



NVLAP LAB CODE 200707-0



FCC PART 15.247

MEASUREMENT AND TEST REPORT

For

Sunitec Enterprise Co., Ltd.

10F.-1, No.200, Jingping Rd, Jhonghe City, Taipei County

FCC ID: RA8-BS002

Report Type: Original Report	Product Type: Bluetooth Stereo Headset
Test Engineer: Phoenix Liu	<i>Phoenix Liu</i>
Report Number: RSZ08101605	
Report Date: 2008-12-22	
Reviewed By: Green Xu	<i>Green Xu</i>
Prepared By: EMC Manager	
Prepared By: Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008	

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* This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk “*”

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *Sunitec Enterprise Co., Ltd.*'s product, *FCC ID: RA8-BS002* model: *BS300A; BS300B* or the "EUT" as referred to in this report is a *Bluetooth Stereo Headset* which measures approximately 5.6 cm L x 3.3 cm W x 2.1 cm H, rated input voltage: 3.7 V rechargeable lithium-ion battery

Technical Specification:

FM Transmitter		
1	Operating Frequency Band	88.1~107.9 MHz
2	Channel Step	100KHz
3	Output power	-2dBm
4	Antenna	PCB Layout
5	Antenna Gain	0dBi

Bluetooth		
1	Bluetooth specification	V2.+EDR
2	Operating Frequency Band	2.402-2.480 GHZ
3	Output power class 2	Class 2
4	Modulation	GFSK
5	Crystal	26 MHz
6	Transmitter Power	4dBm max
7	Antenna	PCB Layout
8	Antenna Gain	0dBi
9	Bluetooth function range	10m Max.

The models *BS300A; BS300B* have the same circuit diagram and PCB layout, model *BS300B* was selected to test.

** All measurement and test data in this report was gathered from production sample serial number: 0810068 (Assigned by BACL, Shenzhen). The EUT was received on 2008-10-16.*

Objective

This Type approval report is prepared on behalf of *Sunitec Enterprise Co., Ltd.* in accordance with Part 2, Subpart J, Part 15, Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.109, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

FCC ID: RA8-BS002, Part15.239 submission of FM Transmitter.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 04, 2004. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Shenzhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0).



NVLAP LAB CODE 200707-0

The current scope of accreditations can be found at <http://ts.nist.gov/Standards/scopes/2007070.htm>

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user).

Equipment Modifications

No modification was made to the unit tested.

Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	FCC ID
DELL	PC	DELL 170L	CN-0TC670-70821-560-F4WQ	DoC
Intel	CPU	Celeron D-2533	N/A	N/A
ProMOS	Memory	V826632K24SATG-C0	0525-K1933700	N/A
DELL	Motherboard	OWC297	CN-OWC297-70821-566-02BR	DoC
DELL	Power	NPS-250KB D	CN-0H2678-17972-56E8NBM	DoC
Seagate	Hard Disk	ST340014A	5JXK3NAD	DoC
DELL	3.5' Floppy	N/A	CN-0N8893-69802-54Q-02OZ	DoC
Lite-ON	CD-Rom	LTN-489S	N/A	DoC
Intel	Ethernet	PRO 10/100 VE	N/A	DoC

Local Support Equipment List and Details

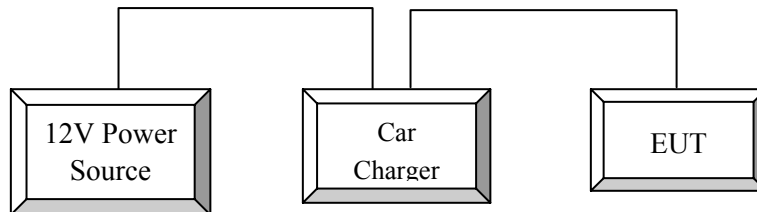
Manufacturer	Description	Model	Serial Number	FCC ID
DELL	Keyboard	SK-8110	CN07N244-71616-56I-1100	DoC
DELL	Mouse	M071KC	519046820	DoC
DELL	LCD Monitor	1505FP	Y4287-7168-574-GBSH	DoC
HP	Laser Jet5L	C3941A	JPTVOB2337	DoC
ECOM	Modem	EM-56DEV	6588D51200013	DoC

External I/O Cable

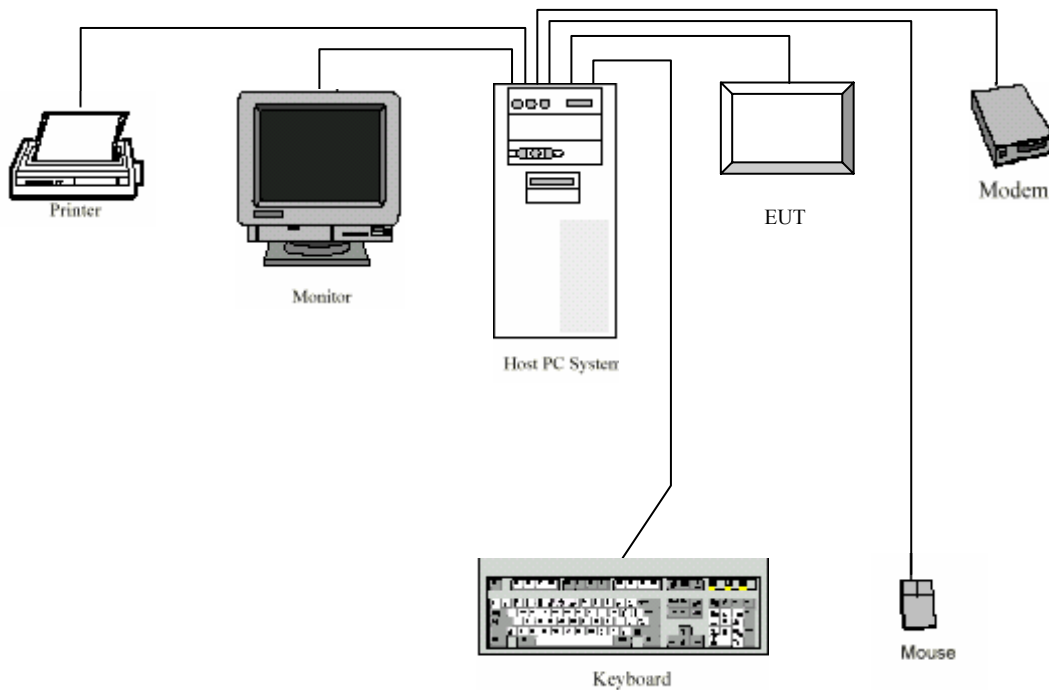
Cable Description	Length (m)	From Port	To
Shielded Detachable K/B Cable	1.5	K/B Port	K/B
Shielded Detachable Mouse Cable	1.5	Mouse Port	Mouse
Shielded Detachable Printer Cable	1.5	Parallel Port	Printer
Shielded Detachable Serial Cable	1.5	Serial Port	Modem
Shielded Detachable VGA Cable	1.5	VGA Port	Monitor
Unshilded Detachable USB Cable	1.0	PC/ Car Charger	EUT

Configuration of Test Setup

Radiated Emission (Charging):

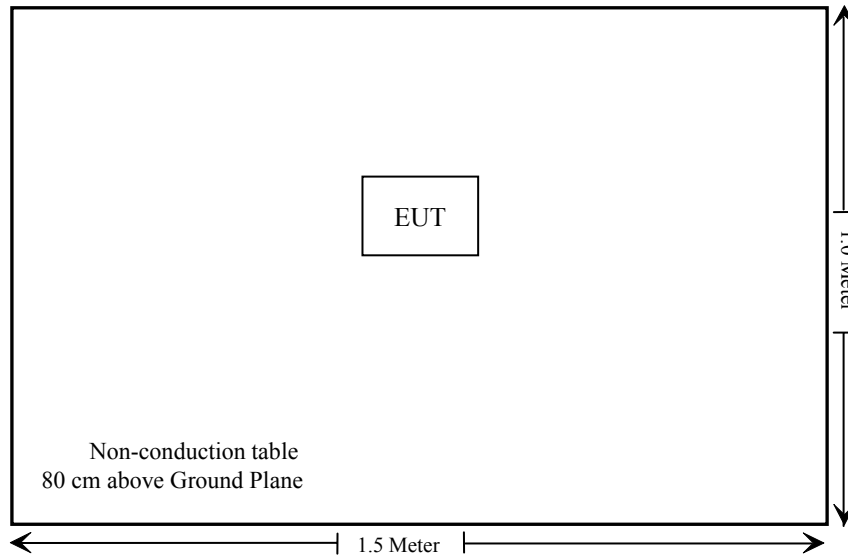


Conducted Emission (PC Charging):

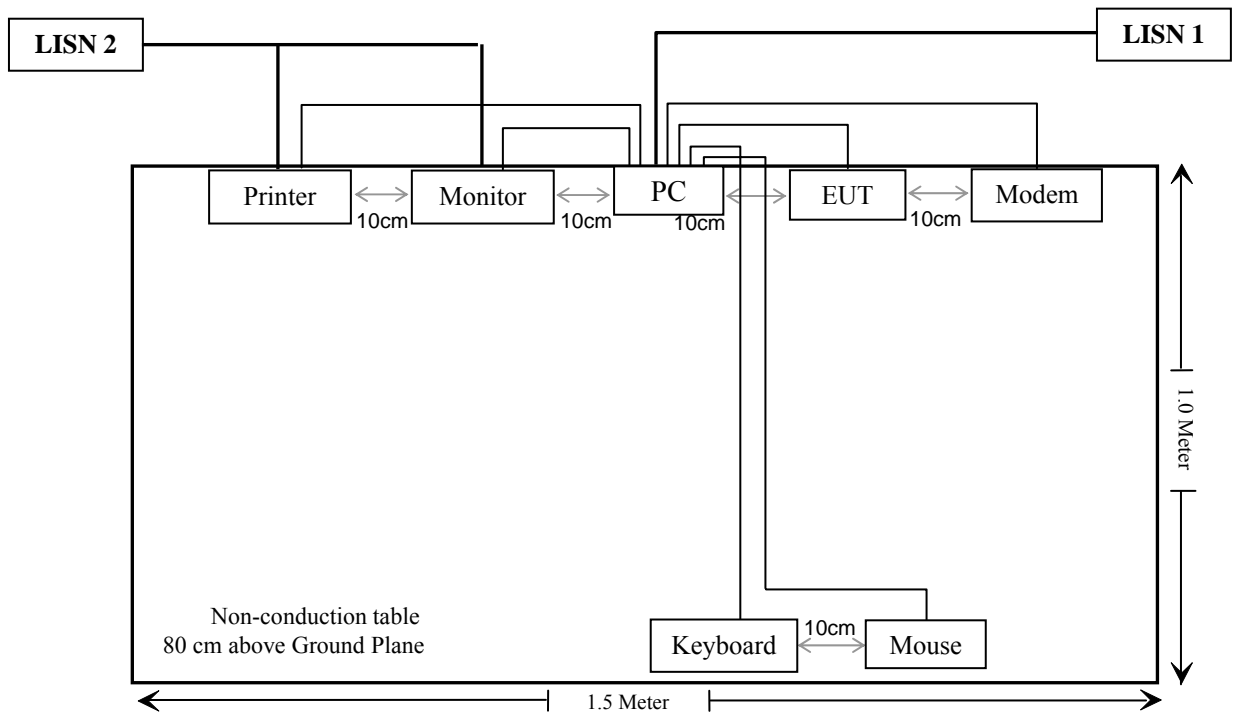


Block Diagram of Test Setup

Radiated Emission:



Conducted Emission:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §1.1307 (b)(1)	RF Radiation exposure	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	Conducted Emissions	Compliant
§15.205, §15.209, §15.109, §15.247(d)	Radiated Emission	Compliant
§15.247 (a)(1)	20 dB Bandwidth	Compliant
§15.247(a)(1)	Channel Separation Test	Compliant
§15.247(a)(1)(iii)	Time of occupancy (Dwell Time)	Compliant
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliant
§15.247(b)(1)	Peak Output Power Measurement	Compliant
§15.247(d)	Band edges	Compliant

CFR47 §15.247 (i) & §2.1093 – RF EXPOSURE

Standard Applicable

According to § 1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to FCC Exclusion list, in the following table, f_{GHz} is mid-band frequency in GHz, and d is the distance to a person's body, excluding hands, wrists, feet, and ankles.

Exposure category	<u>low threshold</u>	<u>high threshold</u>
general population	$(60/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(120/f_{\text{GHz}})$ mW, $d \geq 2.5$ cm	$(900/f_{\text{GHz}})$ mW, $d < 20$ cm
occupational	$(375/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(900/f_{\text{GHz}})$ mW, $d \geq 2.5$ cm	$(2250/f_{\text{GHz}})$ mW, $d < 20$ cm

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

Result:

This is a portable device and the Max peak output power is $2.16 \text{ mW} < 24.58 \text{ mW} = (60/2.441 \text{ GHz}) \text{ mW}$

The SAR measurement is not required.

CFR47 §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to CFR47 § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has a printed antenna on PCB. The maximum gain is 0 dBi; please refer to the internal photos.

Result: Compliance.

CFR47 §15.207 (a) - CONDUCTED EMISSIONS

Applicable Standard

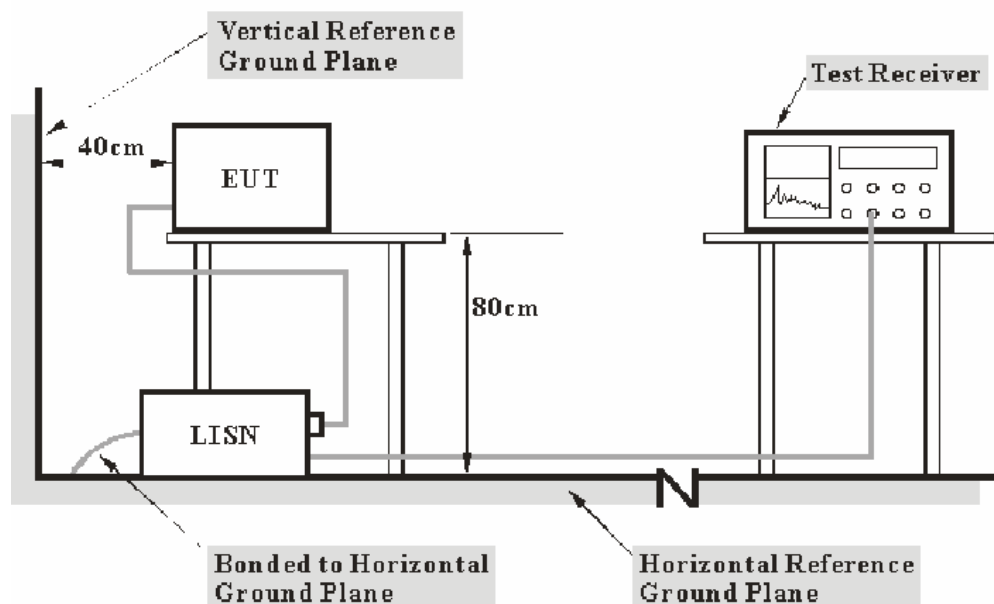
CFR47 §15.207

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Laboratory Corp. (Shenzhen) is ± 2.4 dB.

EUT Setup



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

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The Host PC EUT was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

<i>Frequency Range</i>	<i>IF B/W</i>
150 kHz – 30 MHz	9 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Com-Power	L.I.S.N.	LI-200	12005	N/A	N/A
Com-Power	L.I.S.N.	LI-200	12208	N/A	N/A
Rohde & Schwarz	EMI Test Receiver	ESCS30	DE25330	2008-03-25	2009-03-25
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2008-03-25	2009-03-25

* Com-Power's LISN were used as the supporting equipment.

* **Statement of Traceability:** Bay Area Compliance Laboratory Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

15.80 dB at 0.2400 MHz in the **Neutral** conductor mode

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

* The testing was performed by Phoenix Liu on 2008-12-12.

Line Conducted Emissions				FCC Part 15.207	
Frequency (MHz)	Amplitude (dB μ V)	Detector (QP/AV)	Conductor (Line/Neutral)	Limit (dB μ V)	Margin (dB)
0.2400	36.30	AV	Neutral	52.10	15.80
0.2400	34.70	AV	Line	52.10	17.40
1.4400	25.30	AV	Neutral	46.00	20.70
7.7450	39.10	QP	Neutral	60.00	20.90
1.4400	34.30	QP	Neutral	56.00	21.70
8.3850	38.20	QP	Neutral	60.00	21.80
0.3600	26.60	AV	Line	48.73	22.13
0.2400	39.20	QP	Neutral	62.10	22.90
1.4400	22.40	AV	Line	46.00	23.60
6.2350	35.60	QP	Neutral	60.00	24.40
0.2400	37.60	QP	Line	62.10	24.50
14.9850	25.20	AV	Line	50.00	24.80
6.3550	24.80	AV	Line	50.00	25.20
1.4400	30.70	QP	Line	56.00	25.30
6.3550	34.60	QP	Line	60.00	25.40
5.7550	24.60	AV	Line	50.00	25.40
5.7550	33.80	QP	Line	60.00	26.20
14.9850	32.90	QP	Line	60.00	27.10
0.3600	31.20	QP	Line	58.73	27.53
7.6750	21.90	AV	Neutral	50.00	28.10
0.2600	33.10	QP	Neutral	61.43	28.33
6.2350	21.60	AV	Neutral	50.00	28.40
8.3850	20.70	AV	Neutral	50.00	29.30
0.2600	16.80	AV	Neutral	51.43	34.63

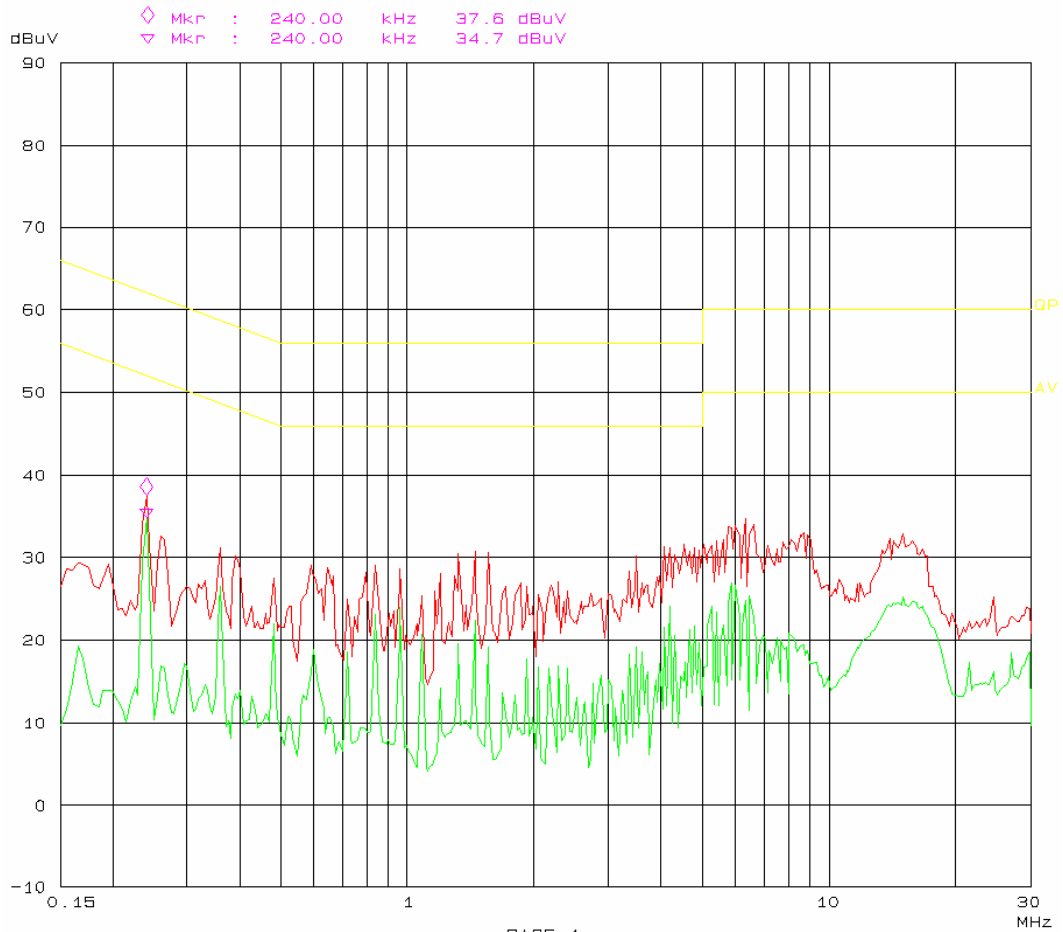
Plot(s) of Test Data

Plot(s) of Test Data is presented hereinafter as reference.

Conducted emission
FCC part 15

12. Dec 08 10:31

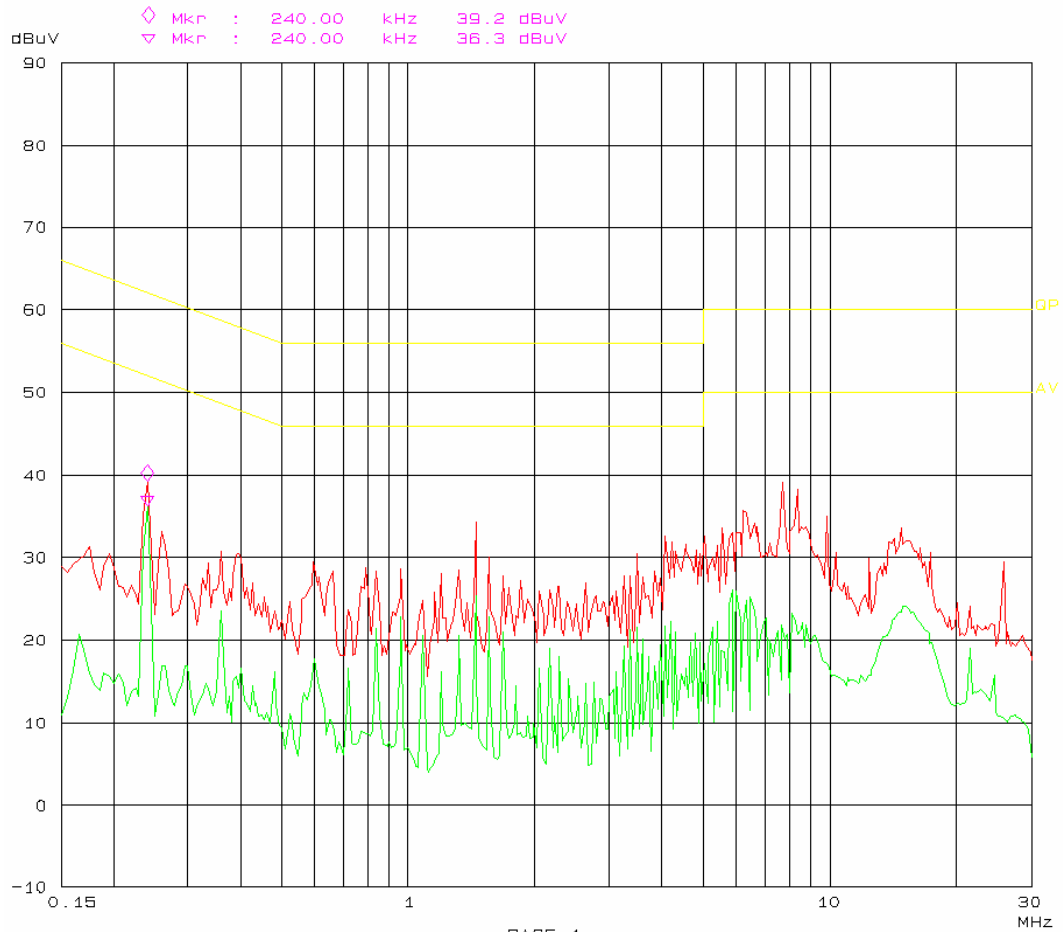
EUT: Bluetooth stereo headset M/N: BS300A
Manuf: Sunitec
Op Cond: PC charging
Operator: Phoenix
Test Spec: AC 120V/60Hz L
Comment: Temp: 25 Hum: 56%
BACL



Conducted emission
FCC part 15

12. Dec 08 11: 03

EUT: Bluetooth stereo headset M/N: BS300A
Manuf: Sunitec
Op Cond: PC charging
Operator: Phoenix
Test Spec: AC 120V/60Hz N
Comment: Temp: 25 Hum: 56%
BACL



CFR47 §15.109, §15.205, §15.209, §15.247 - RADIATED EMISSIONS

Applicable Standard

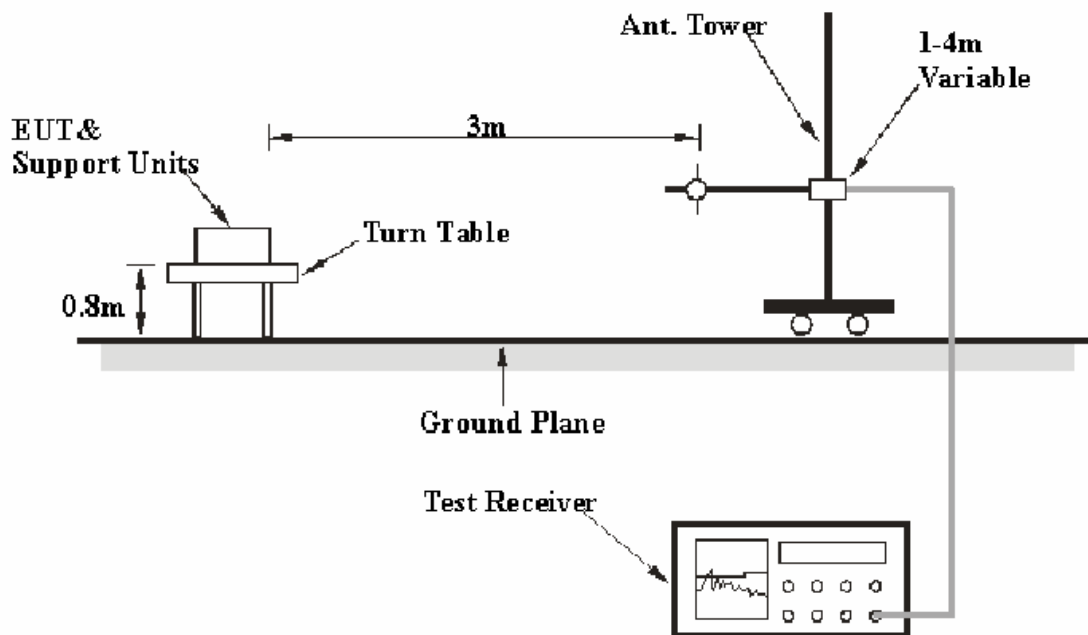
CFR47 §15.205; §15.209; §15.109; §15.247 (d);

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Laboratories Corp. (Shenzhen) is ± 4.0 dB.

EUT Setup



The radiated emission tests were performed in the 3 meters chamber B test site, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC 15.209 and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The Host PC was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

<i>Frequency Range</i>	<i>RBW</i>	<i>Video B/W</i>
30MHz – 1000 MHz	100 kHz	300 kHz
1000 MHz – 25 GHz	1 MHz	3 MHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Amplifier	HP8447D	2944A09795	2008-11-15	2009-11-15
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2008-03-11	2009-03-11
HP	Amplifier	8449B	3008A00277	2008-09-29	2009-09-29
Sunol Sciences	Horn Antenna	DRH-118	A052604	2008-09-25	2009-09-25
Rohde & Schwarz	Spectrum Analyzer	FSEM30	849720/019	2008-05-09	2009-05-09

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

For the radiated emissions test, the adapter was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz and peak and Average detection modes for frequencies above 1GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209, 15.109, and 15.247, with the worst margin reading of:

Car-Charger Charging Mode:

10.1 dB at 77.261600 MHz in the Horizontal polarization

PC Charging Mode:

8.8 dB at 905.546250 MHz in the Horizontal polarization

Transmitting BDR Mode (Below 1 GHz):

17.0 dB at 882.073000 MHz in the Vertical polarization

Transmitting BDR Mode (Above 1 GHz):

5.91 dB at 1602.18 MHz in the Vertical polarization (Low Channel)
3.12 dB at 1626.69 MHz in the Vertical polarization (Middle Channel)
4.98 dB at 1652.68 MHz in the Vertical polarization (High Channel)

Transmitting EDR Mode (Below 1 GHz):

16.5 dB at 159.992675 MHz in the Vertical polarization

Transmitting EDR Mode (Above 1 GHz):

2.41 dB at 1602.18 MHz in the Vertical polarization (Low Channel)
2.52 dB at 1626.69 MHz in the Vertical polarization (Middle Channel)
3.41 dB at 1652.68 MHz in the Vertical polarization (High Channel)

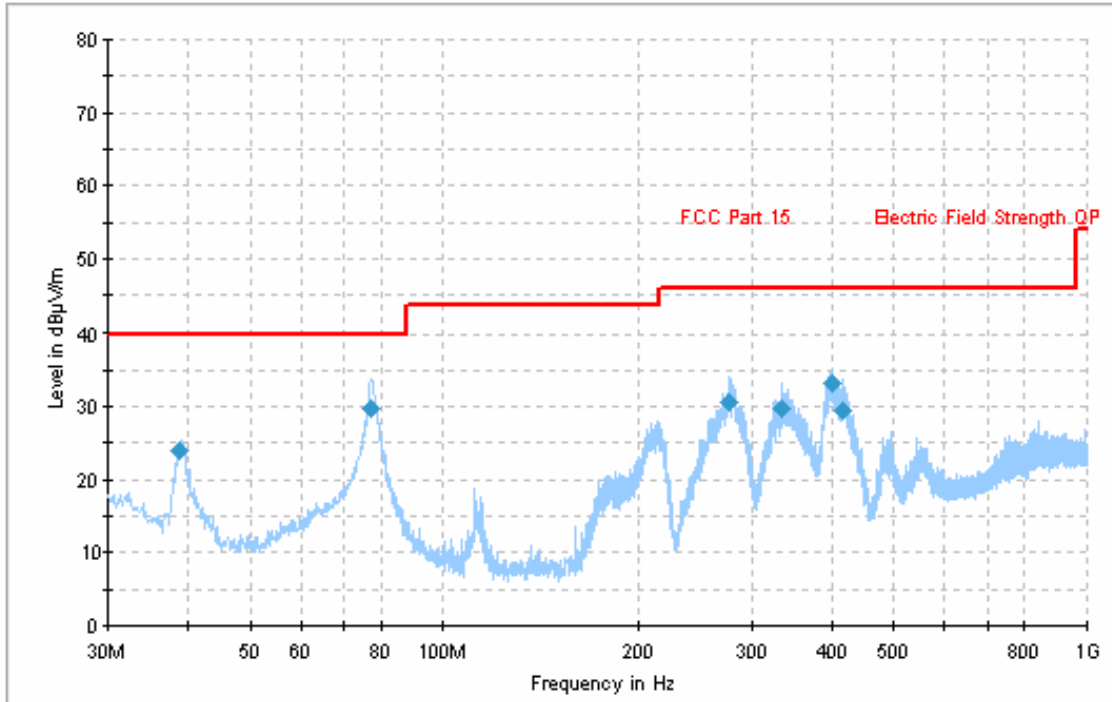
Test Data

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

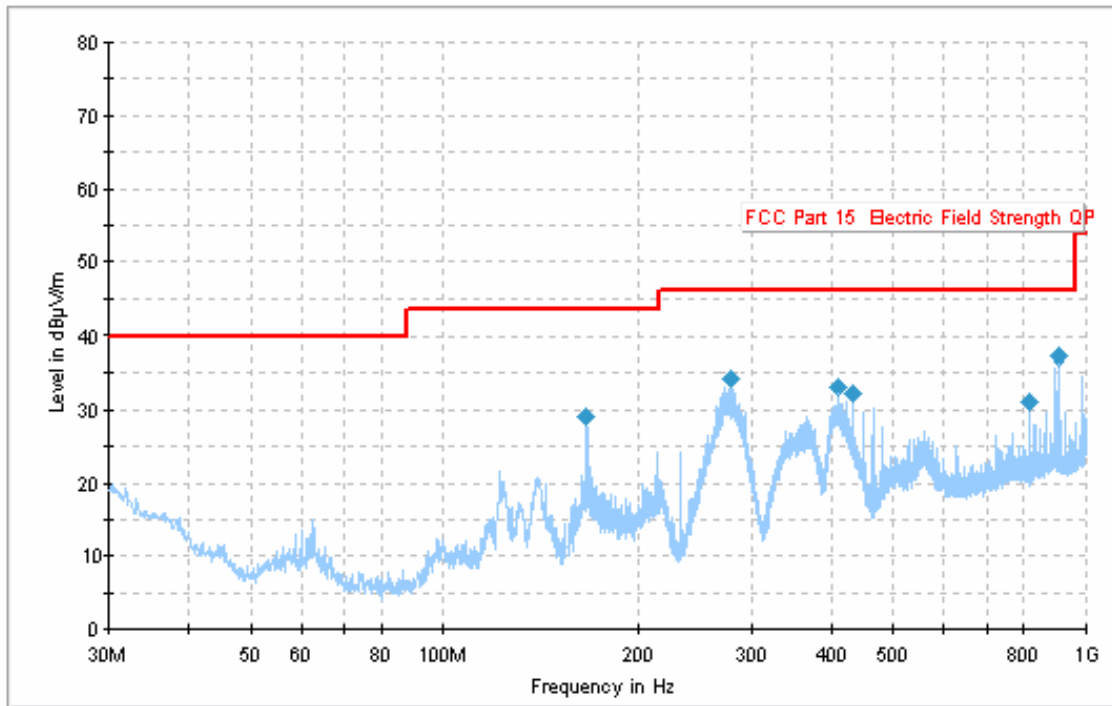
** The testing was performed by Phoenix Liu on 2008-12-08*

Test Mode: Car-Charger Charging



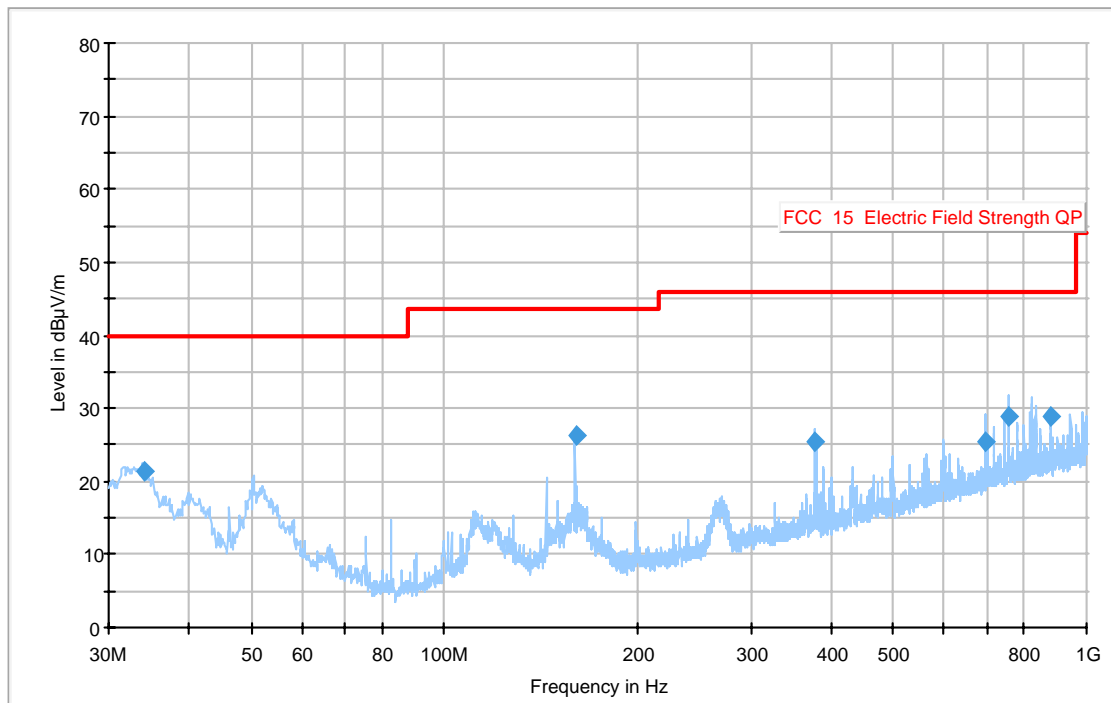
Frequency (MHz)	Corrected Amp. (dBµV/m)	Ant. Height (cm)	Ant. Polarity (H/V)	Turntable Position (deg)	Correction Factor (dB)	Limit (dBµV/m)	Margin (dB)
77.261600	29.9	283.0	H	76.0	-22.2	40.0	10.1
400.068750	33.2	103.0	H	308.0	-12.4	46.0	12.8
276.121350	30.5	128.0	H	165.0	-14.7	46.0	15.5
334.649225	29.7	103.0	H	73.0	-13.6	46.0	16.3
416.806225	29.4	116.0	H	316.0	-12.1	46.0	16.6
38.827725	24.0	401.0	V	139.0	-14.6	40.0	26.6

Test Mode: PC Charging



Frequency (MHz)	Corrected Amp. (dBµV/m)	Ant. Height (cm)	Ant. Polarity (H/V)	Turntable Position (deg)	Correction Factor (dB)	Limit (dBµV/m)	Margin (dB)
905.546250	37.2	401.0	H	0.0	-9.4	46.0	8.8
278.805000	34.1	100.0	H	348.0	-25.1	46.0	11.9
411.210000	33.0	200.0	H	0.0	-21.9	46.0	13.0
432.065000	32.1	100.0	V	359.0	-21.8	46.0	13.9
165.921250	29.1	200.0	H	0.0	-27.1	43.5	14.4
816.185000	31.1	200.0	H	0.0	-11.3	46.0	14.9

Test Mode: Transmitting (BDR) (Below 1GHz)



Frequency (MHz)	Corrected Amp. (dBµV/m)	Ant. Height (cm)	Ant. Polarity (H/V)	Turntable Position (deg)	Correction Factor (dB)	Limit (dBµV/m)	Margin (dB)
882.073000	29.0	119.0	V	162.0	-4.3	46.0	17.0
160.002200	26.3	101.0	V	320.0	-18.1	43.5	17.2
756.012125	28.8	207.0	V	26.0	-5.9	46.0	17.2
378.013825	25.5	105.0	V	76.0	-12.9	46.0	20.5
697.971600	25.3	168.0	V	207.0	-6.9	46.0	20.7
34.033675	21.4	396.0	V	191.0	-11.3	40.0	27.6

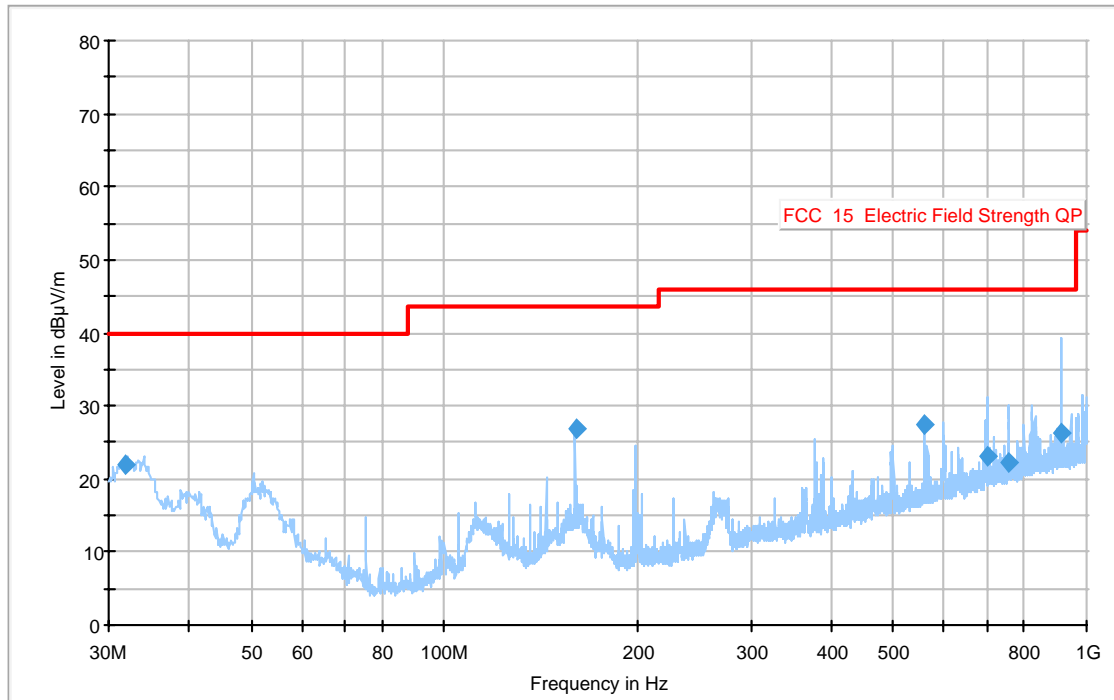
Test Mode: Transmitting (BDR) (Above 1GHz)

Freq. (MHz)	S.A. Reading (dBμV)	Detector PK/QP/AV	Table Direction Degree	Antenna			Cable Loss (dB)	Pre-Amp. Gain (dB)	Corr. Amp. (dBμV/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB)				Limit (dBμV/m)	Margin (dB)	Remarks
Low Channel (2402 MHz)												
1602.18	49.07	AV	4	1.30	V	27.80	5.62	34.40	48.09	54	5.91	Spurious
1602.18	47.89	AV	260	2.00	H	27.50	5.62	34.40	46.61	54	7.39	Spurious
4804.00	31.34	AV	278	1.20	V	35.00	7.56	33.70	40.20	54	13.80	Harmonic
4804.00	29.45	AV	142	1.30	H	36.30	7.56	33.70	39.61	54	14.39	Harmonic
1602.18	56.85	PK	4	1.30	V	27.80	5.62	34.40	55.87	74	18.13	Spurious
4804.00	44.66	PK	278	1.20	V	35.00	7.56	33.70	53.52	74	20.48	Harmonic
1602.18	54.01	PK	243	1.40	H	27.50	5.62	34.40	52.73	74	21.27	Spurious
4804.00	40.98	PK	142	1.60	H	36.30	7.56	33.70	51.14	74	22.86	Harmonic
Middle Channel (2441 MHz)												
1626.69	51.86	AV	277	1.12	V	27.8	5.62	34.4	50.88	54	3.12	Spurious
1626.69	48.44	AV	201	1.78	H	27.5	5.62	34.4	47.16	54	6.84	Spurious
4882.00	30.16	AV	195	1.50	H	36.3	7.56	33.7	40.32	54	13.68	Harmonic
4882.00	31.25	AV	105	1.10	V	35.0	7.56	33.7	40.11	54	13.89	Harmonic
1626.69	55.40	PK	277	1.12	V	27.8	5.62	34.4	54.42	74	19.58	Spurious
4882.00	43.46	PK	195	1.50	H	36.3	7.56	33.7	53.62	74	20.38	Harmonic
4882.00	44.69	PK	105	1.10	V	35.0	7.56	33.7	53.55	74	20.45	Harmonic
1626.69	52.92	PK	201	1.78	H	27.5	5.62	34.4	51.64	74	22.36	spurious
High Channel (2480 MHz)												
1652.68	50.00	AV	300	1.5	V	27.8	5.62	34.4	49.02	54	4.98	Spurious
1652.68	47.00	AV	300	1.7	H	27.5	5.62	34.4	45.72	54	8.28	Spurious
4960.00	29.79	AV	180	1.6	H	36.3	7.56	33.7	39.95	54	14.05	Harmonic
4960.00	31.05	AV	278	1.2	V	35.0	7.56	33.7	39.91	54	14.09	Harmonic
1652.68	55.61	PK	300	1.5	V	27.8	5.62	34.4	54.63	74	19.37	Spurious
4960.00	44.15	PK	180	1.6	H	36.3	7.56	33.7	54.31	74	19.69	Harmonic
4960.00	44.78	PK	278	1.2	V	35.0	7.56	33.7	53.64	74	20.36	Harmonic
1652.68	53.64	PK	300	1.7	H	27.5	5.62	34.4	52.36	74	21.64	Spurious

Spurious emission in restricted band:

Freq. (MHz)	S.A. Reading (dBμV)	Detector PK/QP/AV	Table Direction Degree	Antenna			Cable Loss (dB)	Pre-Amp. Gain (dB)	Corr. Amp. (dBμV/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	Remarks
Out Side of Left Band (2310 – 2390 MHz)												
2375.12	33.86	AV	0	1.6	H	30.9	7.9	33.9	38.76	54	15.24	Spurious
2343.92	34.01	AV	128	1.2	V	30.3	7.9	33.9	38.31	54	15.69	Spurious
2343.92	48.52	PK	128	1.2	V	30.3	7.9	33.9	52.82	74	21.18	Spurious
2375.12	47.77	PK	0	1.6	H	30.9	7.9	33.9	52.67	74	21.33	Spurious
Out Side of Right Band (2483.5 – 2500 MHz)												
2496.96	33.16	AV	278	1.8	H	30.9	7.9	33.9	38.06	54	15.94	Spurious
2490.12	32.19	AV	190	1.3	V	30.3	7.9	33.9	36.49	54	17.51	Spurious
2496.96	47.12	PK	278	1.8	H	30.9	7.9	33.9	52.02	74	21.98	Spurious
2490.12	46.57	PK	190	1.3	V	30.3	7.9	33.9	50.87	74	23.13	Spurious

Test Mode: Transmitting (EDR) (Below 1GHz)



Frequency (MHz)	Corrected Amp. (dBµV/m)	Ant. Height (cm)	Ant. Polarity (H/V)	Turntable Position (deg)	Correction Factor (dB)	Limit (dBµV/m)	Margin (dB)
159.992675	27.0	103.0	V	320.0	-18.1	43.5	16.5
560.002050	27.4	102.0	V	28.0	-9.7	46.0	18.6
700.009475	23.0	104.0	V	204.0	-6.9	46.0	23.0
31.821325	21.9	375.0	V	244.0	-9.8	40.0	26.5
755.435875	22.3	120.0	H	99.0	-5.9	46.0	27.3
911.666100	26.4	378.0	V	48.0	-3.4	46.0	27.5

Test Mode: Transmitting (EDR) (Above 1GHz)

Freq. (MHz)	S.A. Reading (dBμV)	Detector PK/QP/AV	Table Direction Degree	Antenna			Cable Loss (dB)	Pre-Amp. Gain (dB)	Corr. Amp. (dBμV/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB)				Limit (dBμV/m)	Margin (dB)	Remarks
Low Channel (2402 MHz)												
1602.18	52.57	AV	24	1.2	V	27.8	5.62	34.4	51.59	54	2.41	Spurious
1602.18	49.59	AV	260	2.0	H	27.5	5.62	34.4	48.31	54	5.69	Spurious
4804	30.11	AV	135	1.3	H	36.3	7.56	33.7	40.27	54	13.73	Harmonic
4804	31.02	AV	156	1.4	V	35	7.56	33.7	39.88	54	14.12	Harmonic
1602.18	55.95	PK	24	1.2	V	27.8	5.62	34.4	54.97	74	19.03	Spurious
4804	43.67	PK	142	1.6	H	36.3	7.56	33.7	53.83	74	20.17	Harmonic
4804	44.54	PK	234	1.8	V	35	7.56	33.7	53.4	74	20.6	Harmonic
1602.18	54.43	PK	243	1.4	H	27.5	5.62	34.4	53.15	74	20.85	Spurious
Middle Channel (2441 MHz)												
1626.69	52.46	AV	147	1.3	V	27.8	5.62	34.4	51.48	54	2.52	Spurious
1626.69	49.35	AV	192	1.8	H	27.5	5.62	34.4	48.07	54	5.93	Spurious
4882	29.89	AV	195	1.4	H	36.3	7.56	33.7	40.05	54	13.95	Harmonic
4882	30.94	AV	195	1.4	V	35	7.56	33.7	39.80	54	14.20	Harmonic
1626.69	55.85	PK	147	1.3	V	27.8	5.62	34.4	54.87	74	19.13	Spurious
4882	43.52	PK	105	1.2	H	36.3	7.56	33.7	53.68	74	20.32	Harmonic
4882	44.41	PK	105	1.2	V	35	7.56	33.7	53.27	74	20.73	Harmonic
1626.69	54.15	PK	192	1.8	H	27.5	5.62	34.4	52.87	74	21.13	Spurious
High Channel (2480 MHz)												
1652.68	51.57	AV	274	1.2	V	27.8	5.62	34.4	50.59	54	3.41	Spurious
1652.68	48.49	AV	18	1.6	H	27.5	5.62	34.4	47.21	54	6.79	Spurious
4960	31.82	AV	176	1.3	V	35.0	7.56	33.7	40.68	54	13.32	Harmonic
4960	30.18	AV	38	1.6	H	36.3	7.56	33.7	40.34	54	13.66	Harmonic
1652.68	56.44	PK	274	1.2	V	27.8	5.62	34.4	55.46	74	18.54	Spurious
4960	44.03	PK	38	1.6	H	36.3	7.56	33.7	54.19	74	19.81	Harmonic
4960	45.10	PK	176	1.3	V	35.0	7.56	33.7	53.96	74	20.04	Harmonic
1652.68	53.40	PK	18	1.6	H	27.5	5.62	34.4	52.12	74	21.88	Spurious

Spurious emission in restricted band:

Freq. (MHz)	S.A. Reading (dBμV)	Detector PK/QP/AV	DTable irection Degree	Antenna			Cable Loss (dB)	Pre-Amp. Gain (dB)	Corr. Amp. (dBμV/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	Remarks
Out of left side band (2310 – 2390 MHz)												
2375.20	35.60	AV	0	1.6	H	30.9	7.9	33.9	40.50	54	13.50	Spurious
2343.95	35.75	AV	128	1.2	V	30.3	7.9	33.9	40.05	54	13.95	Spurious
2343.95	50.26	PK	128	1.2	V	30.3	7.9	33.9	54.56	74	19.44	Spurious
2375.20	49.51	PK	0	1.6	H	30.9	7.9	33.9	54.41	74	19.59	Spurious
Out of right side band (2483.5 – 2500 MHz)												
2496.00	34.90	AV	278	1.8	H	30.9	7.9	33.9	39.80	54	14.20	Spurious
2490.10	33.93	AV	190	1.3	V	30.3	7.9	33.9	38.23	54	15.77	Spurious
2496.00	48.86	PK	278	1.8	H	30.9	7.9	33.9	53.76	74	20.24	Spurious
2490.10	48.31	PK	190	1.3	V	30.3	7.9	33.9	52.61	74	21.39	Spurious

CFR47 §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20dB 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 20dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Set the EUT in transmitting mode, spectrum Bandwidth was set at 100 kHz, maxhold the channel.
2. Set the adjacent channel of the EUT maxhold another truce
3. Measure the channel separation.

Test Data

Environmental Conditions

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

* The testing was performed by Phoenix Liu on 2008-10-28.

Test Result: Compliant.

Please refer to following tables and plots

Test Mode: Transmitting (BDR)

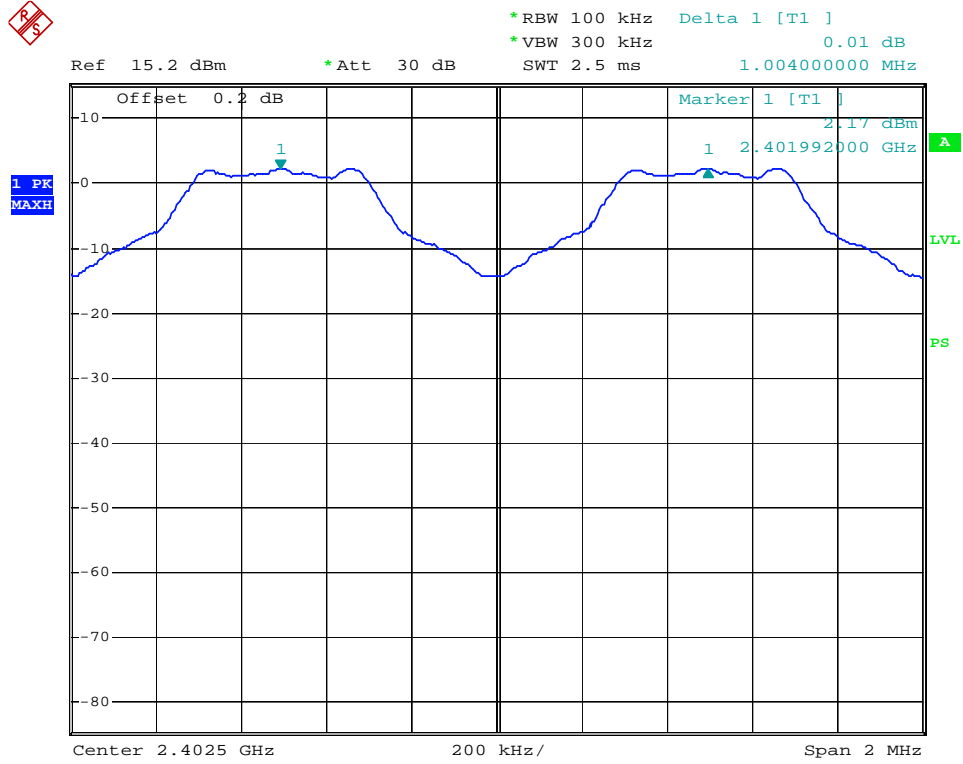
Channel	Channel Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)	Result
Low Channel	2402	1.004	0.533	Pass
Adjacent Channel	2403			
Mid Channel	2441	1.004	0.533	Pass
Adjacent Channel	2442			
High Channel	2480	1.004	0.531	Pass
Adjacent Channel	2479			

Test Mode: Transmitting (EDR)

Channel	Channel Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)	Result
Low Channel	2402	1.008	0.816	Pass
Adjacent Channel	2403			
Mid Channel	2441	1.008	0.816	Pass
Adjacent Channel	2442			
High Channel	2480	1.008	0.813	Pass
Adjacent Channel	2479			

Test Mode: Transmitting (BDR)

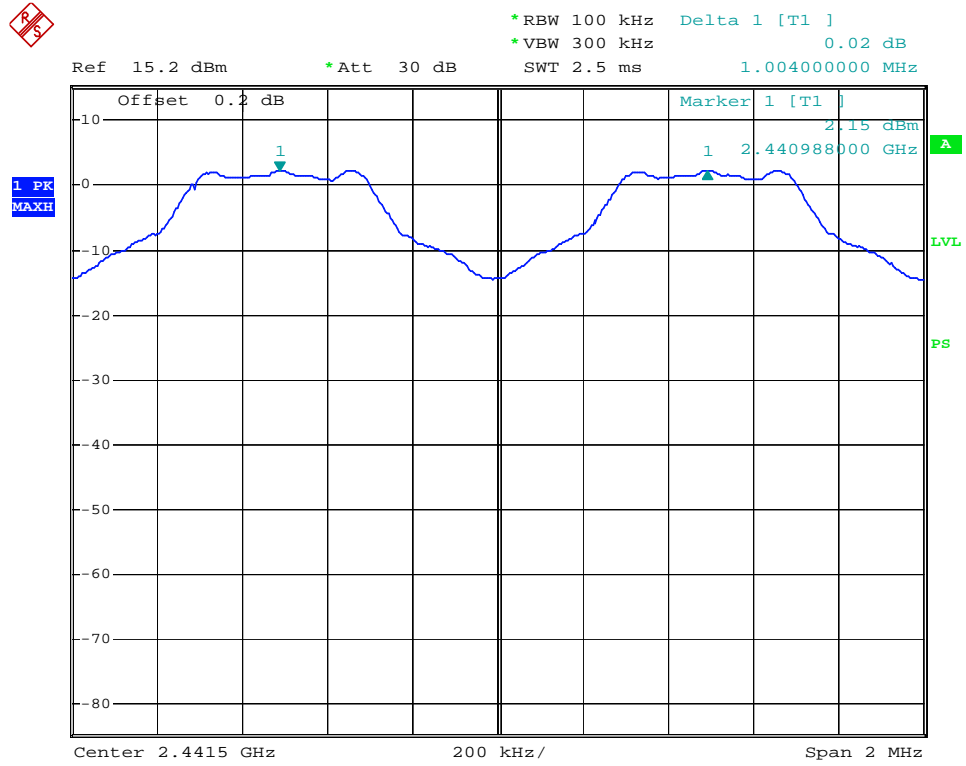
Low Channel



channel separation low channel

Date: 28.OCT.2008 17:44:43

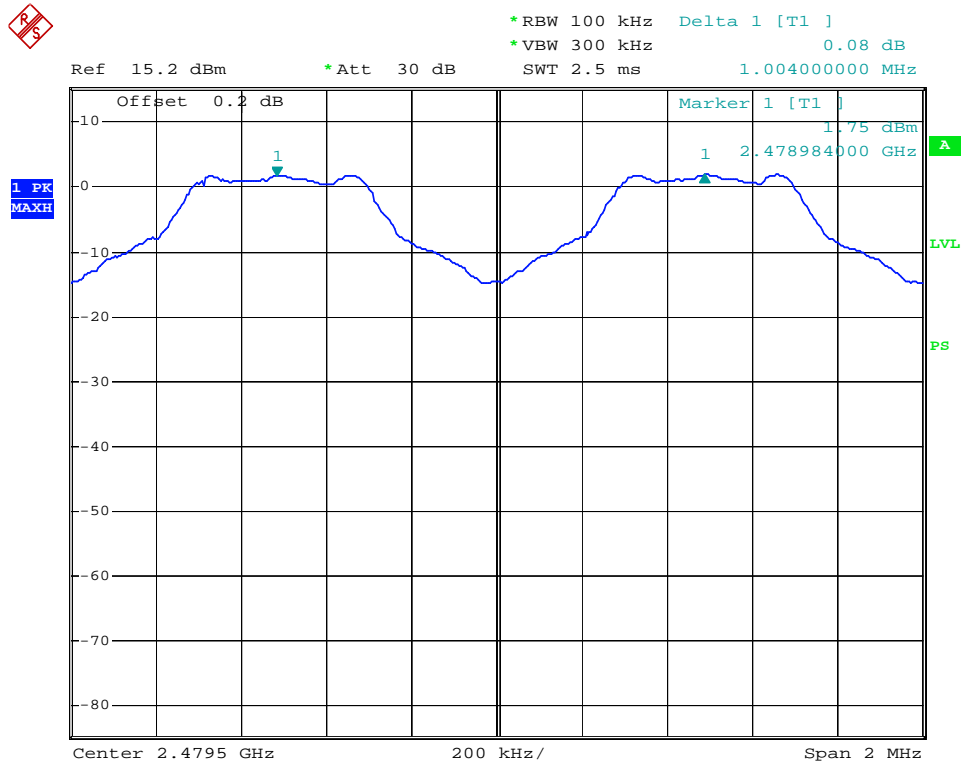
Middle Channel



channel separation middle channel

Date: 28.OCT.2008 17:45:46

High Channel

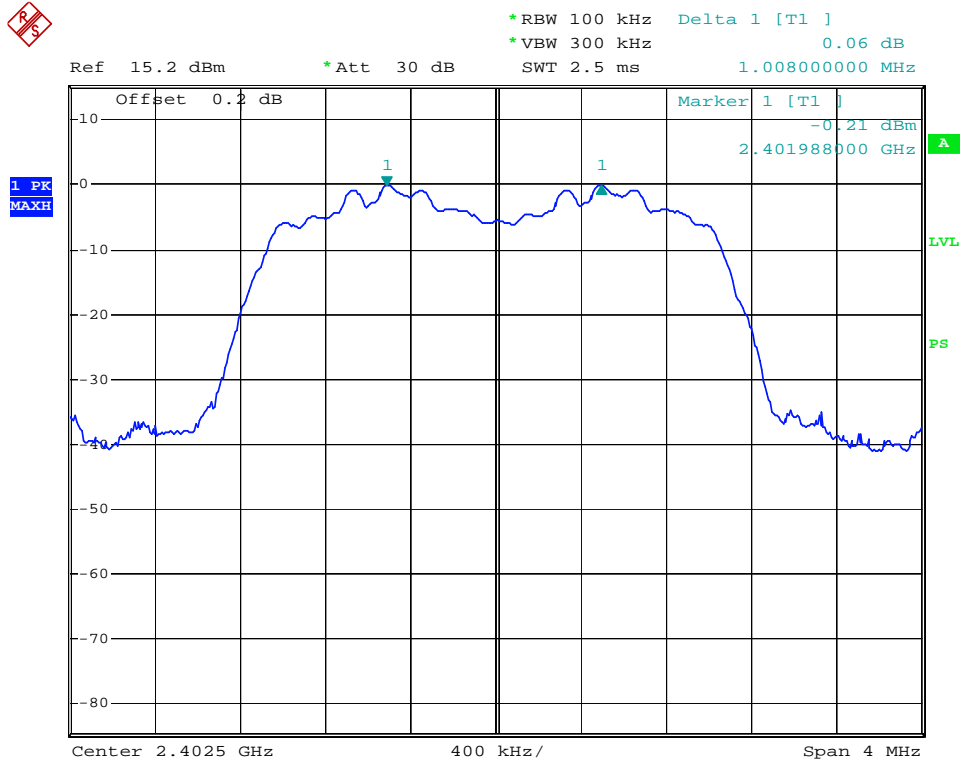


channel separation high channel

Date: 28.OCT.2008 17:46:50

Test Mode: Transmitting (EDR)

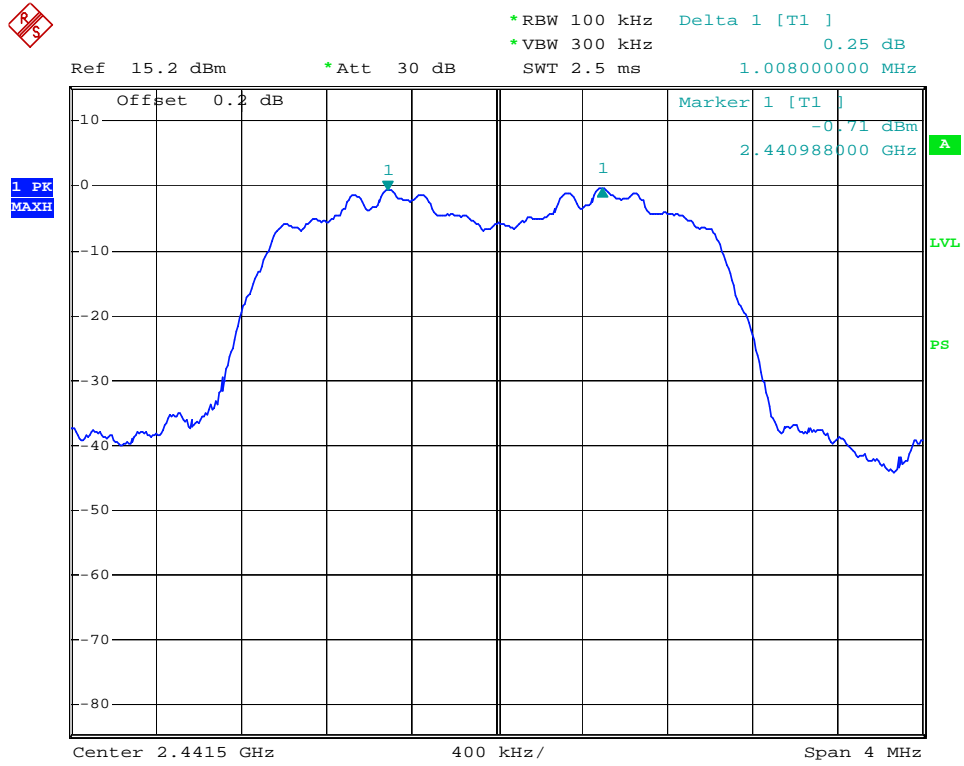
Low Channel



channel separation low channel

Date: 28.OCT.2008 18:39:44

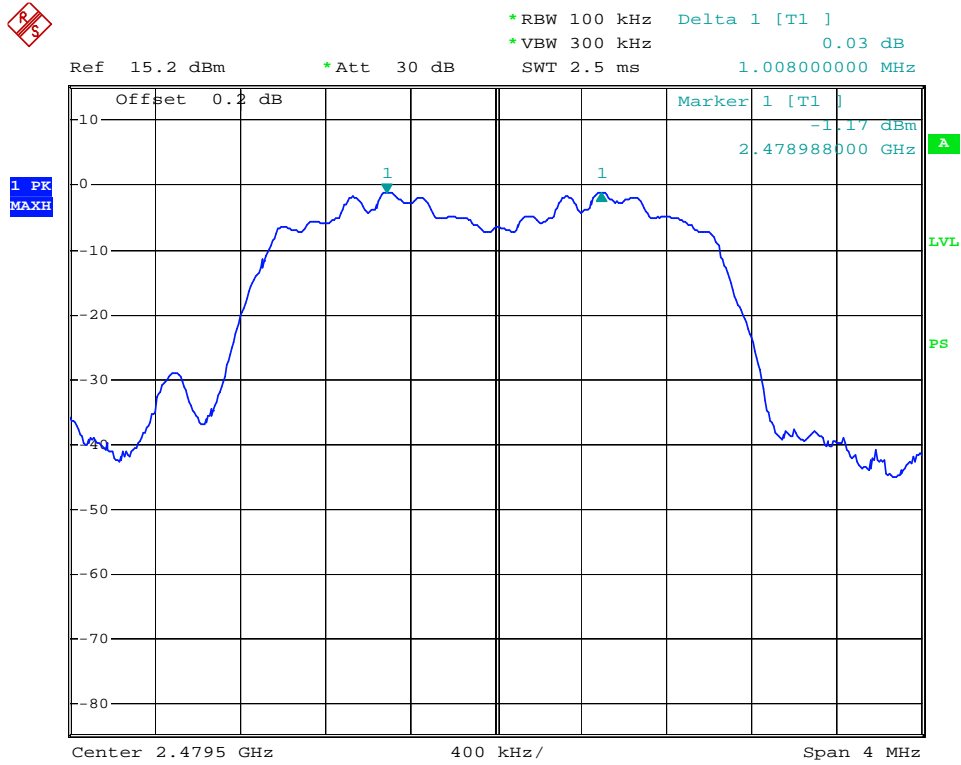
Middle Channel



channel separation middle channel

Date: 28.OCT.2008 18:38:47

High Channel



channel separation high channel

Date: 28.OCT.2008 18:37:02

CFR47 §15.247(a) (1) – 20dB BANDWIDTH TESTING

Applicable Standard

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 125mW.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

Test Data

Environmental Conditions

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

* *The testing was performed by Phoenix Liu on 2008-10-28.*

Test Result: Compliant.

Please refer to following tables and plots

Test Mode: Transmitting (BDR)

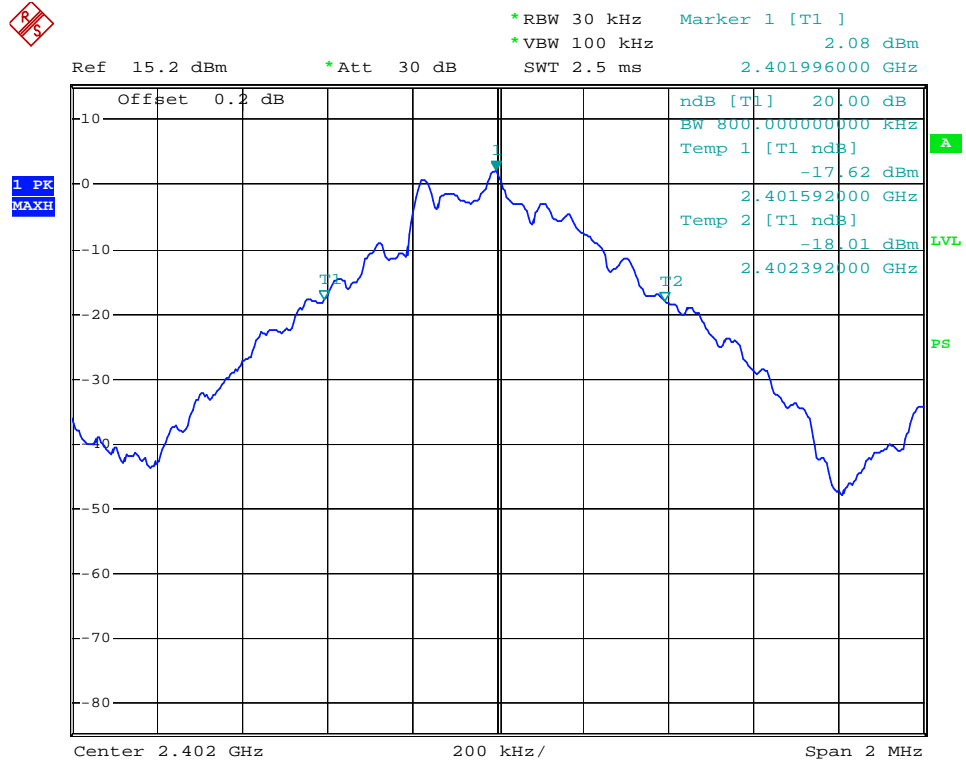
Channel	Frequency (MHz)	20dB Bandwidth (MHz)
Low	2402	0.800
Middle	2441	0.800
High	2480	0.796

Test Mode: Transmitting (EDR)

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
Low	2402	1.224
Middle	2441	1.224
High	2480	1.220

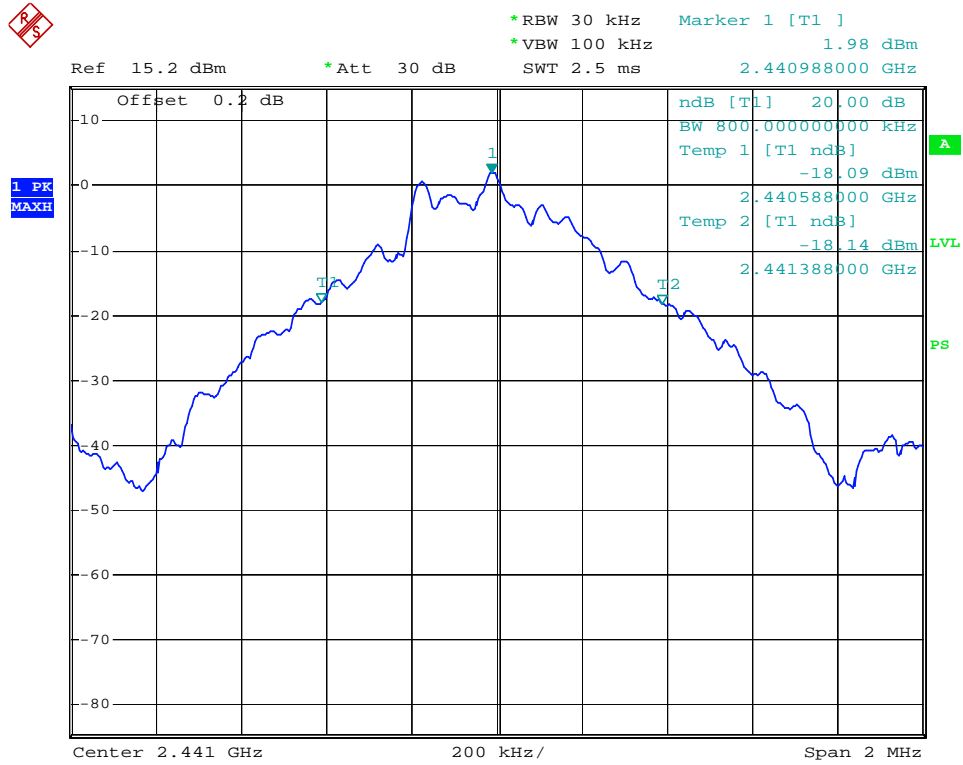
Test Mode: Transmitting (BDR)

Low Channel



20dB bandwidth low channel
Date: 28.OCT.2008 16:56:29

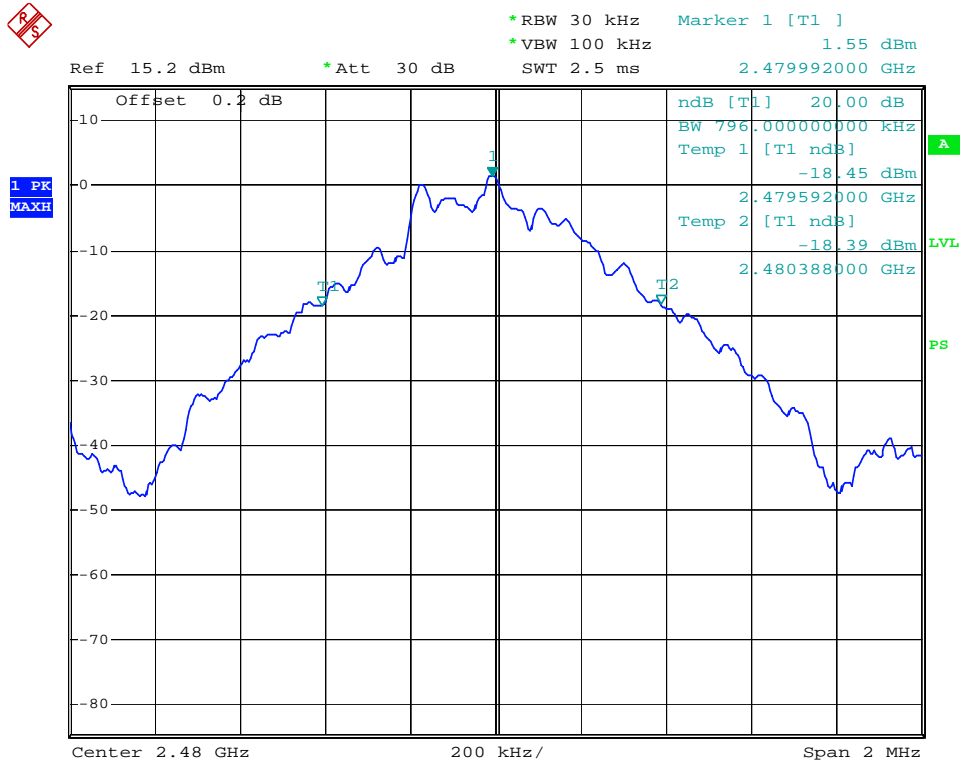
Middle Channel



20dB bandwidth middle channel

Date: 28.OCT.2008 16:59:14

High Channel

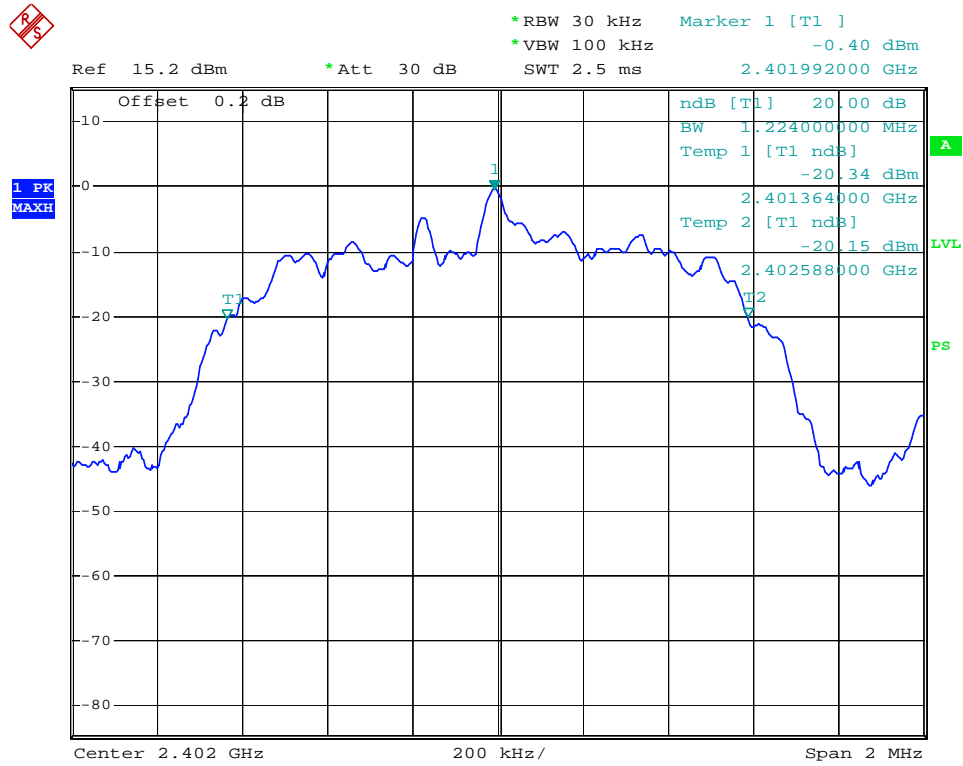


20dB bandwidth high channel

Date: 28.OCT.2008 17:00:14

Test Mode: Transmitting (EDR)

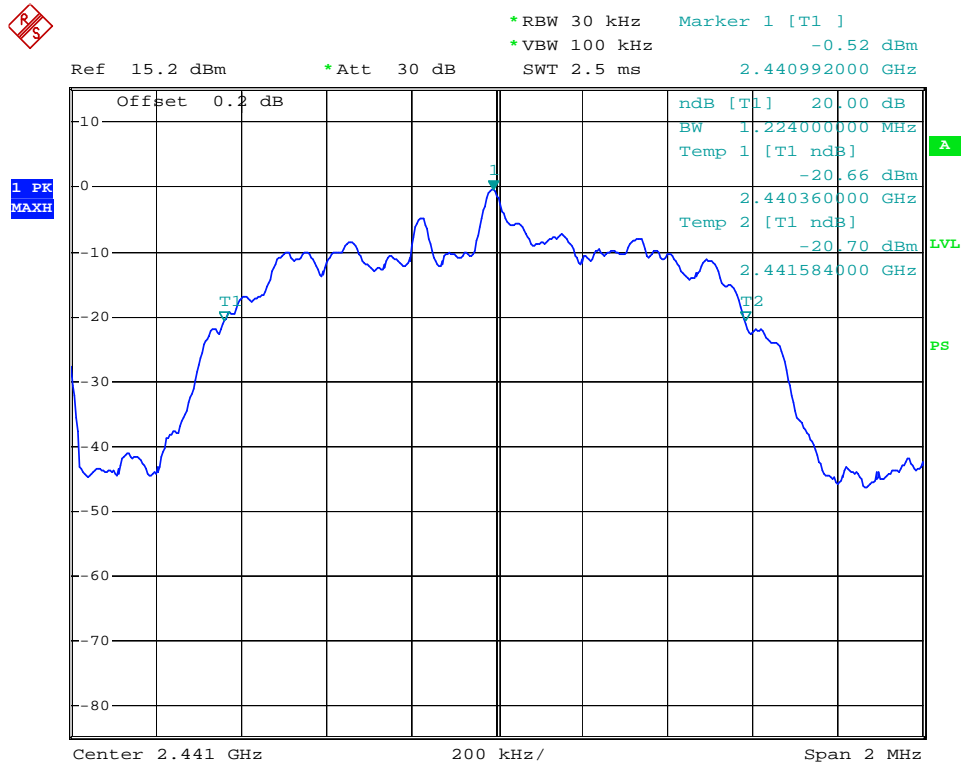
Low Channel



20dB bandwidth low channel

Date: 28.OCT.2008 17:52:29

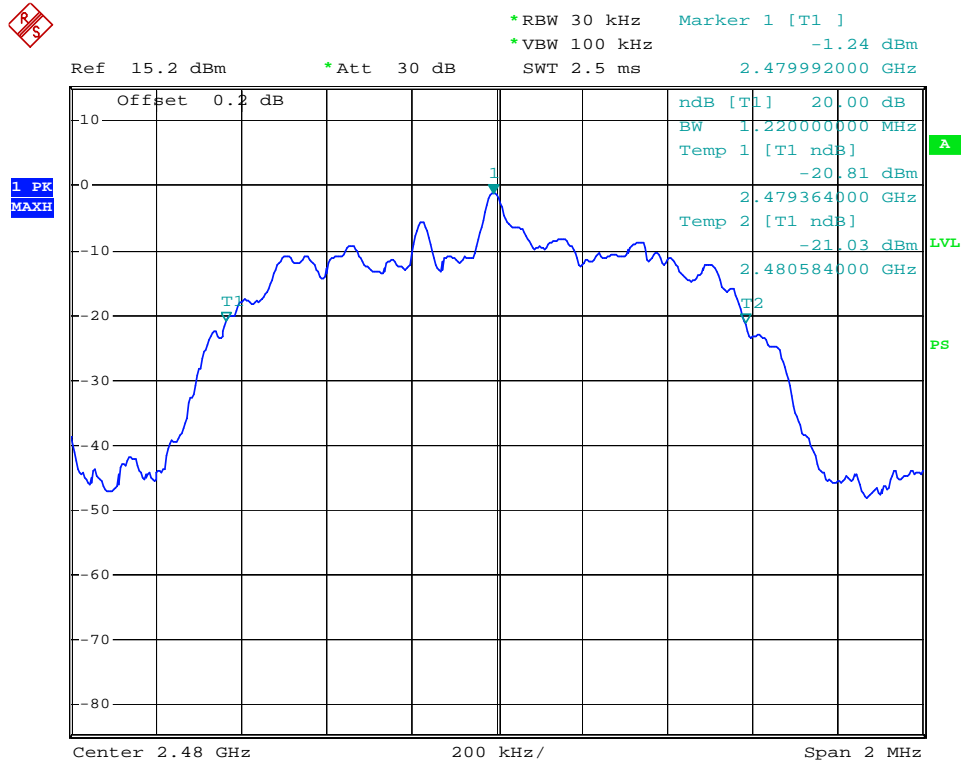
Middle Channel



20dB bandwidth middle channel

Date: 28.OCT.2008 17:53:10

High Channel



20dB bandwidth high channel

Date: 28.OCT.2008 17:53:47

CFR47 §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. 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. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Set the EUT in transmitting mode from first channel to last.
3. By using the Max-Hold function record the Quantity of the channel.

Test Data

Environmental Conditions

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

The testing was performed by Phoenix Liu on 2008-10-28.

Test Result: Compliant.

Please refer to following tables and plots

Test Mode: Transmitting (BDR)

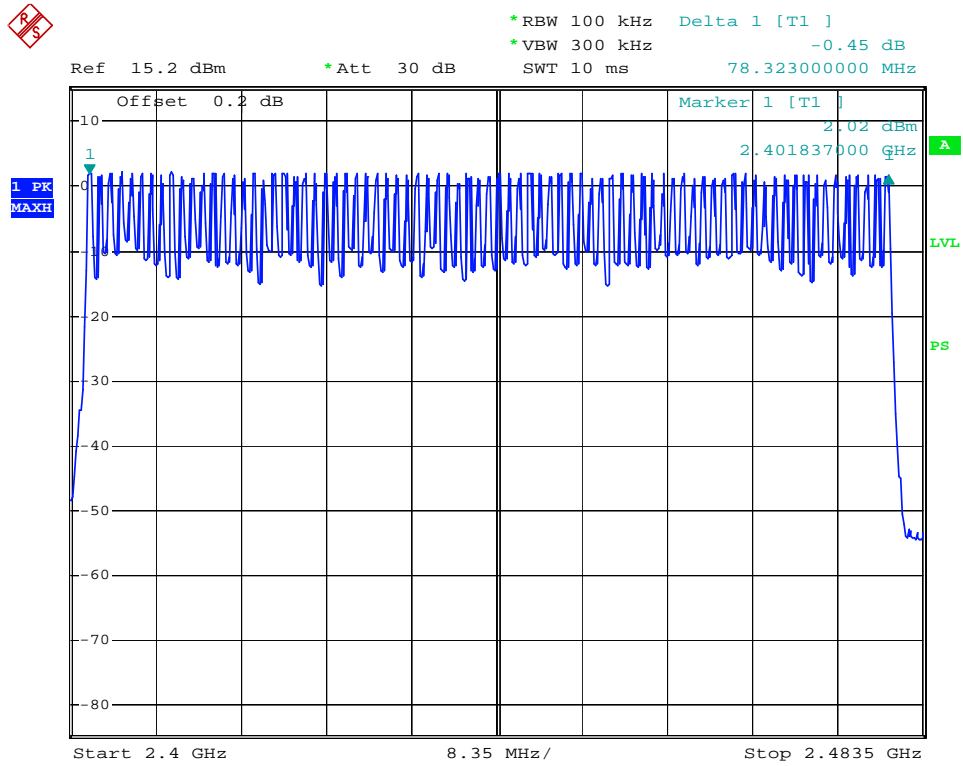
Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

Test Mode: Transmitting (EDR)

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

Test Mode: Transmitting (BDR)

Number of Hopping Channels

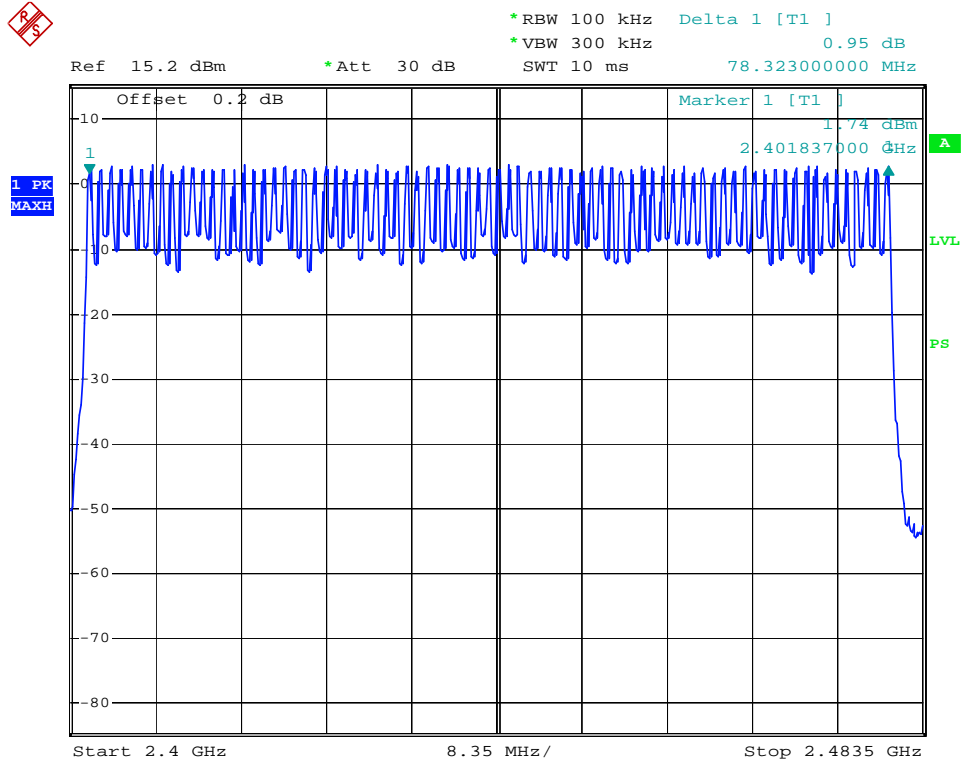


hopping channels

Date: 28.OCT.2008 17:04:22

Test Mode: Transmitting (EDR)

Number of Hopping Channels



hopping channels

Date: 28.OCT.2008 17:38:05

CFR47 §15.247(a) (1) (iii) -TIME OF OCCUPANCY (DWELL TIME)**Applicable Standard**

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. 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. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

The EUT was worked in channel hopping; Spectrum SPAN was set as 0. Sweep was set as 0.4 X channel no. (s), the quantity of pulse was get from single sweep. In addition, the time of single pulses was tested.

Dwell Time= time slot length * hope rate/ number of hopping channels * 31.6s
Hop rate=1600/s

Test Data**Environmental Conditions**

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

* *The testing was performed by Phoenix Liu on 2008-10-28.*

Test Result: Compliant.

Please refer to following tables and plots

Test Mode: Transmitting (BDR)

DH 1

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	0.530	0.1696	0.4	Pass
Middle	0.530	0.1696	0.4	Pass
High	0.535	0.1712	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/2/79)*31.6S

DH 3

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	1.800	0.2880	0.4	Pass
Middle	1.800	0.2880	0.4	Pass
High	1.800	0.2880	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/4/79)*31.6S

DH 5

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	3.080	0.3285	0.4	Pass
Middle	3.060	0.3263	0.4	Pass
High	3.080	0.3285	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/6/79)*31.6S

Test Mode: Transmitting (EDR)

DH 1

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	0.440	0.1408	0.4	Pass
Middle	0.440	0.1408	0.4	Pass
High	0.440	0.1408	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/2/79)*31.6S

DH 3

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	0.815	0.1304	0.4	Pass
Middle	0.815	0.1304	0.4	Pass
High	0.815	0.1304	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/4/79)*31.6S

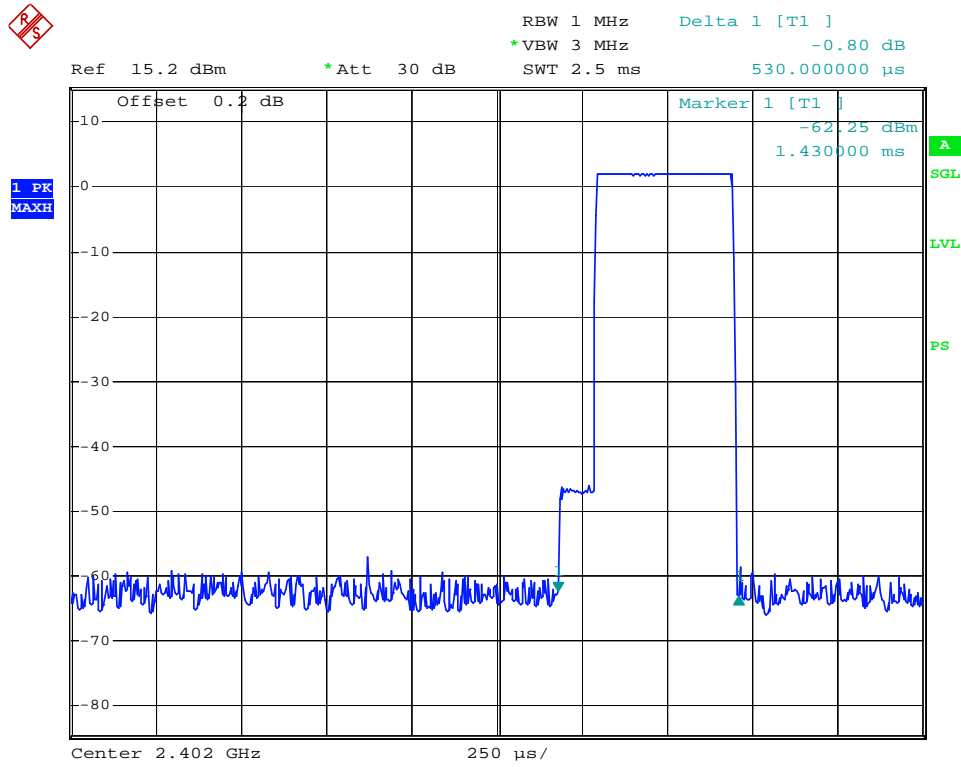
DH 5

Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
Low	1.240	0.1323	0.4	Pass
Middle	1.240	0.1323	0.4	Pass
High	1.240	0.1323	0.4	Pass

NOTE: Dwell time= Pulse time*(1600/6/79)*31.6S

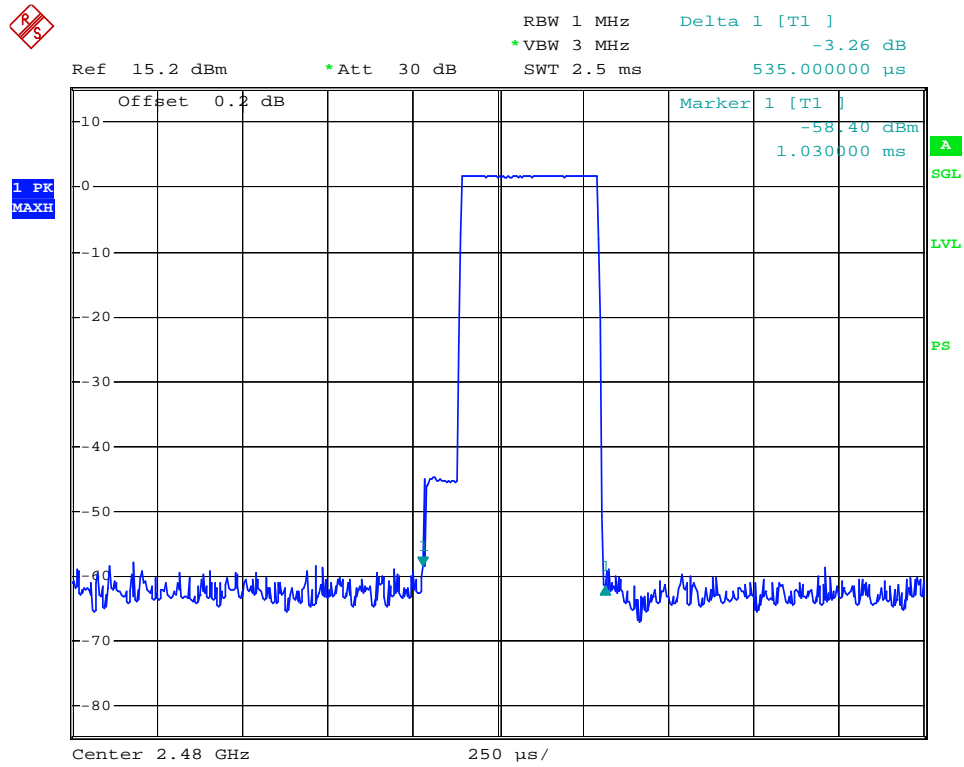
Test Mode: Transmitting (BDR)

Low Channel for DH1



dwll time low channel DH1
Date: 28.OCT.2008 17:06:21

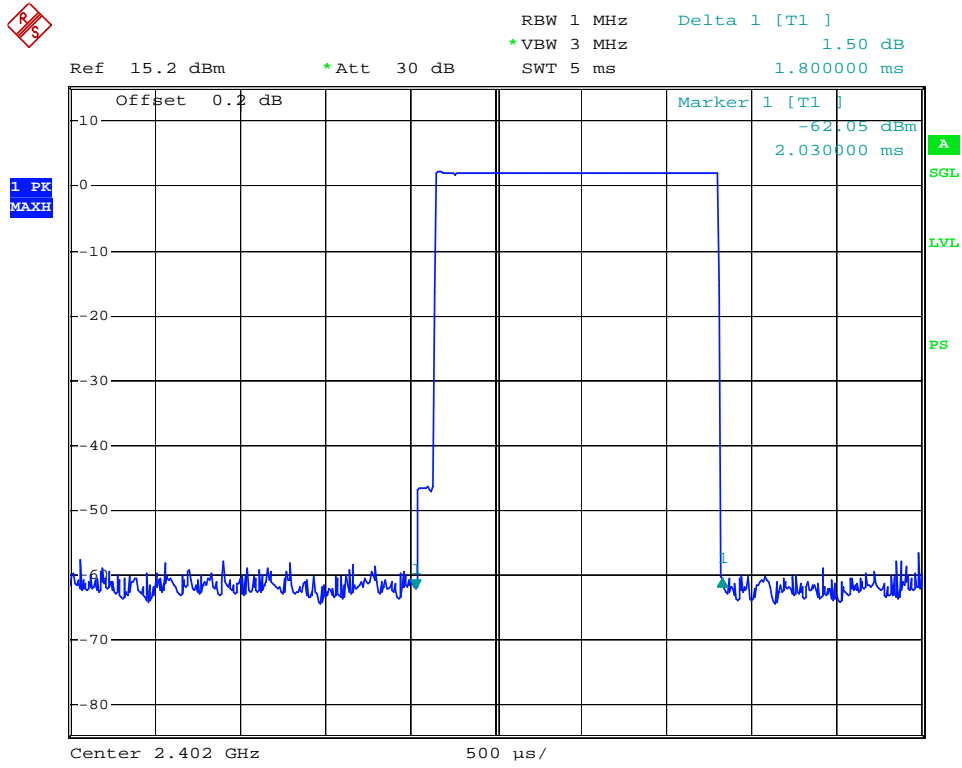
High Channel for DH1



dwell time high channel DH1

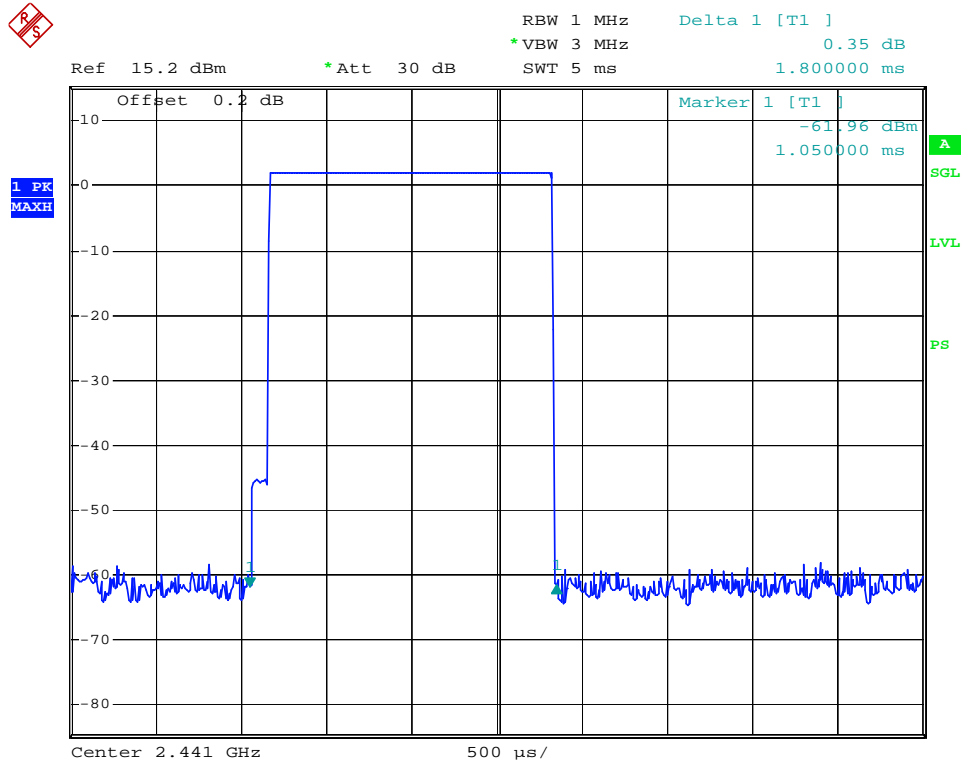
Date: 28.OCT.2008 17:08:18

Low Channel for DH3



dwll time low channel DH3
Date: 28.OCT.2008 17:09:38

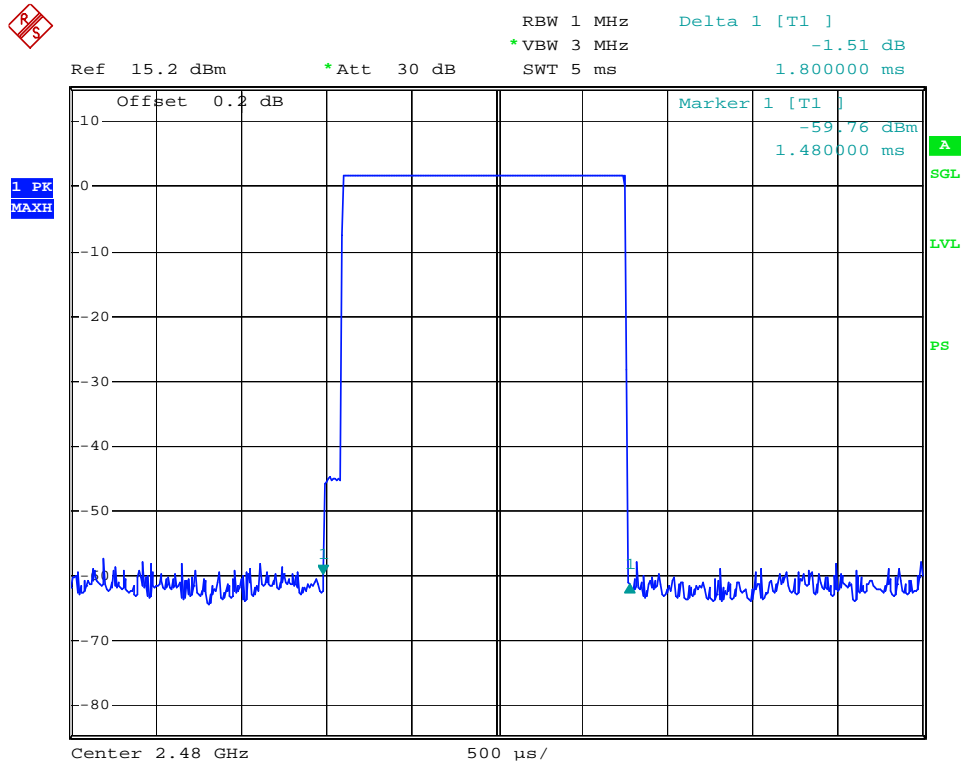
Middle Channel for DH3



dwll time middle channel DH3

Date: 28.OCT.2008 17:10:51

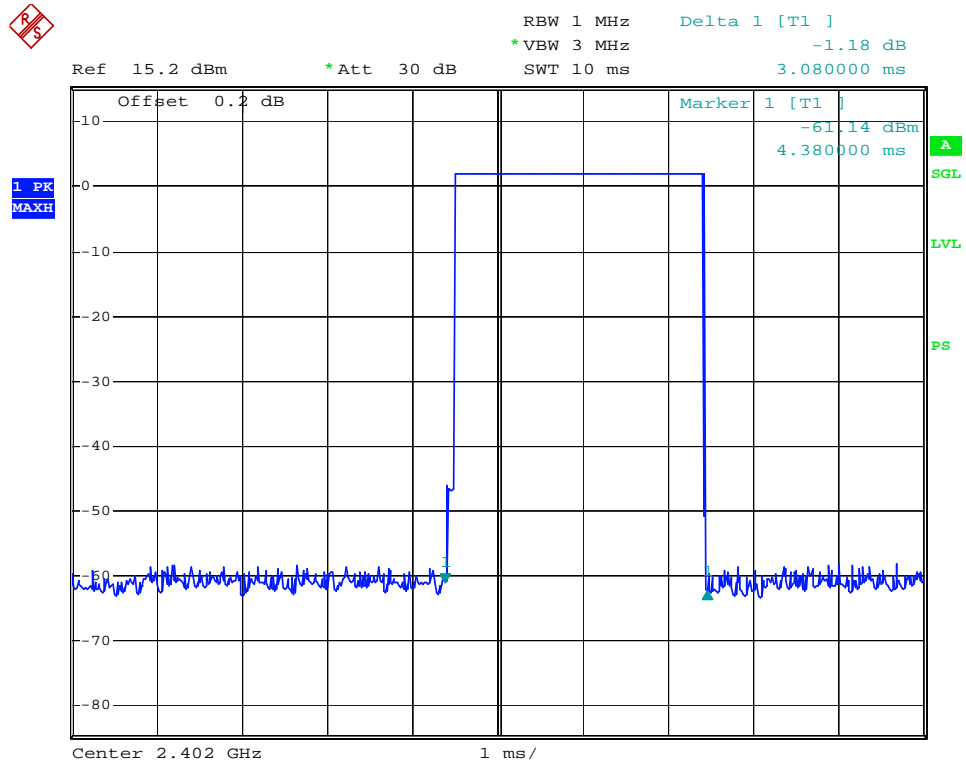
High Channel for DH3



dwll time high channel DH3

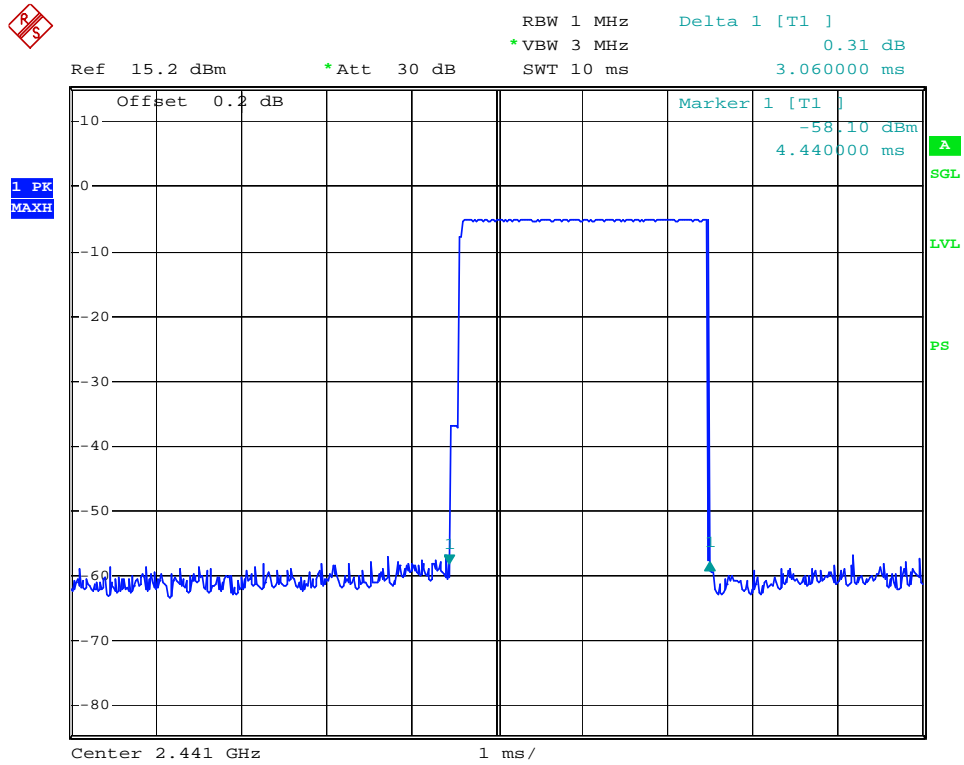
Date: 28.OCT.2008 17:11:49

Low Channel for DH5



dwll time low channel DH5
Date: 28.OCT.2008 17:13:52

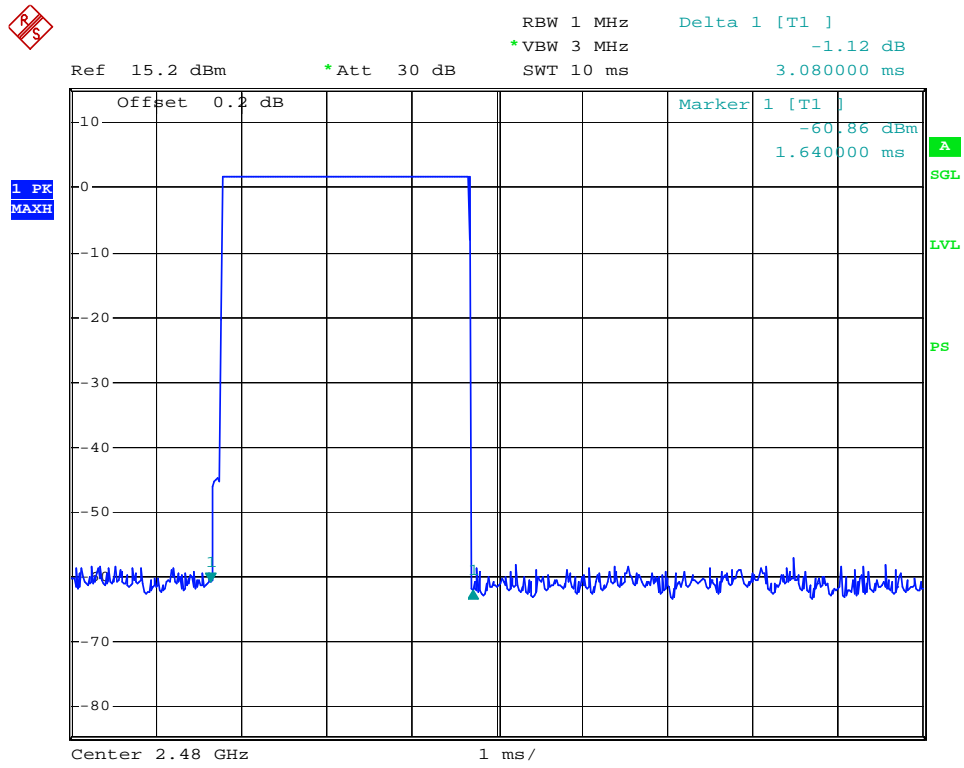
Middle Channel for DH5



dwll time middle channel DH5

Date: 28.OCT.2008 17:19:19

High Channel for DH5

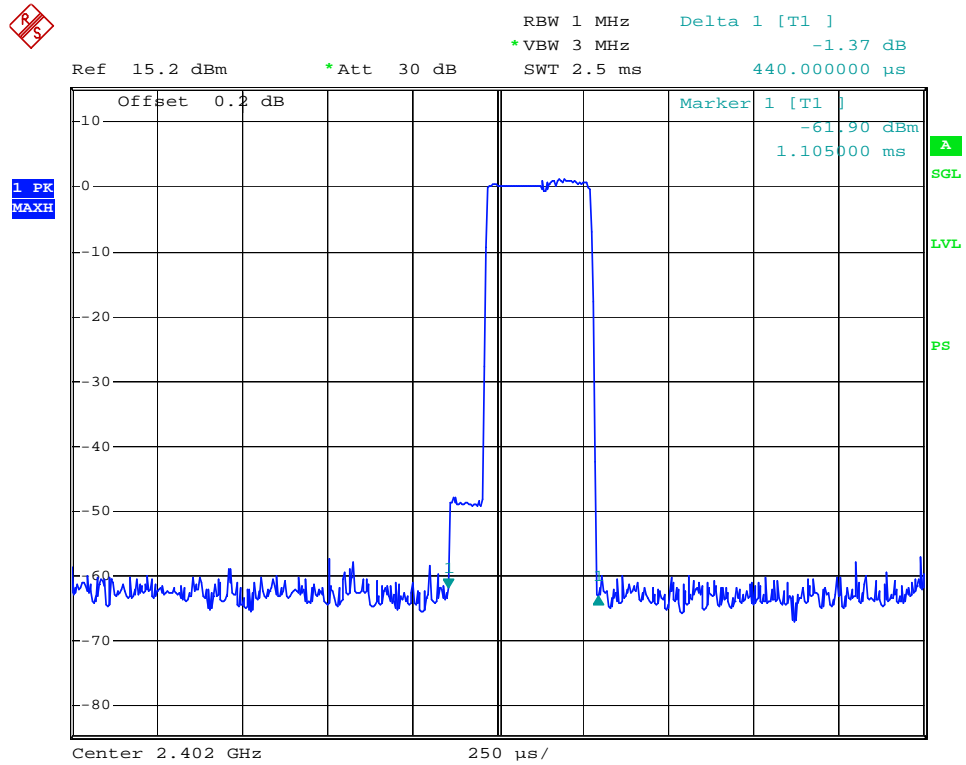


dwll time high channel DH5

Date: 28.OCT.2008 17:20:19

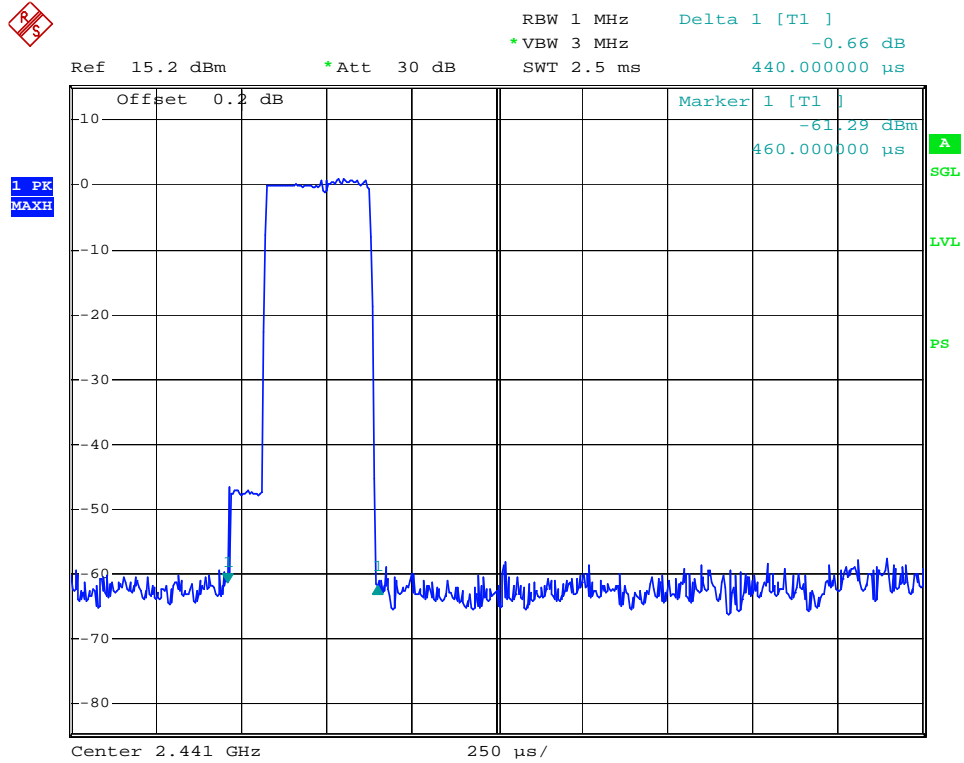
Test Mode: Transmitting (EDR)

Low Channel for DH1



dwll time low channel DH1
Date: 28.OCT.2008 18:45:51

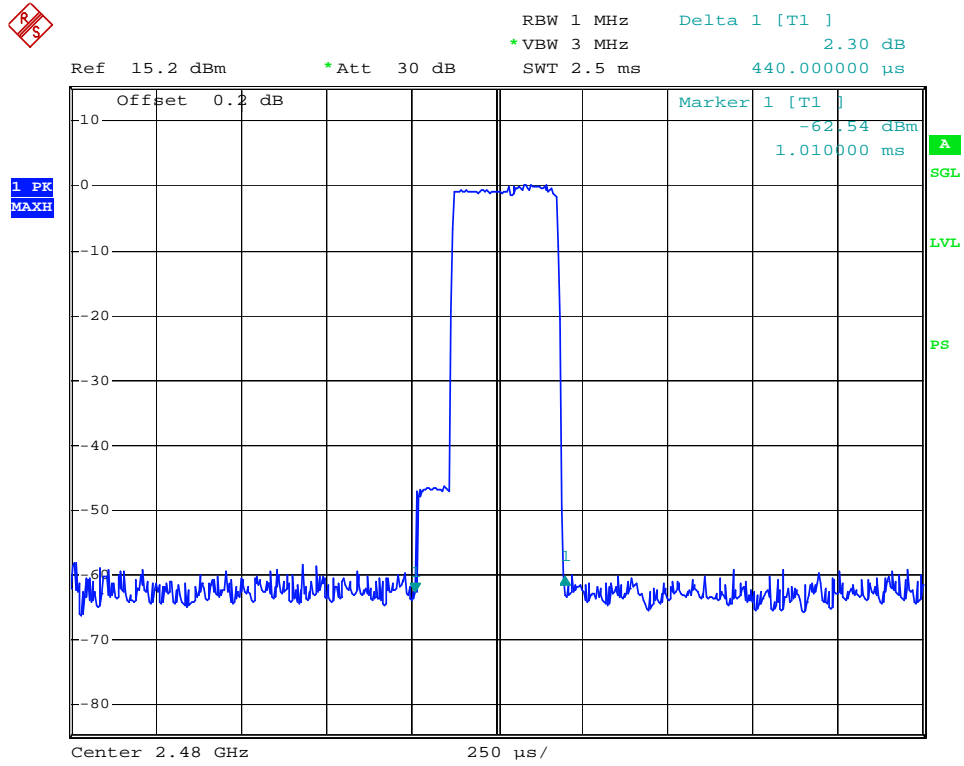
Middle Channel for DH1



dwll time middle channel DH1

Date: 28.OCT.2008 18:46:29

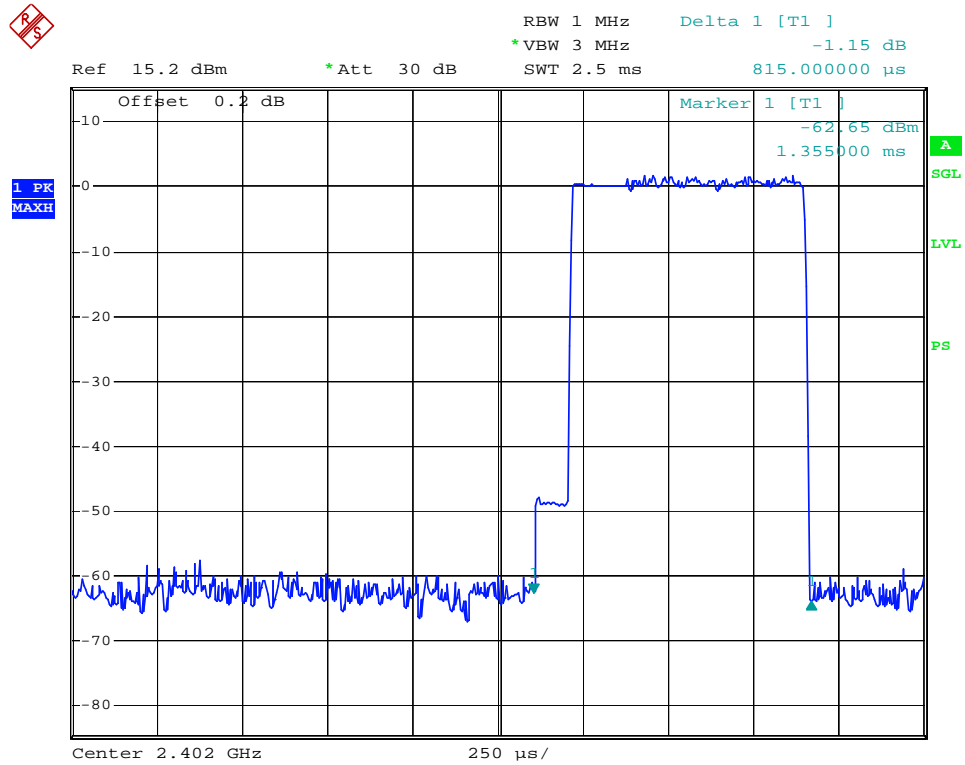
High Channel for DH1



dwell time high channel DH1

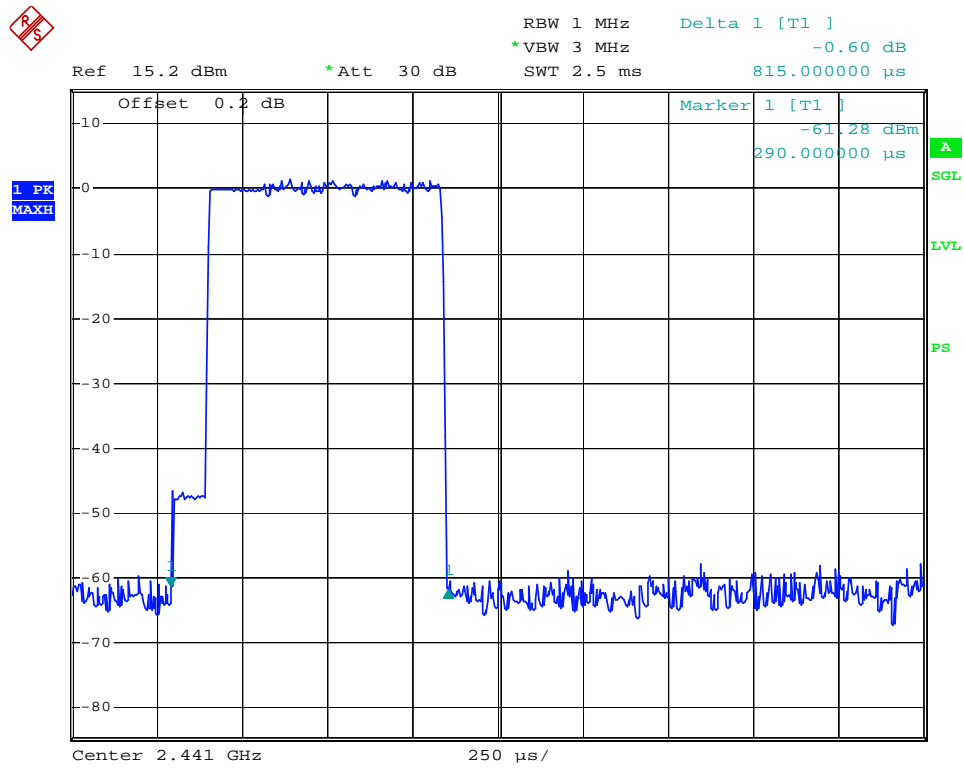
Date: 28.OCT.2008 18:47:32

Low Channel for DH3



dwll time low channel DH3
Date: 28.OCT.2008 18:50:54

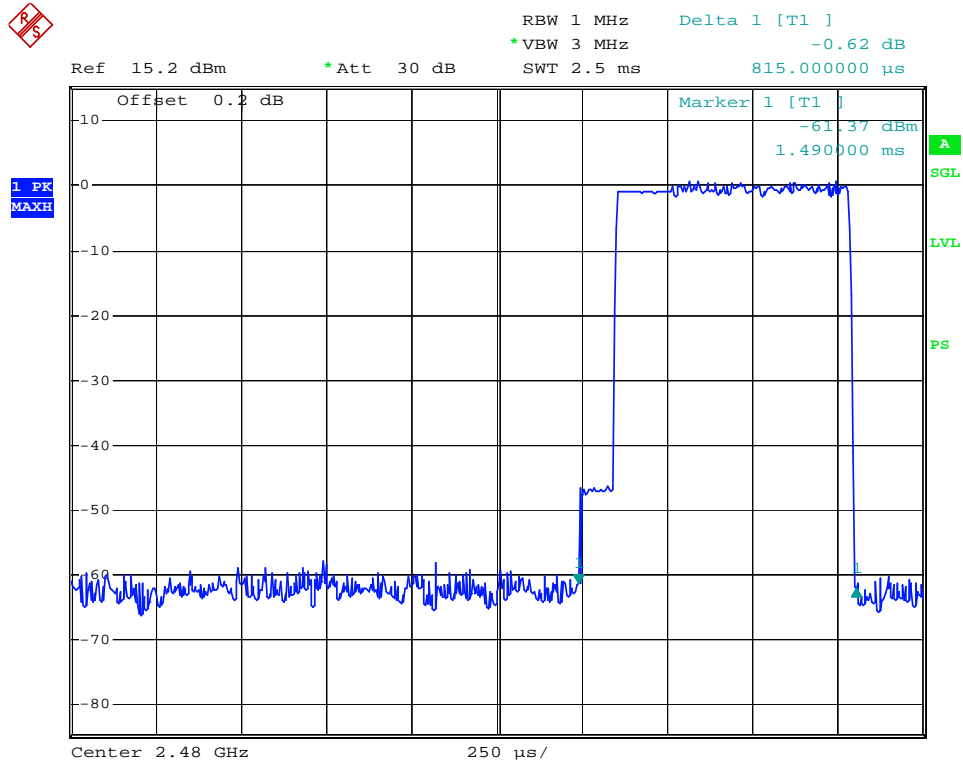
Middle Channel for DH3



dwell time middle channel DH3

Date: 28.OCT.2008 18:51:42

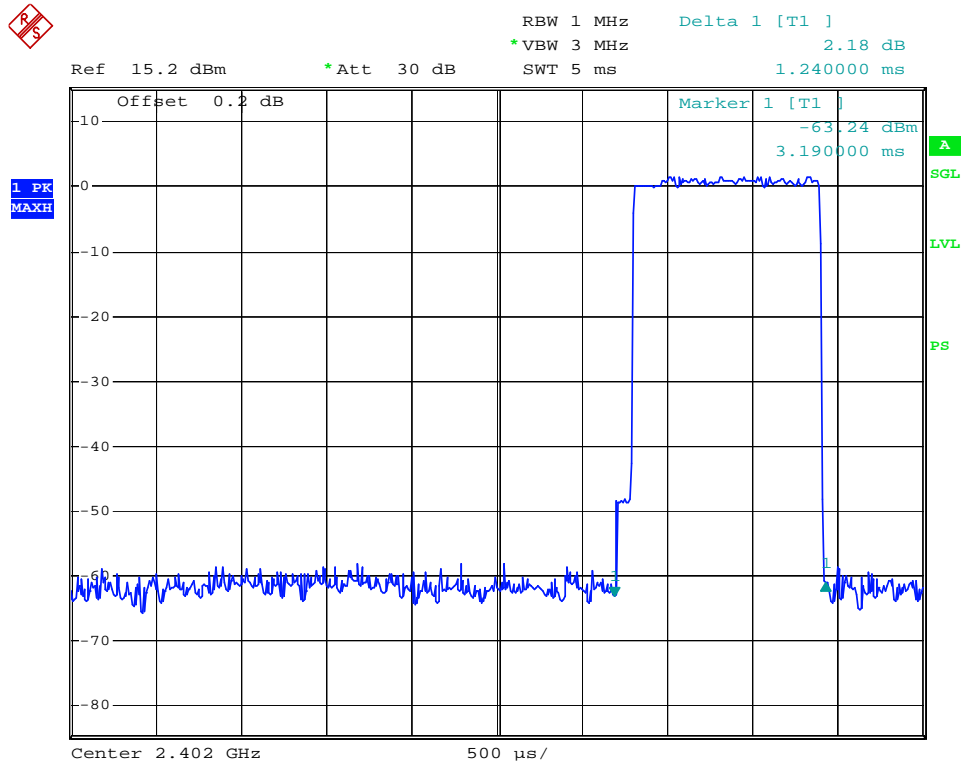
High Channel for DH3



dwll time high channel DH3

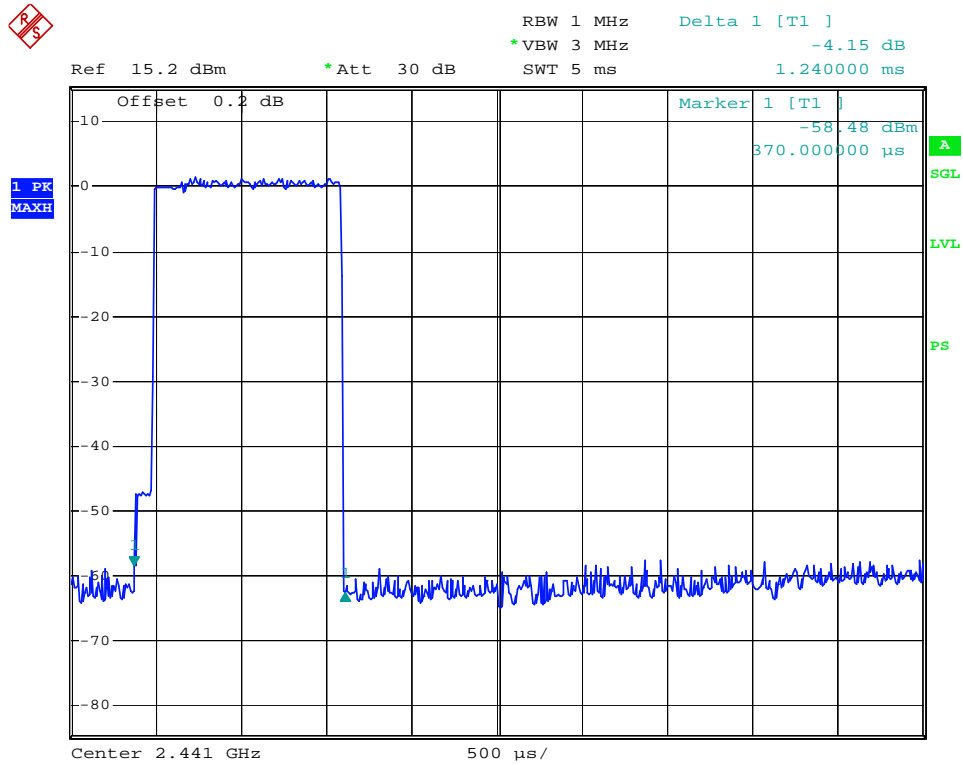
Date: 28.OCT.2008 18:52:25

Low Channel for DH5



dwell time low channel DH5
Date: 28.OCT.2008 18:53:52

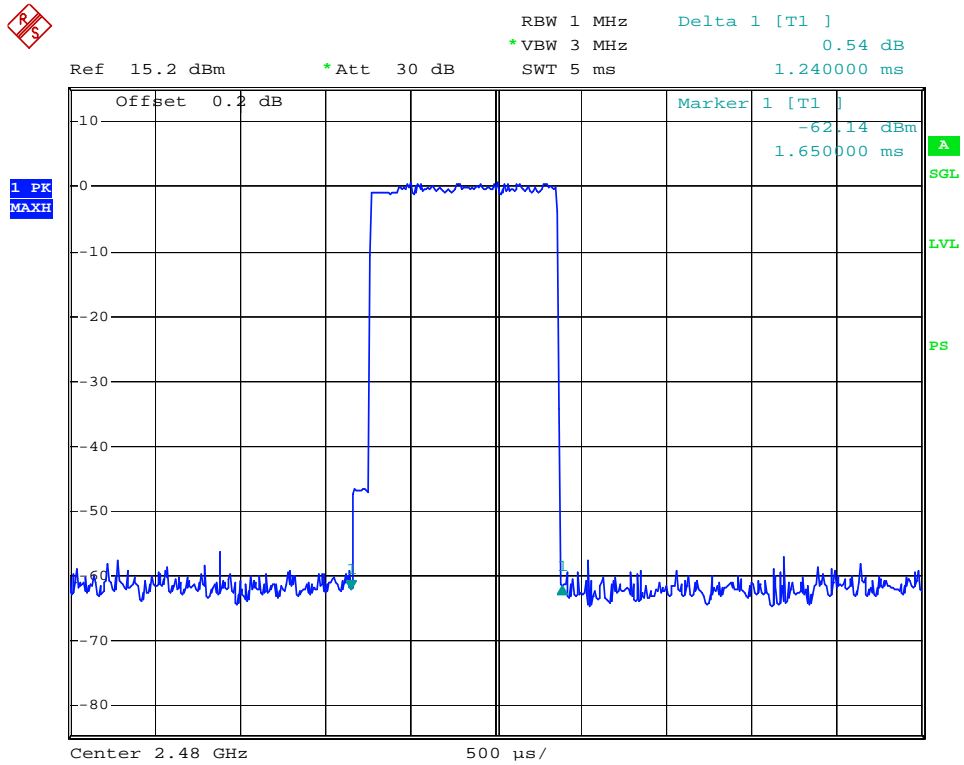
Middle Channel for DH5



dwell time middle channel DH5

Date: 28.OCT.2008 18:54:35

High Channel for DH5



dwll time high channel DH5

Date: 28.OCT.2008 18:55:43

CFR47 §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI Test Receiver.
3. Add a correction factor to the display.



Test Data

Environmental Conditions

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

* The testing was performed by Phoenix Liu on 2008-10-28 and 2008-12-24.

Test Result: Compliant.

Please refer to following tables and plots

Test Mode: Transmitting (BDR)

Channel	Channel Frequency (MHz)	Reading Power (dBm)	Power Output (mw)	Limit (mw)
Low	2402	2.19	1.66	125
Mid	2441	1.93	1.56	125
High	2480	1.58	1.44	125

Note: Typical Antenna Gain = 0 dBi

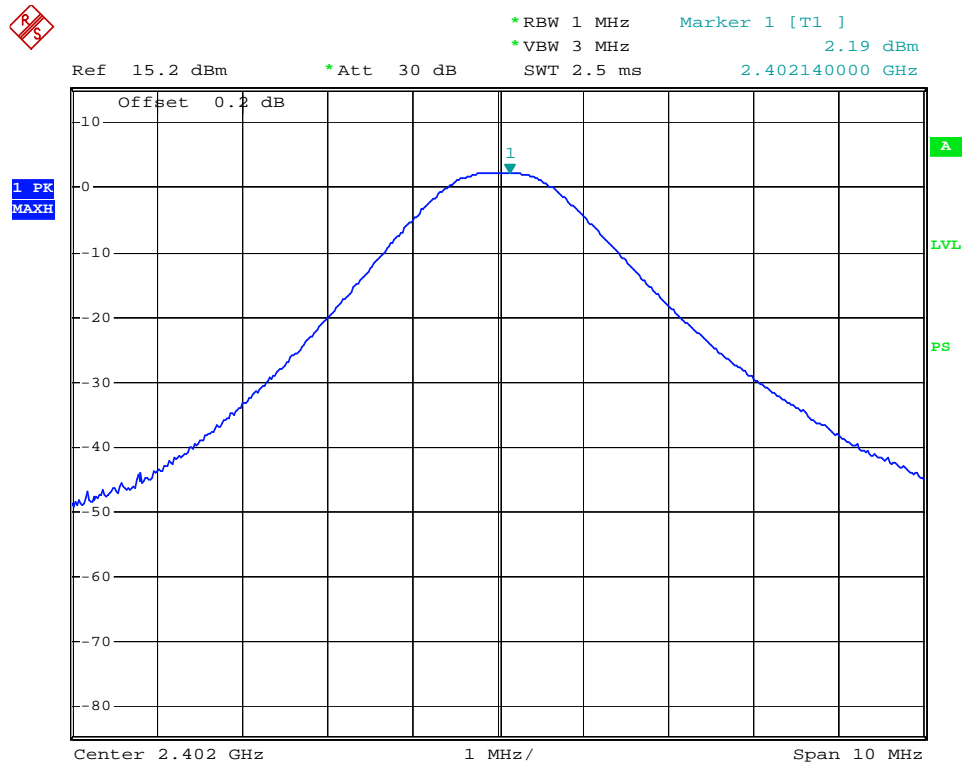
Test Mode: Transmitting (EDR)

Channel	Channel Frequency (MHz)	Reading Power (dBm)	Power Output (mw)	Limit (mw)
Low	2402	3.35	2.16	125
Mid	2441	3.33	2.15	125
High	2480	3.12	2.05	125

Note: Typical Antenna Gain = 0 dBi

Test Mode: Transmitting (BDR)

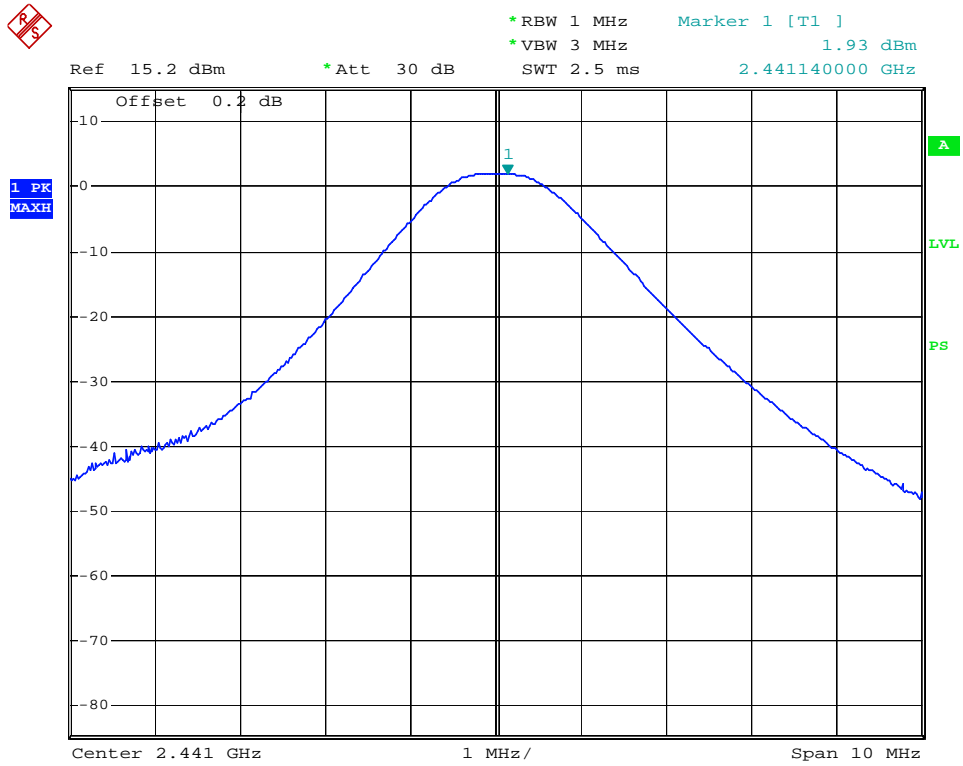
Low Channel



Peak of output power low channel

Date: 28.OCT.2008 16:54:36

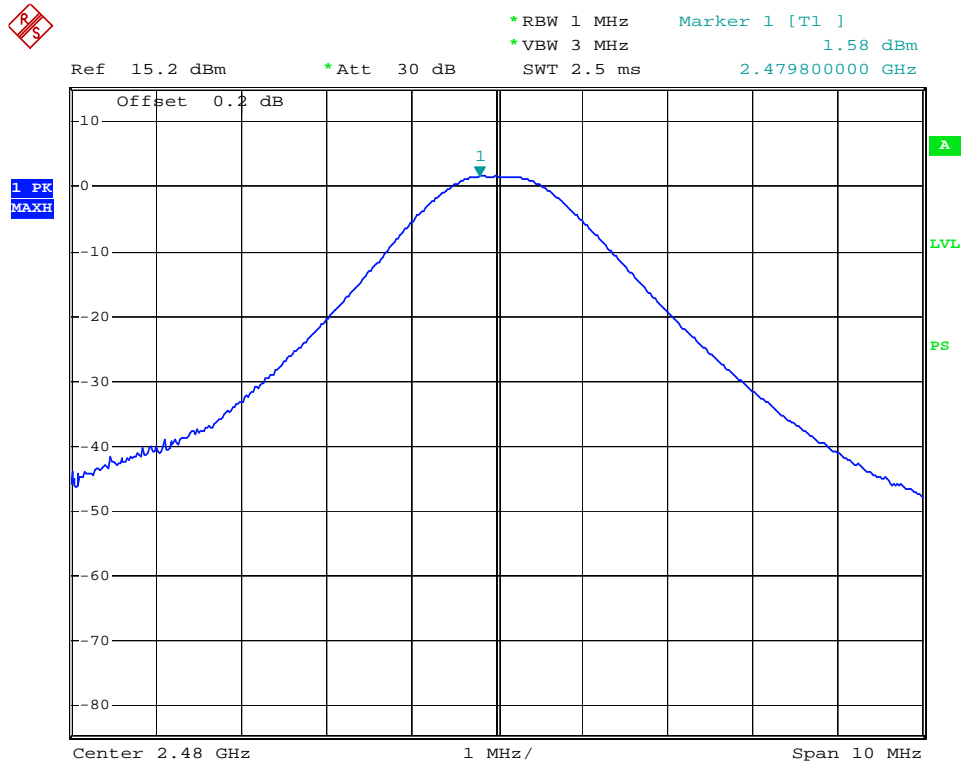
Middle Channel



peak of output power middle channel

Date: 28.OCT.2008 17:01:53

High Channel

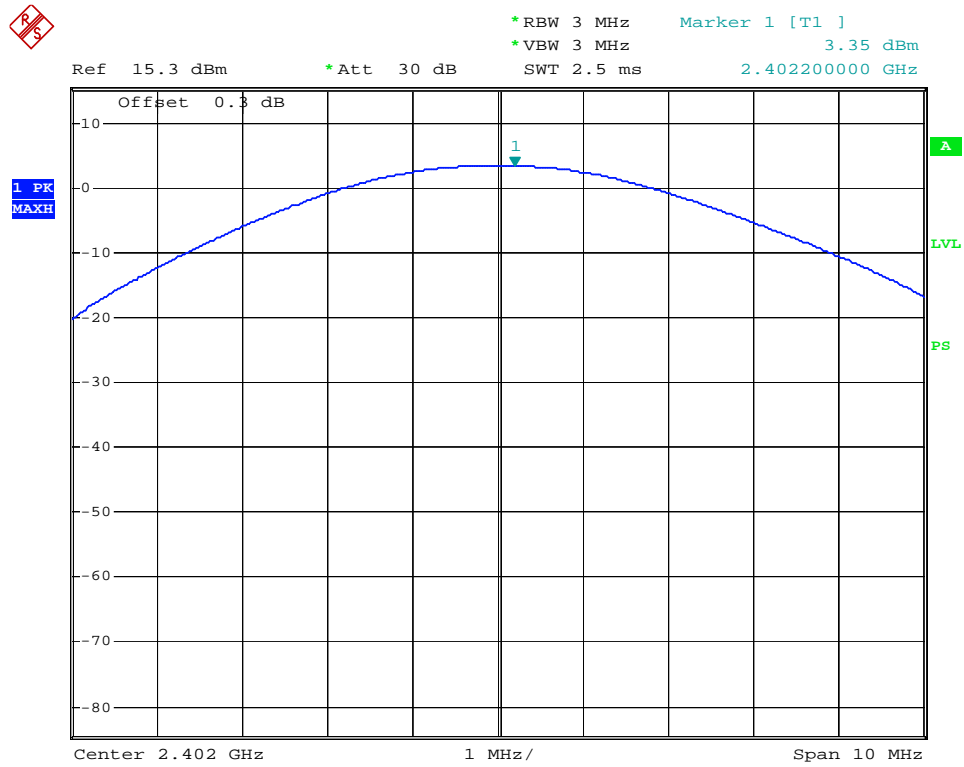


peak of output power high channel

Date: 28.OCT.2008 17:01:11

Test Mode: Transmitting (EDR)

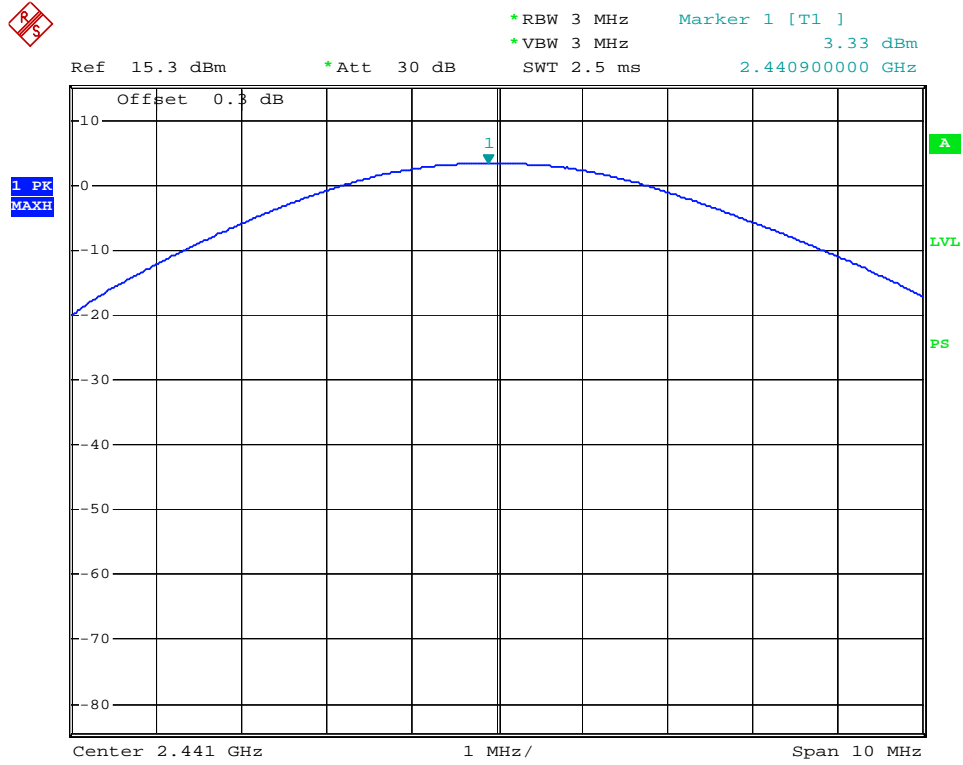
Low Channel



OUTPUT POWER low

Date: 24.DEC.2008 12:53:40

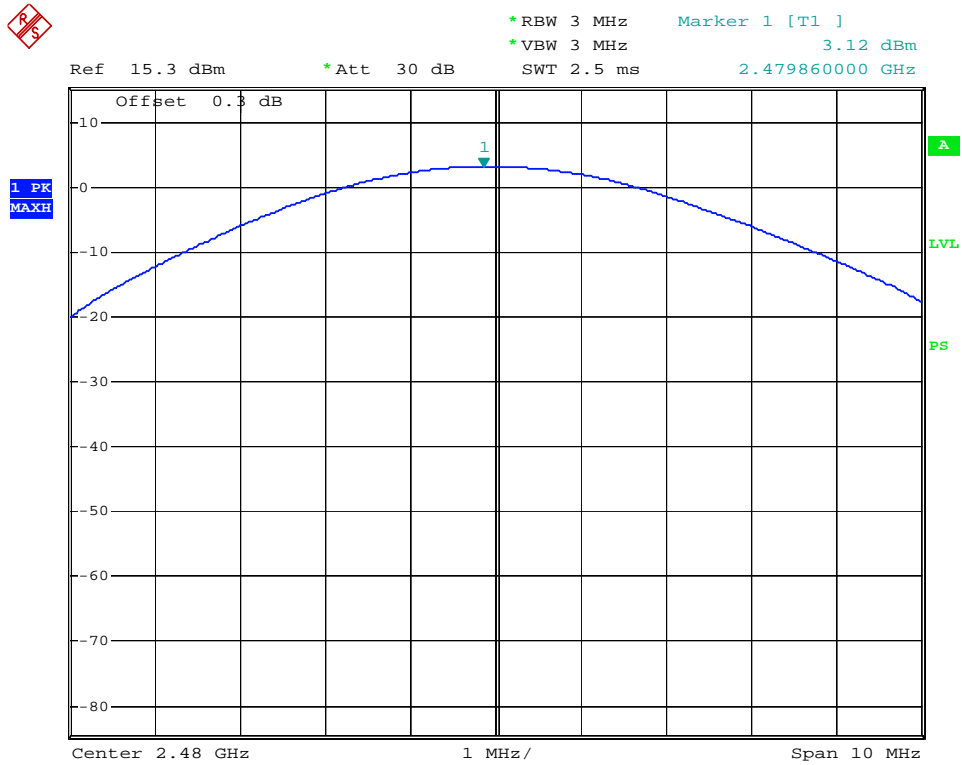
Middle Channel



OUTPUT POWER middle

Date: 24.DEC.2008 12:52:22

High Channel



OUTPUT POWER high

Date: 24.DEC.2008 12:54:36

CFR47 §15.247(d) - BAND EDGES TESTING

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2007-11-16	2008-11-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. For conducted measurements the transmitter shall be connected to the measuring equipment.
3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

Test Data**Environmental Conditions**

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

**The testing was performed by Phoenix Liu on 2008-10-28.*

Test Result: Compliant

Please refer to the following table and plots.

Test Mode: Transmitting (BDR)

Frequency (MHz)	Delta Peak to Band Emission (dBc)	Limit (dBc)
2399.900	40.99	20
2483.600	42.75	20

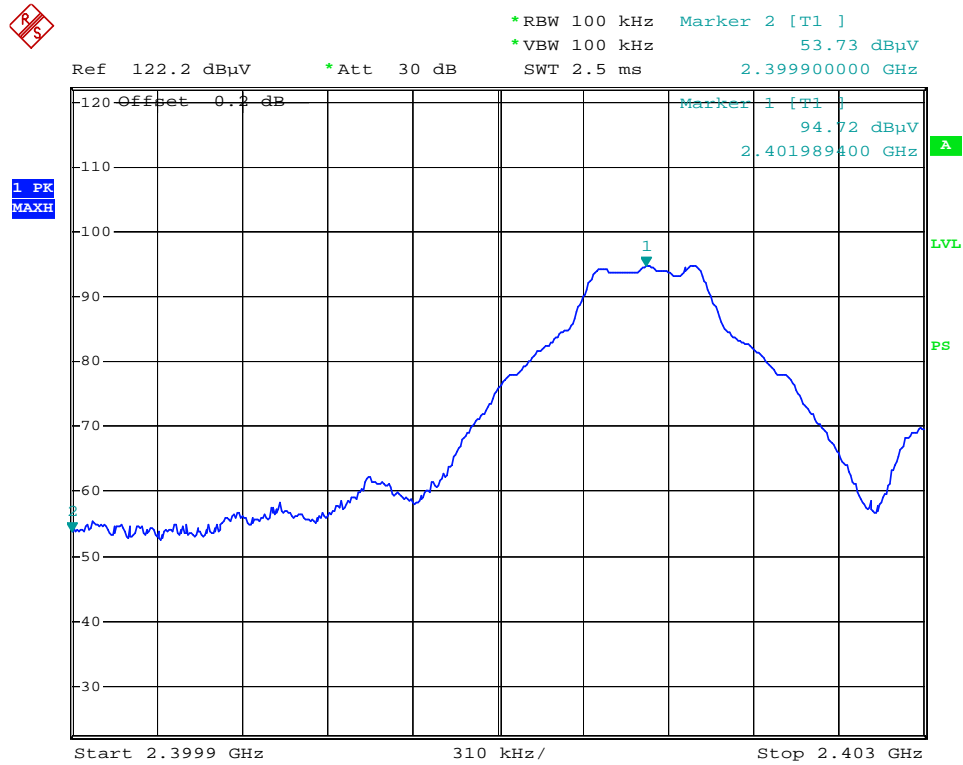
Test Mode: Transmitting (EDR)

Frequency (MHz)	Delta Peak to Band Emission (dBc)	Limit (dBc)
2399.900	40.36	20
2483.600	40.33	20

Note: The point fall into the stricted band was tested in FCC 15.209, please refer to the restrict band testing.

Test Mode: Transmitting (BDR)

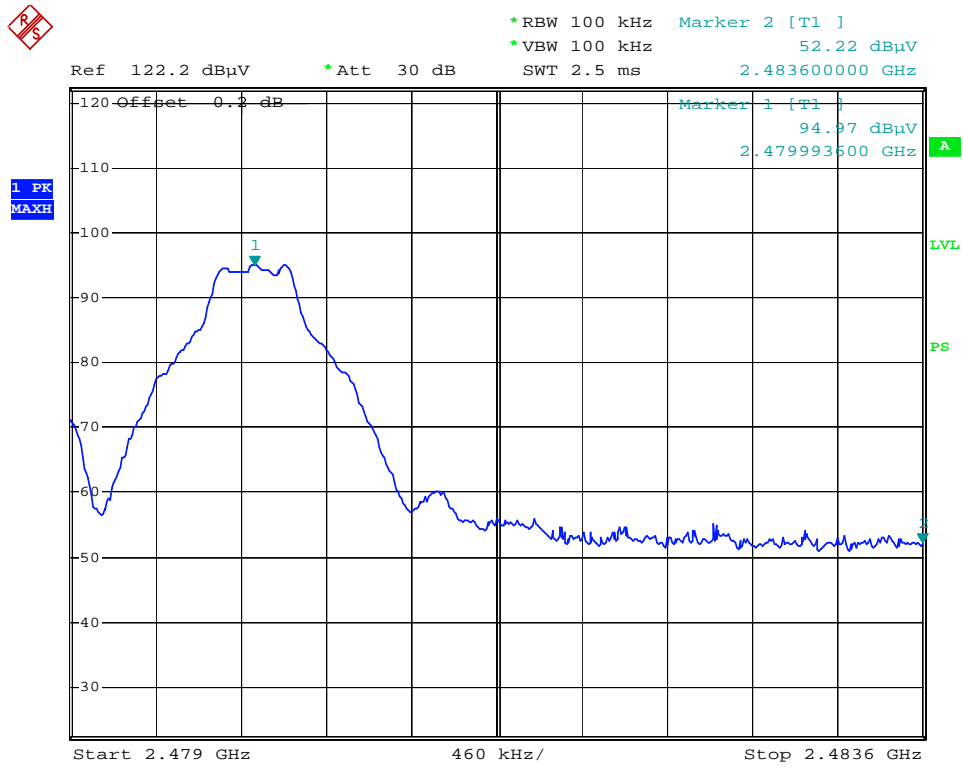
Band Edge Left Side



band edge left

Date: 28.OCT.2008 17:27:35

Band Edge Right Side

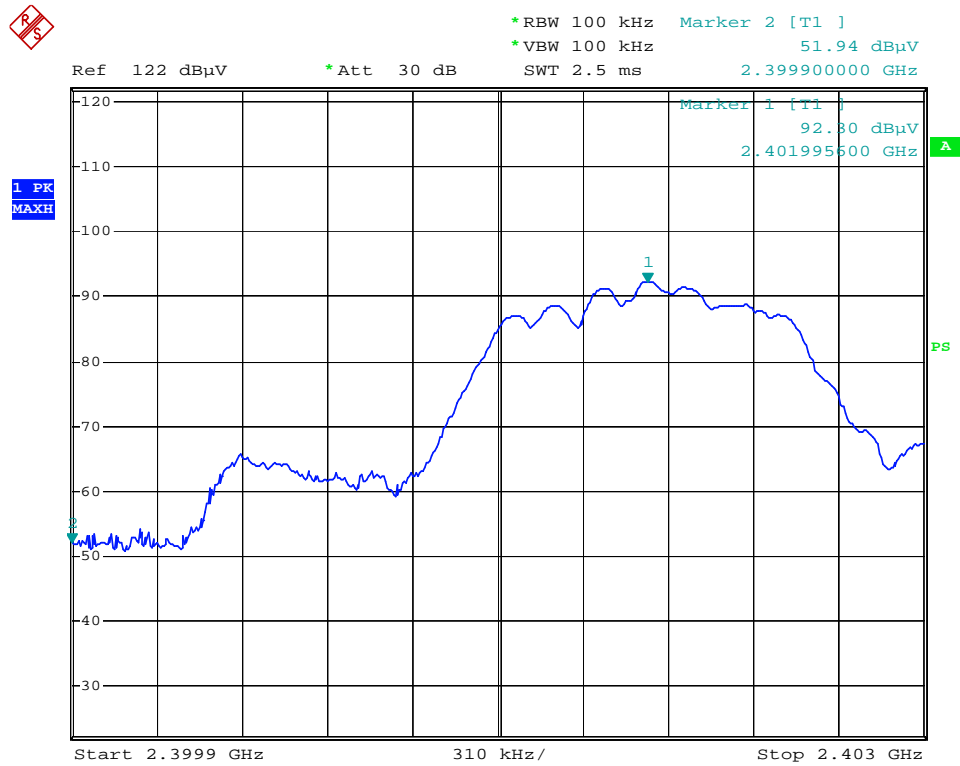


band edge right

Date: 28.OCT.2008 17:28:39

Test Mode: Transmitting (EDR)

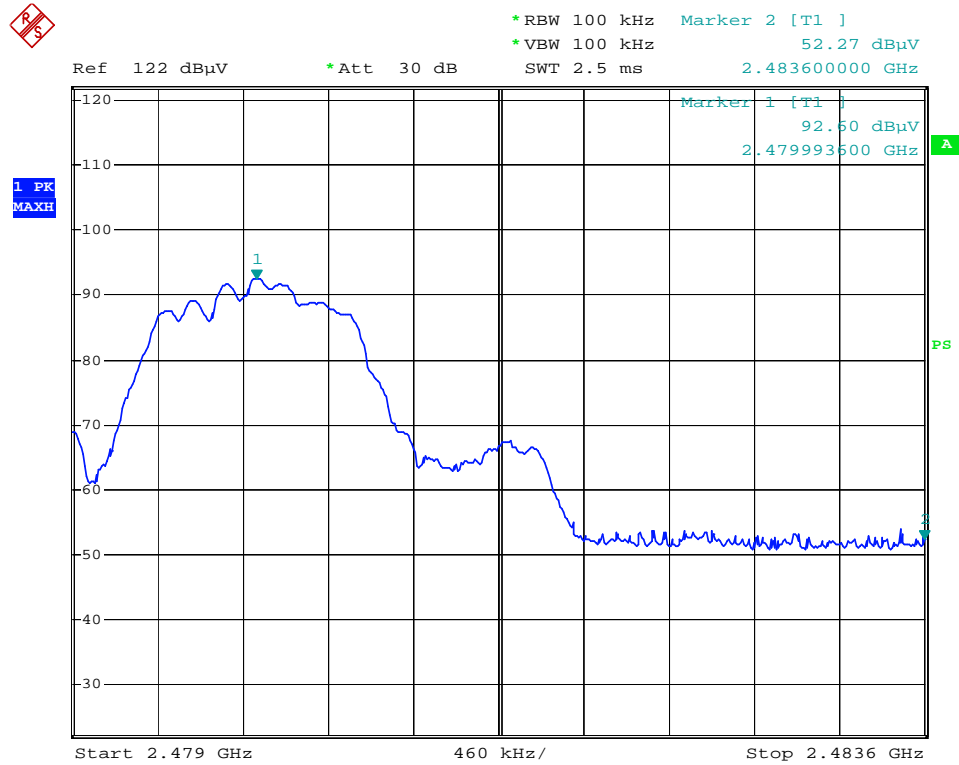
Band Edge Left Side



band edge left

Date: 28.OCT.2008 18:59:25

Band Edge Right Side



band edge right

Date: 28.OCT.2008 19:00:17

***** END OF REPORT *****