



# FCC TEST REPORT

According to

## FCC CFR Title 47 Part 15 Subpart C

Applicant	: FOXCONN INTERNATIONAL INC
Address	: 2 TZU YU ST TU-CHENG, TAIPEI HSIEN 236 TAIWAN
Manufacturer	: HONGFUTAI PRECISION ELECTRONICS(YANTAI) CO., LTD
Address	: 8 Jiaxing Rd, HONGFUTAI IND DIST Yantai Economic & Technological Development Area ,264000 Shandong China
Equipment	: QBOX-N270
Model No.	: QBOX-N270
FCC ID	: WXC-QBOX270WBG
Trade Mark	: Foxconn

- The test result refers exclusively to the test presented test model / sample.
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Authorized under **Declaration of Conformity**

according to

## FCC CFR Title 47 Part 15 Subpart C

Applicant : FOXCONN INTERNATIONAL INC  
Address : 2 TZU YU ST TU-CHENG, TAIPEI HSIEN 236  
TAIWAN  
Equipment : QBOX-N270  
Model No. : QBOX-N270

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 – 2003** and the energy emitted by this equipment was **passed CISPR PUB. 22 and FCC Part 15** in both radiated and conducted emission class B limits. Testing was carried out on Mar. 26, 2009 at **CerpPASS Technology Corp.**

Documented By:

Approved By:

Released By:

\_\_\_\_\_  
Cathy Chen/ Administration

\_\_\_\_\_  
John Wang/ Technical director

\_\_\_\_\_  
Alex Chiu/ Supervisor



### 1. Report of Measurements and Examinations

FCC CFR Title 47 Part 15 Subpart C: 2007			
ANSI C63.4: 2003			
Clause	Test Parameter	Test Performed	Remark
15.207	Conducted Emission	Yes	Pass
15.209	Radiated Emission	Yes	Pass
15.247(a)	Occupied Bandwidth	Yes	Pass
15.247(a)	Channel Number	Yes	Pass
15.247(a)	Channel Separation	Yes	Pass
15.247(a)	Dwell Time	Yes	Pass
15.247(b)	Maximum Peak Output Power	Yes	Pass
15.247(d)	Band Edges	Yes	Pass



## 2. Test Configuration of Equipment under Test

### 2.1. Feature of Equipment under Test

QBOX-N270	Model No:	QBOX-N270
	Trade Mark:	Foxconn
AC Adapter	Manufacturer: LITEON	
	Model No. PA-1300-04	
	Input: 100-240V AC 50-60Hz 1.0A	
	Output: 19VDC 1.58A	

Component/ Keypart list	
Bluetooth	BRCM 2046
Frequency Range	2402-2480 MHz
Modulation Type	FHSS
Number of Channels	79
Data Rate	723 kbps, 2.2 Mbps (EDR)
Antenna Type	PIFA
Antenna Gain	3.5 dBi



Keypart list				
No.	Item	Manufactory	Model	Description
1	Motherboard	Foxconn	QBOX-N270-C	QBOX-N270-C-1H60WBO,Intel,ICH7M+945GSE
2	CPU	Intel	Intel Diamondville-sc Processor, FSB533,1.60GHZ	IC,INTEL,AU80586GE025D,C-0,SLB73,G,FC BGA-437,SMD
3	HDD	FUJITSU	MHZ2160BH	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G,MHZ2160BH
		WD	WD1600BEVT-22ZCT0	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G,WD1600BEVT
		HITACHI	HTS545016B9A300	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G, HTS545016B9A300
4	Wireless Card	Realtek	RTL8187SE	IEEE802.11bg, Realtek RTL8187SE
5	Bluetooth	FOXCONN	U40Z014.01	Broadcom BCM2046,G,U40Z014.01
6	Adapter	LITEON	PA-1300-04	input 100V~240V,output 19V,30W,Non PFC,G
7	MEMORY	SIS	WSZ2128M8-J6E	SODIMM,DDR2 667 2GB
			WSY2128M8-J6E	SODIMM,DDR2 667 1GB
		Unigen	UG25T6400M8SU-6AH	SODIMM,DDR2 667 2GB
			UG12T6400M8SU-6AS	SODIMM,DDR2 667 1GB
8	Modem	FOXCONN	Modem Card,MDC1.5,	Conexant CX11270+CX20548,USA,G





## 2.2. Carrier Frequency of Channels

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



### 2.3. Test Manner

Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 7 CFR, Part 2, Part 15 and CISPR PUB. 22
b	Setup the EUT and simulators.
c	Setup the test channel and the test mode press ok to start the Continue Transmit.
The test modes	
	Test Mode 1: Transmit by buletooth DH5
	Test Mode 2: Transmit by buletooth 3DH5
	Test Mode 3: Receive by buletooth DH5
	Test Mode 4: Receive by buletooth 3DH5

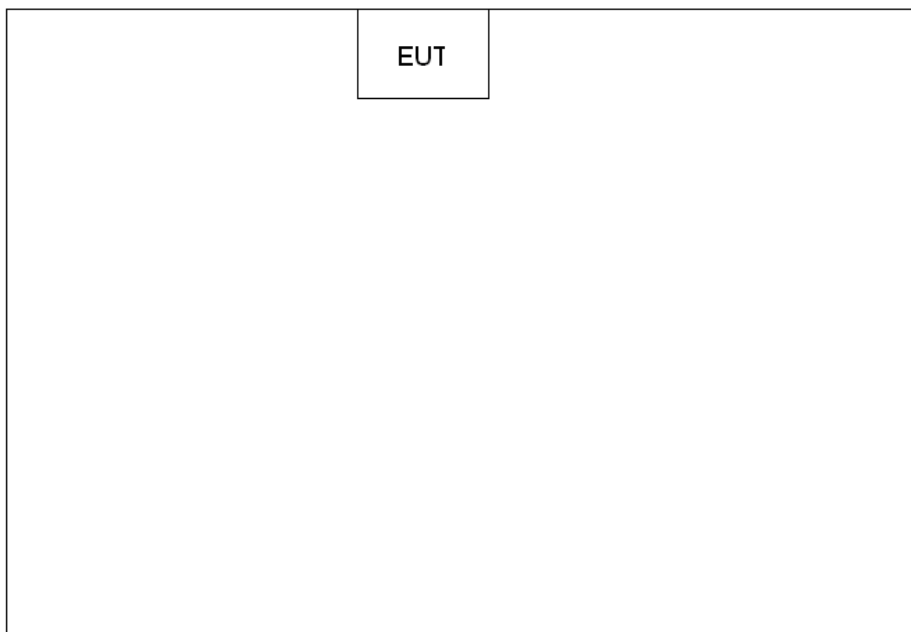


### 2.4. Description of Test System

EMI

Device	Manufacturer	Model No.	Description
N/A	N/A	N/A	N/A

### 2.5. Connection Diagram of Test System



EMI use cable		
Cable	Quantity	Description
N/A	N/A	N/A

**2.6. General Information of Test**

Test Site :	Cerpass Technology Corp.	
Performed Location	No.66, Tangzhuang Road, Suzhou Industrial Park, Jiangsu, China	
NVLAP LAB Code :	200814-0	
FCC Registration Number :	632249 (Taipei)	916572 (SuZhou)
IC Registration Number :	6597A-1 (Taipei)	7290A-1 (SuZhou)
VCCI Registration Number :	T-338 for Telecommunication Test (Taipei) C-2188 for Conducted emission test (Taipei) R-1902 for Radiated emission test (Taipei)	
	T-343 for Telecommunication Test (Suzhou) C-2919 for Conducted emission test (Suzhou) R-2670 for Radiated emission test (Suzhou)	
Test Voltage:	AC 120V/ 60Hz	
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart B	
Frequency Range Investigated :	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 1,000 MHz	
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.	

Laboratory accreditation





### 2.7. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	±2.71 dB
Radiated Emission	30 MHz ~ 25GHz	Vertical	±4.11 dB
		Horizontal	±4.10 dB
Occupied Bandwidth	---	---	± 100 Hz
Channel Number	---	---	±7500 Hz
Channel Separation	---	---	±1.4 dB
Dwell Time	---	---	±2.2 dB
Maximum Peak Output Power	---	---	±2.2 dB
Band Edges	For RF Conducted Measurement		± 1.27 dB
	For RF Radiated Measurement	Under 1G	± 3.8 dB
		Above 1G	± 3.9 dB



### 3. Test of Conducted Emission

#### 3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB $\mu$ V)	Average (dB $\mu$ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

\*Decreases with the logarithm of the frequency.

#### 3.2. Test Procedures

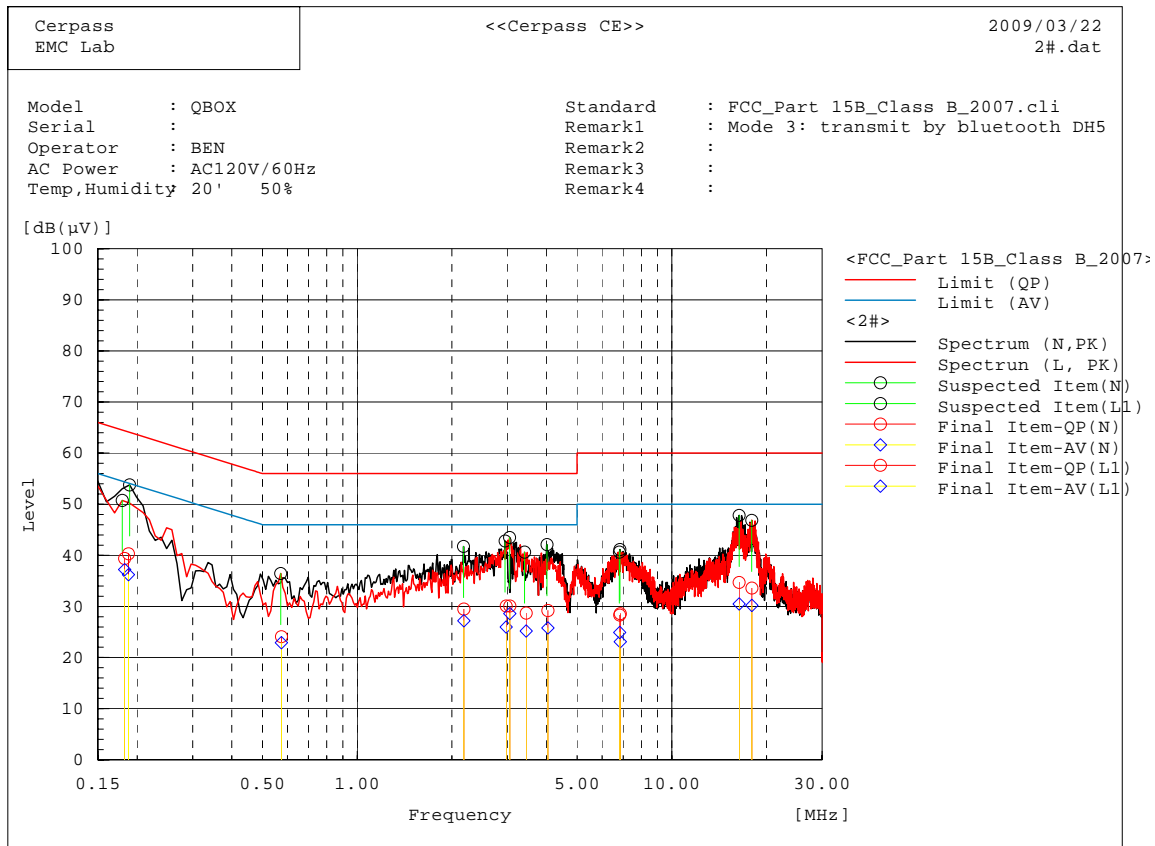
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry 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.





### 3.5. Test Result and Data

Power : AC120V/60Hz  
Test Mode : Mode 1: transmit by bluetooth DH5 (2441M)  
Memo : QBOX-N270  
Pol/Phase : L & N  
Temperature : 20 °C  
Humidity : 50 %



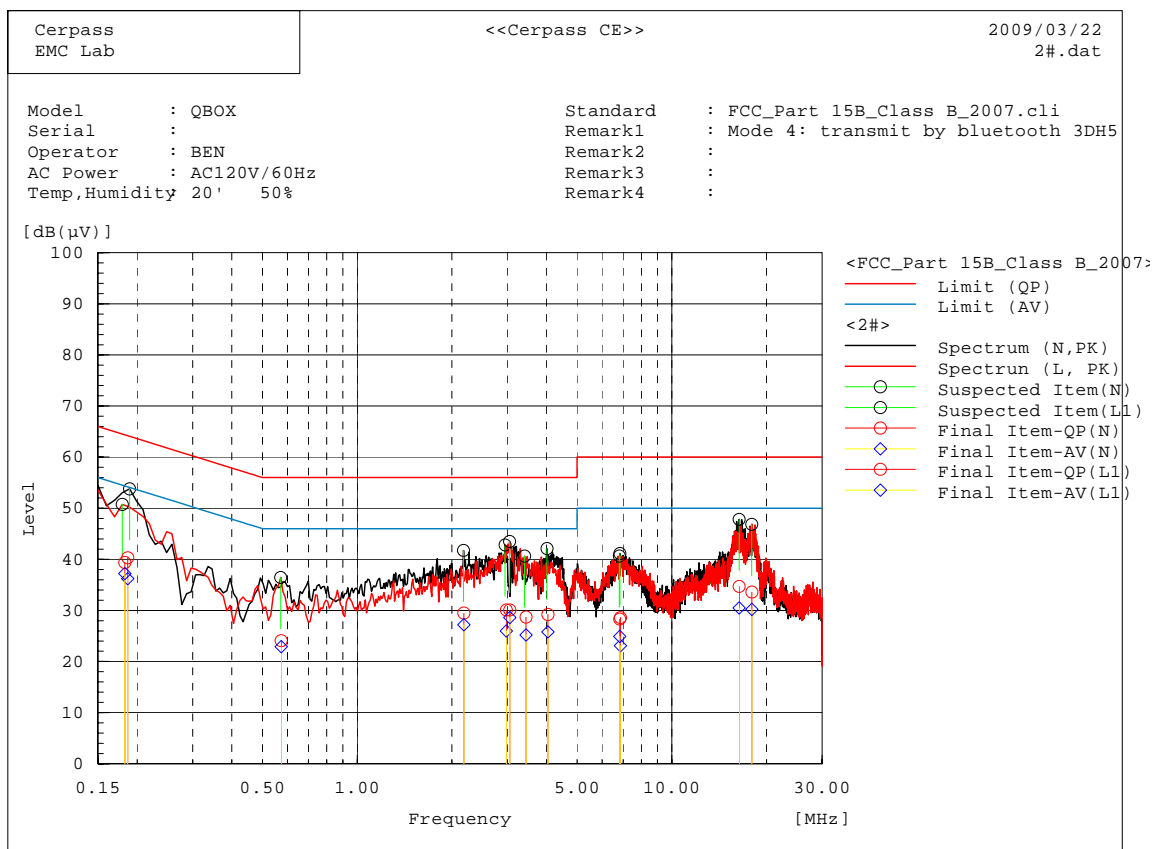




Frequency MHz	Line Phase	Reading dB(uV)		Factor dB	Level dB(uV)		Limit dB(uV)		Margin dB		Pass/Fail
		QP	AV		QP	AV	QP	AV	QP	AV	
0.18756	N	40.3	36.2	0.0	40.3	36.2	64.1	54.1	23.8	17.9	Pass
2.18415	N	29.5	27.2	0.0	29.5	27.2	56.0	46.0	26.5	18.8	Pass
2.9758	N	30.1	26.0	0.0	30.1	26.0	56.0	46.0	25.9	20.0	Pass
4.03581	N	29.2	25.8	0.0	29.2	25.8	56.0	46.0	26.8	20.2	Pass
6.8547	N	28.6	23.1	0.0	28.6	23.1	60.0	50.0	31.4	26.9	Pass
16.35021	N	34.6	30.4	0.1	34.7	30.5	60.0	50.0	25.3	19.5	Pass
0.18254	L1	39.4	37.2	0.0	39.4	37.2	64.4	54.4	25.0	17.2	Pass
0.57458	L1	24.1	22.9	0.0	24.1	22.9	56.0	46.0	31.9	23.1	Pass
3.05354	L1	30.1	28.6	0.0	30.1	28.6	56.0	46.0	25.9	17.4	Pass
6.8245	L1	28.3	24.9	0.0	28.3	24.9	60.0	50.0	31.7	25.1	Pass
3.4423	L1	28.7	25.2	0.0	28.7	25.2	56.0	46.0	27.3	20.8	Pass
17.9587	L1	33.5	30.1	0.1	33.6	30.2	60.0	50.0	26.4	19.8	Pass



Power : AC120V/60Hz  
Test Mode : Mode 2: transmit by bluetooth 3DH5 (2441M)  
Memo : QBOX-N270  
Pol/Phase : L & N  
Temperature : 20 °C  
Humidity : 50 %





Frequency MHz	Line Phase	Reading	Reading	Factor dB	Level	Level	Limit	Limit	Margin	Margin	Pass/Fail
		dB(uV) QP	dB(uV) AV		dB(uV) QP	dB(uV) AV	dB(uV) QP	dB(uV) AV	dB QP	dB AV	
0.18658	N	40.3	36.2	0.0	40.3	36.2	64.2	54.2	23.9	18.0	Pass
2.18364	N	29.5	27.2	0.0	29.5	27.2	56.0	46.0	26.5	18.8	Pass
2.9802	N	30.1	26.0	0.0	30.1	26.0	56.0	46.0	25.9	20.0	Pass
4.03687	N	29.2	25.8	0.0	29.2	25.8	56.0	46.0	26.8	20.2	Pass
6.8657	N	28.6	23.1	0.0	28.6	23.1	60.0	50.0	31.4	26.9	Pass
16.35127	N	34.6	30.4	0.1	34.7	30.5	60.0	50.0	25.3	19.5	Pass
0.18267	L1	39.4	37.2	0.0	39.4	37.2	64.4	54.4	25.0	17.2	Pass
0.57364	L1	24.1	22.9	0.0	24.1	22.9	56.0	46.0	31.9	23.1	Pass
3.05402	L1	30.1	28.6	0.0	30.1	28.6	56.0	46.0	25.9	17.4	Pass
6.8308	L1	28.3	24.9	0.0	28.3	24.9	60.0	50.0	31.7	25.1	Pass
3.4378	L1	28.7	25.2	0.0	28.7	25.2	56.0	46.0	27.3	20.8	Pass
17.9602	L1	33.5	30.1	0.1	33.6	30.2	60.0	50.0	26.4	19.8	Pass



## 4. Test of Radiated Emission

### 4.1. Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions for unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated ( $\mu$ V / M)	Radiated (dB $\mu$ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

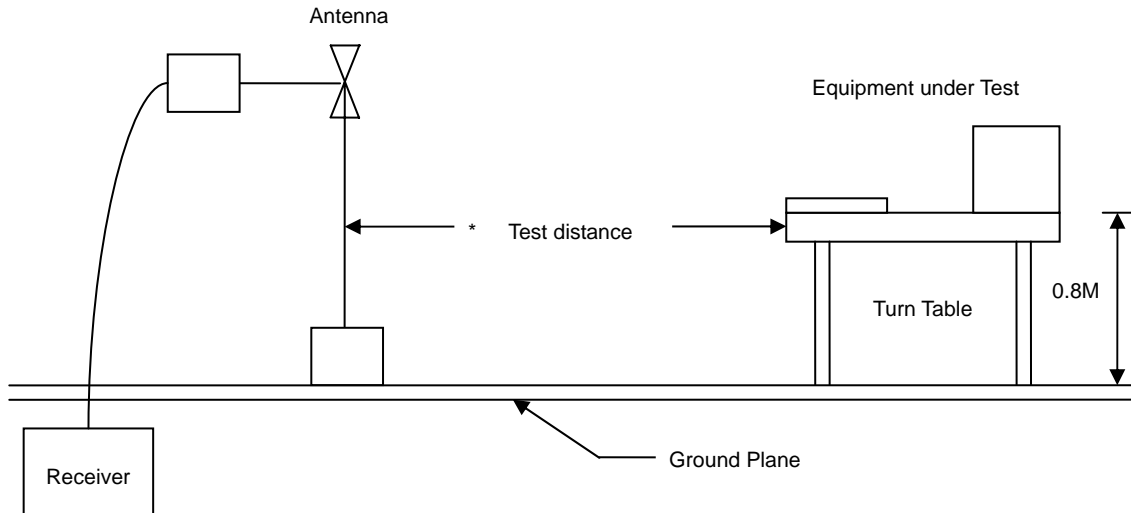
Frequency (MHz)	Distance Meters	Radiated (dB $\mu$ V/ M)
30-230	10	30
230-1000	10	37

### 4.2. Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- 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 both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- 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 turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- 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 which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- 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 peak 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.



### 4.3. Typical Test Setup



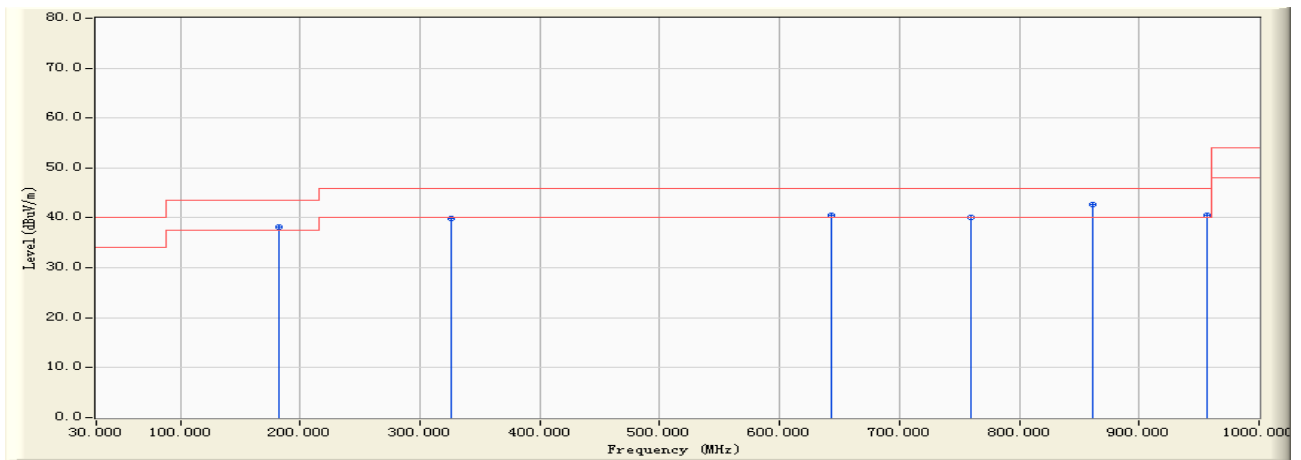
### 4.4. Measurement Equipment

Instrument	Model No.	Manufacturer	Serial No.	Calibration Date
Test Receiver	R&S	ESCI	100563	2008.06.30
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Preamplifier	Agilent	87405B	My39500553	2008.08.02
Preamplifier	R&S	PR-AMP26	1248791	2008.07.01
Ultra Broadband Antenna	R&S	HL562	100363	2008.07.01
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



### 4.5. Test Result and Data

Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2402M)



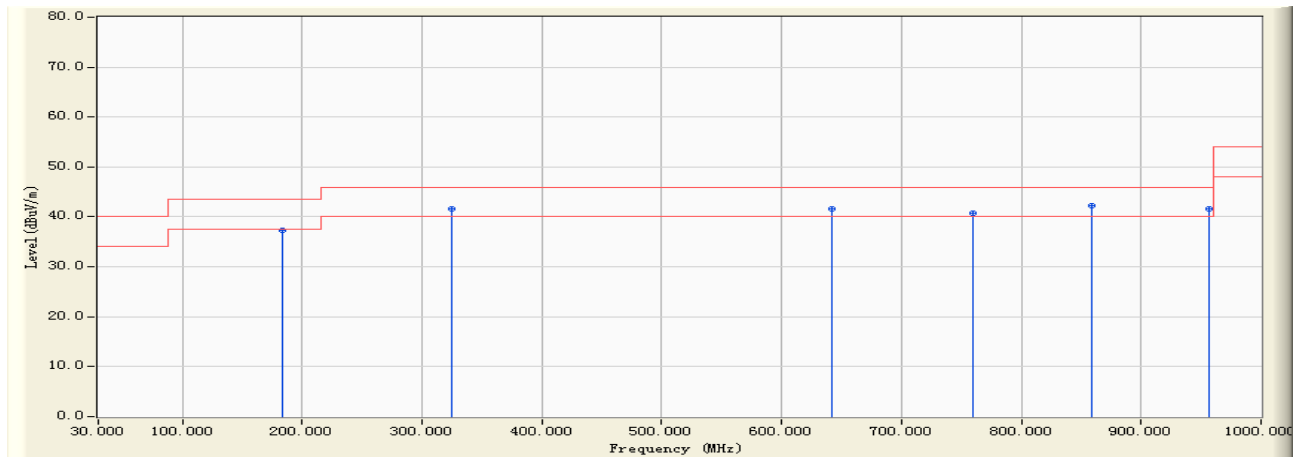
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		182.350	-14.824	52.900	38.075	-5.425	43.500	QUASIPeAK
2		325.620	-10.053	49.900	39.848	-6.152	46.000	QUASIPeAK
3		643.250	-1.701	42.300	40.599	-5.401	46.000	QUASIPeAK
4		759.320	0.670	39.400	40.070	-5.930	46.000	QUASIPeAK
5	*	861.320	2.375	40.400	42.776	-3.224	46.000	QUASIPeAK
6		956.320	3.625	36.900	40.525	-5.475	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2402M)



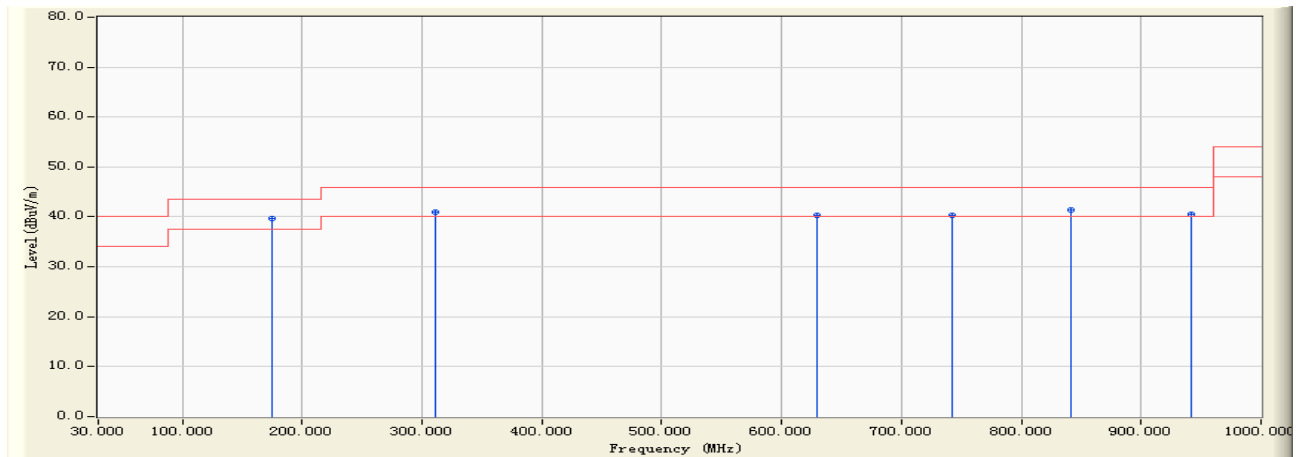
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		183.250	-14.882	52.220	37.338	-6.162	43.500	QUASIPeAK
2		325.210	-10.048	51.600	41.552	-4.448	46.000	QUASIPeAK
3		642.350	-1.705	43.400	41.695	-4.305	46.000	QUASIPeAK
4		759.320	0.670	40.000	40.670	-5.330	46.000	QUASIPeAK
5	*	859.320	2.348	39.900	42.249	-3.751	46.000	QUASIPeAK
6		956.320	3.625	37.900	41.525	-4.475	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2441M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	175.260	-14.836	54.600	39.764	-3.736	43.500	QUASIPeAK
2		311.250	-10.582	51.500	40.917	-5.083	46.000	QUASIPeAK
3		630.210	-1.987	42.400	40.413	-5.587	46.000	QUASIPeAK
4		742.350	0.374	39.900	40.274	-5.726	46.000	QUASIPeAK
5		841.360	1.912	39.400	41.312	-4.688	46.000	QUASIPeAK
6		942.300	3.533	36.900	40.433	-5.567	46.000	QUASIPeAK

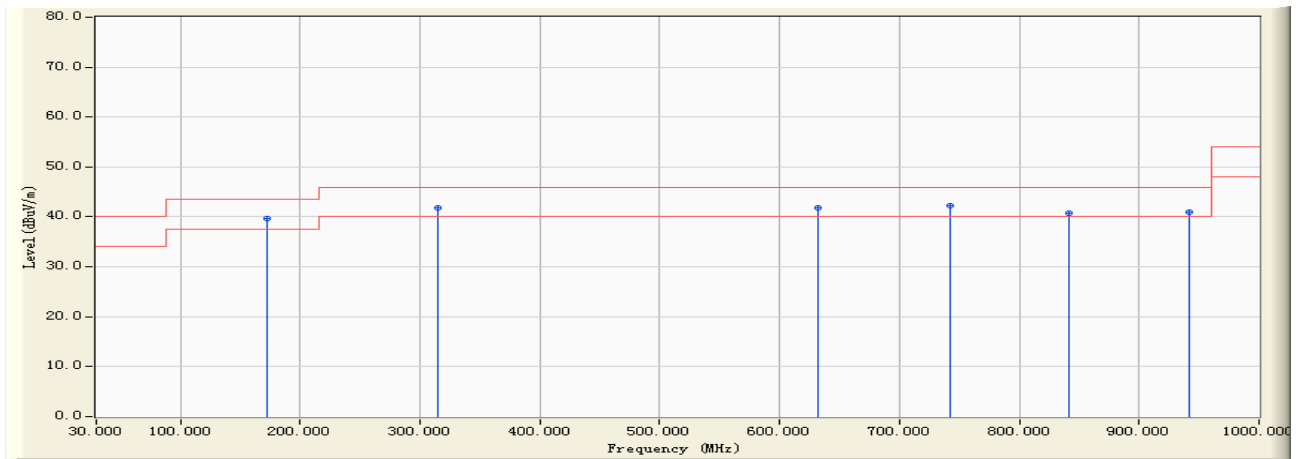
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor





Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2441M)



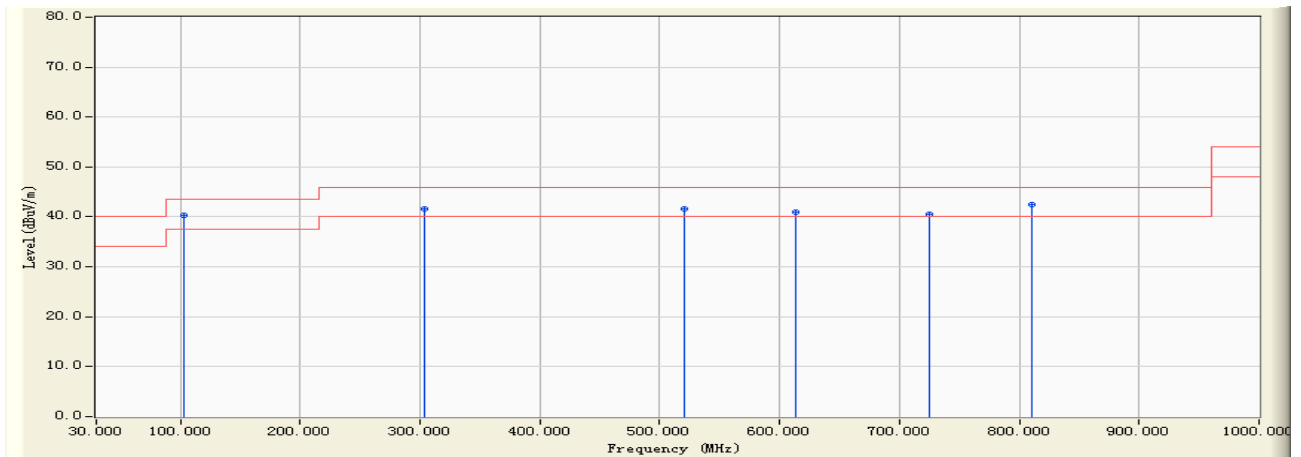
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		172.250	-15.027	54.600	39.574	-3.926	43.500	QUASIPeAK
2		315.240	-10.374	52.100	41.726	-4.274	46.000	QUASIPeAK
3		632.500	-1.917	43.800	41.883	-4.117	46.000	QUASIPeAK
4	*	742.360	0.374	41.900	42.274	-3.726	46.000	QUASIPeAK
5		841.320	1.913	38.900	40.813	-5.187	46.000	QUASIPeAK
6		942.360	3.532	37.400	40.932	-5.068	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2480M)



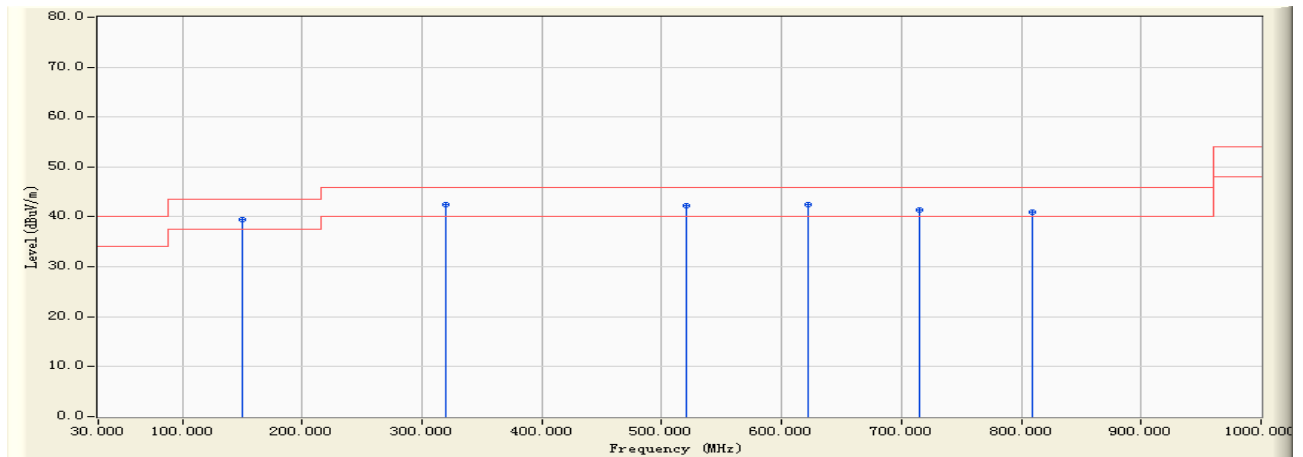
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	103.100	-14.329	54.610	40.281	-3.219	43.500	QUASPEAK
2		304.120	-10.777	52.400	41.623	-4.377	46.000	QUASPEAK
3		520.410	-4.391	46.100	41.709	-4.291	46.000	QUASPEAK
4		613.500	-2.397	43.320	40.923	-5.077	46.000	QUASPEAK
5		725.110	0.038	40.420	40.457	-5.543	46.000	QUASPEAK
6		810.410	1.355	41.130	42.485	-3.515	46.000	QUASPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2480M)



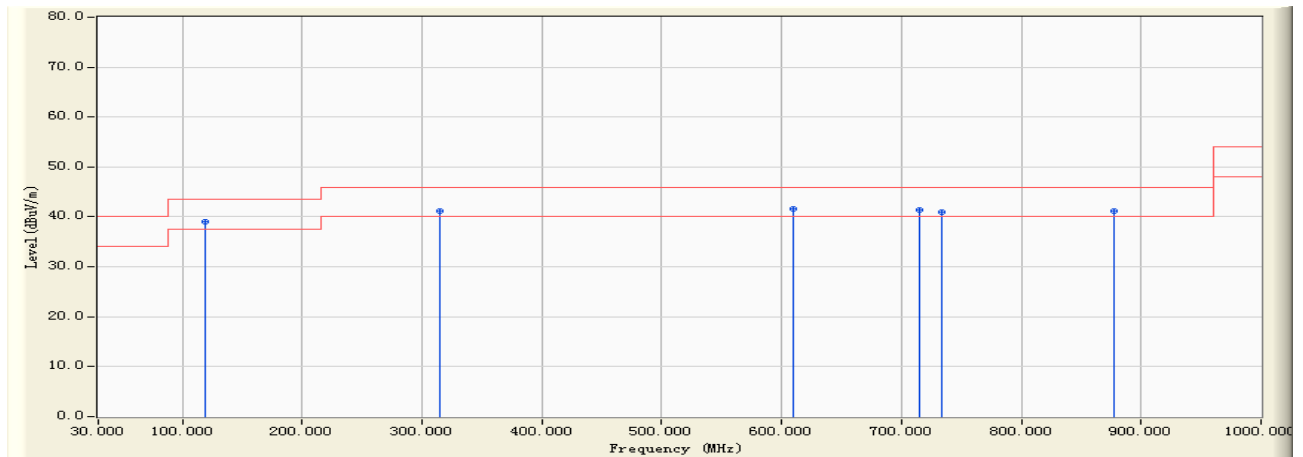
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		150.780	-15.388	54.800	39.412	-4.088	43.500	QUASIPeAK
2		319.410	-10.149	52.620	42.471	-3.529	46.000	QUASIPeAK
3		520.140	-4.392	46.680	42.288	-3.712	46.000	QUASIPeAK
4	*	621.640	-2.159	44.730	42.571	-3.429	46.000	QUASIPeAK
5		715.550	-0.335	41.740	41.405	-4.595	46.000	QUASIPeAK
6		809.340	1.300	39.760	41.060	-4.940	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:48
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2402M)



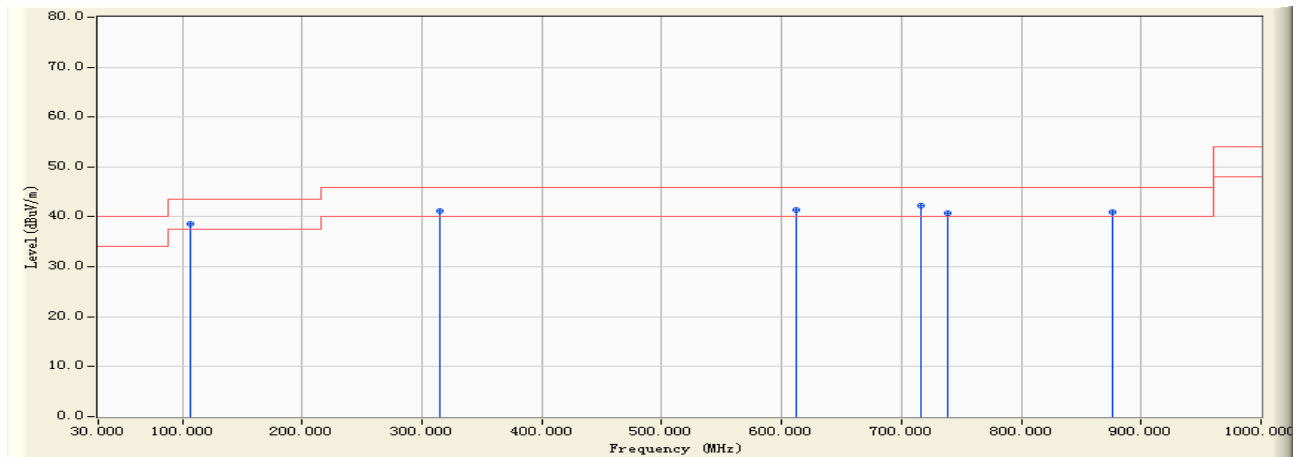
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		119.440	-13.561	52.570	39.009	-4.491	43.500	QUASIPeAK
2		314.560	-10.423	51.640	41.217	-4.783	46.000	QUASIPeAK
3	*	609.410	-2.350	43.920	41.569	-4.431	46.000	QUASIPeAK
4		715.460	-0.335	41.640	41.305	-4.695	46.000	QUASIPeAK
5		734.010	0.012	40.920	40.932	-5.068	46.000	QUASIPeAK
6		876.940	2.480	38.710	41.189	-4.811	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:53
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2402M)



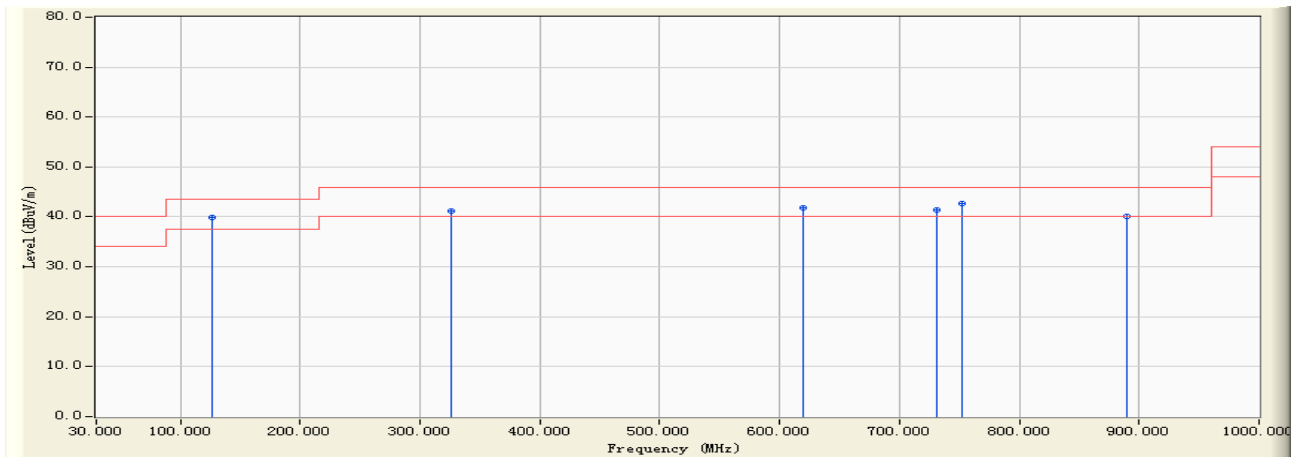
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.450	-14.225	52.920	38.695	-4.805	43.500	QUASIPeAK
2		315.450	-10.359	51.640	41.281	-4.719	46.000	QUASIPeAK
3		612.460	-2.391	43.750	41.359	-4.641	46.000	QUASIPeAK
4	*	716.450	-0.324	42.500	42.176	-3.824	46.000	QUASIPeAK
5		738.450	0.252	40.590	40.842	-5.158	46.000	QUASIPeAK
6		876.460	2.474	38.420	40.894	-5.106	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 - 09:58
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2441M)



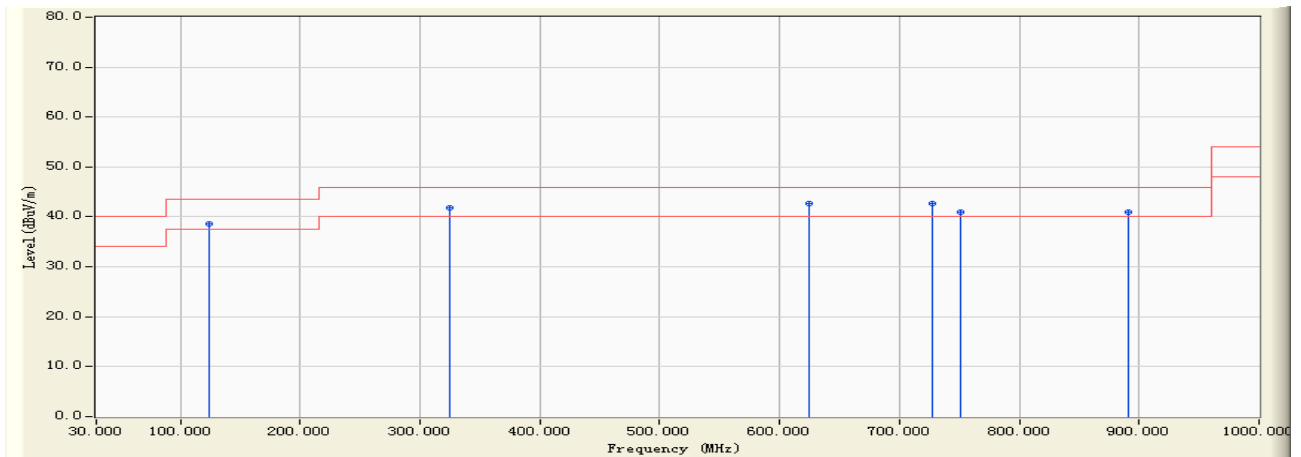
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		126.460	-13.923	53.860	39.938	-3.562	43.500	QUASIPeAK
2		326.490	-10.048	51.280	41.231	-4.769	46.000	QUASIPeAK
3		619.450	-2.241	44.020	41.779	-4.221	46.000	QUASIPeAK
4		731.460	-0.058	41.390	41.332	-4.668	46.000	QUASIPeAK
5	*	751.840	0.431	42.290	42.721	-3.279	46.000	QUASIPeAK
6		889.490	2.856	37.270	40.126	-5.874	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 – 10:03
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2441M)



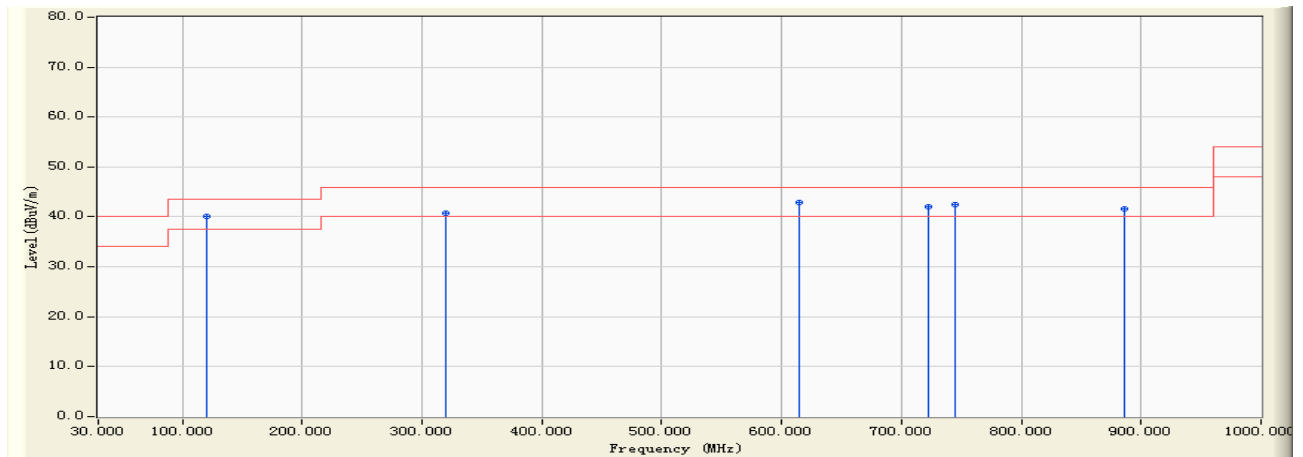
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		124.460	-13.729	52.380	38.651	-4.849	43.500	QUASIPeAK
2		325.160	-10.048	51.790	41.743	-4.257	46.000	QUASIPeAK
3		624.160	-2.107	44.690	42.583	-3.417	46.000	QUASIPeAK
4	*	728.040	-0.107	42.760	42.653	-3.347	46.000	QUASIPeAK
5		751.160	0.435	40.560	40.995	-5.005	46.000	QUASIPeAK
6		891.460	2.881	38.190	41.071	-4.929	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 – 10:09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2480M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		120.460	-13.590	53.750	40.159	-3.341	43.500	QUASIPeAK
2		320.490	-10.088	50.860	40.772	-5.228	46.000	QUASIPeAK
3	*	615.160	-2.356	45.190	42.834	-3.166	46.000	QUASIPeAK
4		723.060	0.039	42.060	42.099	-3.901	46.000	QUASIPeAK
5		745.160	0.319	42.110	42.429	-3.571	46.000	QUASIPeAK
6		886.190	2.768	38.790	41.558	-4.442	46.000	QUASIPeAK

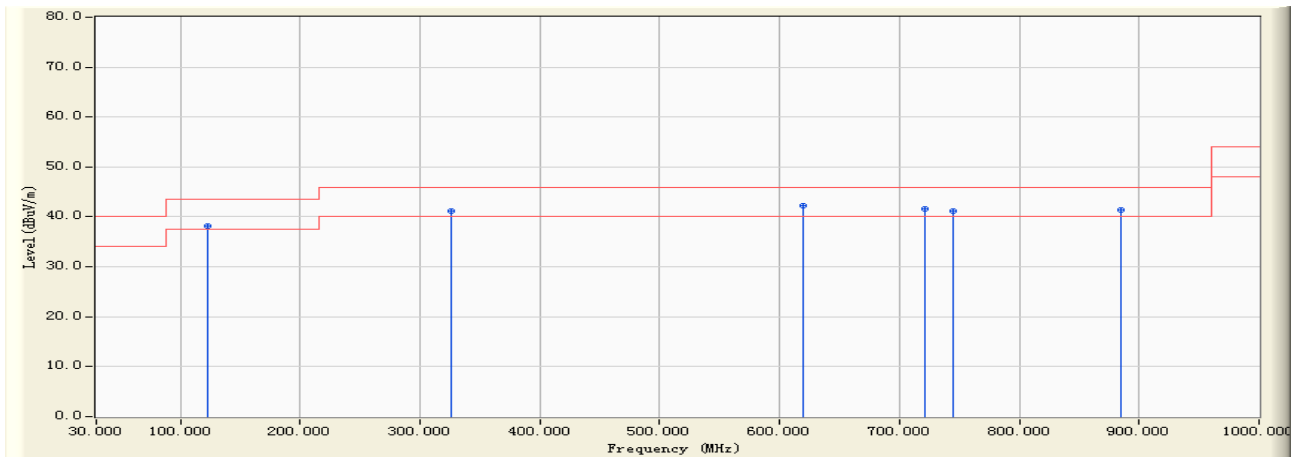
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor





Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/26 – 10:14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5 (2480M)



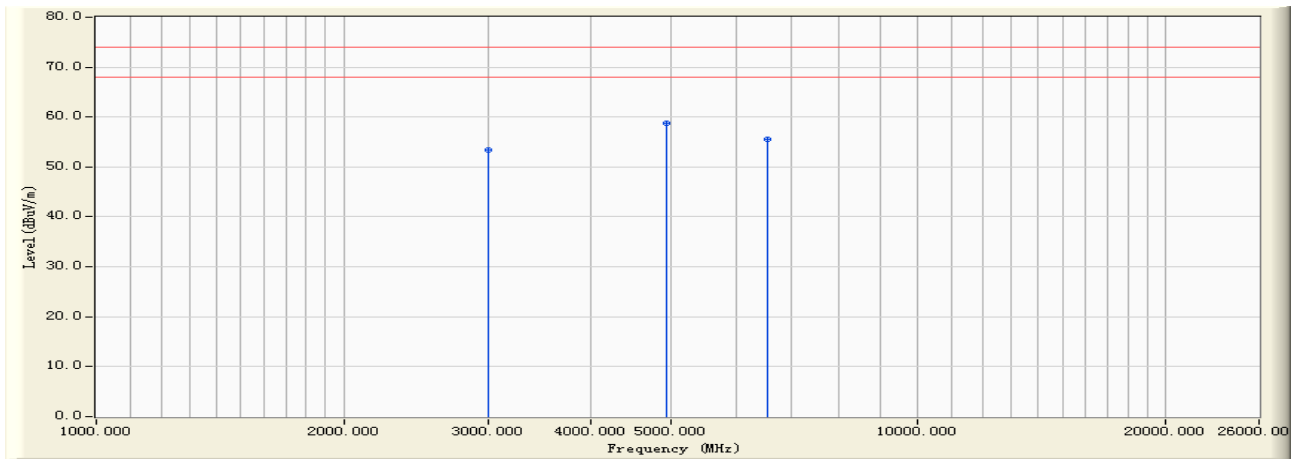
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		123.060	-13.667	51.790	38.123	-5.377	43.500	QUASIPeAK
2		326.190	-10.052	51.290	41.238	-4.762	46.000	QUASIPeAK
3	*	619.460	-2.241	44.560	42.319	-3.681	46.000	QUASIPeAK
4		721.460	-0.037	41.560	41.523	-4.477	46.000	QUASIPeAK
5		745.190	0.319	40.770	41.089	-4.911	46.000	QUASIPeAK
6		884.180	2.726	38.570	41.296	-4.704	46.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 - 20:59
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2402MHz)



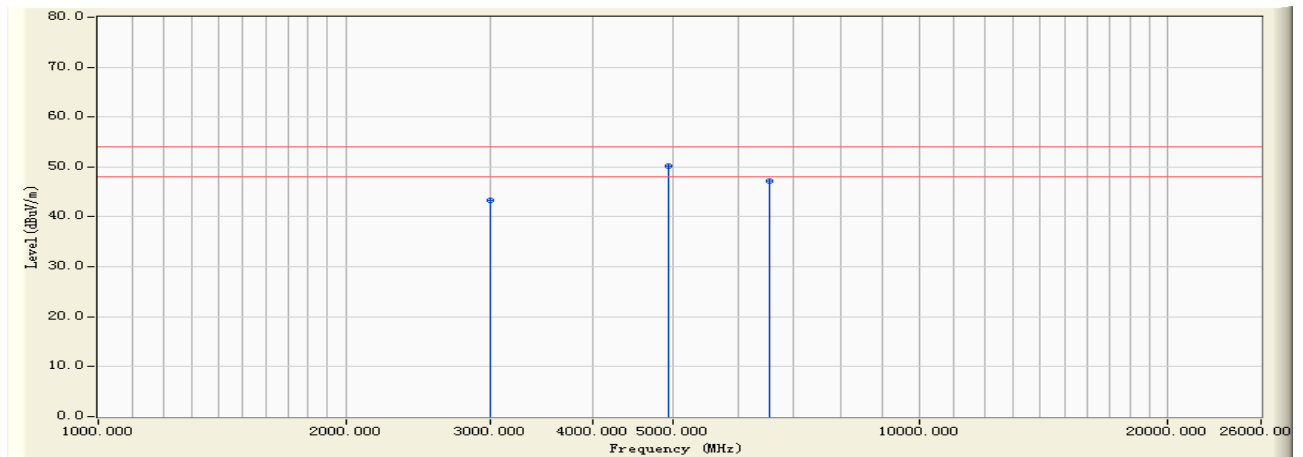
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.747	53.461	-20.509	73.970	PEAK
2	*	4950.000	6.442	52.366	58.808	-15.162	73.970	PEAK
3		6550.000	7.767	47.739	55.506	-18.464	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 - 20:59
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2402MHz)



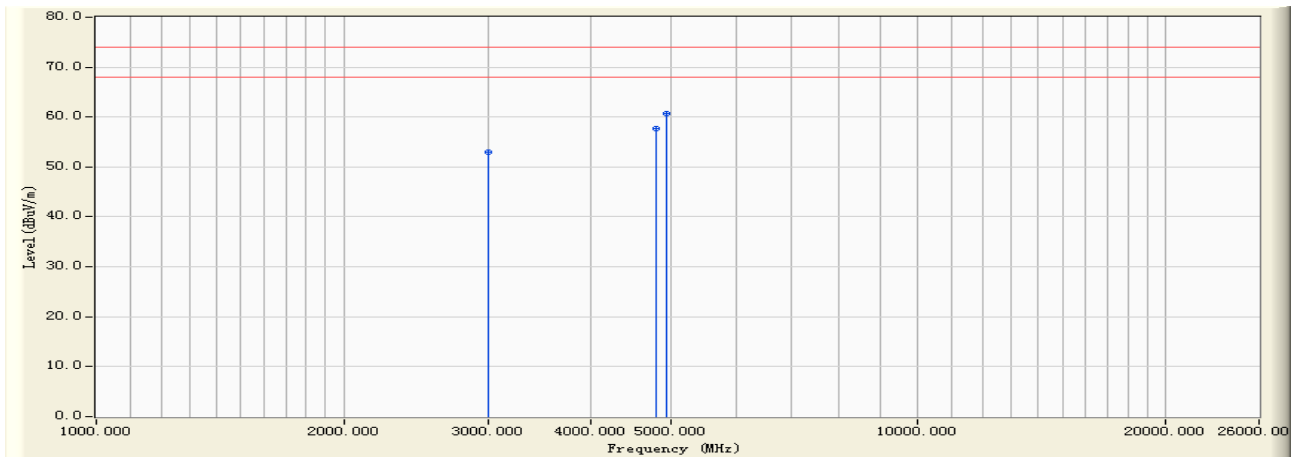
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4950.000	6.441	43.680	50.122	-3.848	53.970	AVERAGE
3		6550.000	7.767	39.320	47.087	-6.883	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2402MHz)



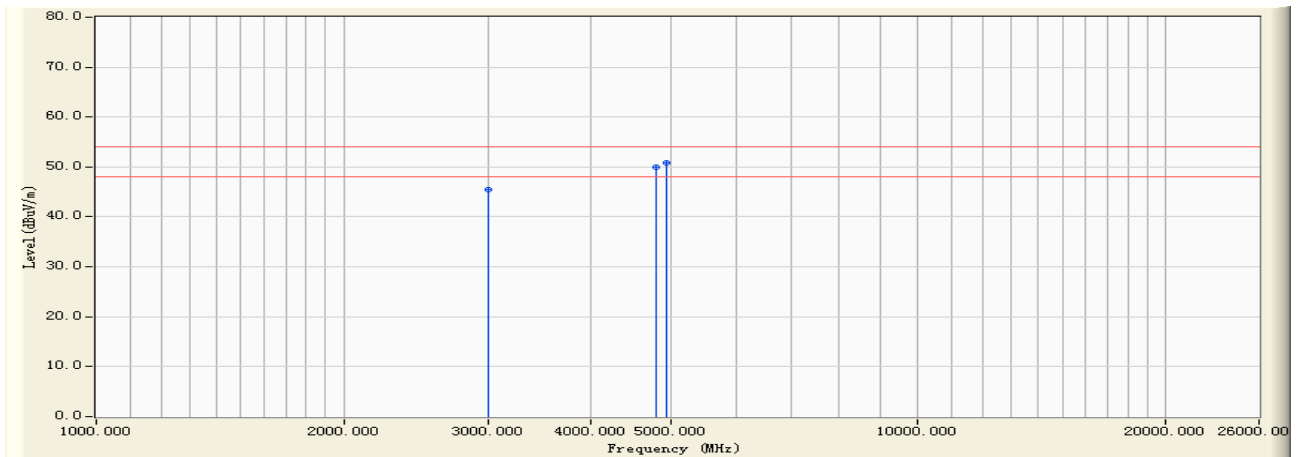
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2		4800.000	6.381	51.342	57.723	-16.247	73.970	PEAK
3	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 -21:01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2402MHz)



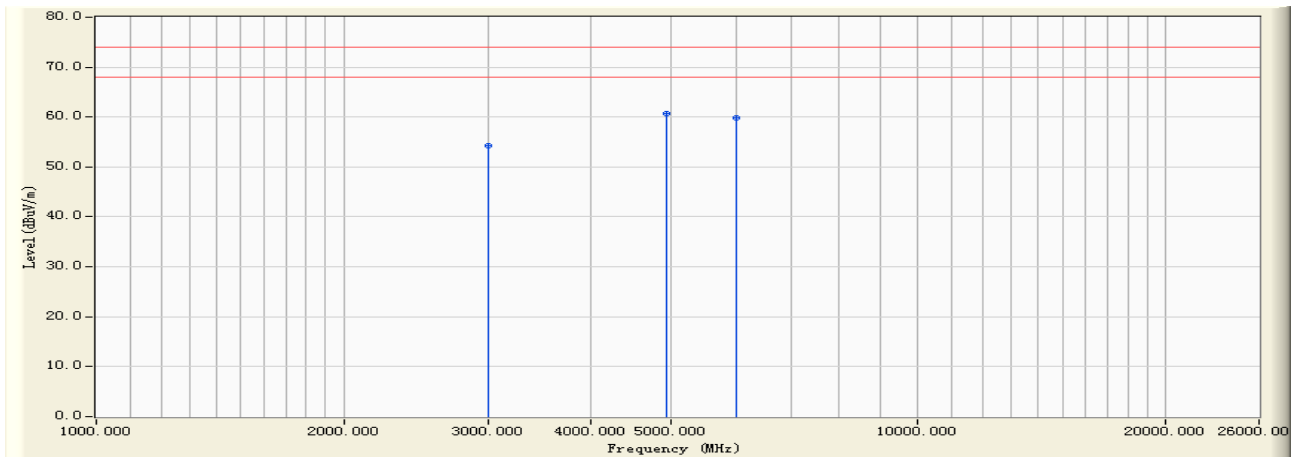
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	45.690	45.404	-8.566	53.970	AVERAGE
2		4800.000	6.382	43.680	50.062	-3.908	53.970	AVERAGE
3	*	4950.000	6.441	44.350	50.792	-3.178	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2441MHz)



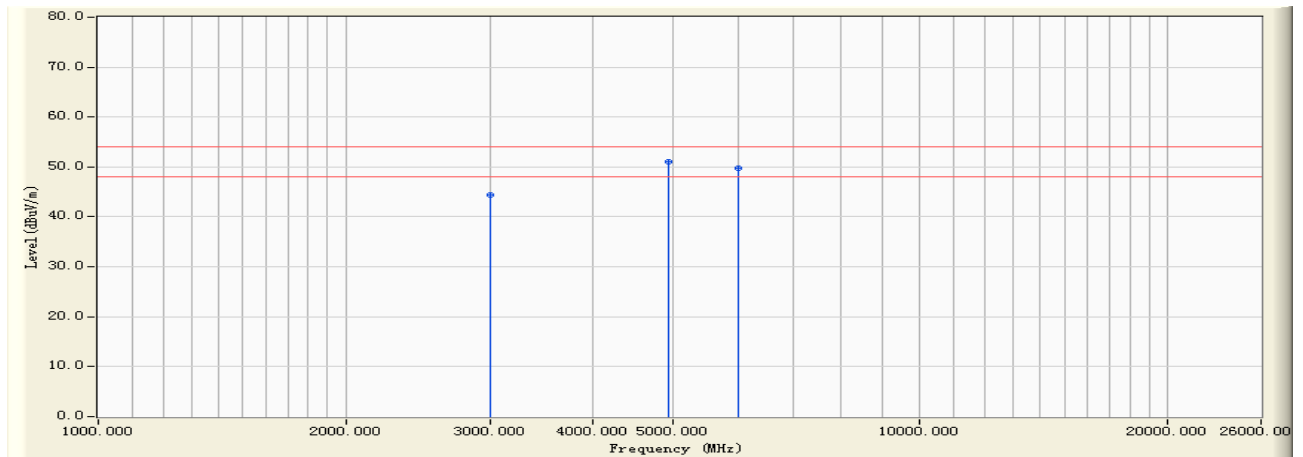
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.529	54.243	-19.727	73.970	PEAK
2	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK
3		6000.000	6.139	53.674	59.813	-14.157	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:03
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2441MHz)



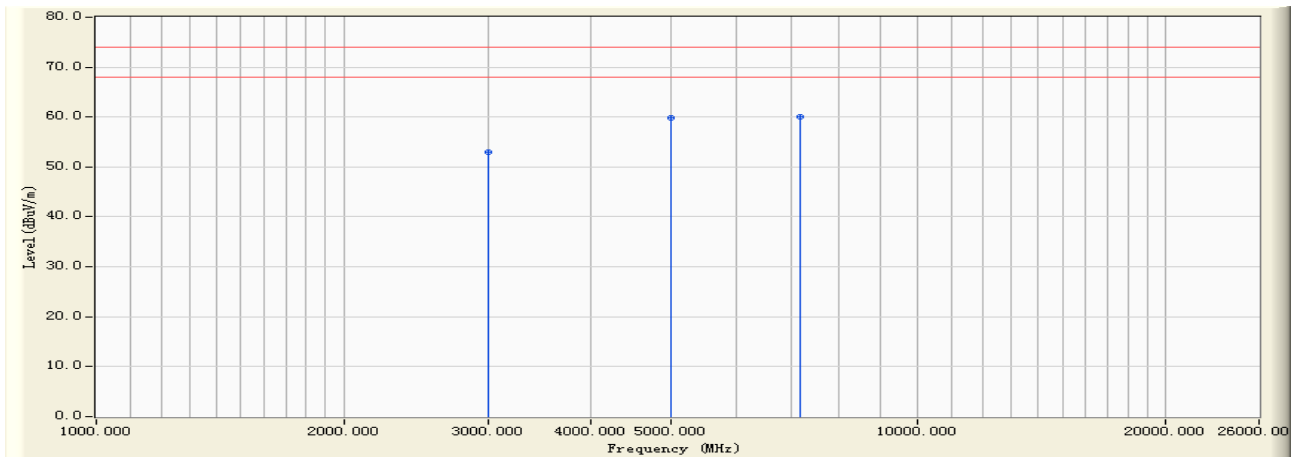
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	44.680	44.394	-9.576	53.970	AVERAGE
2	*	4950.000	6.441	44.580	51.022	-2.948	53.970	AVERAGE
3		6000.000	6.141	43.680	49.822	-4.148	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:05
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2441MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2		5000.000	6.462	53.379	59.840	-14.130	73.970	PEAK
3	*	7200.000	10.098	50.061	60.159	-13.811	73.970	PEAK

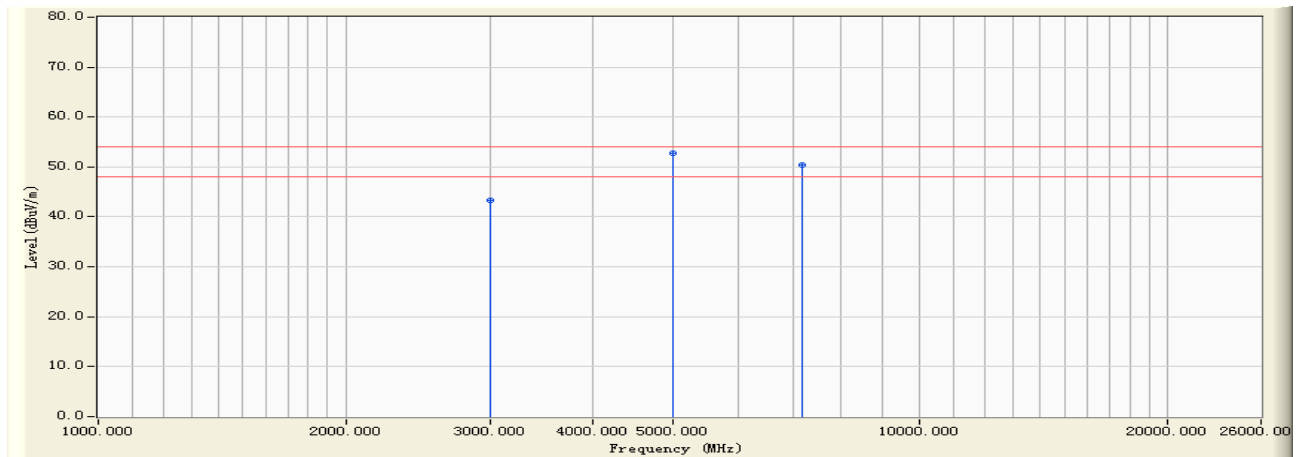
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor





Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:05
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2441MHz)



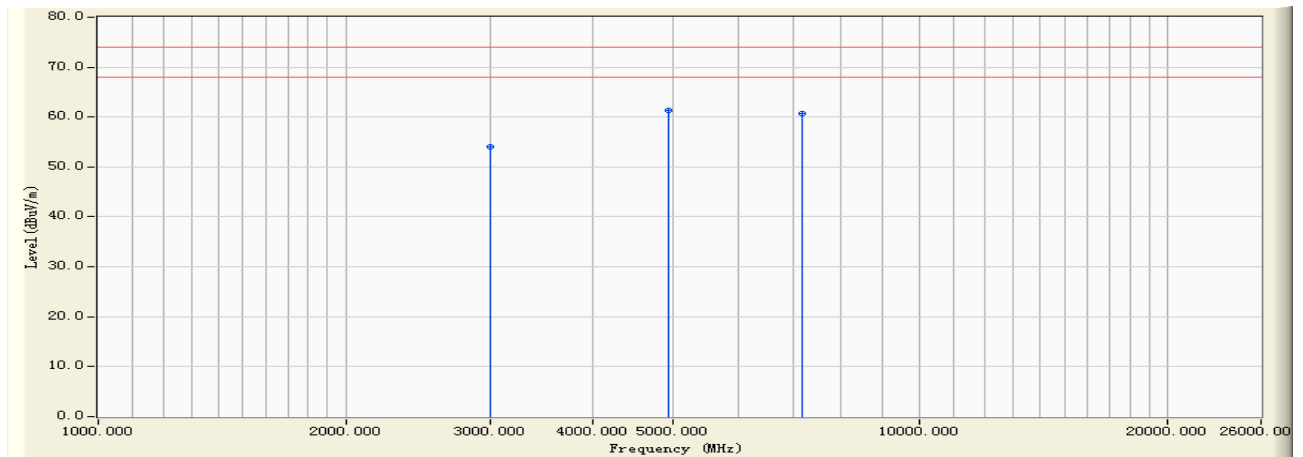
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.285	43.680	43.394	-10.576	53.970	AVERAGE
2	*	5000.000	6.460	46.320	52.780	-1.190	53.970	AVERAGE
3		7200.000	10.099	40.360	50.459	-3.511	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2480MHz)



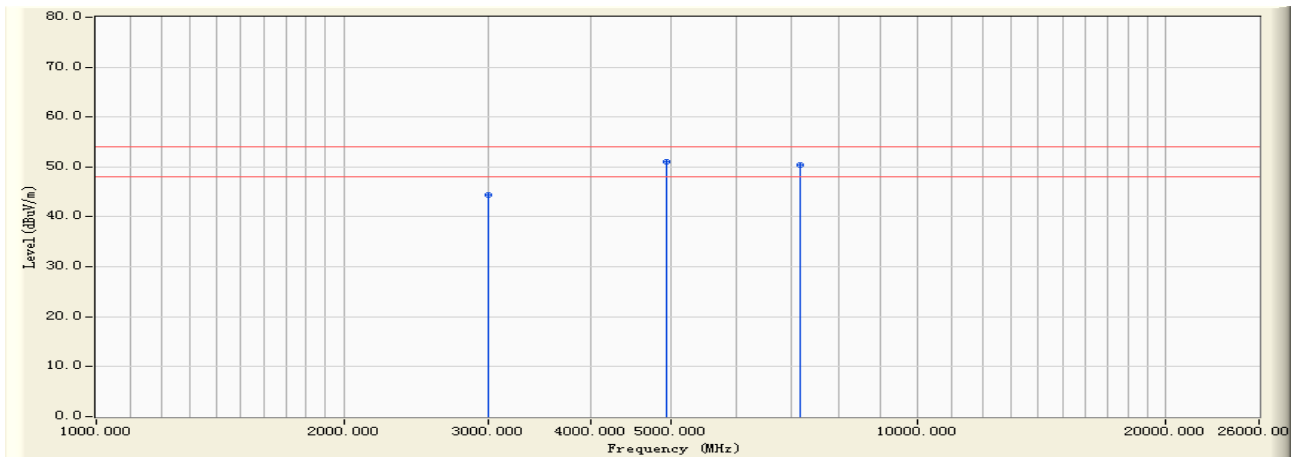
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.329	54.043	-19.927	73.970	PEAK
2	*	4950.000	6.442	54.818	61.260	-12.710	73.970	PEAK
3		7200.000	10.098	50.561	60.659	-13.311	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2480MHz)



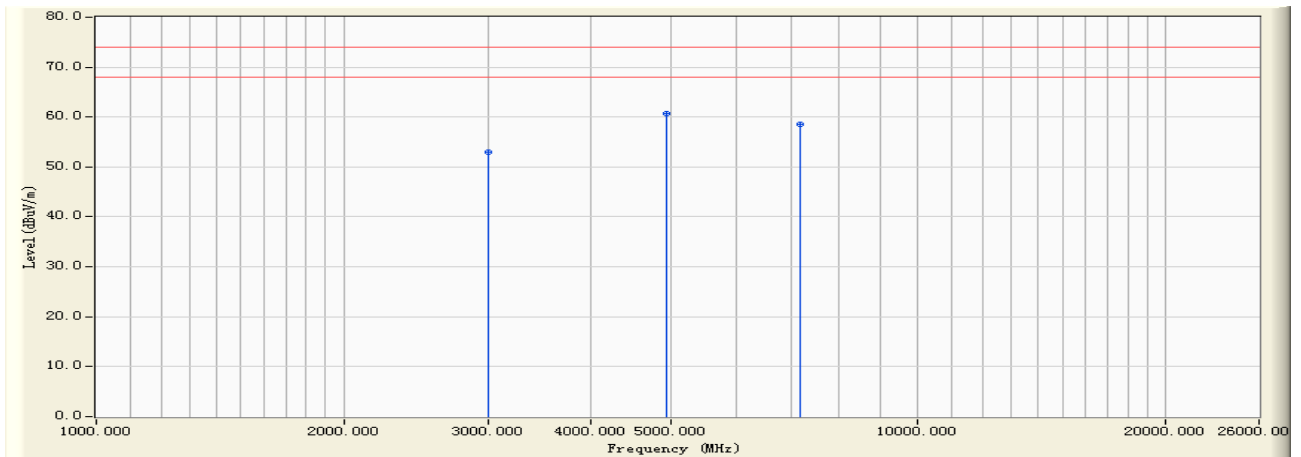
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	44.680	44.394	-9.576	53.970	AVERAGE
2	*	4950.000	6.441	44.580	51.022	-2.948	53.970	AVERAGE
3		7200.000	10.099	40.360	50.459	-3.511	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:09
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2480MHz)



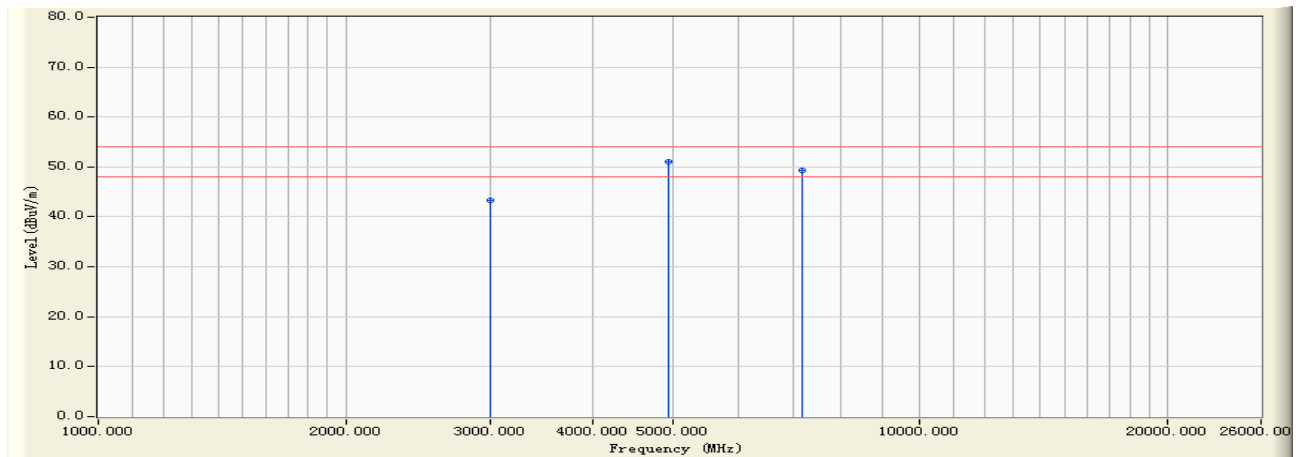
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK
3		7200.000	10.098	48.461	58.559	-15.411	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:09
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Buletooth DH5 (2480MHz)



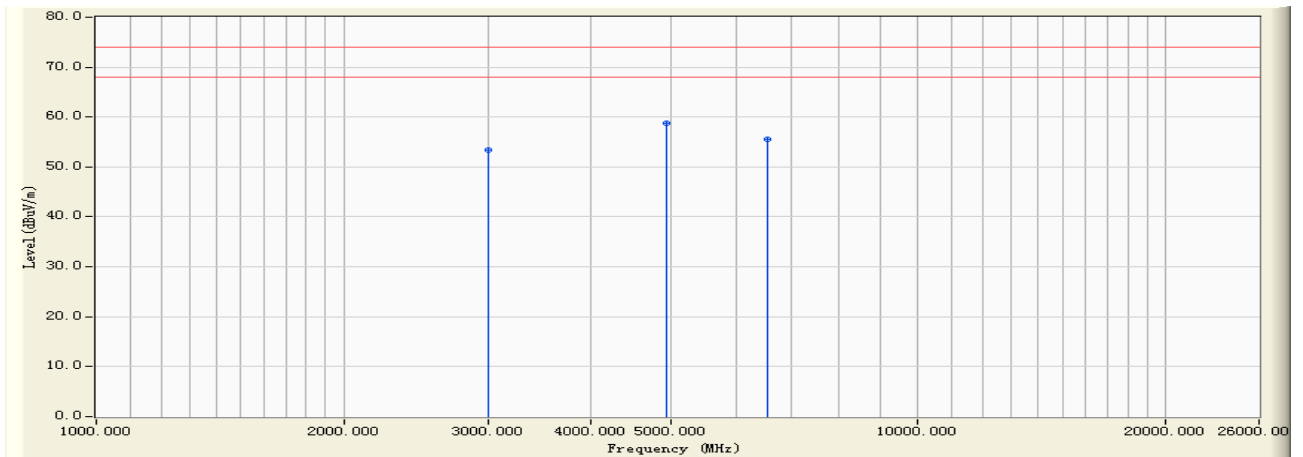
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4950.000	6.442	44.690	51.132	-2.838	53.970	AVERAGE
3		7200.000	10.099	39.320	49.419	-4.551	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:11
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5(2402MHz)



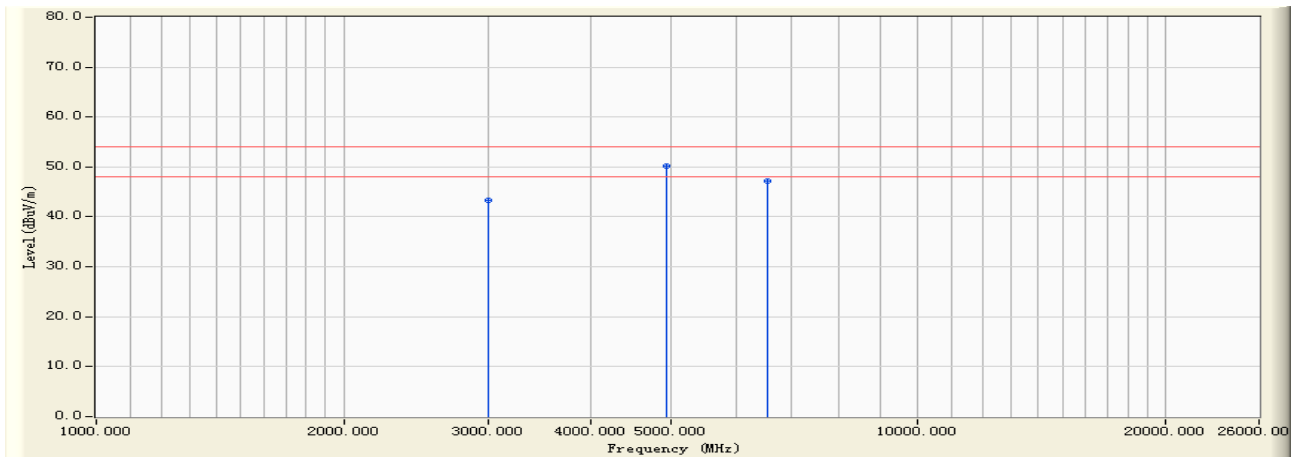
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.747	53.461	-20.509	73.970	PEAK
2	*	4950.000	6.442	52.366	58.808	-15.162	73.970	PEAK
3		6550.000	7.767	47.739	55.506	-18.464	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:11
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5(2402MHz)



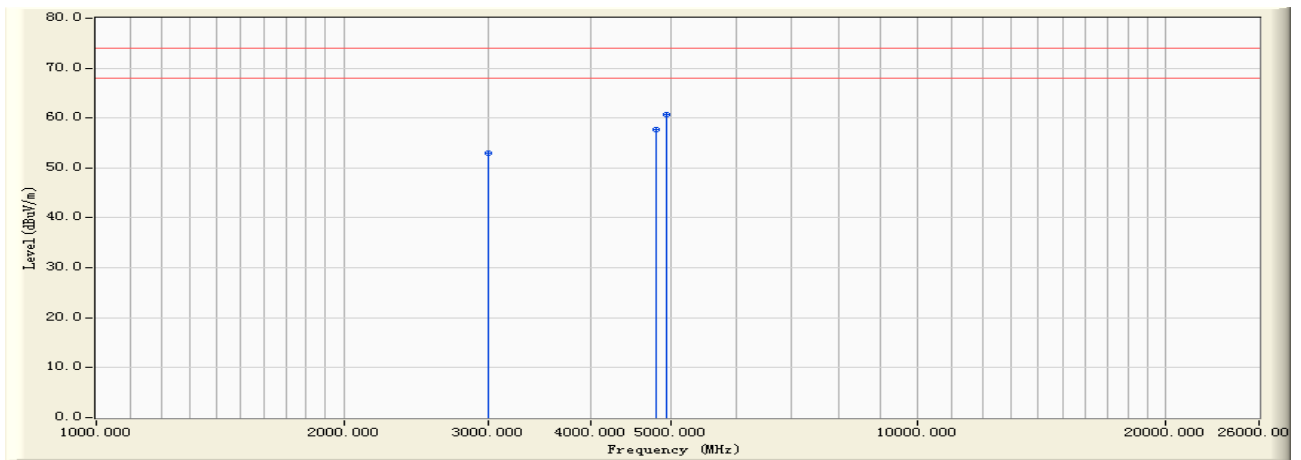
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4950.000	6.441	43.680	50.122	-3.848	53.970	AVERAGE
3		6550.000	7.767	39.320	47.087	-6.883	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:13
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5(2402MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2		4800.000	6.381	51.342	57.723	-16.247	73.970	PEAK
3	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK

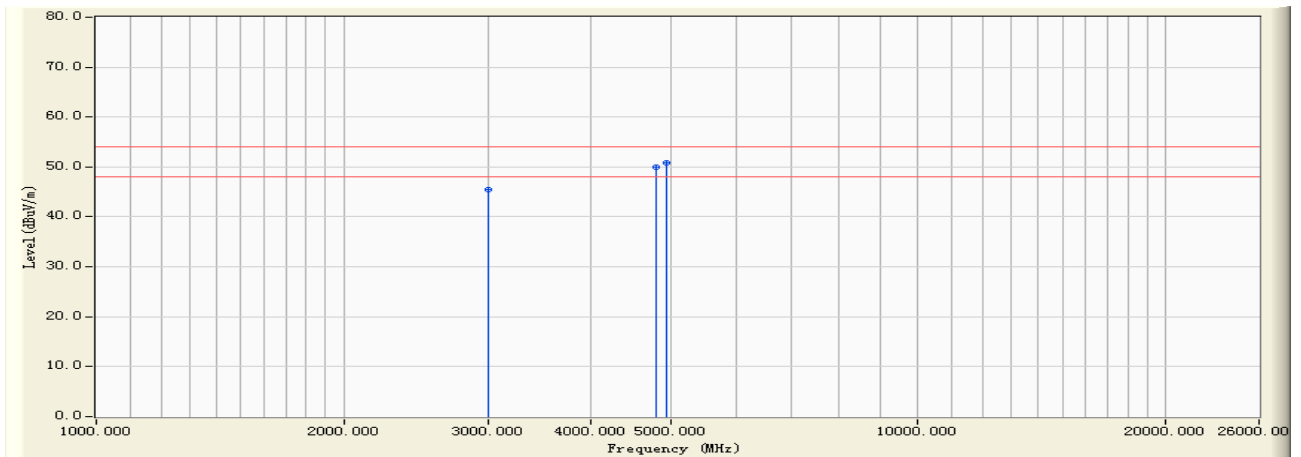
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor





Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 -21:13
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5(2402MHz)



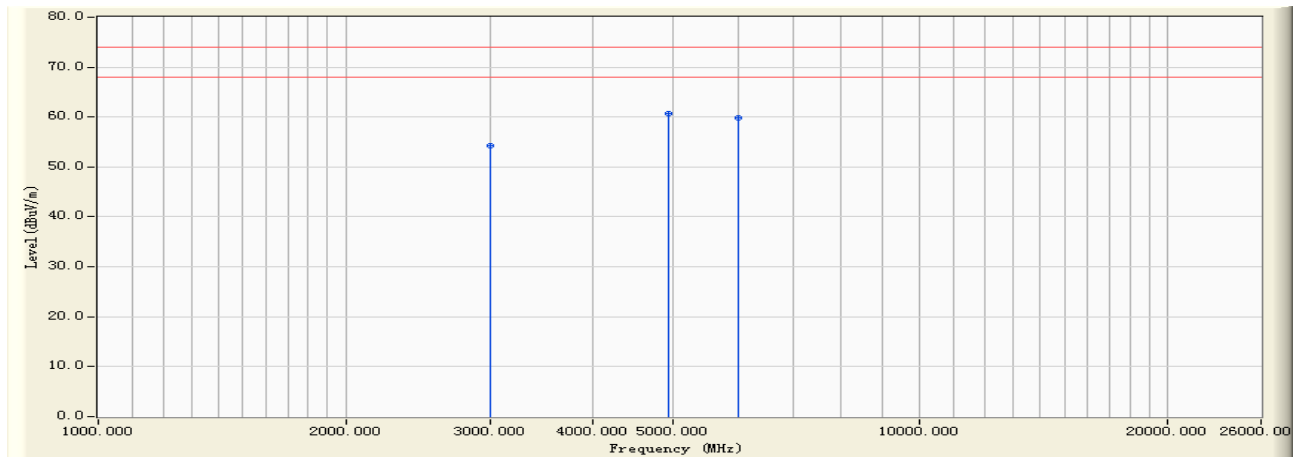
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	45.690	45.404	-8.566	53.970	AVERAGE
2		4800.000	6.382	43.680	50.062	-3.908	53.970	AVERAGE
3	*	4950.000	6.441	44.350	50.792	-3.178	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:15
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2441MHz)



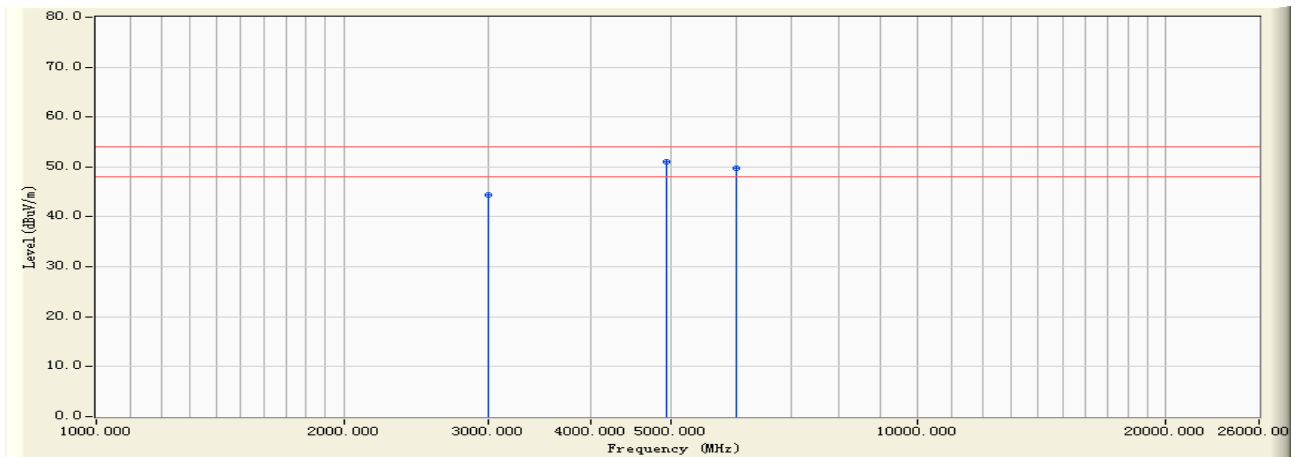
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.529	54.243	-19.727	73.970	PEAK
2	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK
3		6000.000	6.139	53.674	59.813	-14.157	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:15
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2441MHz)



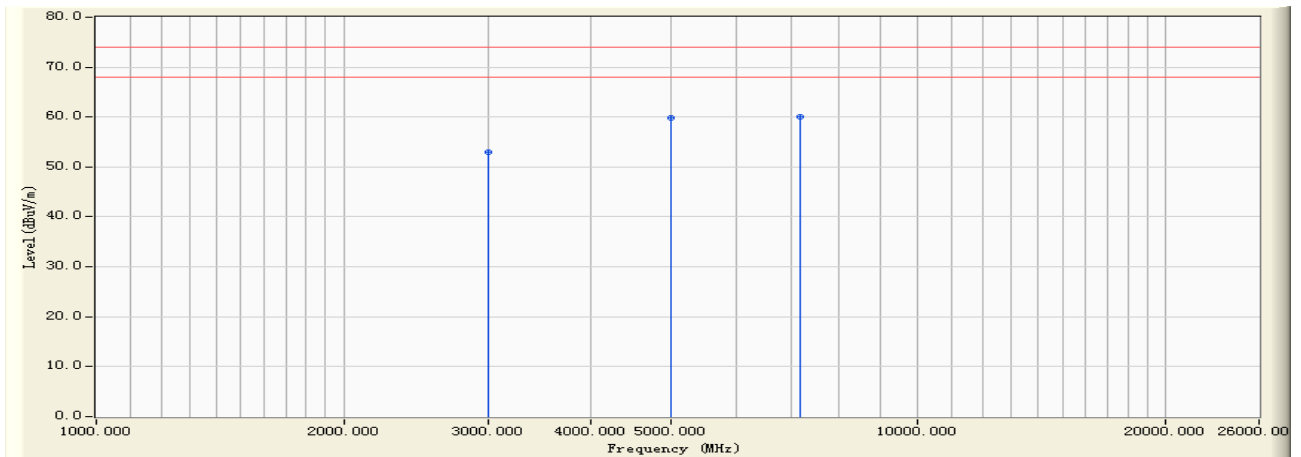
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	44.680	44.394	-9.576	53.970	AVERAGE
2	*	4950.000	6.441	44.580	51.022	-2.948	53.970	AVERAGE
3		6000.000	6.141	43.680	49.822	-4.148	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2441MHz)



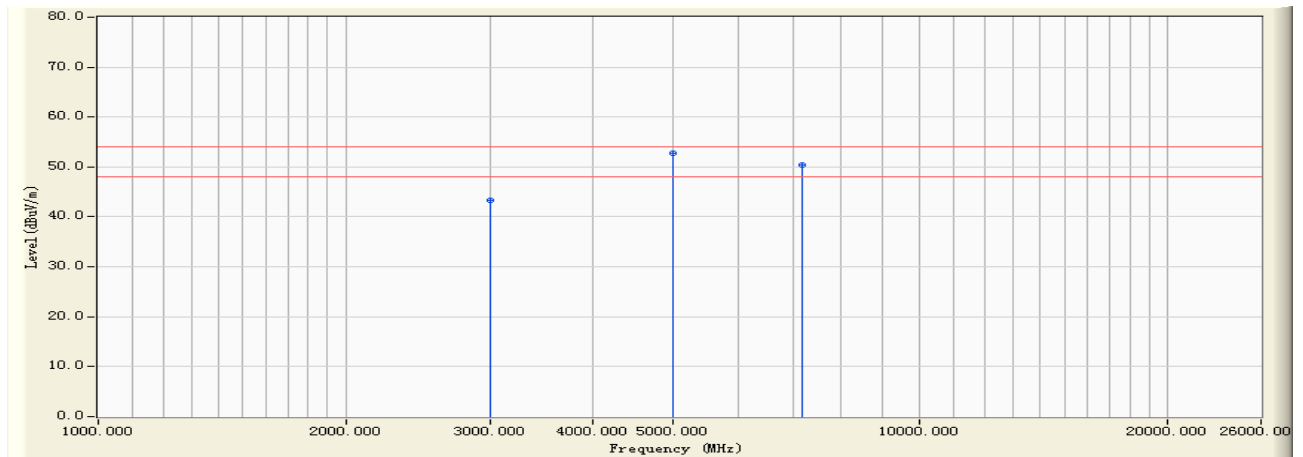
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2		5000.000	6.462	53.379	59.840	-14.130	73.970	PEAK
3	*	7200.000	10.098	50.061	60.159	-13.811	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:17
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2441MHz)



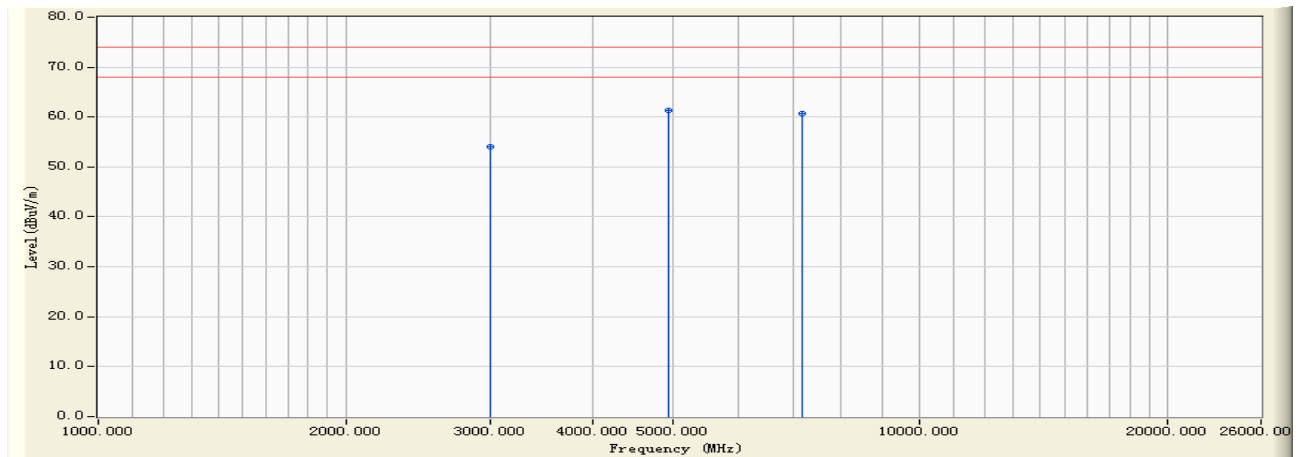
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.285	43.680	43.394	-10.576	53.970	AVERAGE
2	*	5000.000	6.460	46.320	52.780	-1.190	53.970	AVERAGE
3		7200.000	10.099	40.360	50.459	-3.511	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:19
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2480MHz)



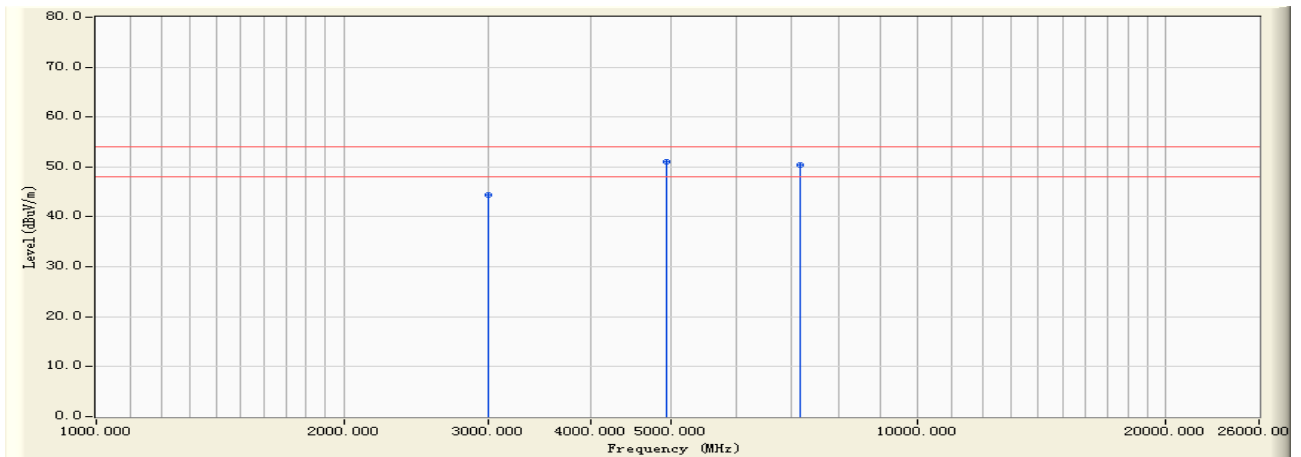
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.329	54.043	-19.927	73.970	PEAK
2	*	4950.000	6.442	54.818	61.260	-12.710	73.970	PEAK
3		7200.000	10.098	50.561	60.659	-13.311	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2480MHz)



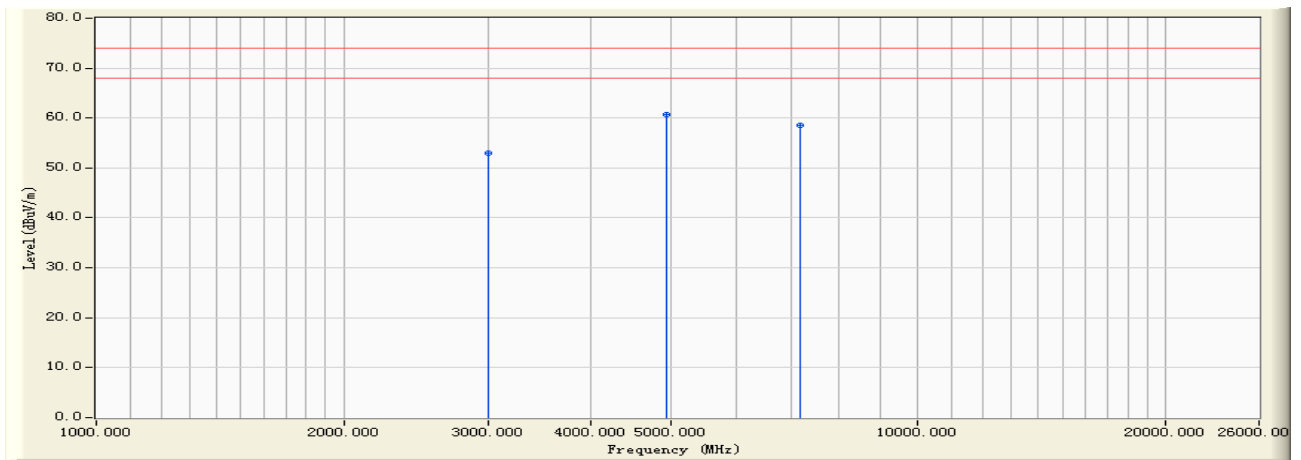
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	44.680	44.394	-9.576	53.970	AVERAGE
2	*	4950.000	6.441	44.580	51.022	-2.948	53.970	AVERAGE
3		7200.000	10.099	40.360	50.459	-3.511	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2480MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.229	52.943	-21.027	73.970	PEAK
2	*	4950.000	6.442	54.318	60.760	-13.210	73.970	PEAK
3		7200.000	10.098	48.461	58.559	-15.411	73.970	PEAK

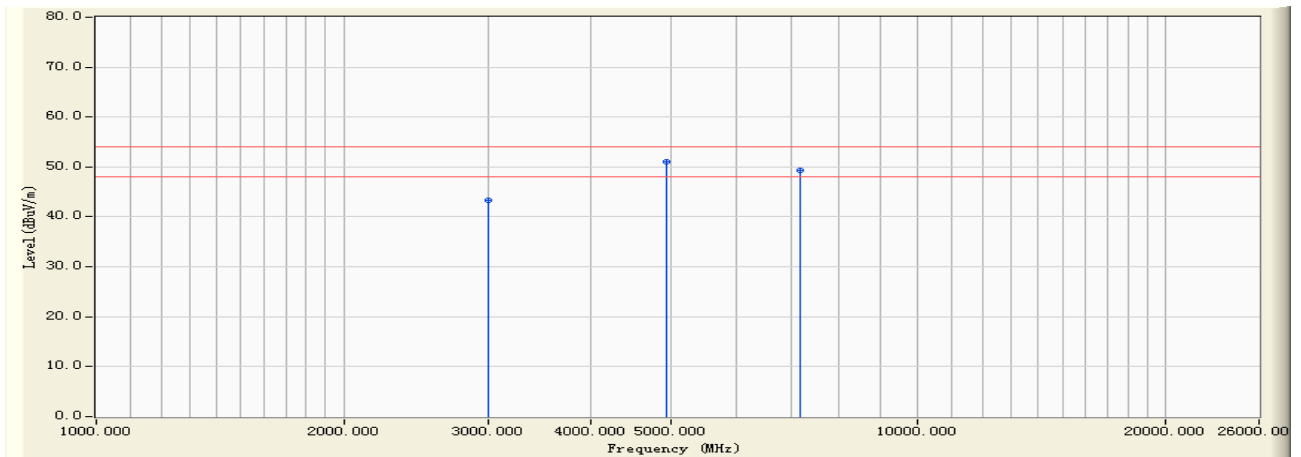
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor





Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 – 21:21
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Buletooth 3DH5 (2480MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4950.000	6.442	44.690	51.132	-2.838	53.970	AVERAGE
3		7200.000	10.099	39.320	49.419	-4.551	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



## 5. Occupied Bandwidth

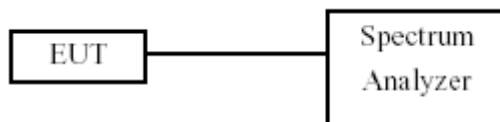
### 5.1. Test Limit

N/A

### 5.2. Test Procedures

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 5.3. Test Setup Layout



### 5.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10

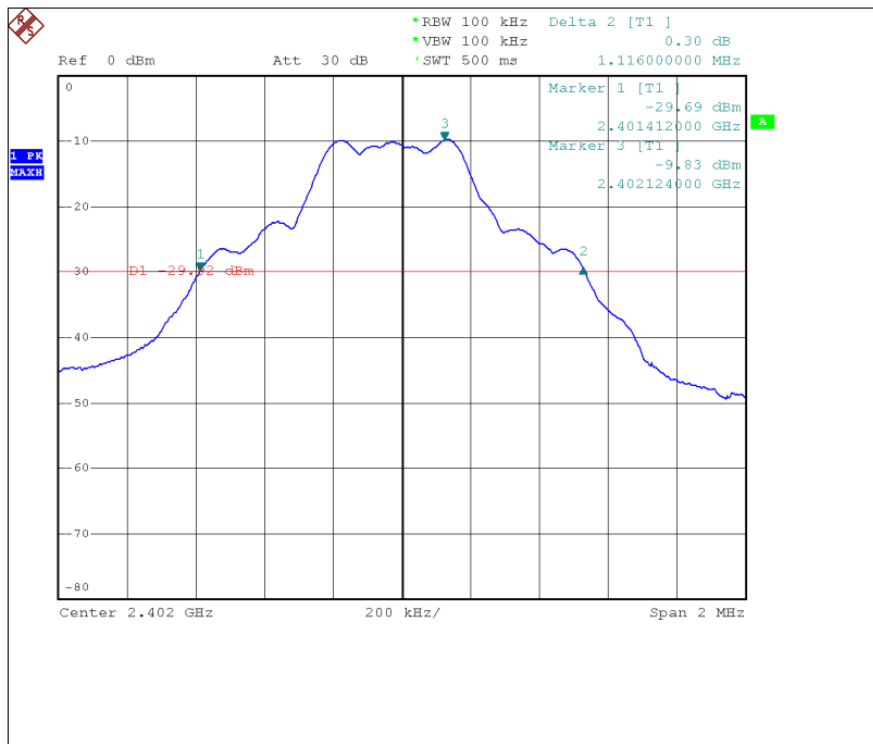


### 5.5. Test Result and Data

Test Item	Occupied Bandwidth
Test Mode	Mode 1: Transmit By DH5
Test Date	2009-04-06

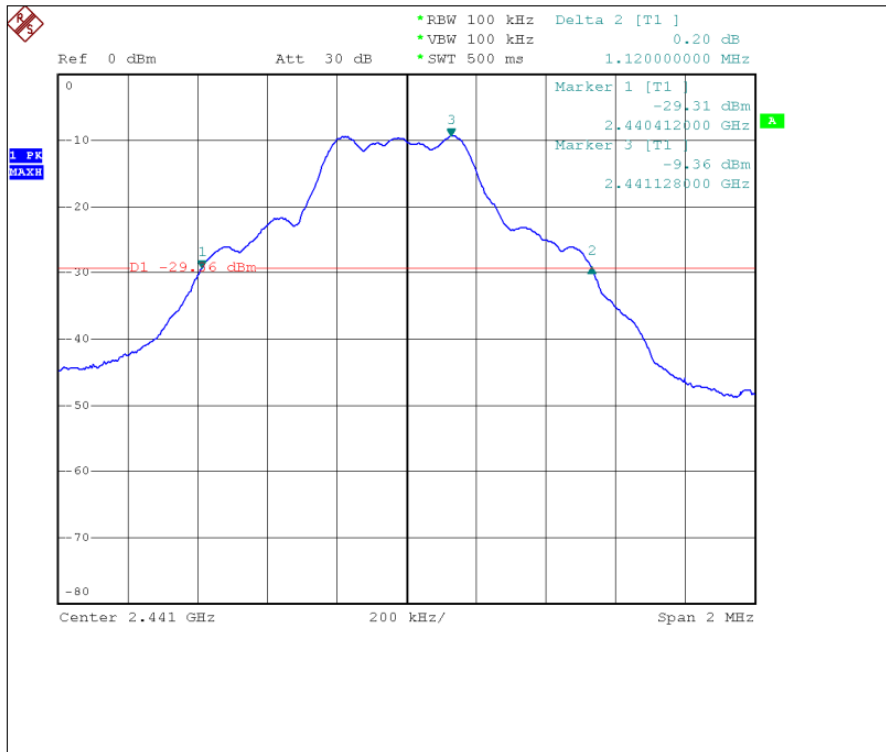
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	1116	N/A	Pass
39	2441	1120	N/A	Pass
78	2480	1112	N/A	Pass

Channel 00 (2402MHz)

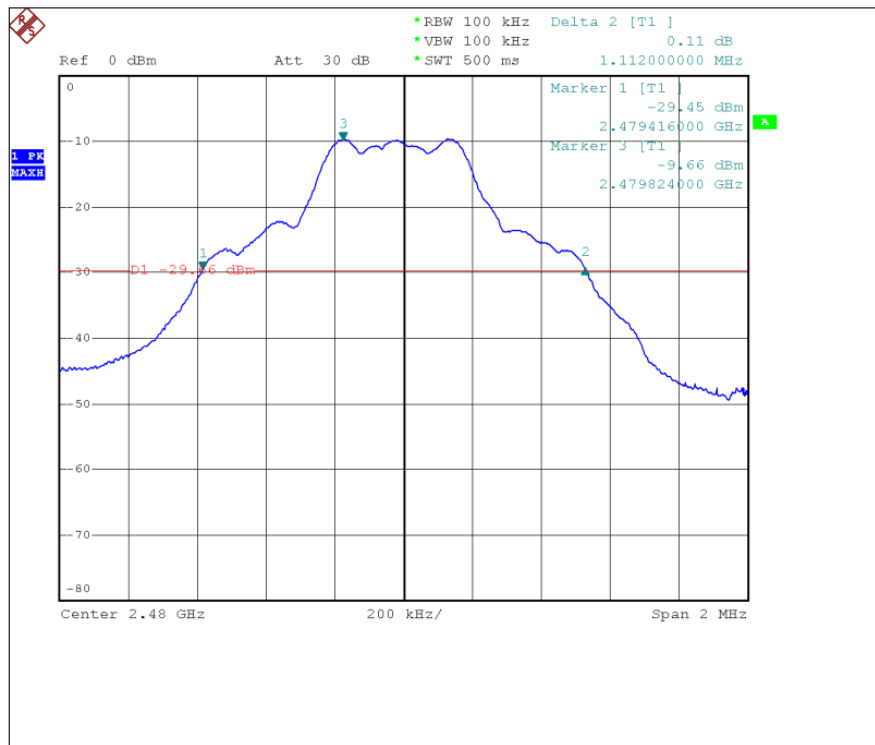




### Channel 78 (2441MHz)



### Channel 39 (2480MHz)

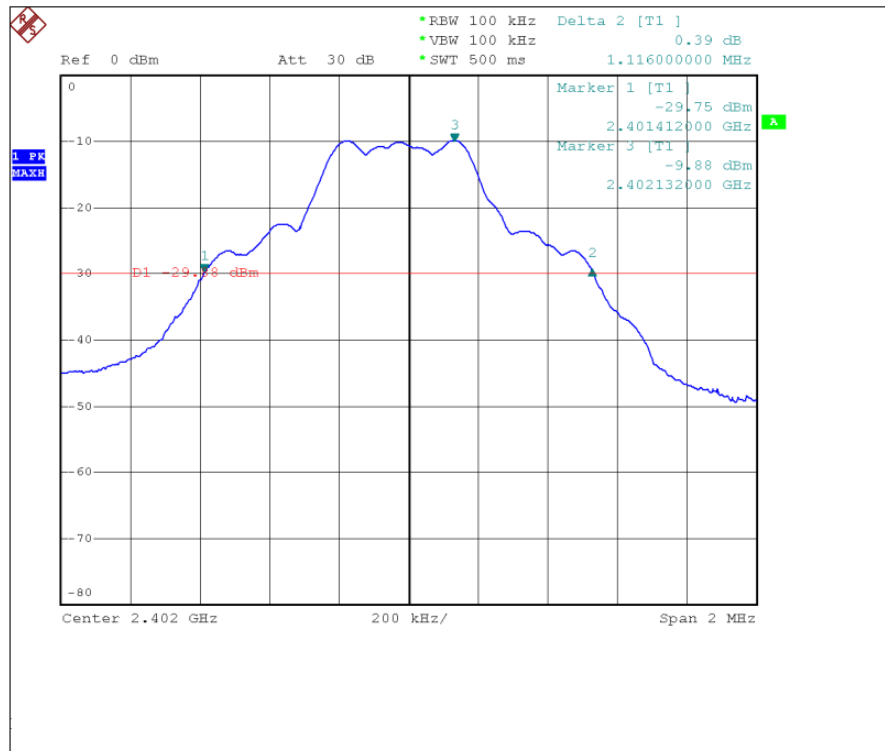




Test Item	Occupied Bandwidth
Test Mode	Mode 2: Transmit By 3DH5
Test Date	2009-04-06

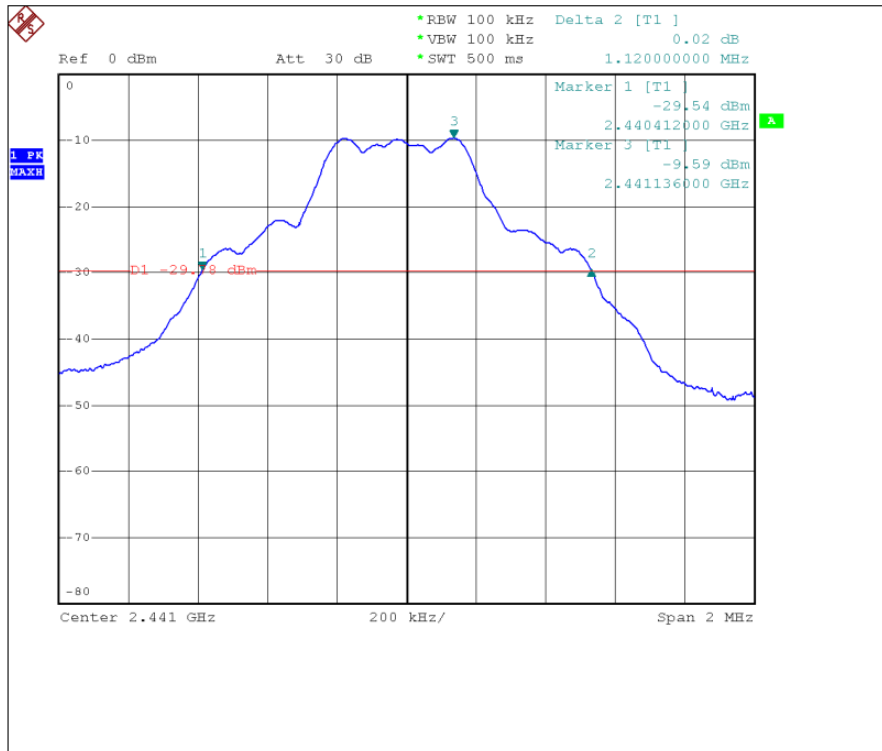
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	1116	N/A	Pass
39	2441	1120	N/A	Pass
78	2480	1112	N/A	Pass

Channel 00 (2402MHz)

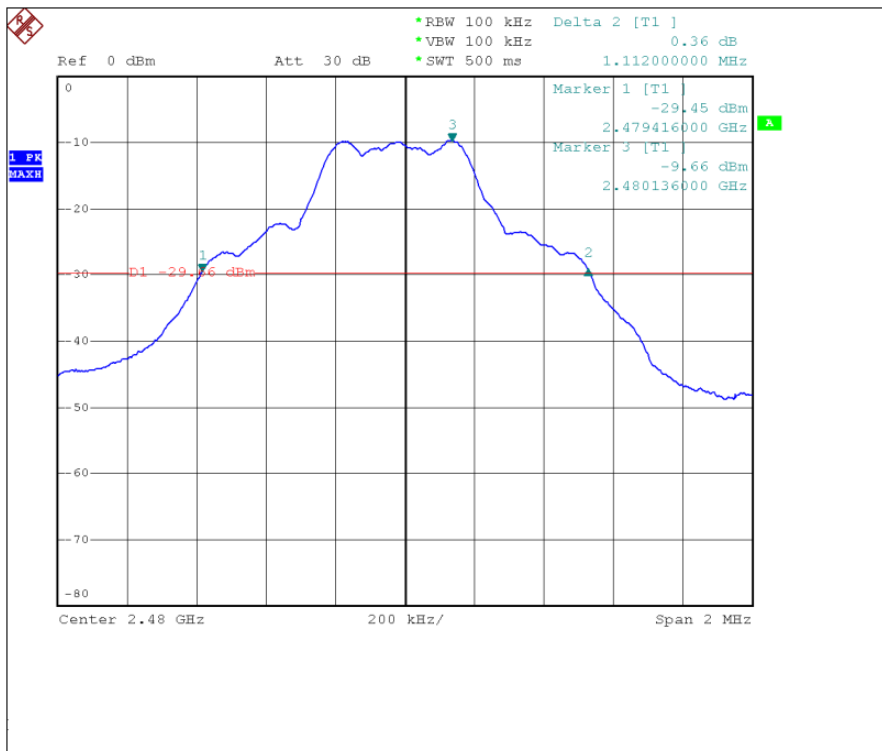




### Channel 78 (2441MHz)



### Channel 39 (2480MHz)





## 6. Channel Number

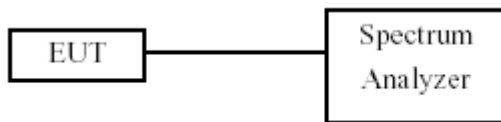
### 6.1. Test Limit

Frequency hopping systems operating in the 2400-2483.5 MHz bands shall use at least 15 hopping frequencies.

### 6.2. Test Procedures

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 6.3. Test Setup Layout



### 6.4. Measurement Equipment

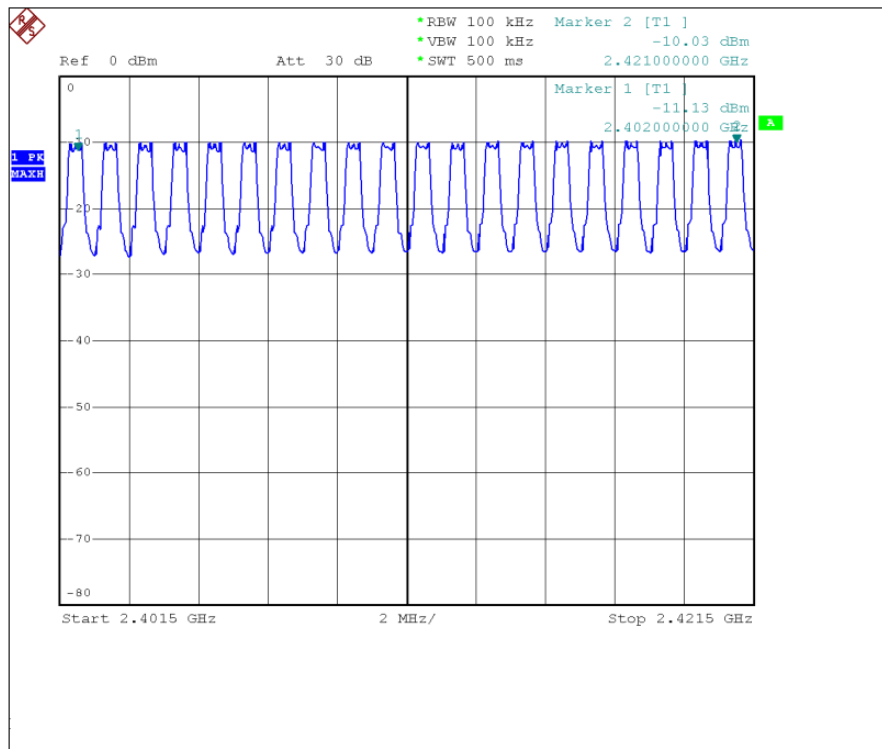
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



### 6.5. Test Result and Data

Test Item	Channel Number
Test Mode	Mode 1: Transmit By DH5
Test Date	2009-04-06

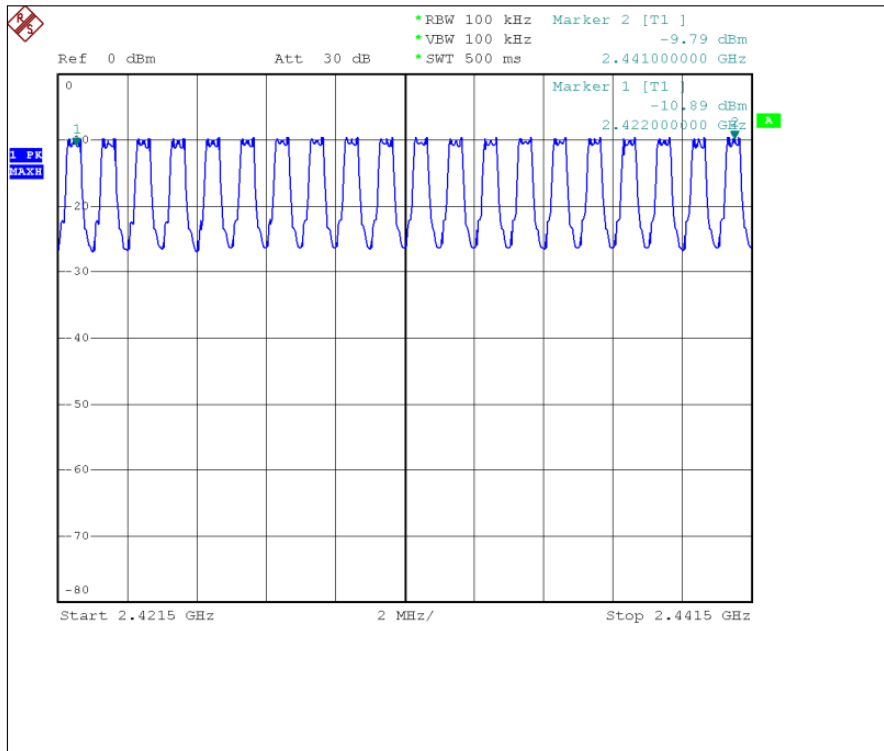
Frequency Range (2401~2421MHz)



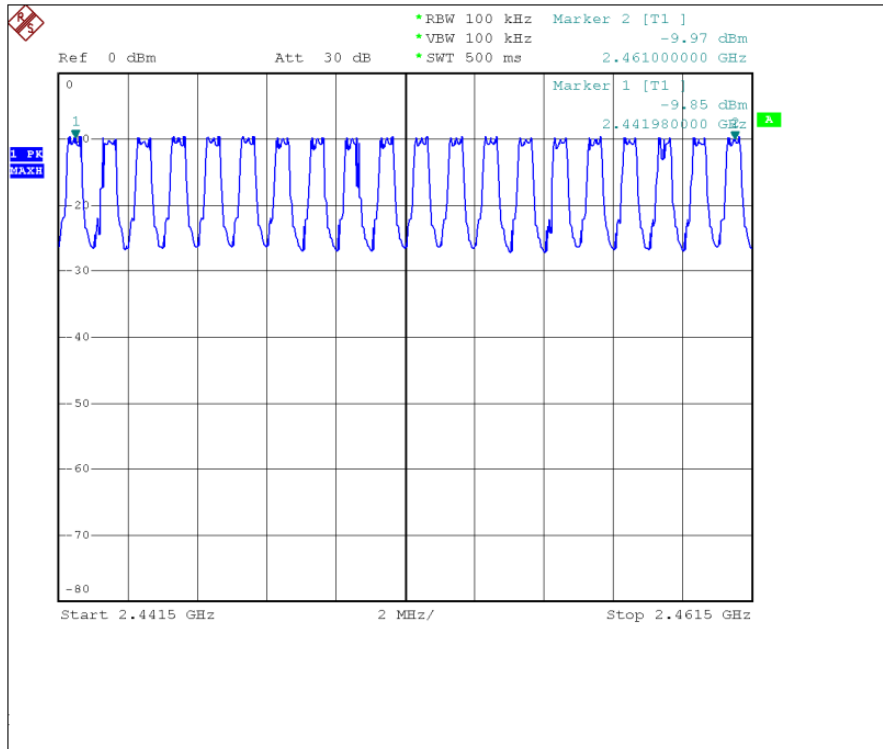




Frequency Range (2421~2441MHz)

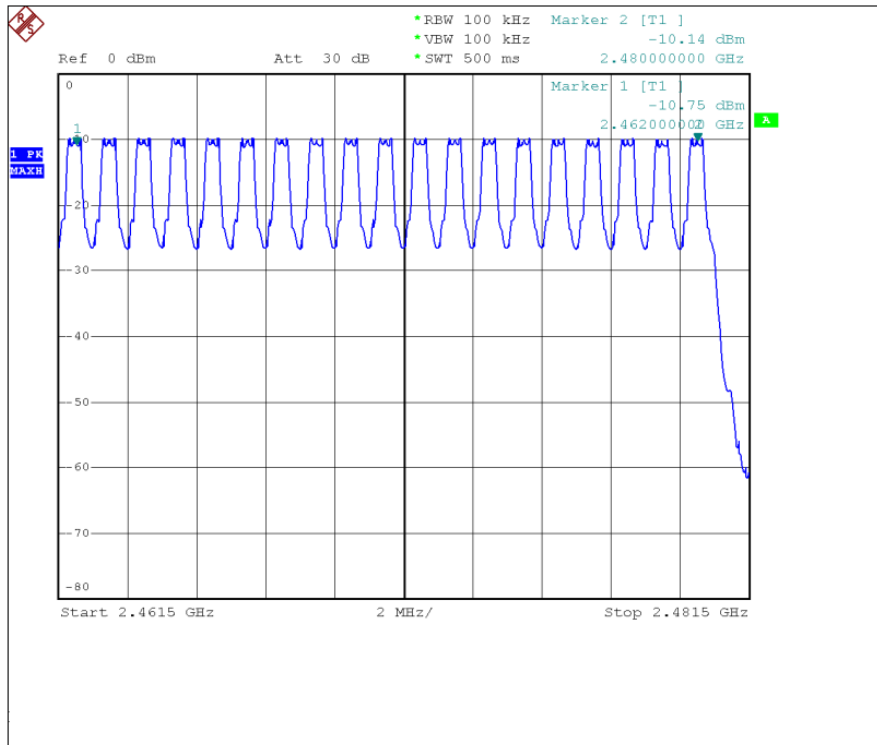


Frequency Range (2441~2461MHz)





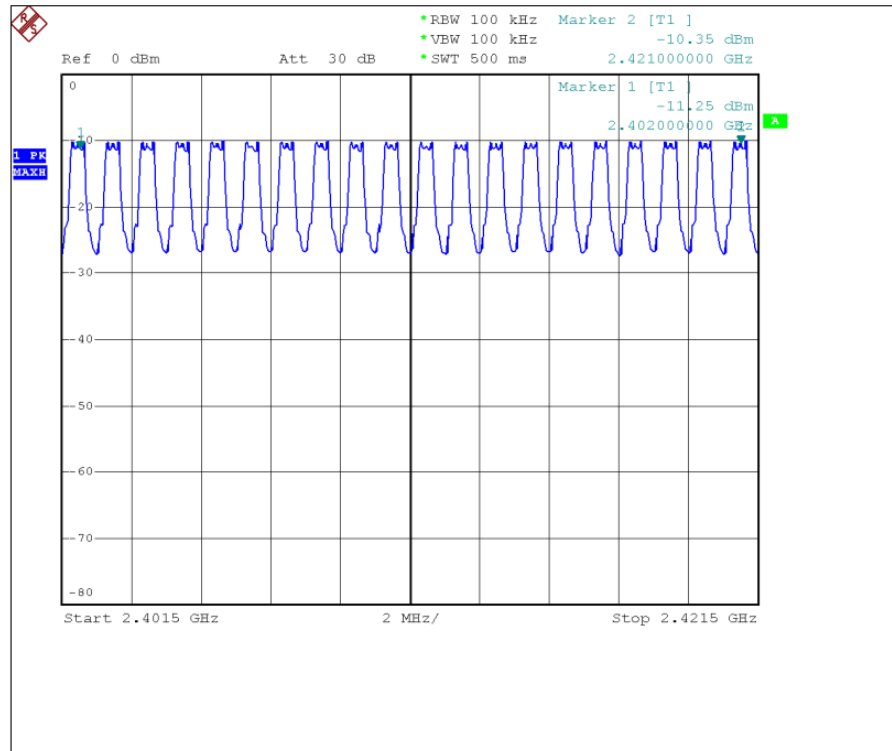
Frequency Range (2461~2481MHz)





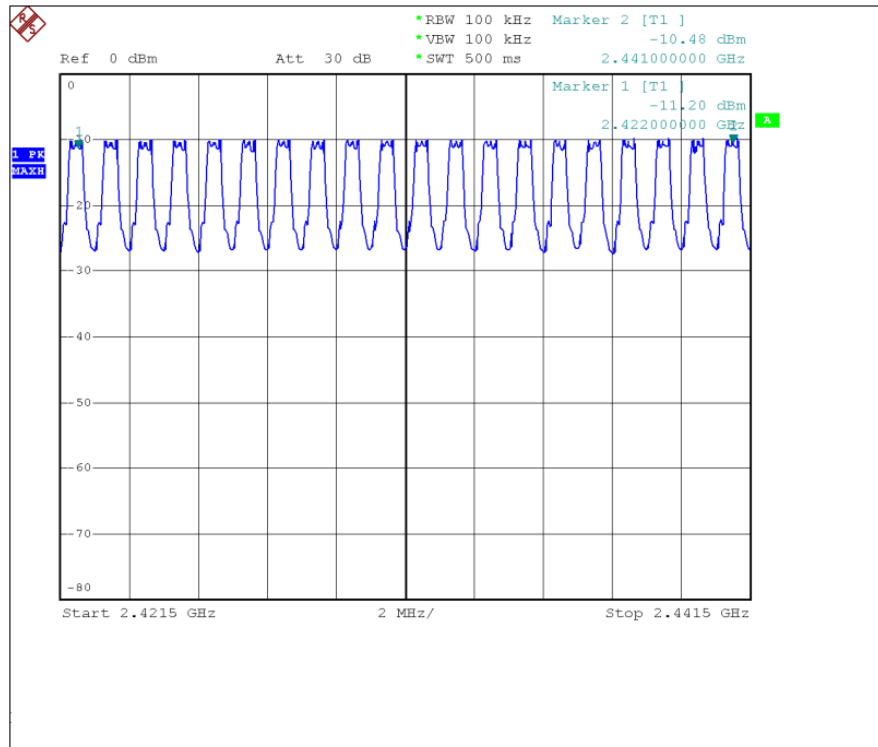
Test Item	Channel Number
Test Mode	Mode 2: Transmit By 3DH5
Test Date	2009-04-06

Frequency Range (2401~2421MHz)

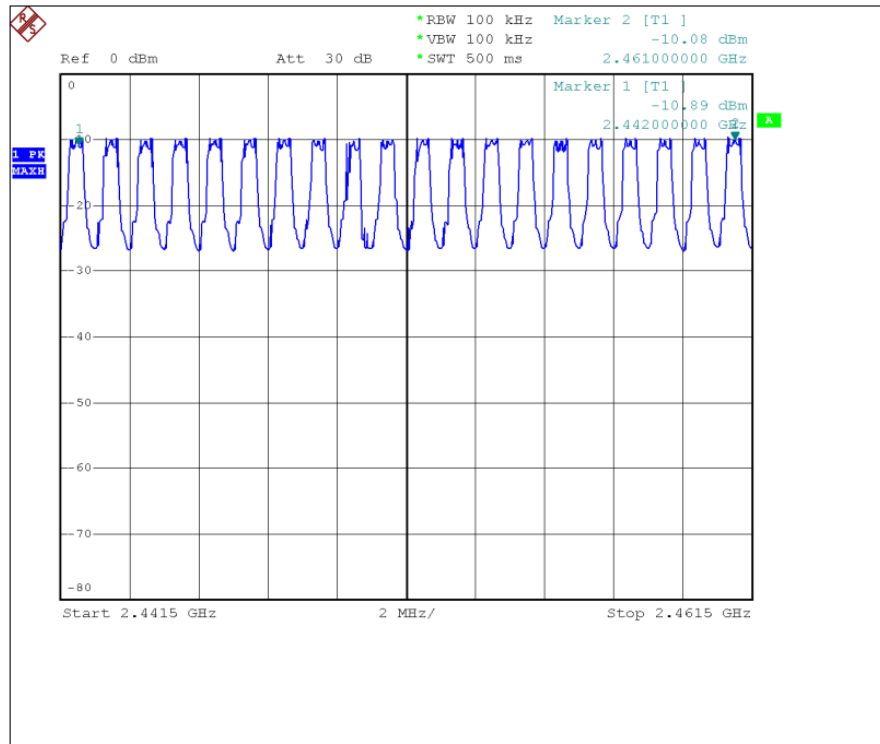




Frequency Range (2421~2441MHz)

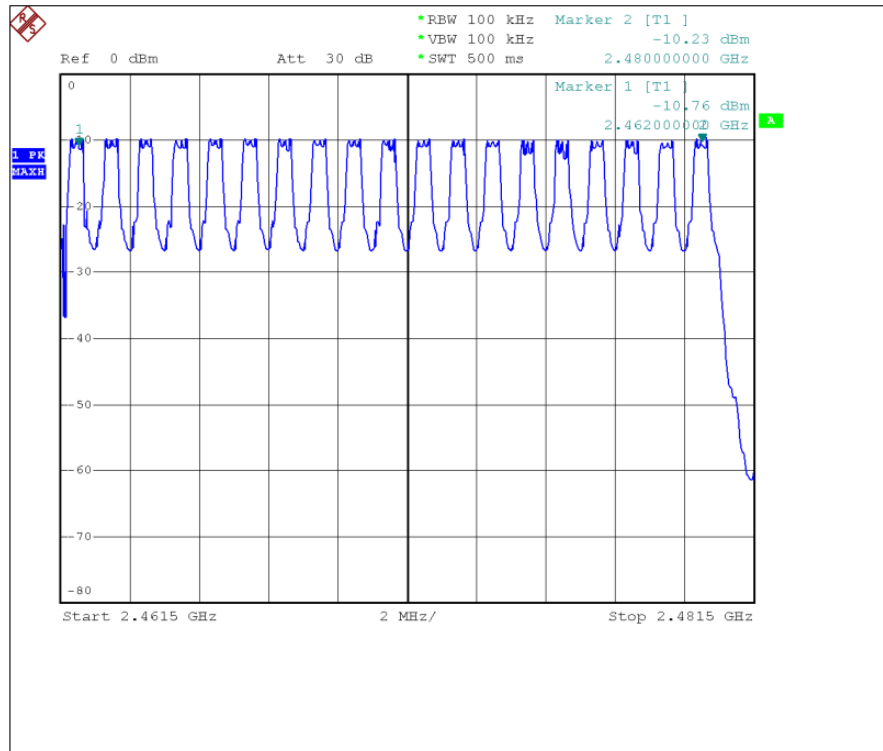


Frequency Range (2441~2461MHz)





Frequency Range (2461~2481MHz)





## 7. Channel Separation

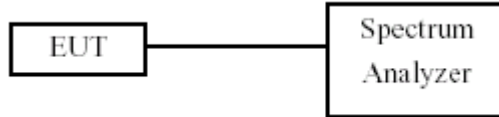
### 7.1. Test Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

### 7.2. Test Procedures

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 7.3. Test Setup Layout



### 7.4. Measurement Equipment

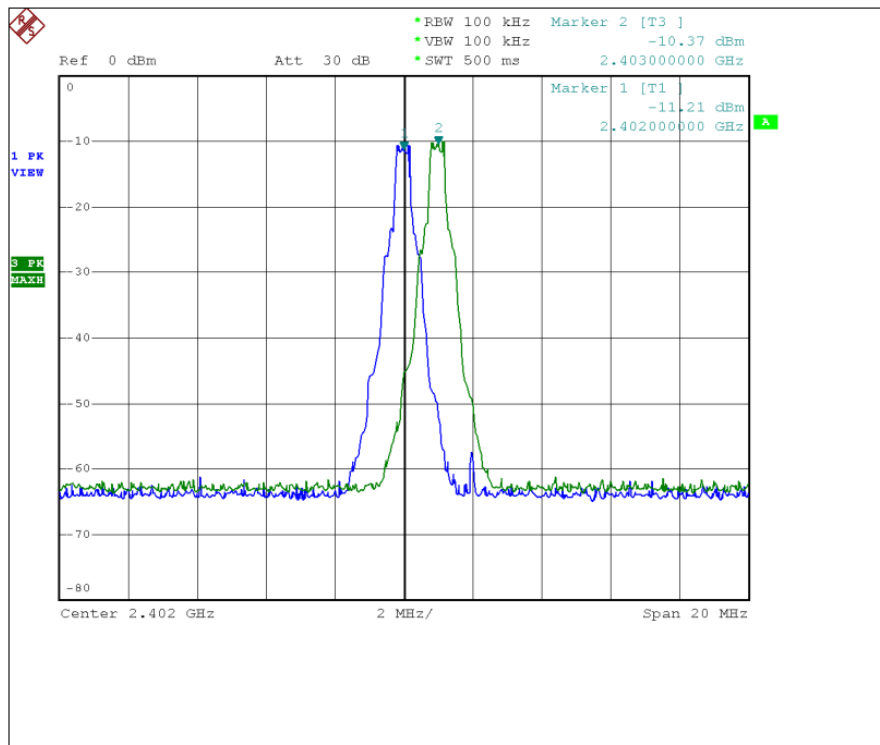
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



### 7.5. Test Result and Data

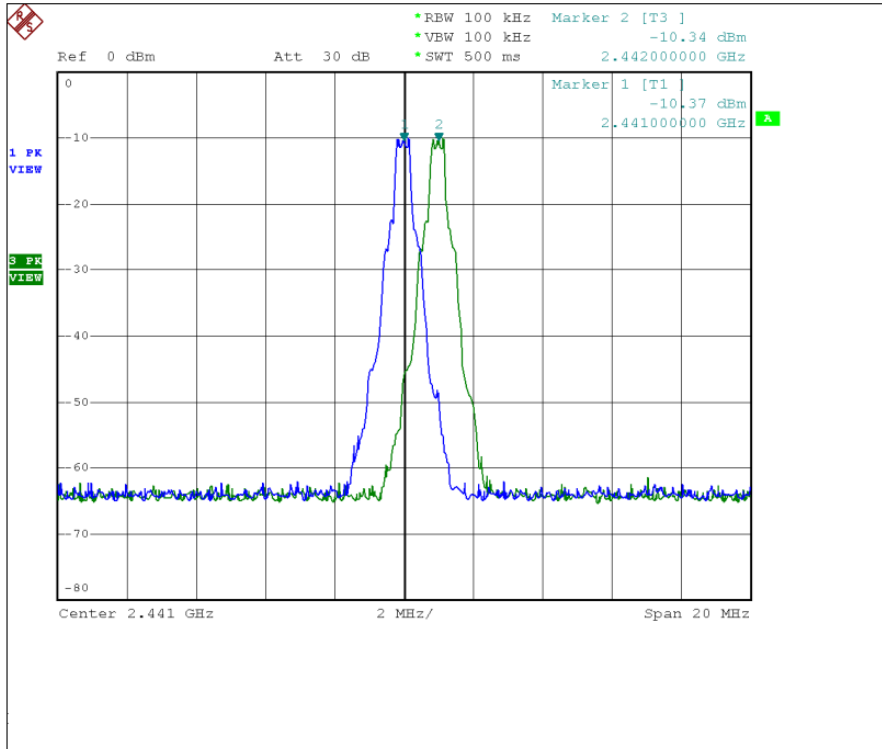
Test Item	Channel Separation
Test Mode	Mode 1: Transmit By DH5
Test Date	2009-04-06

2402MHz-2403MHz

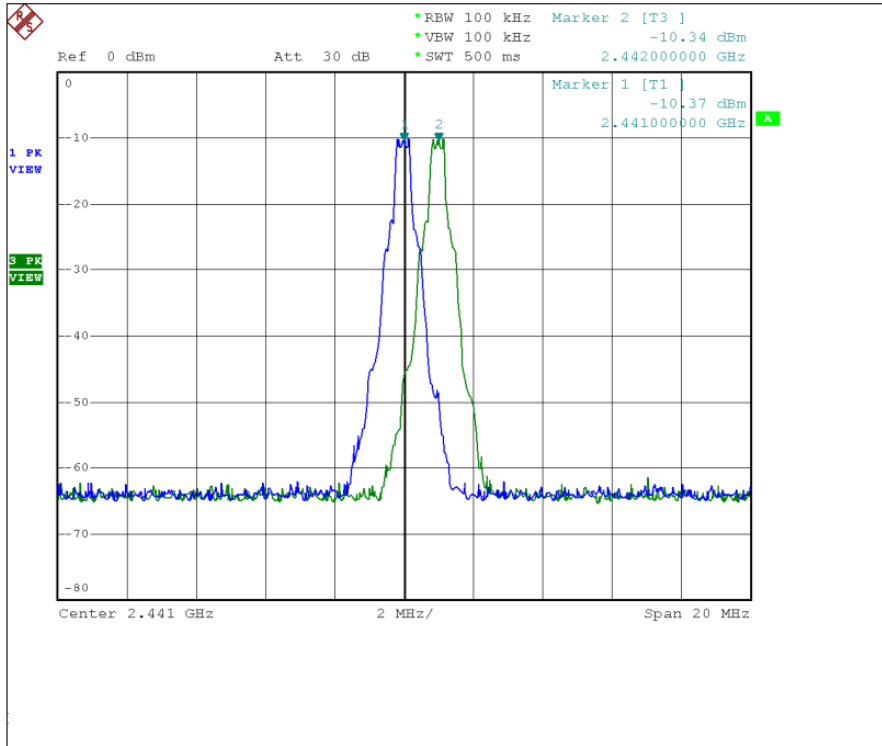




2441MHz-2442MHz



2479MHz-2480MHz

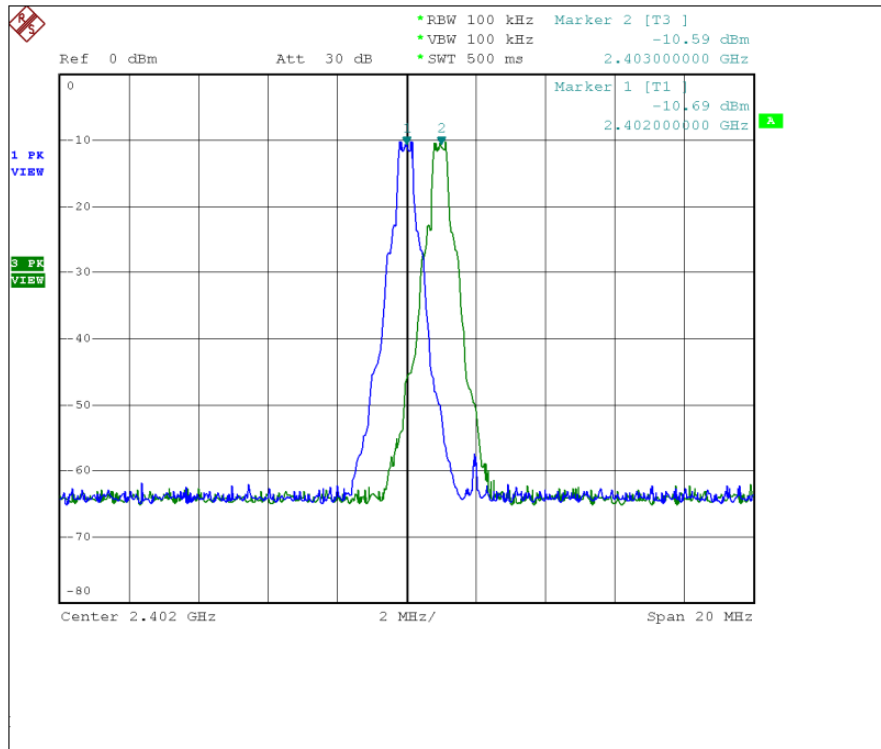






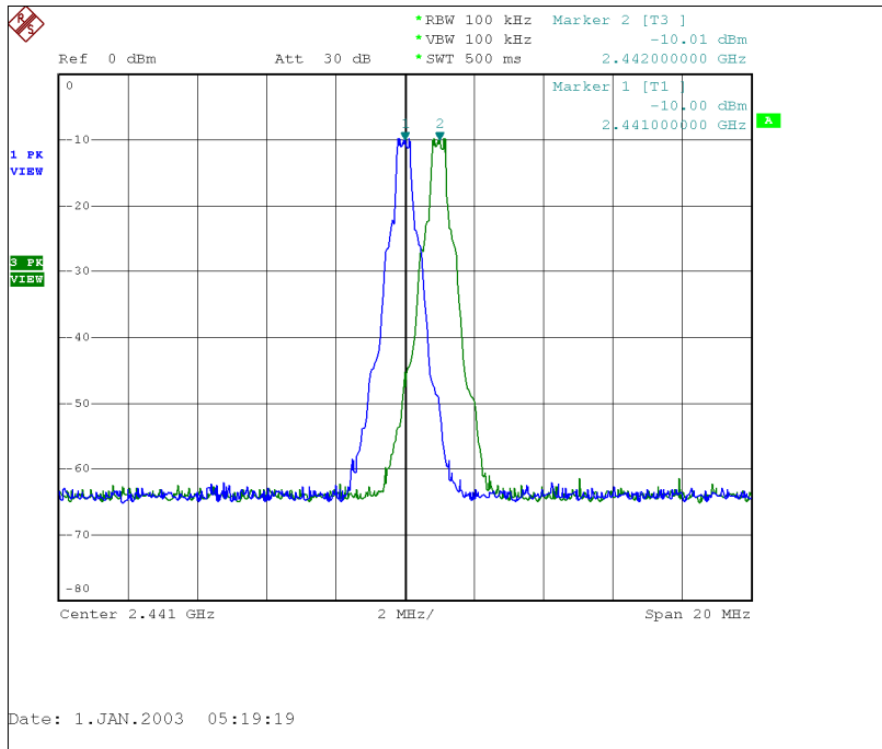
Test Item	Channel Separation
Test Mode	Mode 2: Transmit By 3DH5
Test Date	2009-04-06

2402MHz-2403MHz

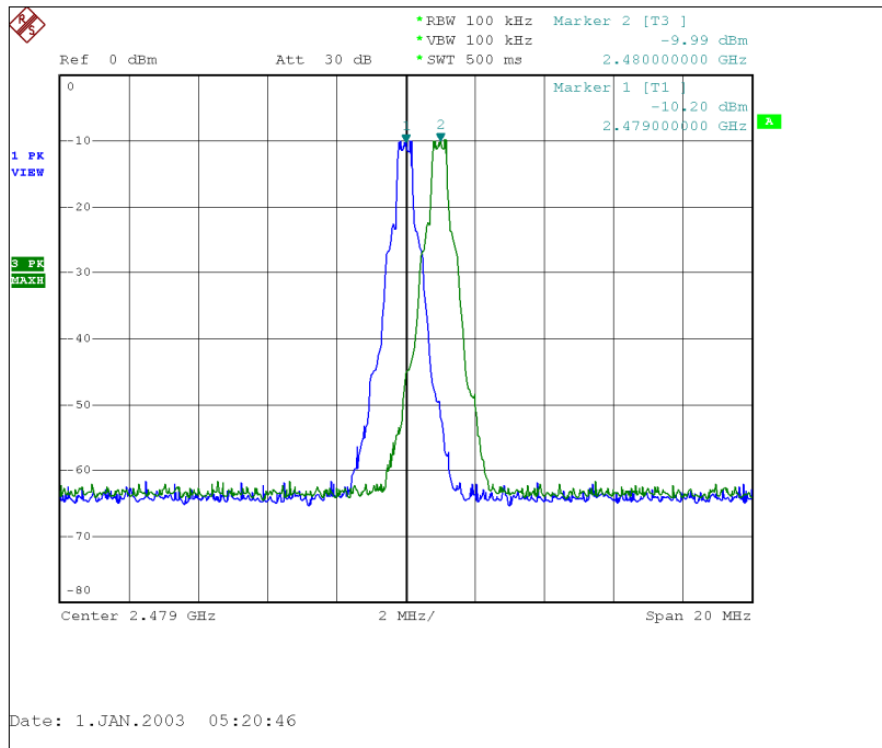




2441MHz-2442MHz



2479MHz-2480MHz





## 8. Dwell time

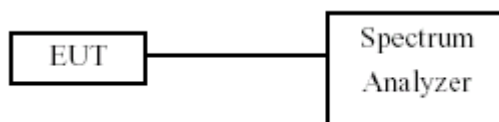
### 8.1. Test Limit

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

### 8.2. Test Procedure

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 8.3. Test Setup Layout



### 8.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



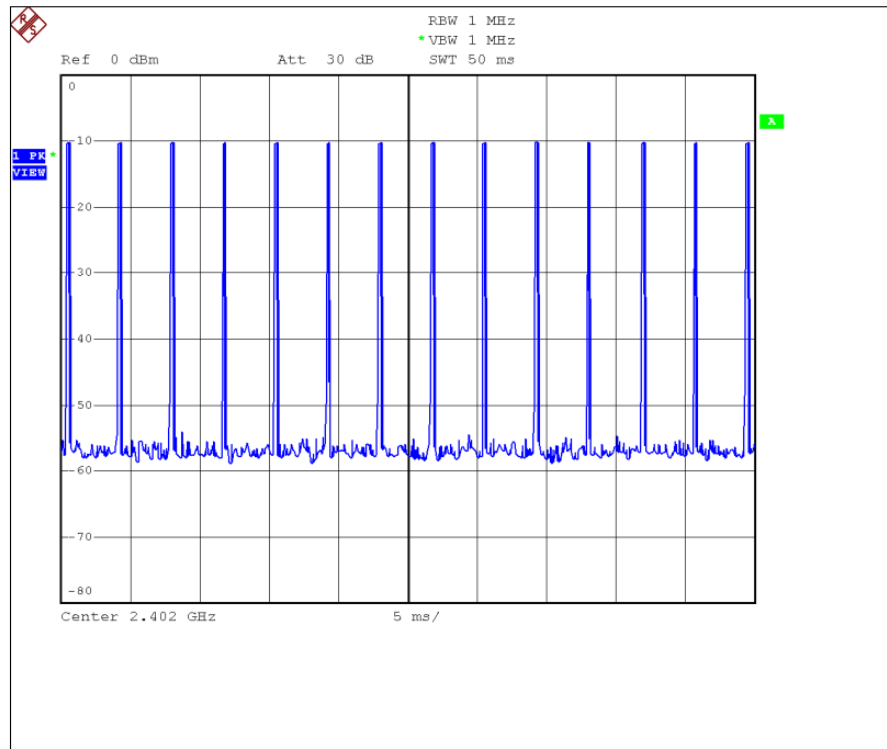
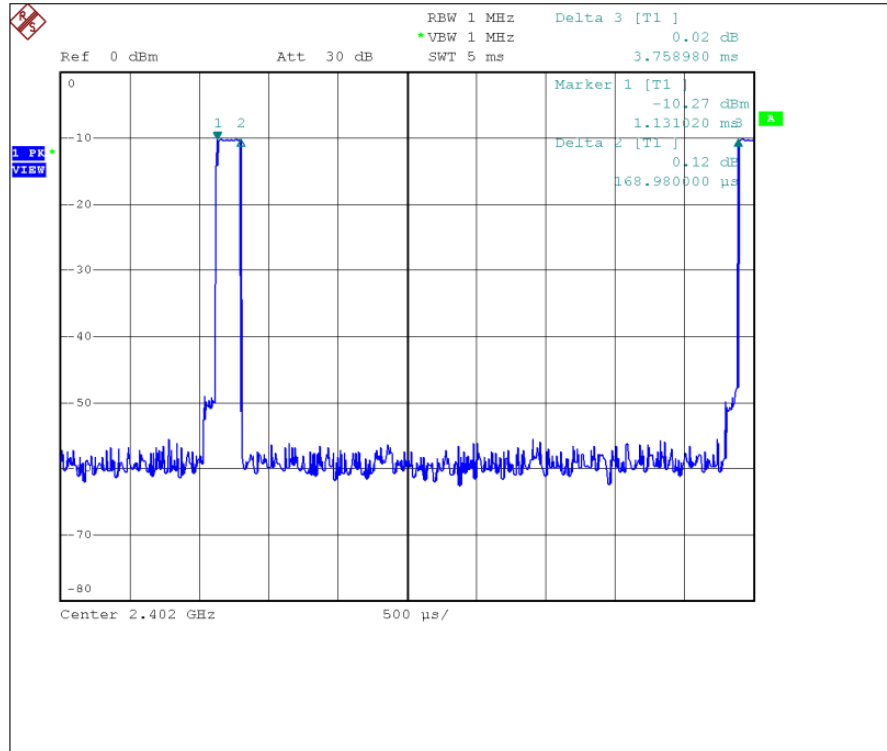
### 8.5. Test Result and Data

Test Item	Dwell time
Test Mode	Mode 1: Transmit By DH5
Test Date	2009-04-06

Frequency (MHz)	Measurement Level (ms)	Required Limit (sec.)	Result
2402	189.53	< 0.4	Pass
2441	201.89	< 0.4	Pass
2480	190.67	< 0.4	Pass

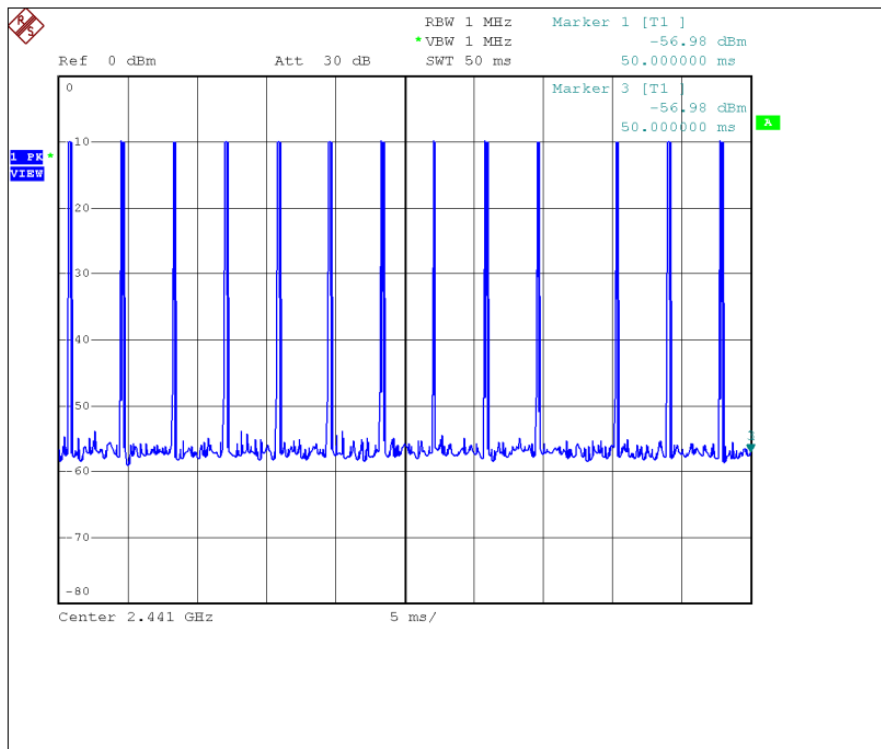
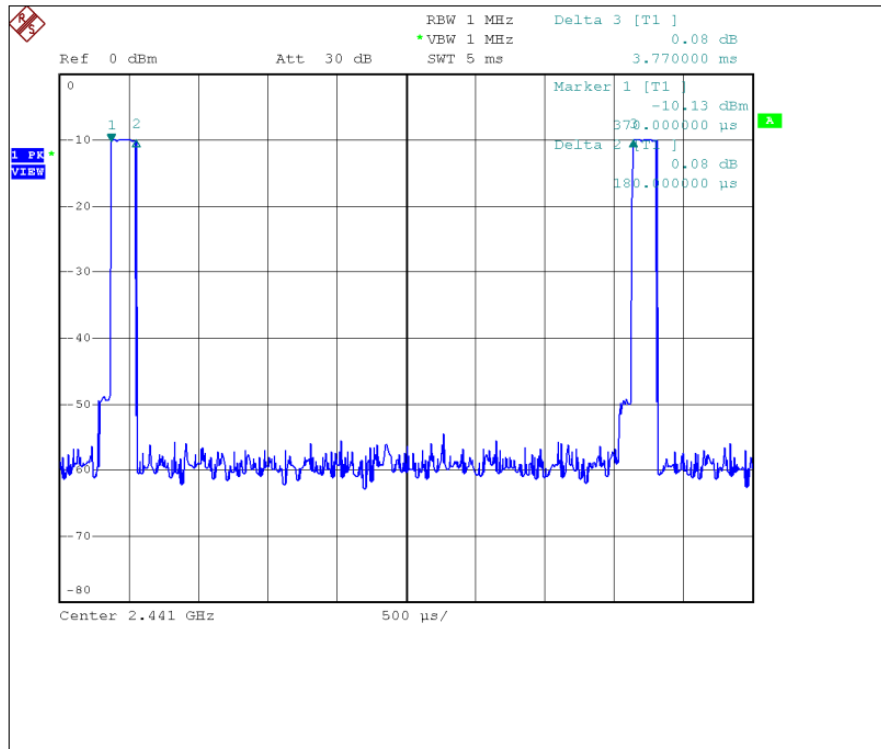


2402MHz



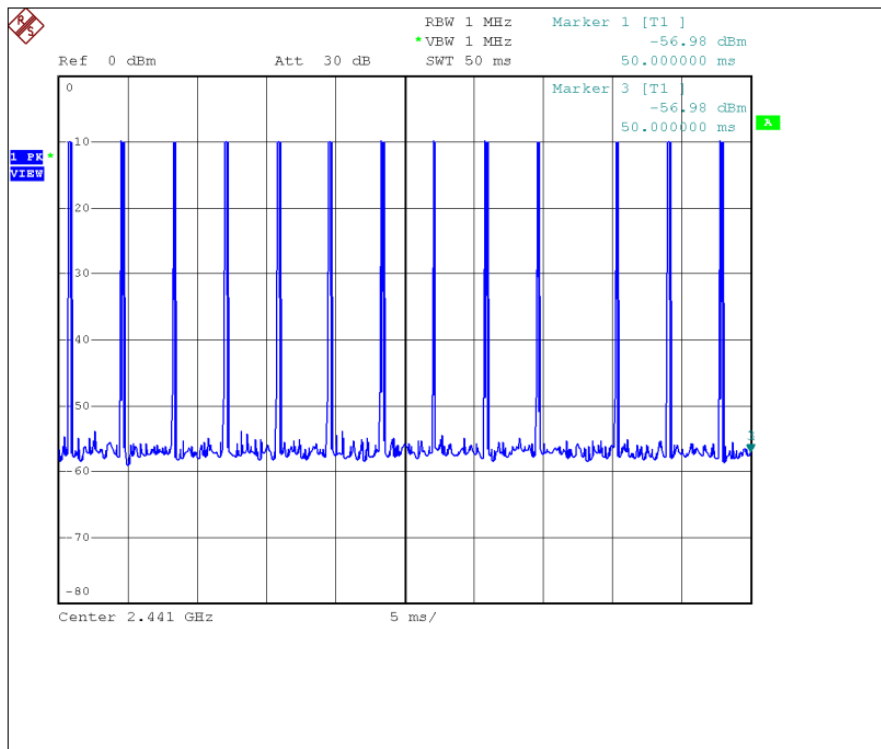
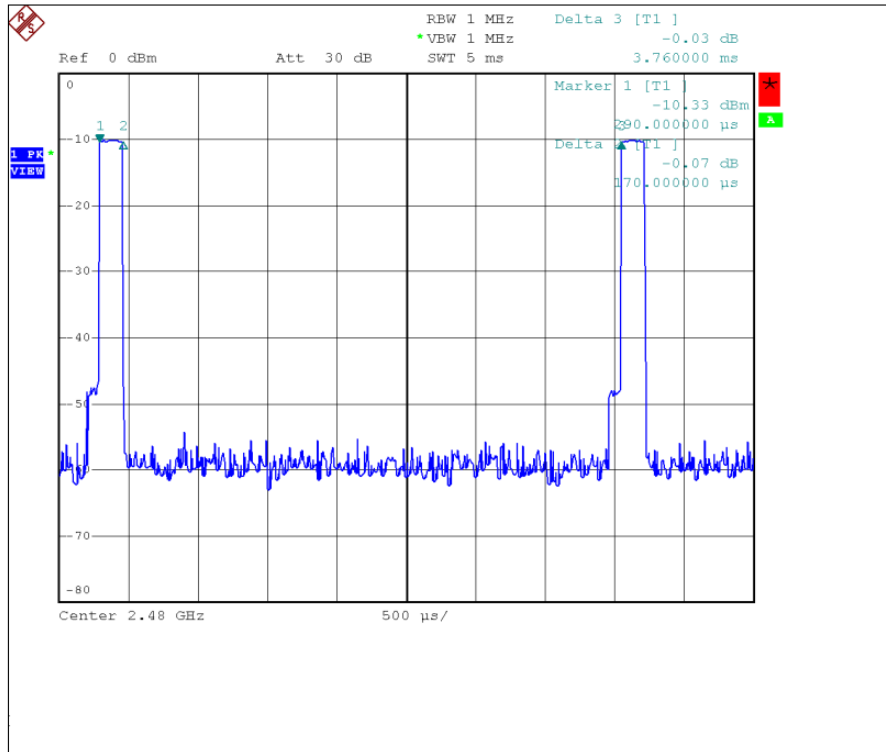


2441MHz





2480MHz





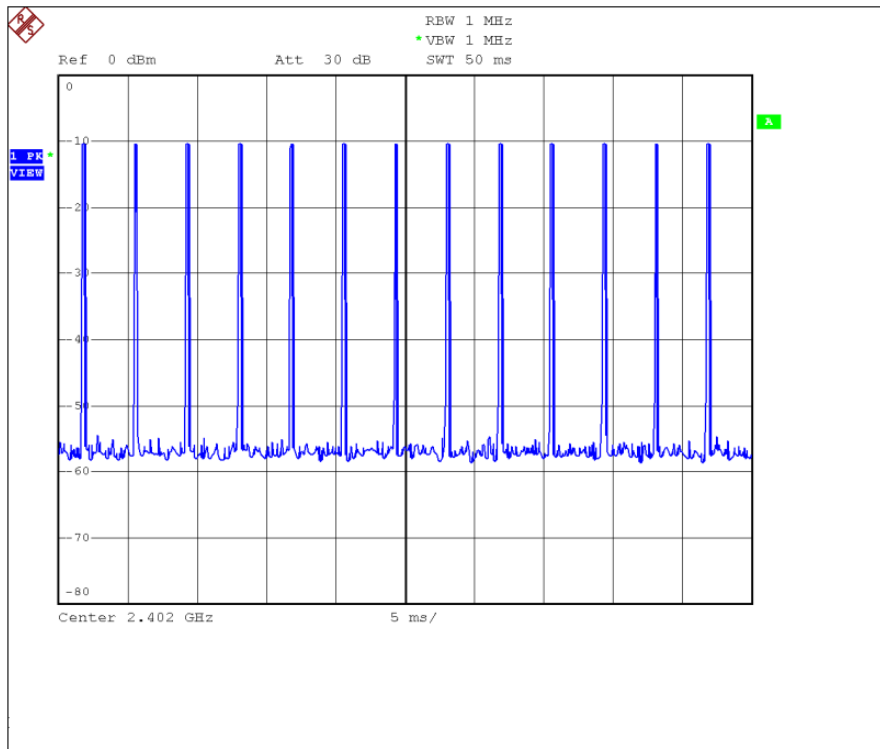
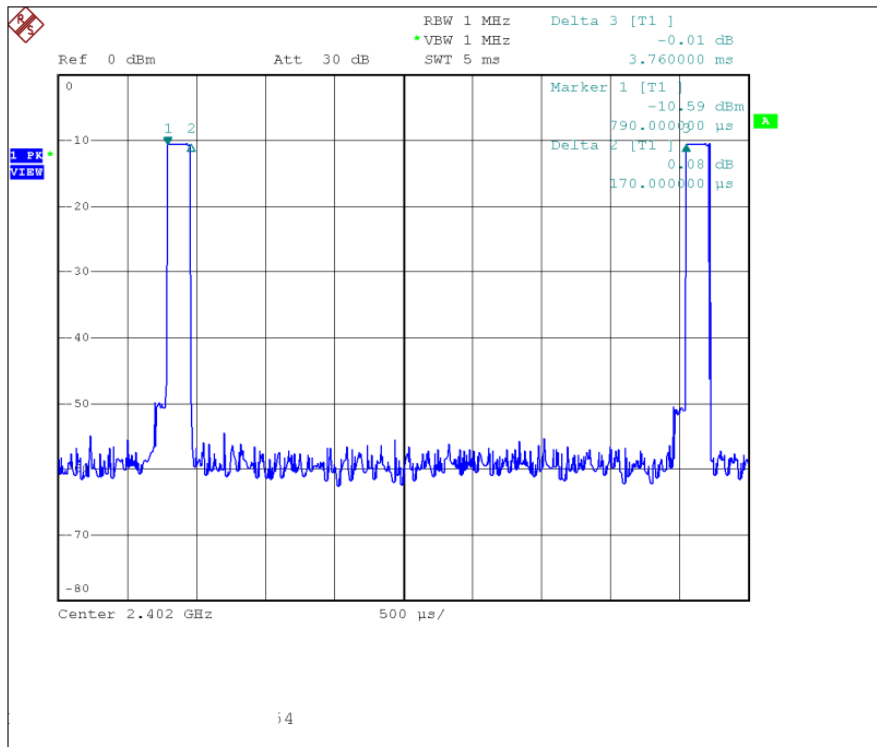
Test Item	Dwell time
Test Mode	Mode 2: Transmit By 3DH5
Test Date	2009-04-06

Frequency (MHz)	Measurement Level (ms)	Required Limit (sec.)	Result
2402	190.67	< 0.4	Pass
2441	190.67	< 0.4	Pass
2480	179.45	< 0.4	Pass



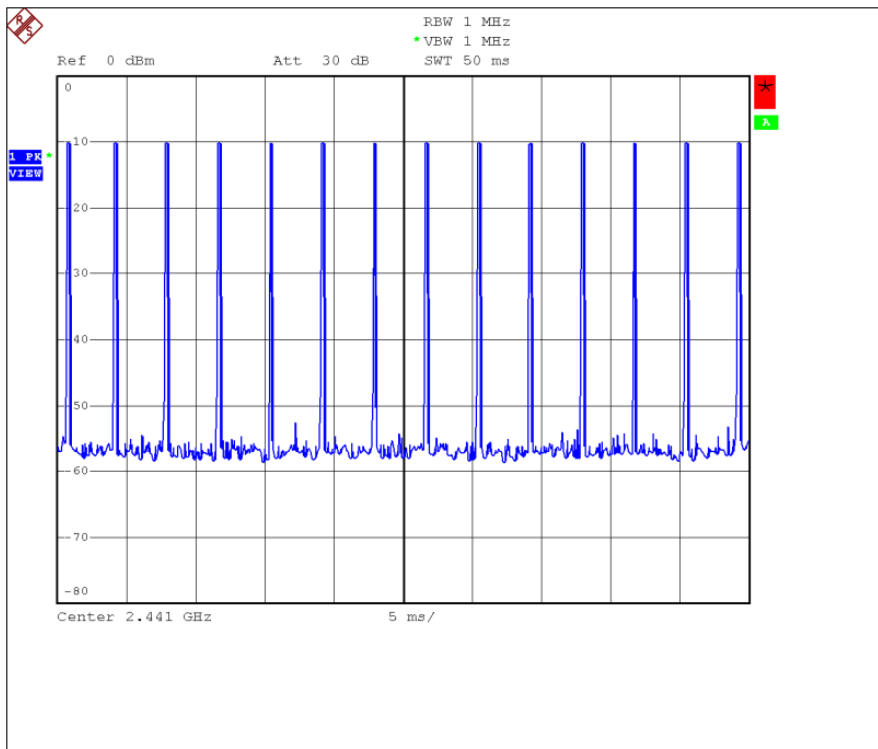
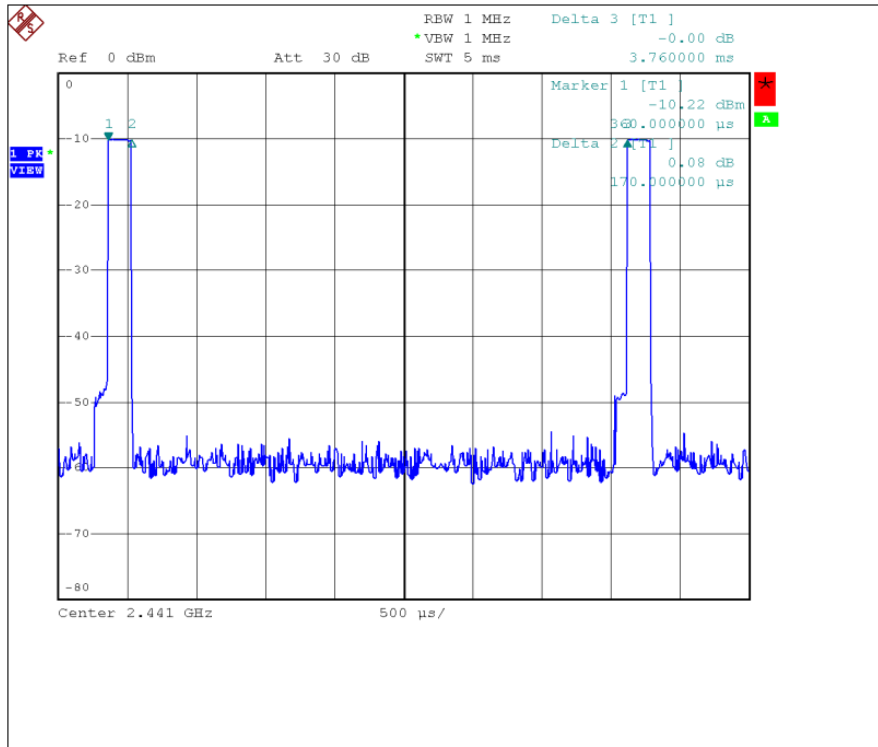


### 2402MHz



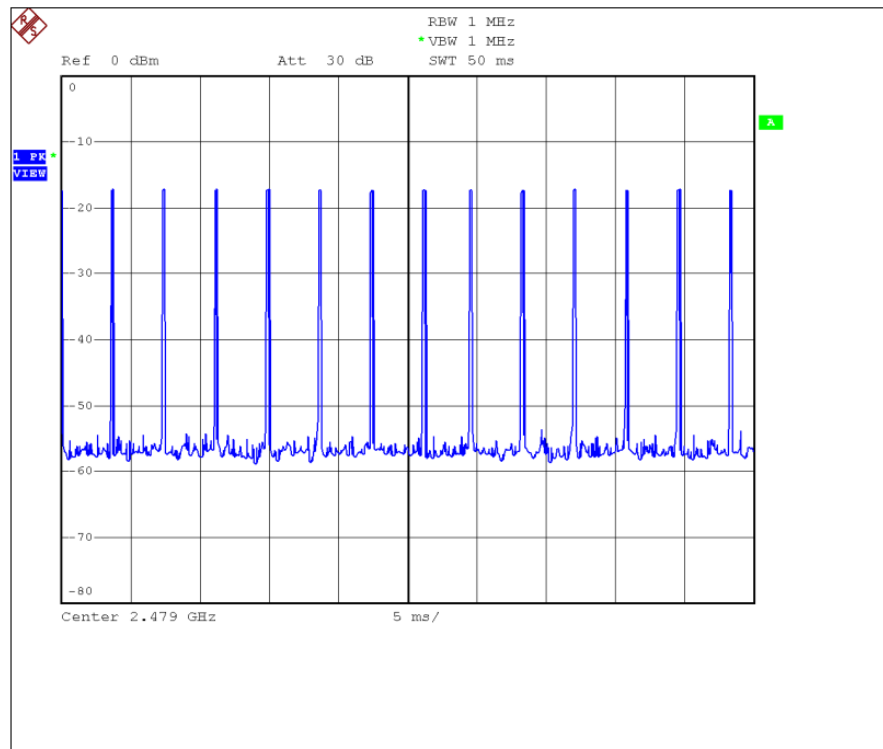
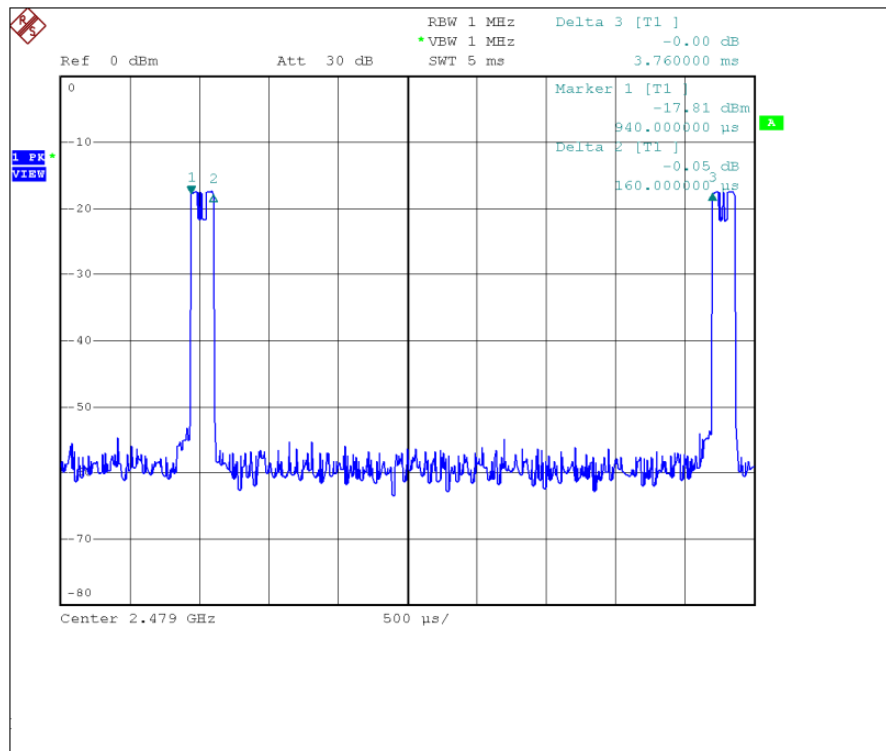


2441MHz





### 2480MHz





Occupancy Time of Frequency Hopping System

Test Time Period:  $0.4 \times 79 = 31.6\text{sec}$ , Hopping Times Within 1sec:  $14/5\text{msec} = 2800$  hops/sec.

A) 2402MHz The Maximum Occupancy Time Within 31.6sec:  $(168.98 \mu\text{s} \times 2800) / 79 \times 31.6 = 189.53\text{msec}$

B) 2441MHz The Maximum Occupancy Time Within 31.6sec:  $(180.00 \mu\text{s} \times 2800) / 79 \times 31.6 = 201.89\text{msec}$

C) 2480MHz The Maximum Occupancy Time Within 31.6sec:  $(170.00 \mu\text{s} \times 2800) / 79 \times 31.6 = 190.67\text{msec}$

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

PS: (1) From Bluetooth Specification, It Hops 1640 Times in 1sec. The Average Occupancy Time of Each 79 Channels is 1640/79 Times, Therefore, We Calculate The Maximum Occupancy Time (worse cars) As Below:

A) 2402Mhz The Occupancy Time of Each Pulse is 0.4msec, The Maximum Occupancy Time within 31.6sec is  $0.4\text{msec} \times 1640 / 79 \times 31.6 = 289.056\text{msec}$

B) 2441MHz The Occupancy Time of Each Pulse is 0.4msec, The Maximum Occupancy Time within 31.6sec is  $0.4\text{msec} \times 1640 / 79 \times 31.6 = 289.056\text{msec}$

C) 2480MHz The Occupancy Time of Each Pulse is 0.4msec, The Maximum Occupancy Time within 31.6sec is  $0.4\text{msec} \times 1640 / 79 \times 31.6 = 289.056\text{msec}$

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



## 9. Maximum Peak Output Power

### 9.1. Test Limit

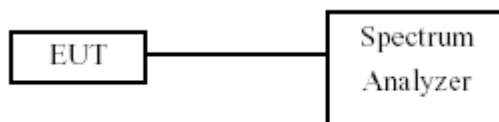
The maximum peak power shall be less 1Watt (30dBm).

The conducted output power limit is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of standard FCC part 15.247, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, by the amount in dB that the directional gain of the antenna exceeds dBi.

### 9.2. Test Procedure

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 9.3. Test Setup Layout



### 9.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10

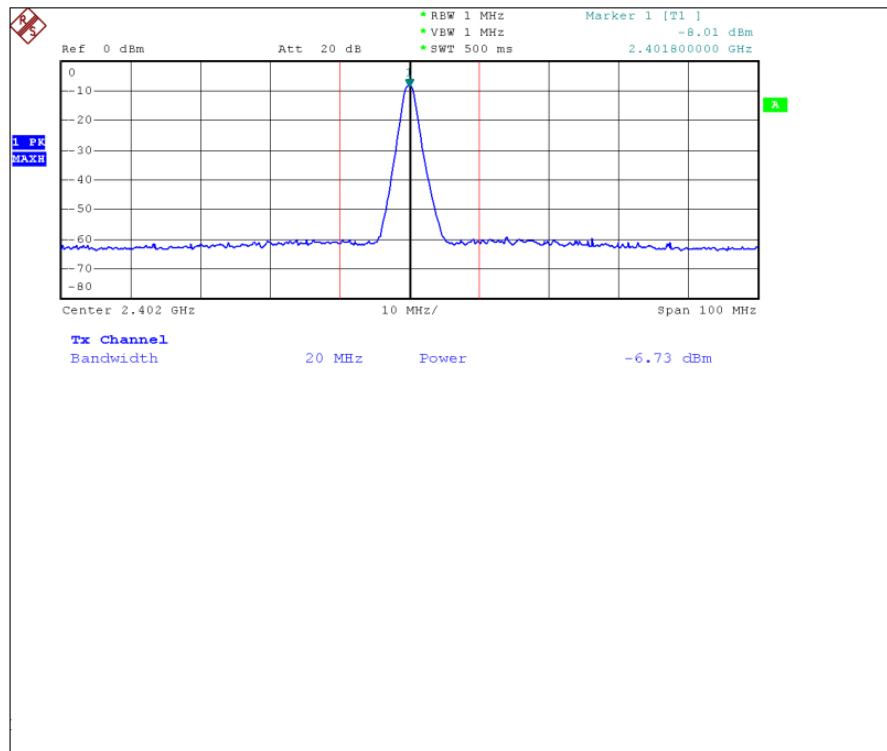


### 9.5. Test Result and Data

Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit By DH5
Test Date	2009-04-06

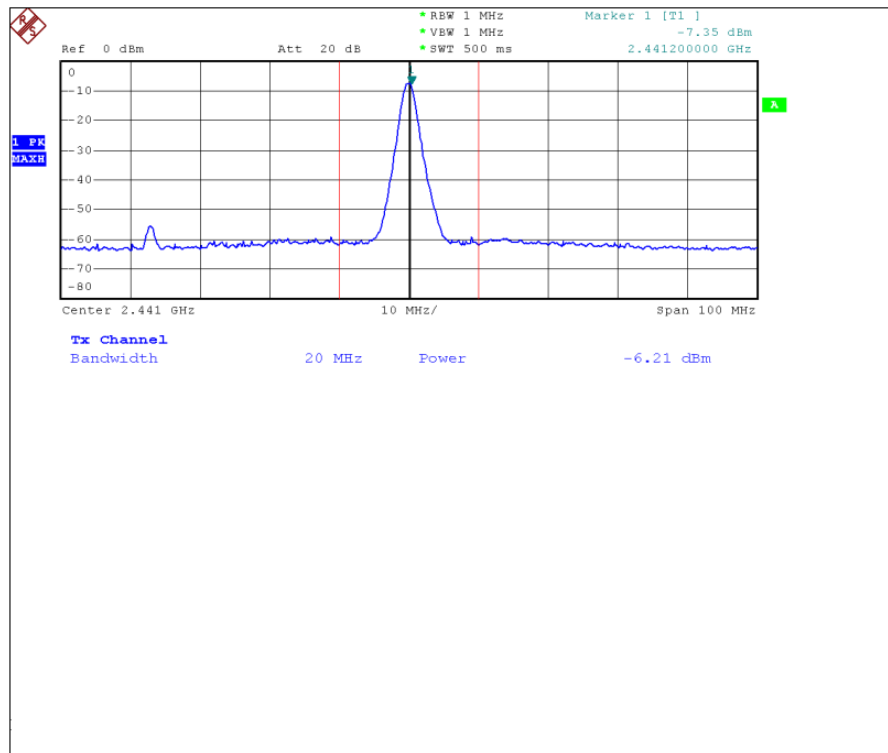
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
00	2402.00	-6.73	1 Watt= 30 dBm	Pass
39	2441.00	-6.21	1 Watt= 30 dBm	Pass
78	2480.00	-6.77	1 Watt= 30 dBm	Pass

2402MHz

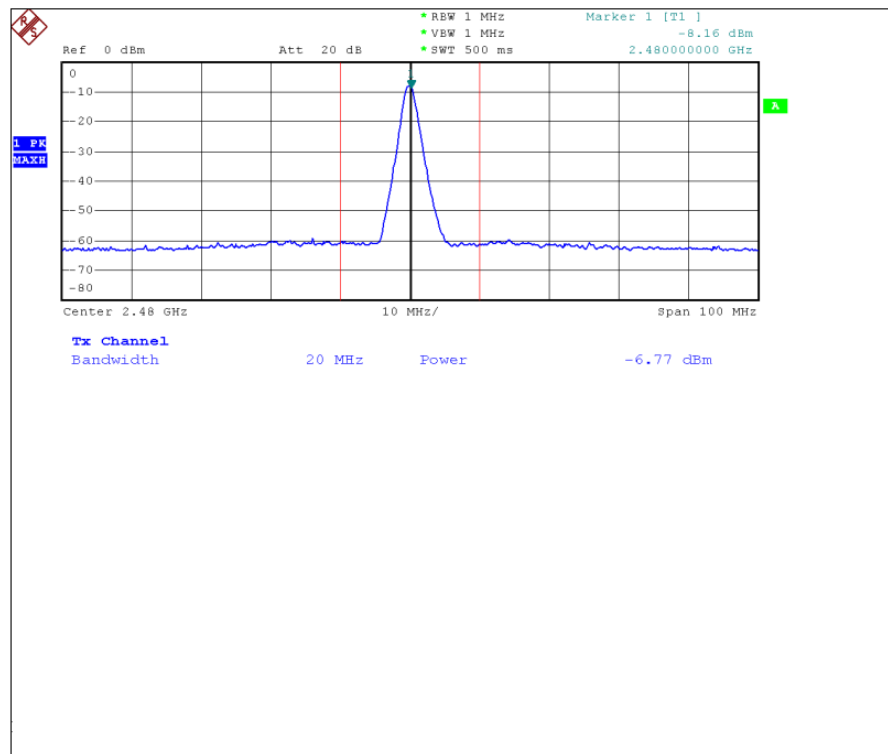




### 2441MHz



### 2480MHz

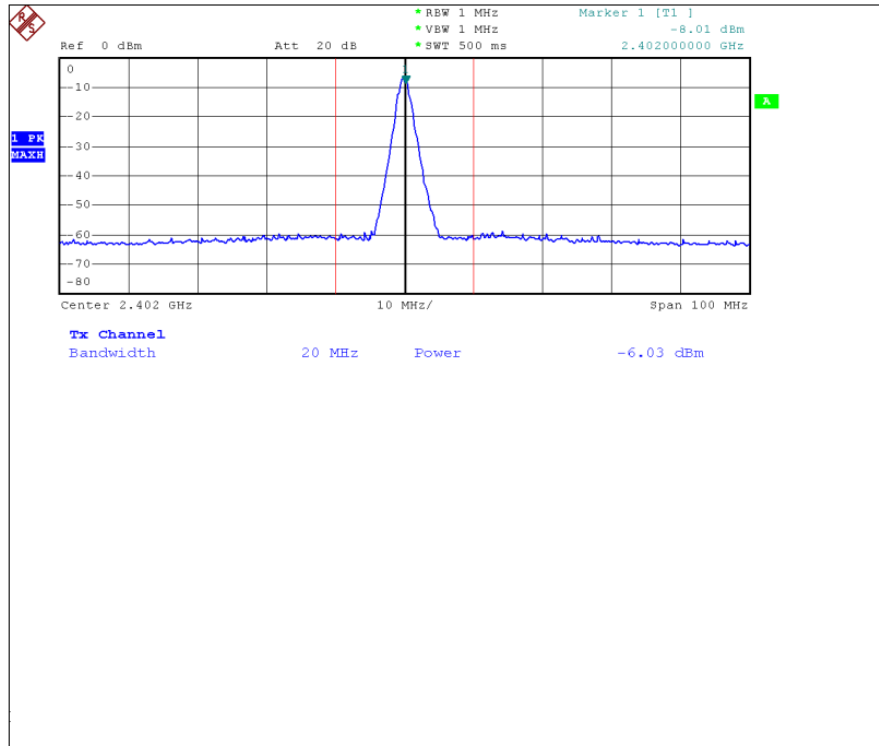




Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit By 3DH5
Test Date	2009-04-06

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
00	2402.00	-6.03	1 Watt= 30 dBm	Pass
39	2441.00	-6.25	1 Watt= 30 dBm	Pass
78	2480.00	-6.31	1 Watt= 30 dBm	Pass

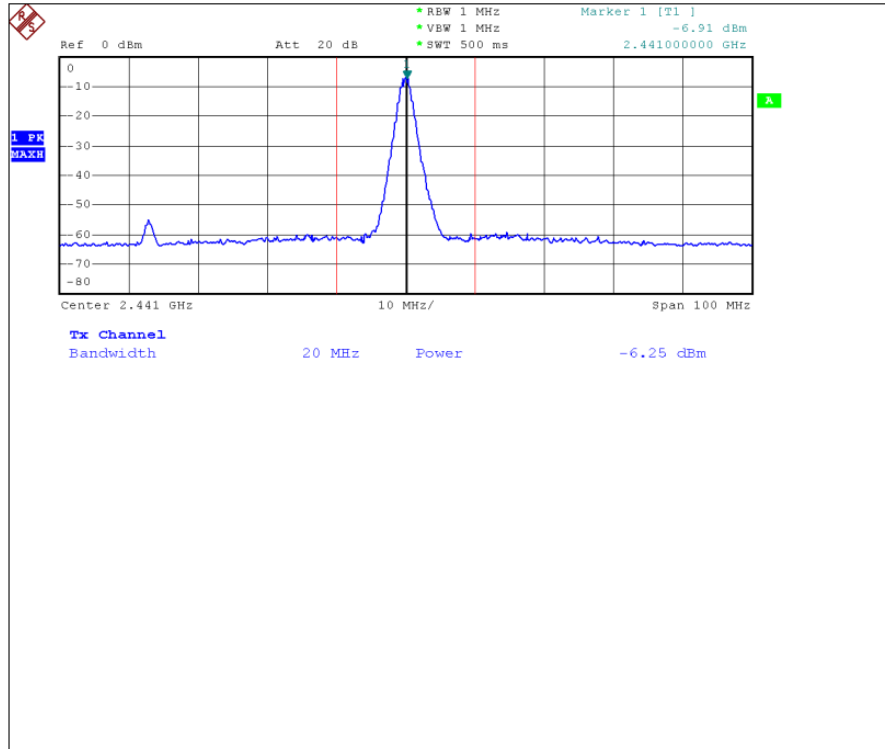
2402MHz



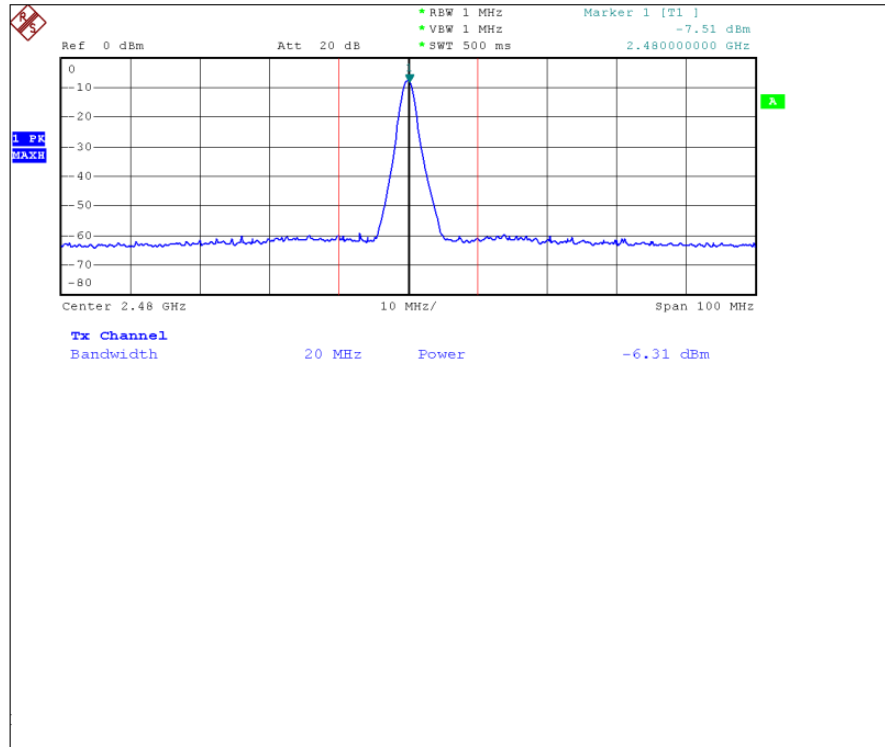




2441MHz



2480MHz





## 10. Band Edges

### 10.1. Test Limit

#### **For 15.215(C) requirement:**

Intentional radiators operating under the alternative provisions to the general emission limits as contained in 15.217 through 15.257 and in Subpart E of FCC part 15, must be designed to ensure that 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

#### **For 15.247(d) requirement:**

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 either an RF conducted or a 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)).

### 10.2. Test Procedure

#### **For RF Conducted Measurement:**

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c) Add a correction factor to the display, and then test.

#### **For RF Radiated Measurement:**

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 and 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 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

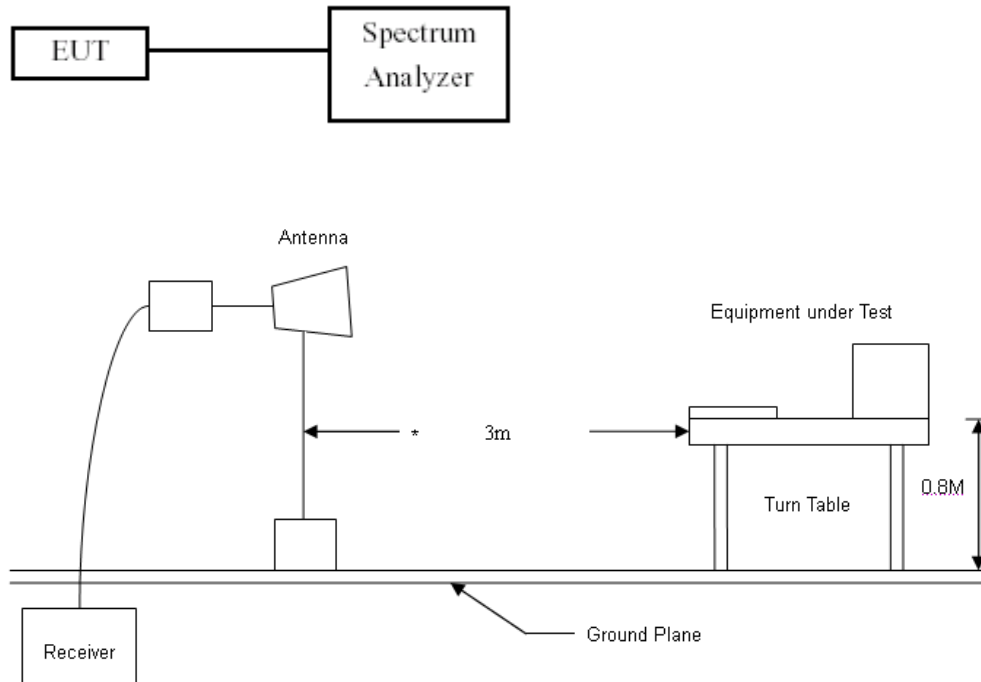
The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCI) is



120 kHz and above 1GHz is 1MHz.

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Connect a low loss RF cable from the antenna port to a spectrum analyzer.
- c. Add a correction factor to the display, and then test.

### 10.3.Test Setup Layout



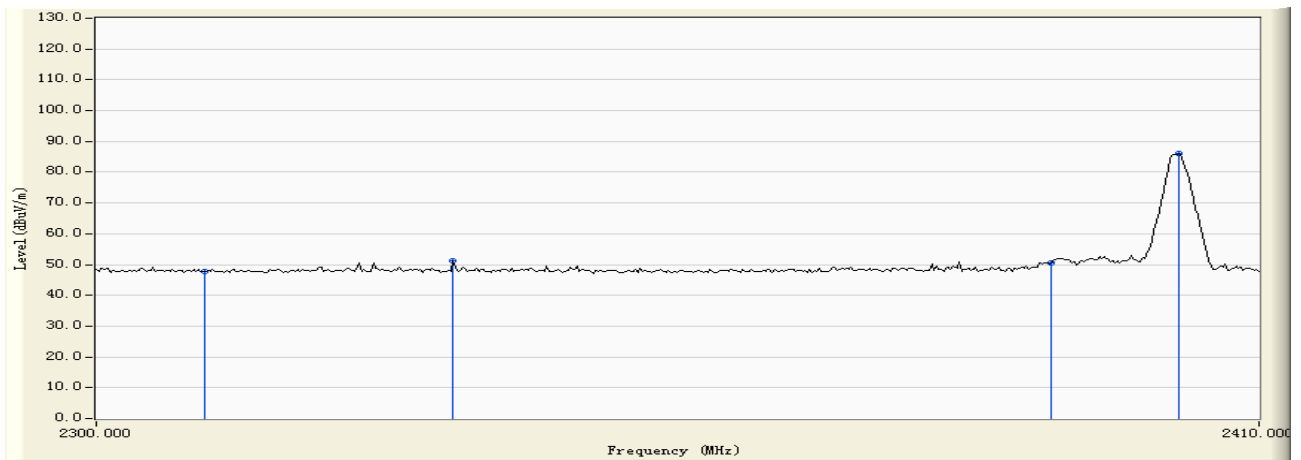
### 10.4.Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10
Preamplifier	Agilent	87405B	My39500553	2008.08.02
Preamplifier	R&S	PR-AMP26	1248791	2008.07.01
Ultra Broadband Antenna	R&S	HL562	100363	2008.07.01
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



### 10.5. Test Result and Data

Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:16
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2402MHz)



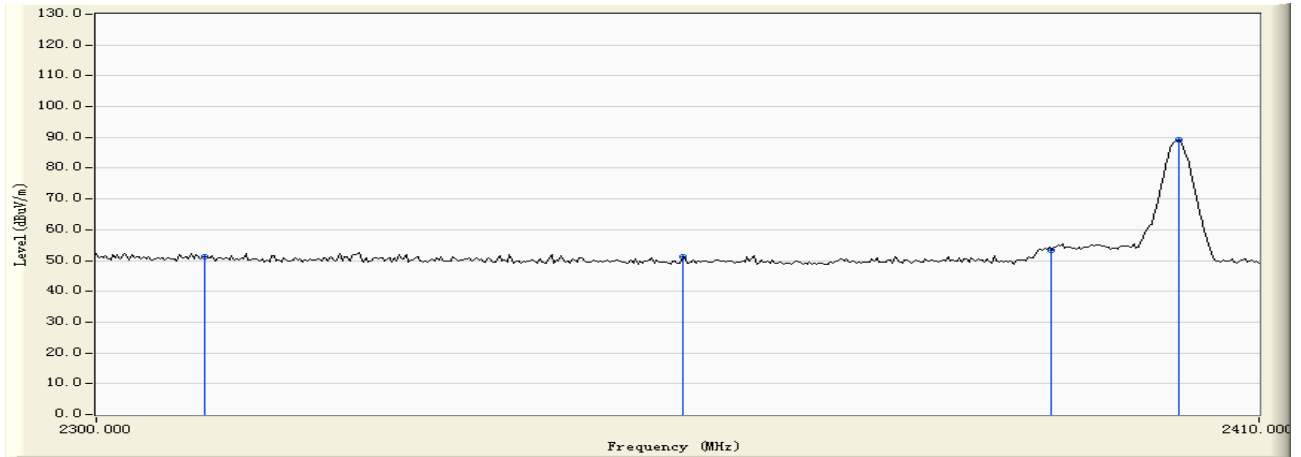
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	49.749	47.651	-26.319	73.970	PEAK
2		2333.220	-2.002	53.242	51.241	-22.729	73.970	PEAK
3		2390.000	-1.782	52.432	50.650	-23.320	73.970	PEAK
4	*	2402.300	-1.727	87.927	86.200	12.230	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:21
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 1:Transmit by Bluetooth DH5 (2402MHz)



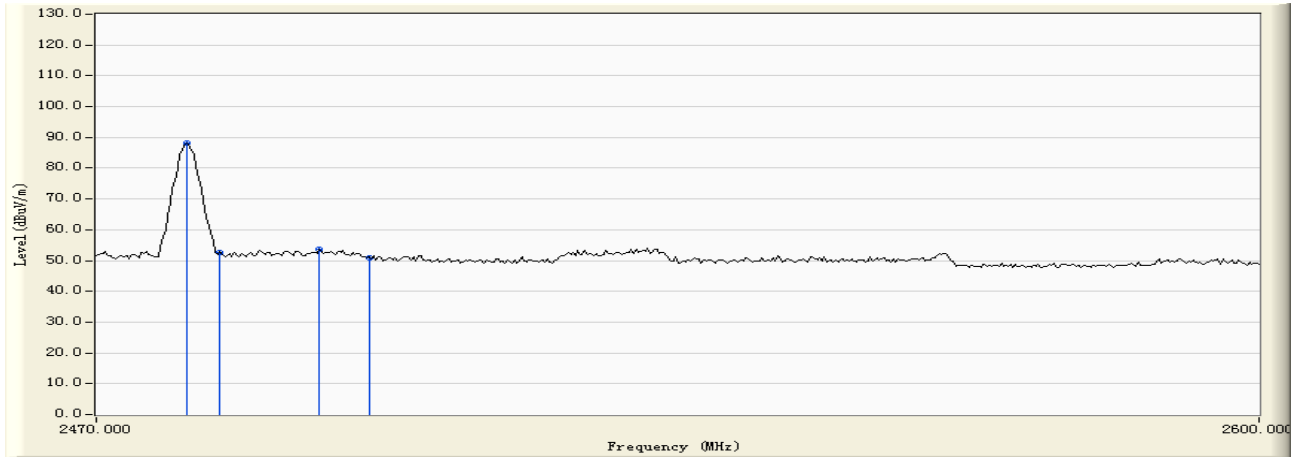
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	53.275	51.177	-22.793	73.970	PEAK
2		2354.780	-1.923	53.213	51.290	-22.680	73.970	PEAK
3		2390.000	-1.782	55.050	53.268	-20.702	73.970	PEAK
4	*	2402.300	-1.727	90.825	89.098	15.128	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:36
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2480MHz)



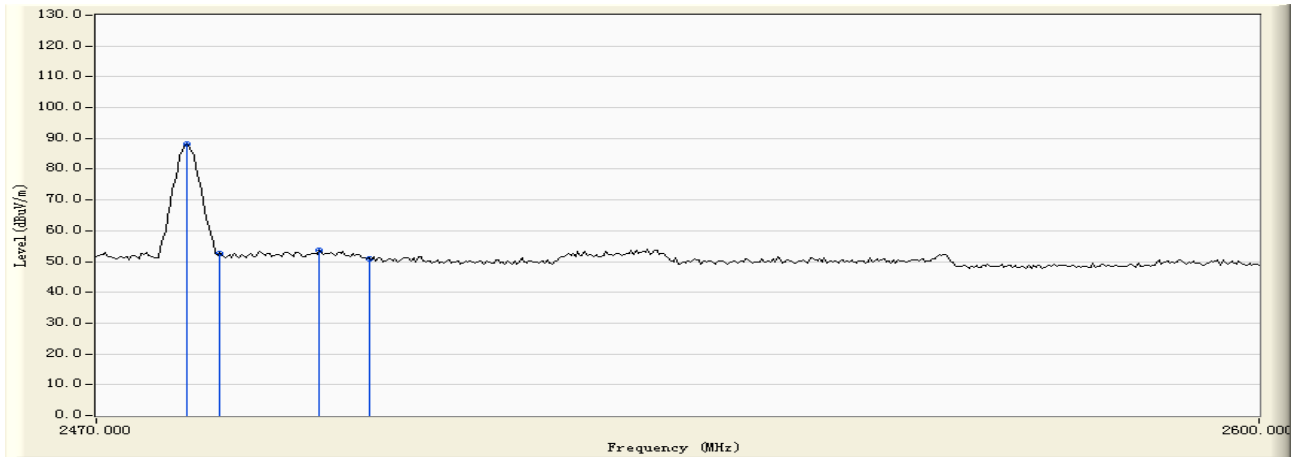
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2479.880	-1.403	89.541	88.138	14.168	73.970	PEAK
2		2483.500	-1.388	54.132	52.743	-21.227	73.970	PEAK
3		2494.440	-1.335	54.996	53.661	-20.309	73.970	PEAK
4		2500.000	-1.320	52.362	51.042	-22.928	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:41
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by Bluetooth DH5 (2480MHz)



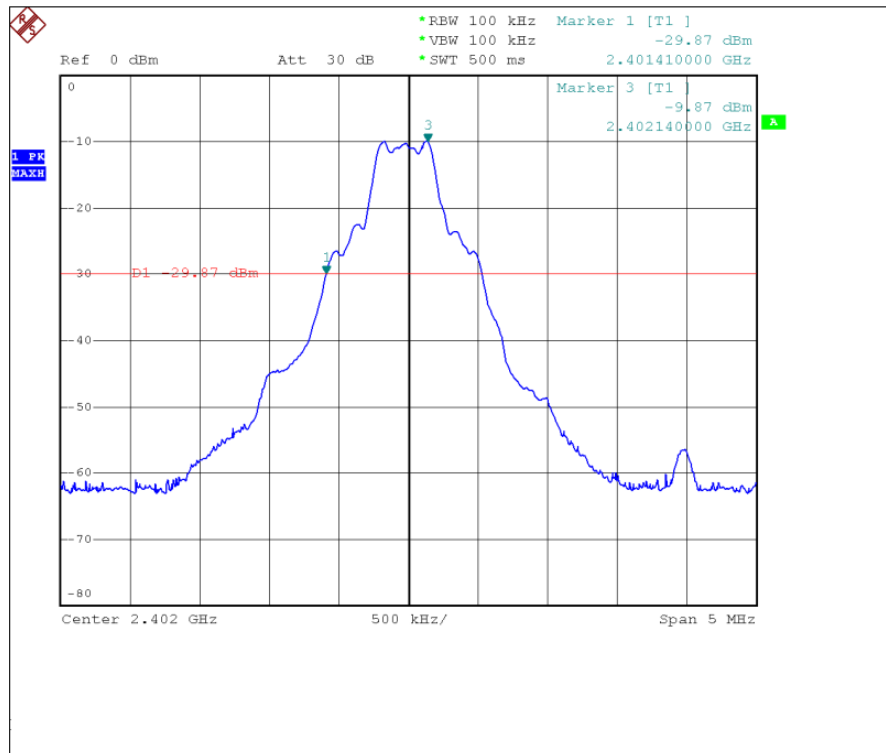
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2479.880	-1.403	89.541	88.138	14.168	73.970	PEAK
2		2483.500	-1.388	54.132	52.743	-21.227	73.970	PEAK
3		2494.440	-1.335	54.996	53.661	-20.309	73.970	PEAK
4		2500.000	-1.320	52.362	51.042	-22.928	73.970	PEAK

Note:

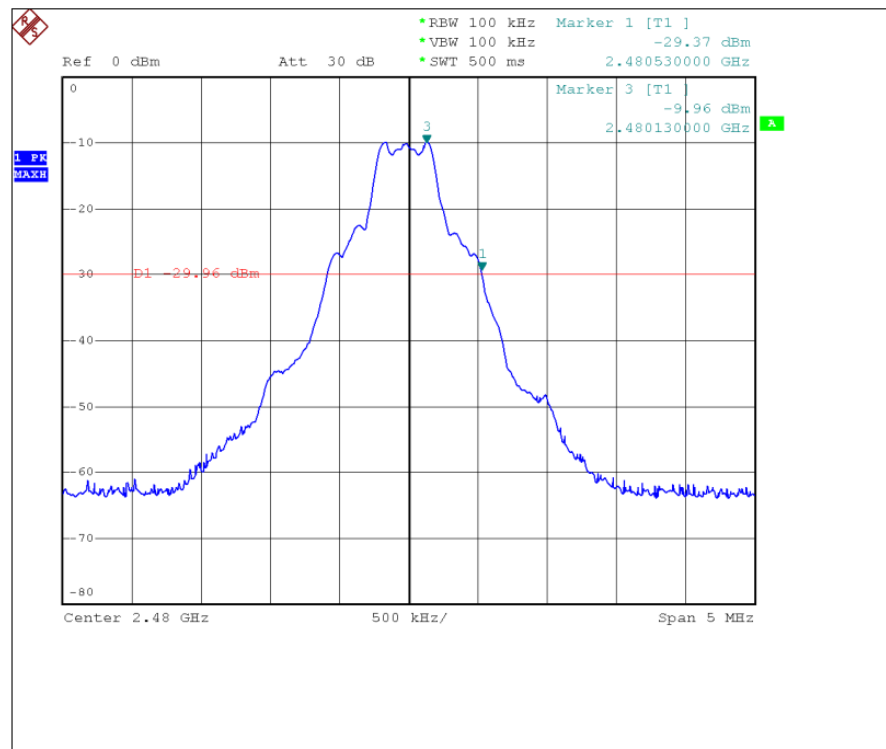
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



### Band Edge (20dBc RF Conducted Measurement) Mode 1: Transmit by Bluetooth DH5 (2402MHz)



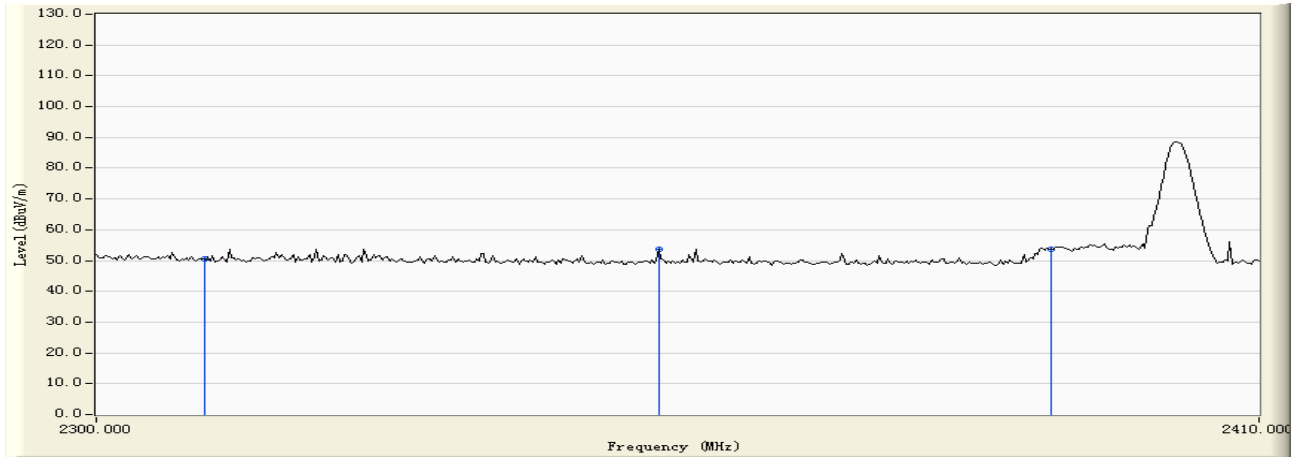
### Band Edge (20dBc RF Conducted Measurement) Mode 1: Transmit by Bluetooth DH5 (2480MHz)







Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:26
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5( 2402MHz)



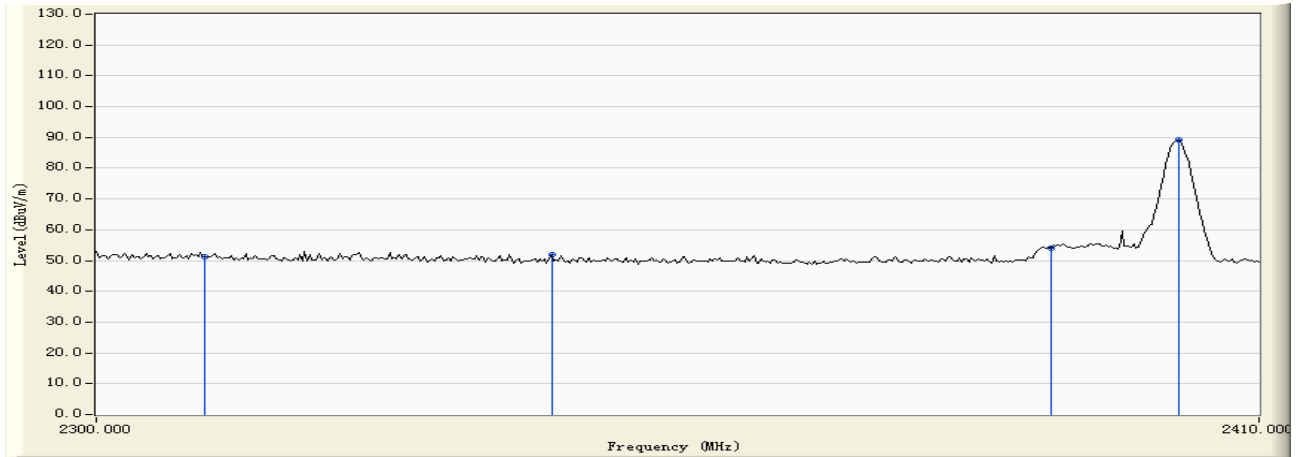
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	52.532	50.434	-23.536	73.970	PEAK
2	*	2352.580	-1.931	55.598	53.667	-20.303	73.970	PEAK
3		2390.000	-1.782	55.387	53.605	-20.365	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:31
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5( 2402MHz)



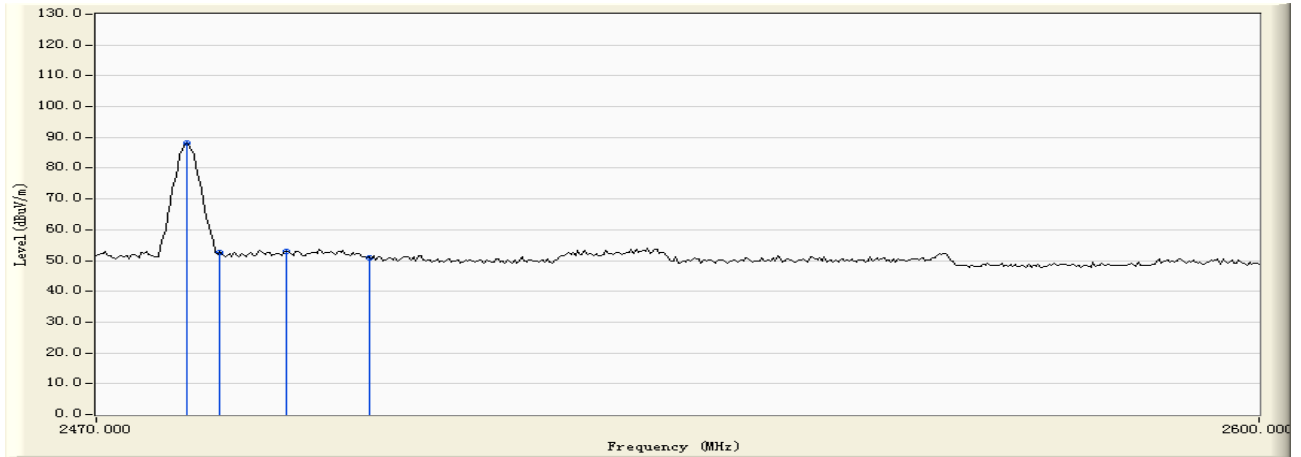
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	53.275	51.177	-22.793	73.970	PEAK
2		2342.460	-1.965	53.907	51.942	-22.028	73.970	PEAK
3		2390.000	-1.782	55.668	53.886	-20.084	73.970	PEAK
4	*	2402.300	-1.727	90.825	89.098	15.128	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:46
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5( 2480MHz)



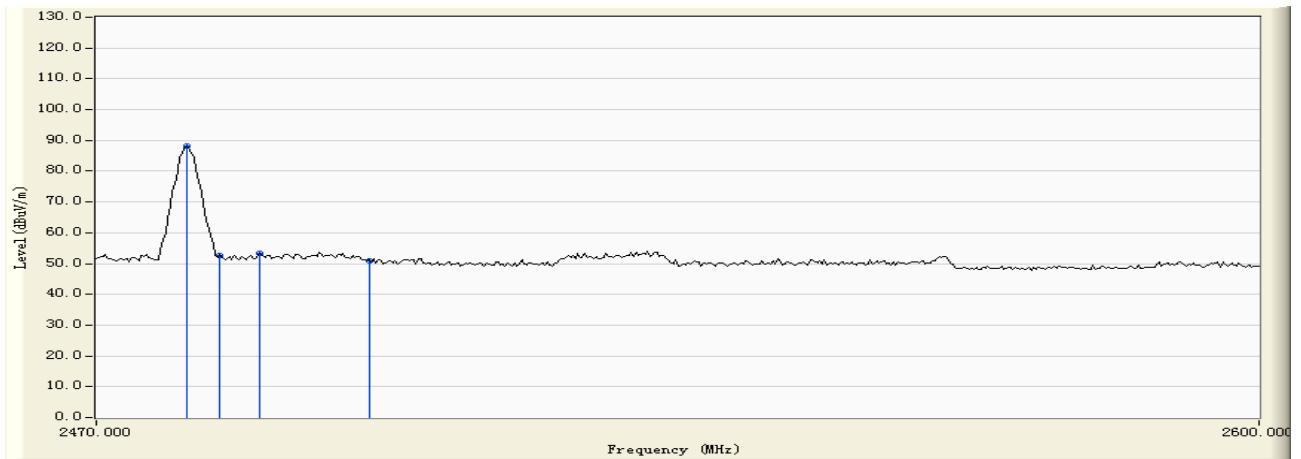
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2479.880	-1.403	89.541	88.138	14.168	73.970	PEAK
2		2483.500	-1.388	54.132	52.743	-21.227	73.970	PEAK
3		2490.800	-1.353	54.480	53.127	-20.843	73.970	PEAK
4		2500.000	-1.320	52.362	51.042	-22.928	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:51
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by Bluetooth 3DH5( 2480MHz)



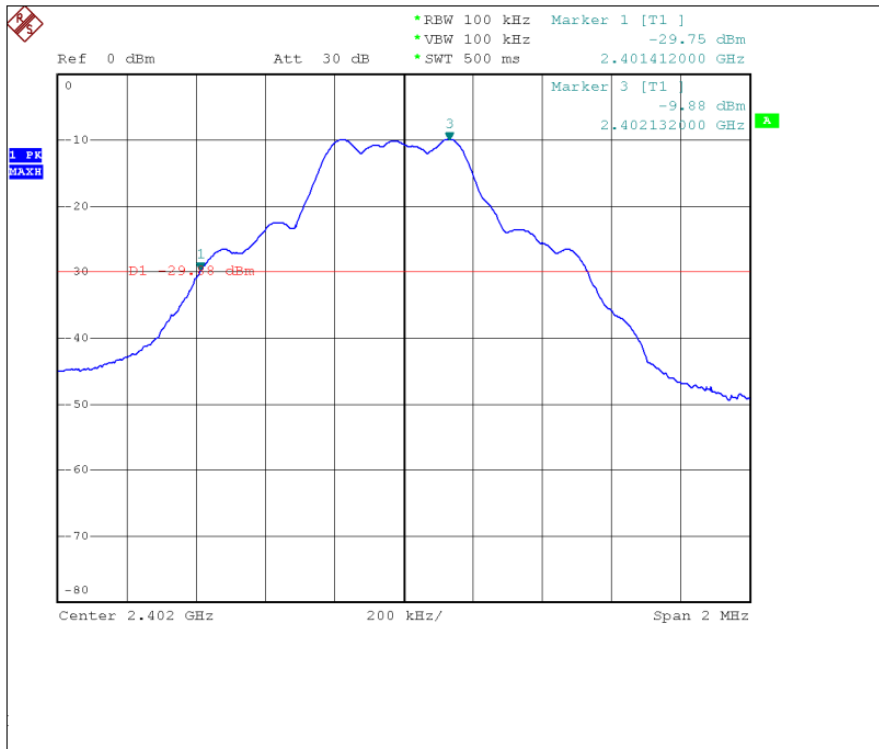
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2479.880	-1.403	89.541	88.138	14.168	73.970	PEAK
2		2483.500	-1.388	54.132	52.743	-21.227	73.970	PEAK
3		2487.940	-1.367	54.688	53.320	-20.650	73.970	PEAK
4		2500.000	-1.320	52.362	51.042	-22.928	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



### Band Edge (20dBc RF Conducted Measurement) Mode 2: Transmit by Bluetooth 3DH5(2402)MHz



### Band Edge (20dBc RF Conducted Measurement) Mode 2: Transmit by Bluetooth 3DH5 (2480MHz)

