



Test Report

Product Name : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA

Model No. : LX2

FCC ID. : YJ8-LX2

Applicant : Looxcie, Inc.

Address : 1196 Borregas Ave, Ste 200 Sunnyvale California 94089 United States

Date of Receipt : 2011/04/27

Issued Date : 2011/05/03

Report No. : 115024R-RFUSP43V01

Report Version : V1.0

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification

Issued Date : 2011/05/03

Report No. : 115024R-RFUSP43V01



Product Name : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA
 Applicant : Looxcie, Inc.
 Address : 1196 Borregas Ave, Ste 200 Sunnyvale California 94089 United States
 Manufacturer : Fugang Electric (Kunshan) Co., Ltd.
 Model No. : LX2
 FCC ID. : YJ8-LX2
 EUT Voltage : DC 5V
 Trade Name : LOOXCIE
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2010
 Test Result : Complied

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : Sandy Chuang
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Reviewed By : Ben Huang
 (Ben Huang / Engineer)

Approved By : Roy Wang
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1. General Information

1.1. EUT Description

Product Name	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA
Trade Name	LOOXCIE
Model No.	LX2
Frequency Range	2402~2480MHz
Channel Number	79
Type of Modulation	GFSK (1Mbps), $\pi/4$ -DQPSK (2Mbps), 8-DPSK (3Mbps)
Channel Control	Auto
Antenna Type	Multilayer Chip Antenna
Antenna Gain	-8.62dBi

Component	
USB Cable	Shielded, 0.5m

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 20	2422 MHz	Channel 40	2442 MHz	Channel 60	2462 MHz
Channel 01	2403 MHz	Channel 21	2423 MHz	Channel 41	2443 MHz	Channel 61	2463 MHz
Channel 02	2404 MHz	Channel 22	2424 MHz	Channel 42	2444 MHz	Channel 62	2464 MHz
Channel 03	2405 MHz	Channel 23	2425 MHz	Channel 43	2445 MHz	Channel 63	2465 MHz
Channel 04	2406 MHz	Channel 24	2426 MHz	Channel 44	2446 MHz	Channel 64	2466 MHz
Channel 05	2407 MHz	Channel 25	2427 MHz	Channel 45	2447 MHz	Channel 65	2467 MHz
Channel 06	2408 MHz	Channel 26	2428 MHz	Channel 46	2448 MHz	Channel 66	2468 MHz
Channel 07	2409 MHz	Channel 27	2429 MHz	Channel 47	2449 MHz	Channel 67	2469 MHz
Channel 08	2410 MHz	Channel 28	2430 MHz	Channel 48	2450 MHz	Channel 68	2470 MHz
Channel 09	2411 MHz	Channel 29	2431 MHz	Channel 49	2451 MHz	Channel 69	2471 MHz
Channel 10	2412 MHz	Channel 30	2432 MHz	Channel 50	2452 MHz	Channel 70	2472 MHz
Channel 11	2413 MHz	Channel 31	2433 MHz	Channel 51	2453 MHz	Channel 71	2473 MHz
Channel 12	2414 MHz	Channel 32	2434 MHz	Channel 52	2454 MHz	Channel 72	2474 MHz
Channel 13	2415 MHz	Channel 33	2435 MHz	Channel 53	2455 MHz	Channel 73	2475 MHz
Channel 14	2416 MHz	Channel 34	2436 MHz	Channel 54	2456 MHz	Channel 74	2476 MHz
Channel 15	2417 MHz	Channel 35	2437 MHz	Channel 55	2457 MHz	Channel 75	2477 MHz
Channel 16	2418 MHz	Channel 36	2438 MHz	Channel 56	2458 MHz	Channel 76	2478 MHz
Channel 17	2419 MHz	Channel 37	2439 MHz	Channel 57	2459 MHz	Channel 77	2479 MHz
Channel 18	2420 MHz	Channel 38	2440 MHz	Channel 58	2460 MHz	Channel 78	2480 MHz
Channel 19	2421 MHz	Channel 39	2441 MHz	Channel 59	2461 MHz		

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. The transmitter is presented with a continuous data stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its 79 channels and over the minimum number of hopping channels (75 channels).

The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hop sets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Note:

1. This device is a BT 2.1 + EDR HEADSET WITH VIDEO CAMERA including a 2.4GHz receiving function, and transmitting function.
2. This device has three modulation types (GFSK, $\pi/4$ -DQPSK, 8PSK). We measured and found the worst case of these three modulation types. Only the worst case measured all test items.
3. These test results on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
4. Regards to the frequency band operation; the lowest , middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
6. This device is a composite device in accordance with Part 15 regulations. The function receiving was measured and made a test report that the report number is 115024R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-Test Mode	
EMI	Mode 1: Transmit (GFSK) Mode 2: Transmit ($\pi/4$ -DQPSK) Mode 3: Transmit (8PSK)
Final Test Mode	
EMI	Mode 1: Transmit (GFSK) Mode 2: Transmit ($\pi/4$ -DQPSK) Mode 3: Transmit (8PSK)

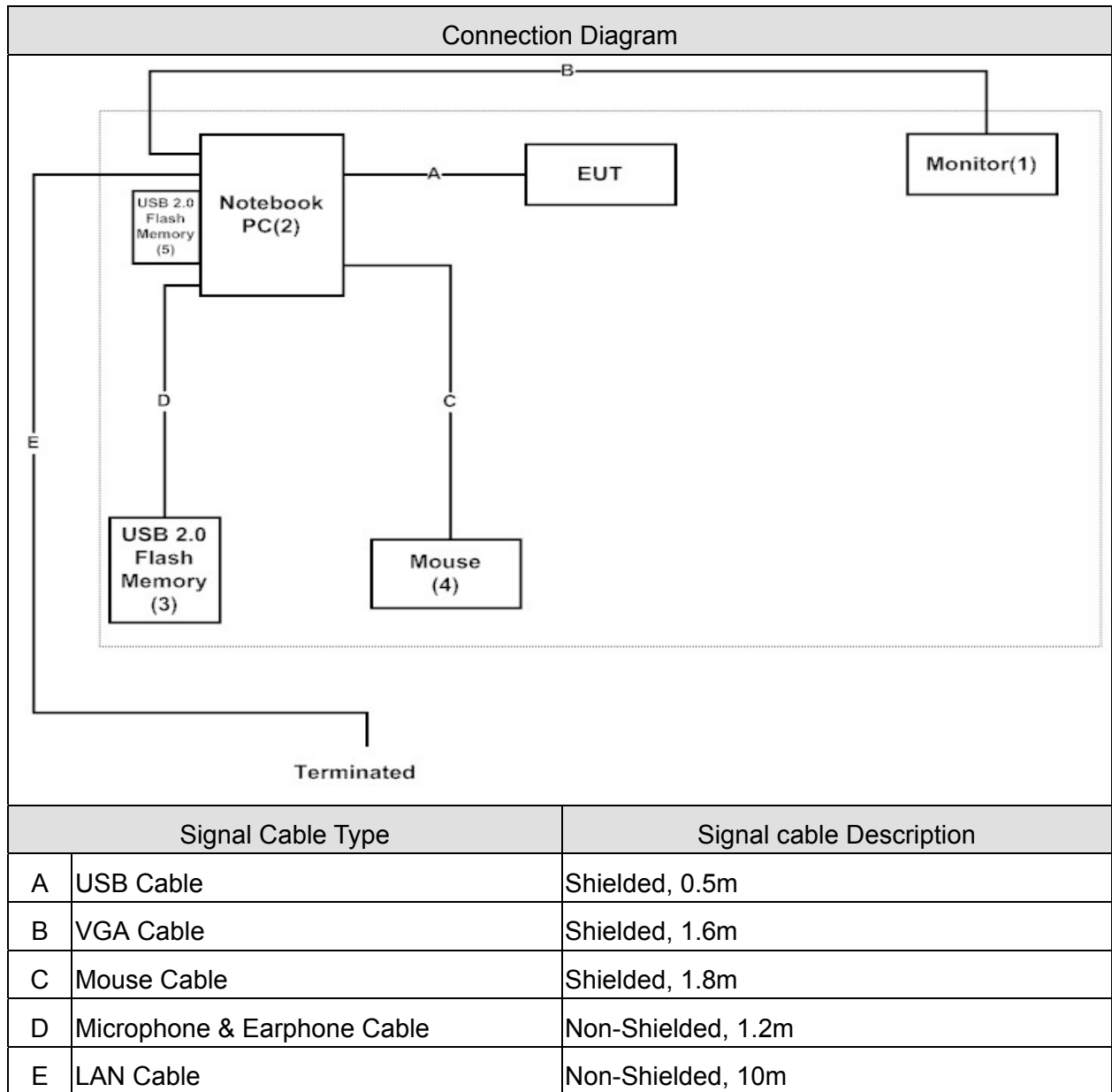
Emission	Mode 1	Mode 2	Mode 3
Conducted Emission	Yes	No	No
Peak Power Output	Yes	Yes	Yes
Radiated Emission	Yes	No	No
RF antenna conducted test	Yes	No	No
Band Edge	Yes	No	No
Channel of Number	Yes	No	No
Channel Separation	Yes	Yes	Yes
Occupied Bandwidth	Yes	Yes	Yes
Dwell Time	Yes	No	No

1.4. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Monitor	CHI MEI	A170E1-09	3UC120955CA0088	DoC	Non-Shielded, 1.8m
2	Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m
3	Microphone & Earphone	Fujiei	SBZ-38	N/A	DoC	--
4	Mouse	Logitech	M-SBF83	HCA52200315	DoC	--
5	USB 2.0 Flash Memory	Ridata	PEN000-DP065-37	N/A	DoC	--

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5
2	Execute the BlueSuite V2.0 which is installed on the Notebook
3	Configure the test mode, the test channel.
4	Press "TXDATA1" to start the continuous Transmitter
5	Verify that the EUT works properly.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (FHSS)	15 - 35	23
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	54
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Channel Of Number (FHSS)	15 - 35	23
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Channel Separation (FHSS)	15 - 35	23
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Dwell Time (FHSS)	15 - 35	23
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description: September 27, 2010 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520
Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2013



Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2011



Site Name: Quietek Corporation

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TEL : 886-3-5928858 / FAX : 886-3-5928859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

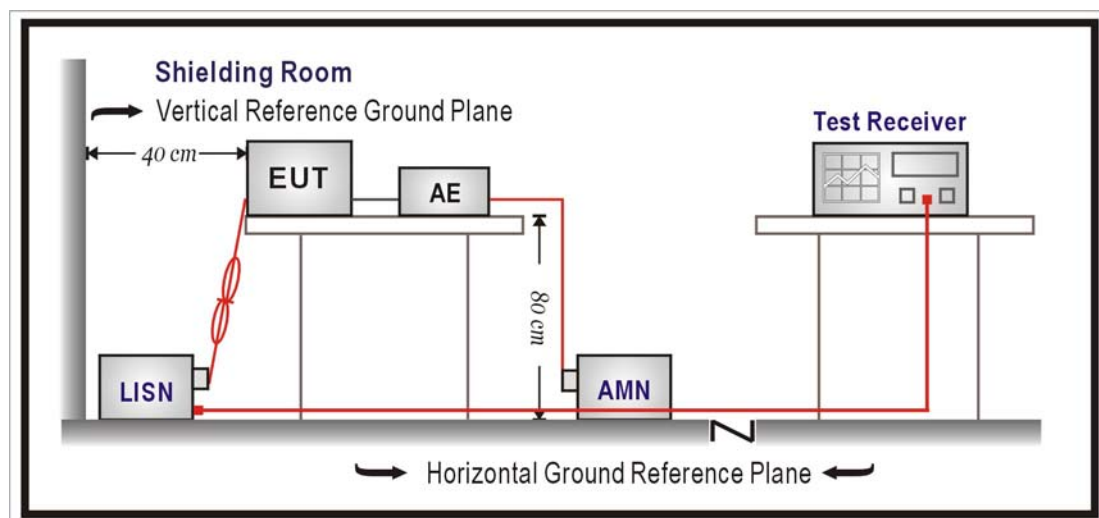
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2011/09/20
LISN	R&S	ESH3-Z5	836679/022	2012/02/10
Test Receiver	R&S	ESCS 30	825442/017	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

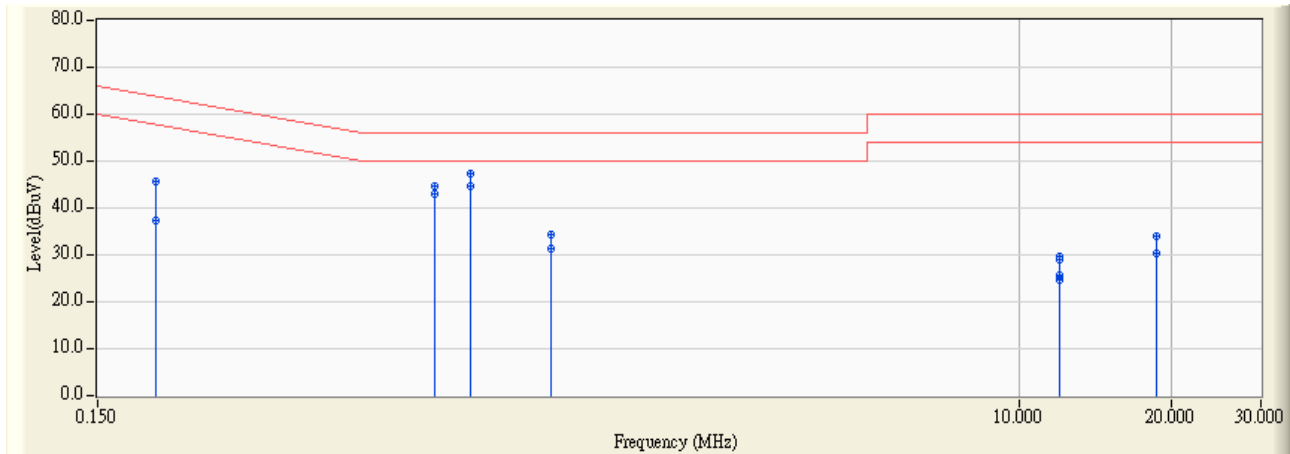
According to FCC Part 15 Subpart C Paragraph 15.207: 2010

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2011/04/28 - 21:44
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line1	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)

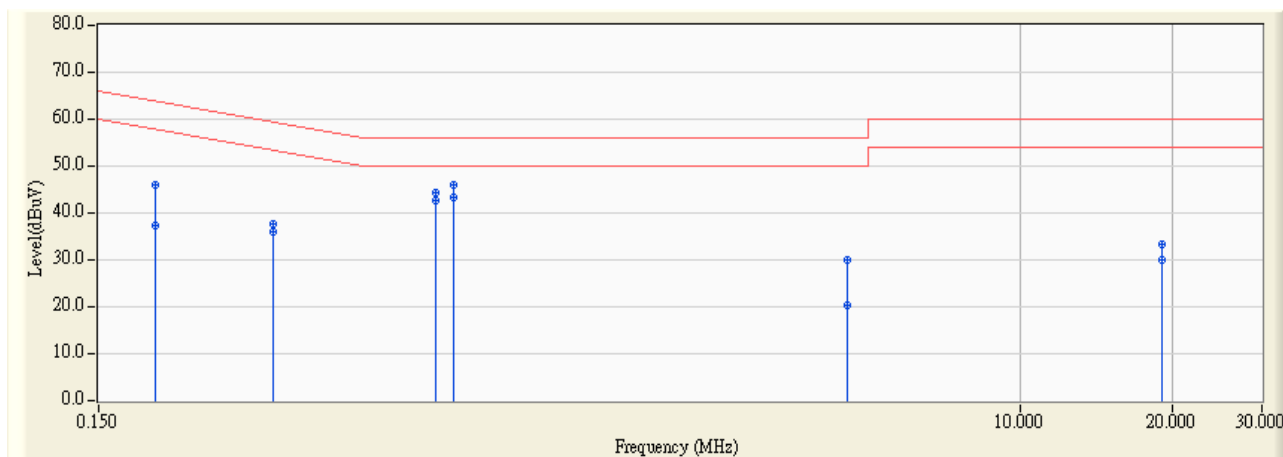


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.195	9.661	36.090	45.751	-18.071	63.822	QUASIPeAK
2		0.195	9.661	27.750	37.411	-16.411	53.822	AVERAGE
3		0.697	9.806	34.770	44.576	-11.424	56.000	QUASIPeAK
4		0.697	9.806	33.310	43.116	-2.884	46.000	AVERAGE
5		0.818	9.864	37.580	47.444	-8.556	56.000	QUASIPeAK
6	*	0.818	9.864	34.850	44.714	-1.286	46.000	AVERAGE
7		1.182	9.889	24.280	34.169	-21.831	56.000	QUASIPeAK
8		1.182	9.889	21.280	31.169	-14.831	46.000	AVERAGE
9		11.987	10.148	19.440	29.588	-30.412	60.000	QUASIPeAK
10		11.987	10.148	15.450	25.598	-24.402	50.000	AVERAGE
11		11.988	10.148	18.880	29.028	-30.972	60.000	QUASIPeAK
12		11.988	10.148	14.530	24.678	-25.322	50.000	AVERAGE
13		18.696	10.285	23.550	33.834	-26.166	60.000	QUASIPeAK
14		18.696	10.285	19.930	30.214	-19.786	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR3	Time : 2011/04/28 - 21:51
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line2	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.194	9.662	36.250	45.912	-17.953	63.865	QUASIPeAK
2		0.194	9.662	27.630	37.292	-16.573	53.865	AVERAGE
3		0.333	9.653	27.900	37.553	-21.833	59.386	QUASIPeAK
4		0.333	9.653	26.190	35.843	-13.543	49.386	AVERAGE
5		0.697	9.806	34.390	44.196	-11.804	56.000	QUASIPeAK
6		0.697	9.806	33.000	42.806	-3.194	46.000	AVERAGE
7		0.757	9.837	36.140	45.977	-10.023	56.000	QUASIPeAK
8	*	0.757	9.837	33.640	43.477	-2.523	46.000	AVERAGE
9		4.535	10.098	19.910	30.008	-25.992	56.000	QUASIPeAK
10		4.535	10.098	10.350	20.448	-25.552	46.000	AVERAGE
11		19.064	10.466	22.720	33.186	-26.814	60.000	QUASIPeAK
12		19.064	10.466	19.500	29.966	-20.034	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Peak Power Output

3.1. Test Equipment

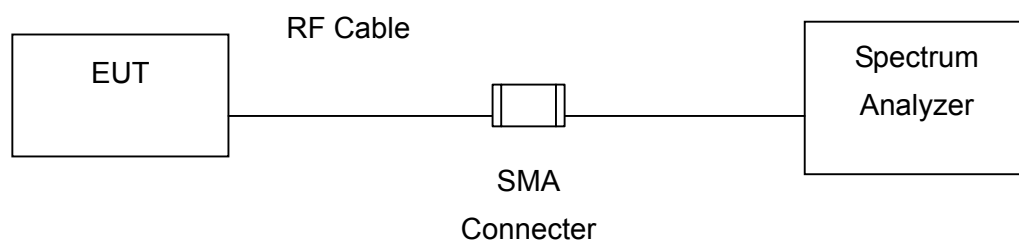
The following test equipment is used during the test:

Peak Power Output / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

3.4. Limits

For frequency hopping systems operating in the 902-928 MHz band: 1 Watt for systems employing at least 50 hopping channels; and, 0.25 Watts for systems employing less than 50 hopping channels.

For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1Watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

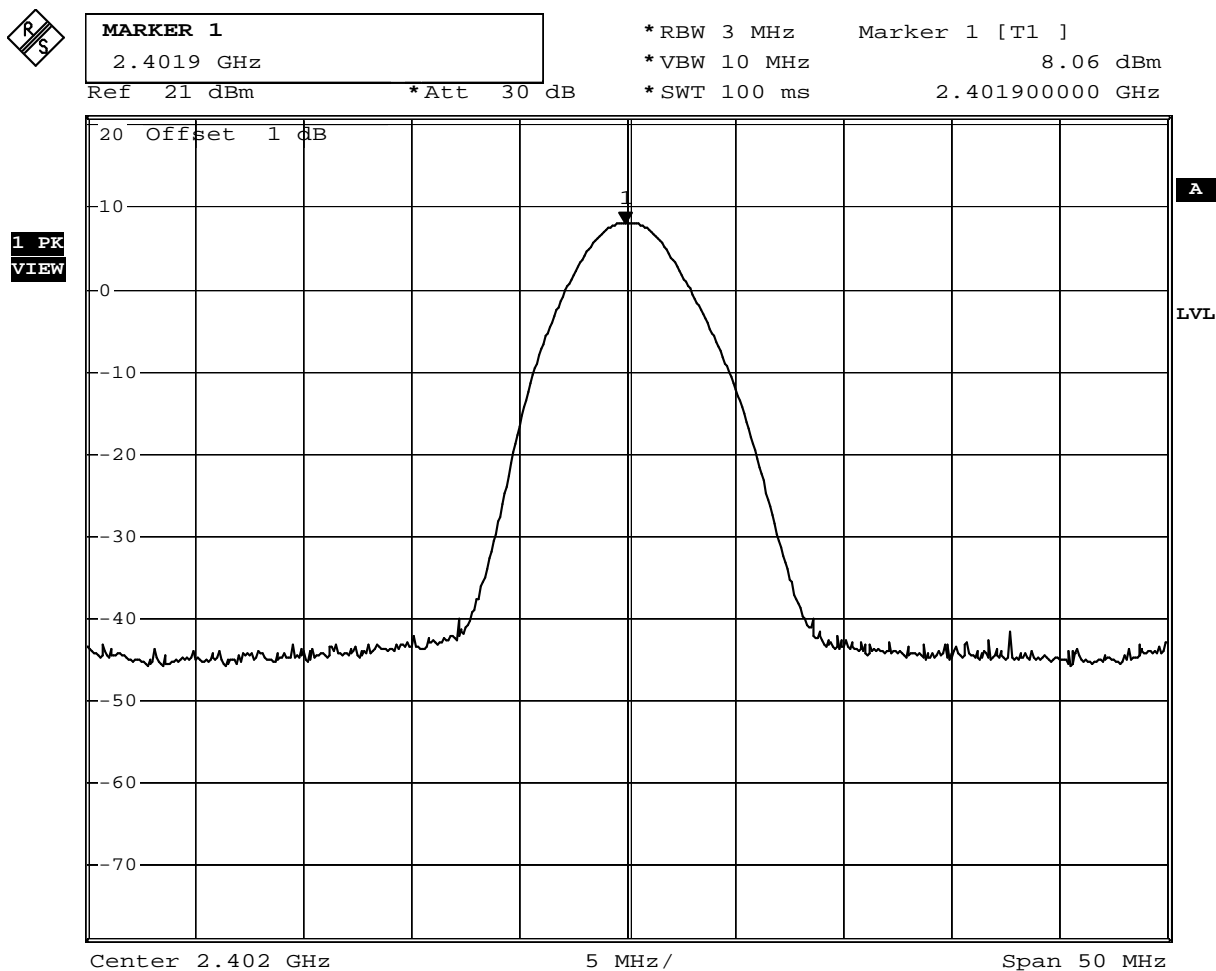
3.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	8.06	1Watt= 30 dBm	Pass

Channel 00



Date: 29.APR.2011 14:26:25

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
39	2441	7.82	1Watt= 30 dBm	Pass

Channel 39

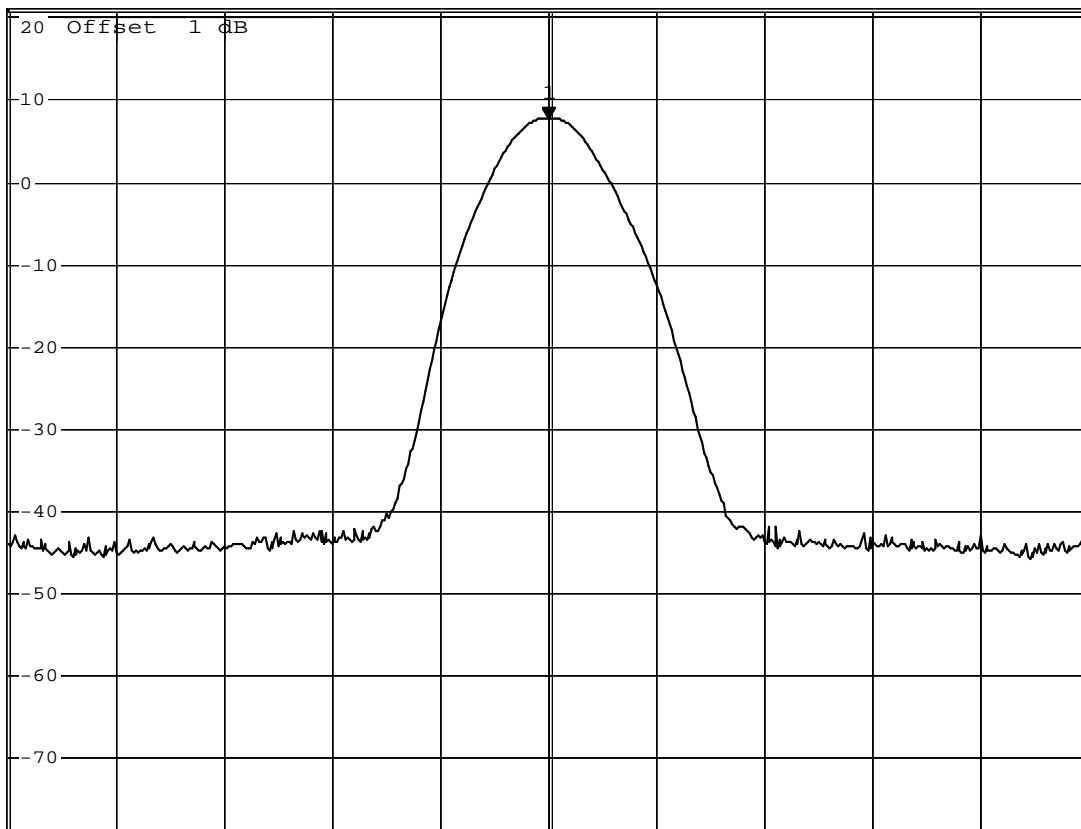


MARKER 1
2.441 GHz

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 7.82 dBm
*SWT 100 ms 2.441000000 GHz

Ref 21 dBm *Att 30 dB

1 PK
VIEW



Center 2.441 GHz

5 MHz /

Span 50 MHz

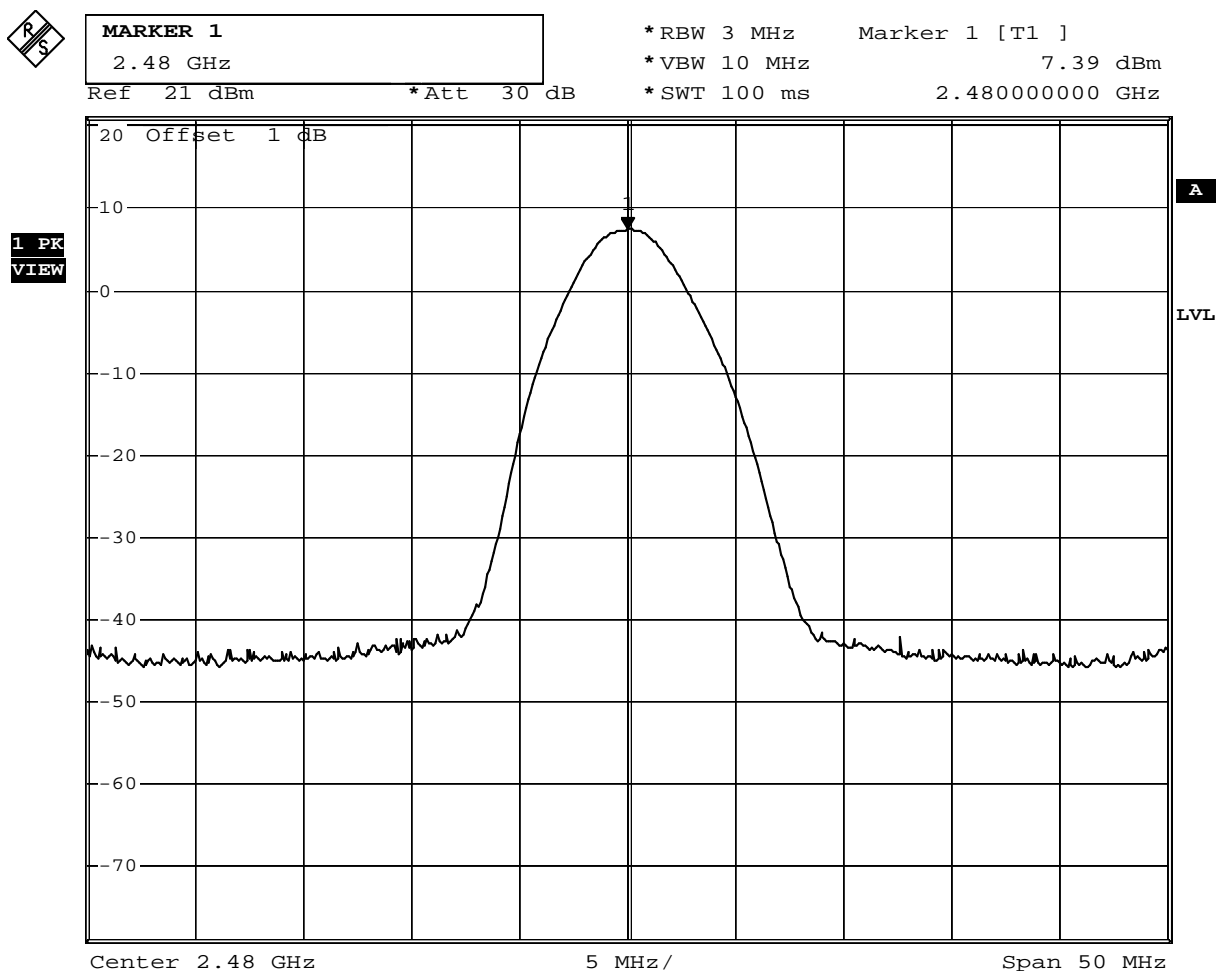
Date: 29.APR.2011 14:28:06

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
78	2480	7.39	1Watt= 30 dBm	Pass

Channel 78



Date: 29.APR.2011 14:29:09

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	6.72	1Watt= 30 dBm	Pass

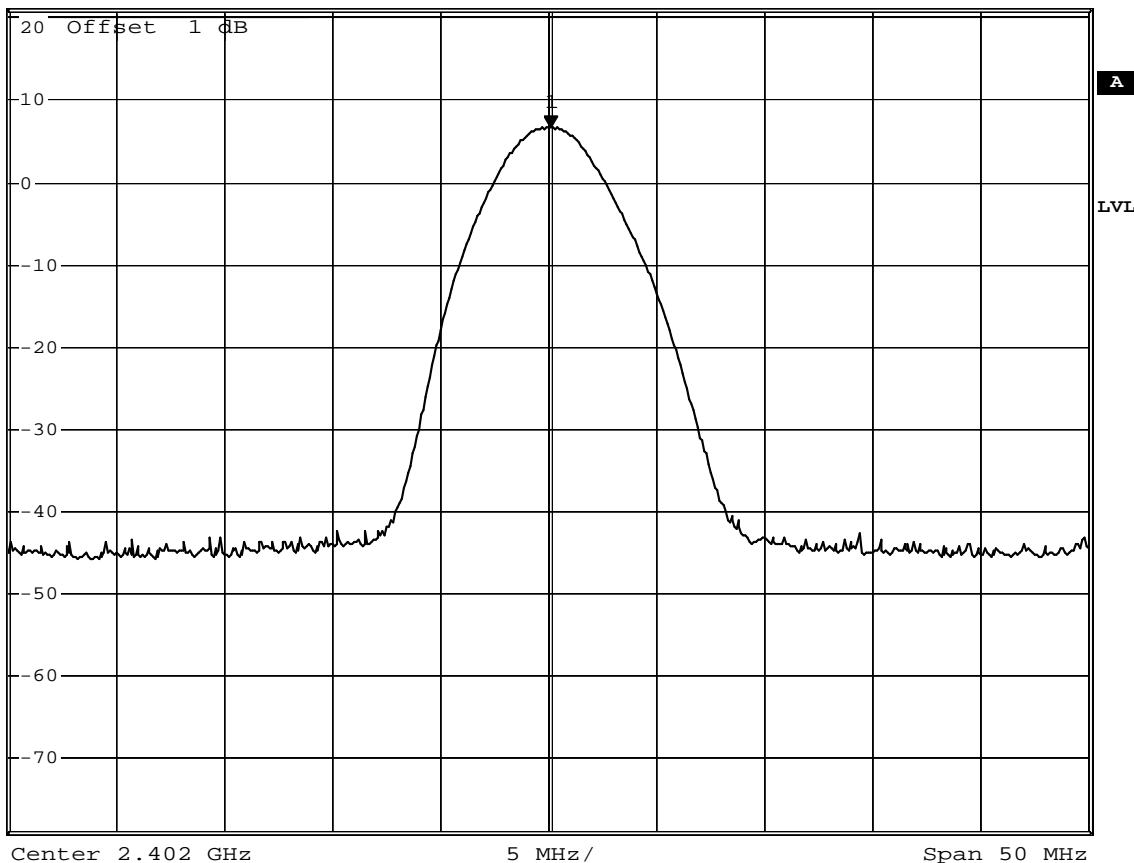
Channel 00



MARKER 1
2.4021 GHz
Ref 21 dBm *Att 30 dB

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 6.72 dBm
*SWT 100 ms 2.402100000 GHz

1 PK
VIEW



Date: 29.APR.2011 14:31:04

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
39	2441	6.53	1Watt= 30 dBm	Pass

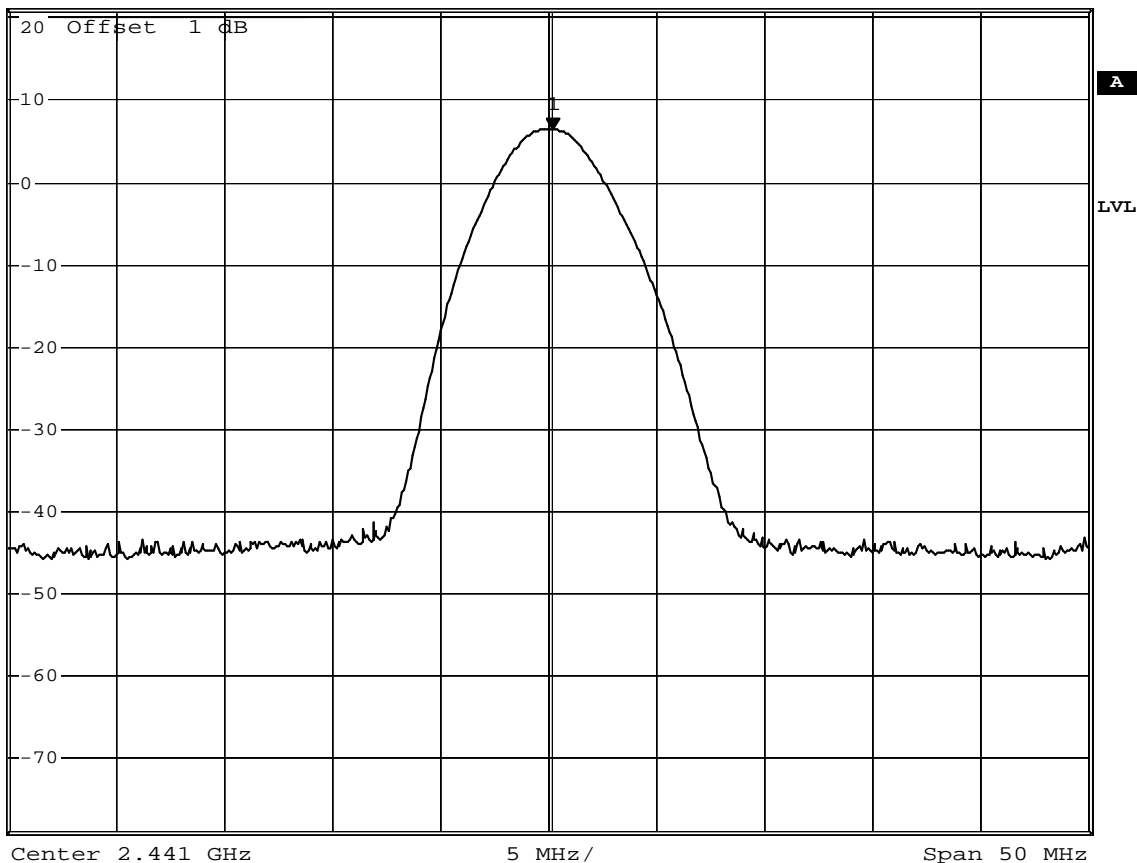
Channel 39



MARKER 1
2.4412 GHz
Ref 21 dBm *Att 30 dB

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 6.53 dBm
*SWT 100 ms 2.441200000 GHz

1 PK
VIEW



Date: 29.APR.2011 14:32:18

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
78	2480	5.74	1Watt= 30 dBm	Pass

Channel 78

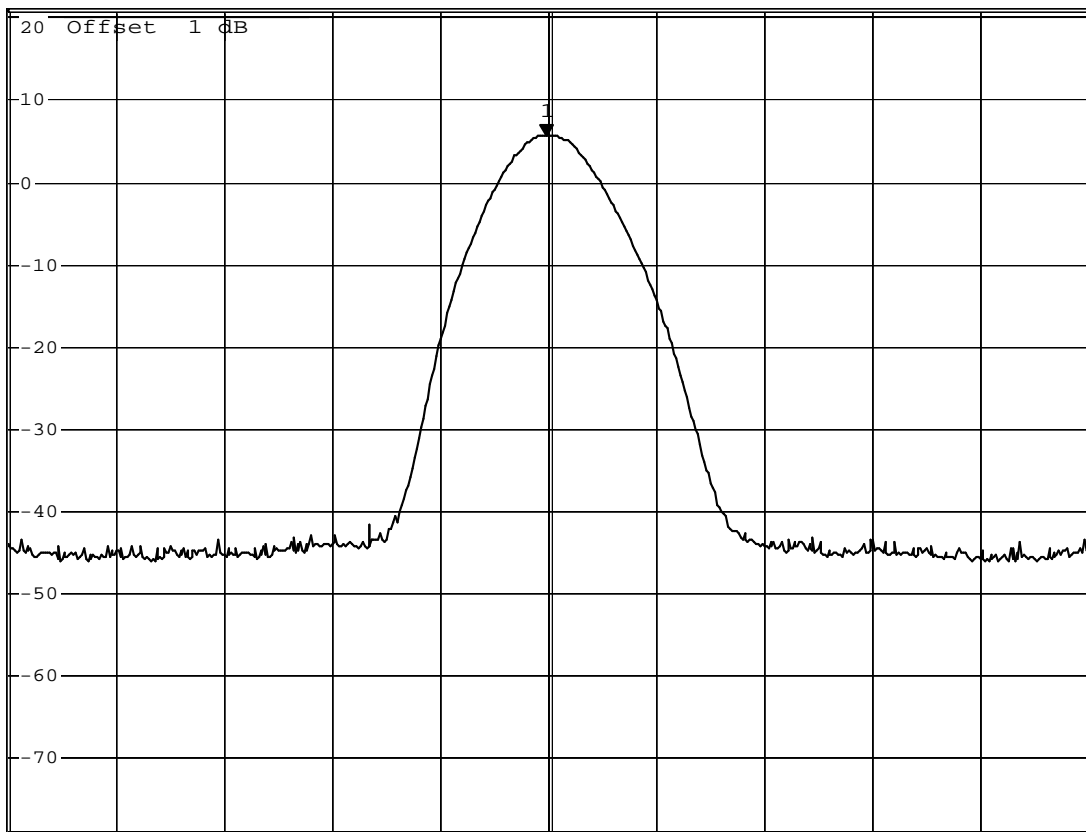


MARKER 1
2.4799 GHz

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 5.74 dBm
*SWT 100 ms 2.479900000 GHz

Ref 21 dBm *Att 30 dB

1 PK
VIEW



Center 2.48 GHz 5 MHz / Span 50 MHz

Date: 29.APR.2011 14:33:24

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	6.90	1Watt= 30 dBm	Pass

Channel 00

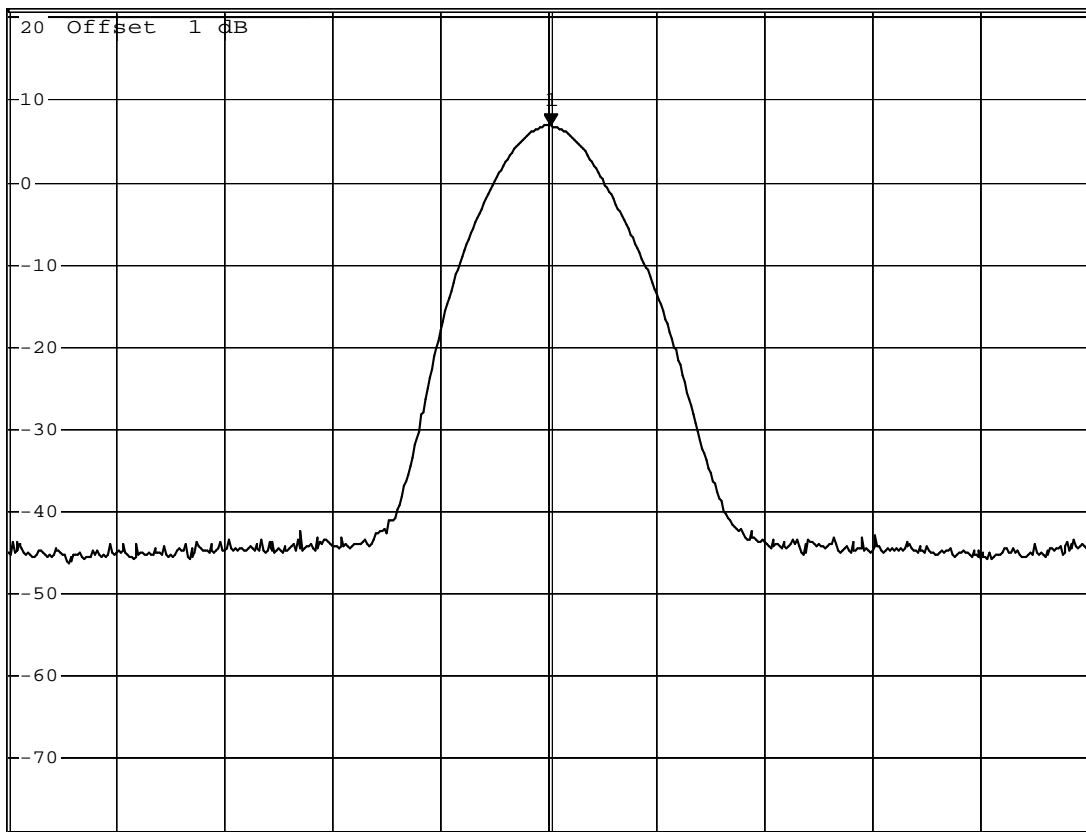


MARKER 1
2.4021 GHz

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 6.90 dBm
*SWT 100 ms 2.402100000 GHz

Ref 21 dBm *Att 30 dB

1 PK
VIEW



Center 2.402 GHz 5 MHz / Span 50 MHz

Date: 29.APR.2011 14:36:17

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
39	2441	6.66	1Watt= 30 dBm	Pass

Channel 39

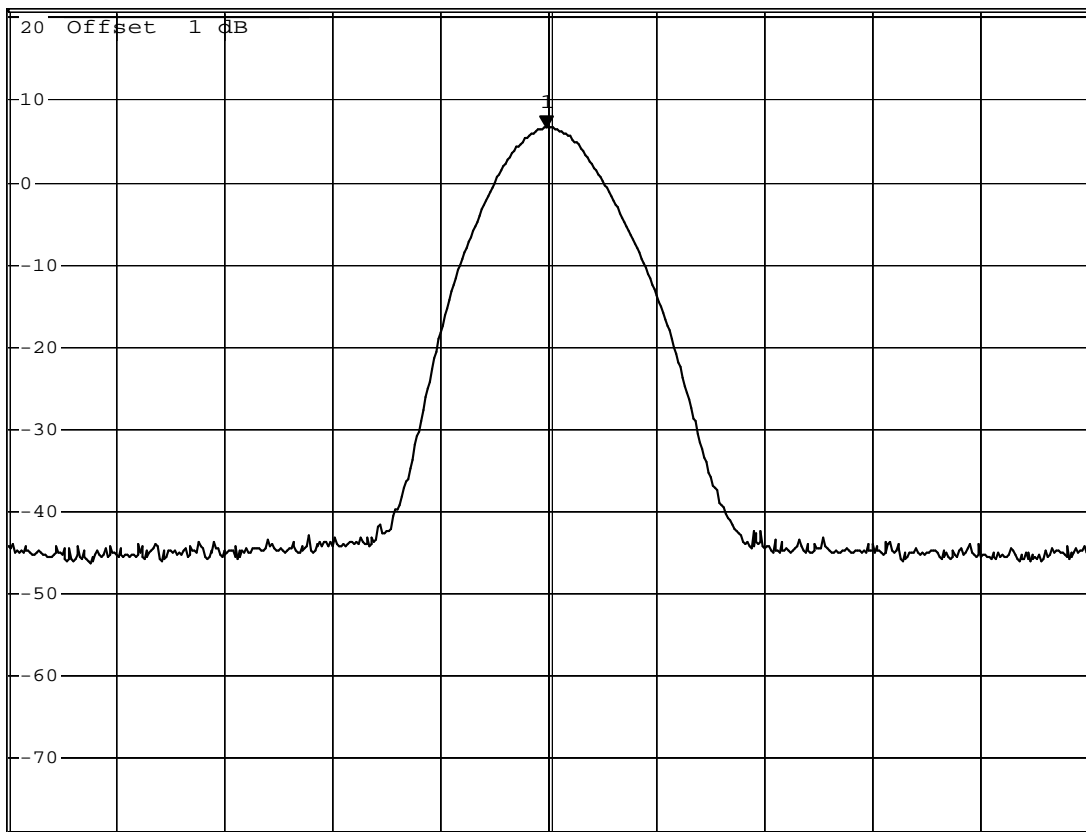


MARKER 1
2.4409 GHz

*RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz 6.66 dBm
*SWT 100 ms 2.440900000 GHz

Ref 21 dBm *Att 30 dB

1 PK
VIEW



Center 2.441 GHz

5 MHz /

Span 50 MHz

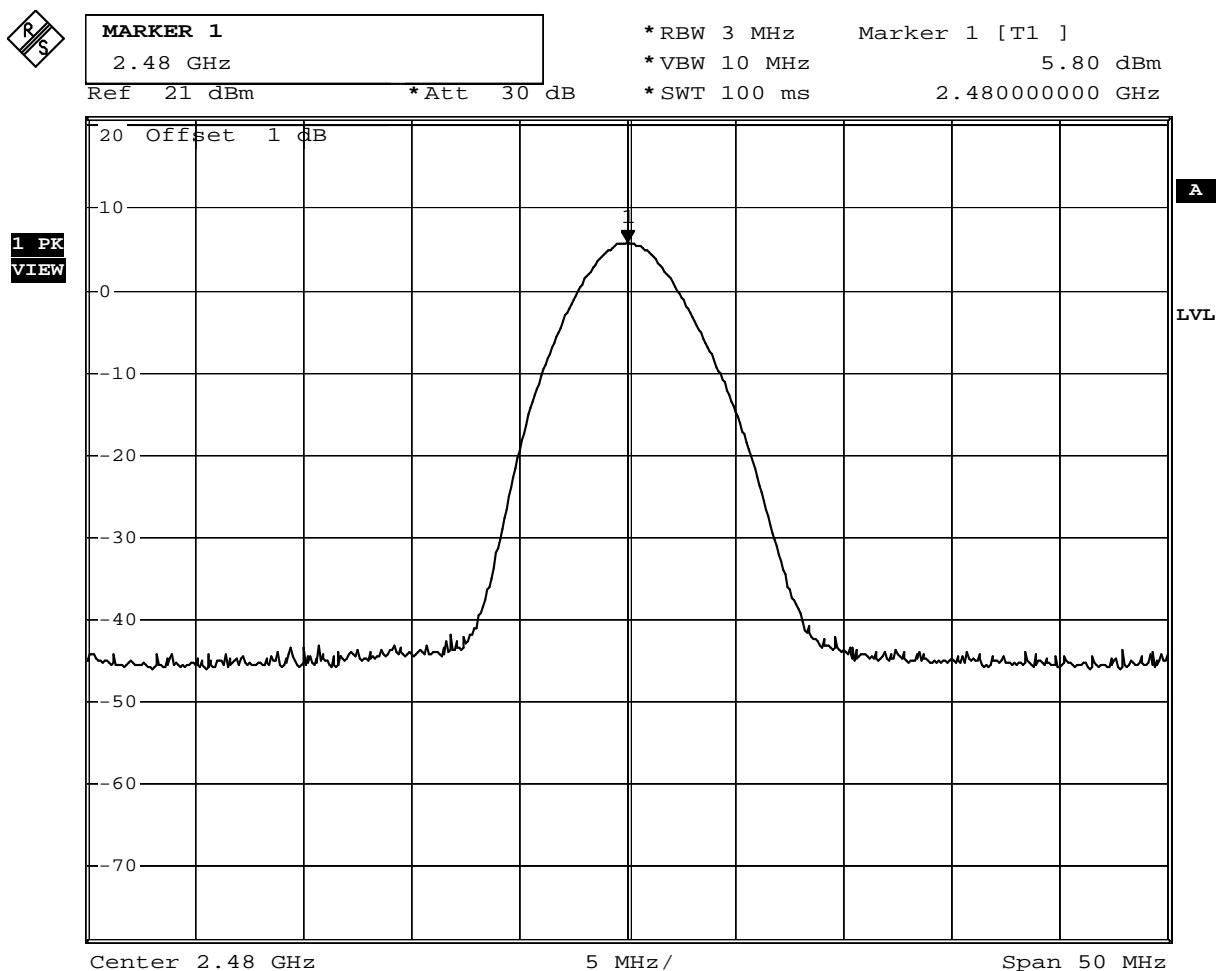
Date: 29.APR.2011 14:35:39

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
78	2480	5.80	1Watt= 30 dBm	Pass

Channel 78



Date: 29.APR.2011 14:34:42

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

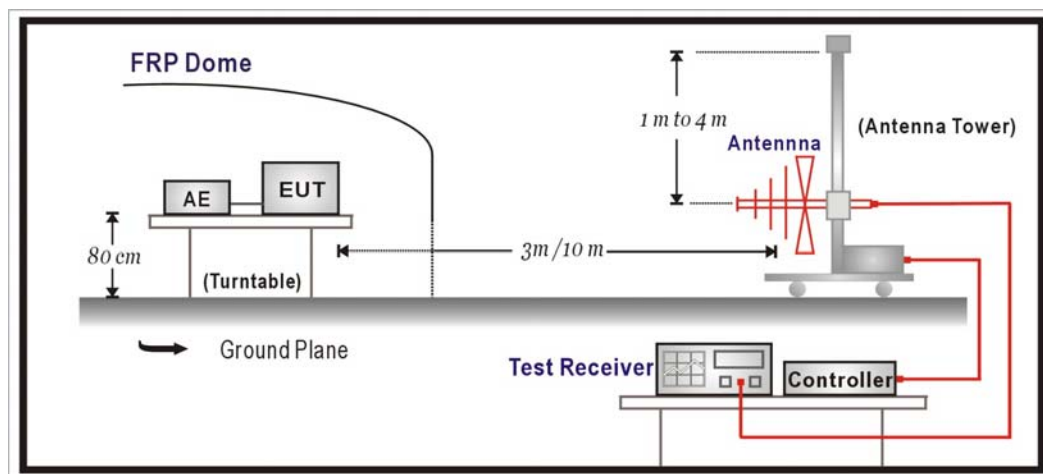
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2011/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
Pre-Amplifier	MITEQ	AMF-4D-005180-2 4-10P	888003	2011/12/16
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2012/03/10
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

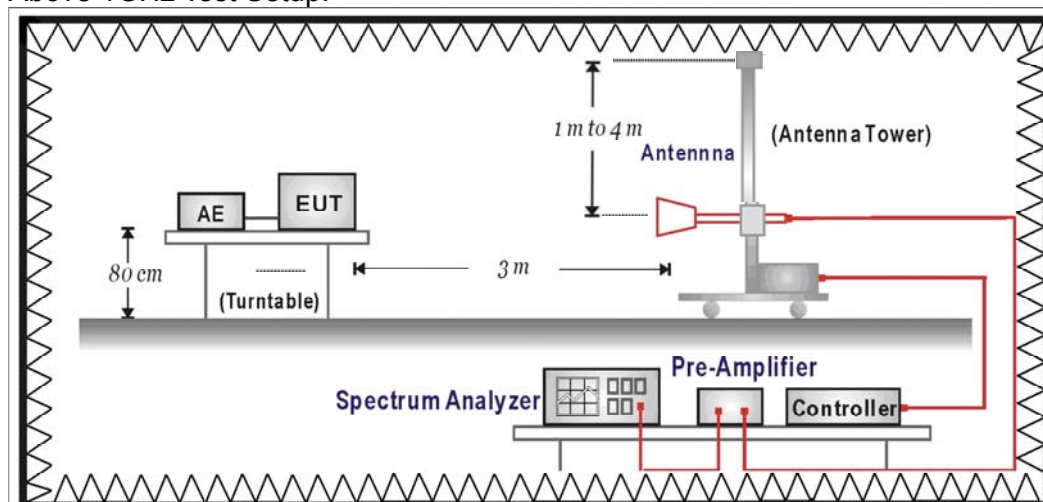
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2009 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

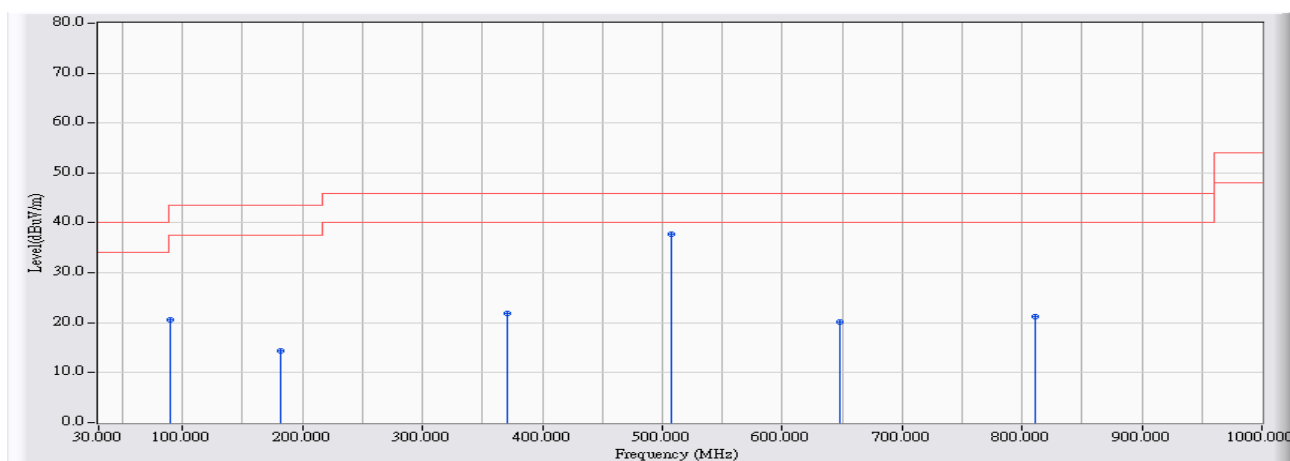
4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

4.6. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2011/04/28 - 20:58
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)

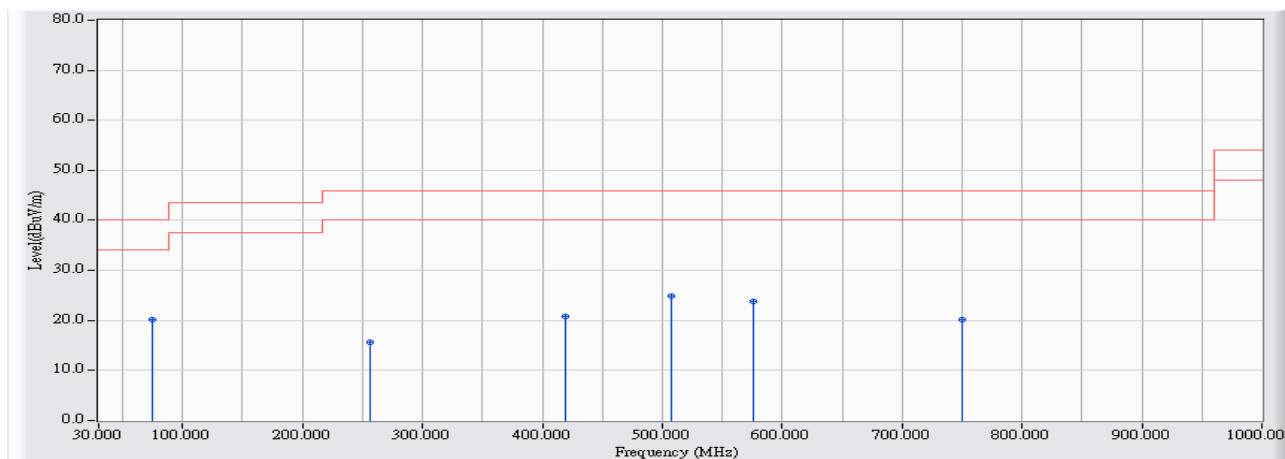


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-16.088	36.750	20.662	-22.838	43.500	QUASIPeAK
2	181.967	-15.115	29.533	14.418	-29.082	43.500	QUASIPeAK
3	371.117	-8.675	30.518	21.843	-24.157	46.000	QUASIPeAK
4	* 506.917	-5.987	43.709	37.722	-8.278	46.000	QUASIPeAK
5	647.567	-4.747	24.987	20.239	-25.761	46.000	QUASIPeAK
6	810.850	-3.300	24.583	21.283	-24.717	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : CB1	Time : 2011/04/28 - 20:59
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)



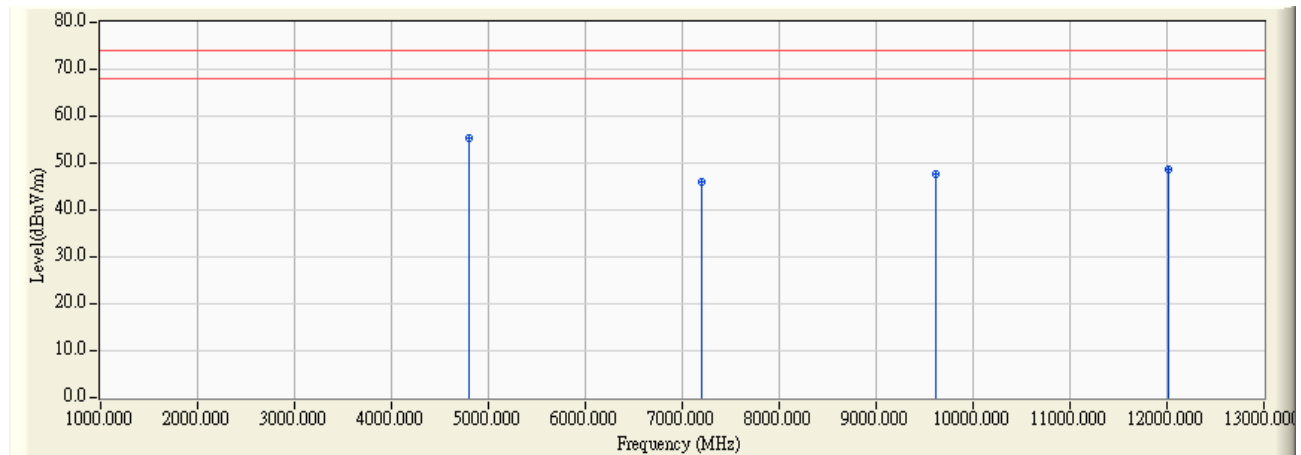
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	75.267	-17.777	38.022	20.245	-19.755	40.000	QUASIPeAK
2		256.333	-11.366	27.001	15.635	-30.365	46.000	QUASIPeAK
3		419.617	-7.502	28.411	20.909	-25.091	46.000	QUASIPeAK
4		506.917	-5.987	30.875	24.888	-21.112	46.000	QUASIPeAK
5		576.433	-5.218	29.028	23.810	-22.190	46.000	QUASIPeAK
6		749.417	-3.947	24.208	20.262	-25.738	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Harmonic & Spurious:

Site : CB1	Time : 2011/04/27 - 17:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

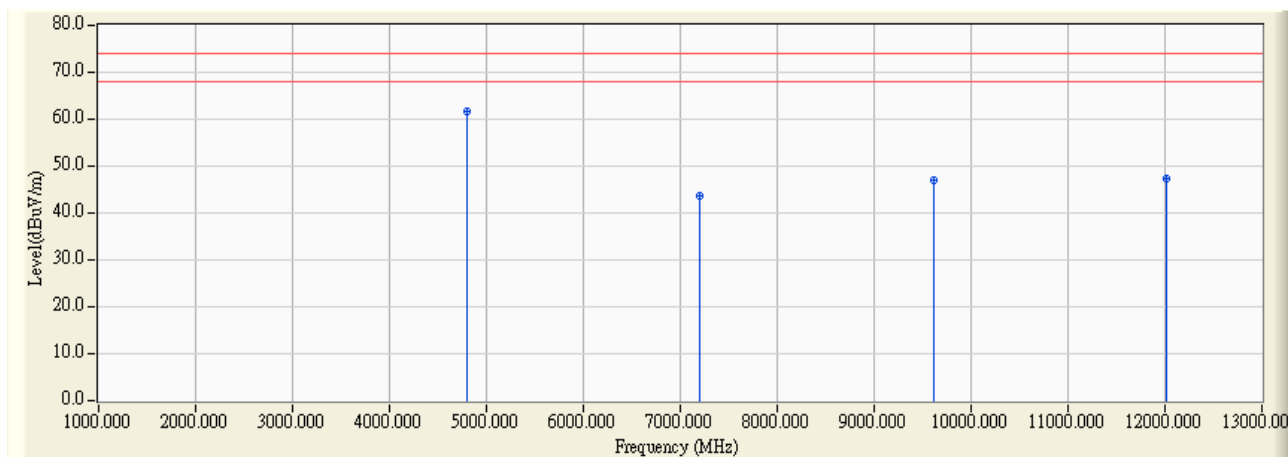


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.610	-1.547	56.940	55.394	-18.606	74.000	PEAK
2		7205.890	4.703	41.410	46.112	-27.888	74.000	PEAK
3		9608.070	7.406	40.130	47.536	-26.464	74.000	PEAK
4		12010.380	10.220	38.550	48.771	-25.229	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

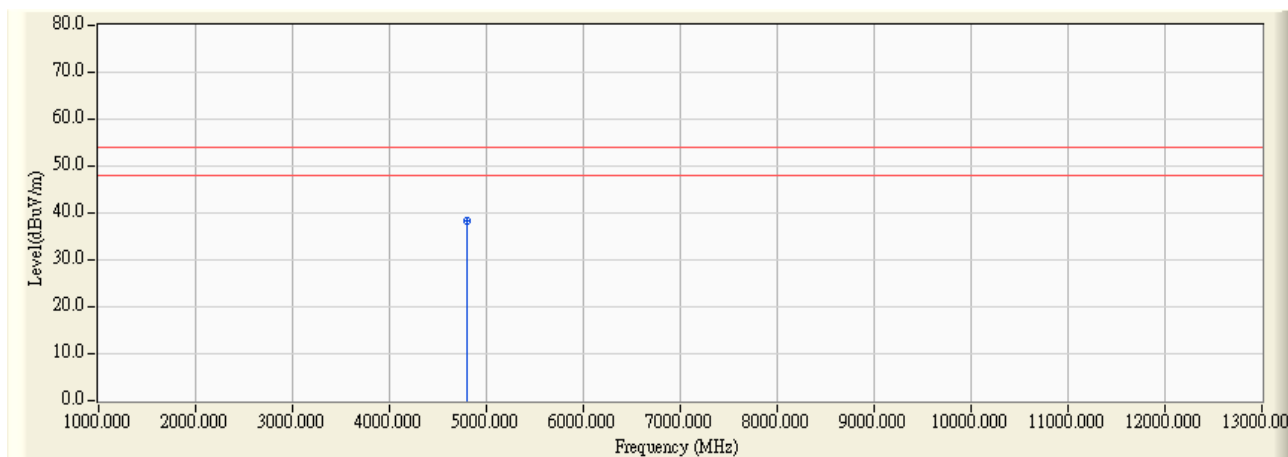


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.650	-1.546	63.350	61.804	-12.196	74.000	PEAK
2		7206.020	4.703	39.050	43.753	-30.247	74.000	PEAK
3		9607.990	7.406	39.670	47.076	-26.924	74.000	PEAK
4		12010.000	10.220	37.190	47.411	-26.589	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 17:54
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

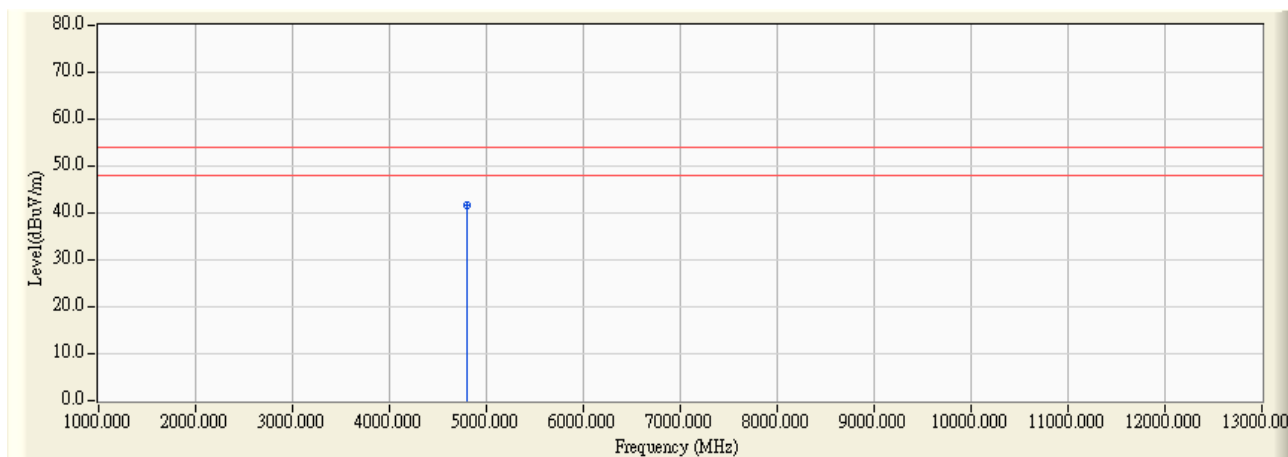


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.970	-1.546	40.000	38.454	-15.546	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

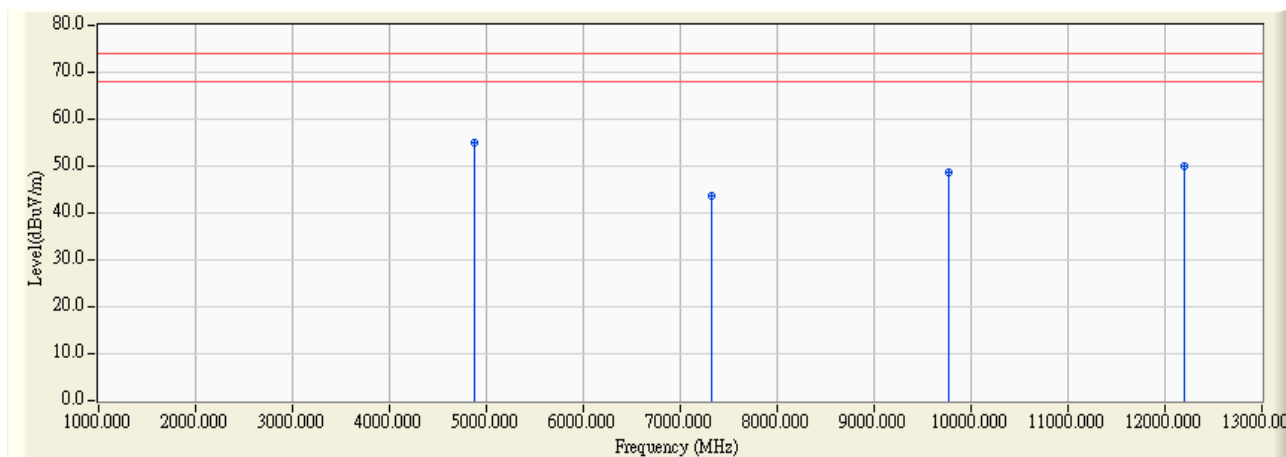


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.990	-1.546	43.250	41.704	-12.296	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 17:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2441MHz

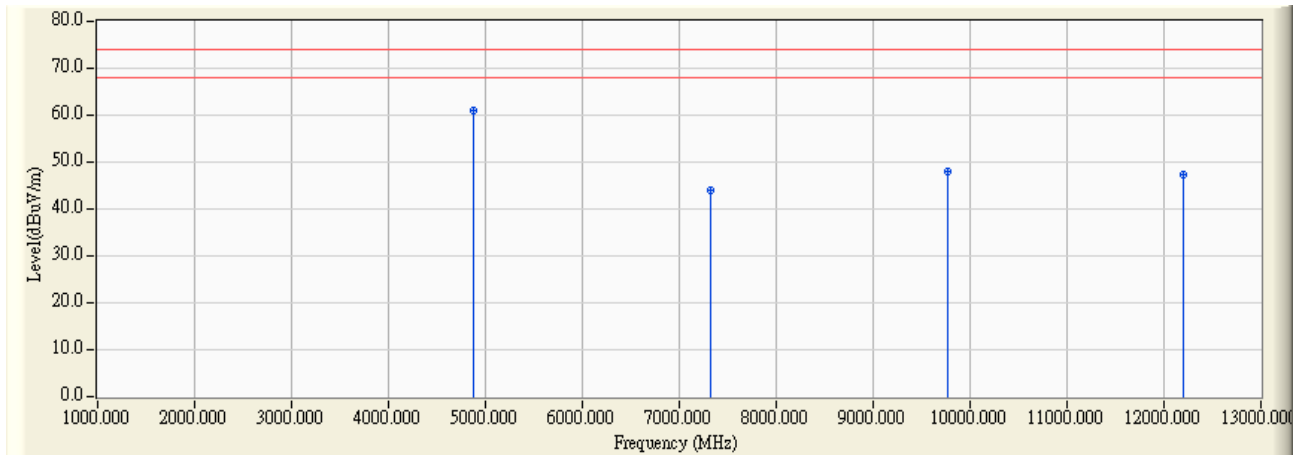


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.970	-1.377	56.440	55.063	-18.937	74.000	PEAK
2		7323.140	4.917	38.810	43.727	-30.273	74.000	PEAK
3		9764.120	7.633	40.870	48.503	-25.497	74.000	PEAK
4		12205.230	10.240	39.920	50.160	-23.840	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 17:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2441MHz

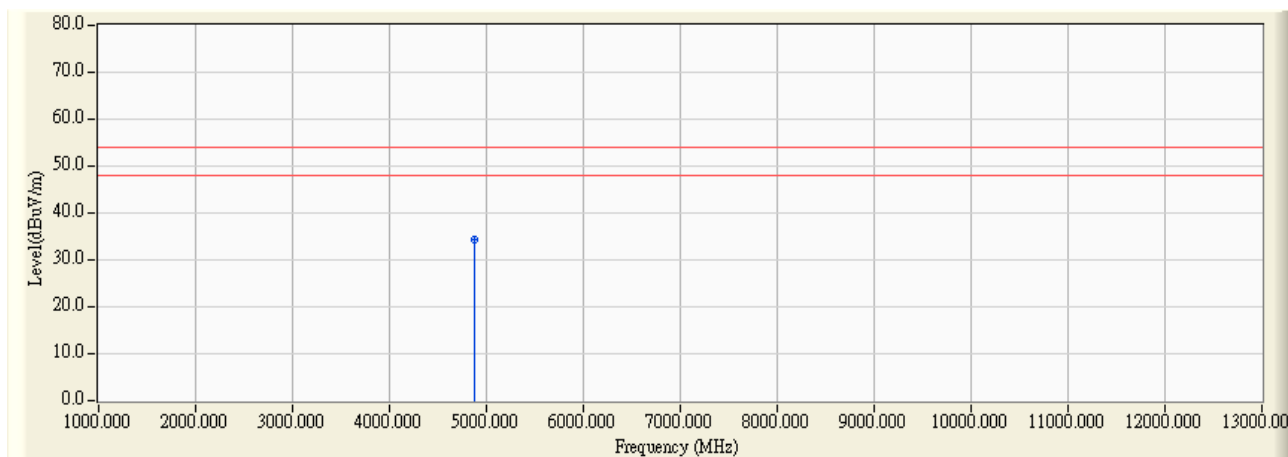


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.970	-1.377	62.450	61.073	-12.927	74.000	PEAK
2		7322.960	4.917	39.000	43.917	-30.083	74.000	PEAK
3		9764.030	7.633	40.300	47.933	-26.067	74.000	PEAK
4		12204.960	10.240	37.030	47.270	-26.730	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 17:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2441MHz

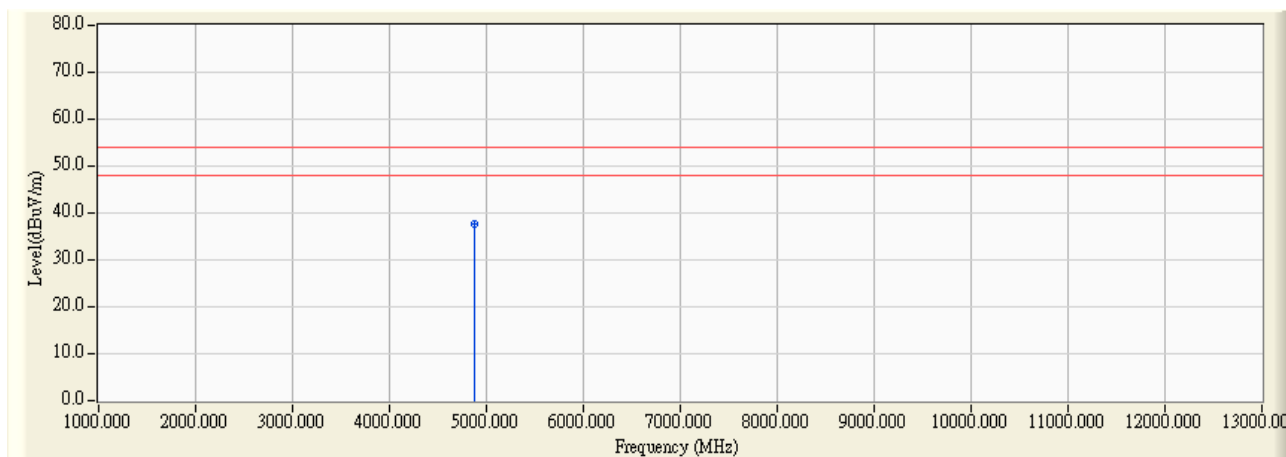


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.990	-1.377	35.700	34.323	-19.677	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 17:47
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2441MHz

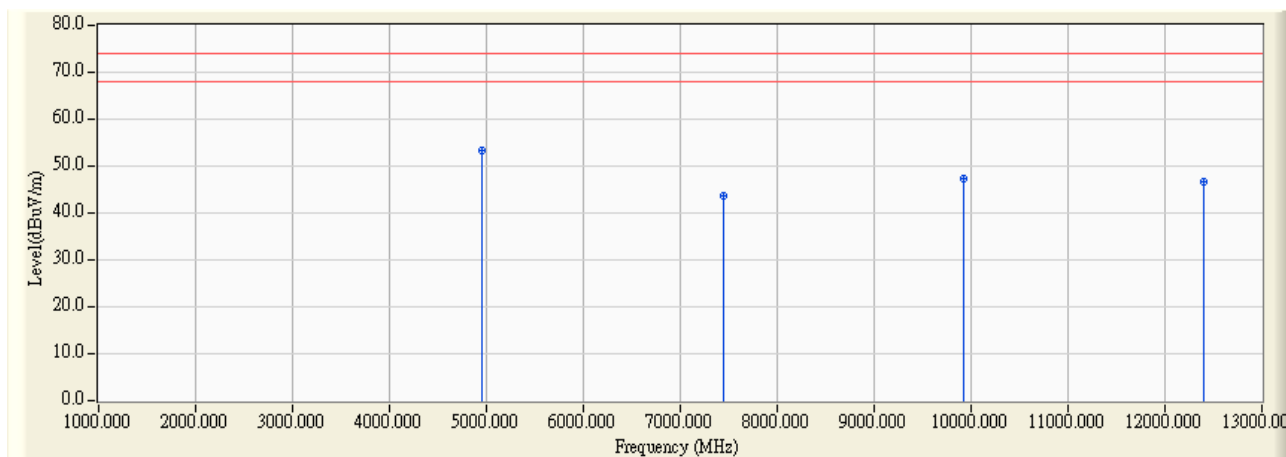


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.030	-1.377	39.030	37.653	-16.347	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

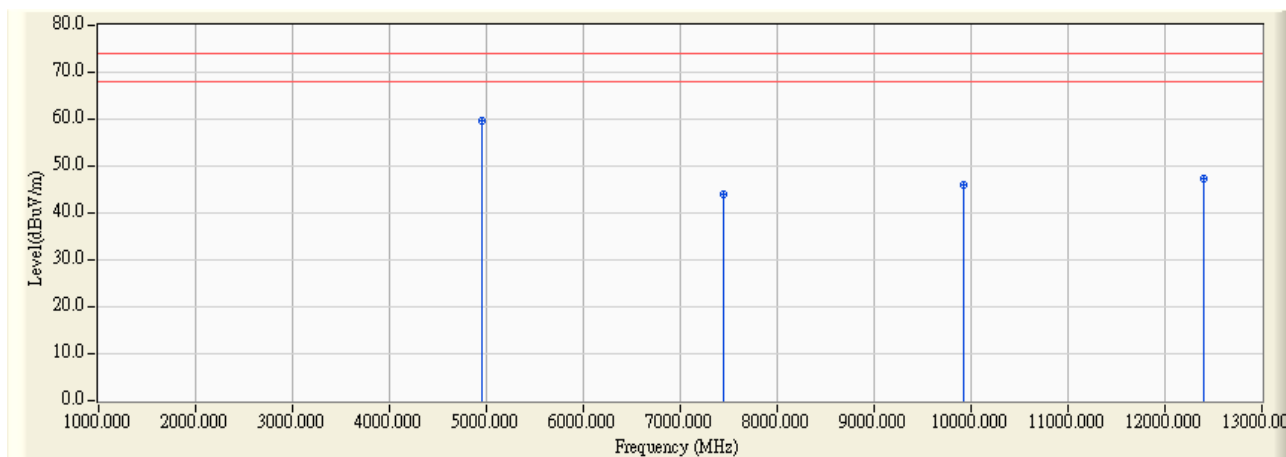


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.030	-1.209	54.590	53.381	-20.619	74.000	PEAK
2		7440.050	5.132	38.490	43.622	-30.378	74.000	PEAK
3		9920.250	7.859	39.310	47.170	-26.830	74.000	PEAK
4		12399.990	10.259	36.380	46.639	-27.361	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:42
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

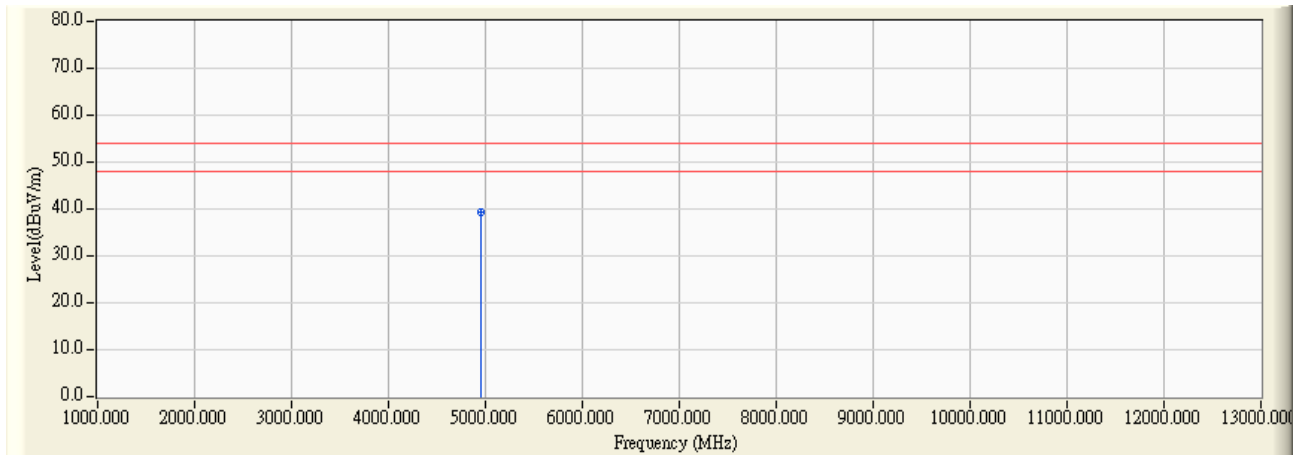


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.060	-1.209	60.770	59.561	-14.439	74.000	PEAK
2		7440.050	5.132	38.730	43.862	-30.138	74.000	PEAK
3		9920.030	7.859	38.260	46.119	-27.881	74.000	PEAK
4		12399.990	10.259	37.010	47.269	-26.731	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

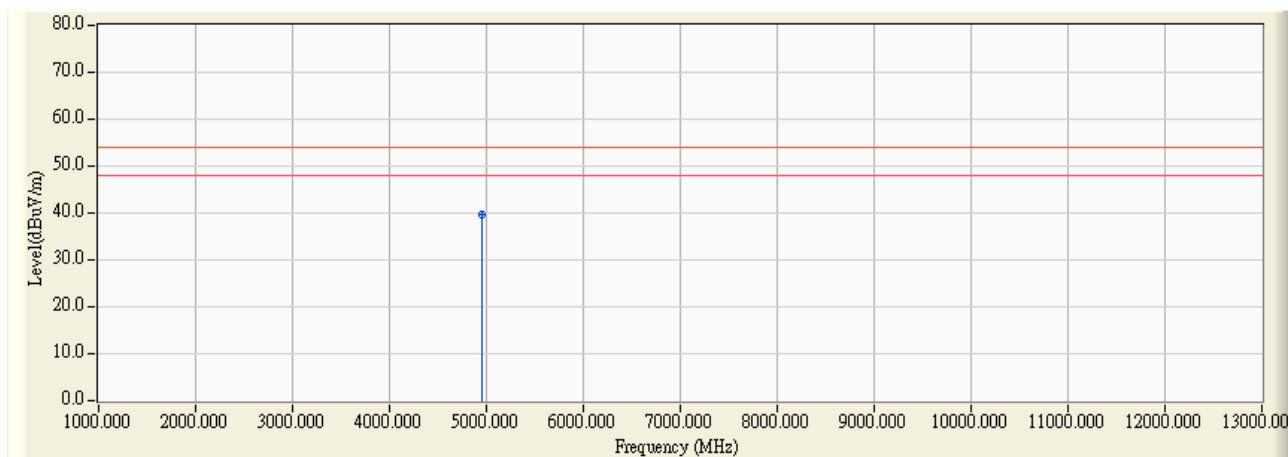


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.200	-1.209	40.660	39.451	-14.549	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/04/27 - 18:42
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.010	-1.209	40.790	39.581	-14.419	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

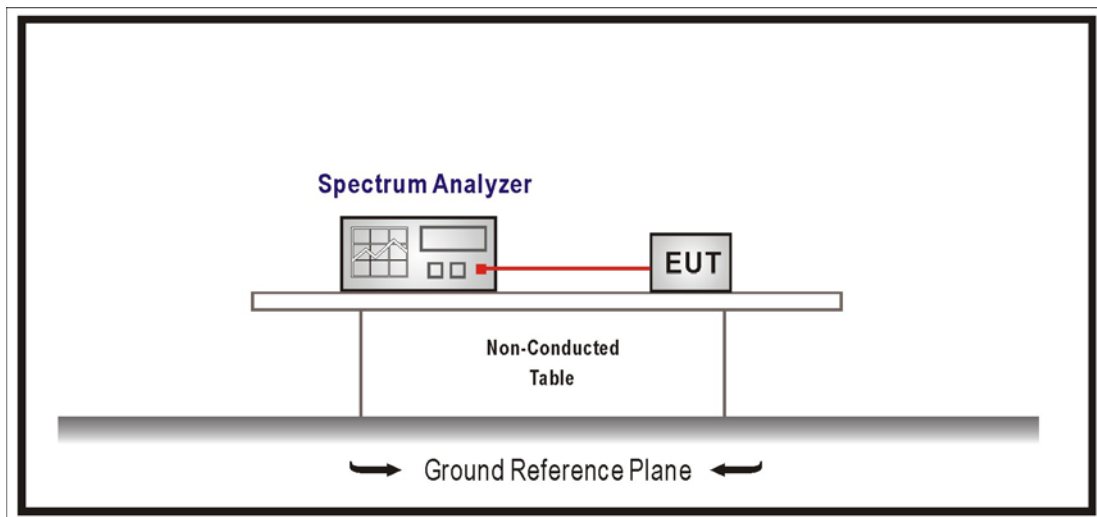
RF antenna conducted test / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup

RF Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

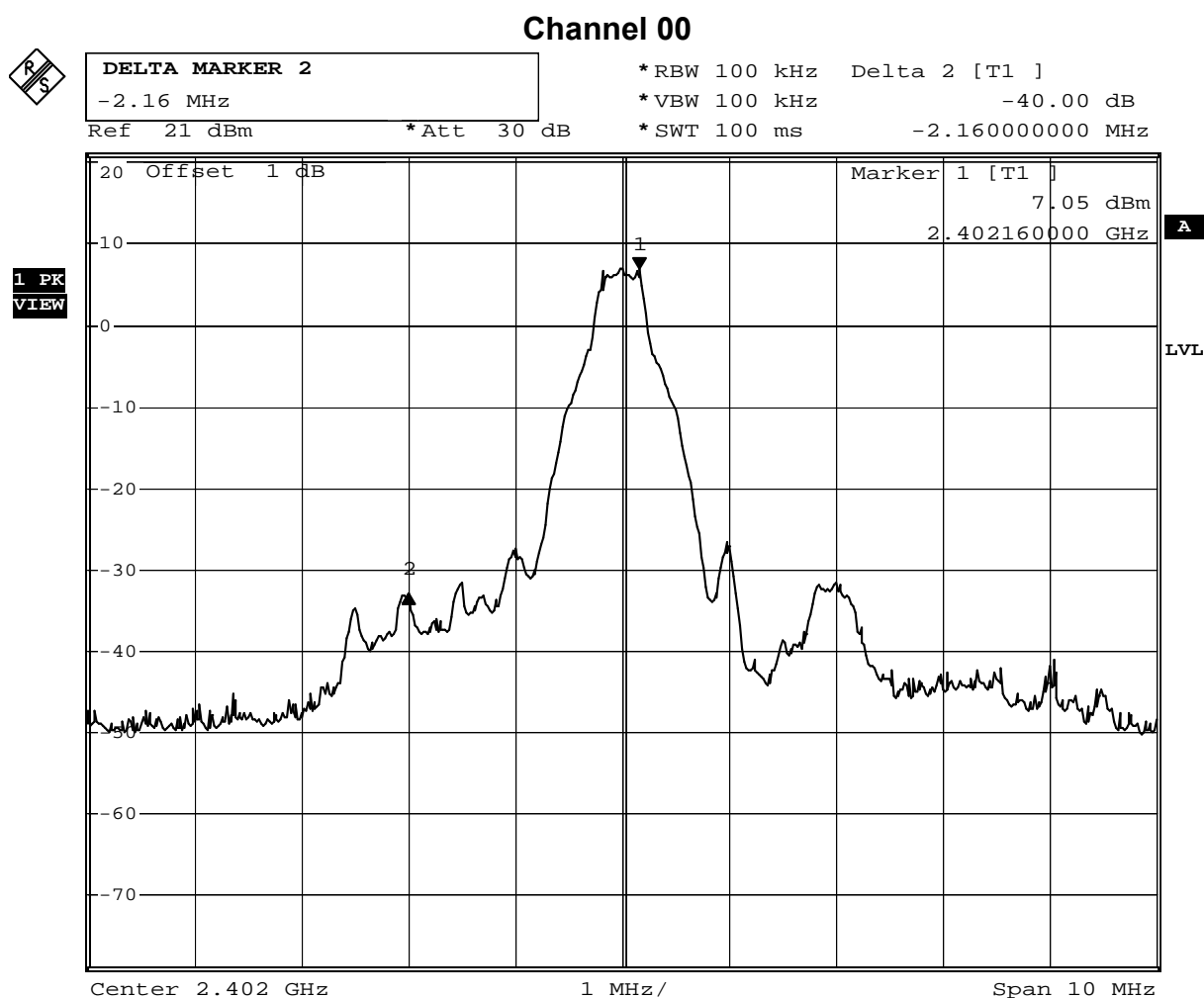
5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

5.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dBc)	Result
00	2402	40.00	≥ 20	Pass
78	2480	47.31	≥ 20	Pass



Date: 29.APR.2011 15:16:49

Channel 78



DELTA MARKER 2

3.34 MHz

Ref 21 dBm

*Att 30 dB

*RBW 100 kHz Delta 2 [T1]

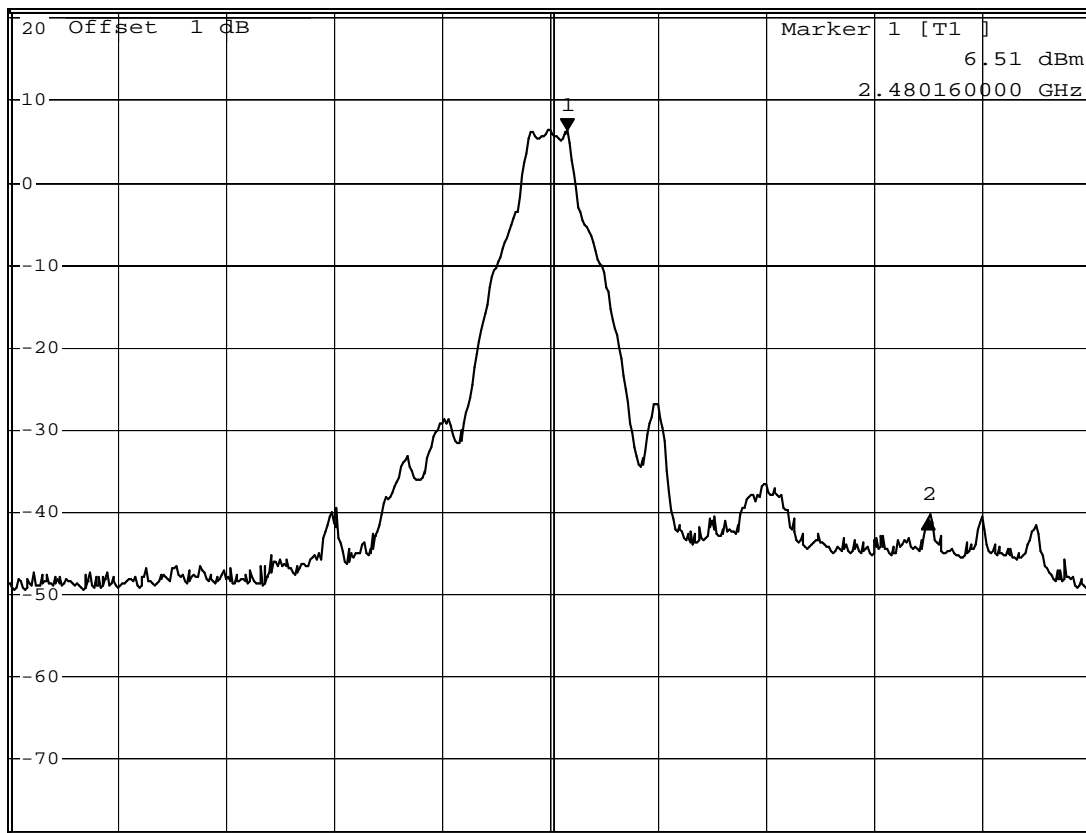
*VBW 100 kHz

-47.31 dB

*SWT 100 ms

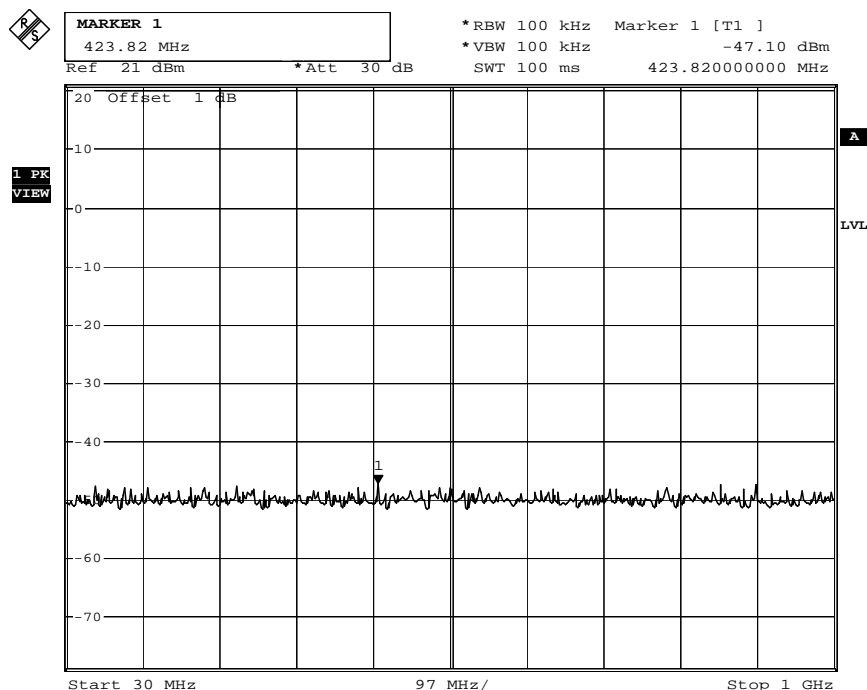
3.34000000 MHz

1 PK
VIEW



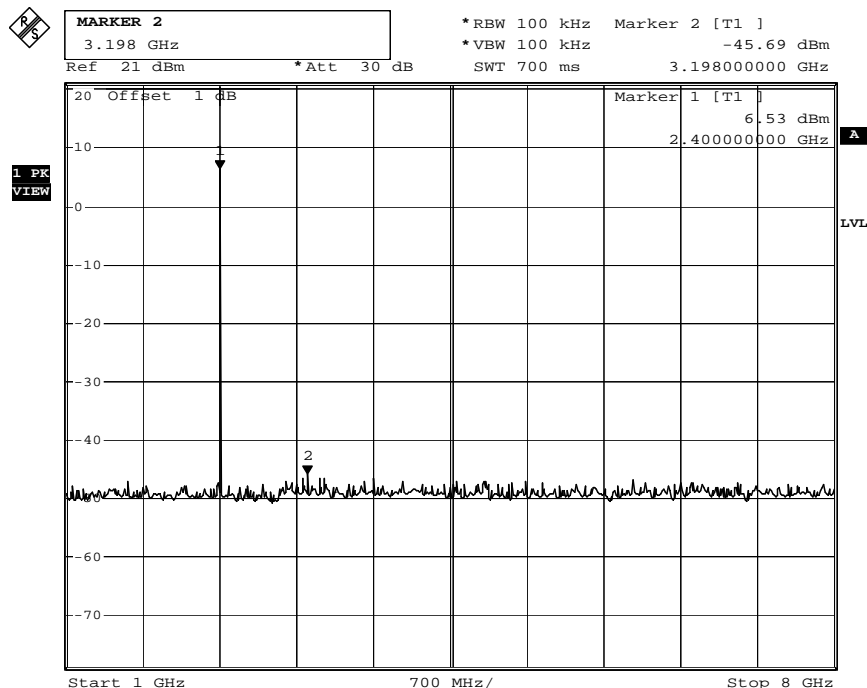
Date: 29.APR.2011 15:17:50

Channel 00 (30MHz-1GHz)



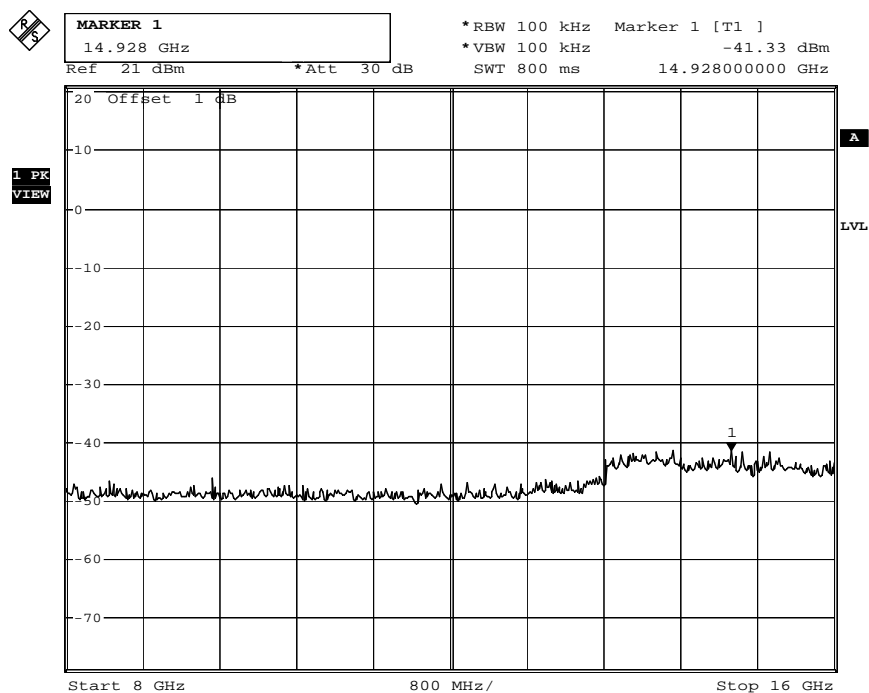
Date: 29.APR.2011 15:26:48

Channel 00 (1GHz-8GHz)



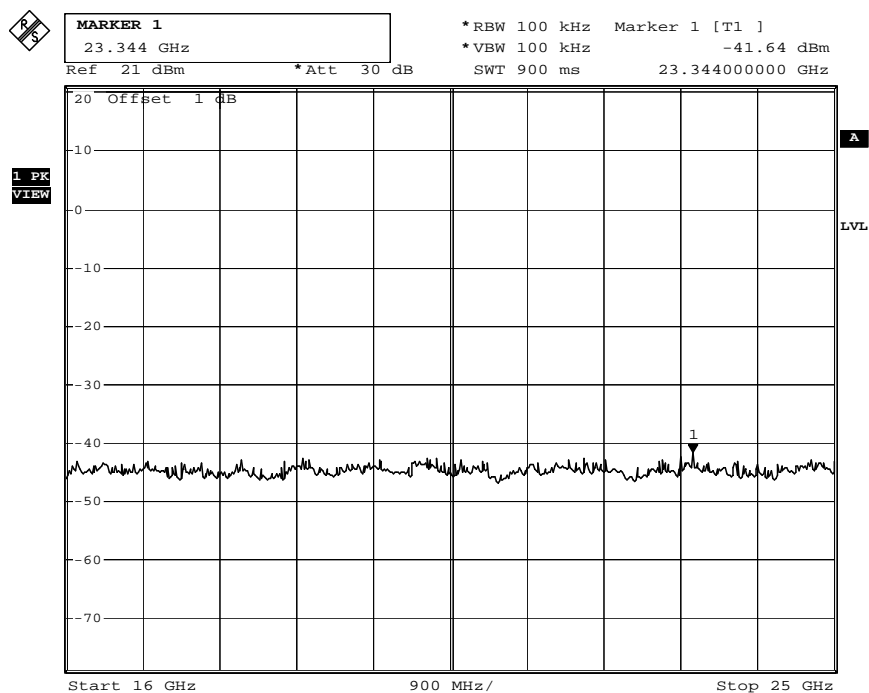
Date: 29.APR.2011 15:27:38

Channel 00 (8GHz-16GHz)



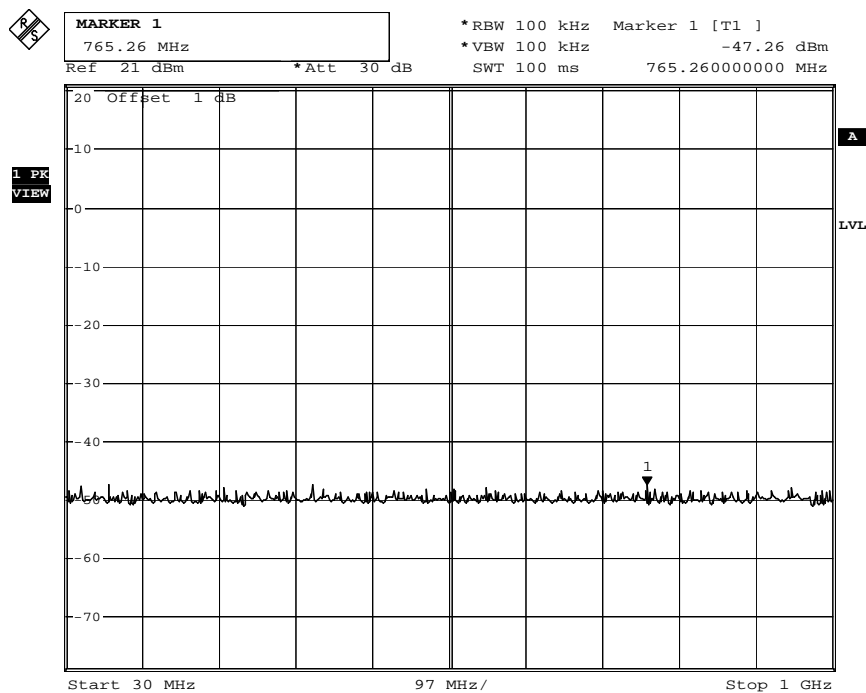
Date: 29.APR.2011 15:28:10

Channel 00 (16GHz-25GHz)



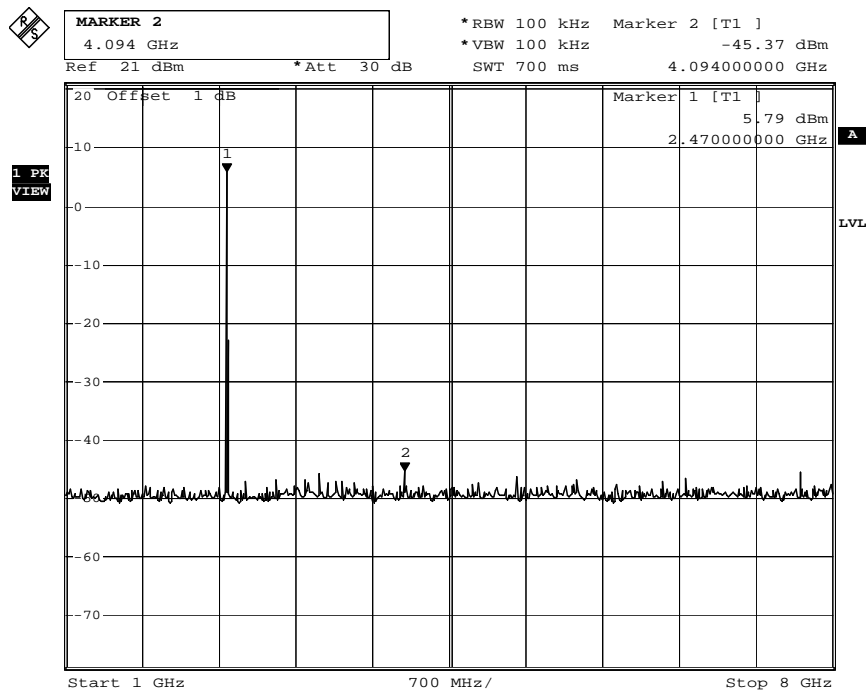
Date: 29.APR.2011 15:30:30

Channel 78 (30MHz-1GHz)



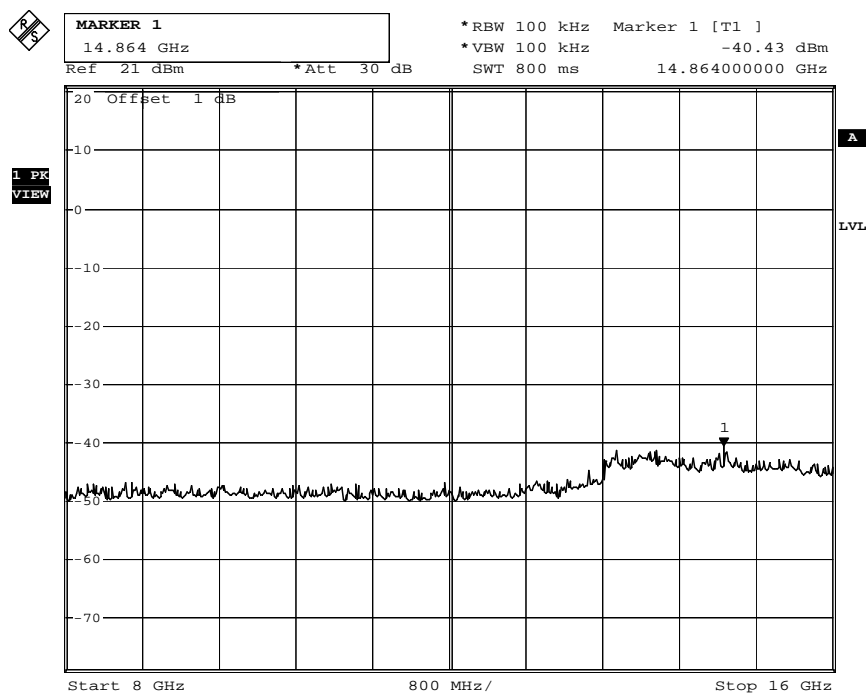
Date: 29.APR.2011 15:21:42

Channel 78 (1GHz-8GHz)



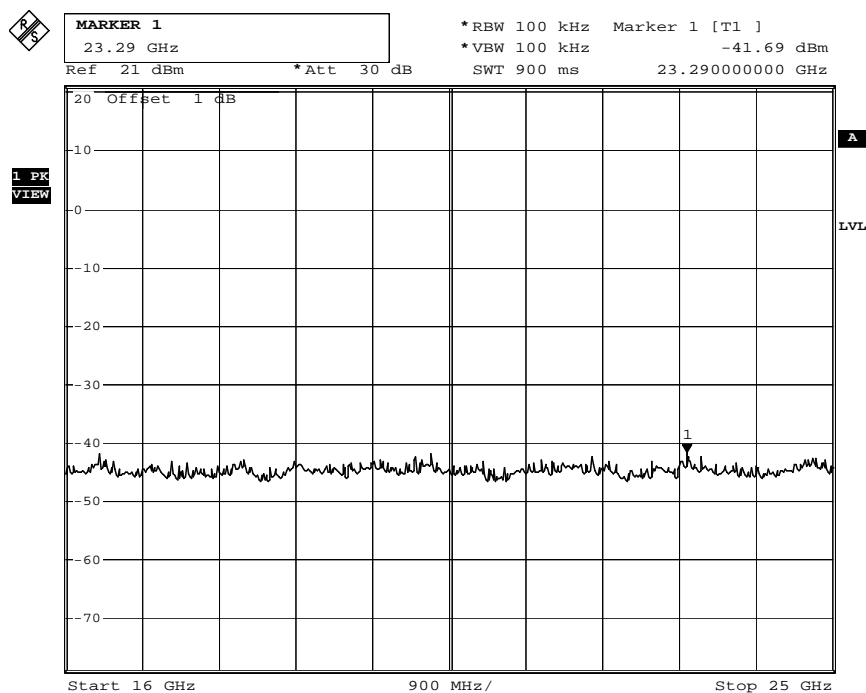
Date: 29.APR.2011 15:23:46

Channel 78 (8GHz-16GHz)



Date: 29.APR.2011 15:24:25

Channel 78 (16GHz-25GHz)



Date: 29.APR.2011 15:25:06

6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

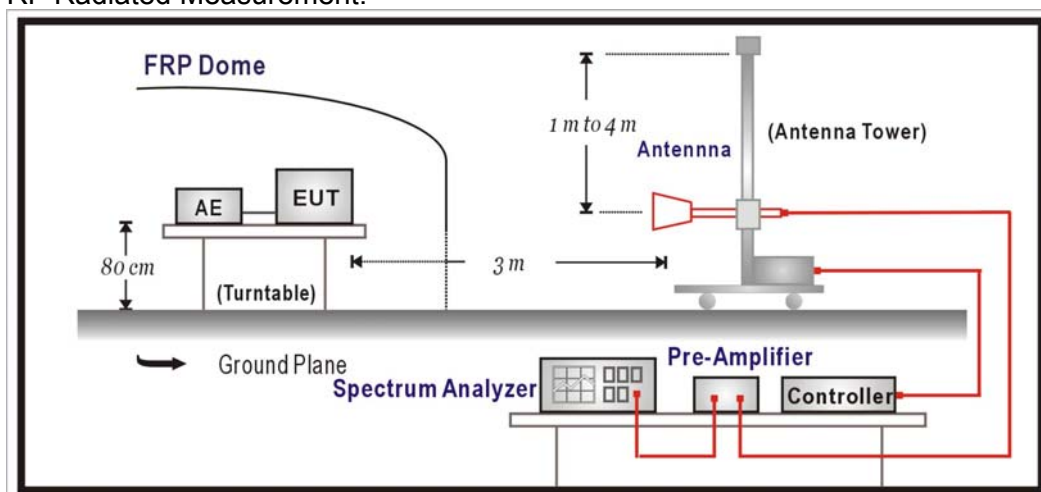
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

RF Radiated Measurement:



6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

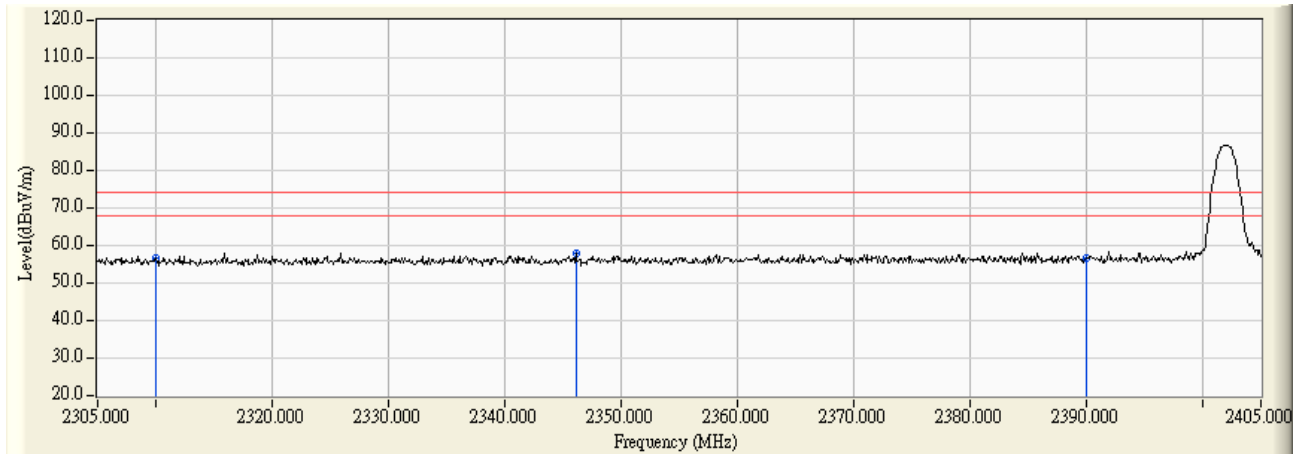
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

6.6. Test Result

Site : CB1	Time : 2011/04/28 - 18:43
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

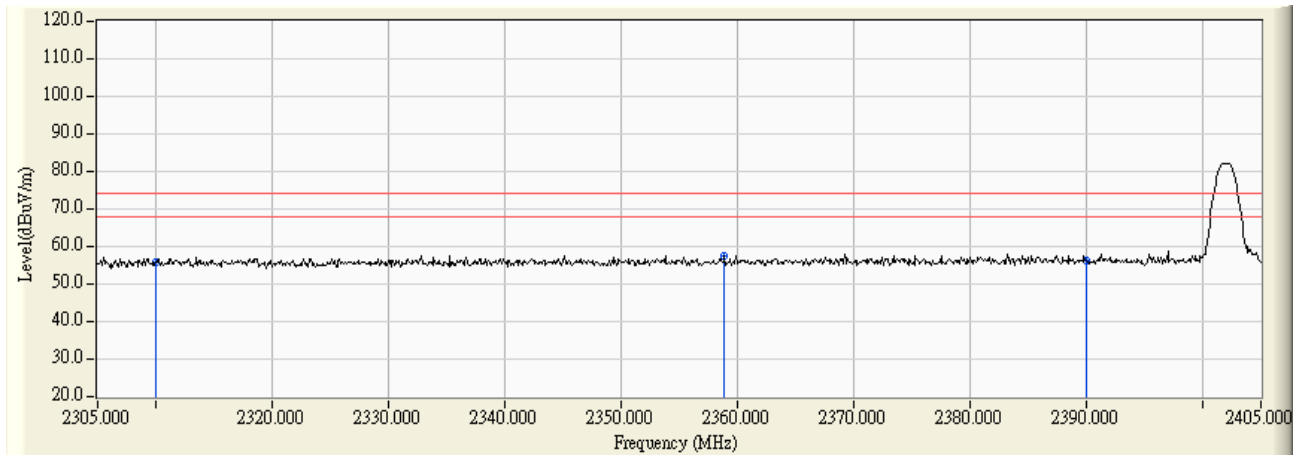


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.265	29.289	56.554	-17.446	74.000	PEAK
2	*	2346.100	27.417	30.320	57.736	-16.264	74.000	PEAK
3		2390.000	27.600	29.228	56.828	-17.172	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:47
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

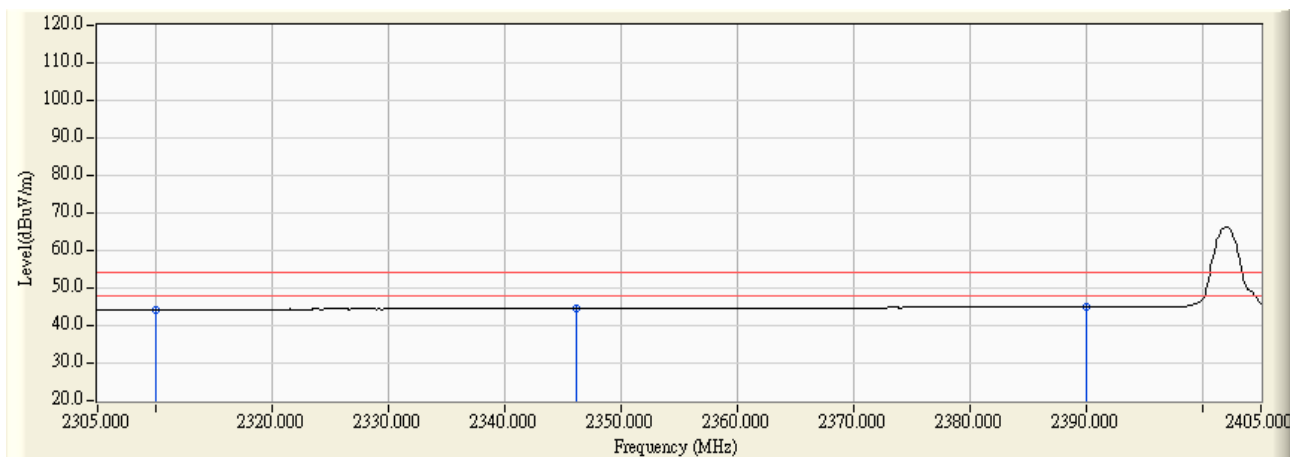


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.265	28.429	55.694	-18.306	74.000	PEAK
2	*	2358.900	27.469	29.926	57.396	-16.604	74.000	PEAK
3		2390.000	27.600	28.469	56.069	-17.931	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:43
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

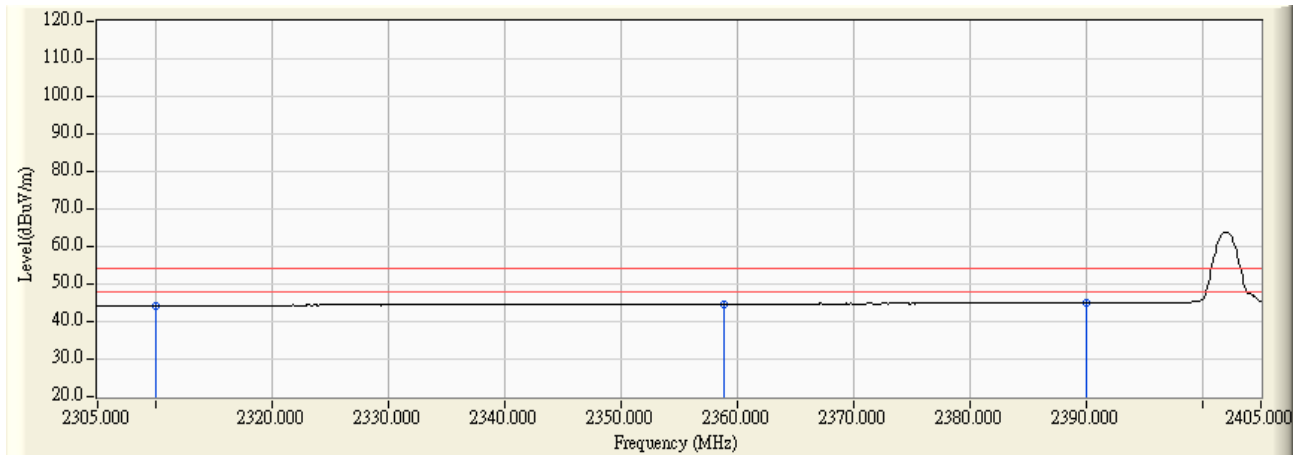


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.265	17.048	44.313	-9.687	54.000	AVERAGE
2		2346.100	27.417	17.132	44.548	-9.452	54.000	AVERAGE
3	*	2390.000	27.600	17.365	44.965	-9.035	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:48
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2402MHz

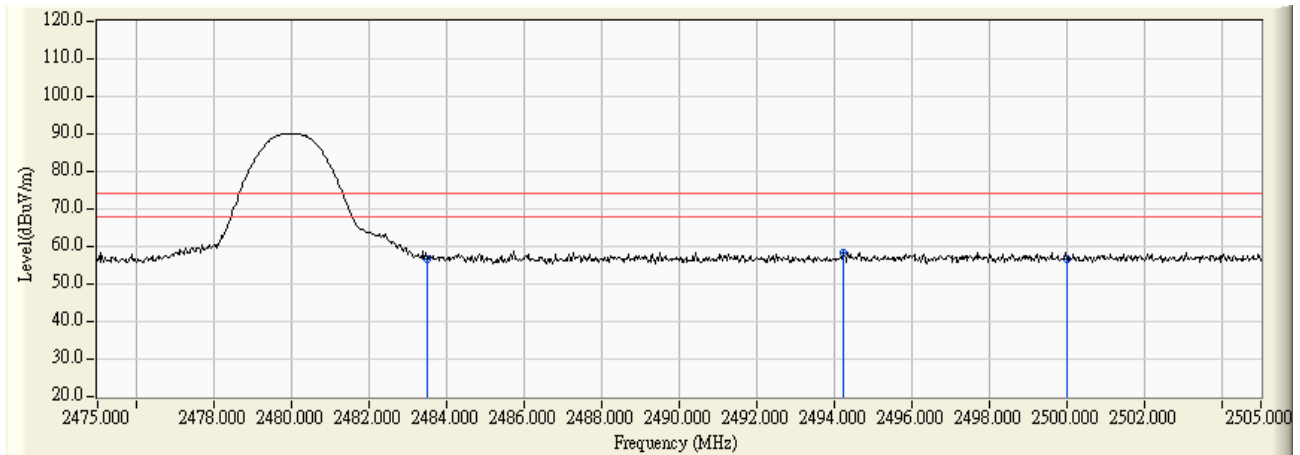


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.265	17.057	44.322	-9.678	54.000	AVERAGE
2		2358.900	27.469	17.169	44.639	-9.361	54.000	AVERAGE
3	*	2390.000	27.600	17.376	44.976	-9.024	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

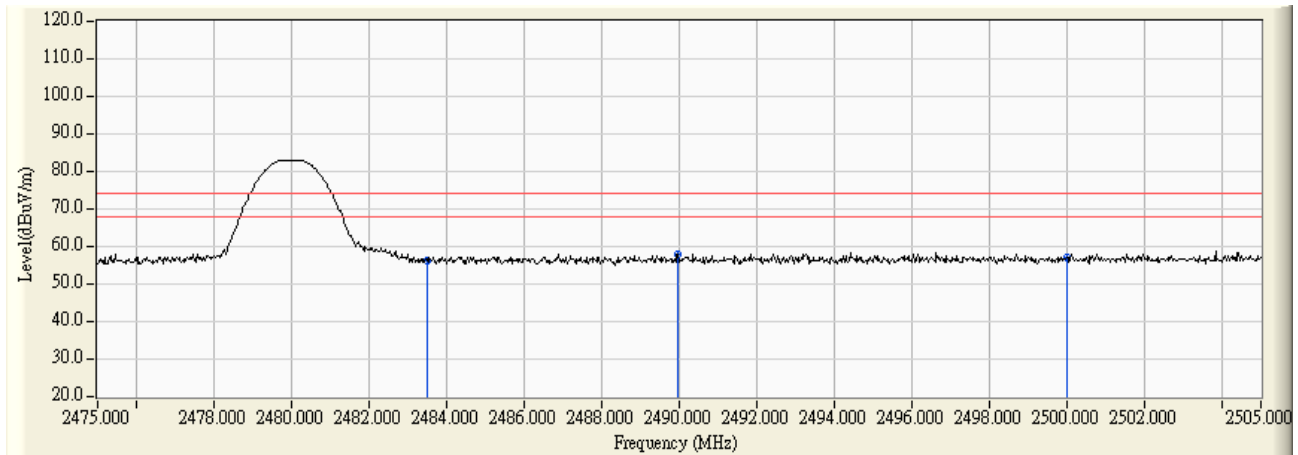


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.991	28.685	56.676	-17.324	74.000	PEAK
2	*	2494.230	28.036	30.289	58.325	-15.675	74.000	PEAK
3		2500.000	28.057	28.441	56.498	-17.502	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:56
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

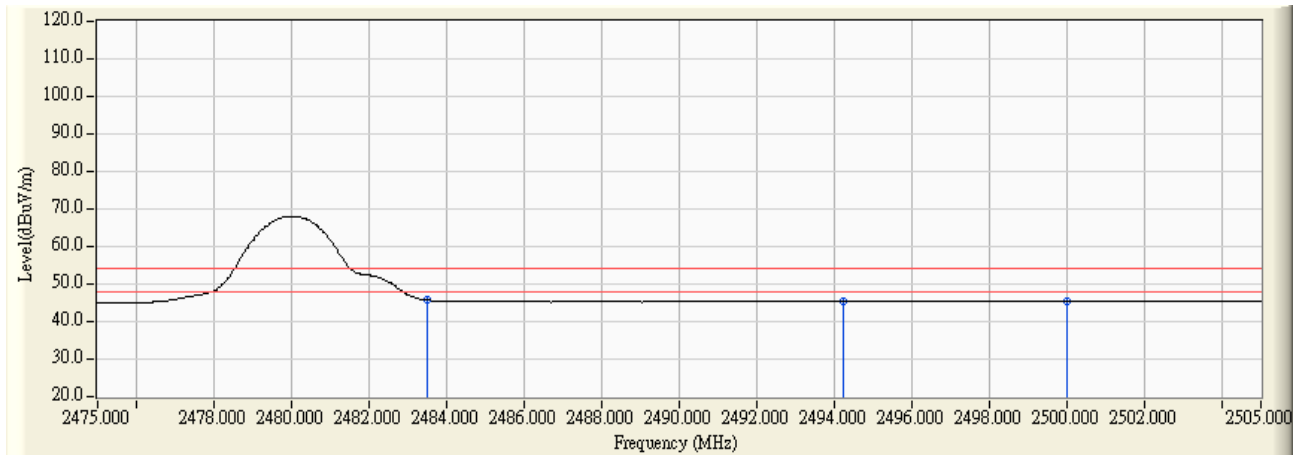


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.991	28.384	56.375	-17.625	74.000	PEAK
2	*	2489.970	28.018	29.720	57.738	-16.262	74.000	PEAK
3		2500.000	28.057	28.977	57.034	-16.966	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:53
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - HORIZONTAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz

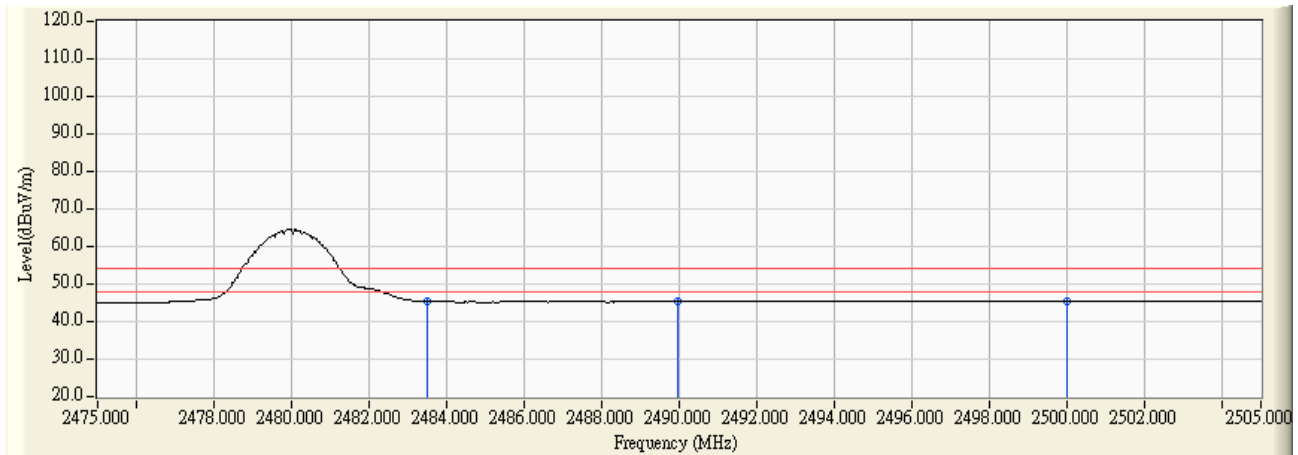


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.991	17.721	45.712	-8.288	54.000	AVERAGE
2		2494.230	28.036	17.302	45.338	-8.662	54.000	AVERAGE
3		2500.000	28.057	17.375	45.432	-8.568	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	Time : 2011/04/28 - 18:57
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2010-12) - VERTICAL	Power : DC 5V
EUT : BT 2.1 + EDR HEADSET WITH VIDEO CAMERA	Note : Mode 1: Transmit (GFSK)-2480MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.991	17.309	45.300	-8.700	54.000	AVERAGE
2		2489.970	28.018	17.247	45.265	-8.735	54.000	AVERAGE
3	*	2500.000	28.057	17.359	45.416	-8.584	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

7. Number of hopping frequency

7.1. Test Equipment

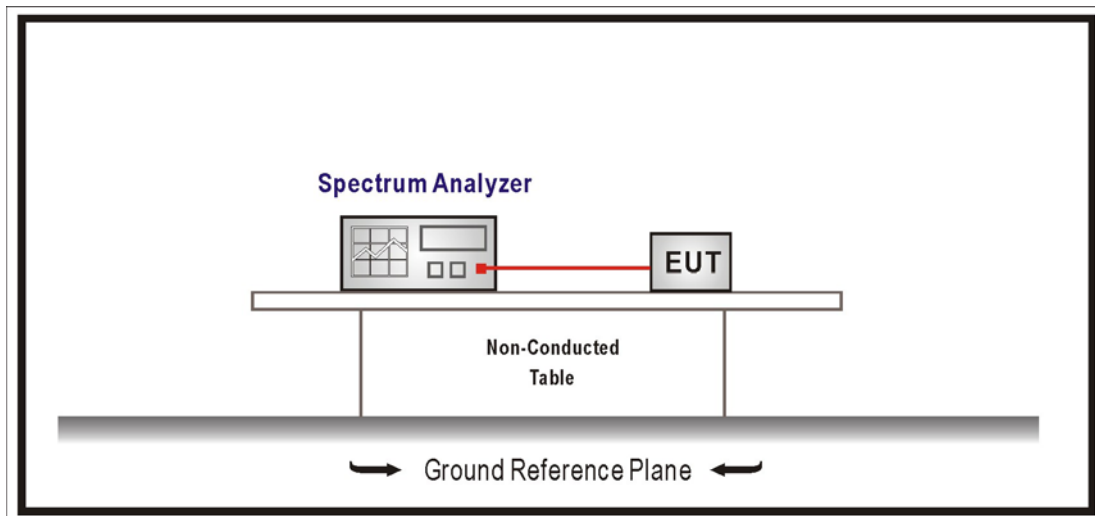
The following test equipment is used during the test:

Number of hopping frequency / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

For frequency hopping systems operating in the 2400-2483.5 MHz bands, which use fewer than 75 hopping frequencies, may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels are used.

For frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies.

7.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = the frequency band of operation

$RBW \geq 1\%$ of the span , $VBW \geq RBW$

Sweep = auto, Detector function = peak, Trace = max hold

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

7.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Number of hopping frequency		
Test Mode	Mode 1: Transmit		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)	Result
2402 ~ 2480	79	>75	Pass

2401.5-2420.5MHz



* RBW 100 kHz

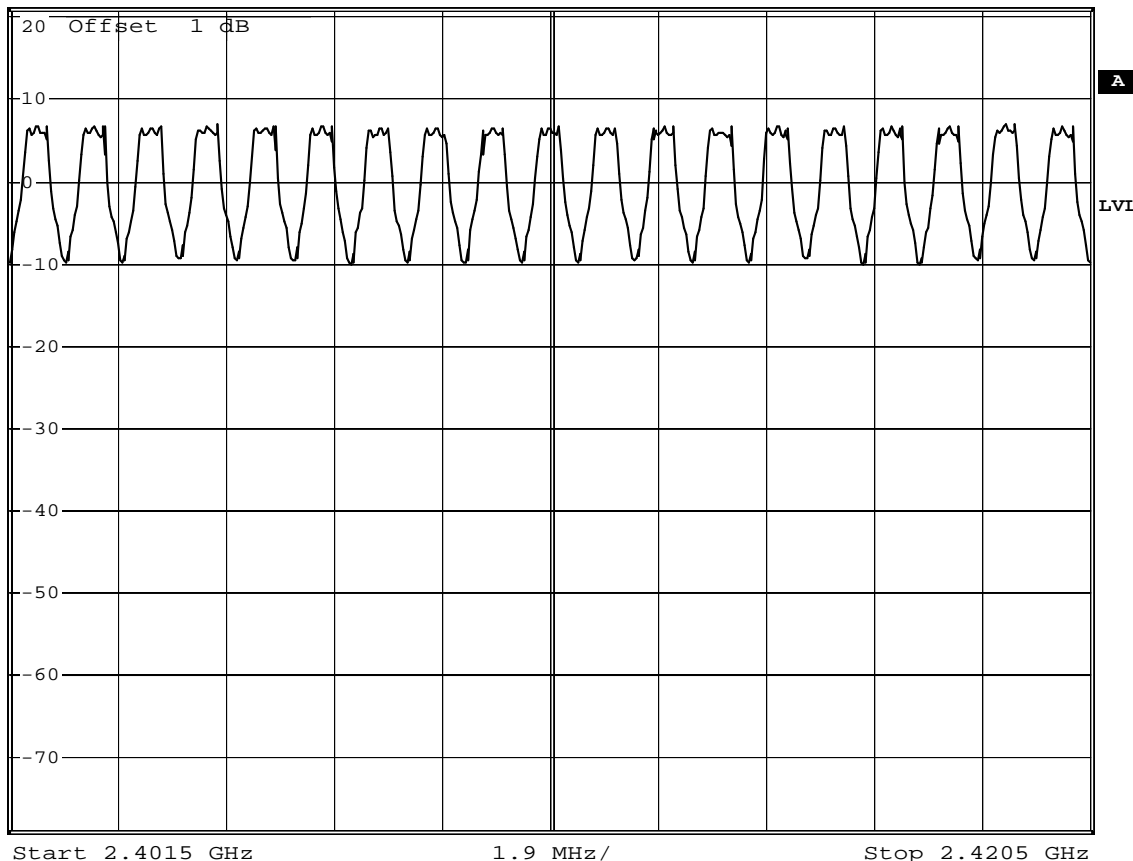
* VBW 1 MHz

* SWT 100 ms

Ref 21 dBm

* Att 30 dB

1 PK
VIEW



Date: 29.APR.2011 15:41:26

2420.5-2440.5MHz



*RBW 100 kHz

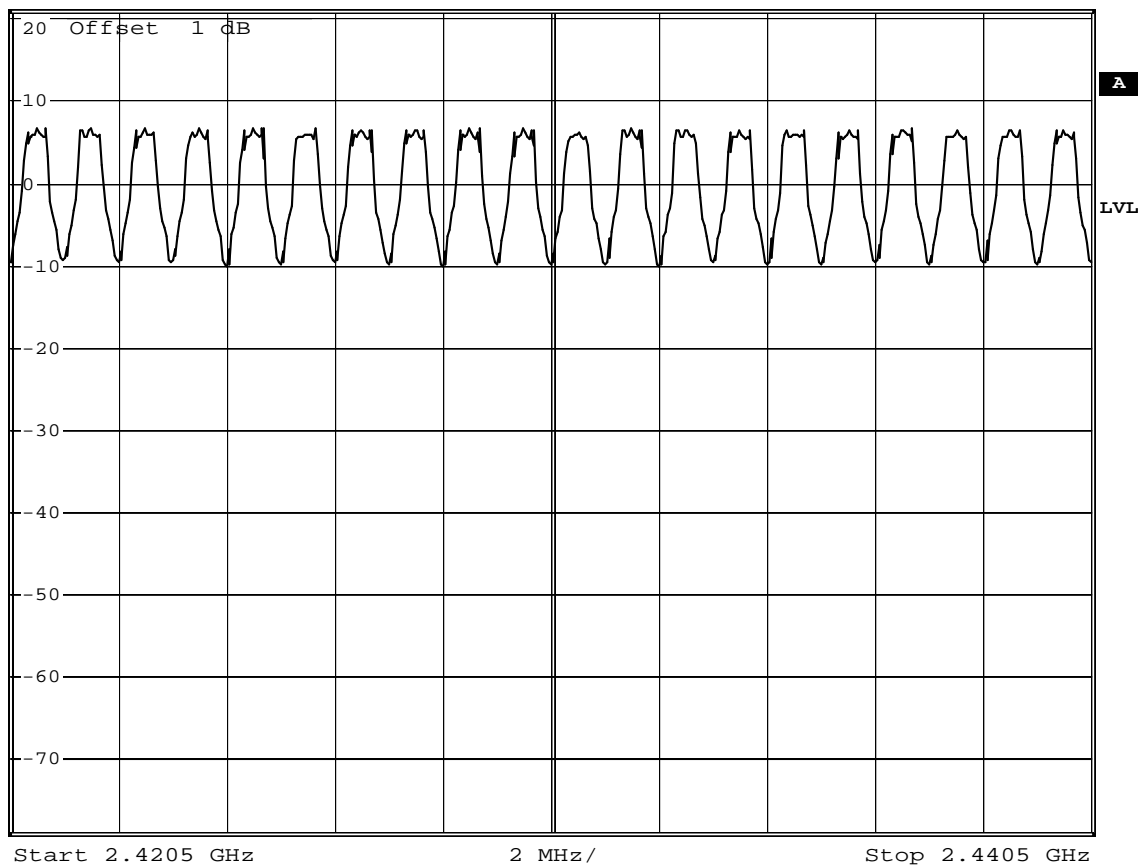
*VBW 1 MHz

Ref 21 dBm

*Att 30 dB

*SWT 100 ms

1 PK
VIEW



Date: 29.APR.2011 15:44:03

2440.5-2460.5MHz



*RBW 100 kHz

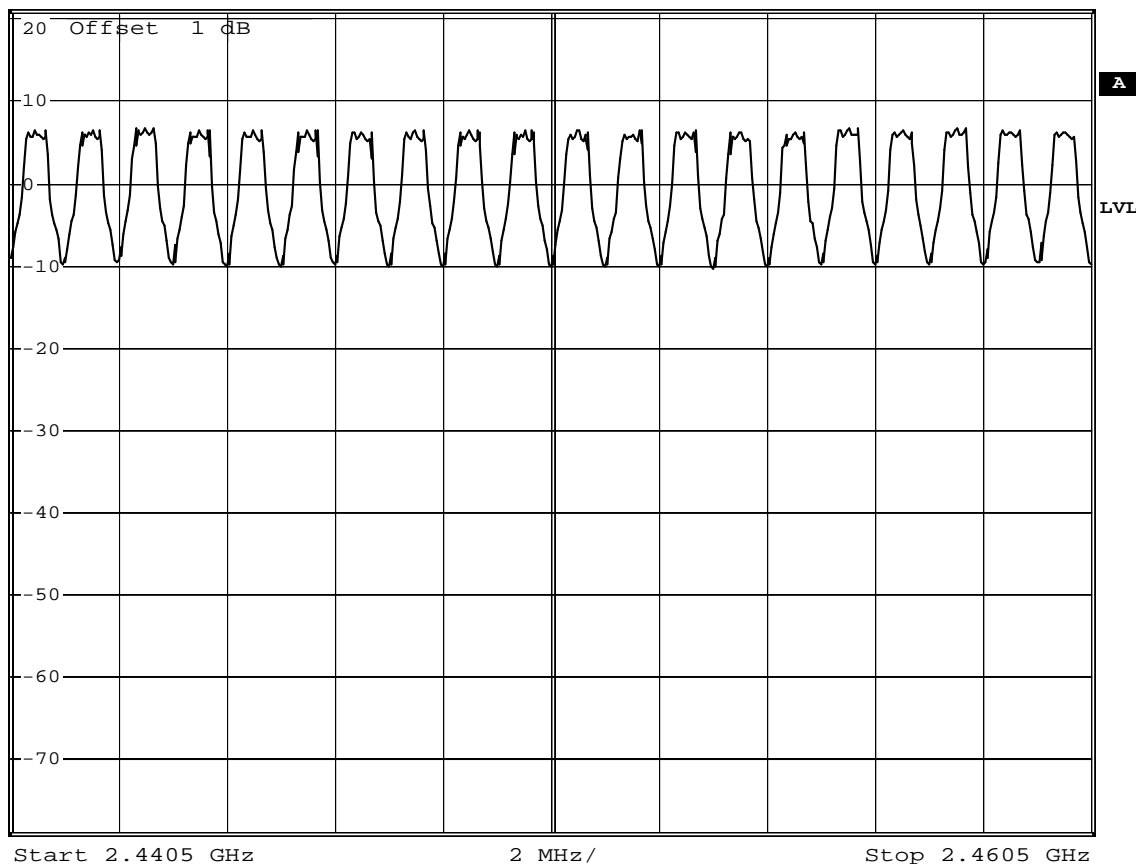
*VBW 1 MHz

Ref 21 dBm

*Att 30 dB

*SWT 100 ms

1 PK
VIEW



Date: 29.APR.2011 15:47:18

2460.5-2480.5MHz



*RBW 100 kHz

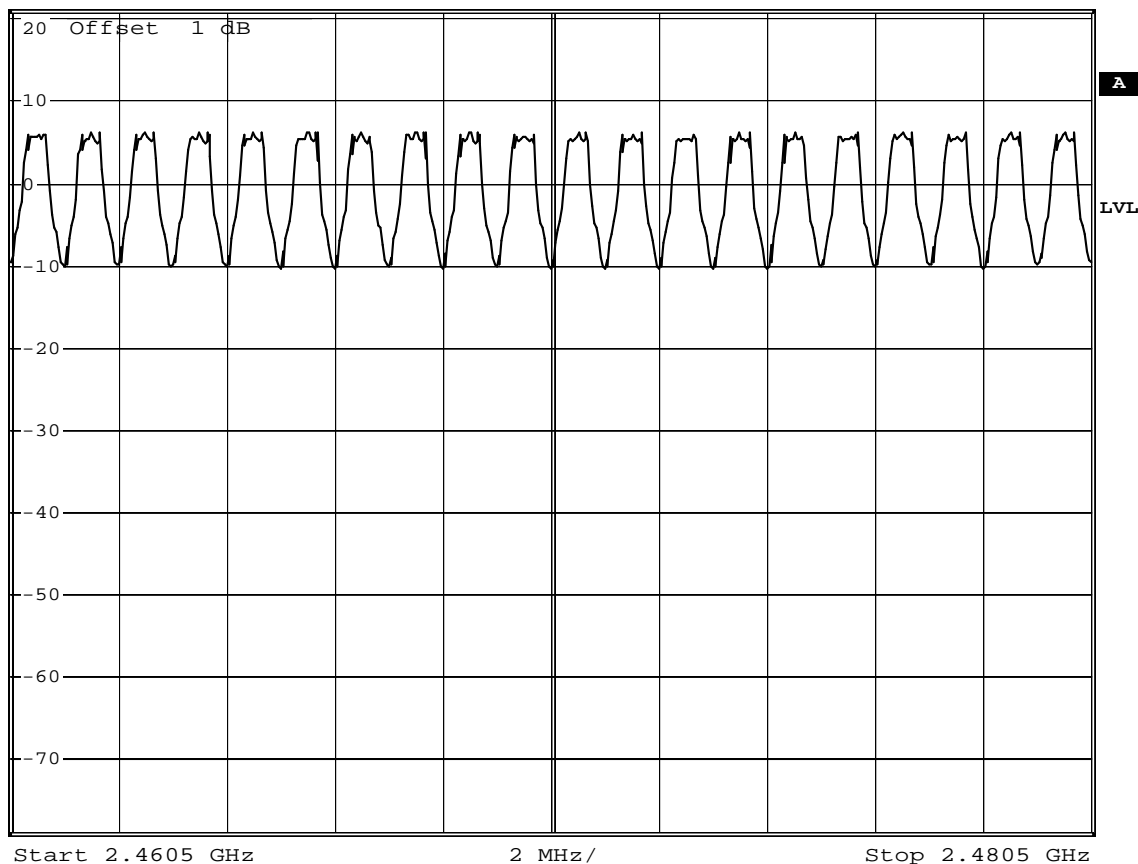
*VBW 1 MHz

Ref 21 dBm

*Att 30 dB

*SWT 100 ms

1 PK
VIEW



Date: 29.APR.2011 16:06:50

8. Carrier Frequency Separation

8.1. Test Equipment

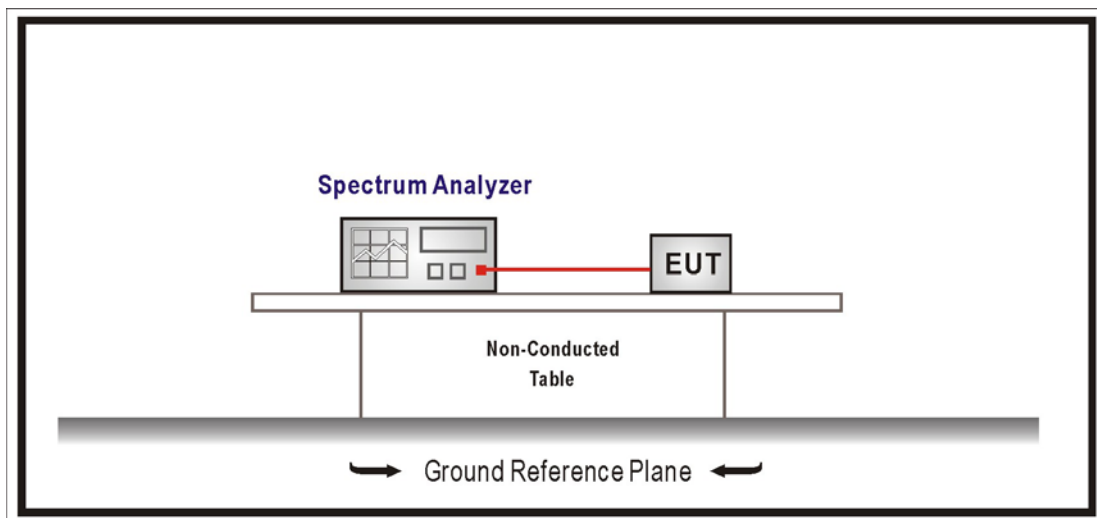
The following test equipment is used during the test:

Carrier Frequency Separation / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Limits

For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = wide enough to capture the peaks of two adjacent channels

Resolution Bandwidth (RBW) \geq 1% of the span, VBW \geq RBW

Sweep = auto, Detector function = peak, Trace = max hold

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

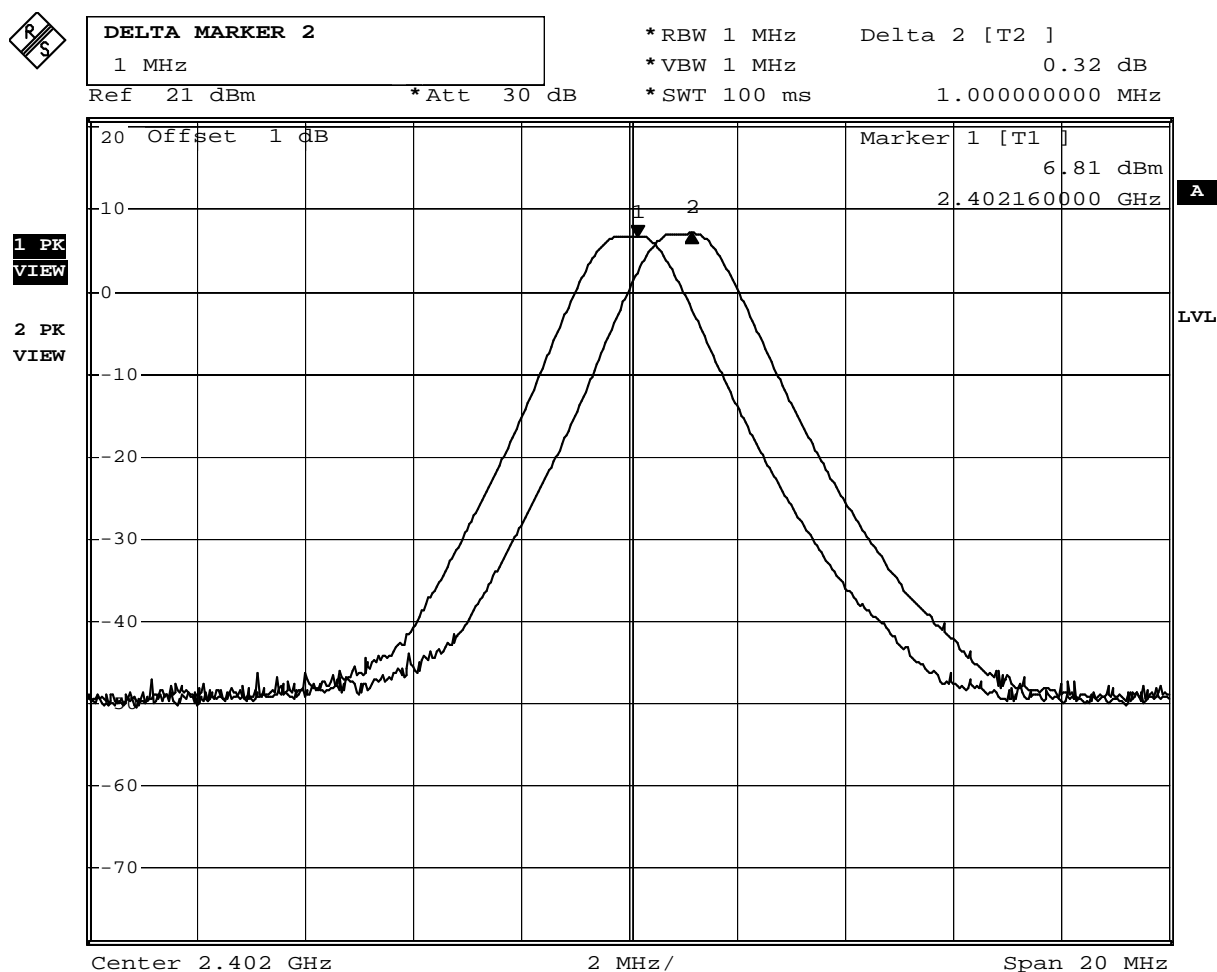
8.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1	>0.75	Pass

Channel 00



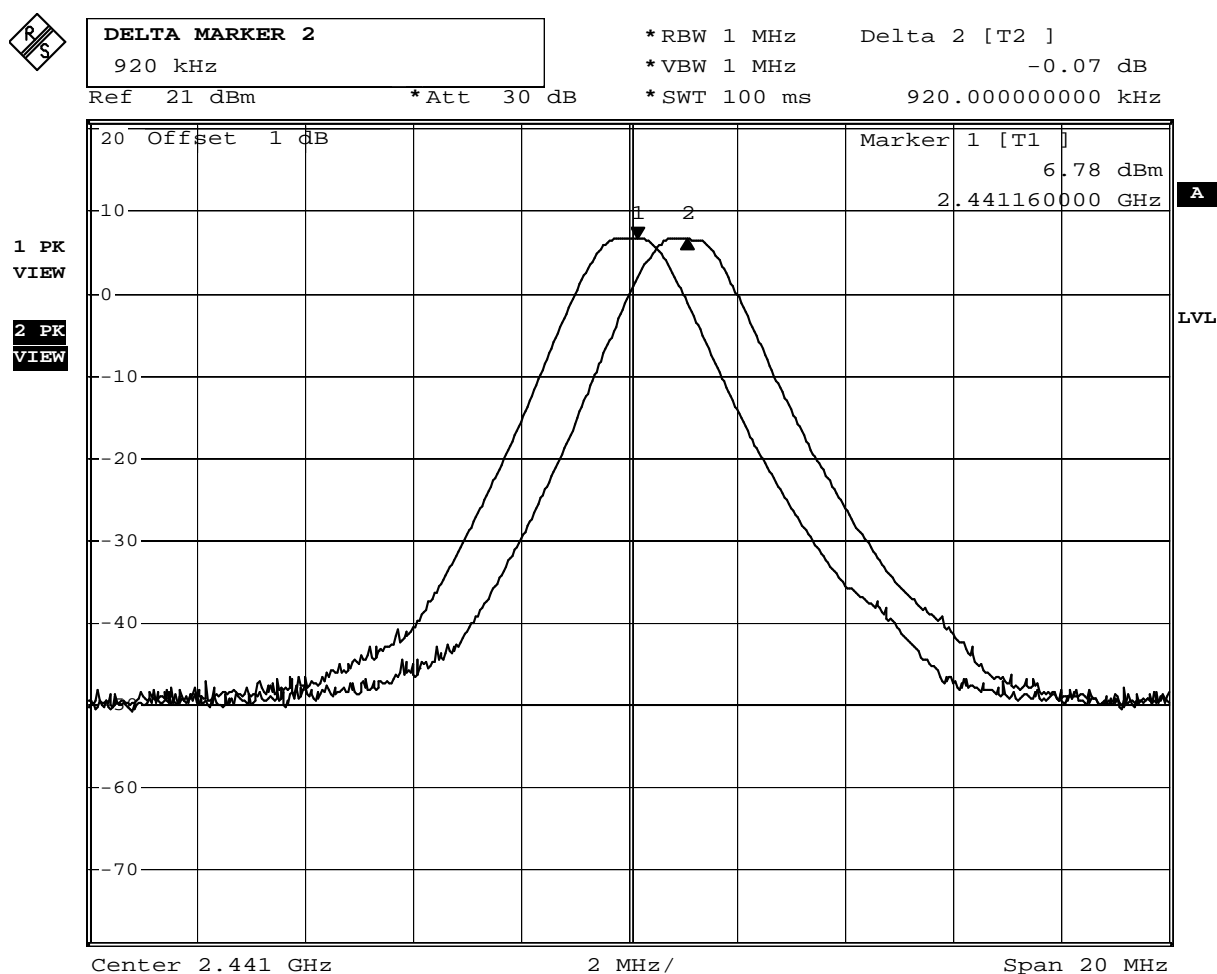
Date: 29.APR.2011 16:28:33

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	0.92	>0.75	Pass

Channel 39



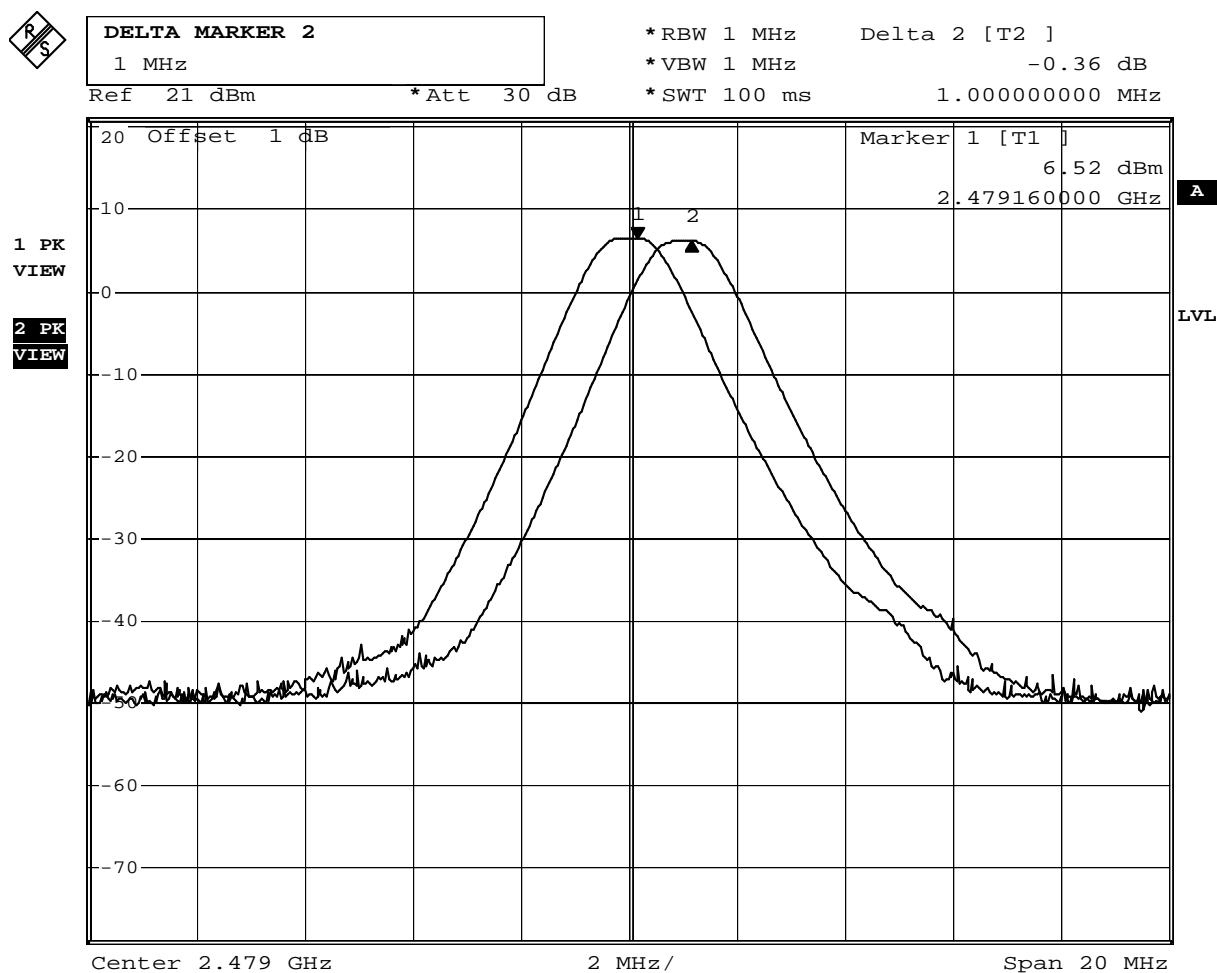
Date: 29.APR.2011 16:30:52

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1	>0.75	Pass

Channel 78



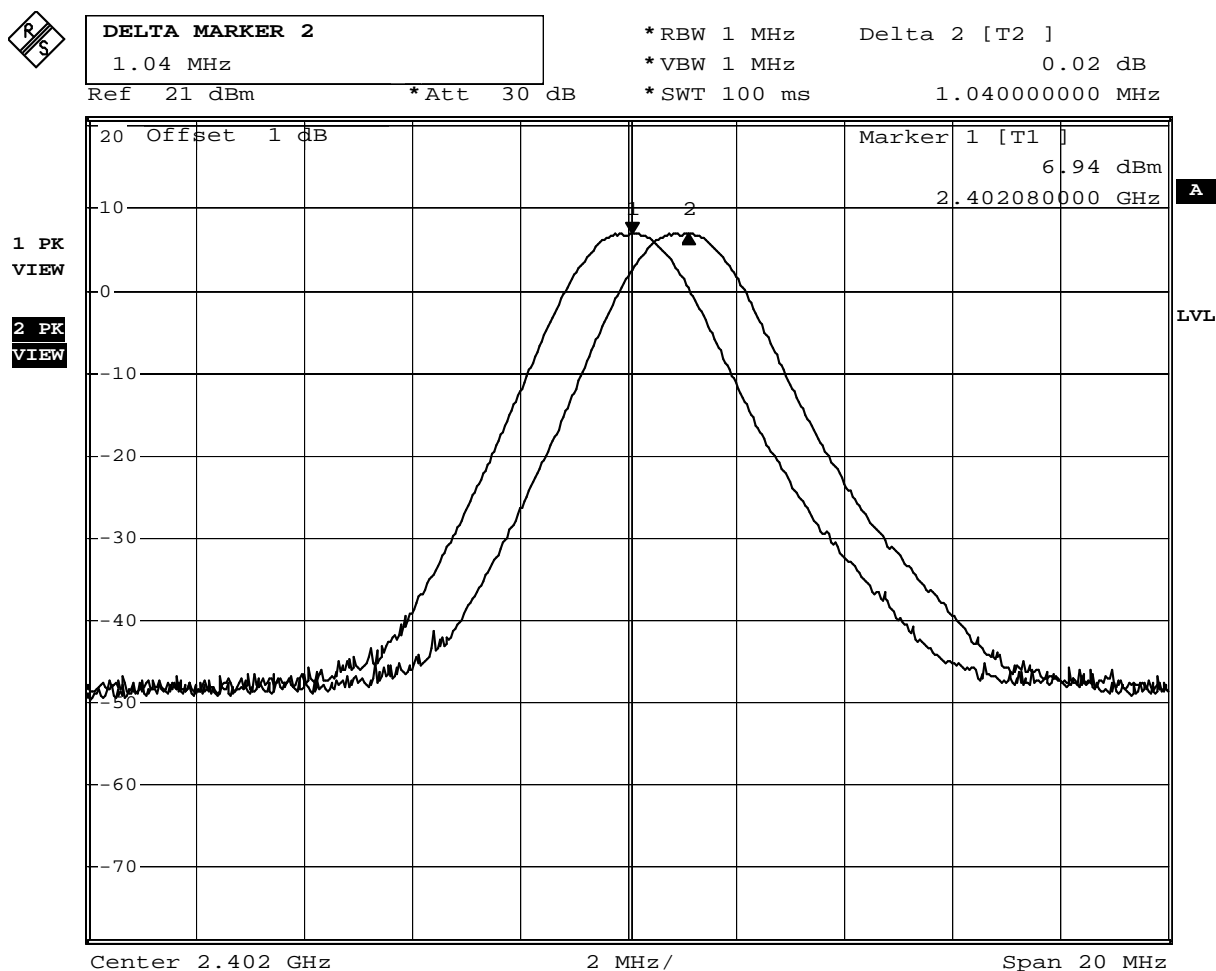
Date: 29.APR.2011 16:32:18

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.04	>0.92	Pass

Channel 00



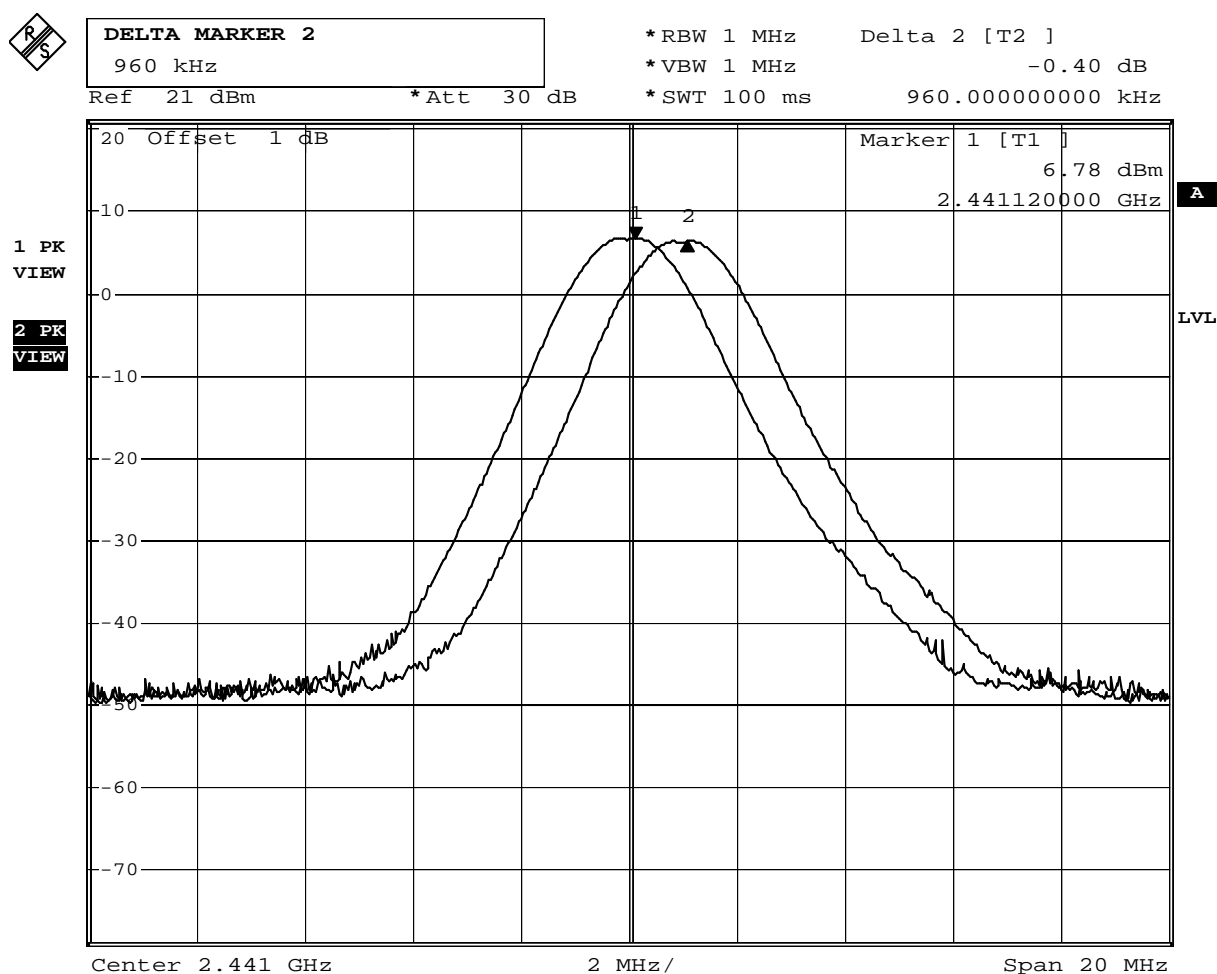
Date: 2.MAY.2011 09:24:37

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	0.96	>0.92	Pass

Channel 39



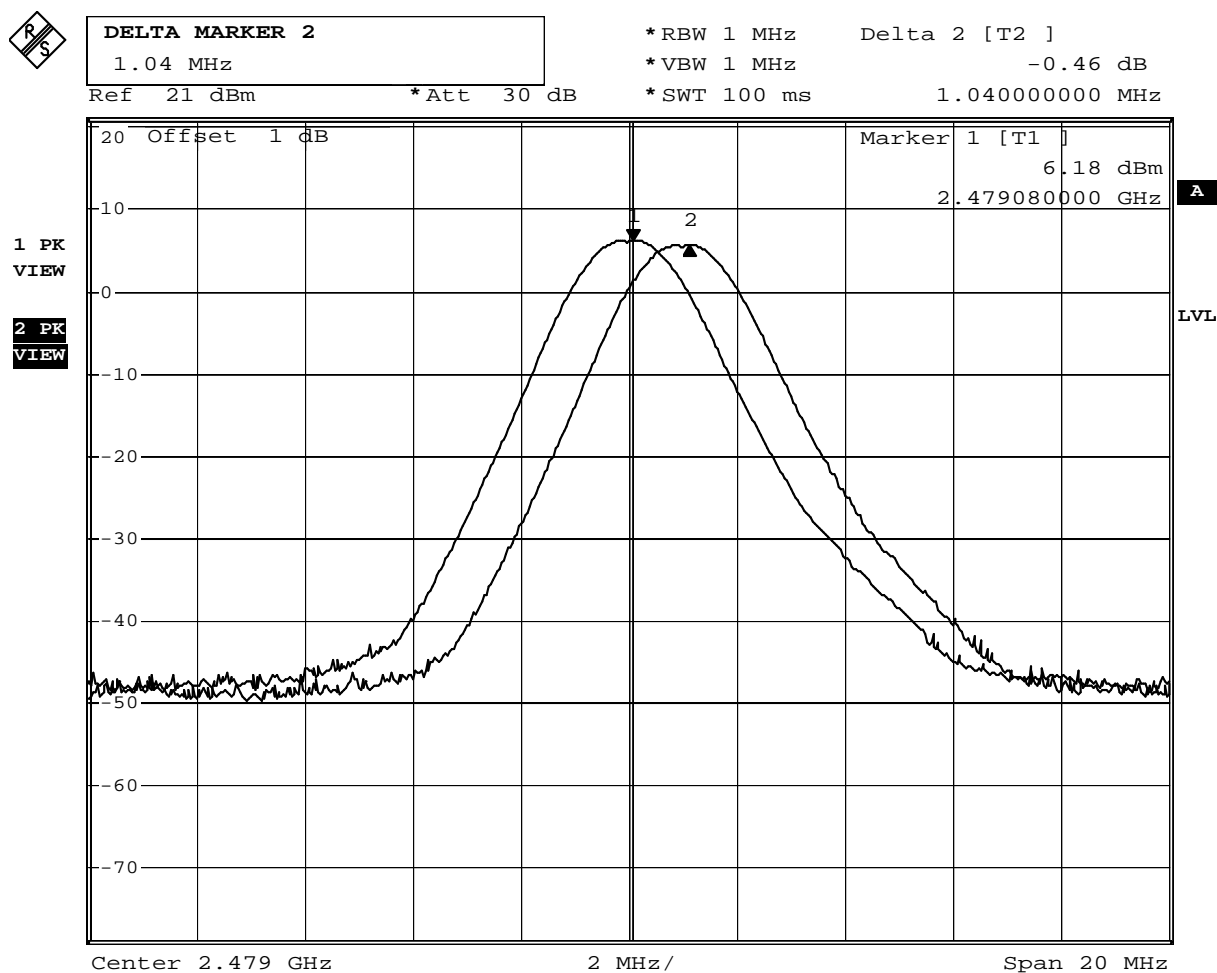
Date: 2.MAY.2011 09:27:11

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1.04	>0.92	Pass

Channel 78



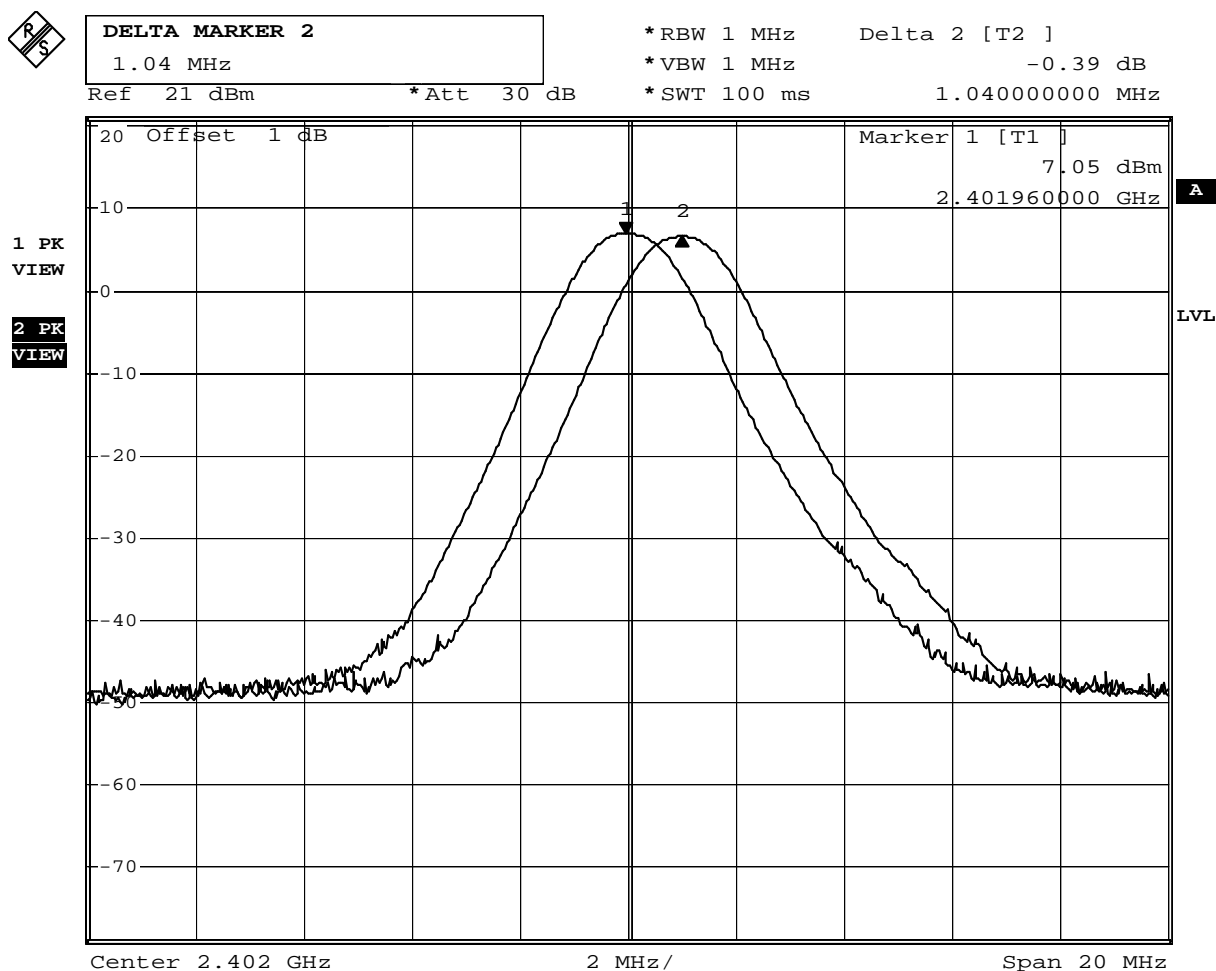
Date: 2.MAY.2011 09:29:16

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/05/02	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.04	>0.93	Pass

Channel 00



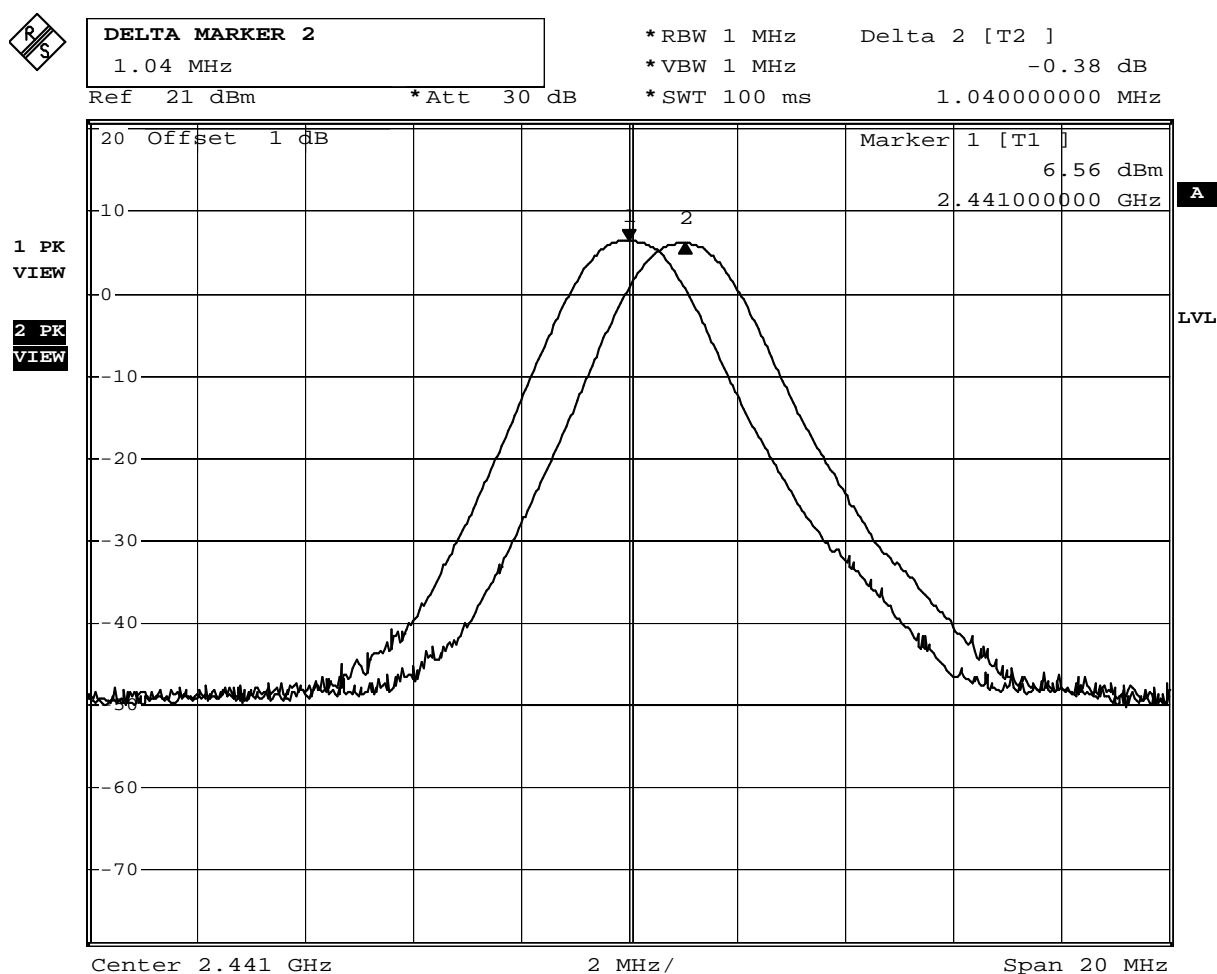
Date: 2.MAY.2011 09:34:06

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/05/02	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	1.04	>0.93	Pass

Channel 39



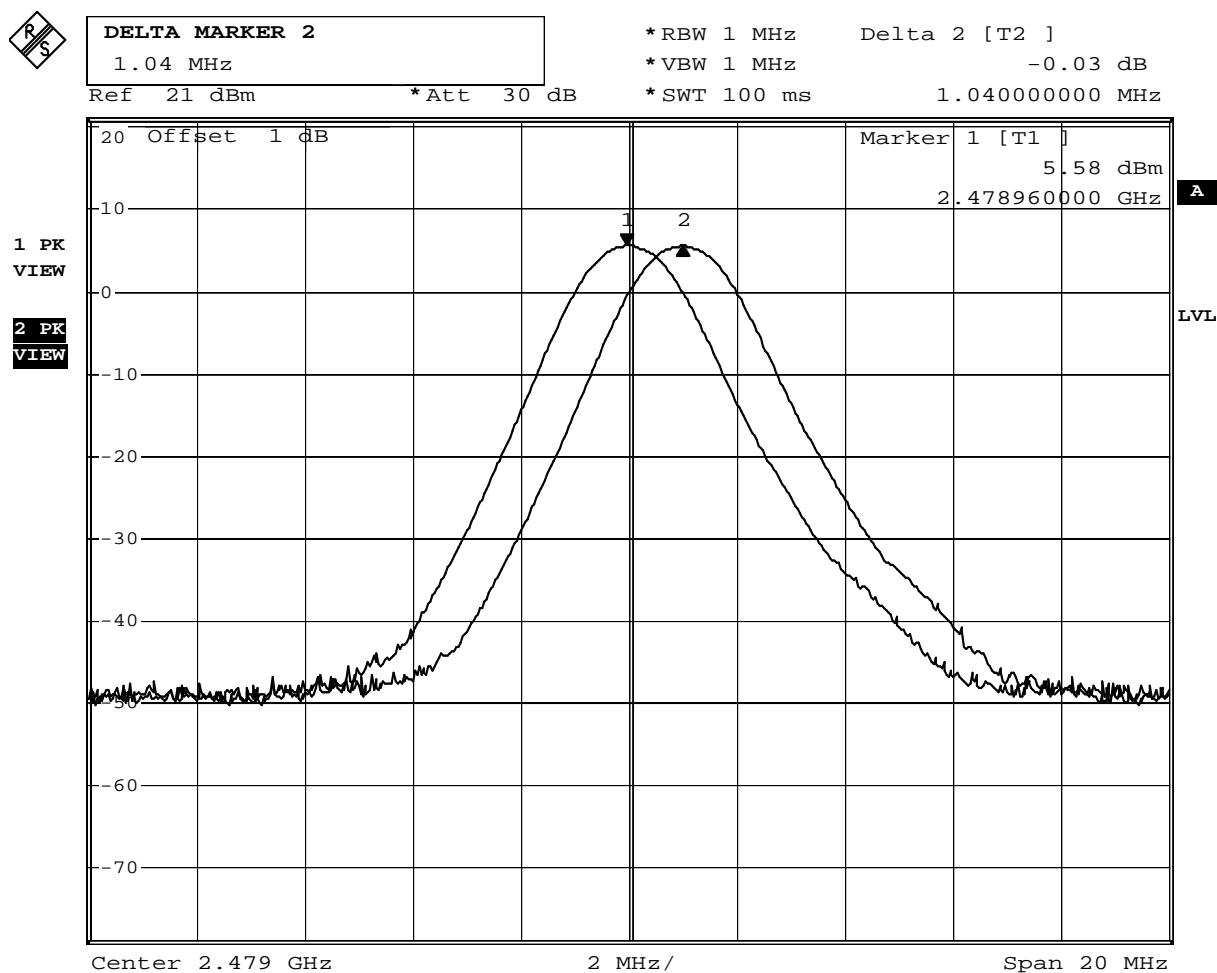
Date: 2.MAY.2011 09:37:44

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/05/02	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1.04	>0.93	Pass

Channel 78



Date: 2.MAY.2011 09:38:45

9. Occupied Bandwidth

9.1. Test Equipment

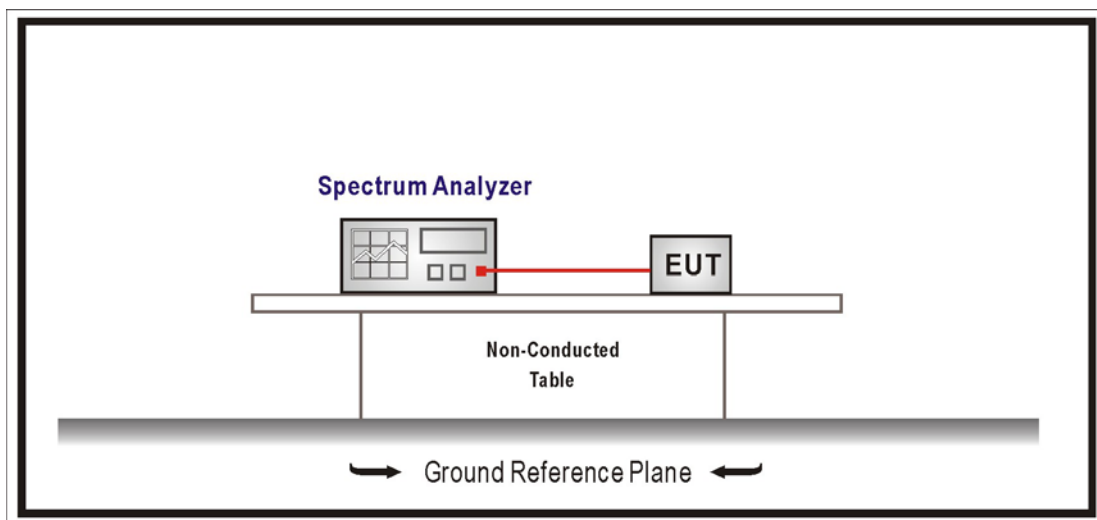
The following test equipment is used during the test:

Occupied Bandwidth / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

9.2. Test Setup



9.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

For frequency hopping systems operating in the 5725-5850 MHz bands. The maximum 20 dB bandwidth of the hopping channel is 1 MHz.

For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

9.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW \geq 1% of the 20 dB bandwidth, VBW \geq RBW

Sweep = auto, Detector function = peak, Trace = max hold

The EUT should be transmitting at its maximum data rate.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

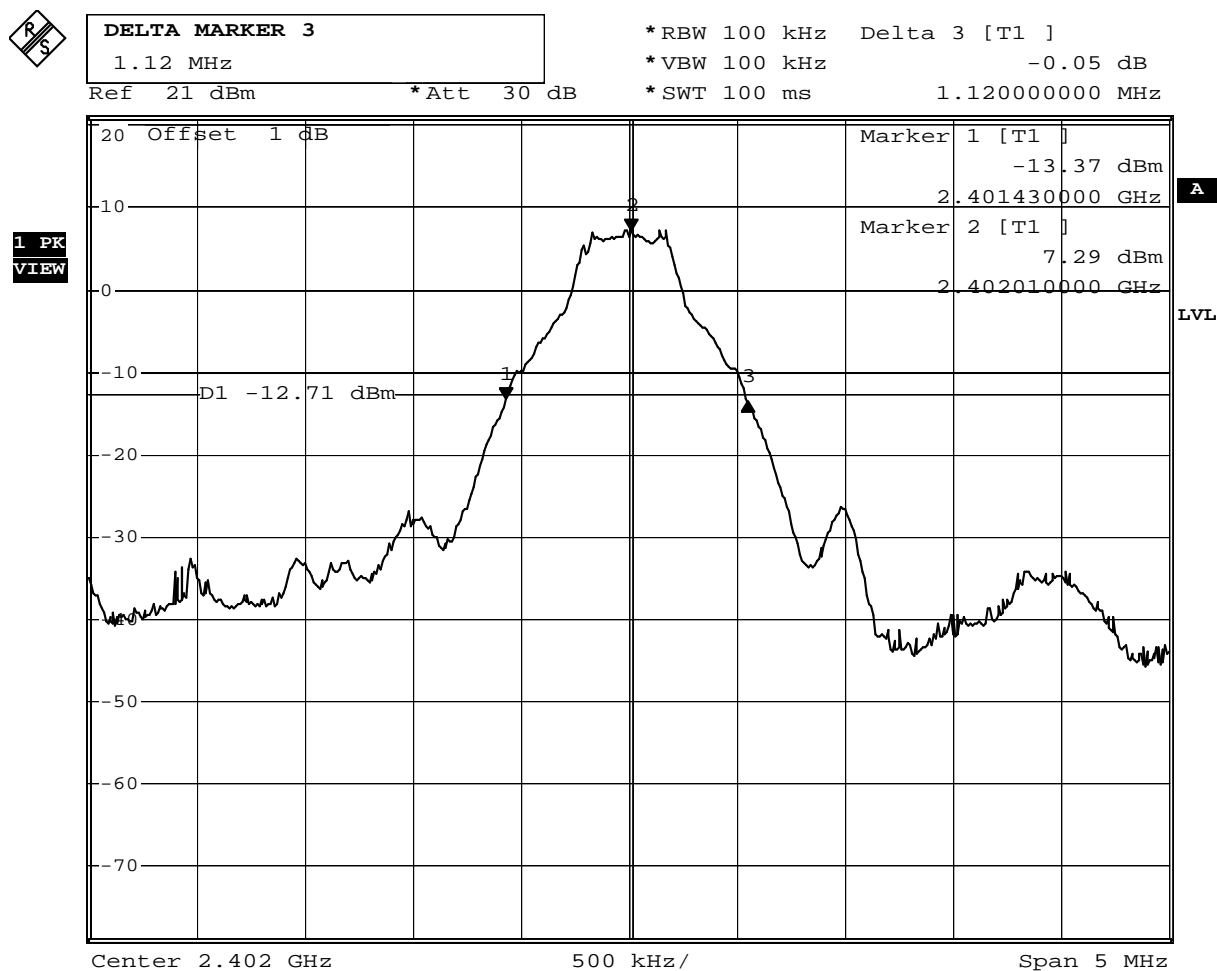
9.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.12	--	Pass

Channel 00



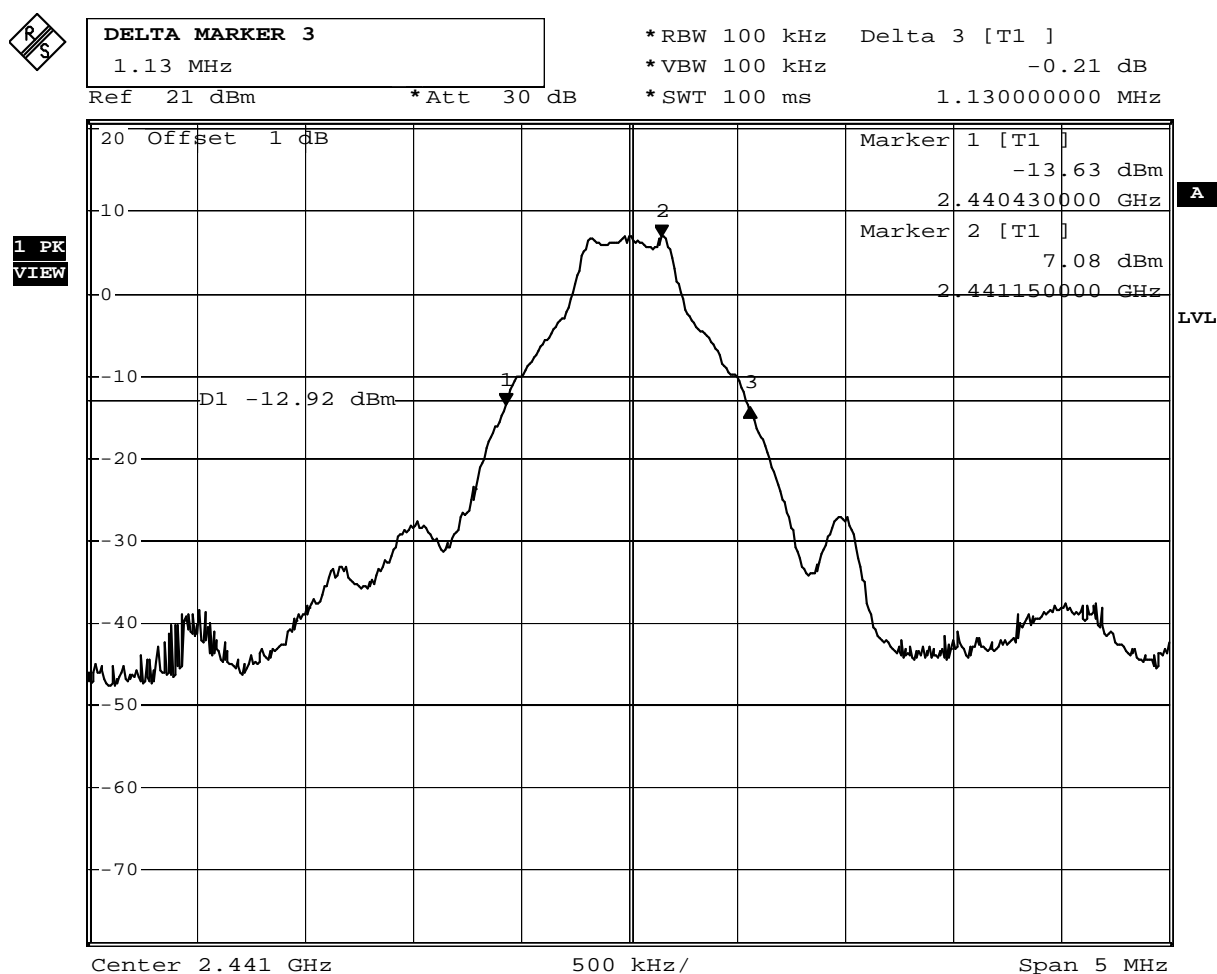
Date: 29.APR.2011 14:46:49

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	1.13	--	Pass

Channel 39



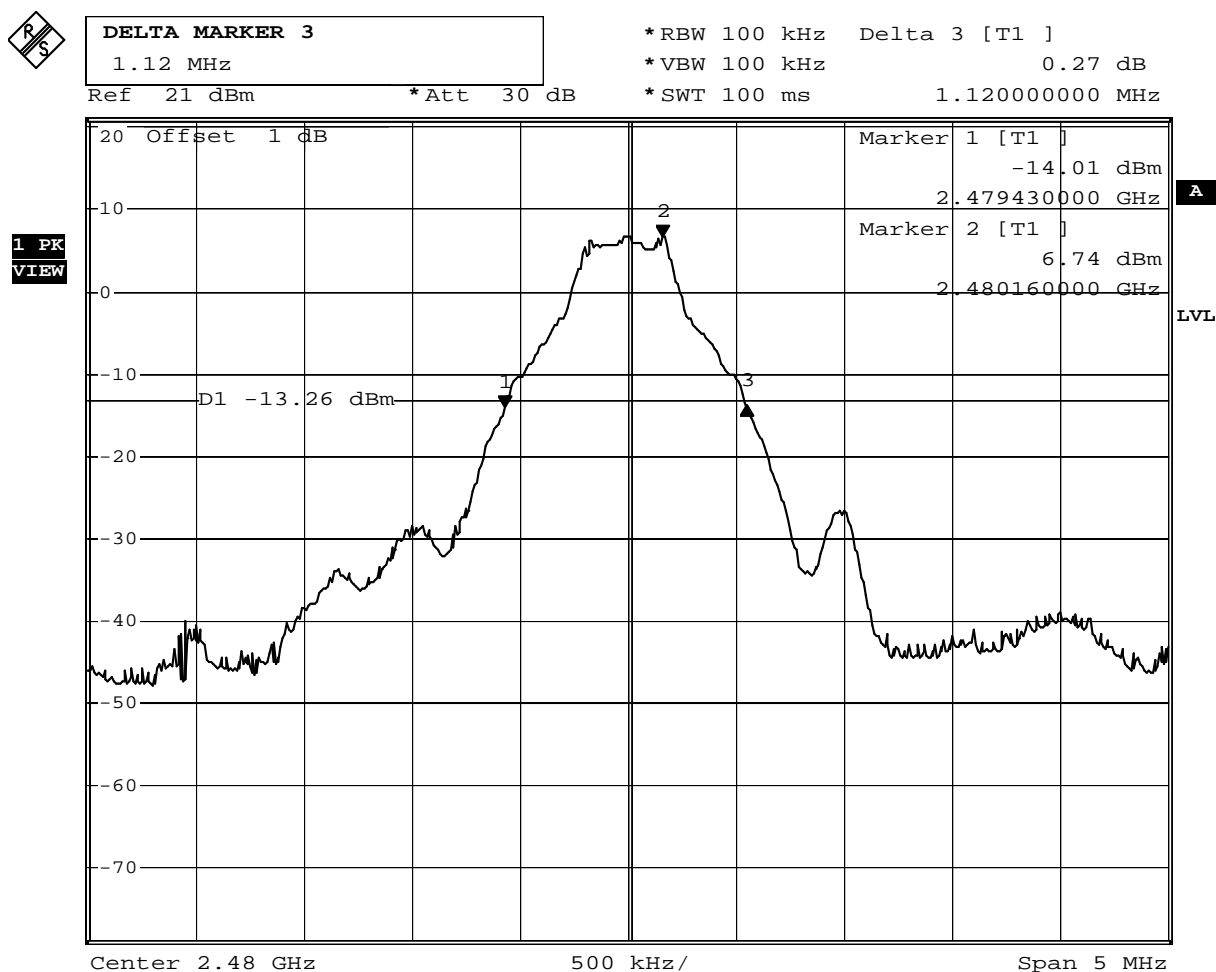
Date: 29.APR.2011 14:45:44

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (GFSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1.12	--	Pass

Channel 78



Date: 29.APR.2011 14:48:11

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.38	--	Pass

Channel 00



DELTA MARKER 3

1.38 MHz

Ref 21 dBm

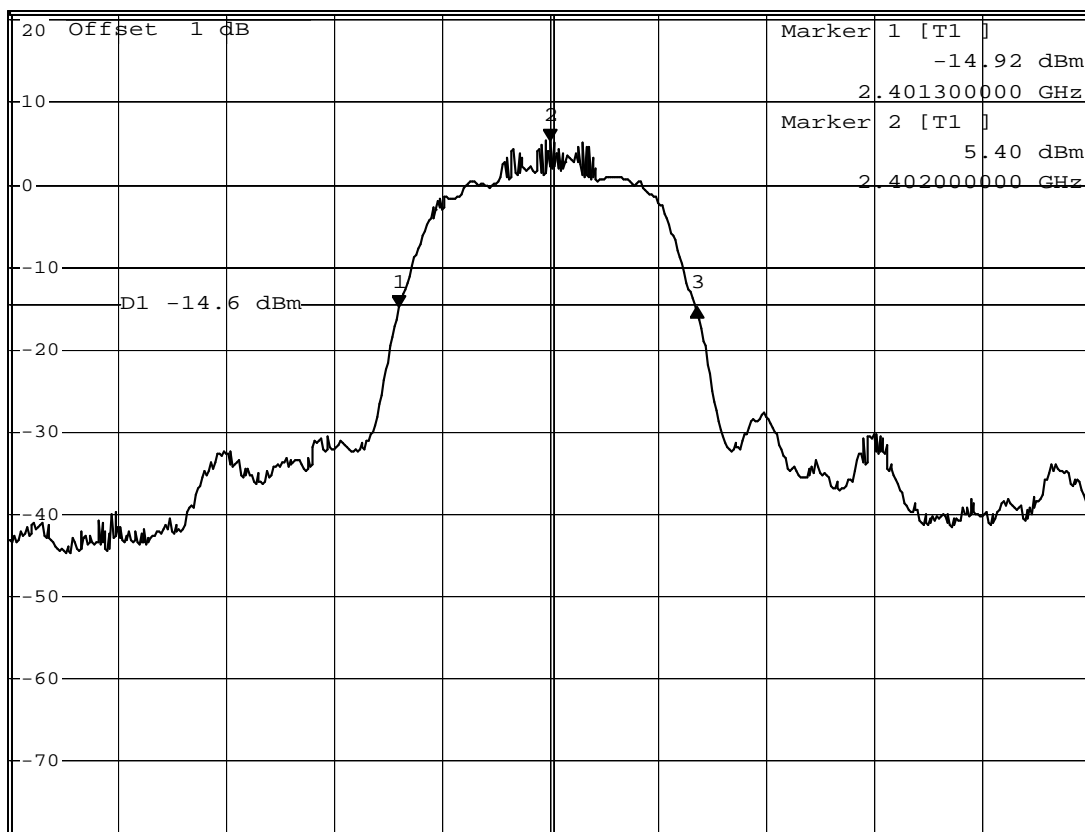
* Att 30 dB

* RBW 100 kHz Delta 3 [T1]

* VBW 100 kHz 0.02 dB

* SWT 100 ms 1.380000000 MHz

1 PK
VIEW



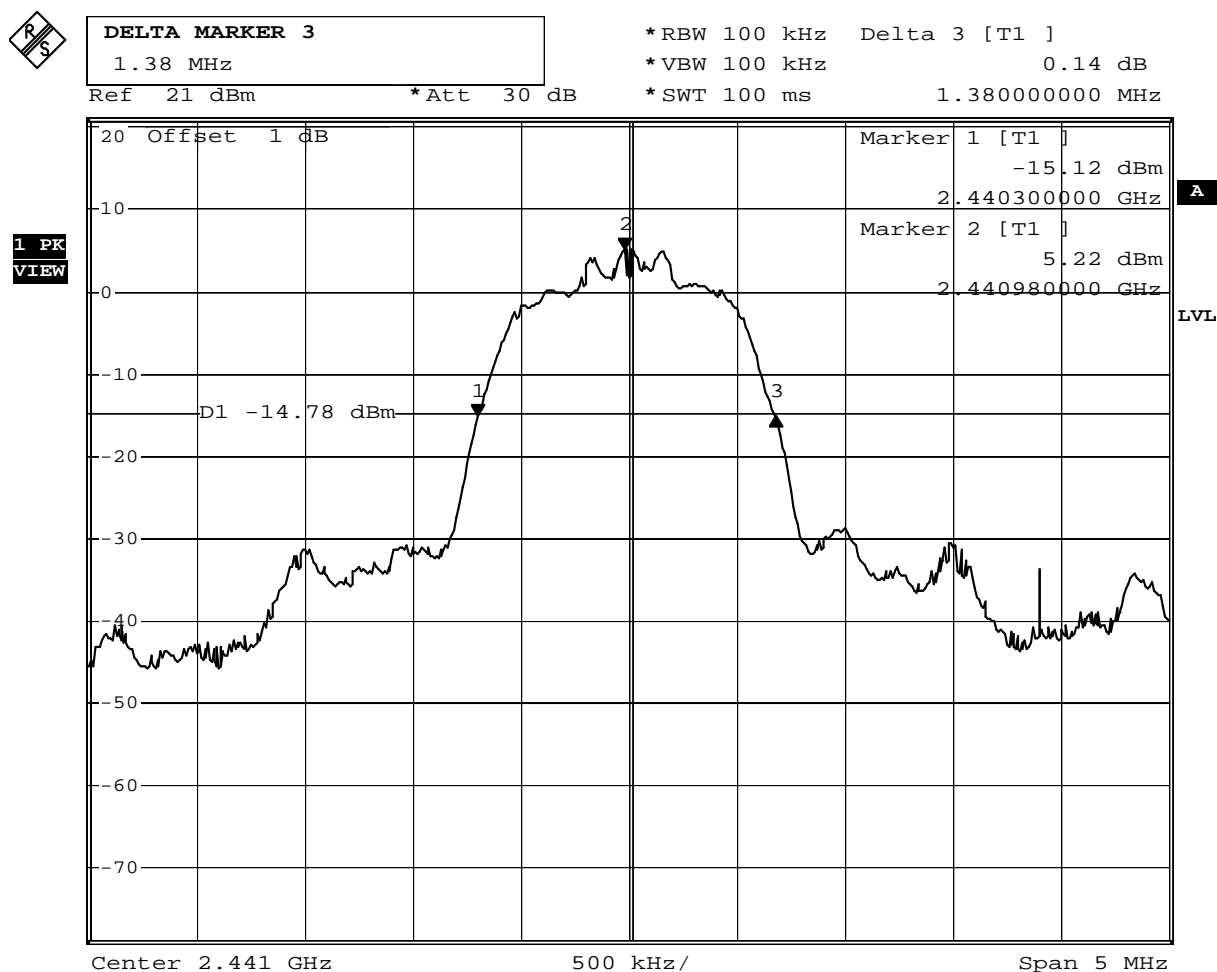
Date: 29.APR.2011 14:53:02

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	1.38	--	Pass

Channel 39



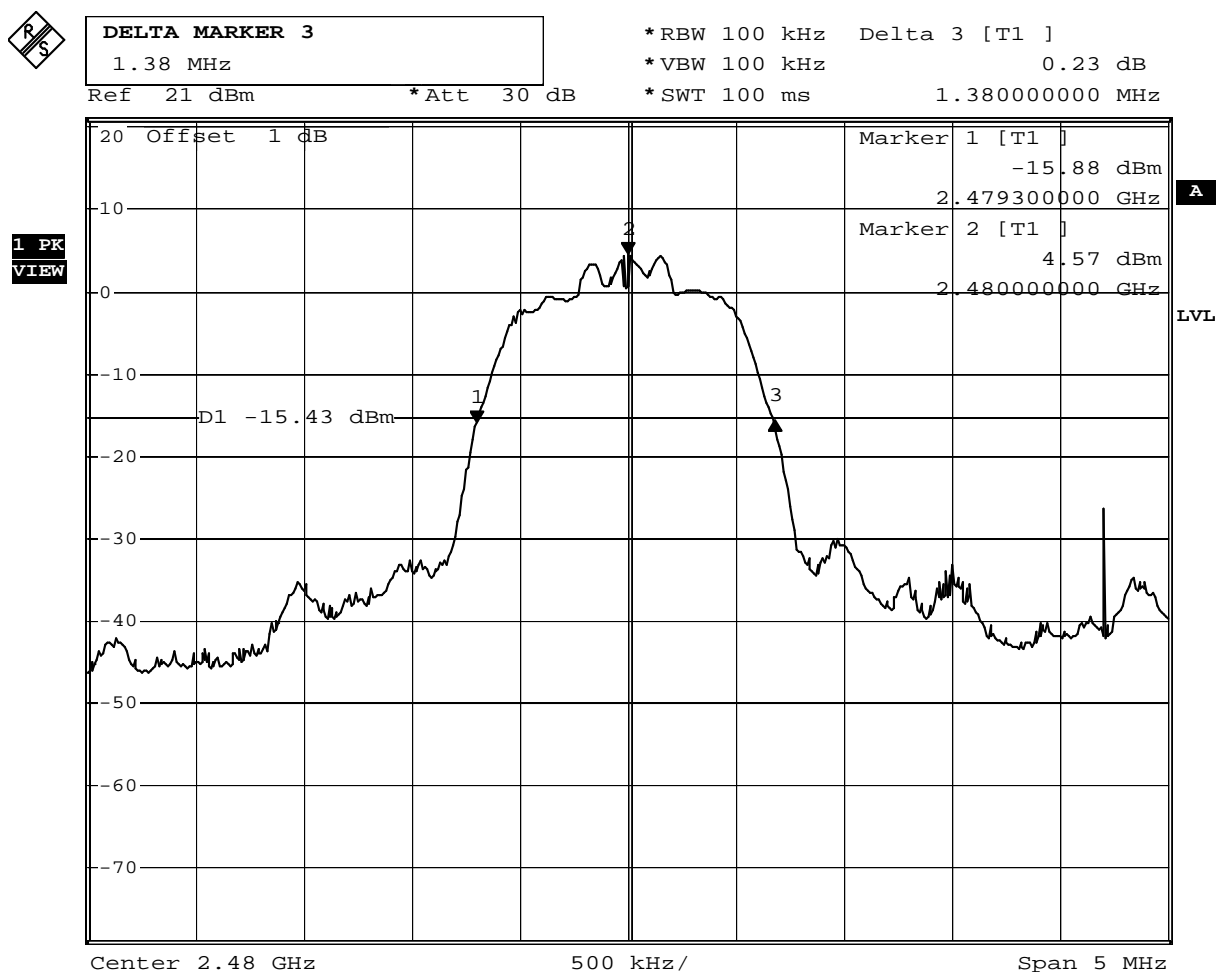
Date: 29.APR.2011 14:51:41

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit ($\pi/4$ -DQPSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1.38	--	Pass

Channel 78



Date: 29.APR.2011 14:50:32

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.39	--	Pass

Channel 00



DELTA MARKER 3

1.39 MHz

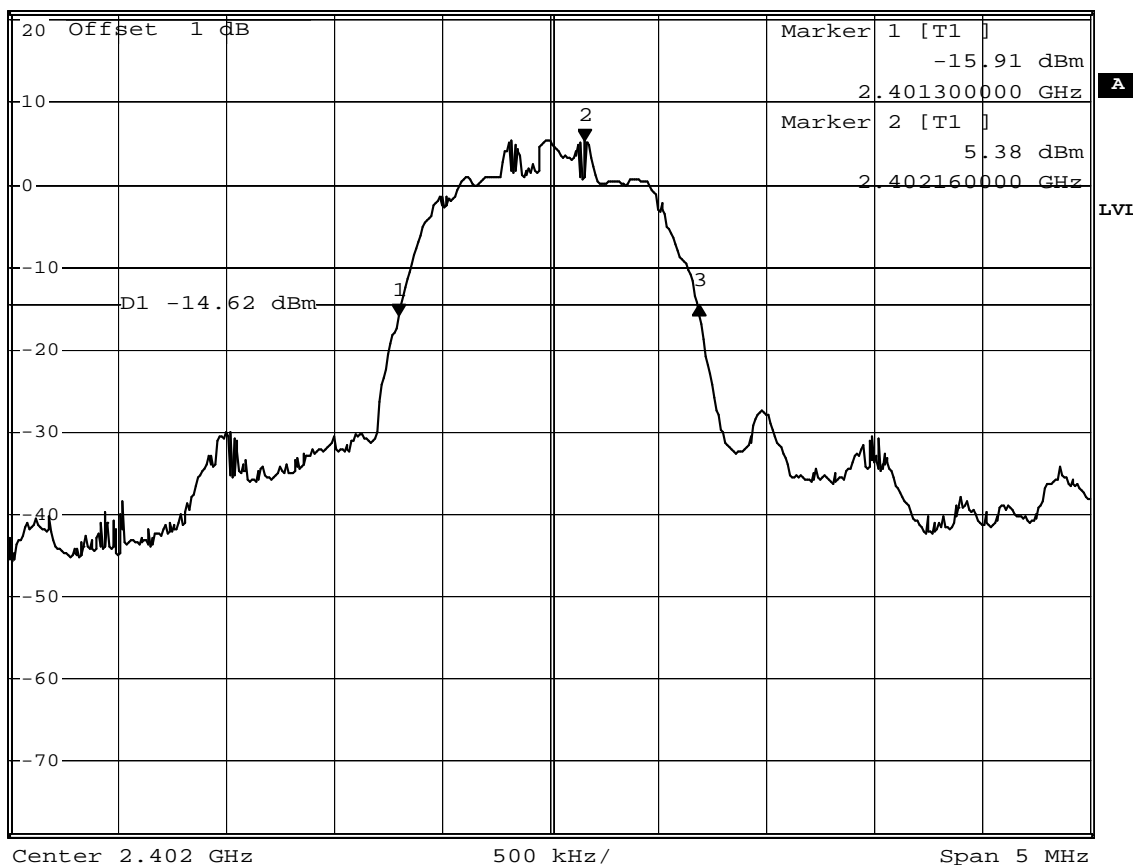
Ref 21 dBm

* Att 30 dB

* RBW 100 kHz Delta 3 [T1]

* VBW 100 kHz 1.25 dB

* SWT 100 ms 1.390000000 MHz

1 PK
VIEW


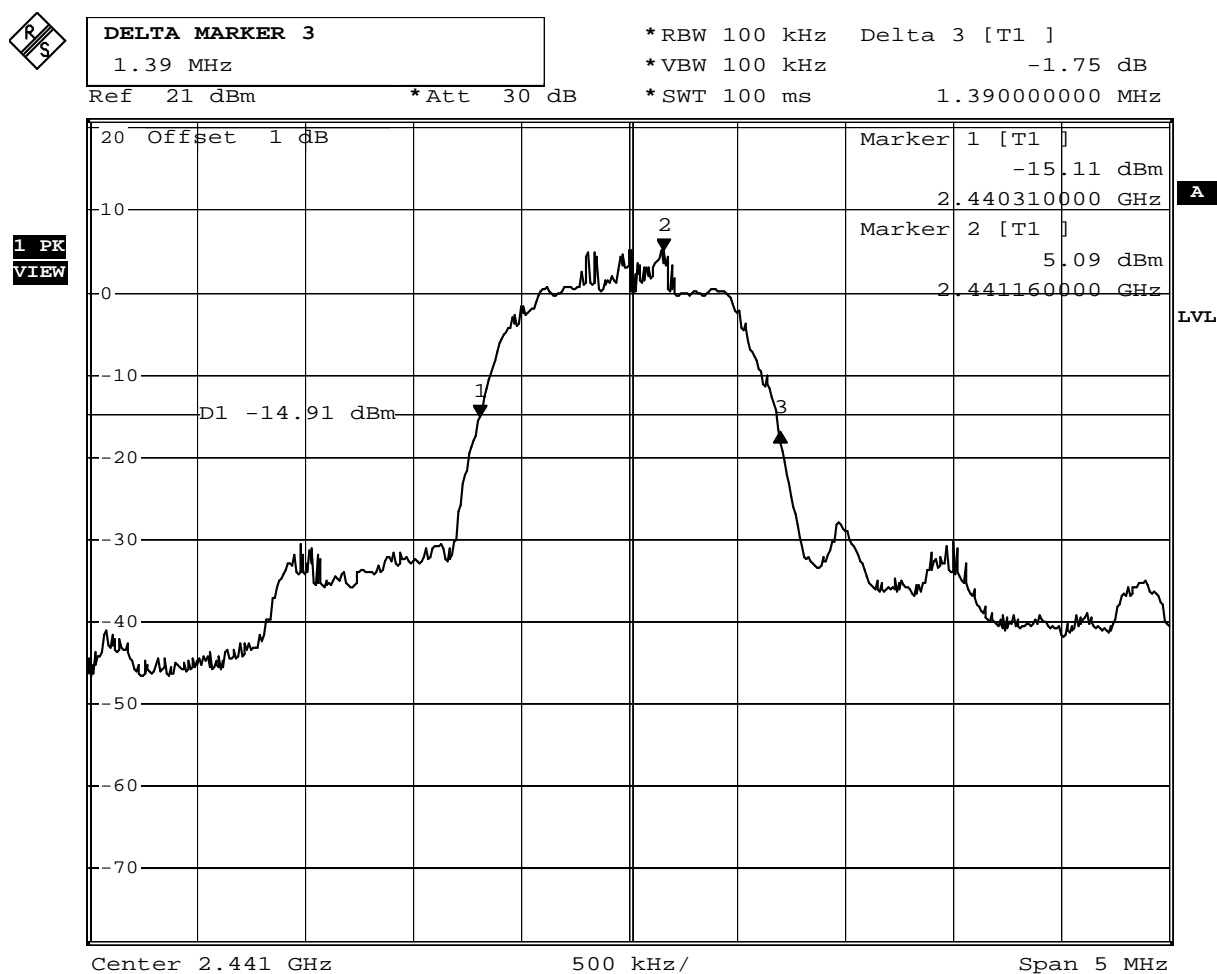
Date: 29.APR.2011 14:55:12

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
39	2441	1.39	--	Pass

Channel 39



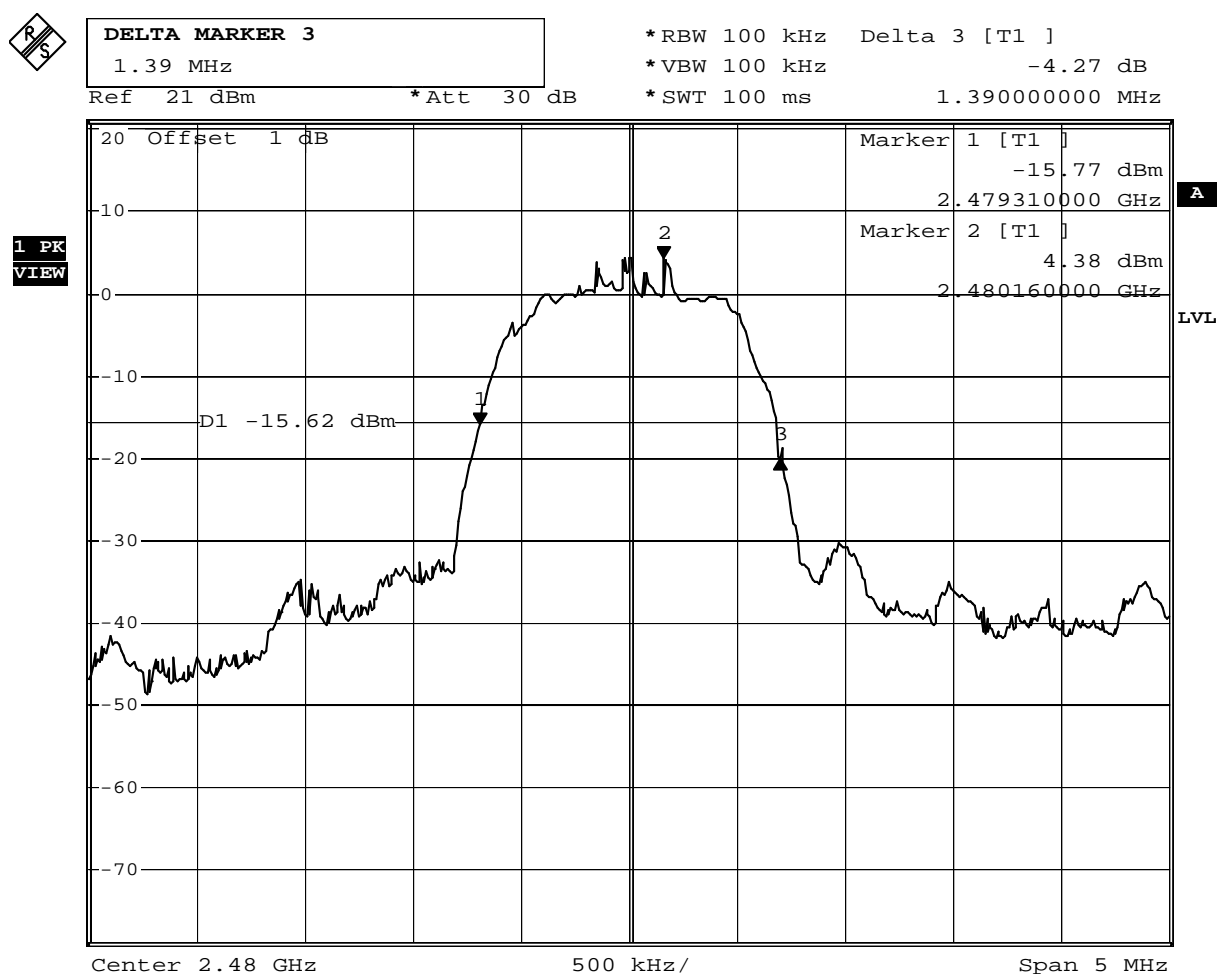
Date: 29.APR.2011 14:56:26

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: Transmit (8PSK)		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

8PSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
78	2480	1.39	--	Pass

Channel 78



Date: 29.APR.2011 14:58:01

10. Dwell Time

10.1. Test Equipment

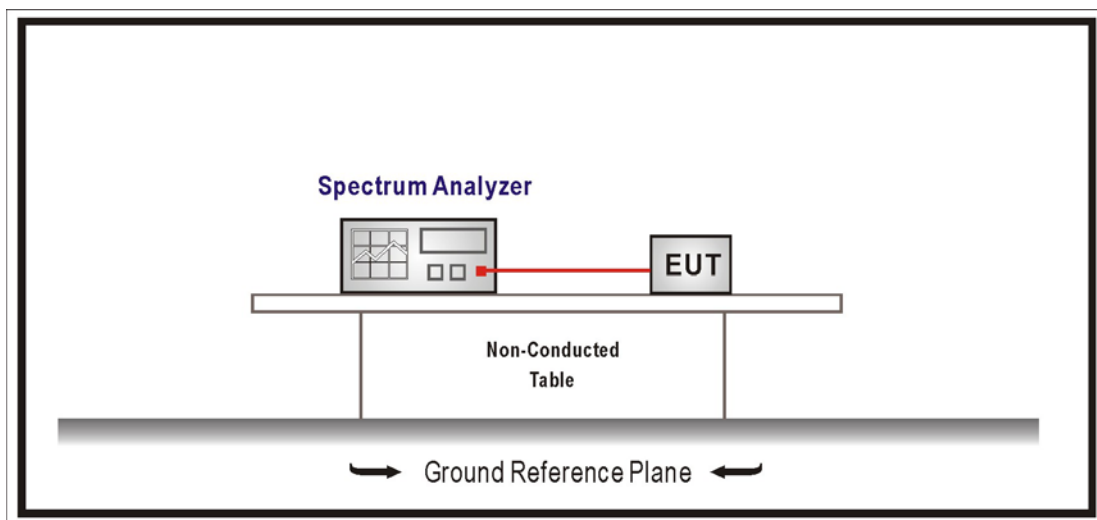
The following test equipment is used during the test:

Dwell Time / No.7 Shielding Room

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

10.2. Test Setup



10.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. For frequency hopping systems operating in the 2400-2483.5 MHz bands. 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. For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

10.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2009 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = zero span, centered on a hopping channel

RBW = 1 MHz, VBW \geq RBW

Sweep = as necessary to capture the entire dwell time per hopping channel

Detector function = peak, Trace = max hold

10.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

10.6. Test Result

Product	BT 2.1 + EDR HEADSET WITH VIDEO CAMERA		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit		
Date of Test	2011/04/29	Test Site	No.7 Shielding Room

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: $0.4 \times 79 = 31.6\text{sec}$, Hopping Times Within 1sec: $5/20\text{msec} = 250 / \text{sec}$

The Maximum Occupancy Time Within 3.12sec: $0.00312 \times (250/79) \times 31.6 = 0.312\text{sec}$ °

B) 2441MHz Test Time Period: $0.4 \times 79 = 31.6\text{sec}$, Hopping Times Within 1sec: $5/20\text{msec} = 250 / \text{sec}$

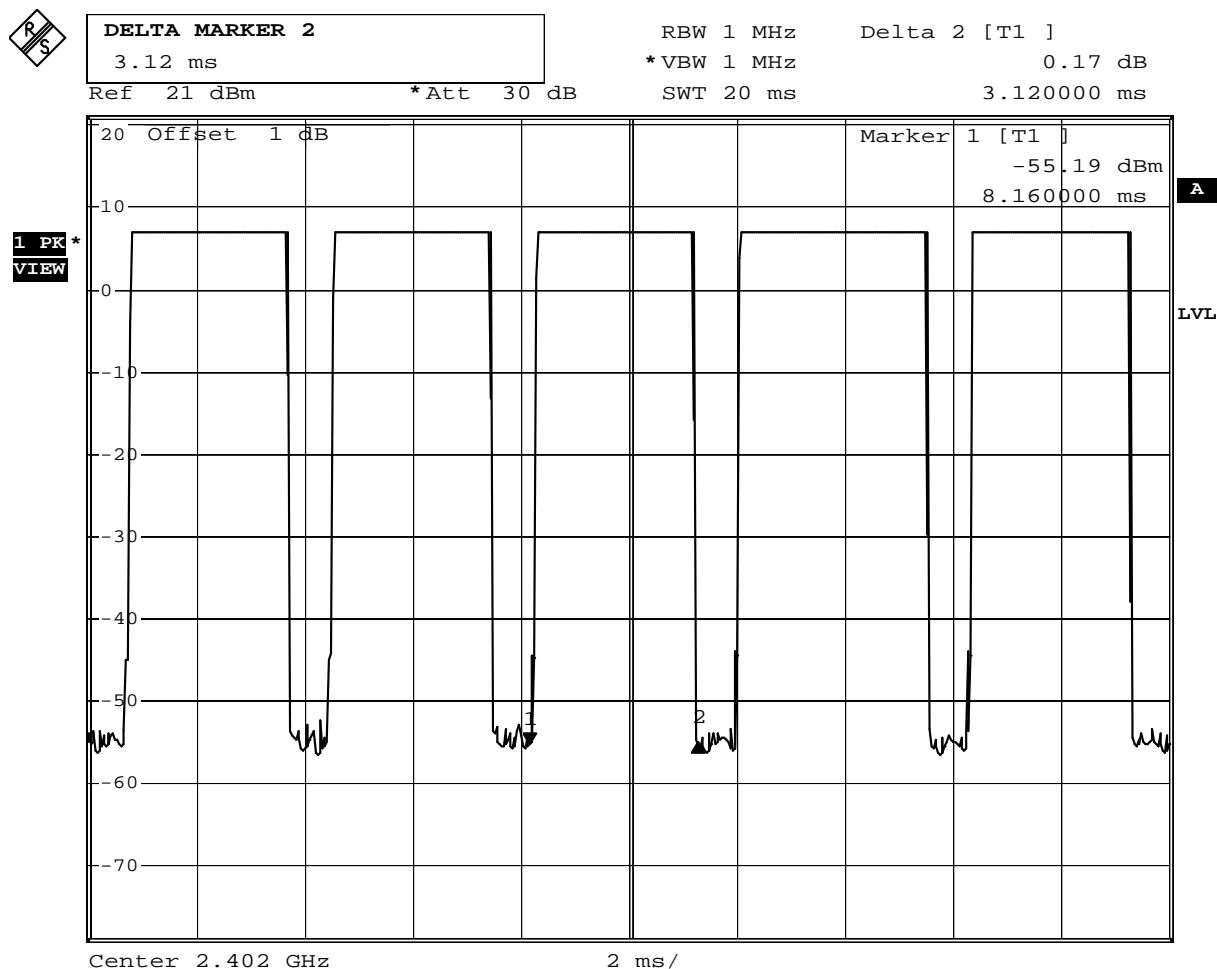
The Maximum Occupancy Time Within 3.16sec: $0.00316 \times (250/79) \times 31.6 = 0.316\text{sec}$ °

C) 2480MHz Test Time Period: $0.4 \times 79 = 31.6\text{sec}$, Hopping Times Within 1sec: $5/20\text{msec} = 250 / \text{sec}$

The Maximum Occupancy Time Within 3.12sec: $0.00312 \times (250/79) \times 31.6 = 0.312\text{sec}$ °

Test Result: The Average Occupancy Time of Each Highest , Middle and Lowest Channel Is Less Than 0.4sec , And Corresponds to The Standard °

Hop rate-2402MHz



Date: 29.APR.2011 16:15:16

Hop rate-2441MHz



DELTA MARKER 2

3.16 ms

RBW 1 MHz

Delta 2 [T1]

*VBW 1 MHz

0.04 dB

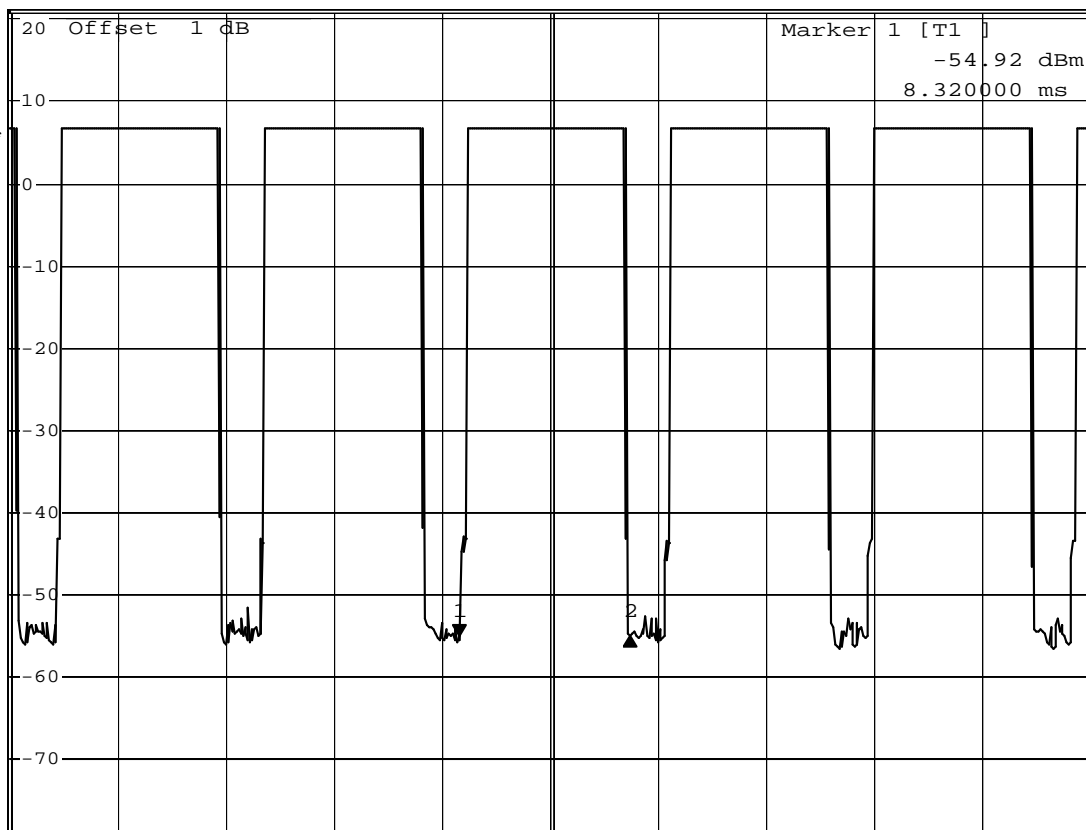
Ref 21 dBm

*Att 30 dB

SWT 20 ms

3.160000 ms

1 PK*
VIEW



Center 2.441 GHz

2 ms/

Date: 29.APR.2011 16:21:59

Hop rate-2480MHz



DELTA MARKER 2

3.12 ms

RBW 1 MHz

Delta 2 [T1]

*VBW 1 MHz

0.57 dB

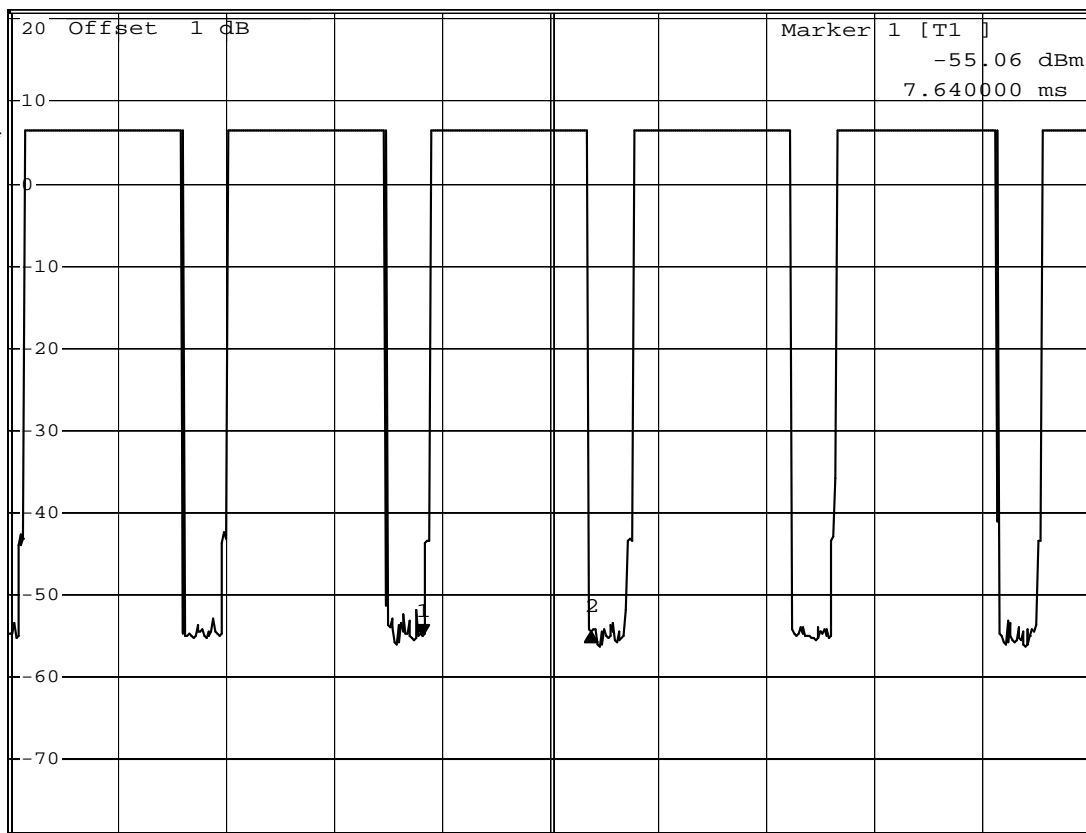
Ref 21 dBm

*Att 30 dB

SWT 20 ms

3.120000 ms

1 PK*
VIEW



A

LVL

Center 2.48 GHz

2 ms/

Date: 29.APR.2011 16:22:48

Note: Dwell time=time slot length * hop rate / number of hopping channels * period