FCC PART 15 SUBPART C TEST REPORT FCC PART 15.247

Report Reference No.....:	A1301096020-1
FCC ID .....:	**ZRD-D7**
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Supervised by (position+printed name+signature)..:	Technique principal Robin Fang
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Date of issue.....:	May 8, 2013
Representative Laboratory Name .:	Shenzhen CTL Electron Technology Co., Ltd.
Address .....:	Room 405, The 3# of 4th Building, Zhuguang No.2 Industrial District, Xili Town, Nanshan, Shenzhen, China
Testing Laboratory Name .....:	DTT Services Co.,Ltd
Address .....:	1F,2 Block,Jiaquan Building,Guanlan High-tech Park,Bao'an District, Shenzhen,Guangdong,China. 518110
Applicant's name.....:	**Shenzhen livall Network Technology Co ltd**
Address .....:	9/F, Jiuzhou Electric Building, Southern No.12 rd Technology Park, Shenzhen
Test specification:	
Standard .....:	**FCC Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz Direct Sequence System**
TRF Originator.....:	Shenzhen CTL Electron Technology Co., Ltd.
Master TRF.....:	Dated 2012-06

Test item description .....:	TELPAD
Trade Mark .....:	Livall
Manufacturer .....:	Shenzhen livall Network Technology Co ltd
Model/Type reference.....:	D7
Listed Models .....:	/
Operation Frequency .....:	From 2412MHz to 2462MHz
Modulation Type .....:	CCK,OFDM
Result.....:	**Positive**

T E S T R E P O R T

Test Report No. :	A1301096020-1	May 8, 2013 Date of issue

Equipment under Test	:	TELPAD
Model /Type	:	D7
Listed Models	:	/
Applicant	:	**Shenzhen livall Netwotk Technology Co ltd**
Address	:	9/F, Jiuzhou Electric Building, Southern No.12 rd Technology Park, Shenzhen
Manufacturer	:	**Shenzhen livall Netwotk Technology Co ltd**
Address	:	9/F, Jiuzhou Electric Building, Southern No.12 rd Technology Park, Shenzhen

Test Result according to the standards on page 4:	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

ANSI C63.10:2009: American National Standard for Testing Unlicensed Wireless Devices

KDB558074: DTS Meas Guidance v02 of Measurement Procedure

2 . SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Jan 21,2013
Testing commenced on	:	Jan 21,2013
Testing concluded on	:	Jan 30, 2013

2.2. Equipment Under Test

Power supply system utilised

Power supply voltage	:	○	120V / 60 Hz	○	115V / 60Hz
		○	12 V DC	○	24 V DC
		●	Other (specified in blank below)		

DC 3.70V

2.3. Short description of the Equipment under Test (EUT)

2.4GHz (TELPAD)

For more details, refer to the user's manual of the EUT.

Serial number: Prototype

2.4. EUT operation mode

IEEE 802.11b/g/n: Eleven channels are provided to the EUT.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	**2412**	8	2447
2	2417	9	**2452**
3	**2422**	10	2457
4	2427	11	**2462**
5	2432	12	2467
6	**2437**	13	2472
7	2442		

2.5. Configuration of Tested System

Fig. 2-1 Configuration of Tested System

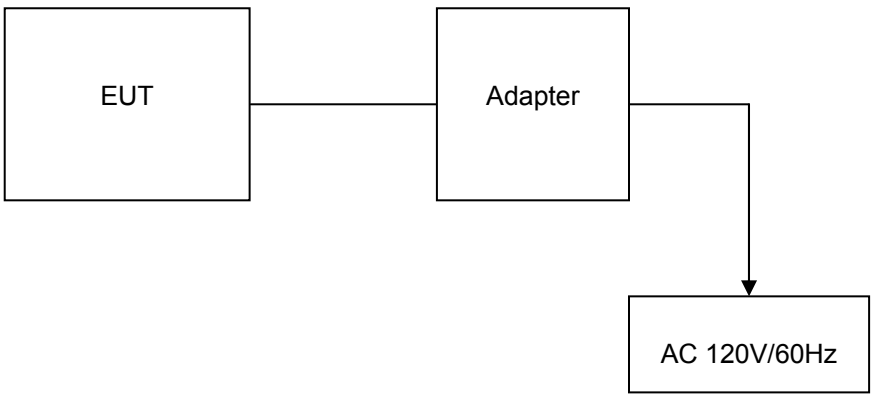


Table 2-1 Equipment Used in Tested System

Adapter:

Model:FR15WA-050250-US
Input:100-240V～50/60Hz 0.35A
Output: +5V DC 2.5A
Power Cable: 120cm
◇ Shielded ◆ Unshielded

2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID:ZRE-D7** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.7. Modifications

No modifications were implemented to meet testing criteria.

2.8. NOTE

1. The EUT including WLAN,Bluetooth function,The functions of the EUT listed as below:

	Test Standards	Reference Report
WLAN Radio	FCC Part 15 Subpart C (Section15.247)	A1301096020-1
Bluetooth	FCC Part 15 Subpart C (Section15.247)	A1301096020-2
SAR	OET 65	A1301096020-3
USB Port	FCC Part 15 Subpart B	A1301096020-4

2. he frequency bands used in this EUT are listed as follows:

Frequency Band(MHz)	2400-2483.5	5150-5350	5470-5725	5725-5850
802.11b	√	—	—	—
802.11g	√	—	—	—
802.11n(20MHz)	√	—	—	—
802.11n(40MHz)	√	—	—	—

3. The EUT incorporates a SISO function,Physically,the EUT provides one completed transmitter and one completed receiver.

Modulation Mode	TX Function
802.11b	1TX
802.11g	1TX
802.11n (20MHz)	1TX
802.11n (40MHz)	1TX

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

DTT Services Co.,Ltd
1F,2 Block,Jiaquan Building,Guanlan High-tech Park,Bao'an District, Shenzhen,Guangdong,China. 518110

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9783A

The 3m alternate test site of DTT Services Co.,Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Aug, 2011.

FCC-Registration No.: 214666

DTT Services Co.,Ltd EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 214666, Sep 19, 2011.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Test Description

FCC PART 15		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(2)	6dB Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Peak Output Power	PASS
FCC Part 15.247(e)	Power Spectral Density	PASS
FCC Part 15.109/ 15.205/ 15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge	PASS
FCC Part 15.203/15.247 (b)	Antenna Requirement	PASS

Remark: The measurement uncertainty is not included in the test result.
Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel
Maximum Peak Conducted Output Power Power Spectral Density 6dB Bandwidth Spurious RF conducted emission Radiated Emission 9kHz~1GHz& Radiated Emission 1GHz~10th Harmonic	11b/DSSS	1 Mbps	1/6/11
	11g/OFDM	6 Mbps	1/6/11
	11n(20MHz)/OFDM	6.5Mbps	1/6/11
	11n(40MHz)/OFDM	13.5 Mbps	3/6/9
Band Edge	11b/DSSS	1 Mbps	1/11
	11g/OFDM	6 Mbps	1/11
	11n(20MHz)/OFDM	6.5Mbps	1/11
	11n(40MHz)/OFDM	13.5 Mbps	3/9

Note1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the DTT Services Co.,Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for DTT Services Co.,Ltd is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-40 GHz	2.20 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth	---------	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

3.6. Equipments Used during the Test

Maximum Peak Output Power / Frequency Separation / 20dB Bandwidth / Band Edge Compliance of RF Emission / Spurious RF Conducted Emission/ Number of hopping frequency/ Time of Occupancy					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Spectrum Analyzer	AGILENT	E4407B	MY44210779	2012/4/23
2	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4425.40	2012/4/23

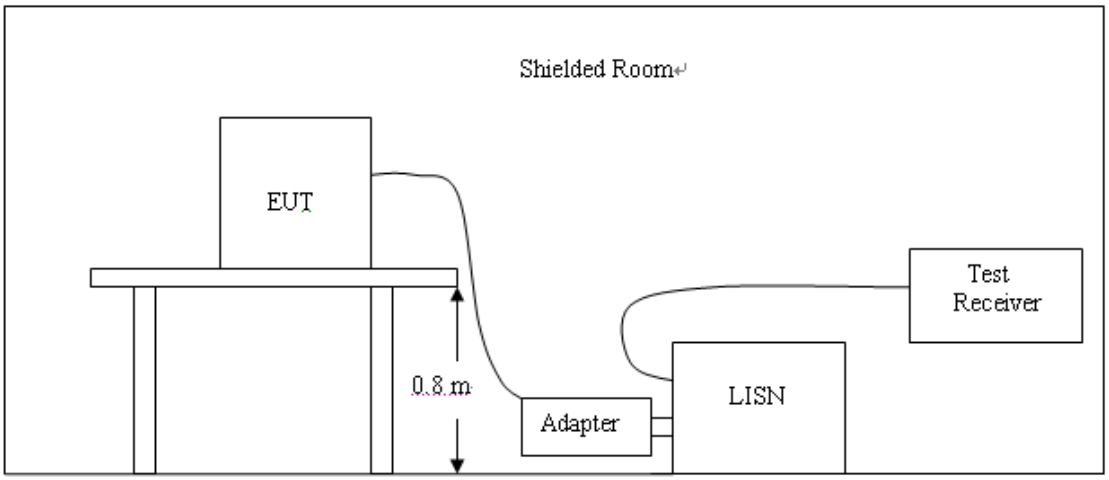
Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	ULTRA-BROADBAND ANTENNA	Rohde&Schwarz	HL562	100015	2012/4/23
2	EMI TEST OFTWARE	Rohde&Schwarz	ESK-1	N/A	----
3	HORN ANTENNA	Rohde&Schwarz	HF906	100039	2012/4/23
4	Amplifer	Sonoma	310N	E009-13	2012/4/23
5	JS amplifer	Rohde&Schwarz	JS4-00101800-28-5A	F201504	2012/4/23
6	High pass filter	Compliance Direction systems	BSU-6	34202	2012/4/23
7	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	470	2012/4/23
8	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	539	2012/4/23
9	HORN ANTENNA	ShwarzBeck	9120D	1011	2012/4/23
10	TURNTABLE	MATURO	TT2.0	----	2012/4/23
11	ANTENNA MAST	MATURO	TAM-4.0-P	----	2012/4/23
12	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100025	2012/4/23

The Calibration Interval was one year.

4. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2009.
2 Support equipment, if needed, was placed as per ANSI C63.10-2009
3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2009
4 The EUT received DC5V power from the adapter, the adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5 All support equipments received AC power from a second LISN, if any.
6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following：

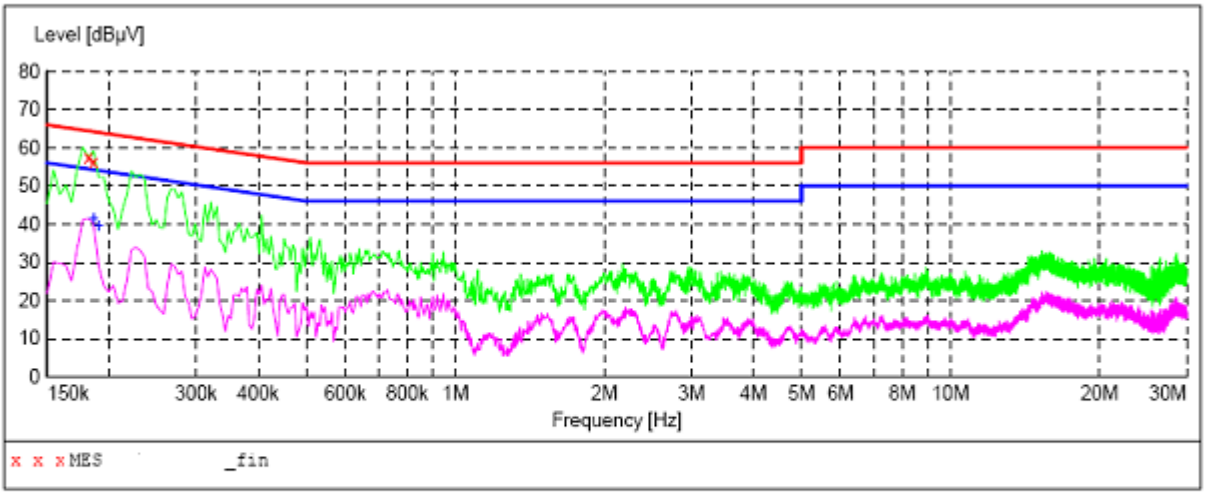
Frequency (MHz)	Maximum RF Line Voltage (dBμV)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency

TEST RESULTS

For Neutral

SCAN TABLE: "Voltage(150K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT:

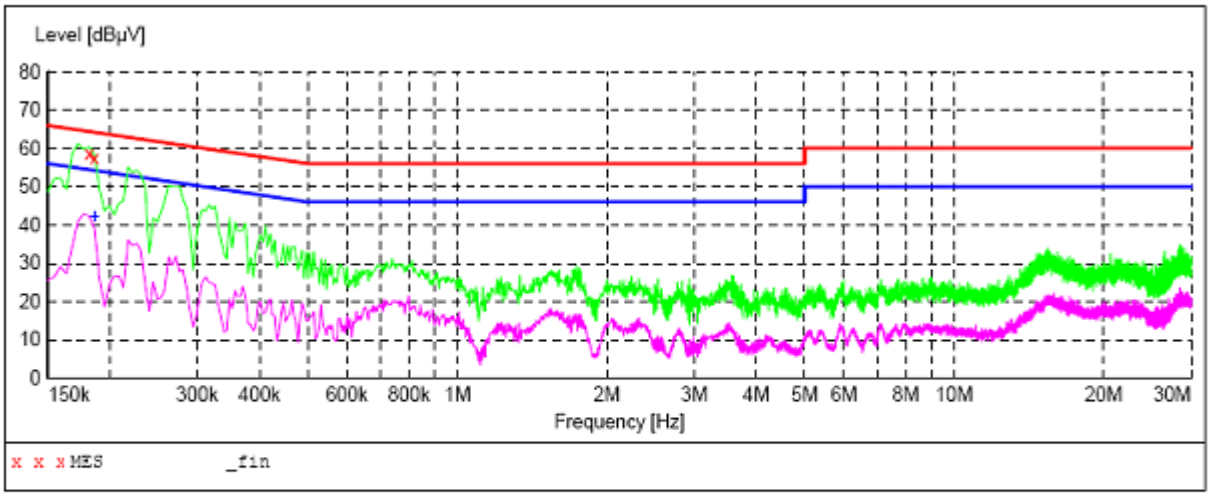
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.181500	57.60	11.0	64	6.8	QP	N	GND
0.186000	56.50	11.0	64	7.7	QP	N	GND

MEASUREMENT RESULT:

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.186000	41.60	11.0	54	12.6	AV	N	GND
0.190500	39.40	10.9	54	14.6	AV	N	GND

For Line

SCAN TABLE: "Voltage(150K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT:

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.181500	58.70	11.0	64	5.7	QP	L1	GND
0.186000	57.50	11.0	64	6.7	QP	L1	GND

MEASUREMENT RESULT:

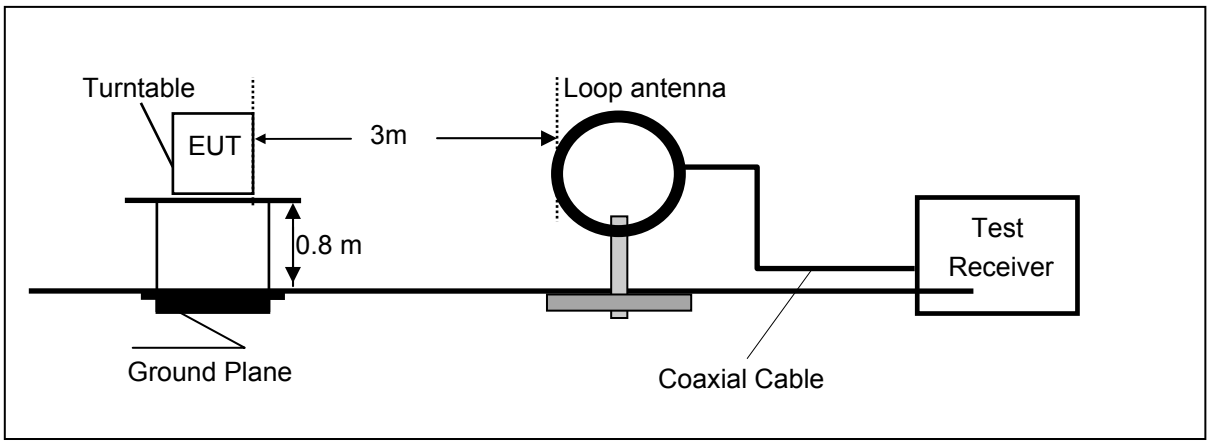
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.186000	42.30	11.0	54	11.9	AV	L1	GND

4.2. Radiated Emission

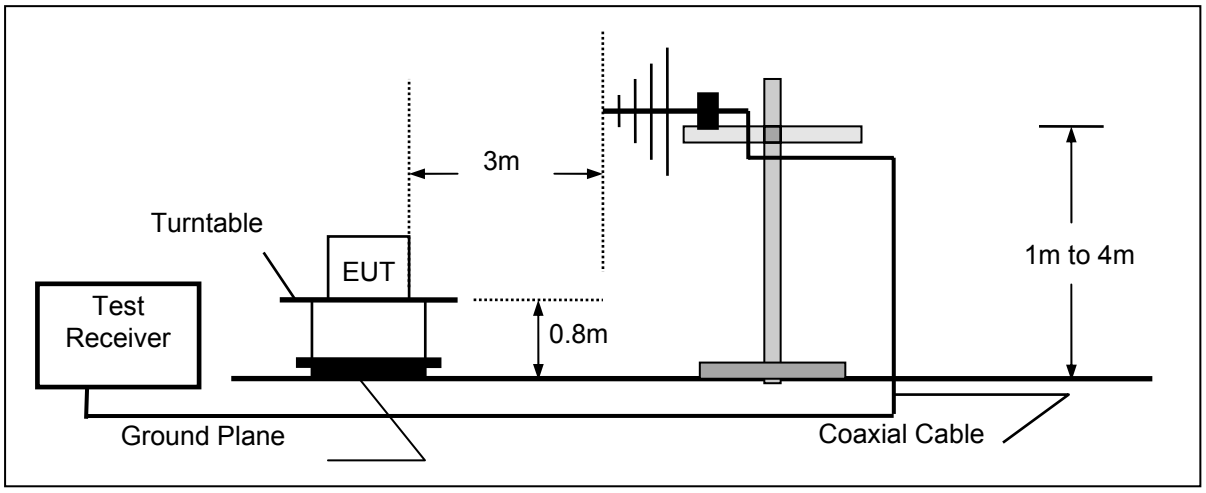
TEST CONFIGURATION

Radiated Emission Test Set-Up

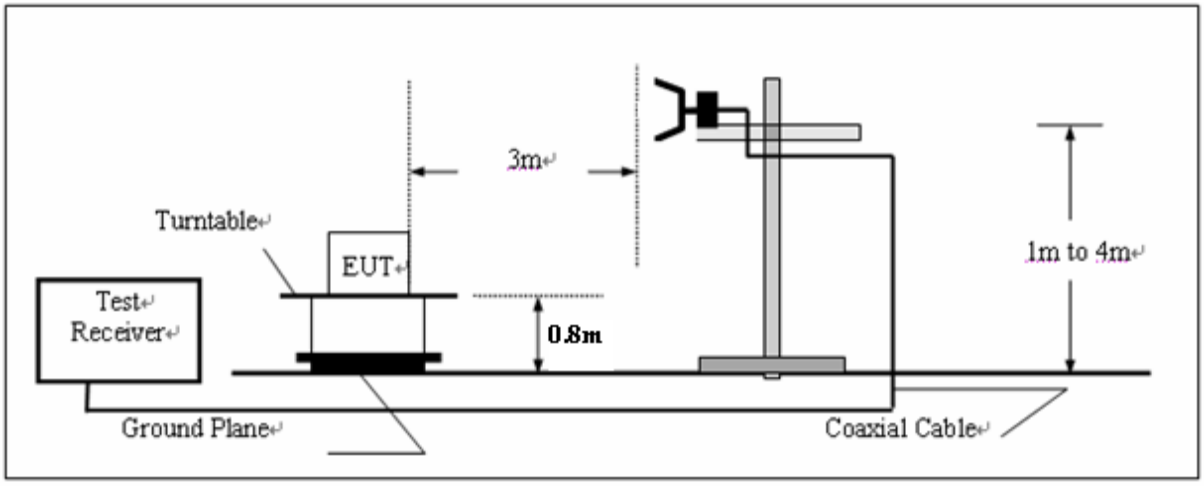
Frequency range 9KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

1 The EUT was placed on a turn table which is 0.8m above ground plane.
2 Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The minimum clock frequency was 12MHz, So the radiation emissions frequency range were tested from 9KHz to 25GHz.

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL – AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

For example

Frequency (MHz)	FS (dBμV/m)	RA (dBμV/m)	AF (dB)	CL (dB)	AG (dB)	Transd (dB)
300.00	40	58.1	12.2	1.6	31.90	-18.1

Transd=AF +CL-AG

RADIATION LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.247(d), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the100kHz bandwidth within the band that contains the highest level of desired power.

The frequency spectrum above 1 GHz for Transmitter was investigated. All emission not reported are much lower than the prescribed limits. Set the RBW=1MHz,VBW=3MHz for Peak Detector while the RBW=1MHz,VBW=10Hz for Average Detector,Readings are both peak and average values.

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

Radiated emission in frequency band below 30MHz

Frequency (MHz)	Corrected Reading (dBμV/m)@3m	FCC Limit (dBμV/m) @3m	Margin (dB)	Detector	Polari-zation
802.11 b					
24	41.26	49.54	8.28	QP	/
802.11 g					
24	41.00	49.54	8.54	QP	/
802.11 n20					
24	41.11	49.54	8.43	QP	/
802.11 n40					
24	41.00	49.54	8.54	QP	/

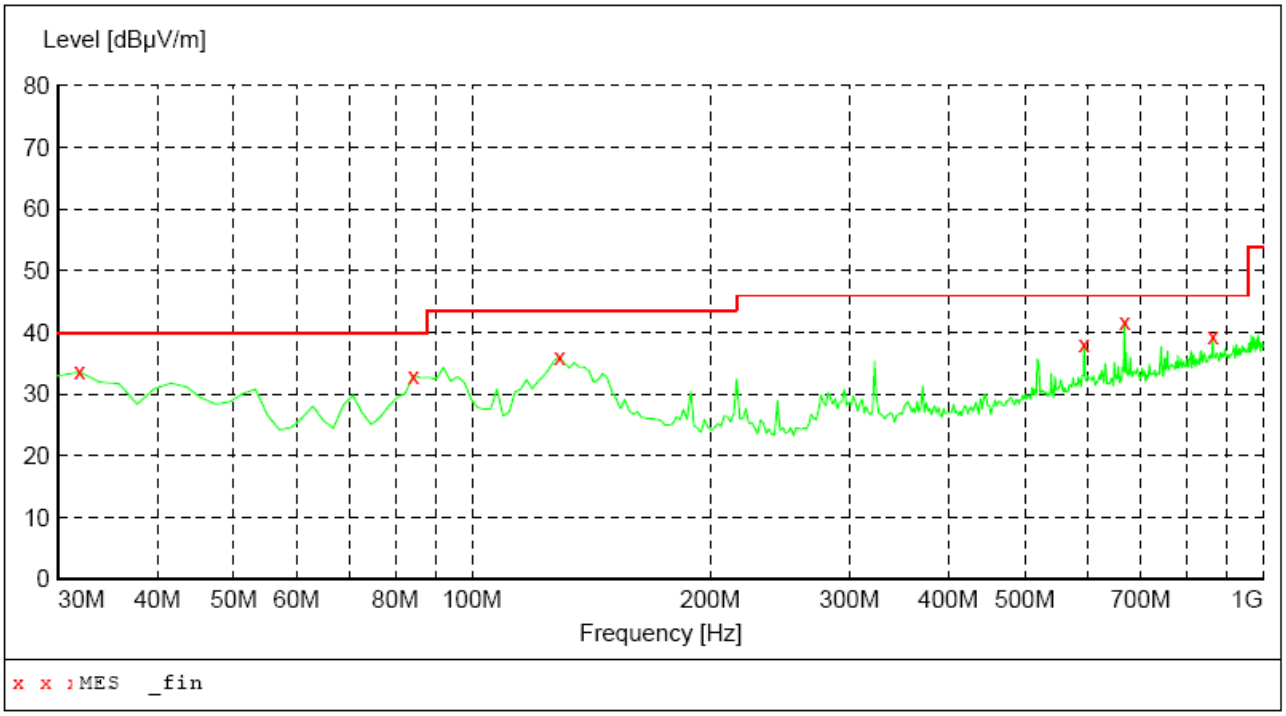
Note: 1.The radiated measurement are performed the each test mode (b/g/n) and channel (low/mid/high), the datum recorded below (802.11b mode,the middle channel) is the worst case for all the test mode and channel.
2. Loop Antenna for the radiation emission test below 30MHz.

TEST RESULTS

For 30MHz to 1000MHz（TX mode）

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW

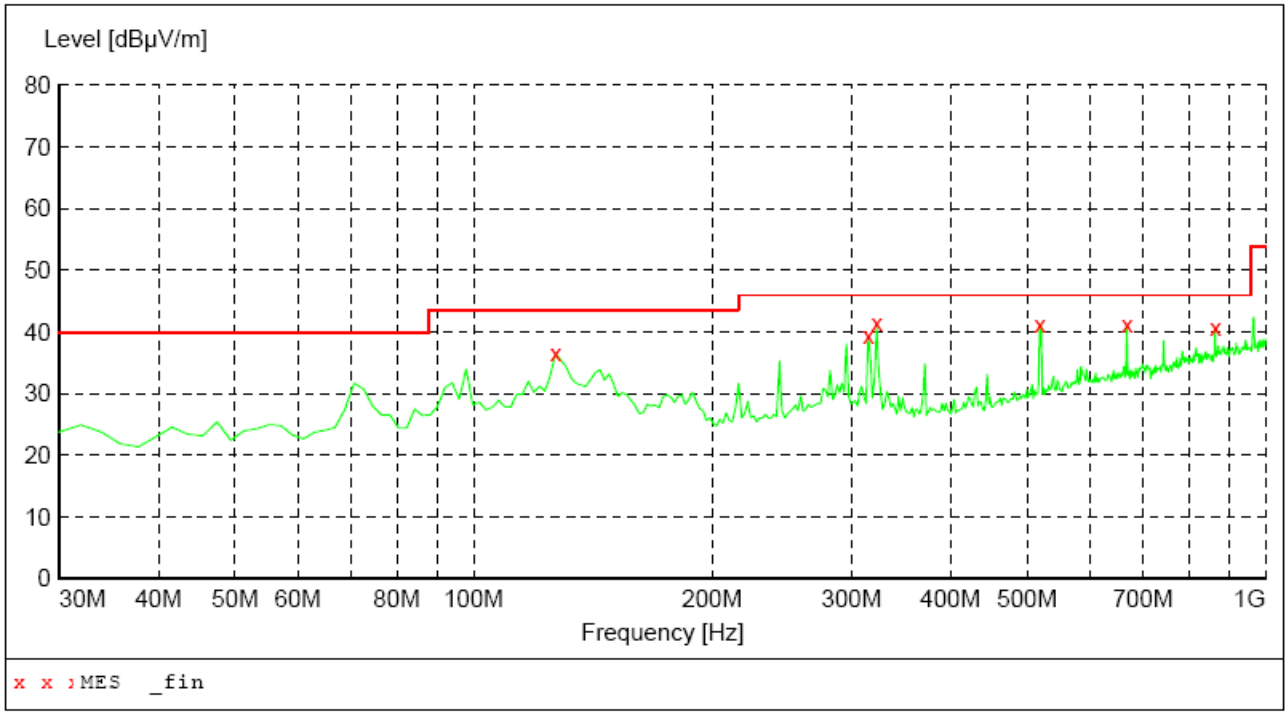


MEASUREMENT RESULT:

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
31.940000	33.60	14.4	40.0	6.4	QP	100.0	15.00	VERTICAL
84.320000	33.00	14.1	40.0	7.0	QP	100.0	124.00	VERTICAL
128.940000	36.00	13.9	43.5	7.5	QP	100.0	60.00	VERTICAL
594.540000	38.20	26.3	46.0	7.8	QP	100.0	238.00	VERTICAL
668.260000	41.80	27.2	46.0	4.2	QP	100.0	325.00	VERTICAL
864.200000	39.30	30.6	46.0	6.7	QP	100.0	75.00	VERTICAL

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT:

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
127.000000	36.60	14.1	43.5	6.9	QP	300.0	25.00	HORIZONTAL
315.180000	39.40	19.1	46.0	6.6	QP	100.0	30.00	HORIZONTAL
322.940000	41.50	19.3	46.0	4.5	QP	100.0	125.00	HORIZONTAL
518.880000	41.30	24.4	46.0	4.7	QP	100.0	350.00	HORIZONTAL
668.260000	41.20	27.2	46.0	4.8	QP	100.0	272.00	HORIZONTAL
864.200000	40.80	30.6	46.0	5.2	QP	100.0	105.00	HORIZONTAL

Remark:1.Emission Level=Antenna Factor+Cable Loss+Reading.

2.The Emission levels that are 20dB below the official limit are not reported.

3. The radiated measurement are performed the each test mode (b/g/n) and channel (low/mid/high), the datum recorded below (802.11b mode,the middle channel) is the worst case for all the test mode and channel.

Above 1G

The frequency spectrum above 1 GHz for Transmitter was investigated. All emission not reported are much lower than the prescribed limits. Set the RBW=1MHz,VBW=3MHz for Peak Detector while the RBW=1MHz,VBW=10Hz for Average Detector,Readings are both peak and average values. The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

For 802.11b&2412MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	104.90 PK			1.00 H	154	108.20	28.6	4.70	-36.6	-3.40
1	*2412.00	91.70 AV			1.00 H	154	95.00	28.6	4.70	-36.6	-3.40
2	4824.00	45.20 PK	74.00	28.80	1.00 H	341	43.30	32.2	6.20	-36.5	3.20
2	4824.00	33.30 AV	54.00	20.70	1.00 H	341	31.40	32.2	6.20	-36.5	3.20
3	9648.00	59.00 PK	74.00	15.00	1.00 H	113.	46.40	37.2	10.20	-34.8	12.60
3	9648.00	46.40 AV	54.00	7.60	1.00 H	113	33.80	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	104.90 PK			1.00 H	154	108.20	28.6	4.70	-36.6	-3.40
1	*2412.00	91.70 AV			1.00 H	154	95.00	28.6	4.70	-36.6	-3.40
3	4824.00	45.20 PK	74.00	28.80	1.00 H	341	43.30	32.2	6.20	-36.5	3.20
3	4824.00	33.30 AV	54.00	20.70	1.00 H	341	31.40	32.2	6.20	-36.5	3.20
6	9648.00	59.00 PK	74.00	15.00	1.00 H	113.	46.40	37.2	10.20	-34.8	12.60
6	9648.00	46.40 AV	54.00	7.60	1.00 H	113	33.80	37.2	10.20	-34.8	12.60

For 802.11b&2437MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	105.30 PK			1.00 H	153	108.50	28.3	5.10	-36.6	-3.20
1	*2437.00	92.30 AV			1.00 H	153	95.50	28.3	5.10	-36.6	-3.20
2	4874.00	46.40 PK	74.00	27.60	1.00 H	202	43.20	32.3	7.60	-36.5	3.40
2	4874.00	35.00 AV	54.00	19.00	1.00 H	202	31.60	32.3	7.60	-36.5	3.40
3	9748.00	58.20 PK	74.00	15.80	1.00 H	28	45.60	37.2	10.20	-34.8	12.60
3	9748.00	46.20 AV	54.00	7.80	1.00 H	28	33.60	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	107.70 PK			1.00 V	121	110.90	28.3	5.10	-36.6	-3.20
1	*2437.00	96.20 AV			1.00 V	121	98.40	28.3	5.10	-36.6	-3.20
3	4874.00	47.00 PK	74.00	27.00	1.00 V	97	43.60	32.3	7.60	-36.5	3.40
3	4874.00	35.10 AV	54.00	18.90	1.00 V	97	32.10	32.3	7.60	-36.5	3.40
6	9748.00	59.30 PK	74.00	14.70	1.00 V	89	46.70	37.2	10.20	-34.8	12.60
6	9748.00	46.20 AV	54.00	7.80	1.00 V	89	33.60	37.2	10.20	-34.8	12.60

For 802.11b&2462MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	104.90 PK			1.00 H	154	108.20	28.6	4.70	-36.6	-3.30
1	*2462.00	91.70 AV			1.00 H	154	95.00	28.6	4.70	-36.6	-3.30
2	4924.00	47.10 PK	74.00	26.90	1.00 H	100	43.30	33.0	7.00	-36.2	3.80
2	4924.00	35.10 AV	54.00	18.90	1.00 H	100	31.30	33.0	7.00	-36.2	3.80
3	9848.00	59.00 PK	74.00	15.00	1.00 H	113.	46.40	37.2	10.20	-34.8	12.60
3	9848.00	46.40 AV	54.00	7.60	1.00 H	113	33.80	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	107.90 PK			1.00 V	247	111.20	28.6	4.70	-36.6	-3.30
1	*2462.00	97.60 AV			1.00 V	247	100.90	28.6	4.70	-36.6	-3.30
3	4924.00	46.40 PK	74.00	27.60	1.00 V	90	42.60	33.0	7.00	-36.2	3.80
3	4924.00	35.10 AV	54.00	18.90	1.00 V	90	31.30	33.0	7.00	-36.2	3.80
6	9848.00	58.30 PK	74.00	15.70	1.00 V	222	45.70	37.2	10.20	-34.8	12.60
6	9848.00	46.10 AV	54.00	7.90	1.00 V	222	33.50	37.2	10.20	-34.8	12.60

REMARKS: 1. Emission level (dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB))+Pre-amplifier Factor
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.
5. The limit value is defined as per 15.247
6. "* ": Fundamental frequency
7. For Wireless 802.11b mode at 1Mbps.

For 802.11g&2412MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	102.20 PK			1.00 H	123	105.50	28.3	5.00	-36.6	-3.30
1	*2412.00	86.20 AV			1.00 H	123	89.50	28.3	5.00	-36.6	-3.30
2	4824.00	46.20 PK	74.00	27.80	1.00 H	216	42.40	32.7	7.30	-36.2	3.80
2	4824.00	35.10 AV	54.00	18.90	1.00 H	216	31.30	32.7	7.30	-36.2	3.80
3	9648.00	58.10 PK	74.00	15.90	1.00 H	72	45.50	37.2	10.20	-34.8	12.60
3	9648.00	46.20 AV	54.00	7.80	1.00 H	72	33.60	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	105.30 PK			1.00 V	127	108.60	28.3	5.00	-36.6	-3.30
1	*2412.00	96.50 AV			1.00 V	127	99.80	28.3	5.00	-36.6	-3.30
3	4824.00	46.10 PK	74.00	27.90	1.00 V	95	42.30	32.7	7.30	-36.2	3.80
3	4824.00	35.00 AV	54.00	19.00	1.00 V	95	31.20	32.7	7.30	-36.2	3.80
6	9648.00	58.60 PK	74.00	15.40	1.00 V	264	46.00	37.2	10.20	-34.8	12.60
6	9648.00	46.20 AV	54.00	7.80	1.00 V	264	33.60	37.2	10.20	-34.8	12.60

For 802.11g&2437MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	104.40 PK			1.00 H	100	107.60	28.3	5.10	-36.6	-3.20
1	*2437.00	87.00 AV			1.00 H	100	90.20	28.3	5.10	-36.6	-3.20
2	4874.00	46.40 PK	74.00	27.60	1.00 H	214	43.00	32.8	7.10	-36.5	3.40
2	4874.00	35.10 AV	54.00	18.90	1.00 H	214	31.70	32.8	7.10	-36.5	3.40
3	9748.00	57.80 PK	74.00	16.20	1.00 H	163	45.20	37.2	10.20	-34.8	12.60
3	9748.00	46.30 AV	54.00	7.70	1.00 H	163	33.70	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	107.50 PK			1.00 V	122	110.70	28.3	5.10	-36.6	-3.20
1	*2437.00	94.80 AV			1.00 V	122	98.00	28.3	5.10	-36.6	-3.20
3	4874.00	46.10 PK	74.00	27.90	1.00 V	100	42.70	32.8	7.10	-36.5	3.40
3	4874.00	35.10 AV	54.00	18.90	1.00 V	100	31.70	32.8	7.10	-36.5	3.40
6	9748.00	58.60 PK	74.00	15.40	1.00 V	26	46.00	37.2	10.20	-34.8	12.60
6	9748.00	48.20 AV	54.00	7.80	1.00 V	26	35.60	37.2	10.20	-34.8	12.60

For 802.11b&2462MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	99.50 PK			1.00 H	156	102.80	28.2	5.10	-36.6	-3.30
1	*2462.00	85.80 AV			1.00 H	156	89.10	28.2	5.10	-36.6	-3.30
2	4924.00	46.90 PK	74.00	27.10	1.00 H	198	43.10	33.0	7.00	-36.2	3.80
2	4924.00	34.90 AV	54.00	19.10	1.00 H	198	31.10	33.0	7.00	-36.2	3.80
3	9848.00	58.60 PK	74.00	15.40	1.00 H	124	46.00	37.3	10.10	-34.8	12.60
3	9848.00	46.20 AV	54.00	7.80	1.00 H	124	33.60	37.3	10.10	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	101.50 PK			1.00 V	125	105.80	28.2	5.10	-36.6	-3.30
1	*2462.00	89.10 AV			1.00 V	125	94.40	28.2	5.10	-36.6	-3.30
3	4924.00	46.10 PK	74.00	27.90	1.00 V	96	42.30	33.0	7.00	-36.2	3.80
3	4924.00	34.80 AV	54.00	19.20	1.00 V	96	31.00	33.0	7.00	-36.2	3.80
6	9848.00	58.60 PK	74.00	15.40	1.00 V	37	46.00	37.3	10.10	-34.8	12.60
6	9848.00	46.20 AV	54.00	7.80	1.00 V	37	33.60	37.3	10.10	-34.8	12.60

REMARKS:
1. Emission level (dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB))+Pre-amplifier Factor
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.
5. The limit value is defined as per 15.247
6. "* ": Fundamental frequency
7. For Wireless 802.11g mode at 6 Mbps.

For 802.11n(20MHz)&2412MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	101.40 PK			1.00 H	100	104.70	28.3	5.00	-36.6	-3.30
1	*2412.00	85.30 AV			1.00 H	100	88.60	28.3	5.00	-36.6	-3.30
2	4824.00	46.20 PK	74.00	27.80	1.00 H	204	42.40	32.7	7.30	-36.2	3.80
2	4824.00	35.10 AV	54.00	18.90	1.00 H	204	31.30	32.7	7.30	-36.2	3.80
3	9648.00	58.60 PK	74.00	15.40	1.00 H	93	46.00	37.2	10.20	-34.8	12.60
3	9648.00	46.20 AV	54.00	7.80	1.00 H	93	33.60	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2412.00	102.40 PK			1.00 V	123	105.70	28.3	5.00	-36.6	-3.30
1	*2412.00	88.00 AV			1.00 V	123	91.30	28.3	5.00	-36.6	-3.30
3	4824.00	46.40 PK	74.00	27.60	1.00 V	100	42.60	32.7	7.30	-36.2	3.80
3	4824.00	34.70 AV	54.00	19.30	1.00 V	100	30.90	32.7	7.30	-36.2	3.80
6	9648.00	58.90 PK	74.00	15.10	1.00 V	1163	46.30	37.2	10.20	-34.8	12.60
6	9648.00	46.00 AV	54.00	8.00	1.00 V	116	33.40	37.2	10.20	-34.8	12.60

For 802.11n(20MHz)&2437MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	103.40 PK			1.00 H	120	106.60	28.3	5.10	-36.6	-3.20
1	*2437.00	90.80 AV			1.00 H	120	94.00	28.3	5.10	-36.6	-3.20
2	4874.00	46.30 PK	74.00	27.70	1.00 H	194	42.90	32.3	7.60	-36.5	3.40
2	4874.00	34.90 AV	54.00	19.10	1.00 H	194	31.50	32.3	7.60	-36.5	3.40
3	9748.00	58.70 PK	74.00	15.30	1.00 H	36	46.10	37.2	10.20	-34.8	12.60
3	9748.00	46.20 AV	54.00	7.80	1.00 H	36	33.60	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	107.50 PK			1.00 V	122	110.70	28.3	5.10	-36.6	-3.20
1	*2437.00	93.60 AV			1.00 V	122	99.80	28.3	5.10	-36.6	-3.20
3	4874.00	47.50 PK	74.00	26.50	1.00 V	181	44.10	32.3	7.60	-36.5	3.40
3	4874.00	34.90 AV	54.00	19.10	1.00 V	181	31.50	32.3	7.60	-36.5	3.40
6	9748.00	58.50 PK	74.00	15.50	1.00 V	335	45.90	37.2	10.20	-34.8	12.60
6	9748.00	46.00 AV	54.00	8.00	1.00 V	335	33.40	37.2	10.20	-34.8	12.60

For 802.11n(20MHz)&2462MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	99.50 PK			1.00 H	122	102.80	28.2	5.10	-36.6	-3.30
1	*2462.00	85.50 AV			1.00 H	122	88.80	28.2	5.10	-36.6	-3.30
2	4924.00	46.40 PK	74.00	27.60	1.00 H	217	42.60	33.0	7.00	-36.2	3.80
2	4924.00	34.90 AV	54.00	19.10	1.00 H	217	31.10	33.0	7.00	-36.2	3.80
3	9848.00	58.20 PK	74.00	15.80	1.00 H	118	45.60	37.3	10.10	-34.8	12.60
3	9848.00	46.20 AV	54.00	7.80	1.00 H	118	33.60	37.3	10.10	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2462.00	101.50 PK			1.00 V	125	104.80	28.2	5.10	-36.6	-3.30
1	*2462.00	87.30 AV			1.00 V	125	90.60	28.2	5.10	-36.6	-3.30
3	4924.00	46.80 PK	74.00	27.20	1.00 V	100	51.60	33.0	7.00	-36.2	3.80
3	4924.00	35.00 AV	54.00	19.00	1.00 V	100	36.40	33.0	7.00	-36.2	3.80
6	9848.00	57.80 PK	74.00	16.20	1.00 V	187	45.20	37.3	10.10	-34.8	12.60
6	9848.00	46.00 AV	54.00	8.00	1.00 V	187	33.40	37.3	10.10	-34.8	12.60

REMARKS: 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB))+ Pre-amplifier Factor
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency
7. For Wireless 802.11n (20MHz) mode at 6.5Mbps.

For 802.11n(40MHz)&2422MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2422.00	95.70 PK			1.00 H	123	99.00	28.3	5.00	-36.6	-3.30
1	*2422.00	78.10 AV			1.00 H	123	81.40	28.3	5.00	-36.6	-3.30
2	4844.00	45.80 PK	74.00	28.20	1.00 H	91	42.00	32.7	7.30	-36.2	3.80
2	4844.00	34.60 AV	54.00	19.40	1.00 H	91	30.80	32.7	7.30	-36.2	3.80
3	9688.00	57.60 PK	74.00	16.40	1.00 H	337	45.00	37.2	10.20	-34.8	12.60
3	9688.00	45.70 AV	54.00	8.30	1.00 H	337	33.10	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2422.00	98.70 PK			1.00 V	127	102.00	28.3	5.00	-36.6	-3.30
1	*2422.00	81.60 AV			1.00 V	127	85.90	28.3	5.00	-36.6	-3.30
3	4844.00	46.10 PK	74.00	27.90	1.00 V	211	42.30	32.7	7.30	-36.2	3.80
3	4844.00	34.60 AV	54.00	19.40	1.00 V	211	30.80	32.7	7.30	-36.2	3.80
6	9688.00	57.90 PK	74.00	16.10	1.00 V	249	45.30	37.2	10.20	-34.8	12.60
6	9688.00	46.00 AV	54.00	8.00	1.00 V	249	33.40	37.2	10.20	-34.8	12.60

For 802.11n(40MHz)&2437MHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	99.30 PK			1.00 H	100	102.50	28.3	5.10	-36.6	-3.20
1	*2437.00	83.70 AV			1.00 H	100	86.90	28.3	5.10	-36.6	-3.20
2	4874.00	46.40 PK	74.00	27.60	1.00 H	198	43.00	32.3	7.60	-36.5	3.40
2	4874.00	34.60 AV	54.00	19.40	1.00 H	198	31.20	32.3	7.60	-36.5	3.40
3	9748.00	58.30 PK	74.00	15.70	1.00 H	56	45.70	37.2	10.20	-34.8	12.60
3	9748.00	45.70 AV	54.00	8.30	1.00 H	56	33.10	37.2	10.20	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2437.00	102.50 PK			1.00 V	122	105.70	28.3	5.10	-36.6	-3.20
1	*2437.00	85.00 AV			1.00 V	122	88.20	28.3	5.10	-36.6	-3.20
3	4874.00	46.20 PK	74.00	27.80	1.00 V	96	42.80	32.3	7.60	-36.5	3.40
3	4874.00	34.60 AV	54.00	19.40	1.00 V	96	31.20	32.3	7.60	-36.5	3.40
6	9748.00	58.50 PK	74.00	15.50	1.00 V	299	45.90	37.2	10.20	-34.8	12.60
6	9748.00	46.00 AV	54.00	8.00	1.00 V	299	33.40	37.2	10.20	-34.8	12.60

For 802.11n(40MHz)&2452MHz

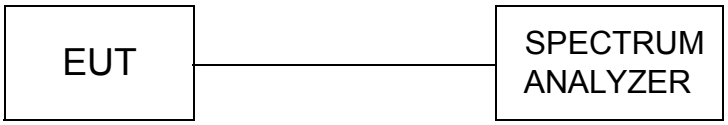
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2452.00	91.60 PK			1.00 H	153	94.80	28.2	5.20	-36.6	-3.20
1	*2452.00	73.90 AV			1.00 H	153	77.10	28.2	5.20	-36.6	-3.20
2	4904.00	46.50 PK	74.00	27.50	1.00 H	204	42.70	33.0	7.00	-36.2	3.80
2	4904.00	34.70 AV	54.00	19.30	1.00 H	204	30.90	33.0	7.00	-36.2	3.80
3	9808.00	58.10 PK	74.00	15.90	1.00 H	118	45.50	37.3	10.10	-34.8	12.60
3	9808.00	46.00 AV	54.00	8.00	1.00 H	118	33.40	37.3	10.10	-34.8	12.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	*2452.00	93.50 PK			1.00 V	125	96.70	28.2	5.20	-36.6	-3.20
1	*2452.00	75.80 AV			1.00 V	125	79.00	28.2	5.20	-36.6	-3.20
3	4904.00	45.70 PK	74.00	28.80	1.00 V	177	41.90	33.0	7.00	-36.2	3.80
3	4904.00	34.70 AV	54.00	19.30	1.00 V	177	30.90	33.0	7.00	-36.2	3.80
6	9808.00	58.90 PK	74.00	15.10	1.00 V	315	46.30	37.3	10.10	-34.8	12.60
6	9808.00	46.20 AV	54.00	7.80	1.00 V	315	33.60	37.3	10.10	-34.8	12.60

REMARKS: 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB))+ Pre-amplifier Factor
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency
7. For Wireless 802.11n (40MHz) mode at 13.5Mbps.

4.3. Maximum Peak Output Power

TEST CONFIGURATION



TEST PROCEDURE

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum.

LIMIT

The Maximum Peak Output Power Measurement is 30dBm.

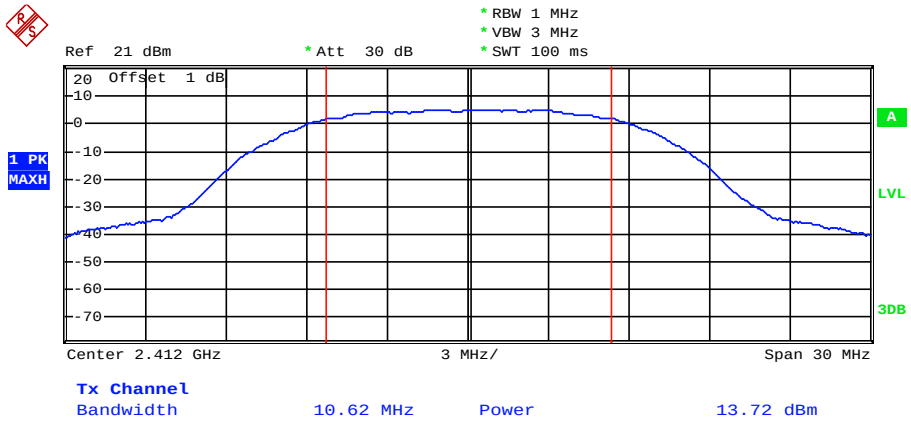
TEST RESULTS

Channel	Frequency (MHz)	Reading Power Output(dBm)	Limit (dBm)	Verdict
802.11b				
Low	2412	13.72	30	PASS
Middle	2437	13.83	30	PASS
High	2462	13.83	30	PASS
802.11g				
Low	2412	12.53	30	PASS
Middle	2437	12.86	30	PASS
High	2462	12.95	30	PASS
802.11n20				
Low	2412	11.89	30	PASS
Middle	2437	12.26	30	PASS
High	2462	12.40	30	PASS
802.11n40				
Low	2422	12.38	30	PASS
Middle	2437	12.61	30	PASS
High	2452	12.78	30	PASS

Remark:1.Test results including cable loss;
2.Each mode test difference speeds and recorded worst cases at each mode.

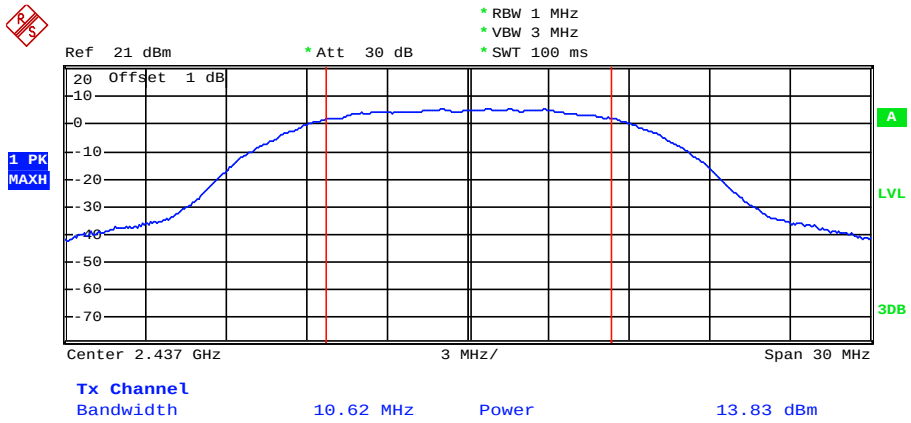
Photos of Maximum Peak Output Power

802.11b Mode channel 1



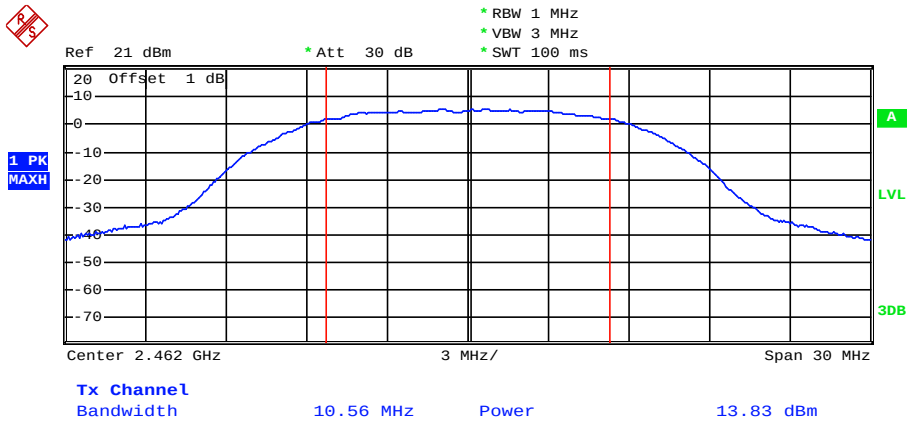
Date: 25.JAN.2013 16:54:14

802.11b Mode channel 6



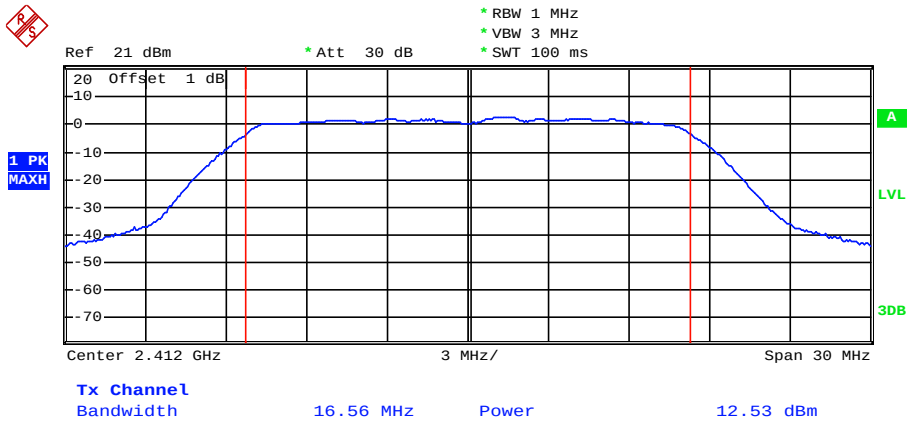
Date: 25.JAN.2013 16:59:07

802.11b Mode channel 11



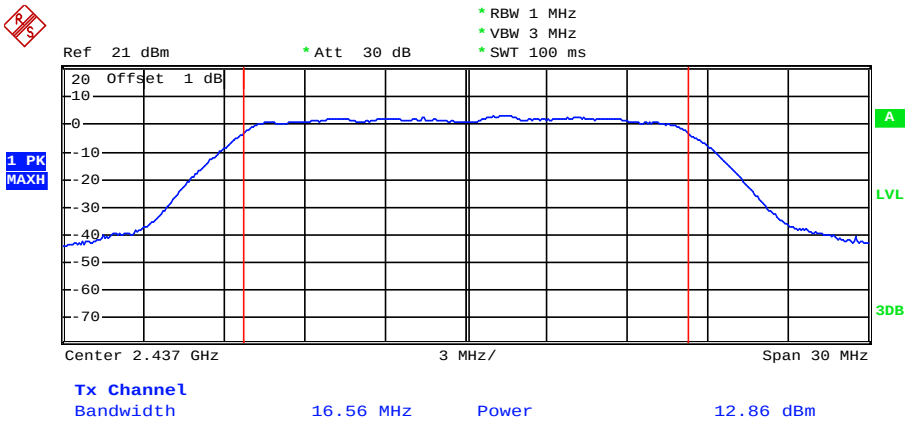
Date: 25.JAN.2013 17:02:06

802.11g Mode channel 1



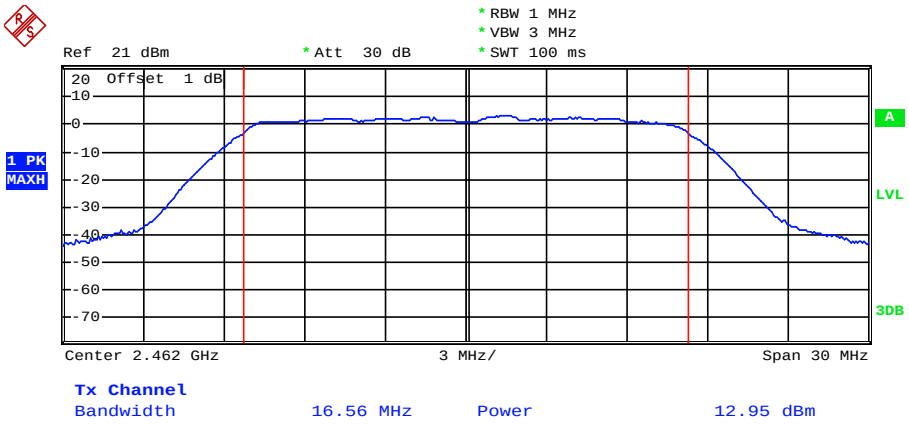
Date: 25.JAN.2013 17:09:16

802.11g Mode channel 6



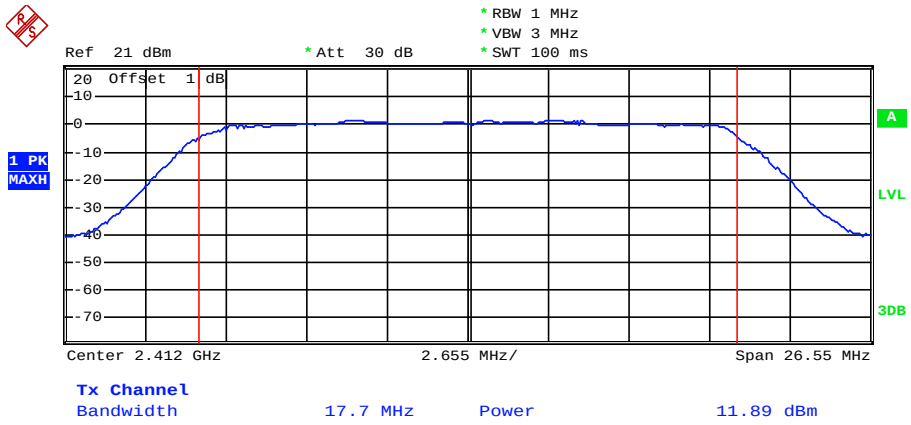
Date: 25.JAN.2013 17:12:34

802.11g Mode channel 11



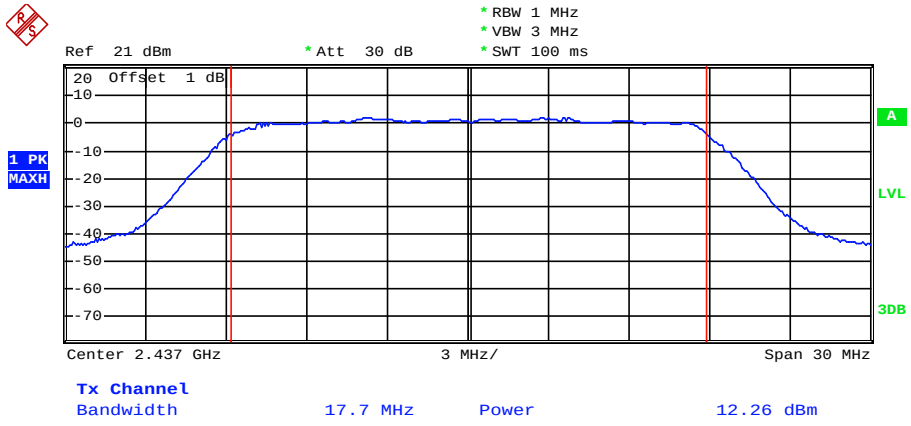
Date: 25.JAN.2013 17:18:08

802.11n20 Mode channel 1



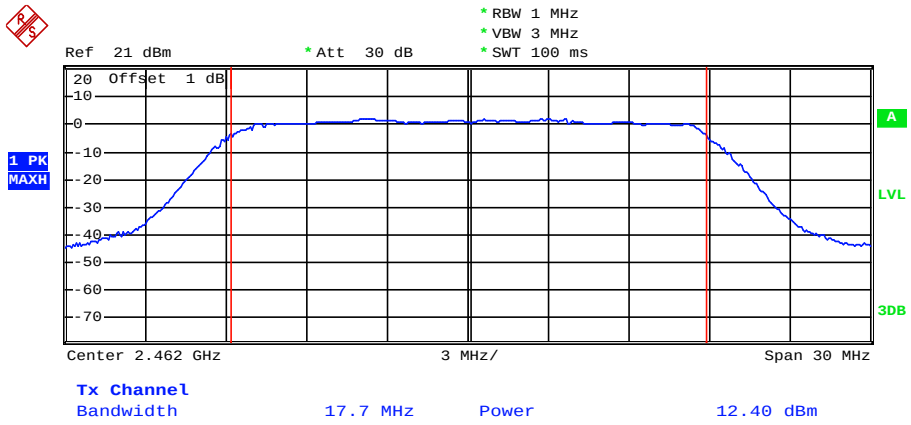
Date: 25.JAN.2013 17:22:15

802.11n20 Mode channel 6



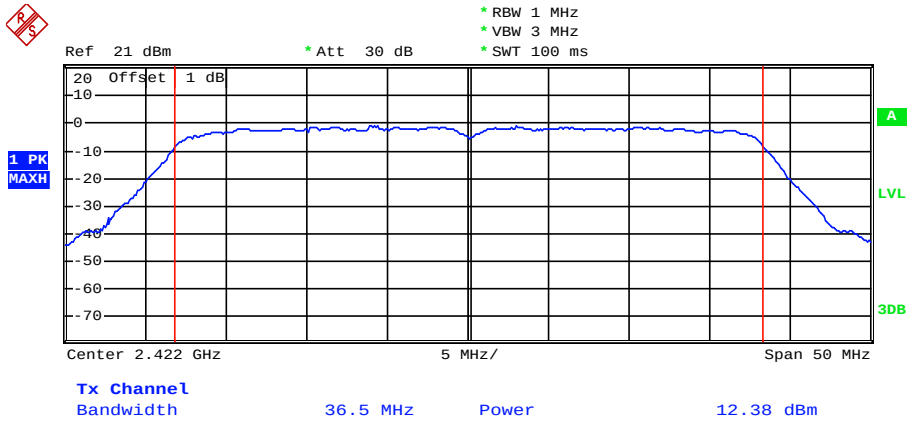
Date: 25.JAN.2013 17:27:02

802.11n20 Mode channel 11



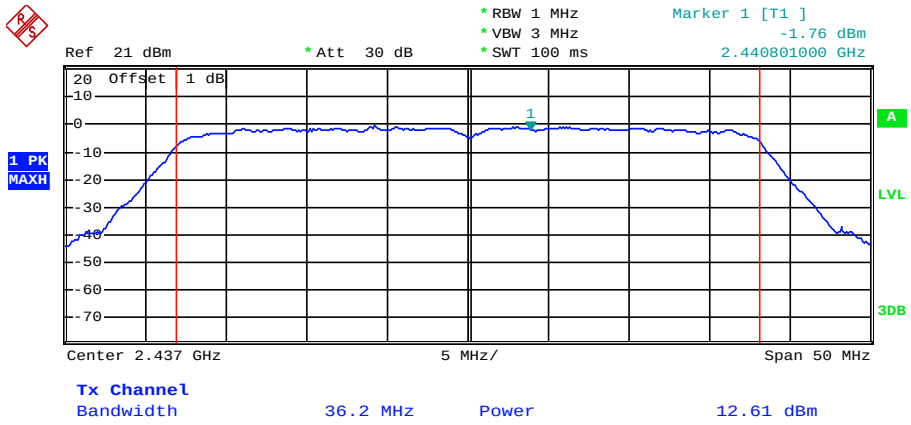
Date: 25.JAN.2013 17:28:00

802.11n40 Mode channel 3



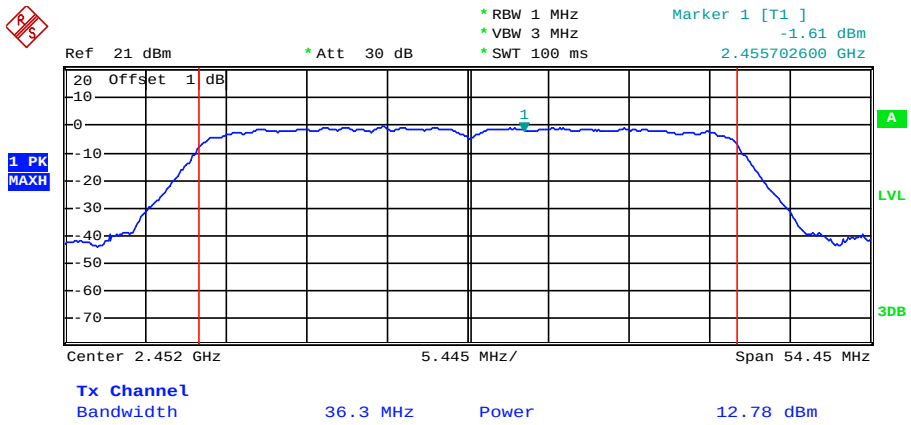
Date: 25.JAN.2013 17:32:42

802.11n40 Mode channel 6



Date: 25.JAN.2013 17:38:27

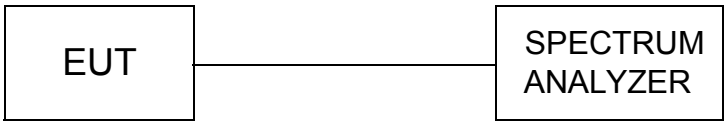
802.11n40 Mode channel 9



Date: 25.JAN.2013 17:41:39

4.4. Power Spectral Density

TEST CONFIGURATION



TEST PROCEDURE

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set analyzer center frequency to DTS channel center frequency.
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW ⩾ 3 kHz.
5. Set the VBW ⩾ 3 x RBW.
6. Detector = peak.
7. Sweep time = auto couple
8. Trace mode = max hold.
9. Allow trace to fully stabilize.
10. Use the peak marker function to determine the maximum amplitude level.
11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

12. Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(3 kHz/100 kHz= -15.2 dB).

13. The resulting peak PSD level must be 8 dBm.

Follow KDB 558074 D02 DTS Meas Guidance v02 of measurement procedure PKPSD

LIMIT

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

TEST RESULTS

Channel	Frequency (MHz)	Measured PSD (dBm/100kHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-2.04	-17.24	8	PASS
6	2437	-1.95	-17.15	8	PASS
11	2462	-1.76	-16.96	8	PASS

Note: 1. For 802.11b mode at finial test to get the worst-case emission at 1 Mbps.
2. The test results including the cable lose.

Channel	Frequency (MHz)	Measured PSD (dBm/100kHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-7.59	-22.79	8	PASS
6	2437	-7.19	-22.39	8	PASS
11	2462	-7.11	-22.31	8	PASS

Note: 1. For 802.11g mode at finial test to get the worst-case emission at 6 Mbps.
2. The test results including the cable lose.

Channel	Frequency (MHz)	Measured PSD (dBm/100kHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-7.88	-23.08	8	PASS
6	2437	-7.66	-22.86	8	PASS
11	2462	-7.59	-22.79	8	PASS

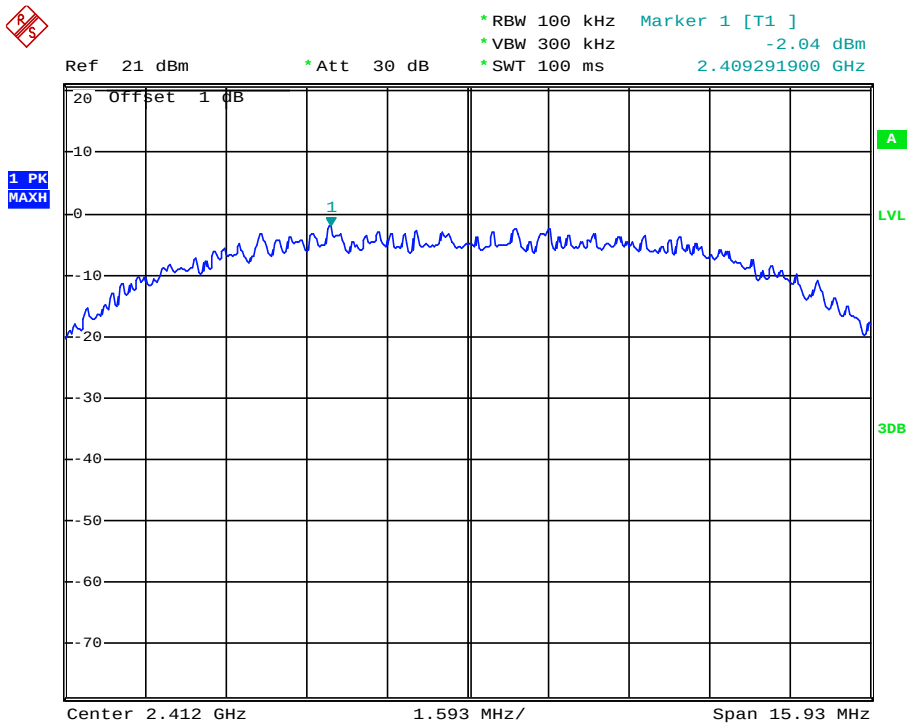
Note: 1. For 802.11n(20MHz) mode at finial test to get the worst-case emission at 6.5 Mbps.
2. The test results including the cable lose.

Channel	Frequency (MHz)	Measured PSD (dBm/100kHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
3	2422	-10.67	-25.87	8	PASS
6	2437	-10.30	-25.50	8	PASS
9	2452	-10.27	-25.47	8	PASS

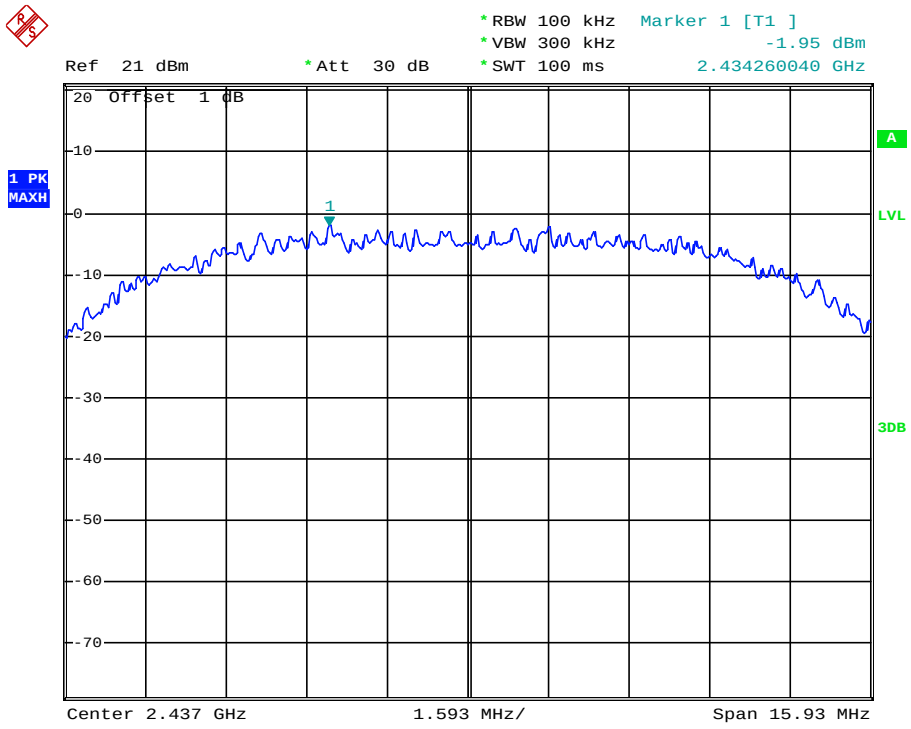
Note: 1. For 802.11n(40MHz) mode at finial test to get the worst-case emission at 13.5Mbps.
2. The test results including the cable lose.

Photos of Power Spectral Density Measurement

802.11b Mode channel 1

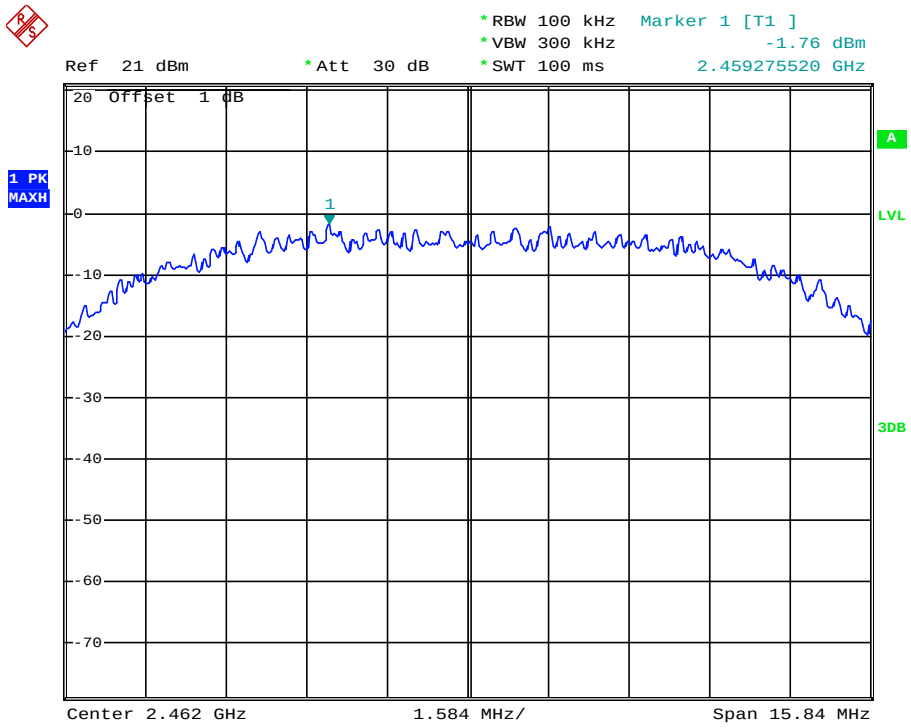


802.11b Mode channel 6



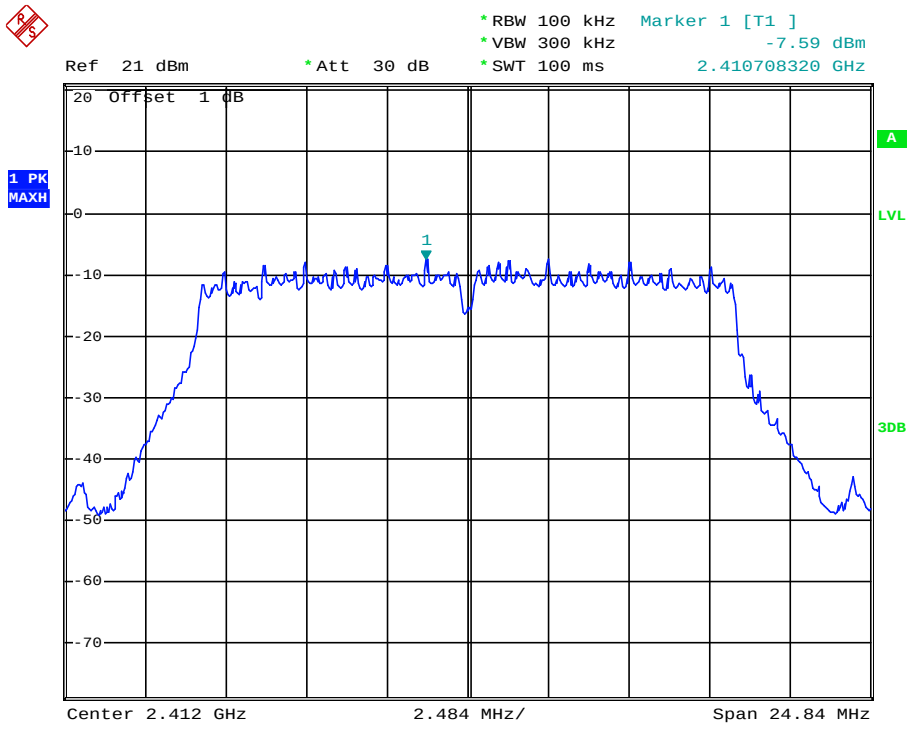
Date: 25.JAN.2013 17:00:17

802.11b Mode channel 11



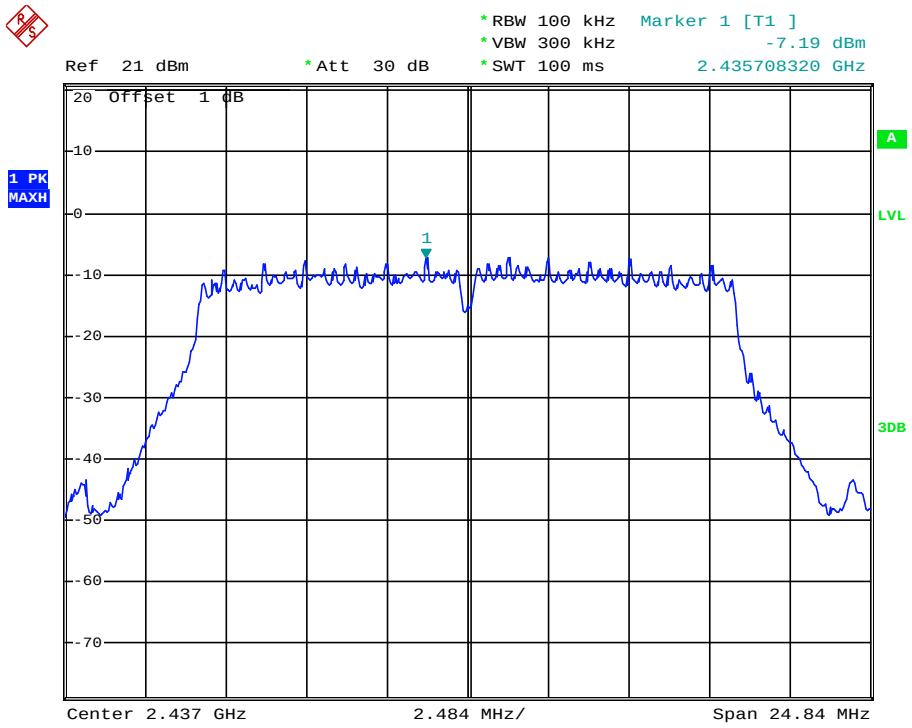
Date: 25.JAN.2013 17:02:57

802.11g Mode channel 1



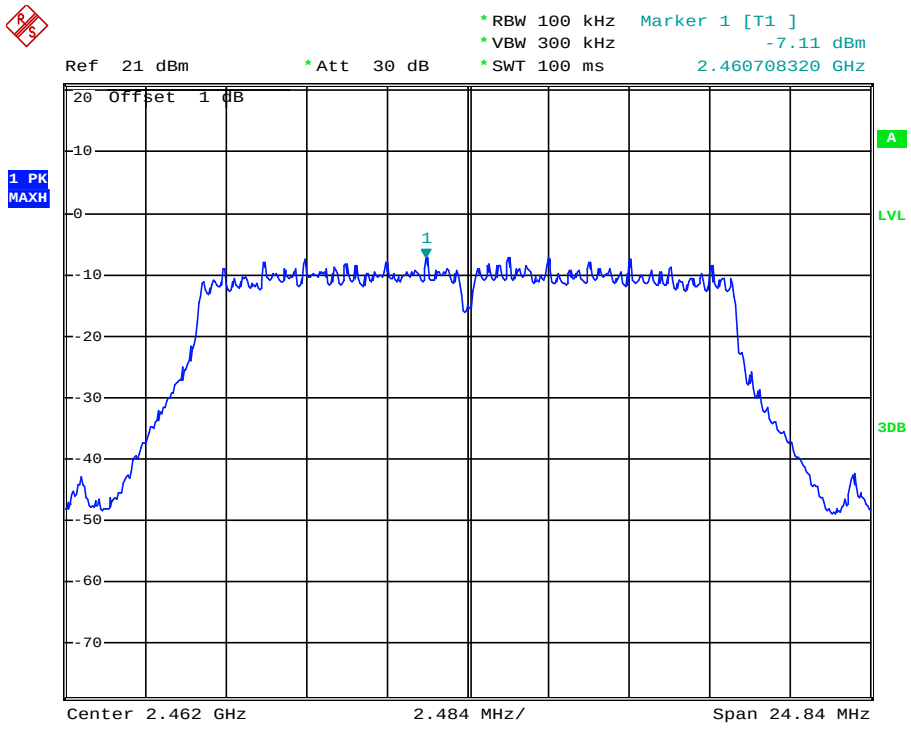
Date: 25.JAN.2013 17:14:56

802.11g Mode channel 6



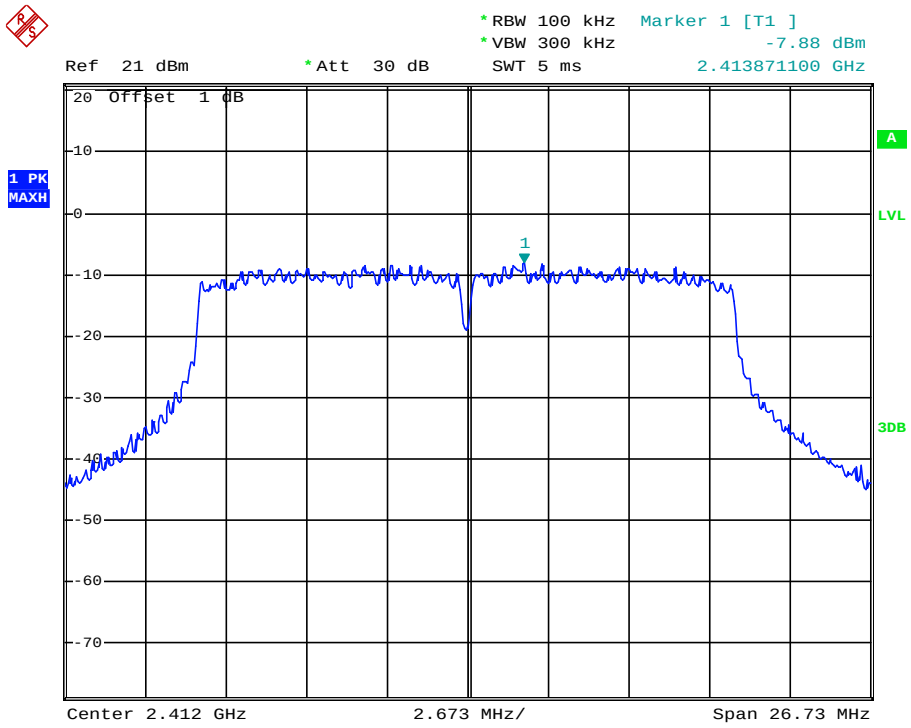
Date: 25.JAN.2013 17:14:00

802.11g Mode channel 11



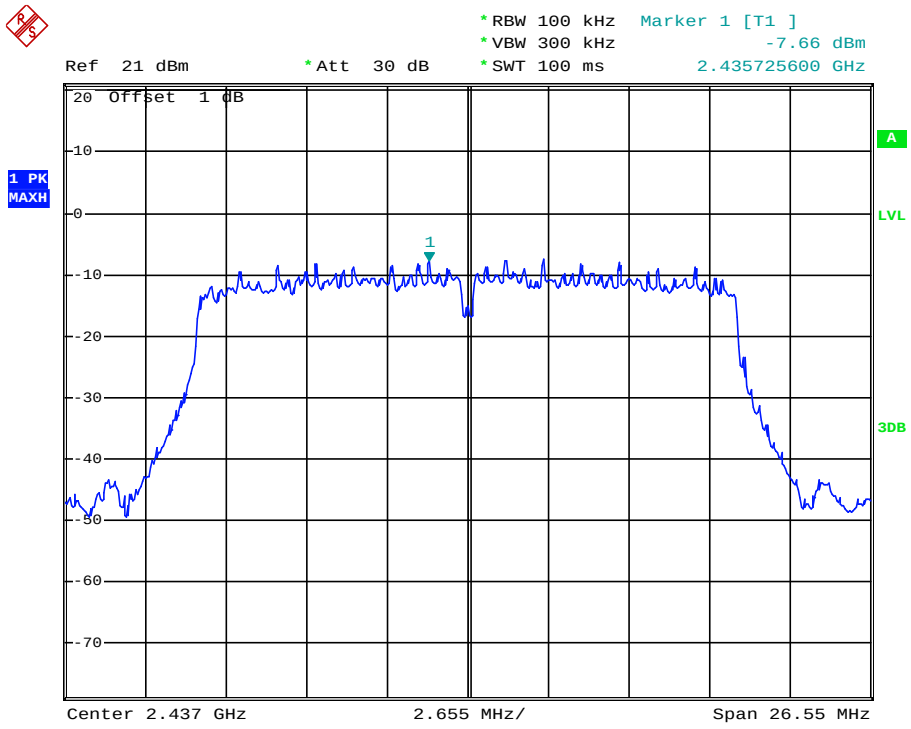
Date: 25.JAN.2013 17:17:28

802.11n20 Mode channel 1



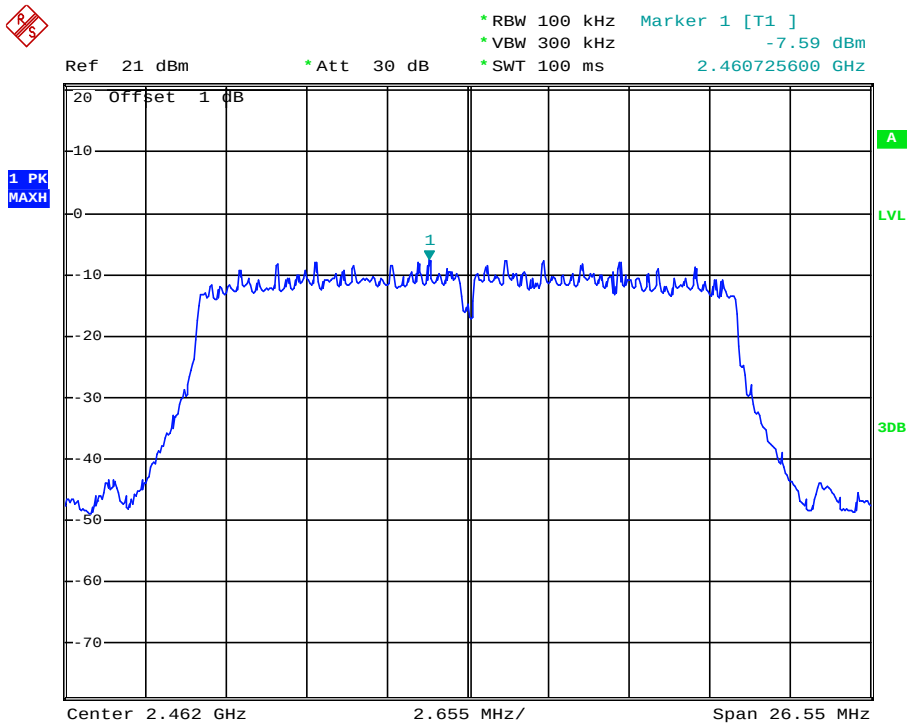
Date: 21.JAN.2013 19:44:19

802.11n20 Mode channel 6



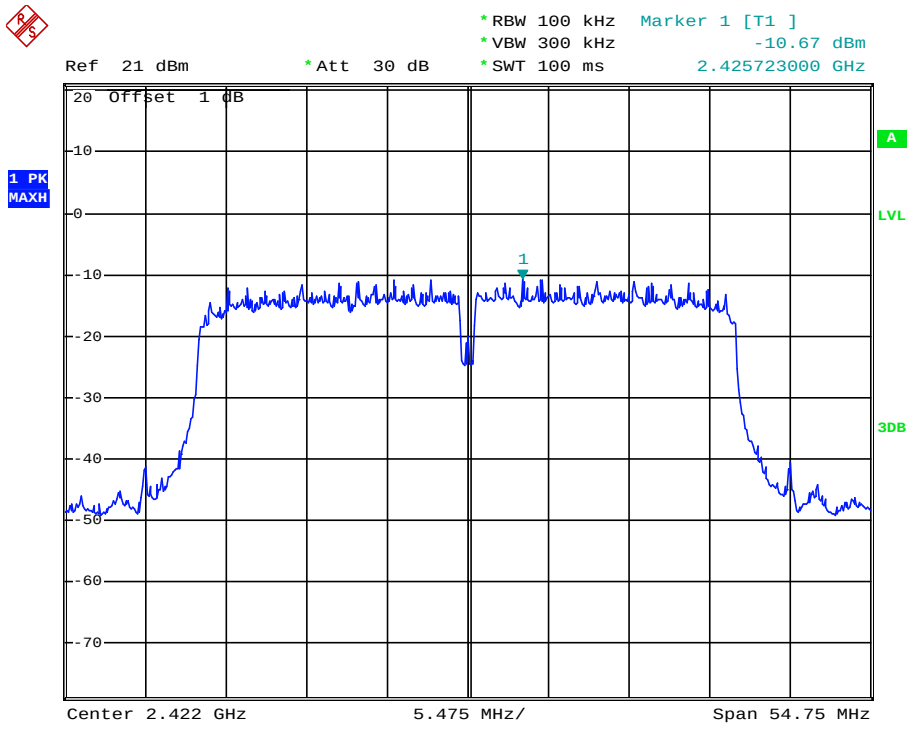
Date: 25.JAN.2013 17:26:29

802.11n20 Mode channel 11



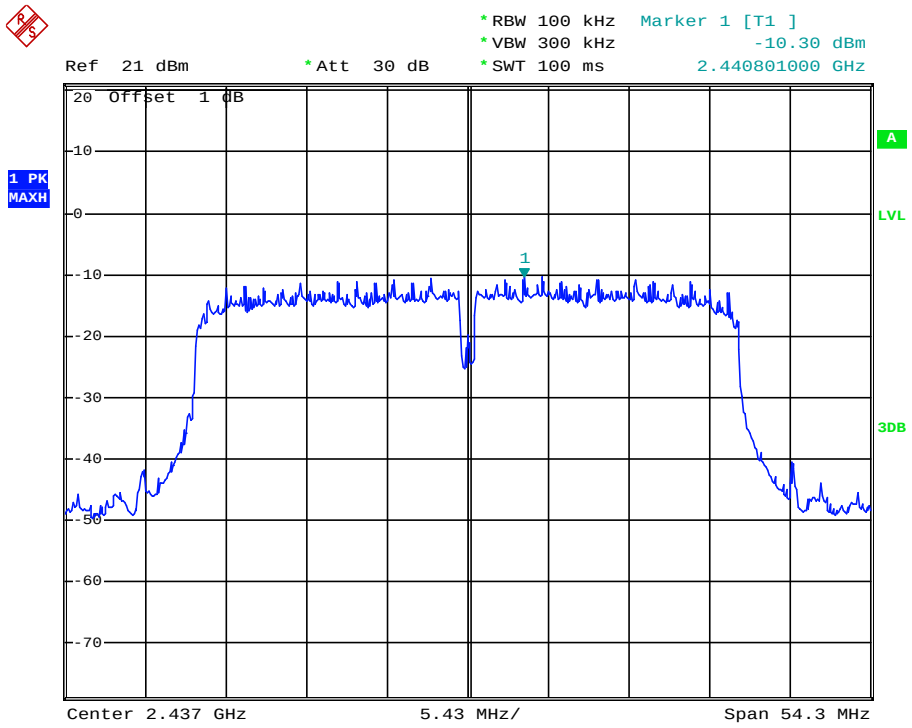
Date: 25.JAN.2013 17:28:38

802.11n40 Mode channel 3



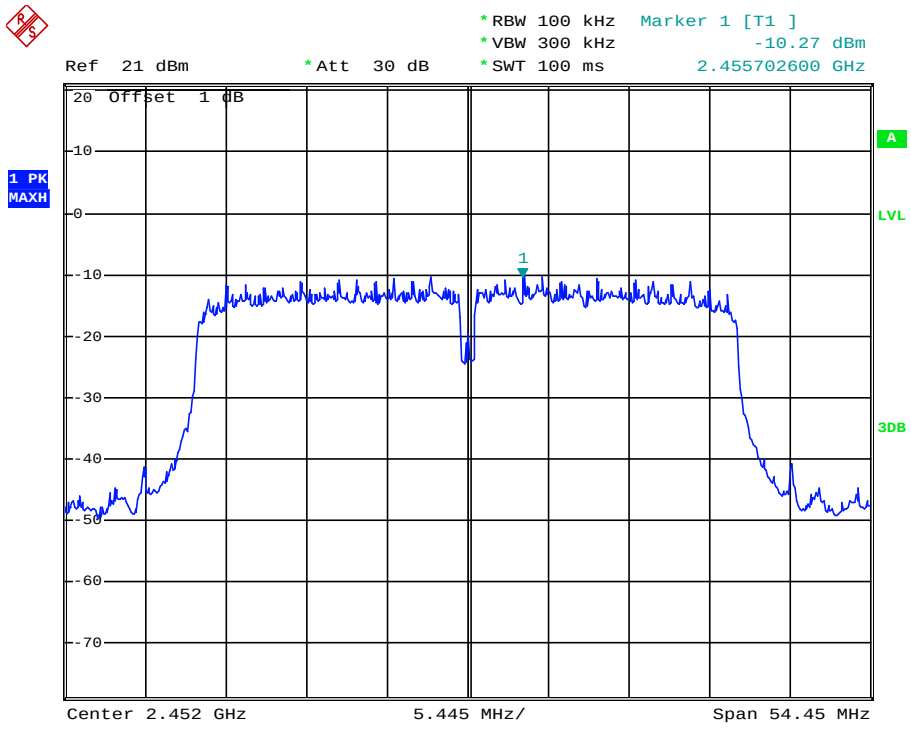
Date: 25.JAN.2013 17:31:45

802.11n40 Mode channel 6



Date: 25.JAN.2013 17:37:35

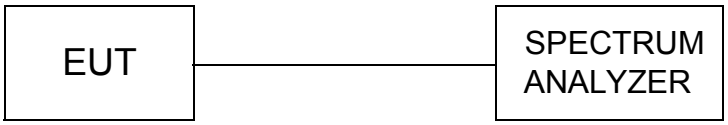
802.11n40 Mode channel 9



Date: 25.JAN.2013 17:41:00

4.5. 6dB Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with100 KHz RBW and 300KHz VBW.

The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

LIMIT

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST RESULTS

For 802.11b Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (MHz)	Result
1	2412	10.62	0.500	PASS
6	2437	10.62	0.500	PASS
11	2462	10.56	0.500	PASS

For 802.11g Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (MHz)	Result
1	2412	16.56	0.500	PASS
6	2437	16.56	0.500	PASS
11	2462	16.56	0.500	PASS

For 802.11n (20MHz) Mode

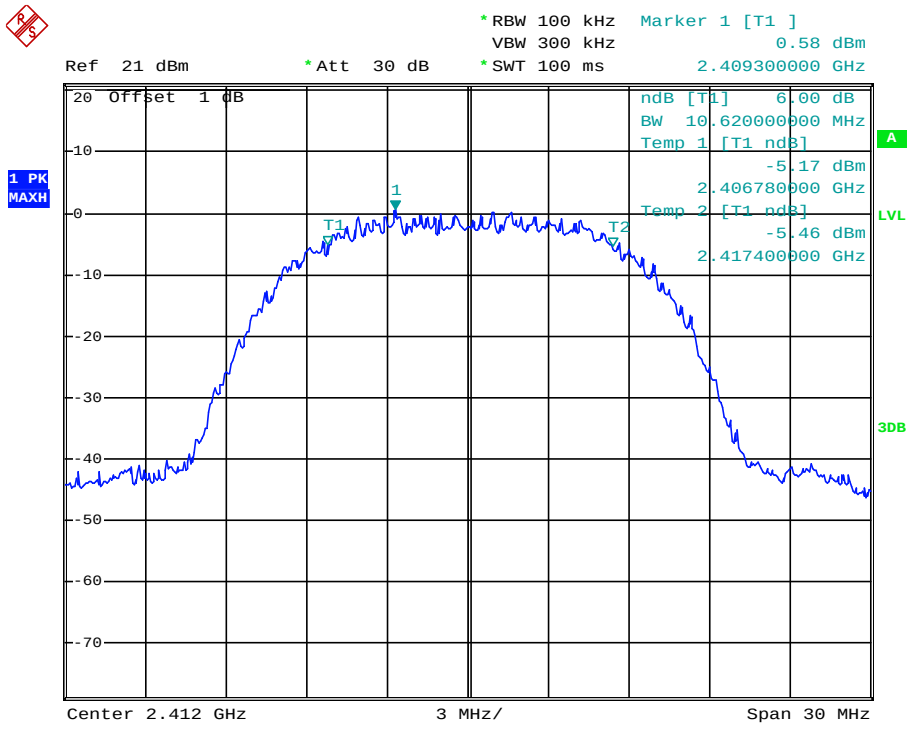
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (MHz)	Result
1	2412	17.70	0.500	PASS
6	2437	17.70	0.500	PASS
11	2462	17.70	0.500	PASS

For 802.11n (40MHz) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (MHz)	Result
3	2422	36.50	0.500	PASS
6	2437	36.20	0.500	PASS
9	2452	36.30	0.500	PASS

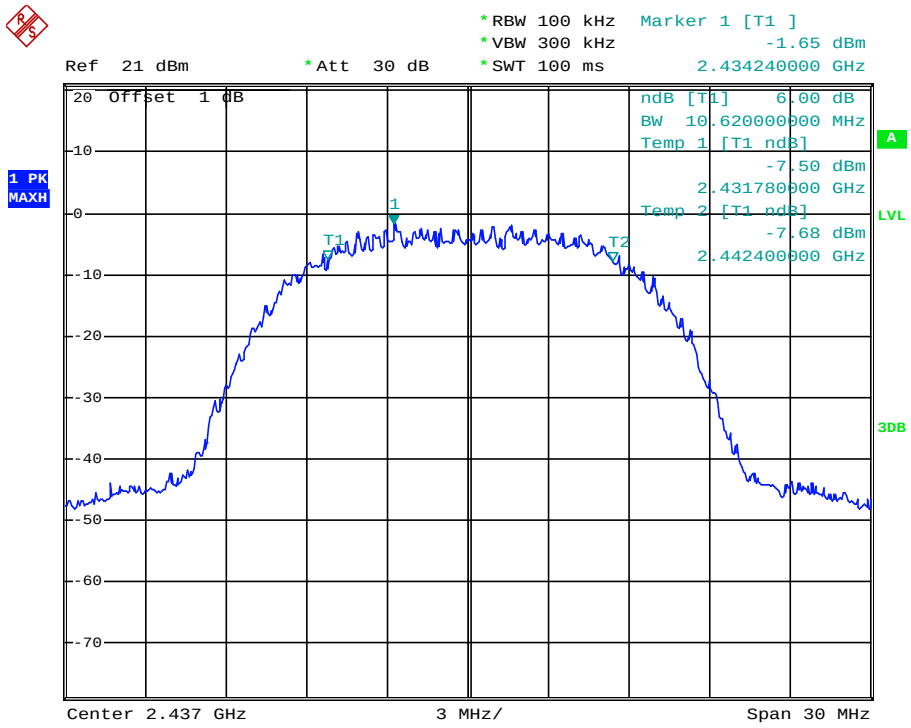
Photos of 6dB Bandwidth Measurement

802.11b Mode channel 1



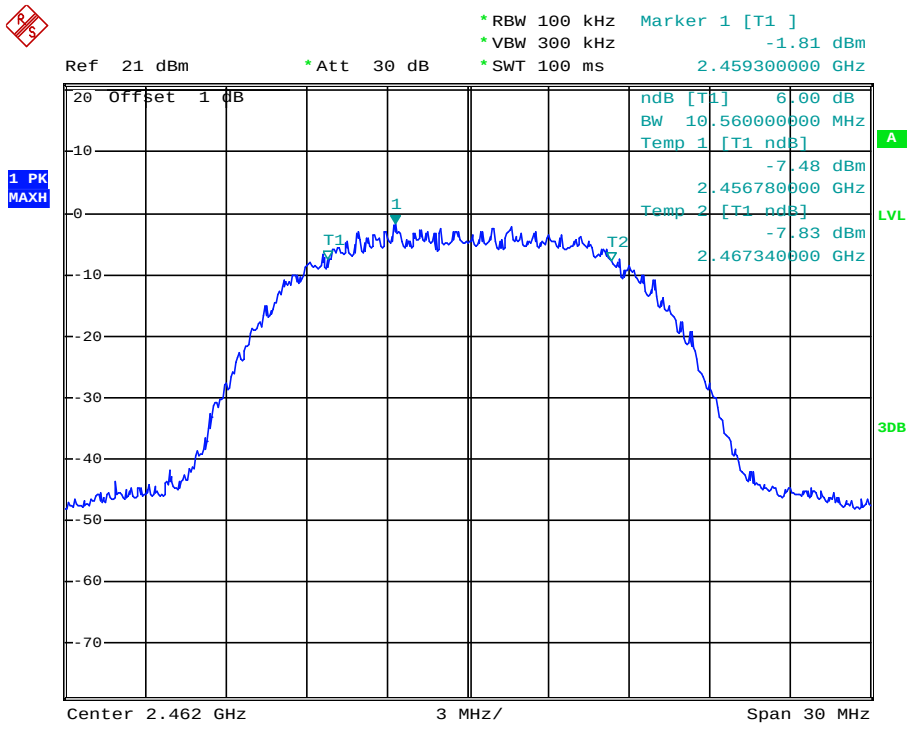
Date: 25.JAN.2013 16:50:38

802.11b Mode channel 6



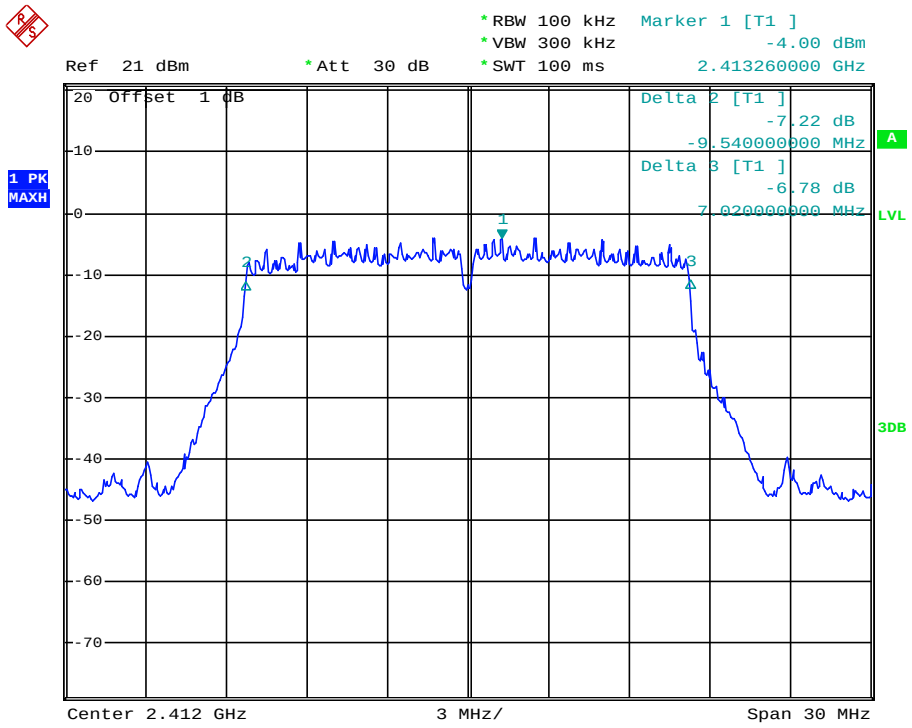
Date: 25.JAN.2013 16:58:03

802.11b Mode channel 11



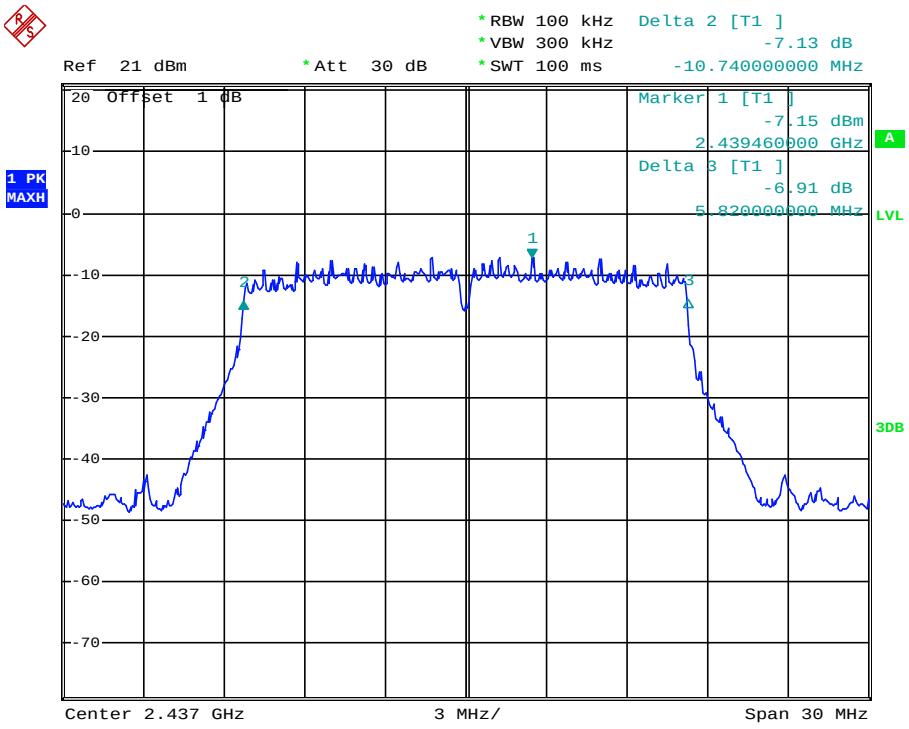
Date: 25.JAN.2013 17:01:35

802.11g Mode channel 1

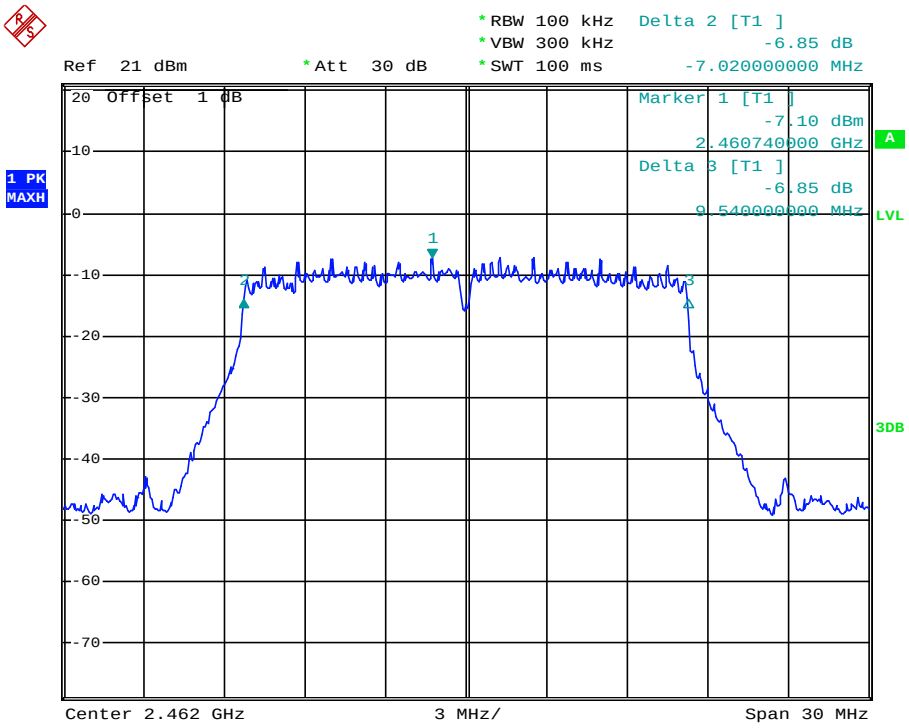


Date: 25.JAN.2013 17:05:46

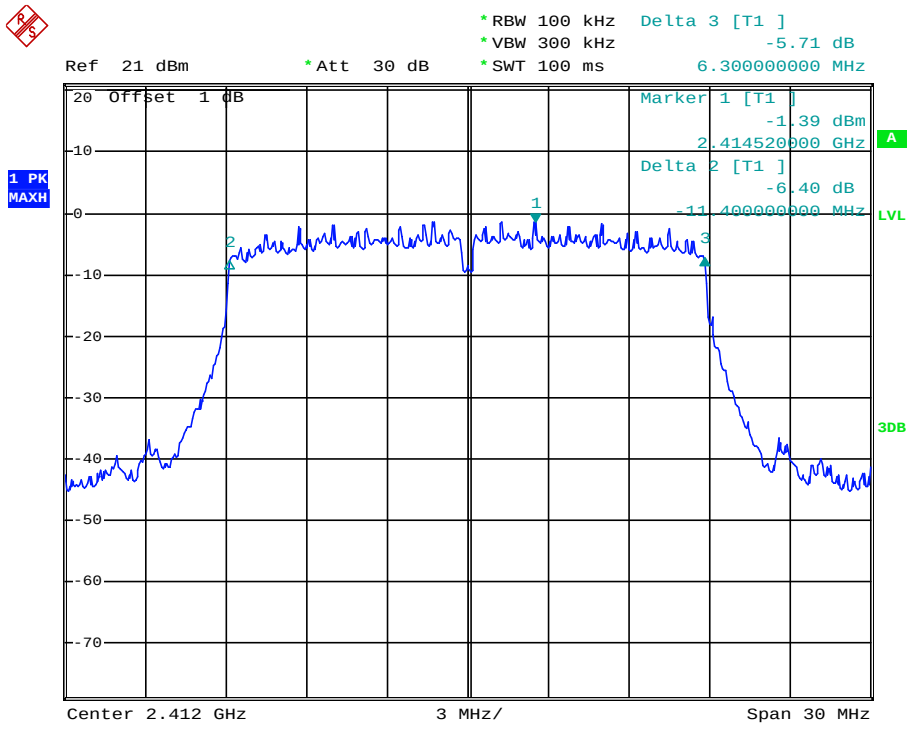
802.11g Mode channel 6



802.11g Mode channel 11

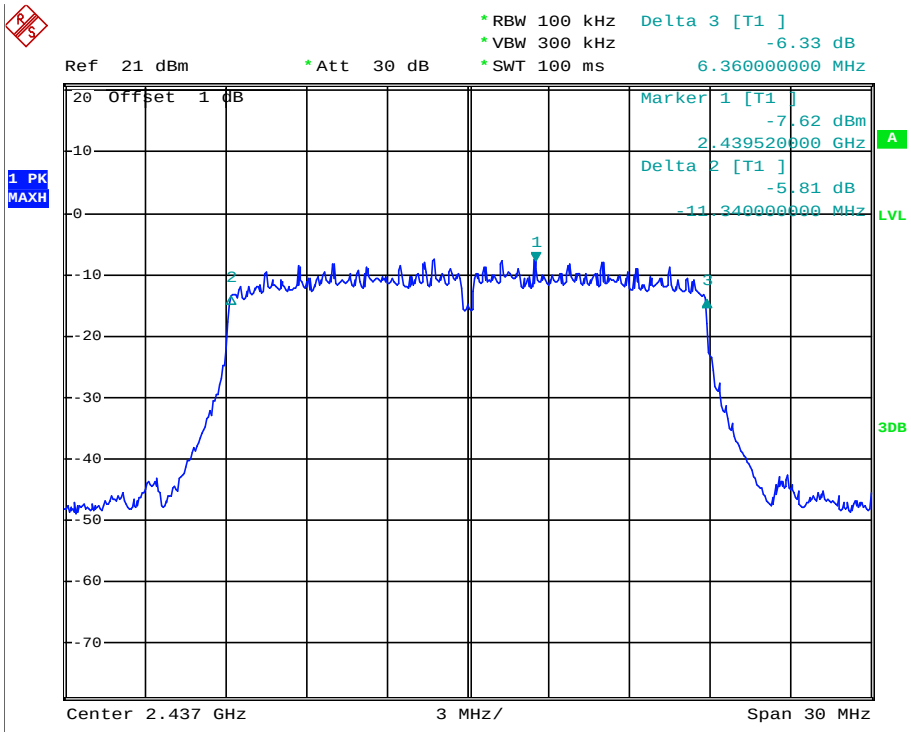


802.11n20 Mode channel 1



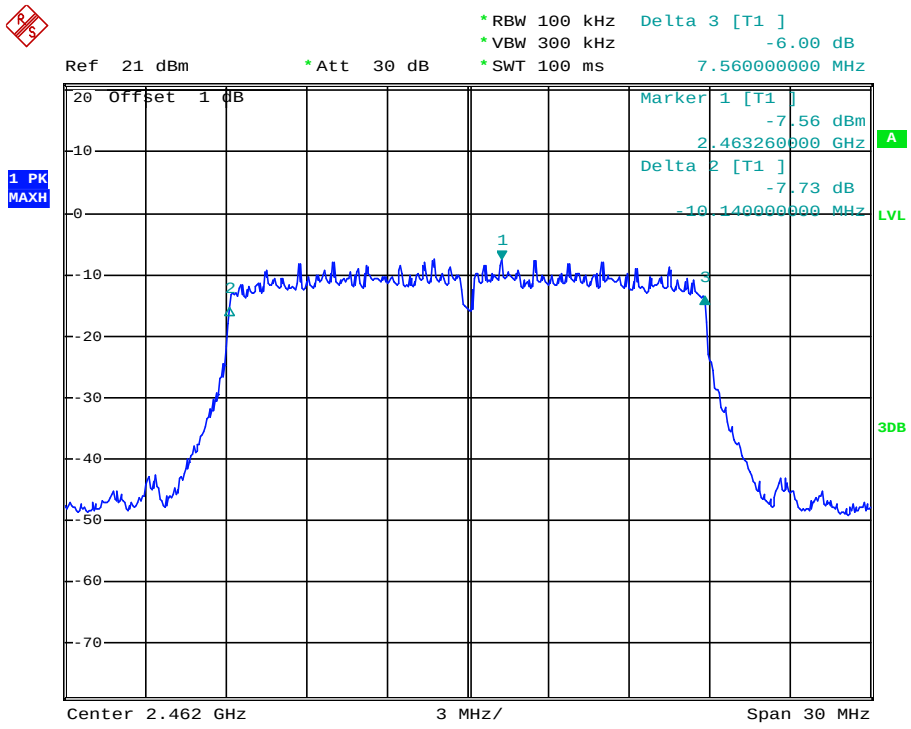
Date: 25.JAN.2013 17:19:49

802.11n20 Mode channel 6



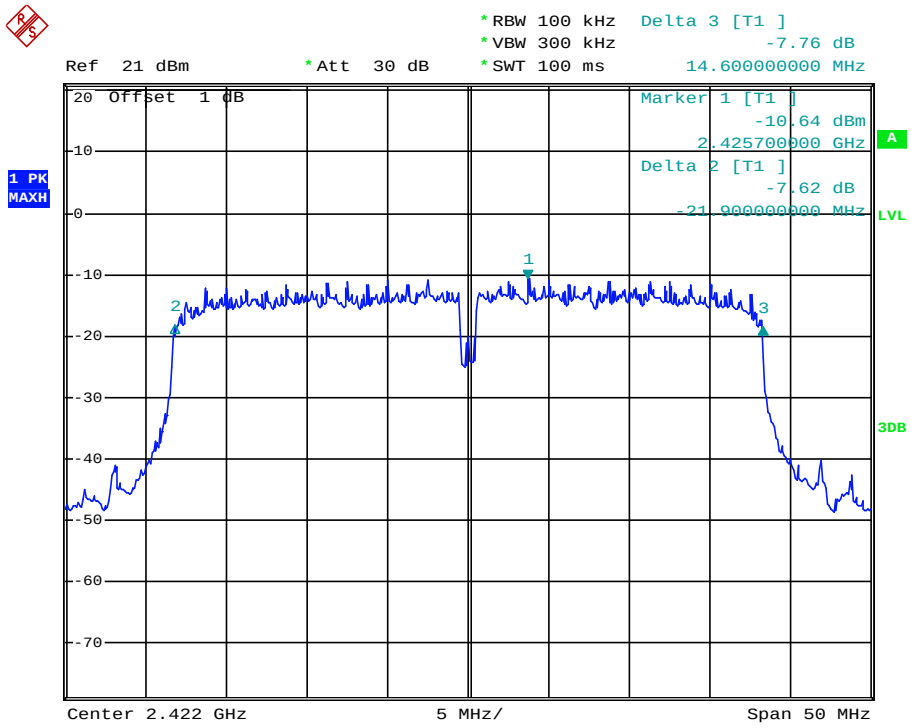
Date: 25.JAN.2013 17:26:00

802.11n20 Mode channel 11



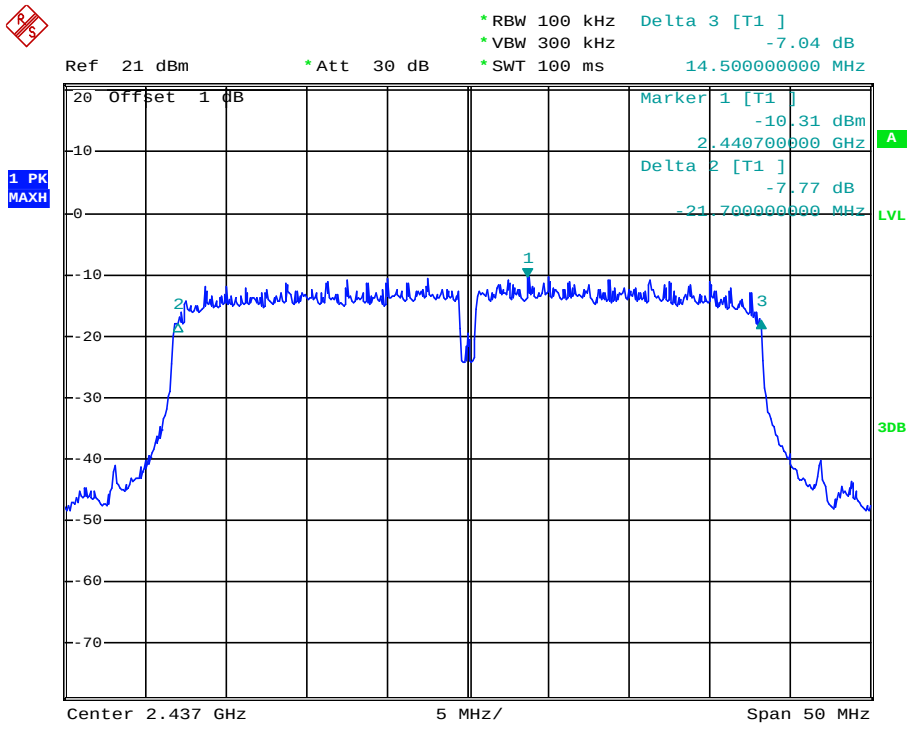
Date: 25.JAN.2013 17:29:18

802.11n40 Mode channel 3



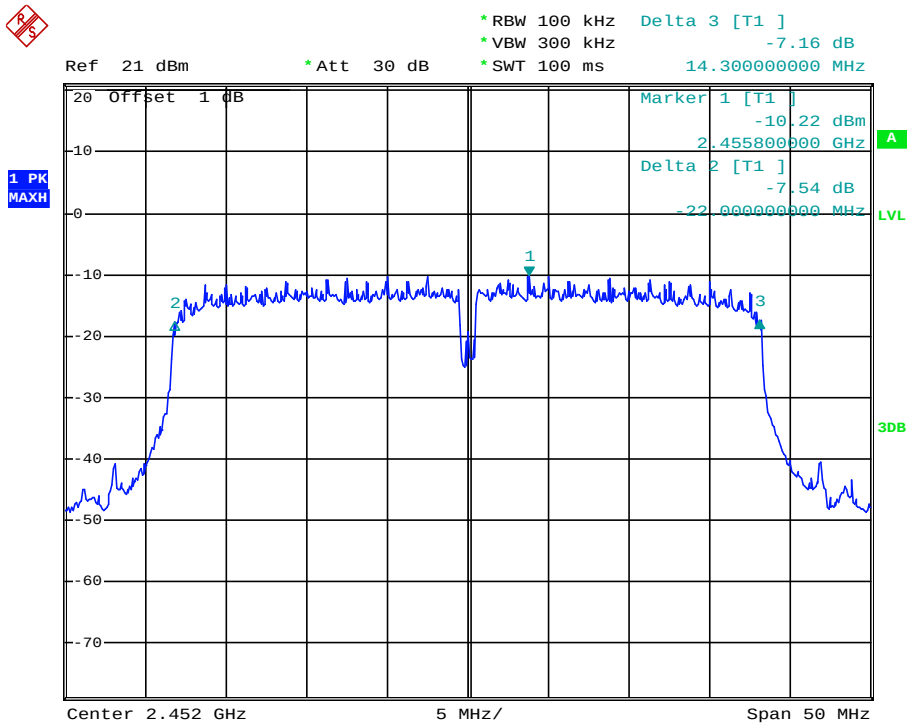
Date: 25.JAN.2013 17:30:59

802.11n40 Mode channel 6



Date: 25.JAN.2013 17:36:47

802.11n40 Mode channel 9



Date: 25.JAN.2013 17:40:18

4.6. Band Edge Compliance of RF Emission

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 PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz for peak detector and RBW=1MHz, VBW=10Hz for average detector.
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.
6. Antenna-port conducted measurements are acceptable as an alternative to radiated measurements for demonstrating compliance to the limits in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test (with antenna port(s) terminated) for cabinet/case emissions will also be required.
7. § 15.209(a) specifies radiated emissions limits for unwanted emissions in the restricted bands in terms of the maximum permissible electric field strength at a specified measurement distance. A correspondent EIRP level can be determined from the following relationship:
   E = EIRP -20log(d) + 104.8
   where:
   EIRP = the equivalent isotropic radiated power in dBm,
   E = electric field strength in dBμV/m,
   d = measurement distance in meters.
8. Repeat above procedures until all measured frequencies were complete.

LIMIT

Below -20dB of the highest emission level in operating band.

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)

TEST RESULTS

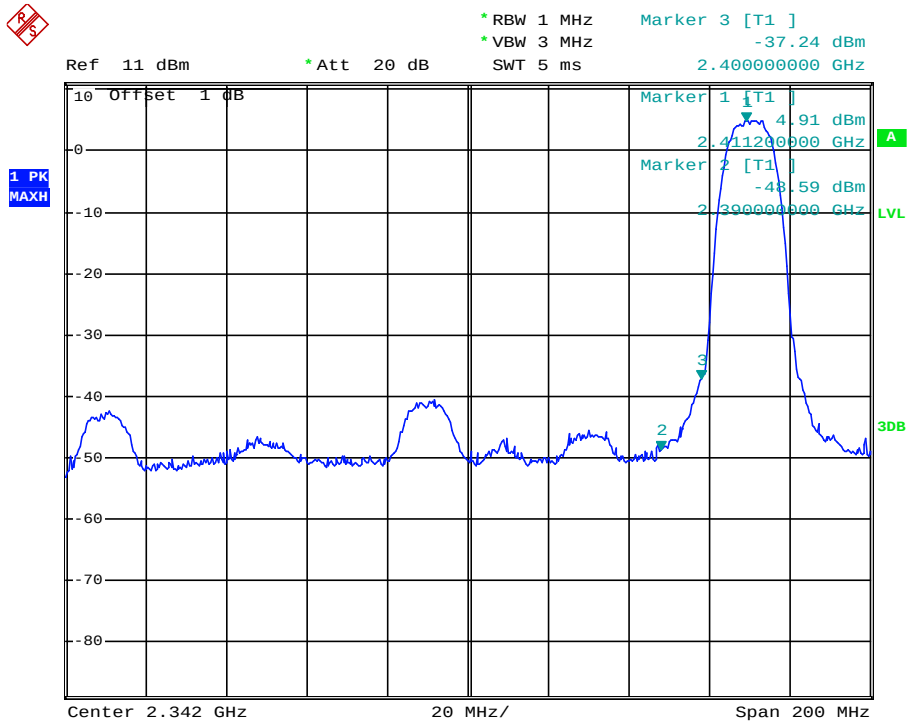
Conducted band edge were measurement for 802.11b,802.11g,802.11n(20MHz) and 802.11n(40MHz) mode at difference date,recording worst case in test report.

802.11b

A. Test Verdict:

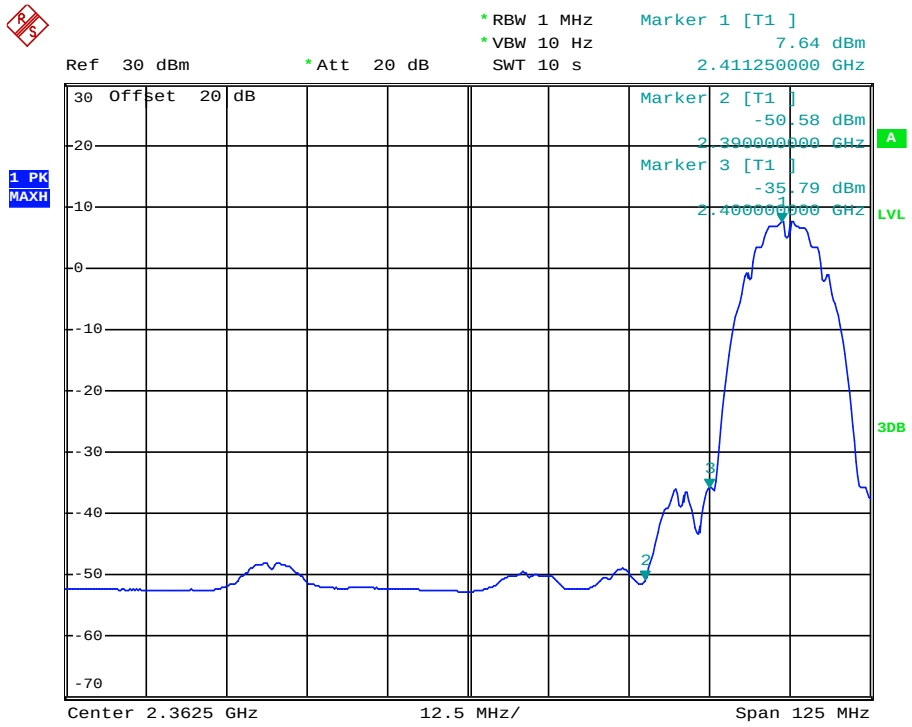
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
Out of left side band						
2390.00	-48.59	2.00	48.67	PK	74.00	Plot 2.5.1A1
2390.00	-60.47	2.00	36.79	AV	54.00	Plot 2.5.1A2
Out of right side band						
2483.50	-48.17	2.00	49.09	PK	74.00	Plot 2.5.1A3
2483.50	-60.18	2.00	37.08	AV	54.00	Plot 2.5.1A4
2500.00	-44.54	2.00	52.72	PK	74.00	Plot 2.5.1A3
2500.00	-53.92	2.00	43.34	AV	54.00	Plot 2.5.1A4

B. Test Plots:



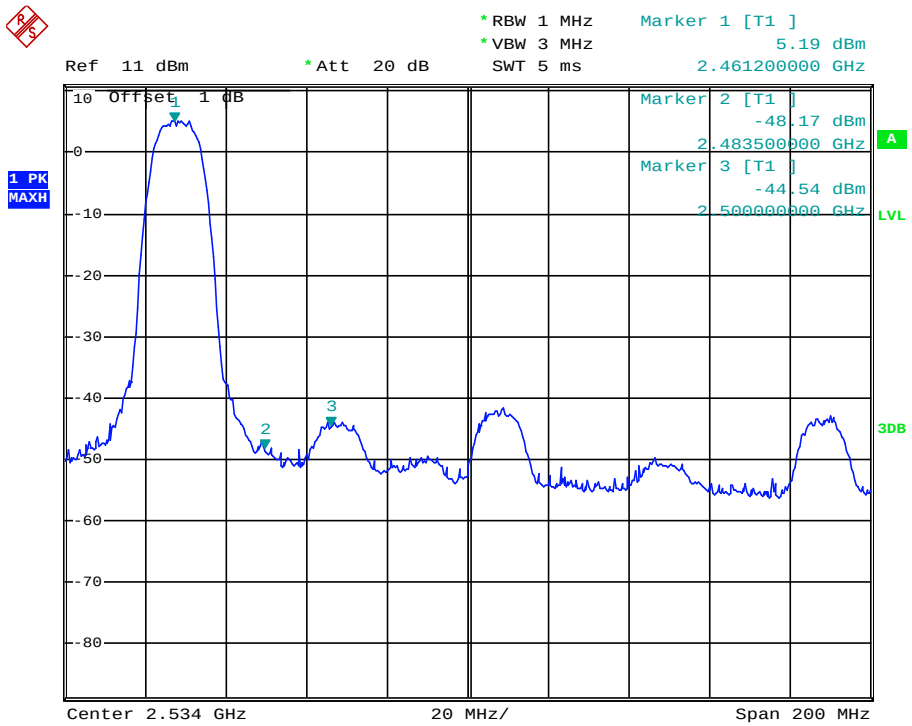
Date: 25.JAN.2013 18:07:34

(Plot 2.5.1 A1: Channel = 1 2412MHz @ 802.11b)



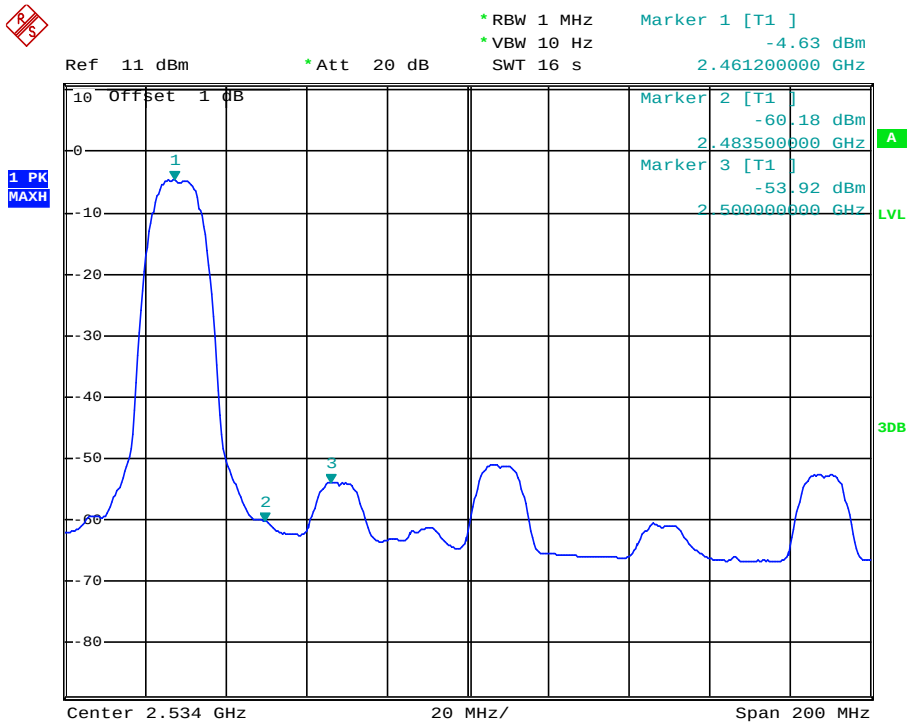
Date: 9.JAN.2013 09:42:02

(Plot 2.5.1 A2: Channel = 1 2412MHz @ 802.11b)



Date: 25.JAN.2013 18:20:47

(Plot 2.5.1 A3: Channel = 11 2462MHz @ 802.11b)



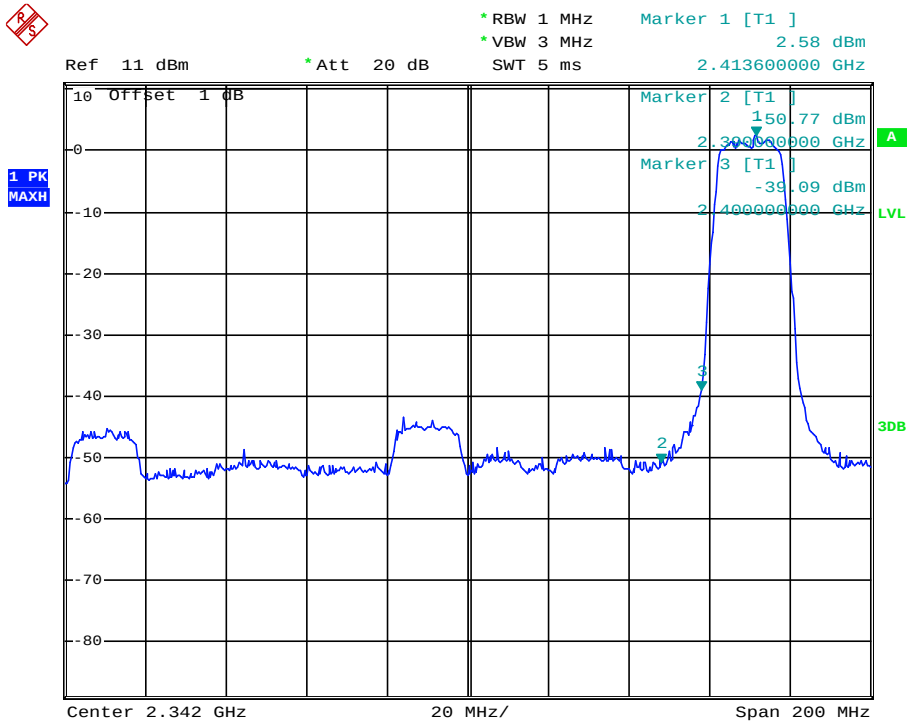
(Plot 2.5.1 A4: Channel = 11 2462MHz @ 802.11b)

802.11g

A. Test Verdict:

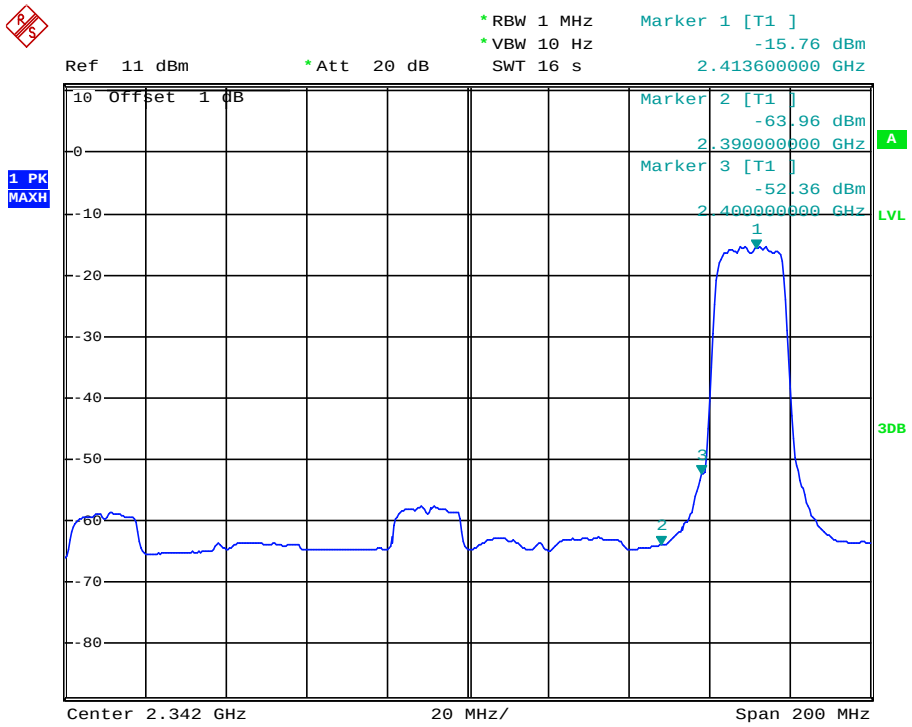
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
Out of left side band						
2390.00	-50.77	2.00	46.49	PK	74.00	Plot 2.5.1B1
2390.00	-63.96	2.00	33.30	AV	54.00	Plot 2.5.1B2
Out of right side band						
2483.50	-50.23	2.00	47.03	PK	74.00	Plot 2.5.1B3
2483.50	-63.40	2.00	33.86	AV	54.00	Plot 2.5.1B4
2500.00	-47.08	2.00	50.18	PK	74.00	Plot 2.5.1B3
2500.00	-60.17	2.00	37.09	AV	54.00	Plot 2.5.1B4

B. Test Plots:



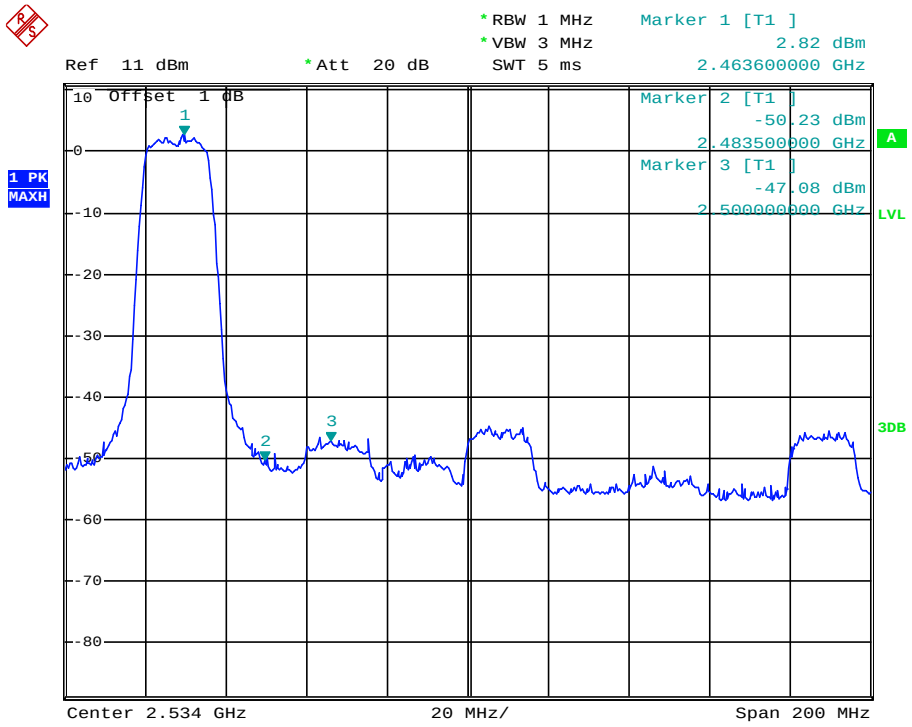
Date: 25.JAN.2013 18:09:20

(Plot 2.5.1 B1: Channel = 1 2412MHz @ 802.11g)



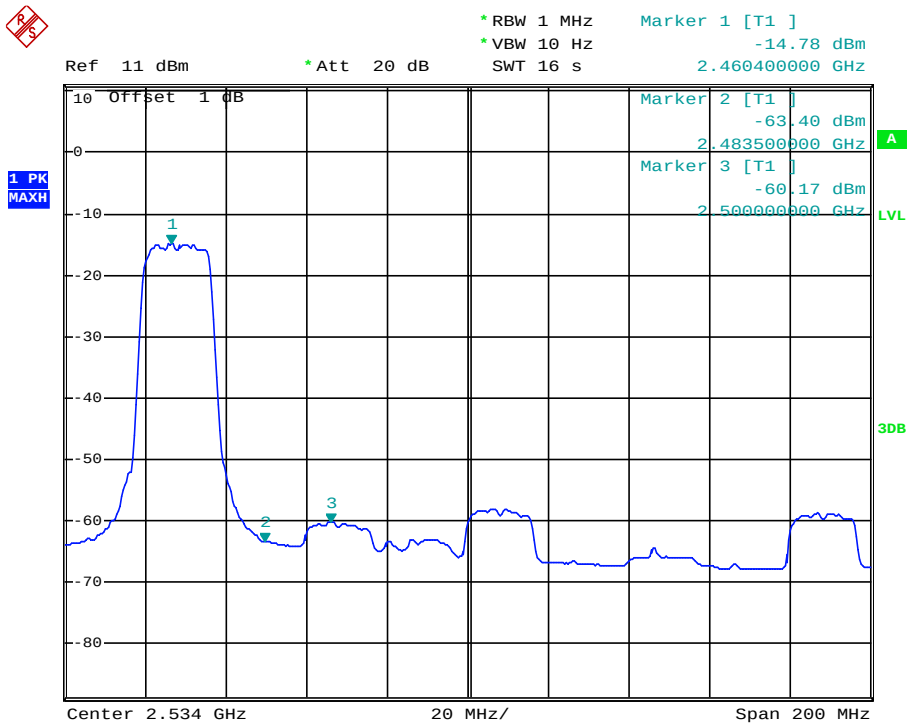
Date: 25.JAN.2013 18:09:50

(Plot 2.5.1 B2: Channel = 1 2412MHz @ 802.11g)



Date: 25.JAN.2013 18:19:07

(Plot 2.5.1 B3: Channel = 11 2462MHz @ 802.11g)



Date: 25.JAN.2013 18:19:32

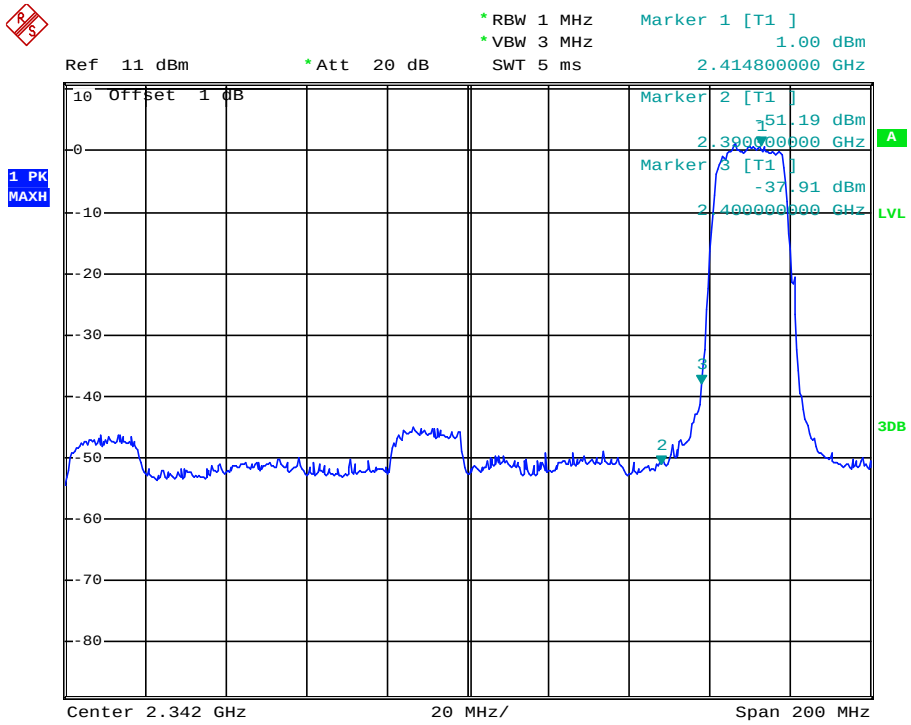
(Plot 2.5.1 B4: Channel = 11 2462MHz @ 802.11g)

802.11n-20

A. Test Verdict:

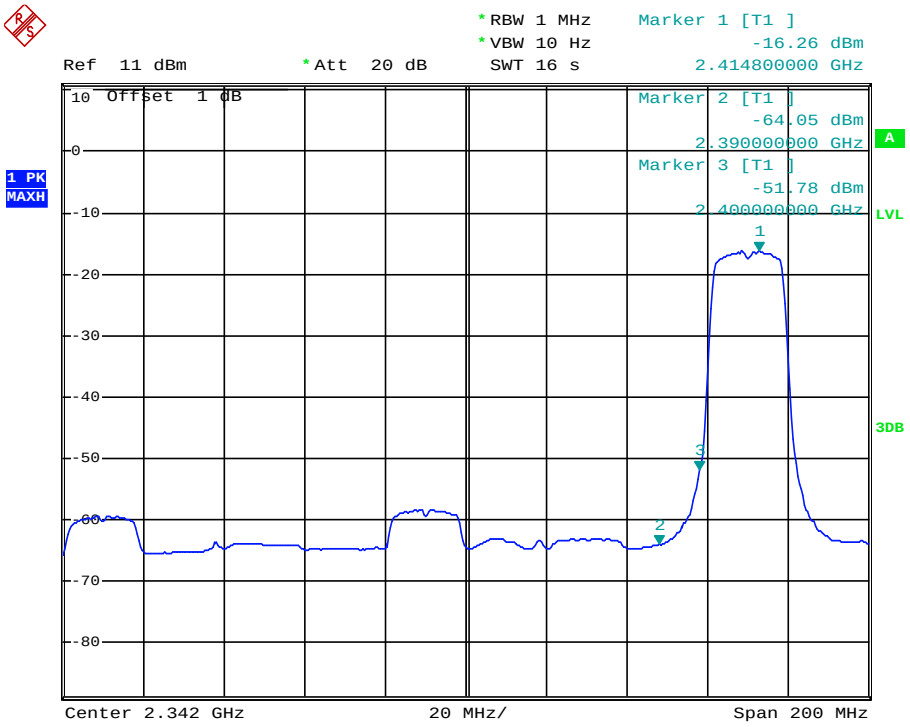
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
Out of left side band						
2390.00	-51.19	2.00	46.07	PK	74.00	Plot 2.5.1C1
2390.00	-64.05	2.00	33.21	AV	54.00	Plot 2.5.1C2
Out of right side band						
2483.50	-50.97	2.00	46.29	PK	74.00	Plot 2.5.1C3
2483.50	-63.62	2.00	33.64	AV	54.00	Plot 2.5.1C4
2500.00	-48.50	2.00	48.76	PK	74.00	Plot 2.5.1C3
2500.00	-60.52	2.00	36.74	AV	54.00	Plot 2.5.1C4

B. Test Plots:



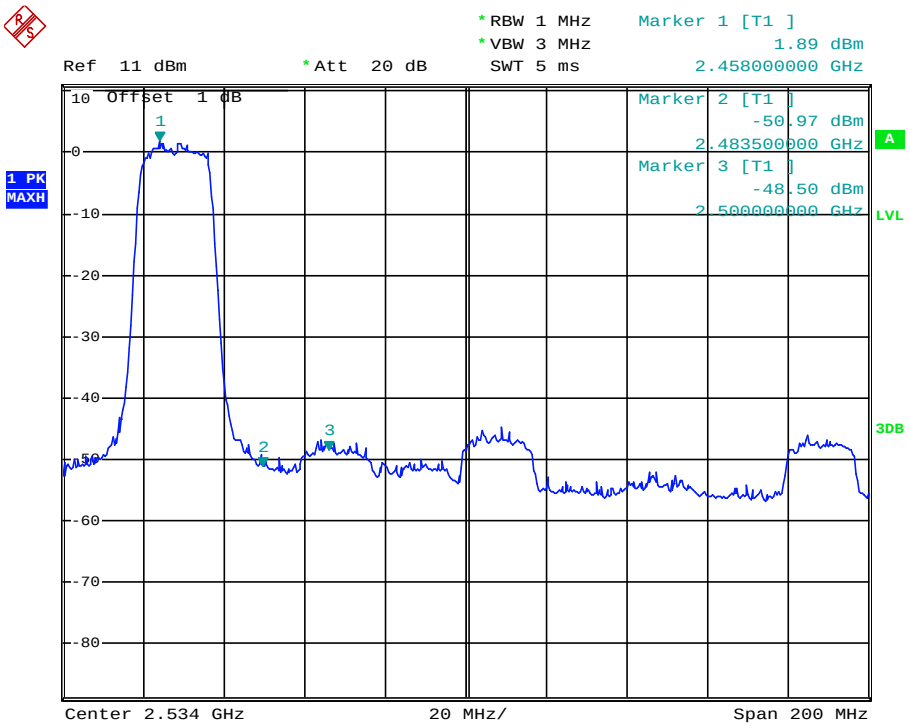
Date: 25.JAN.2013 18:10:58

(Plot 2.5.1 C1: Channel = 1 2412MHz @ 802.11n-20)



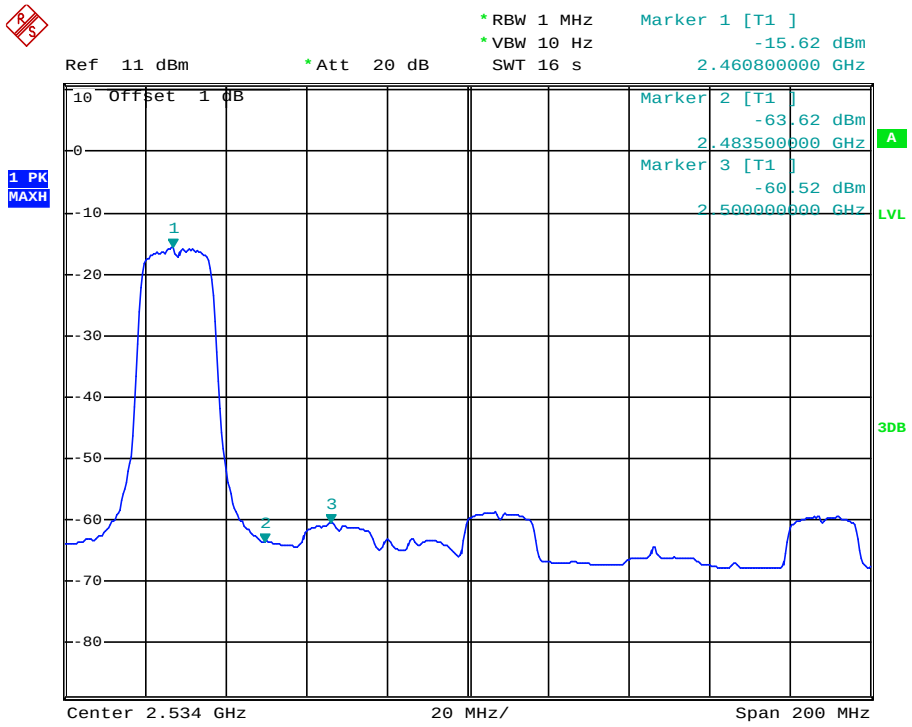
Date: 25.JAN.2013 18:11:42

(Plot 2.5.1 C2: Channel = 1 2412MHz @ 802.11n-20)



Date: 25.JAN.2013 18:17:32

(Plot 2.5.1 C3: Channel = 11 2462MHz @ 802.11n-20)



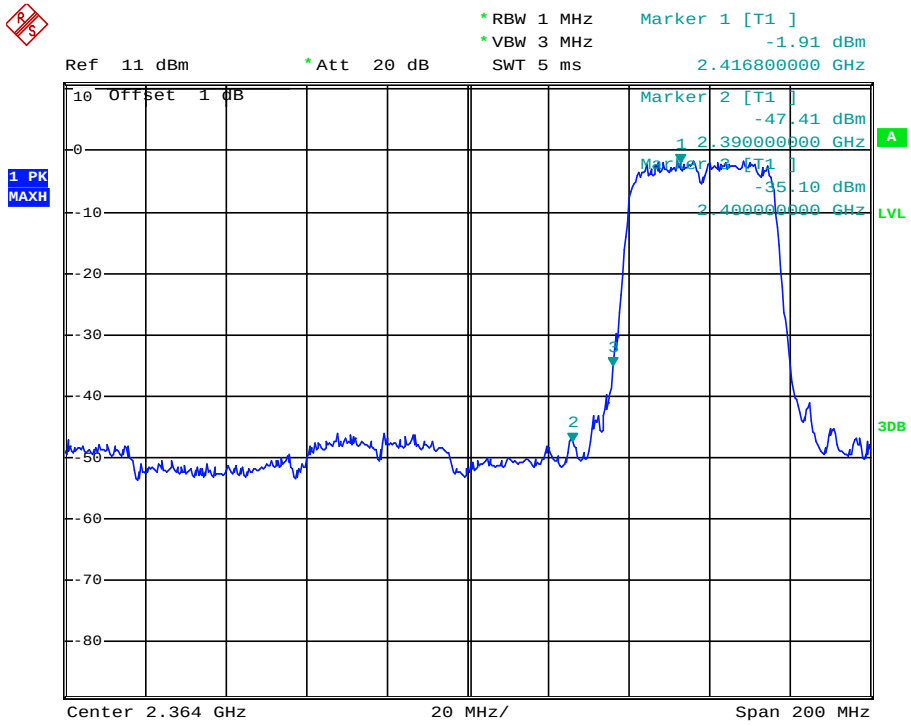
(Plot 2.5.1 C4: Channel = 11 2462MHz @ 802.11n-20)

802.11n(40MHz)

A. Test Verdict:

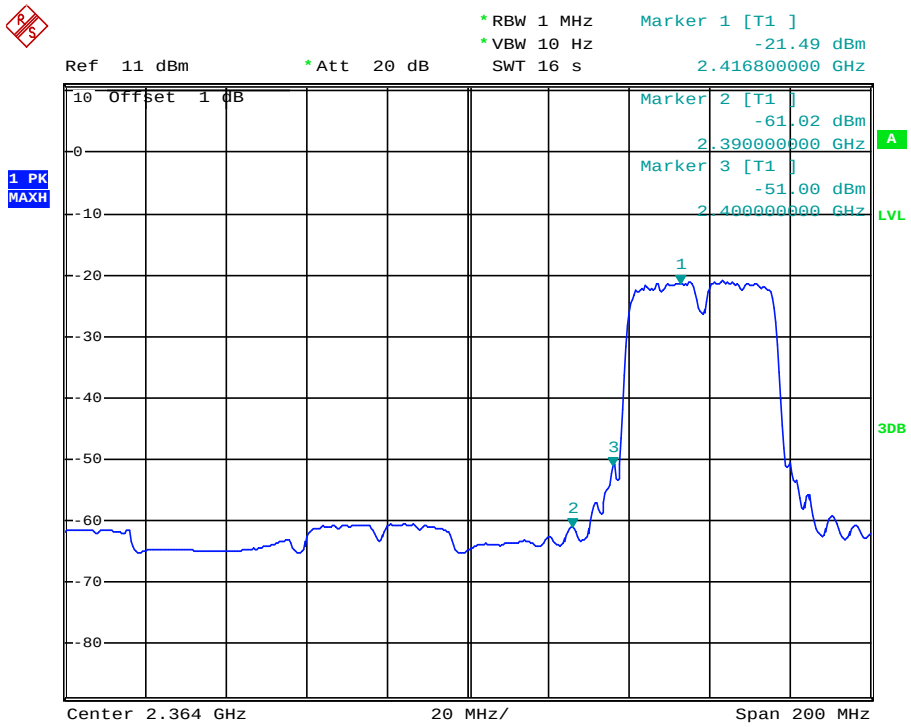
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
Out of left side band						
2390.00	-47.41	2.00	49.85	PK	74.00	Plot 2.5.1D1
2390.00	-61.02	2.00	36.24	AV	54.00	Plot 2.5.1D2
Out of right side band						
2483.50	-43.54	2.00	53.72	PK	74.00	Plot 2.5.1D3
2483.50	-58.29	2.00	38.97	AV	54.00	Plot 2.5.1D4
2500.00	-46.44	2.00	50.82	PK	74.00	Plot 2.5.1D3
2500.00	-61.25	2.00	36.01	AV	54.00	Plot 2.5.1D4

B. Test Plots:



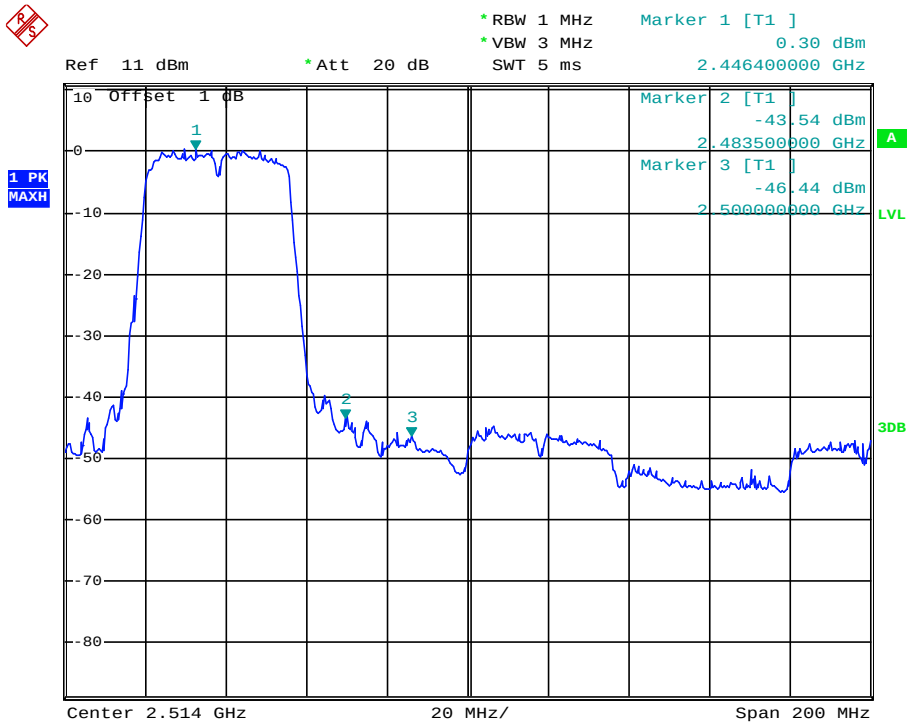
Date: 25.JAN.2013 18:13:19

(Plot 2.5.1 D1: Channel = 2 2422MHz @ 802.11n-40)



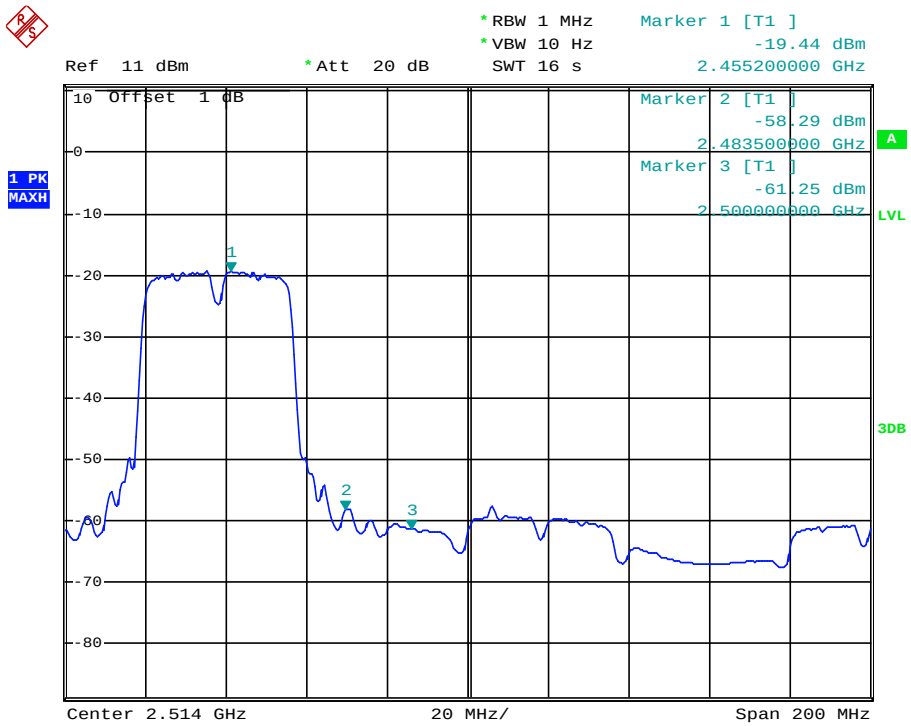
Date: 25.JAN.2013 18:13:46

(Plot 2.5.1 D2: Channel = 3 2422MHz @ 802.11n-40)



Date: 25.JAN.2013 18:15:49

(Plot 2.5.1 D3: Channel = 9 2452MHz @ 802.11n-40)



Date: 25.JAN.2013 18:16:15

(Plot 2.5.1 D4: Channel = 9 2452MHz @ 802.11n-40)

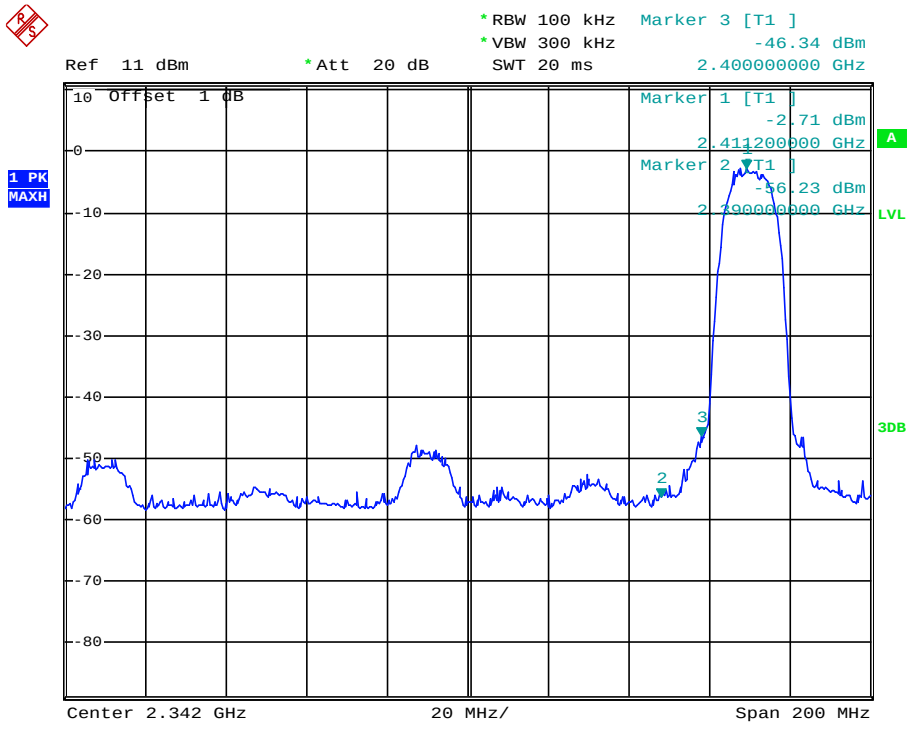
Photos of Conducted Band Edge Measurement

802.11b Test mode

A. Test Verdict:

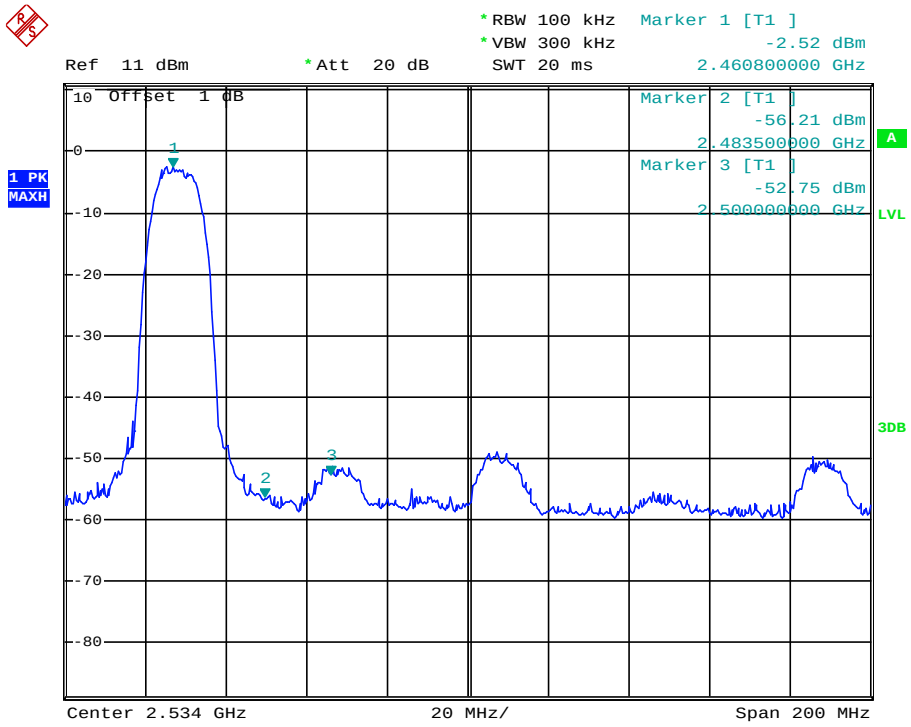
Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2390.00	-53.52	PK	-20.00	Plot 2.5.2A1	Pass
2400.00	-46.63	PK	-20.00	Plot 2.5.2A1	Pass
Out of right side band					
2483.50	-53.69	PK	-20.00	Plot 2.5.2A2	Pass
2500.00	-50.23	PK	-20.00	Plot 2.5.2A2	Pass

B. Test Plots:



Date: 25.JAN.2013 18:07:01

(Plot 2.5.2 A1: Channel =1 2412MHz @ 802.11b)



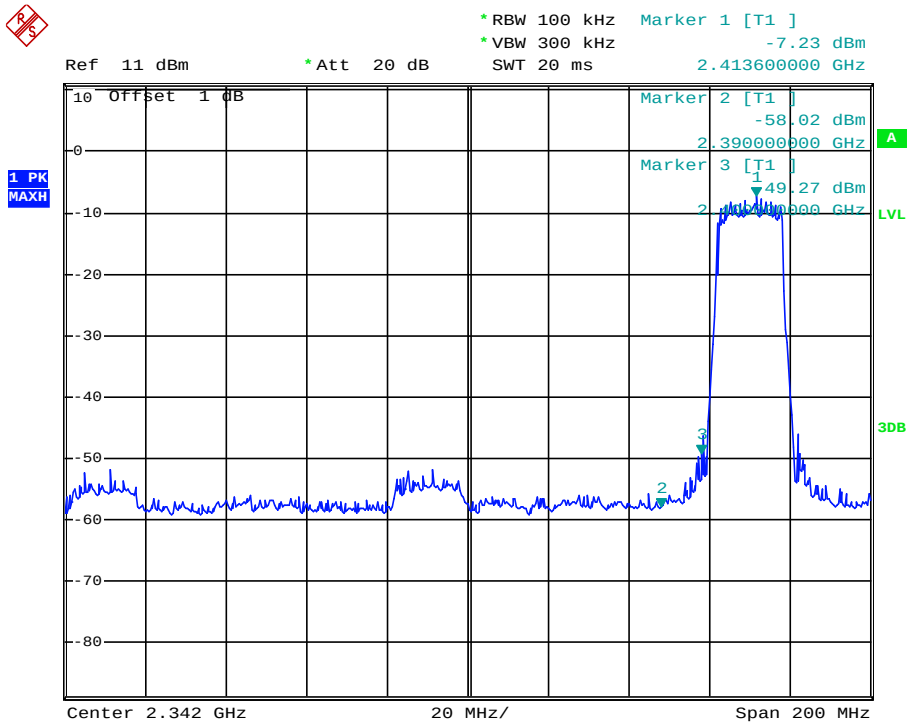
(Plot 2.5.2 A2: Channel =11 2462MHz @ 802.11b)

802.11g Test mode

A. Test Verdict:

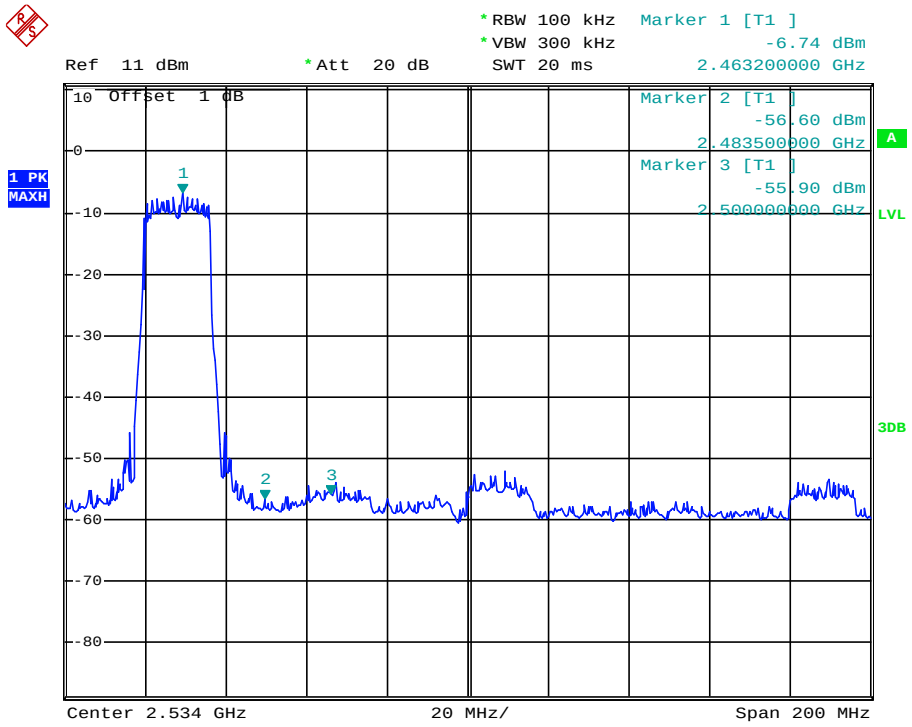
Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2390.00	-50.79	PK	-20.00	Plot 2.5.2B1	Pass
2400.00	-42.04	PK	-20.00	Plot 2.5.2B1	Pass
Out of right side band					
2483.50	-49.86	PK	-20.00	Plot 2.5.2B2	Pass
2500.00	-49.16	PK	-20.00	Plot 2.5.2B2	Pass

B. Test Plots:



Date: 25.JAN.2013 18:08:57

(Plot 2.5.2 B1: Channel =1 2412MHz @ 802.11g)



Date: 25.JAN.2013 18:18:44

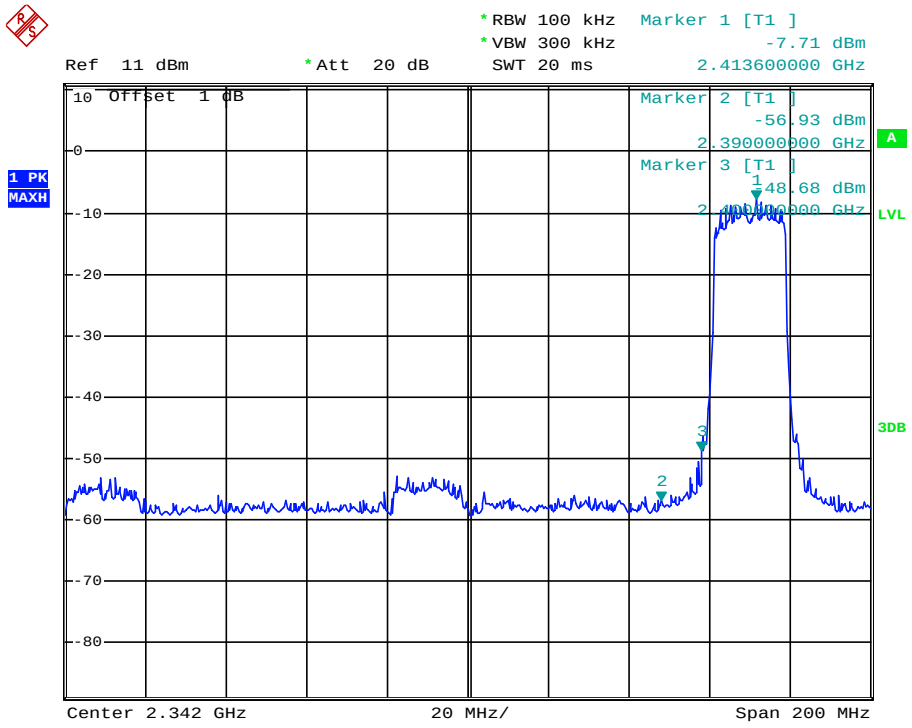
(Plot 2.5.2 B2: Channel =11 2462MHz @ 802.11g)

802.11n-20 Test mode

A. Test Verdict:

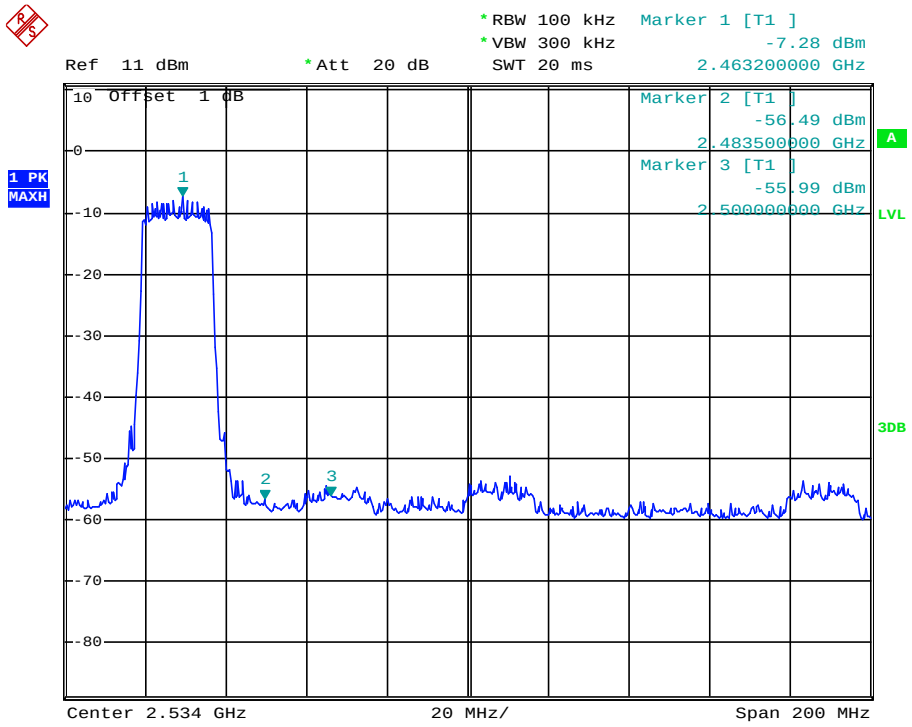
Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2390.00	-49.22	PK	-20.00	Plot 2.5.2C1	Pass
2400.00	-40.97	PK	-20.00	Plot 2.5.2C1	Pass
Out of right side band					
2483.50	-49.21	PK	-20.00	Plot 2.5.2C2	Pass
2500.00	-48.71	PK	-20.00	Plot 2.5.2C2	Pass

B. Test Plots:



Date: 25.JAN.2013 18:10:40

(Plot 2.5.2 C1: Channel =1 2412MHz @ 802.11n-20)



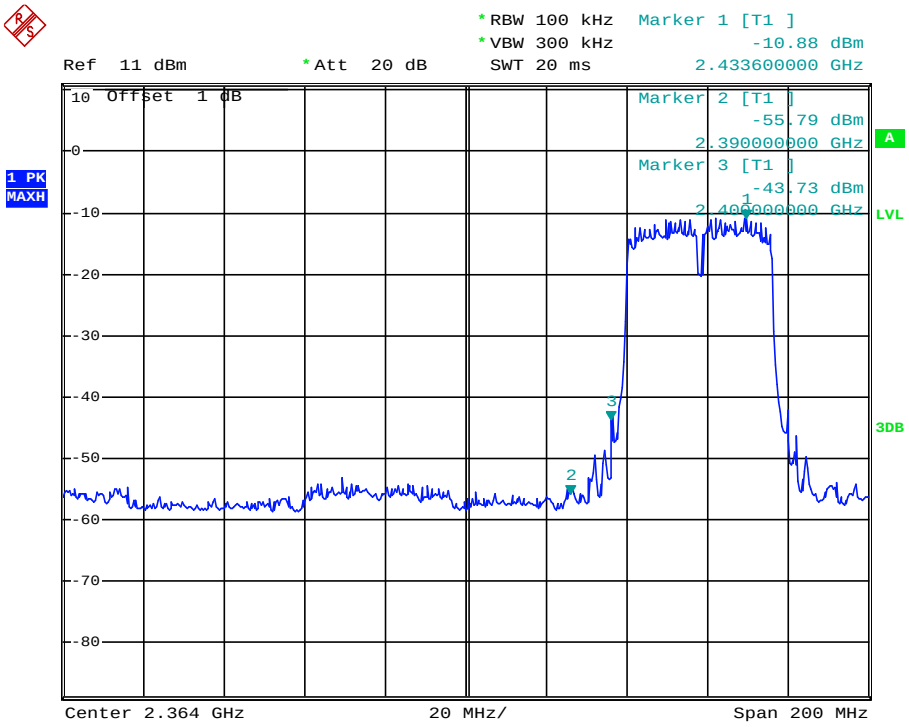
(Plot 2.5.2 C2: Channel =11 2462MHz @ 802.11n-20)

802.11n-40 Test mode

A. Test Verdict:

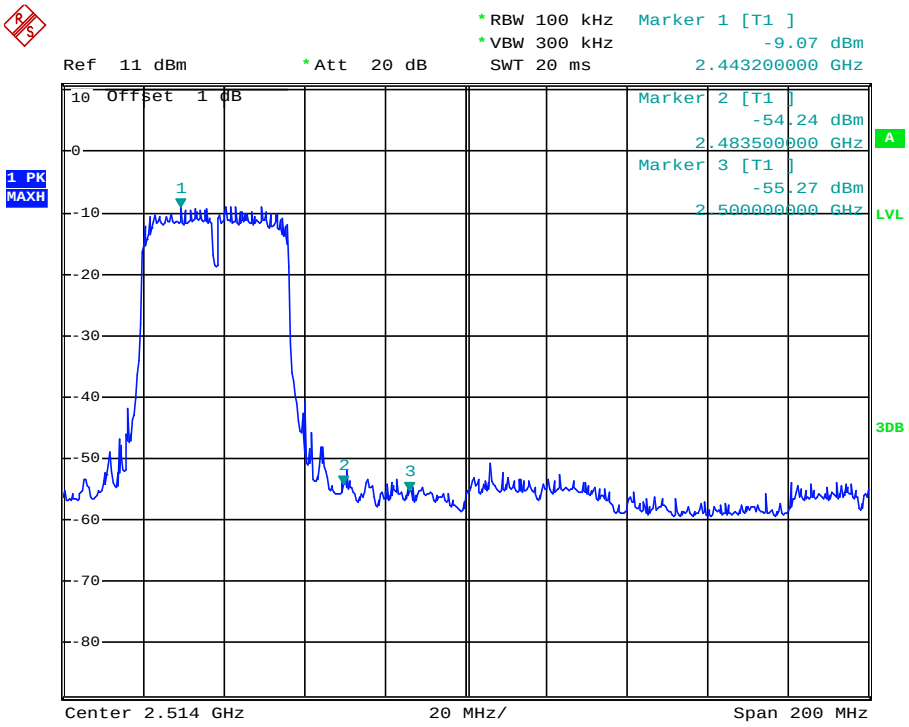
Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2390.00	-44.91	PK	-20.00	Plot 2.5.2D1	Pass
2400.00	-32.85	PK	-20.00	Plot 2.5.2D1	Pass
Out of right side band					
2483.50	-45.17	PK	-20.00	Plot 2.5.2D2	Pass
2500.00	-46.20	PK	-20.00	Plot 2.5.2D2	Pass

B. Test Plots:



Date: 25.JAN.2013 18:13:06

(Plot 2.5.2 D1: Channel =3 2422MHz @ 802.11n-40)

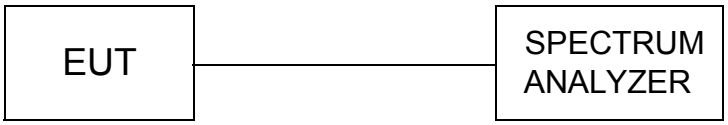


Date: 25.JAN.2013 18:15:32

(Plot 2.5.2 D2: Channel =9 2452MHz @ 802.11n-40)

4.7. Spurious RF Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2009 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBM= 300KHz to measure the peak field strength , and mwasure frequeny range from 30MHz to 26.5GHz.

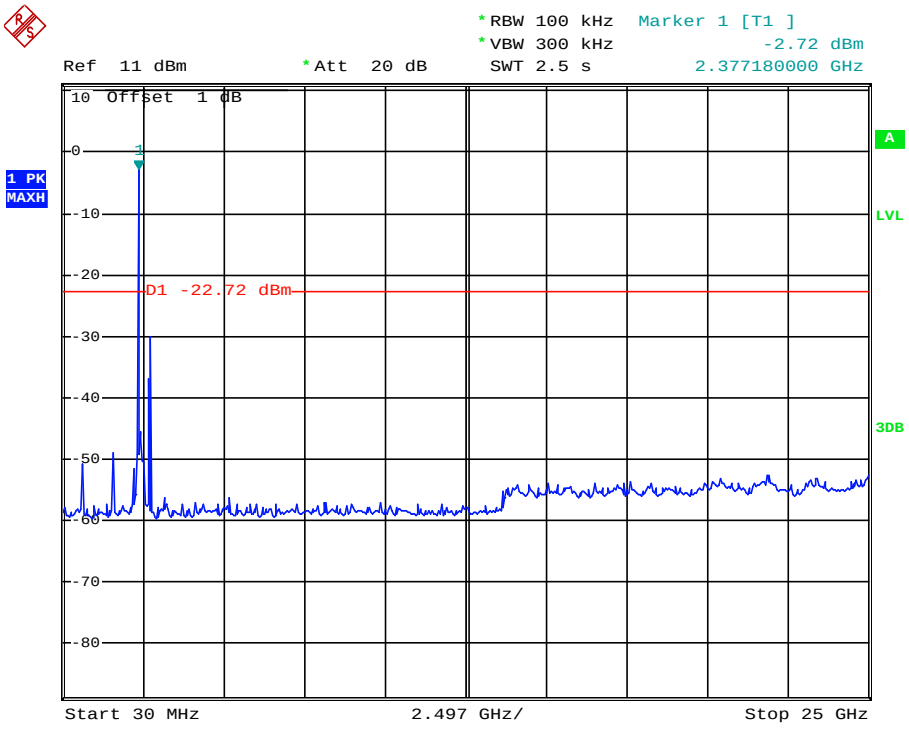
LIMIT

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

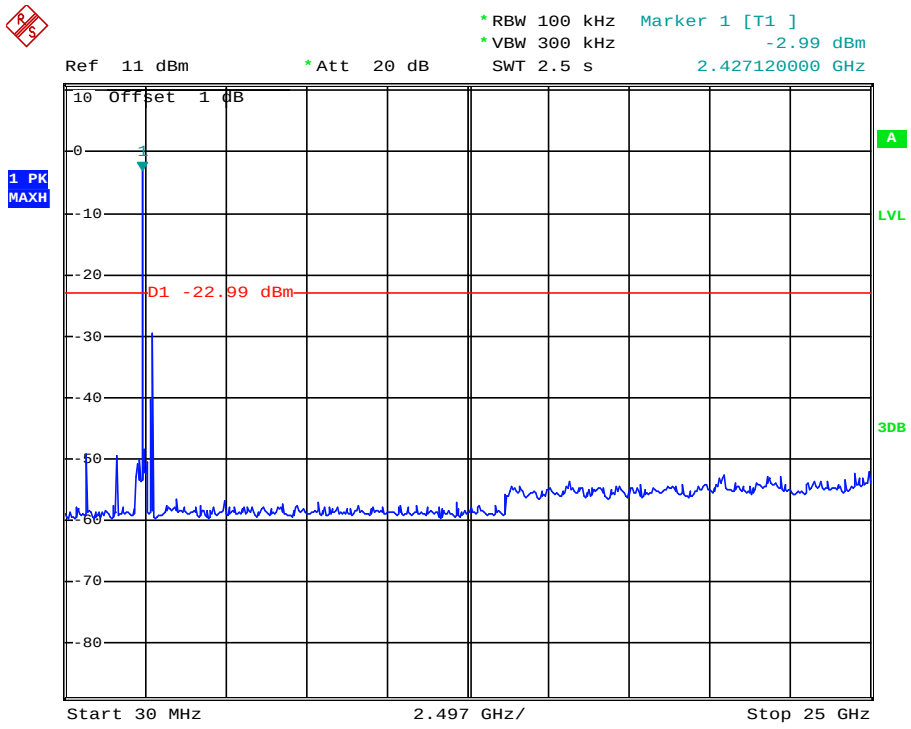
TEST RESULTS

802.11b Mode channel 1



Date: 25.JAN.2013 17:48:00

802.11b Mode channel 6



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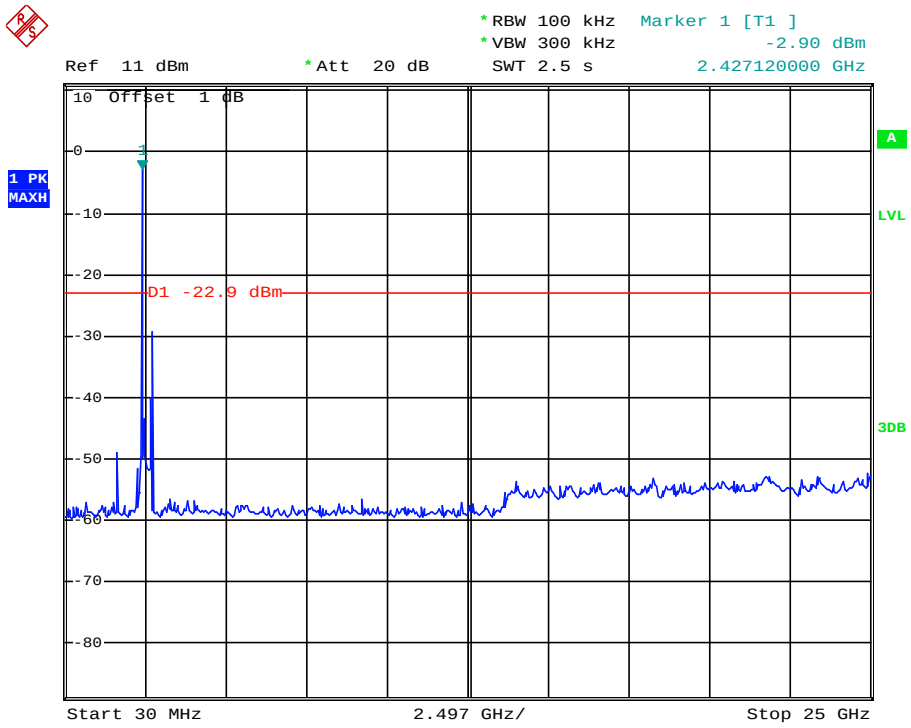
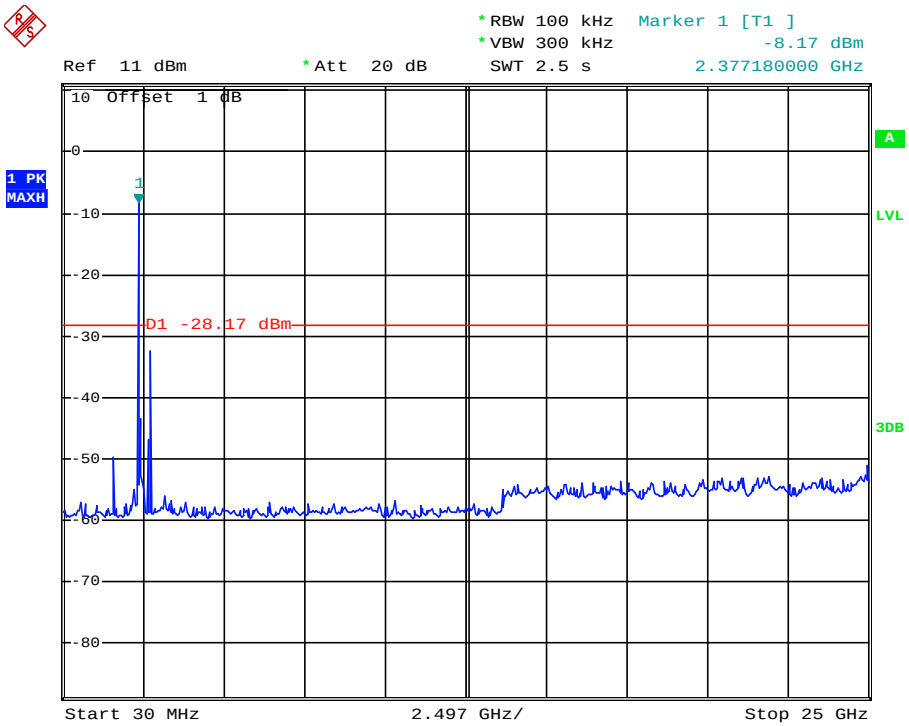
802.11b Mode channel 11



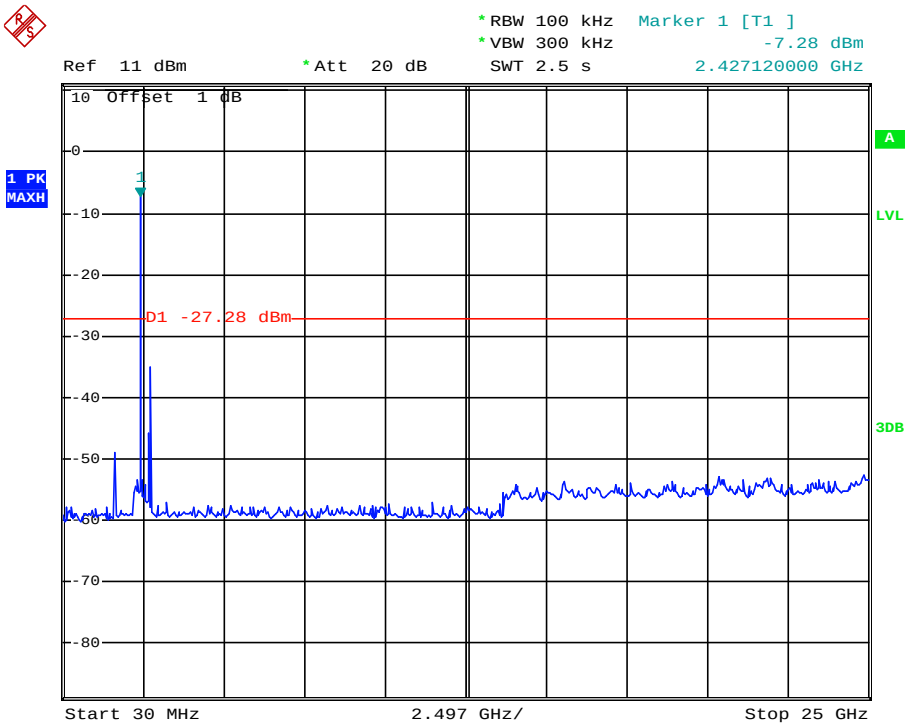
Date: 25.JAN.2013 17:50:41

802.11g Mode channel 1



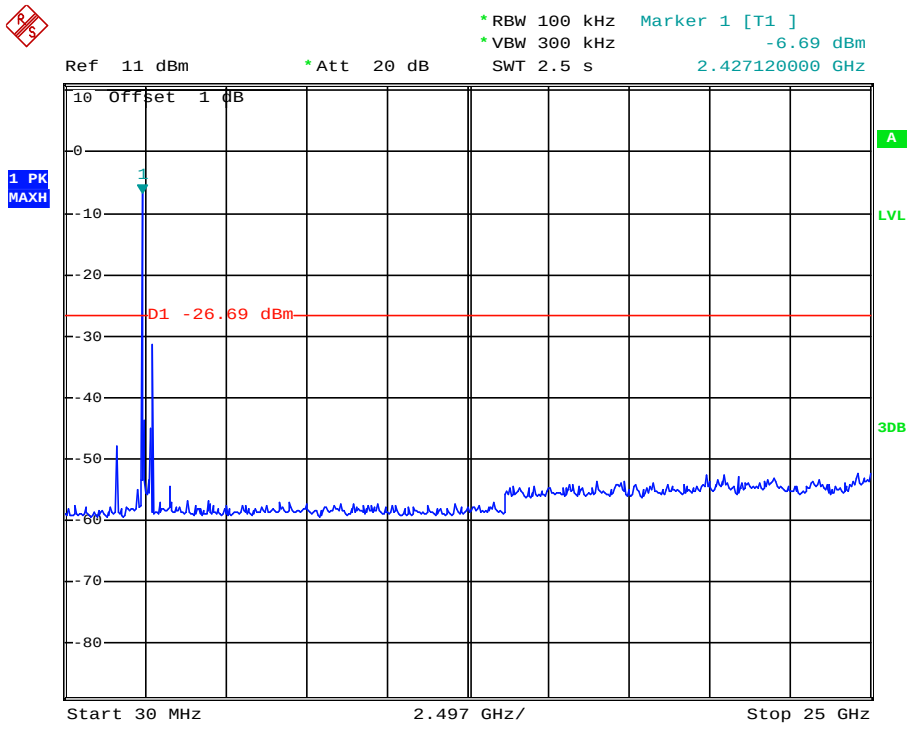
Date: 25.JAN.2013 17:51:43

802.11g Mode channel 6



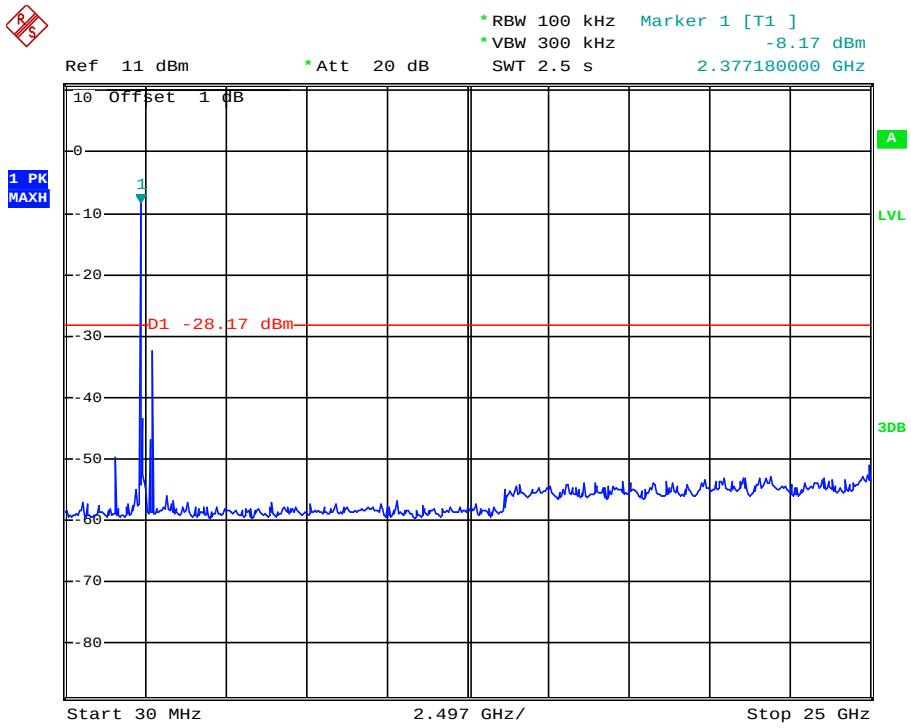
Date: 25.JAN.2013 17:52:30

802.11g Mode channel 11



Date: 25.JAN.2013 17:53:51

802.11n20 Mode channel 1



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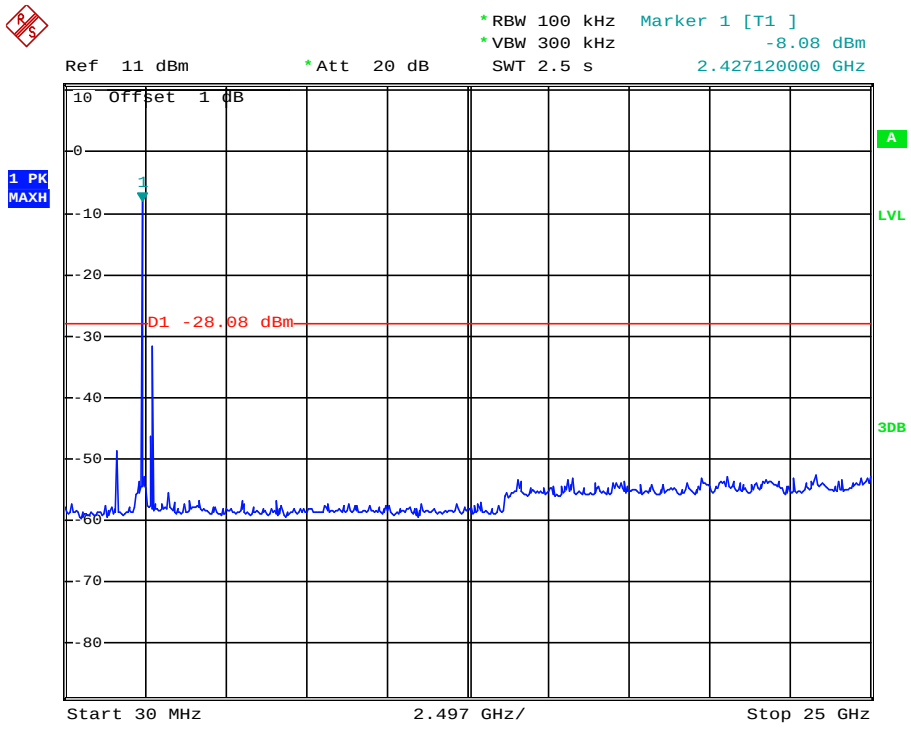
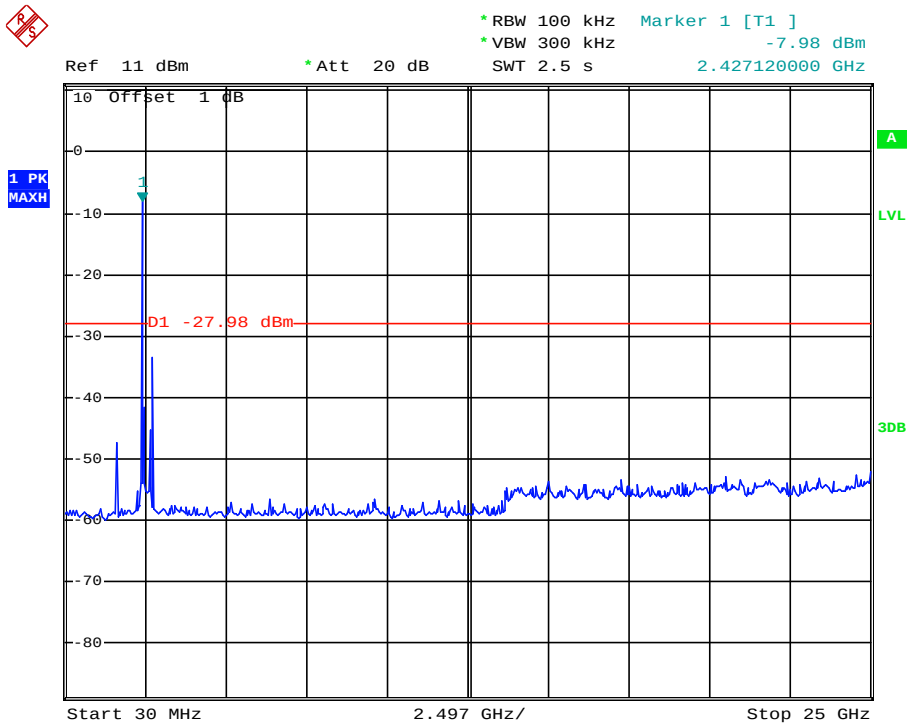
802.11n20 Mode channel 6



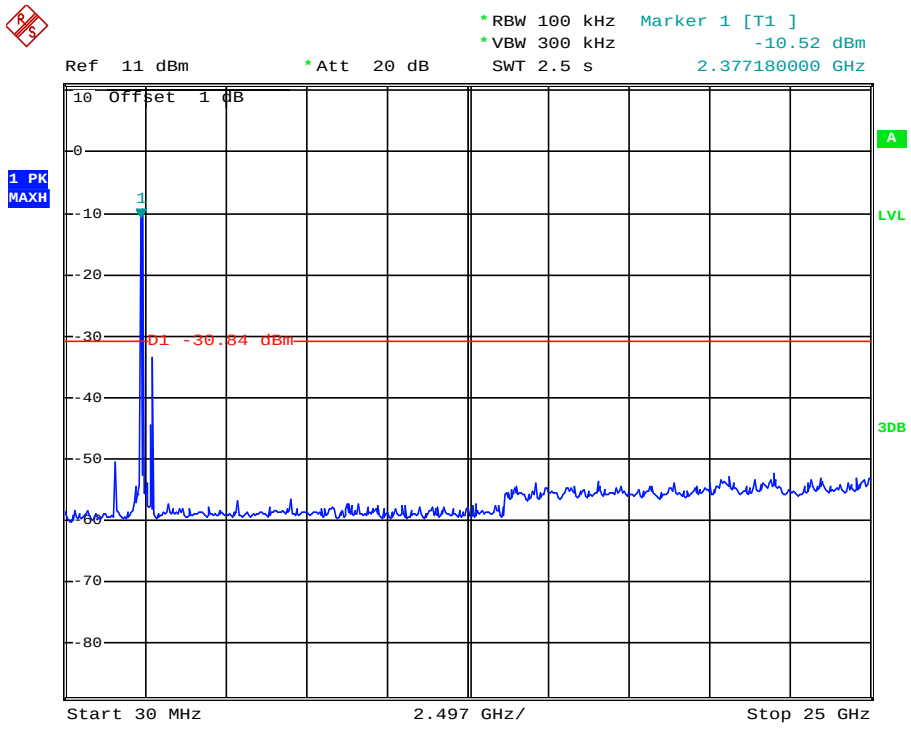
Date: 25.JAN.2013 17:57:44

802.11n20 Mode channel 11



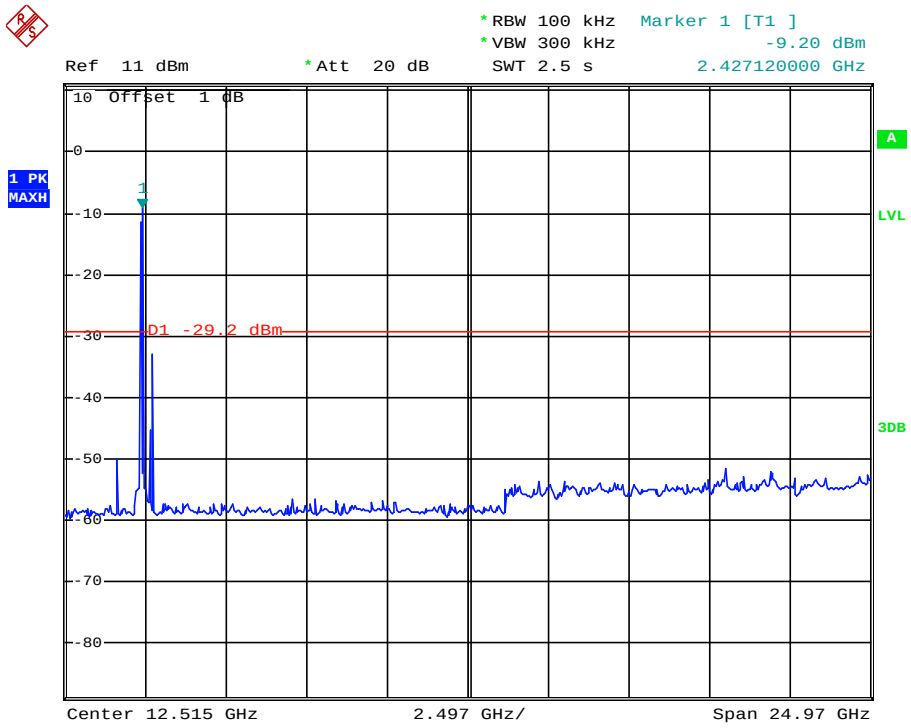
Date: 25.JAN.2013 17:58:47

802.11n40 Mode channel 3



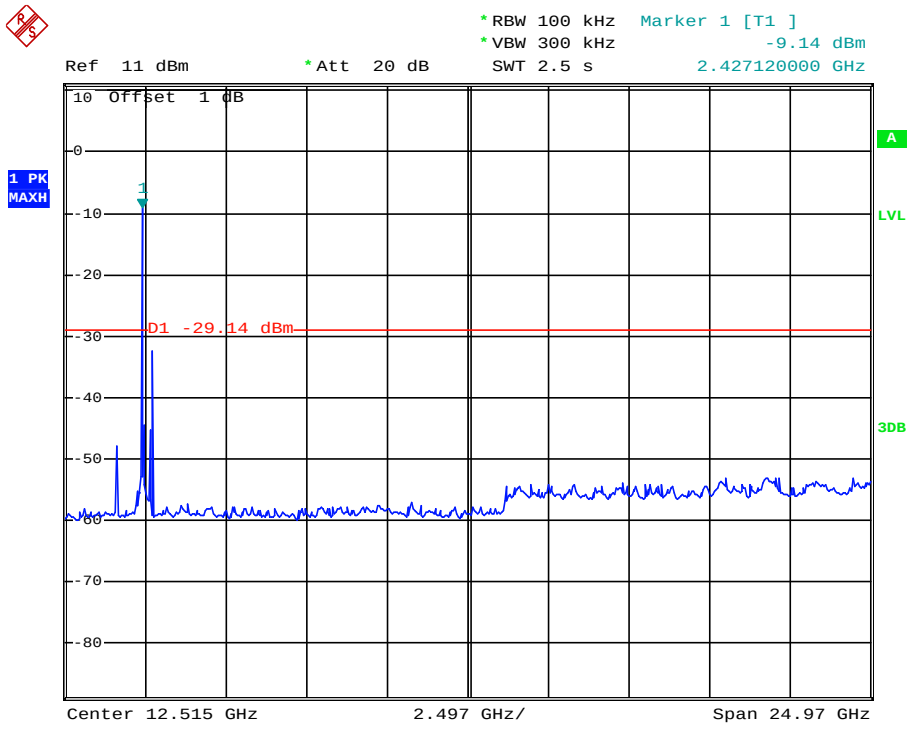
Date: 25.JAN.2013 18:02:02

802.11n40 Mode channel 6



Date: 25.JAN.2013 18:03:52

802.11n40 Mode channel 9



Date: 25.JAN.2013 18:04:45

4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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.

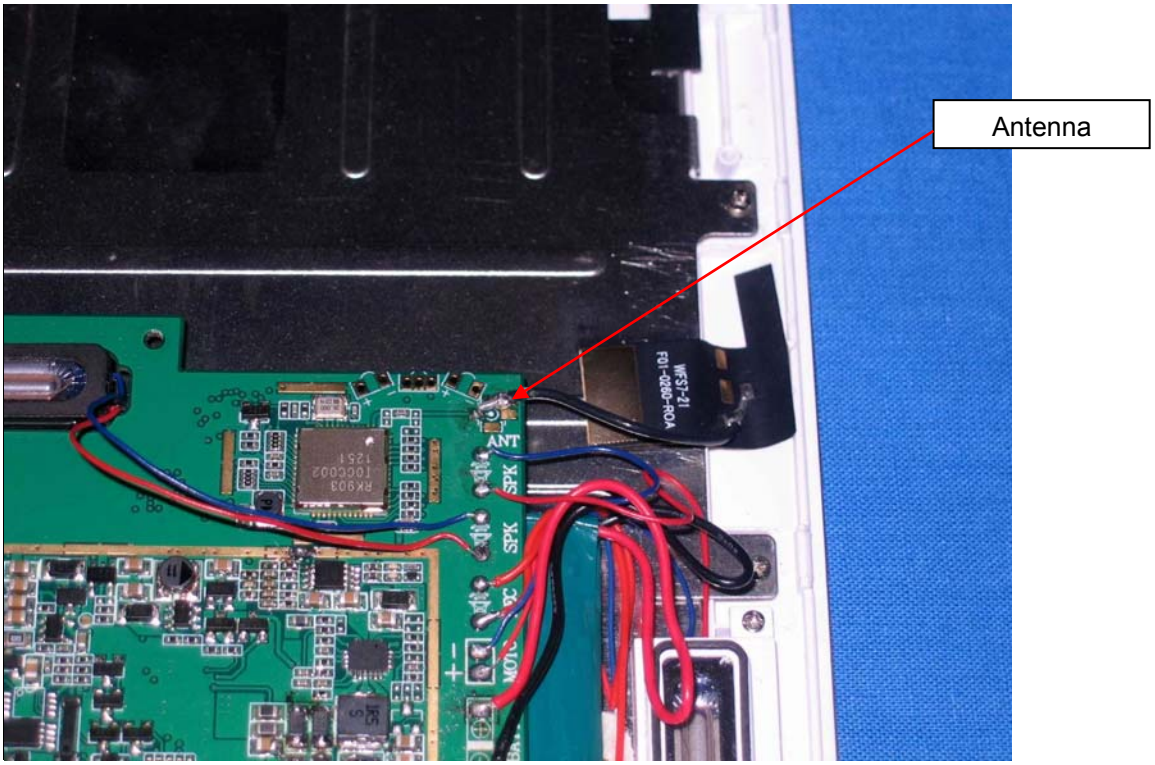
And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is a PCB Antenna .The maximum Gain of the antenna only 2.0dBi. Detail please see the photos as following:



5. Test Setup Photos of the EUT

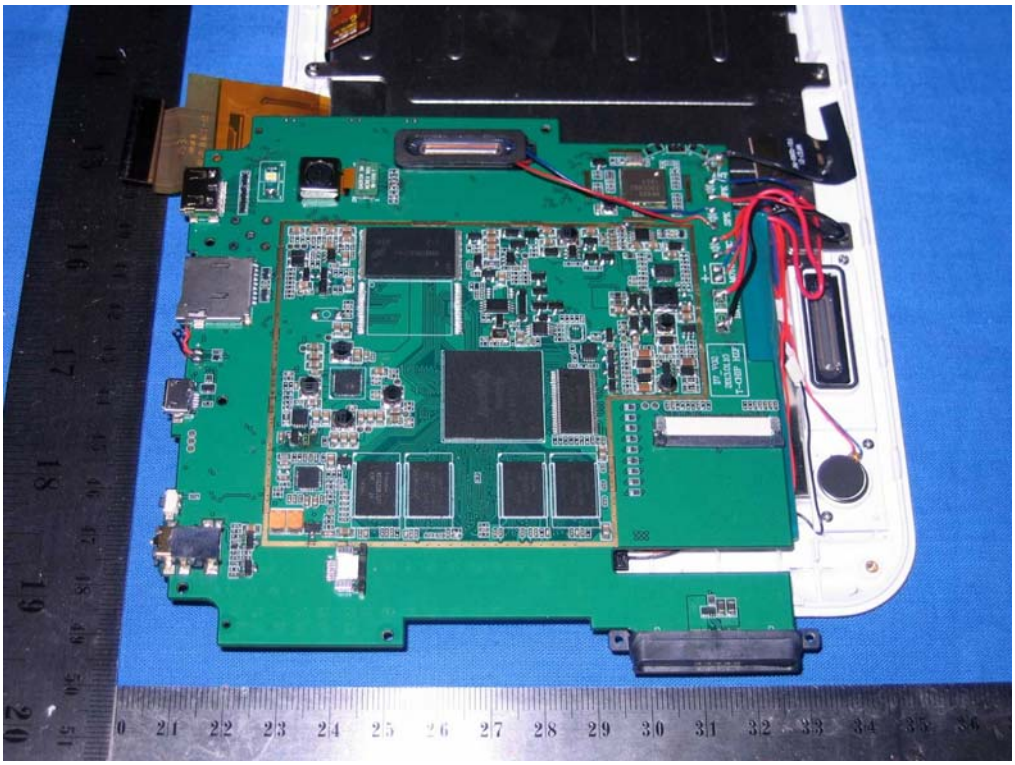
6. External and Internal Photos of the EUT

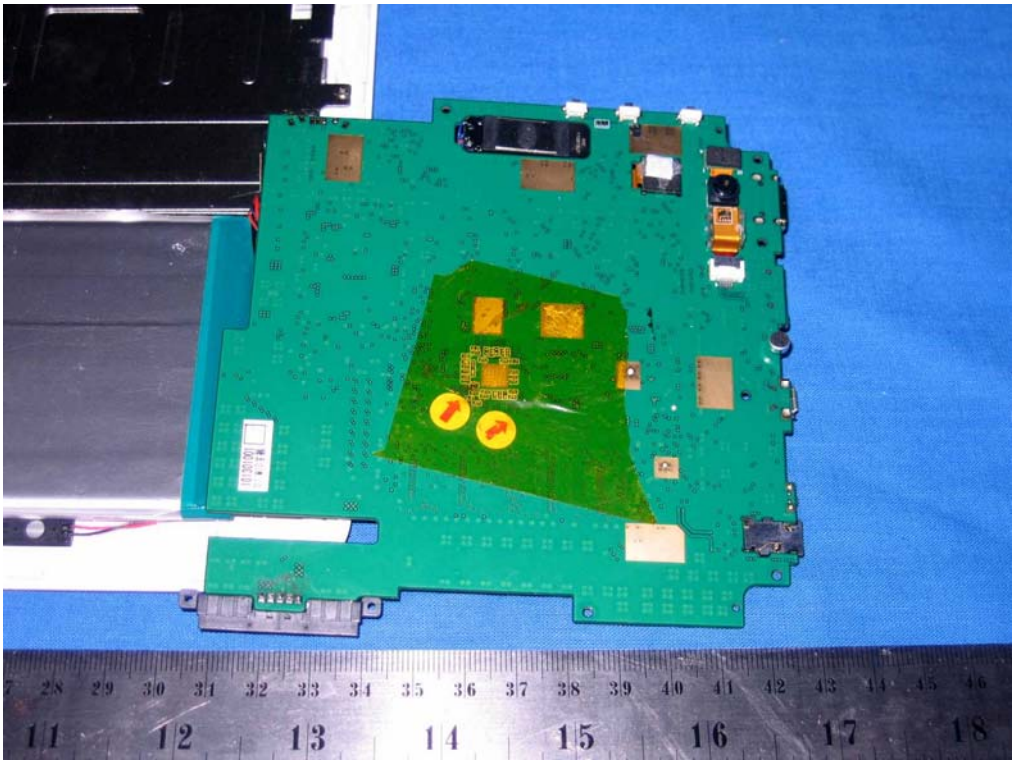
External Photos

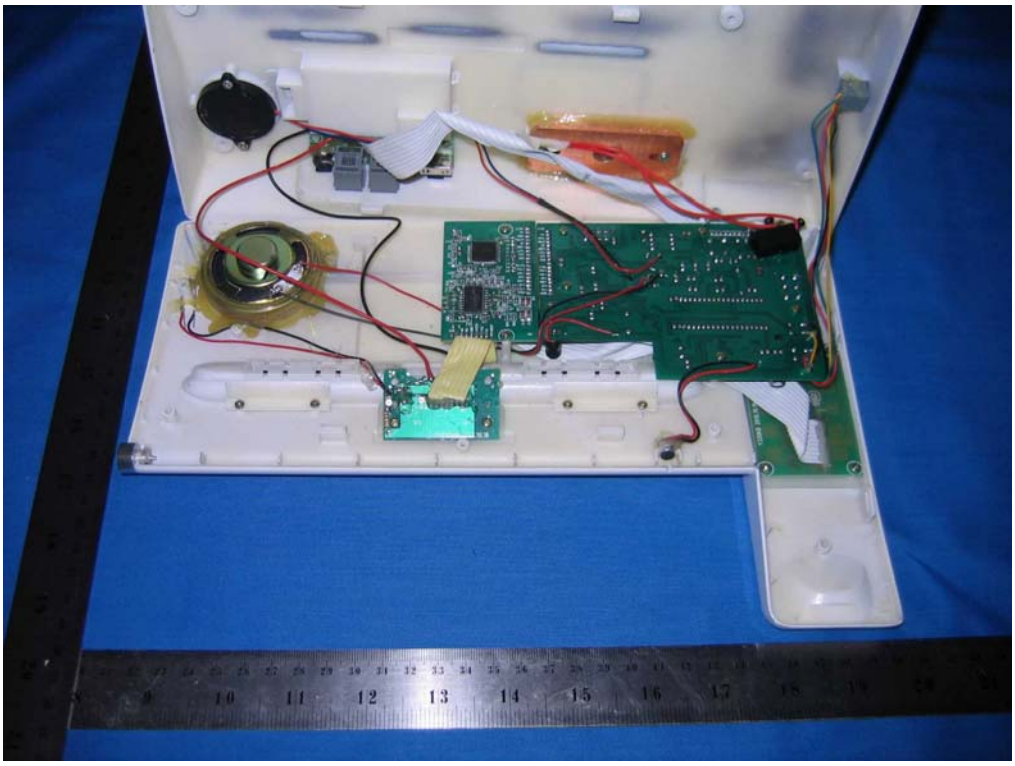

AC-DC ADAPTER
DTDP12W
MADE IN CHINA

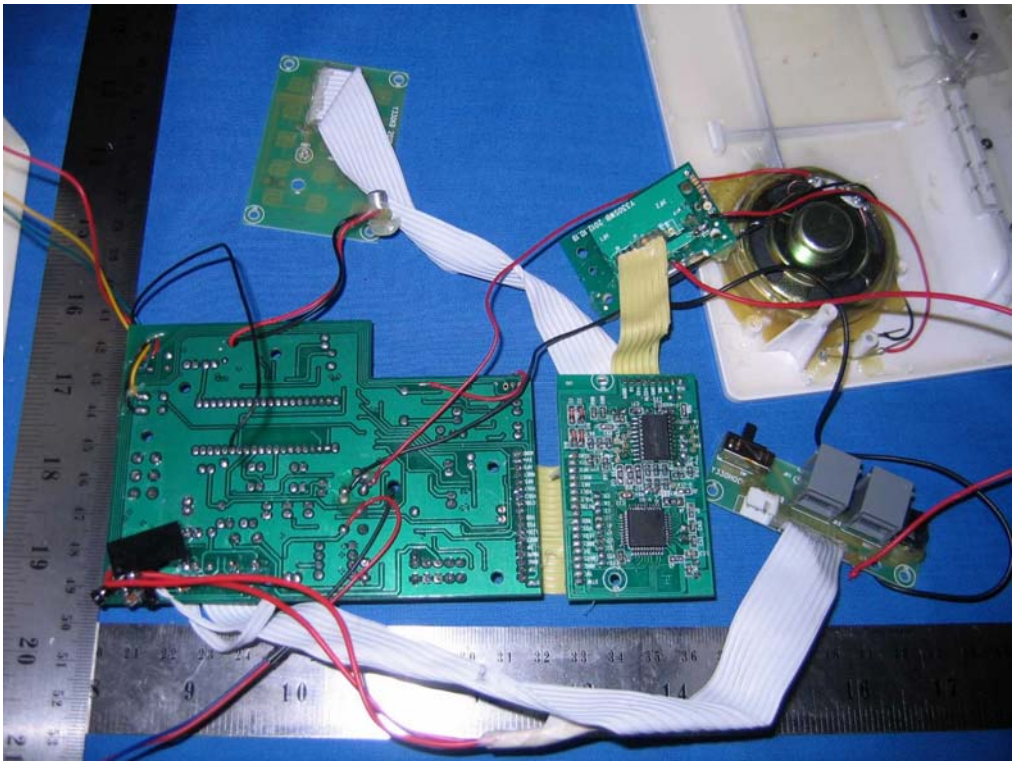

PLDT

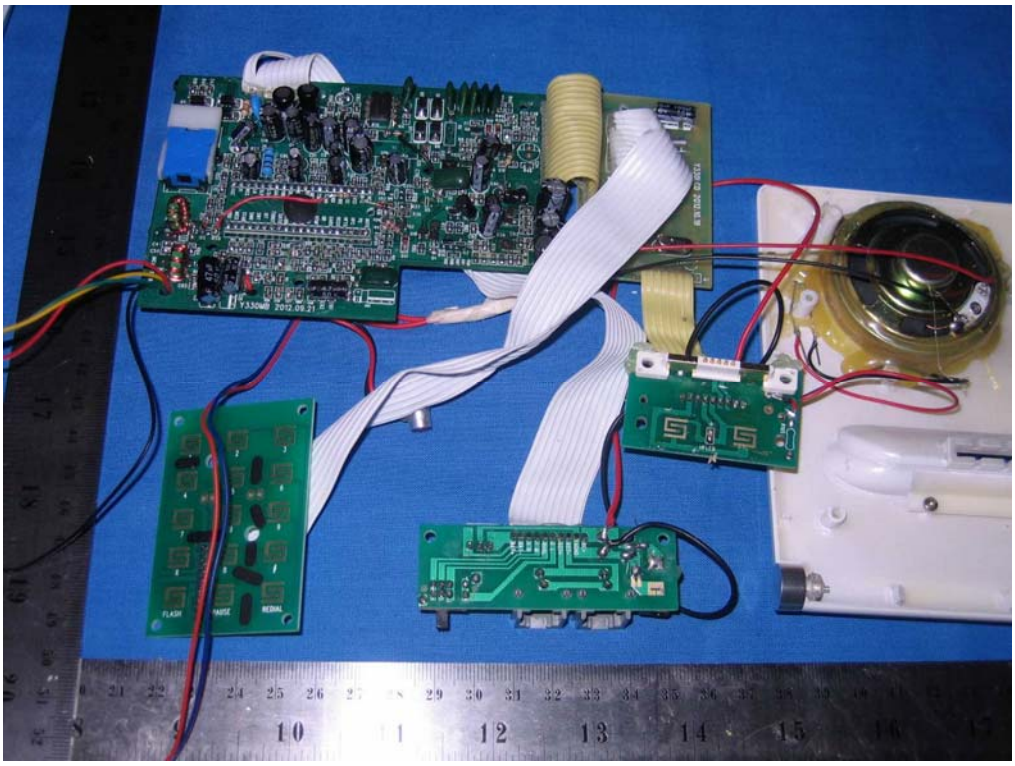
Internal Photos

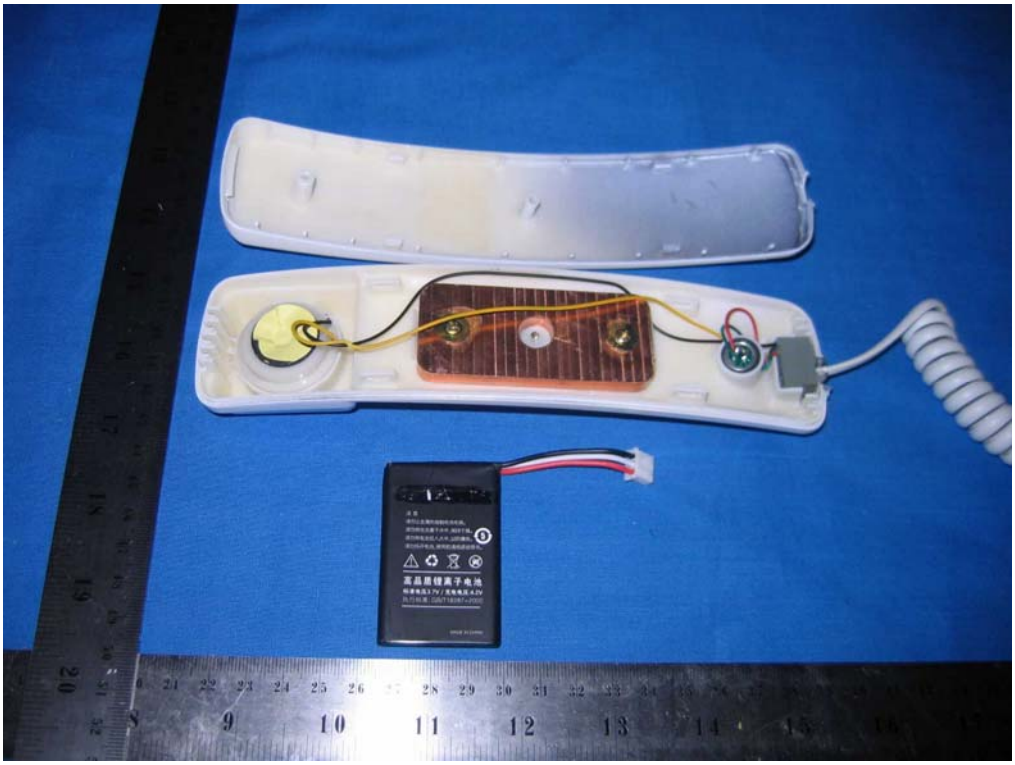












.....End of Report.....