.00	70.96	-6.21	11.27	36.03	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

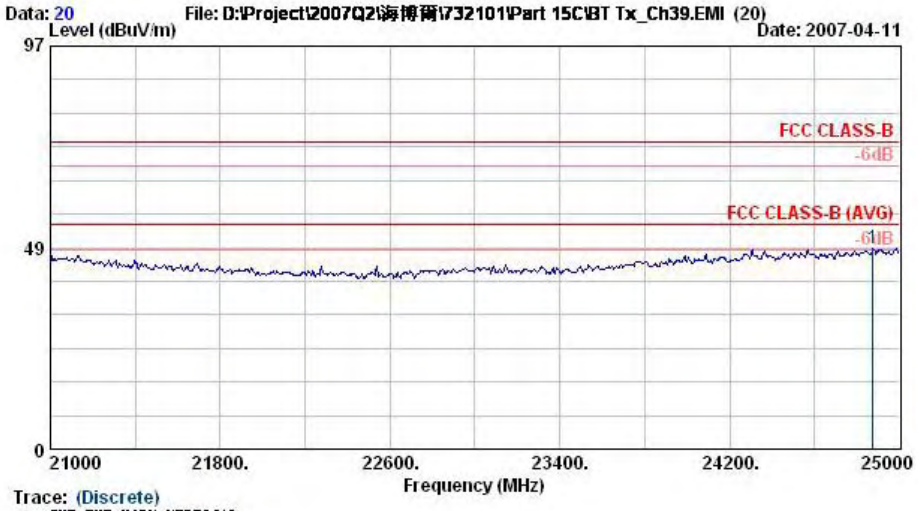
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16092.00	42.50	-31.50	74.00	70.96	-5.02	11.79	35.24	---	---	Peak



Trace: (Discrete)

Condition : SHF-EHF HORN VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	18702.00	48.77	-25.23	74.00	44.50	21.28	18.85	35.86	---	---	Peak



Trace: (Discrete)

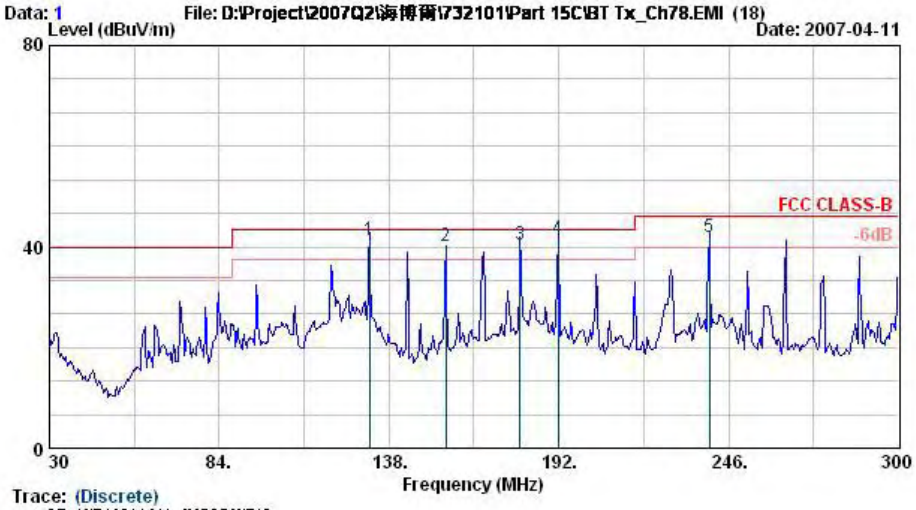
Condition : SHF-EHF HORN VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch39;2441MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	24876.00	48.31	-25.69	74.00	46.16	21.94	18.80	38.59	---	---	Peak

Remark: There's no more obvious spurious emission except the listings above.

- Test Mode : Mode 3
- Polarization : Horizontal

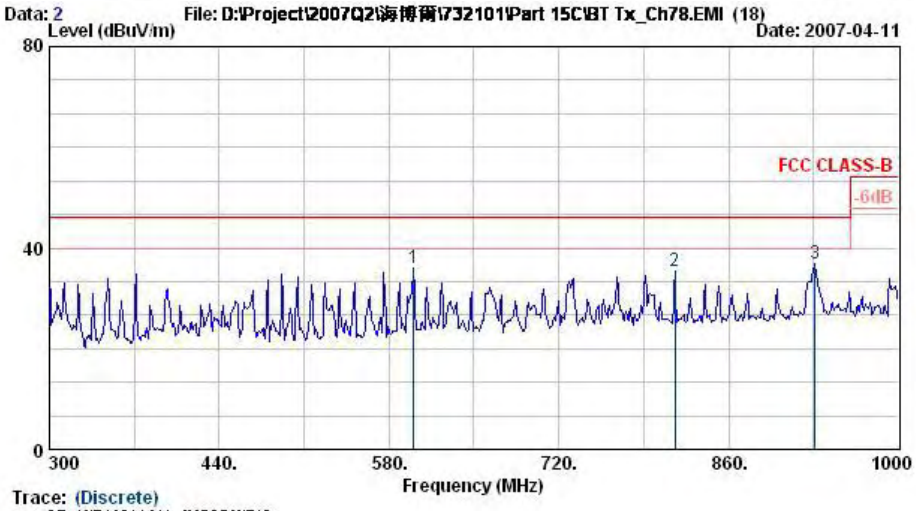
■ The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Condition : LF-ANT(951121) HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

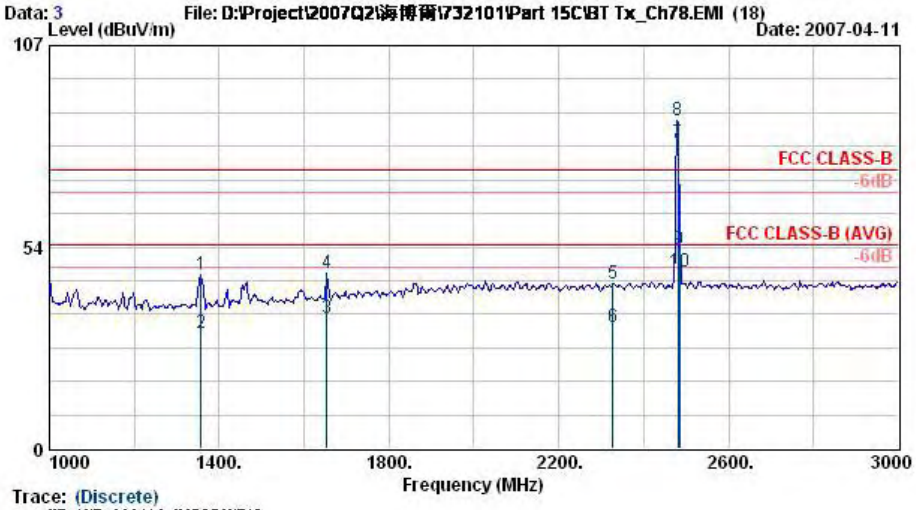
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	131.79	41.32	-2.18	43.50	59.20	11.54	1.66	31.08	180	246	QP
2 @	156.09	40.26	-3.24	43.50	59.22	10.24	1.85	31.05	---	---	Peak
3 @	179.58	40.47	-3.03	43.50	60.10	9.50	1.90	31.04	154	336	QP
4 @	191.73	41.72	-1.78	43.50	61.32	9.36	2.06	31.01	189	289	QP
5 @	239.79	41.83	-4.17	46.00	58.80	11.64	2.32	30.93	200	301	QP



Trace: (Discrete)

Condition : LF-ANT(951121) HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

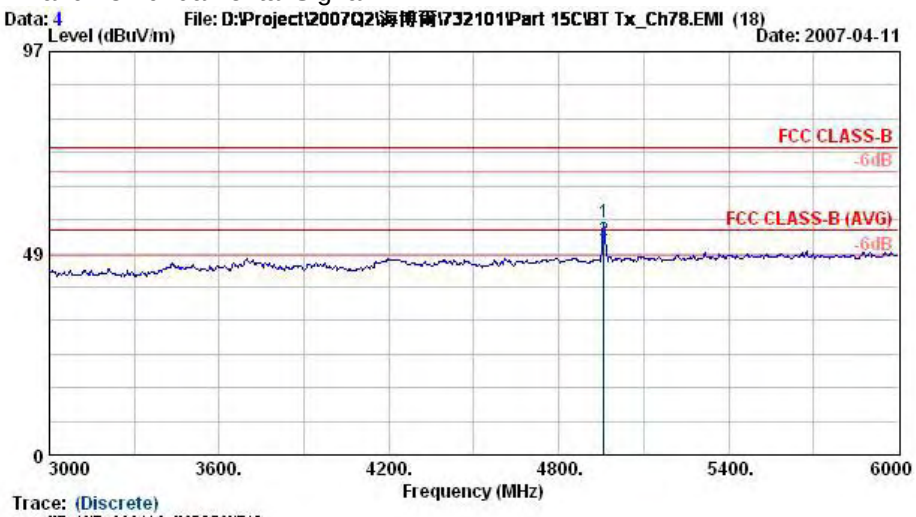
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	600.30	36.03	-9.97	46.00	44.35	18.47	3.87	30.66	---	---	Peak
2	815.90	35.53	-10.47	46.00	41.43	19.93	4.64	30.47	---	---	Peak
3 @	931.40	36.89	-9.11	46.00	41.54	20.75	4.91	30.31	---	---	Peak



Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

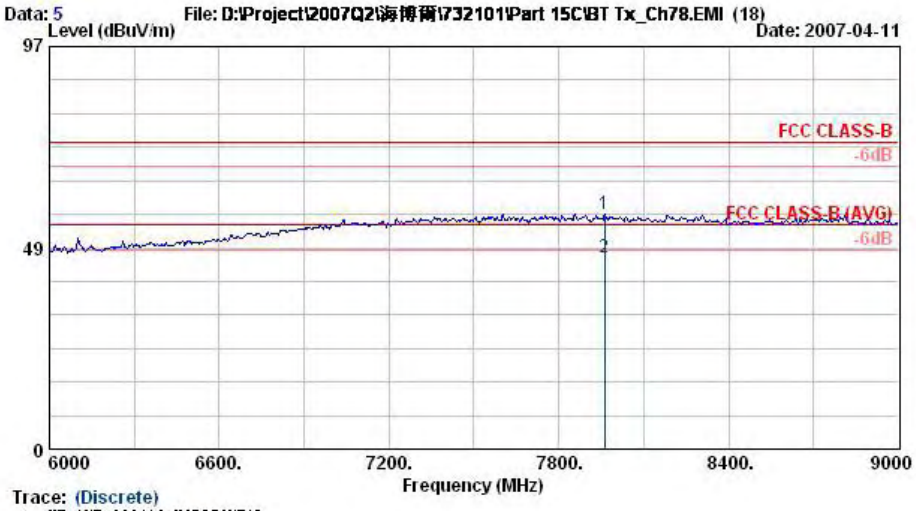
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1358.00	46.21	-27.79	74.00	53.77	25.58	2.82	35.96	100	0	Peak
2	1358.00	30.68	-23.32	54.00	38.24	25.58	2.82	35.96	100	214	Average
3	1654.00	34.57	-19.43	54.00	39.79	27.30	3.01	35.53	100	214	Average
4	1654.00	46.43	-27.57	74.00	51.66	27.30	3.01	35.53	100	0	Peak
5	2328.00	43.79	-30.21	74.00	45.28	30.23	3.69	35.40	100	0	Peak
6	2328.00	32.18	-21.82	54.00	33.67	30.23	3.69	35.40	102	345	Average
7 @	2480.00	81.12			82.48	30.29	3.86	35.51	102	345	Average
8 @	2480.00	87.04			88.40	30.29	3.86	35.51	100	0	Peak
9	2483.50	52.72	-21.28	74.00	54.08	30.29	3.86	35.51	100	0	Peak
10 @	2483.50	47.03	-6.97	54.00	48.39	30.29	3.86	35.51	102	345	Average

Remark: #7 and #8 Fundamental Signal



Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

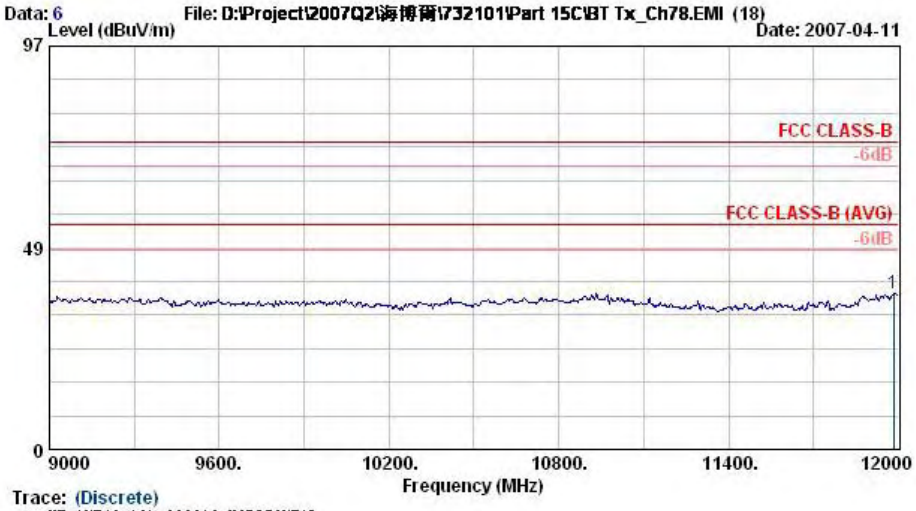
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	55.96	-18.04	74.00	52.79	33.47	5.93	36.23	100	0	Peak
2 @	4960.00	51.41	-2.59	54.00	48.24	33.47	5.93	36.23	100	355	Average



Trace: (Discrete)

Condition : HF-ANT-060410 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

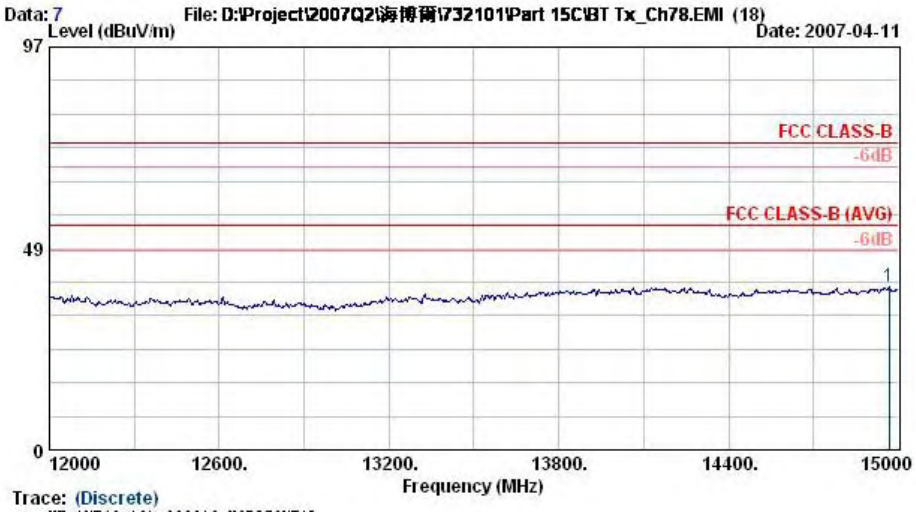
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7962.00	56.78	-17.22	74.00	45.30	39.55	7.78	35.86	---	---	Peak
2 @	7962.00	46.07	-7.93	54.00	34.60	39.55	7.78	35.86	100	265	Average



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

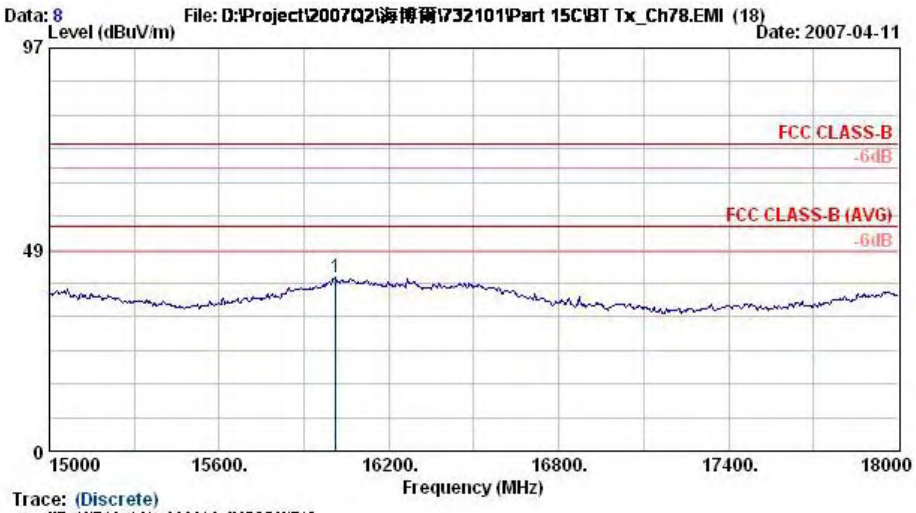
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11982.00	37.41	-36.59	74.00	73.05	-9.69	10.63	36.58	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

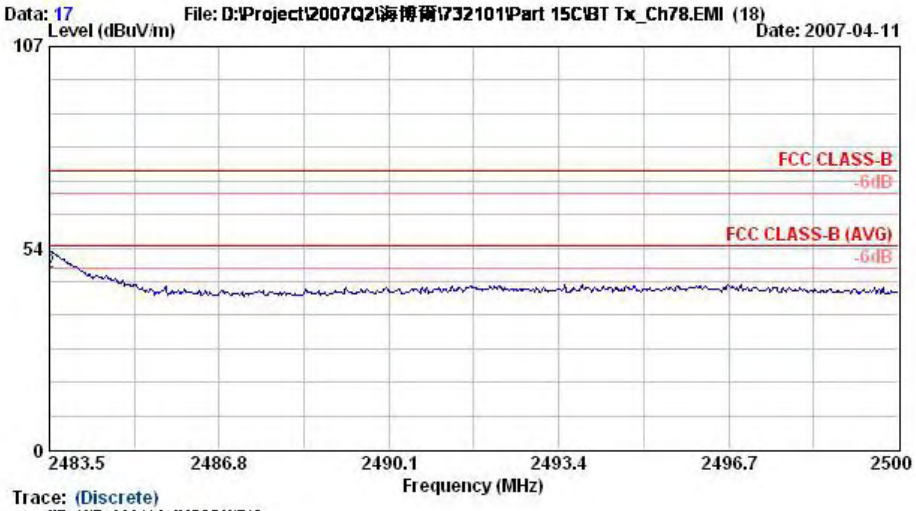
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14967.00	39.27	-34.73	74.00	70.21	-6.22	11.29	36.01	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 HORTZONTAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16011.00	41.72	-32.28	74.00	70.10	-4.02	11.77	36.13	---	---	Peak



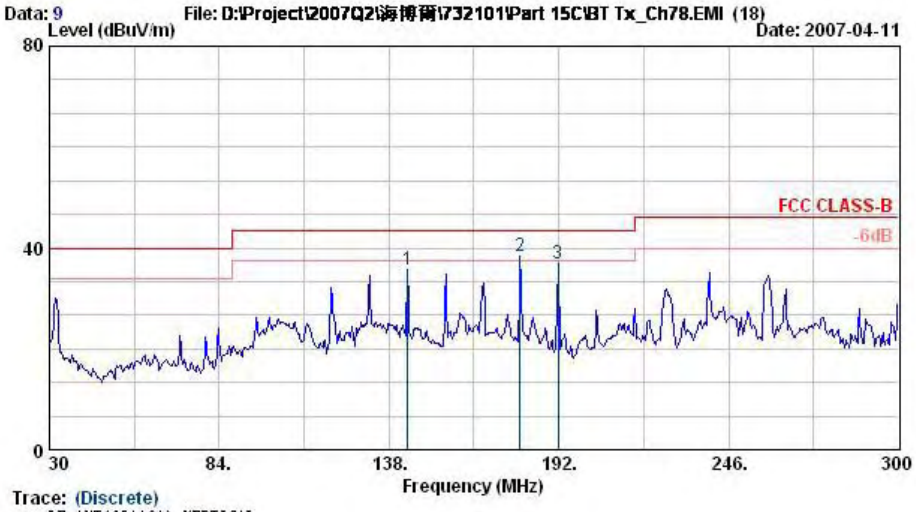
Condition : HF-ANT-060410 HORIZONTAL
EUT : 蓝牙成品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2483.50	52.72	-21.28	74.00	54.08	30.29	3.86	35.51	100	0	Peak
2 @	2483.50	47.03	-6.97	54.00	48.39	30.29	3.86	35.51	102	345	Average

Remark: There's no more obvious spurious emission except the listings above.

- Test Mode : Mode 3
- Polarization : Vertical

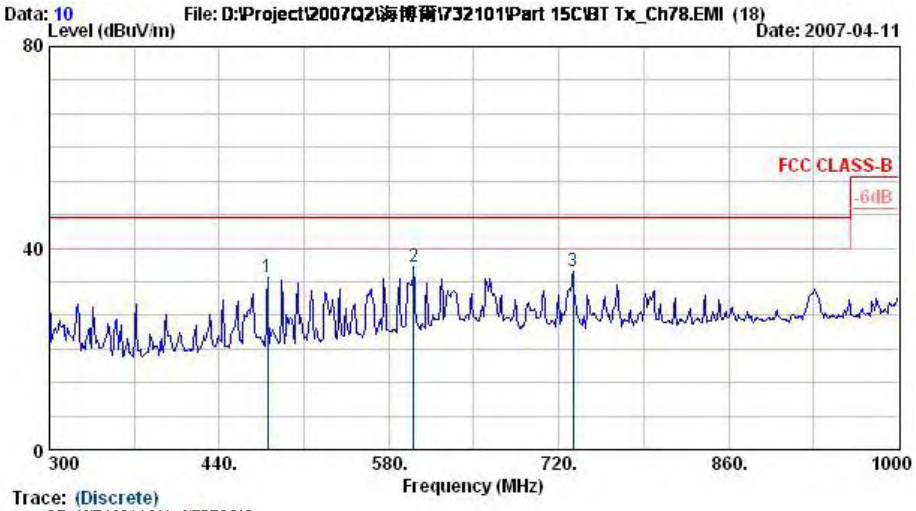
■ The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Condition : LF-ANT(951121) VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

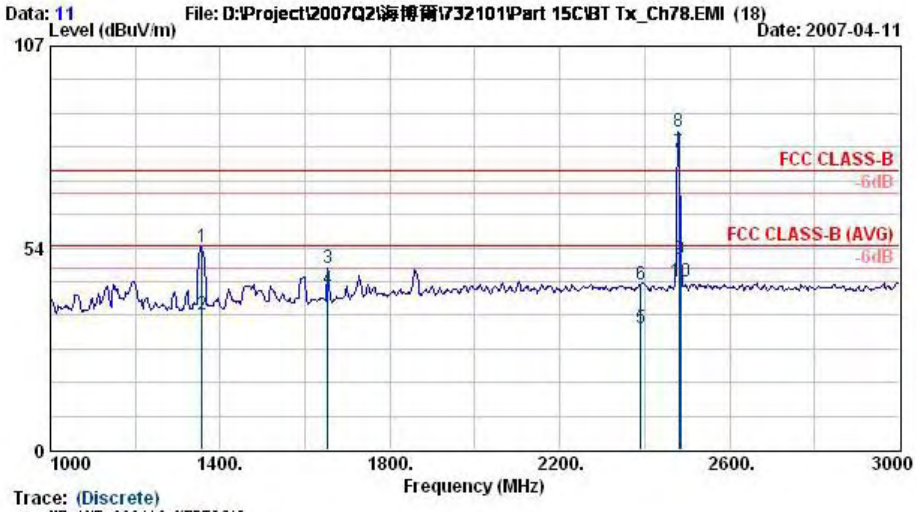
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	143.94	35.74	-7.76	43.50	54.72	10.30	1.77	31.05	---	---	Peak
2 @	179.58	38.25	-5.25	43.50	57.88	9.50	1.90	31.04	100	257	Peak
3 @	191.73	36.89	-6.61	43.50	56.49	9.36	2.06	31.01	---	---	Peak



Trace: (Discrete)

Condition : LF-ANT(951121) VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	479.90	34.16	-11.84	46.00	44.43	17.09	3.45	30.81	---	---	Peak
2	600.30	36.25	-9.75	46.00	44.57	18.47	3.87	30.66	---	---	Peak
3	731.90	35.36	-10.64	46.00	42.40	19.19	4.33	30.55	---	---	Peak

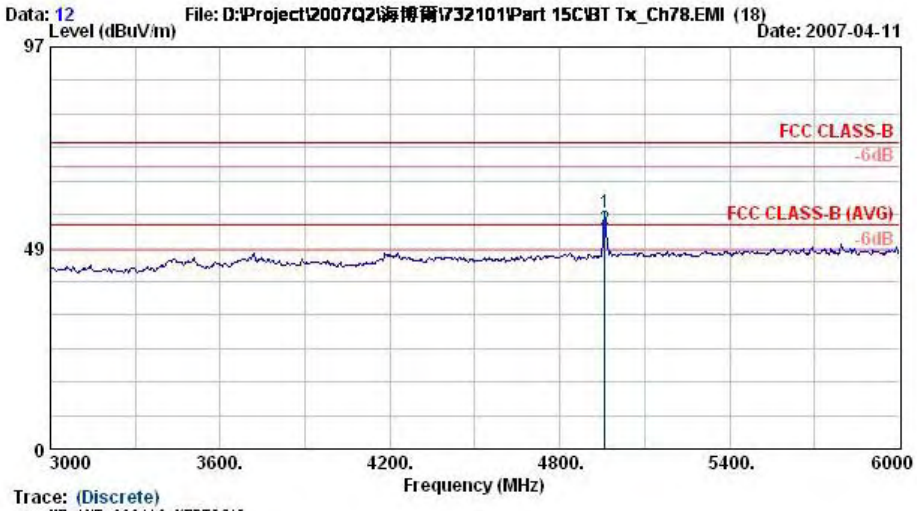


Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1358.00	53.83	-20.17	74.00	61.40	25.58	2.82	35.96	100	0	Peak
2	1358.00	35.74	-18.26	54.00	43.30	25.58	2.82	35.96	100	227	Average
3	1654.00	48.07	-25.93	74.00	53.29	27.30	3.01	35.53	100	0	Peak
4	1654.00	42.44	-11.56	54.00	47.66	27.30	3.01	35.53	100	227	Average
5	2390.00	32.09	-21.91	54.00	33.54	30.26	3.75	35.46	108	331	Average
6	2390.00	43.77	-30.23	74.00	45.22	30.26	3.75	35.46	100	0	Peak
7 @	2480.00	78.85			80.21	30.29	3.86	35.51	108	331	Average
8 @	2480.00	84.34			85.70	30.29	3.86	35.51	100	0	Peak
9	2483.50	50.40	-23.60	74.00	51.76	30.29	3.86	35.51	100	0	Peak
10	2483.50	44.59	-9.41	54.00	45.95	30.29	3.86	35.51	108	331	Average

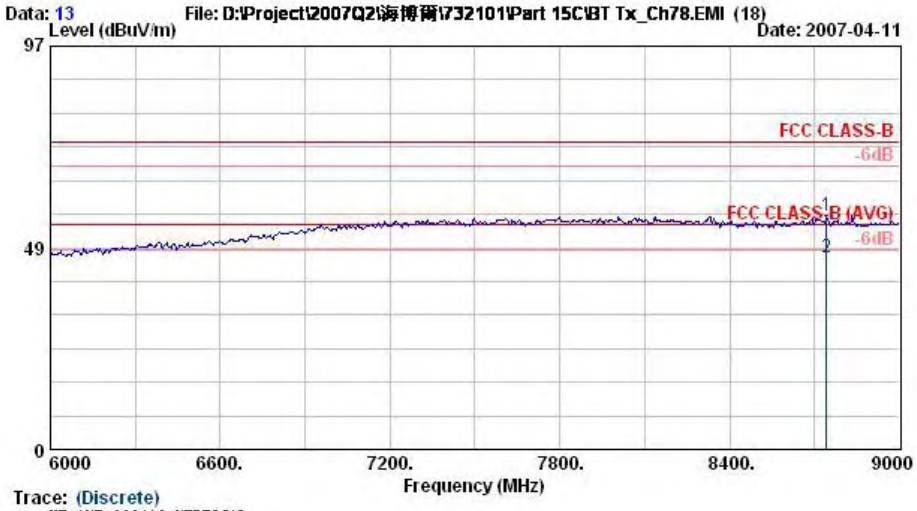
Remark: #7 and #8 Fundamental Signal



Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

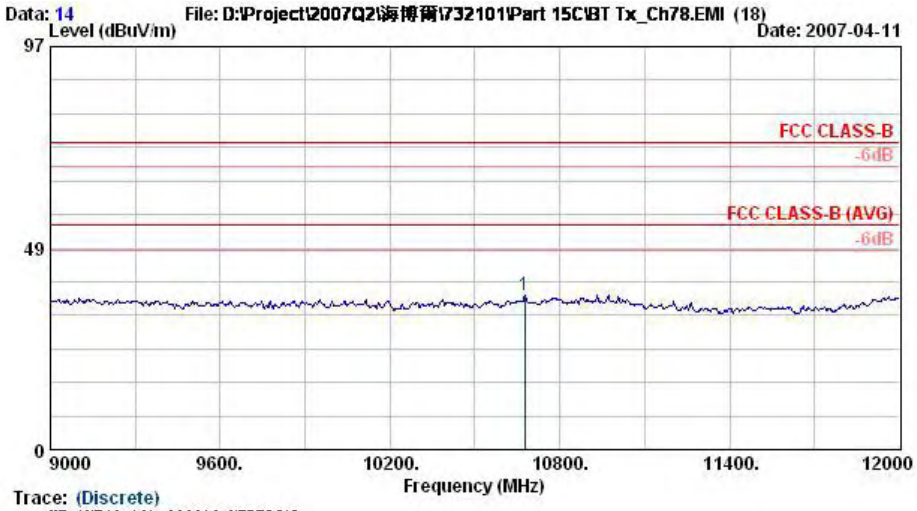
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	57.10	-16.90	74.00	53.93	33.47	5.93	36.23	100	0	Peak
2 @	4960.00	52.95	-1.05	54.00	49.78	33.47	5.93	36.23	100	282	Average



Trace: (Discrete)

Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

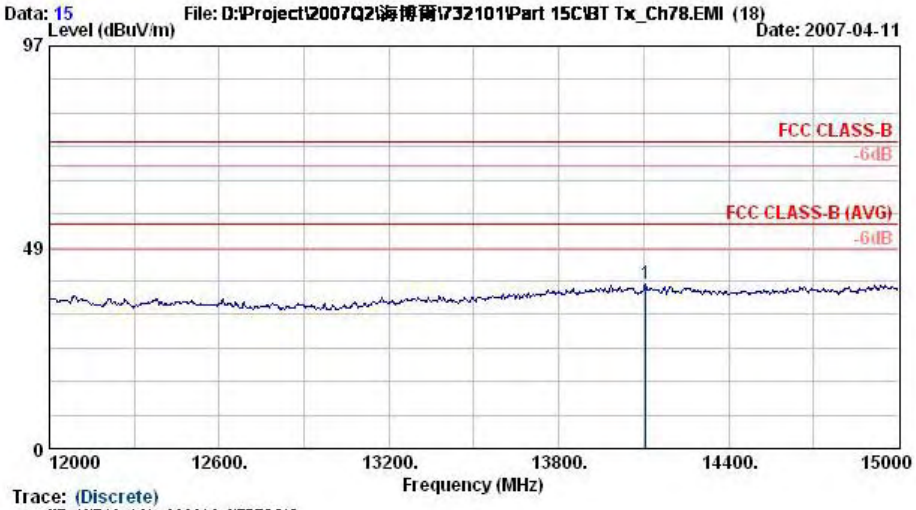
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	8742.00	56.20	-17.80	74.00	44.90	38.87	8.72	36.29	100	0	Peak
2 @	8742.00	46.10	-7.90	54.00	34.80	38.87	8.72	36.29	100	334	Average



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

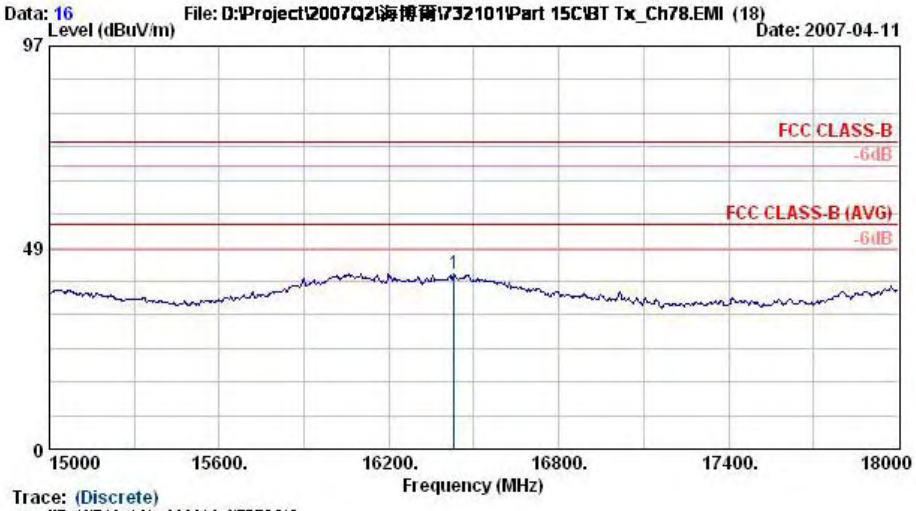
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10677.00	37.23	-36.77	74.00	72.44	-8.43	9.62	36.41	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

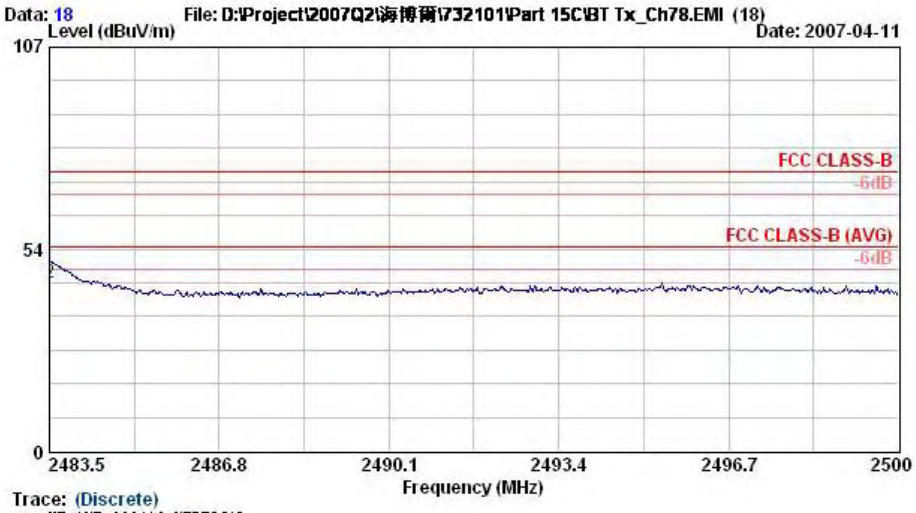
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14106.00	39.58	-34.42	74.00	68.88	-6.21	11.65	34.73	---	---	Peak



Trace: (Discrete)

Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16431.00	42.27	-31.73	74.00	71.04	-9.23	11.86	31.40	---	---	Peak



Condition : HF-ANT-060410 VERTICAL
EUT : 藍芽產品
Power : From USB
Model : FR 732101
Memo : BT Tx_Ch78;2480MHz
Data Rate : DH5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2483.50	50.40	-23.60	74.00	51.76	30.29	3.86	35.51	100	0	Peak
2 @	2483.50	44.59	-9.41	54.00	45.95	30.29	3.86	35.51	108	331	Average

Remark: There's no more obvious spurious emission except the listings above.

5.10 Antenna Requirements

5.10.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.10.2 Antenna Connected Construction

The antenna used in this product is a chip antenna without connecter and it is considered to meet antenna requirement of FCC.

5.10.3 Antenna Gain

The antenna gain of EUT is less than 6dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

6. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz – 2.75GHz	Jul. 04, 2006	Jul. 04, 2007	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9kHz – 30MHz	Apr. 28, 2006	Apr. 28, 2007	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Apr. 19, 2006	Apr. 19, 2007	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	N/A	Conduction (CO01-HY)
RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9kHz – 30MHz	Dec. 04, 2006	Dec. 04, 2007	Conduction (CO01-HY)
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Controller	INN-CO	CO2000	N/A	N/A	N/A	N/A	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	10094	1G~18G	Dec. 26, 2006	Dec. 25, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0 ~ 360 degree	N/A	N/A	Radiation (03CH06-HY)
Antenna Mast	INN-CO	MM3000	114/8000604/L	1 m - 4 m	N/A	N/A	Radiation (03CH06-HY)
Base Station Simulator	R & S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)

7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
combined standard uncertainty Uc(y)	**1.13**		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	**2.26**		

Uncertainty of Radiated Emission Evaluation (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.15	Normal(k=2)	0.08
Antenna factor calibration	1.12	Normal(k=2)	0.56
Cable loss calibration	0.12	Normal(k=2)	0.06
Pre Amplifier Gain calibration	0.13	Normal(k=2)	0.07
RCV/SPA specification	2.5	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1	Rectangular	0.29
Site imperfection	2.1	Rectangular	1.21
Mismatch	+0.39/-0.41	U-shaped	0.28
combined standard uncertainty Uc(y)	**1.58**		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	**3.16**		

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of x_i		$u(x_i)$	Ci	$Ci*u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR Γ1= 0.197 Antenna VSWR Γ2= 0.194 Uncertainty=20log(1-Γ1*Γ2*Γ3)	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty Uc(y)	**2.36**				
Measuring uncertainty for a level of confidence of 95% U=2Ue(y)	**4.72**				