FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.247

Report Reference No.....:	**MWR1403002903**
FCC ID.....:	**2ABOSSKYCOOL**
Compiled by (position+printed name+signature)..:	File administrators Martin Ao
Supervised by (position+printed name+signature)..:	Test Engineer Martin Ao
Approved by (position+printed name+signature)..:	Manager Dixon Hao
Date of issue.....:	Mar 25, 2014
Representative Laboratory Name .:	**Maxwell International Co., Ltd.**
Address .....:	Room 509, Hongfa center building, Baoan District, Shenzhen, Guangdong, 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.....:	**SKY PHONE LLC**
Address .....:	1348 Washington Av. Suite 350
Test specification .....**:**	
Standard .....:	**FCC Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz**
TRF Originator.....:	DTT Services Co.,Ltd
Master TRF.....:	Dated 2011-05

Test item description .....:	Sky Cool
Trade Mark .....:	SKY DEVICES
Model/Type reference.....:	MG834
Listed Models .....:	MG834xy(x:0-9,y:A-Z),MS834,MS834xy(x:0-9,y:A-Z), PRO8340xy(x:0-9,y:A-Z), W100
Manufacturer.....:	**SKY PHONE LLC**
Modulation Type .....:	DSSS(CCK,DQPSK,DBPSK),OFDM(64QAM,16QAM,QPSK, BPSK)
Operation Frequency.....:	From 2412MHz to 2462MHz
Rating .....:	DC 3.70V
Hardware version .....:	M152-MB-V5.1
Software version .....:	V5.1
Result.....:	**PASS**

TEST REPORT

Test Report No. :	MWR1403002903	Mar 25, 2014 Date of issue

Equipment under Test	:	Sky Cool
Model /Type	:	MG834
Listed Models	:	MG834xy(x:0-9,y:A-Z),MS834,MS834xy(x:0-9,y:A-Z), PRO8340xy(x:0-9,y:A-Z), W100
Applicant	:	**SKY PHONE LLC**
Address	:	1348 Washington Av. Suite 350
Manufacturer		**SKY PHONE LLC**
Address	:	1348 Washington Av. Suite 350

Test Result	PASS

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: American National Standard for Testing Unlicensed Wireless Devices

KDB558074 D01 V03: Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Mar 10, 2014
Testing commenced on	:	Mar 10, 2014
Testing concluded on	:	Mar 25, 2014

2.2. Product Description

The **SKY PHONE LLC**'s Model: MG384 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

Name of EUT	Sky Cool
Model Number	MG834, MG834xy(x:0-9,y:A-Z),MS834,MS834xy(x:0-9,y:A-Z), PRO8340xy(x:0-9,y:A-Z), W100
FCC ID	2ABOSSKYCOOL
Modilation Type	GMSK for GSM/GPRS
Antenna Type	External
GSM/EDGE/GPRS	Supported GPRS
Extreme temp. Tolerance	-30°C to +50°C
Extreme vol. Limits	3.40VDC to 4.20VDC (nominal: 3.70VDC)
GSM Operation Frequency Band	GSM 850MHz/ PCS 1900MHz
GSM Release Version	R99
GPRS operation mode	Class B
GPRS Multislot Class	12
EGPRS Multislot Class	Not Supported

2.3. 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

2.4. Description of the test mode

IEEE 802.11b/g/n: The product support Third channels but only use Eleventh channels in USA.

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

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

2.4GHz (SKY COOL (M/N: MG834))

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

2.6. EUT operation mode

The EUT has been tested under typical operating condition. The Applicant provides command

to control the EUT for staying in continous transmitting and receiving mode for testing.

2.7. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.8. Internal Identification of AE used during the test

AE ID*	Description
AE1	Battery
AE2	Charger and USB cable

AE1
Model: MG834
Manufacturer: SKY PHONE LLC
Capacitance: 800mAh
Nominal Voltage: 3.70V
AE2:
Model: MG834
Manufacturer: SKY PHONE LLC

*AE ID: is used to identify the test sample in the lab internally.

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

This submittal(s) (test report) is intended for **FCC ID: 2ABOSSKYCOOL** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.10. Modifications

No modifications were implemented to meet testing criteria.

2.11. NOTE

1. The EUT is a Sky Cool with GSM/GPRS,WiFi and Bluetooth fuction,The functions of the EUT listed as below:

	Test Standards	Reference Report
GSM/GPRS	FCC Part 22/FCC Part 24	MWR1403002901
Bluetooth	FCC Part 15 C 15.247	MWR1403002902
WiFi	FCC Part 15 C 15.247	MWR1403002903
USB Port	FCC Part 15 B	MWR1403002904
SAR	FCC Part 2 §2.1093	MWR1403002905

2. The 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)	—

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 15.247		
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
Band Edge	11b/DSSS	1 Mbps	1/11
	11g/OFDM	6 Mbps	1/11
	11n(20MHz)/OFDM	6.5Mbps	1/11

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 Shenzhen Huatongwei International Inspection 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 Shenzhen Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Frequency stability	25 Hz	(1)
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-12.75 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-12.75 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)
Emission Mask	---------	(1)
Modulation Characteristic	---------	(1)
Transmitter Frequency Behavior	---------	(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

AC Power Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	2013/10/26
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	100038	2013/10/26
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	2013/10/26
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	N/A	N/A

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2013/10/27
2	EMI TEST RECEIVER	Rohde&Schwarz	ESI 26	100009	2013/10/25
3	EMI TEST Software	Audix	E3	N/A	N/A
4	EMI TEST Software	Rohde&Schwarz	ESK1	N/A	N/A
5	HORN ANTENNA	ShwarzBeck	9120D	1011	2013/10/27
6	Amplifer	Sonoma	310N	E009-13	2013/10/27

7	Preamplifier	ShwarzBeck	BBV 9718	BBV 9718	2013/10/25
8	High pass filter	Compliance Direction systems	BSU-6	34202	2013/10/25
9	Amplifer	Compliance Direction systems	PAP1-4060	120	2013/10/26
10	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100020	2013/10/25
11	TURNTABLE	MATURO	TT2.0	----	N/A
12	ANTENNA MAST	MATURO	TAM-4.0-P	----	N/A
13	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2013/10/27

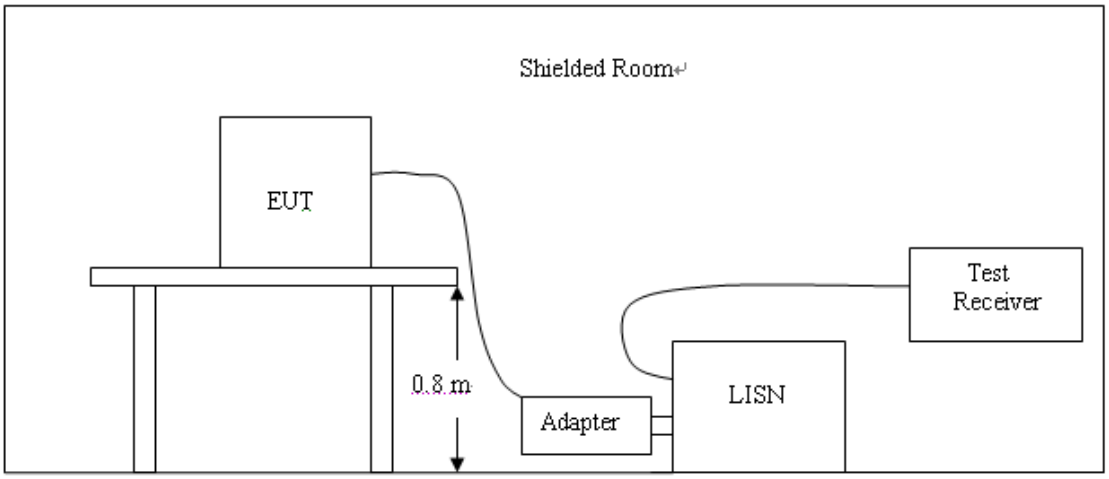
Maximum Peak Output Power / Power Spectral Density / 6dB Bandwidth / Band Edge Compliance of RF Emission / Spurious RF Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2013/10/25

The Cal.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:

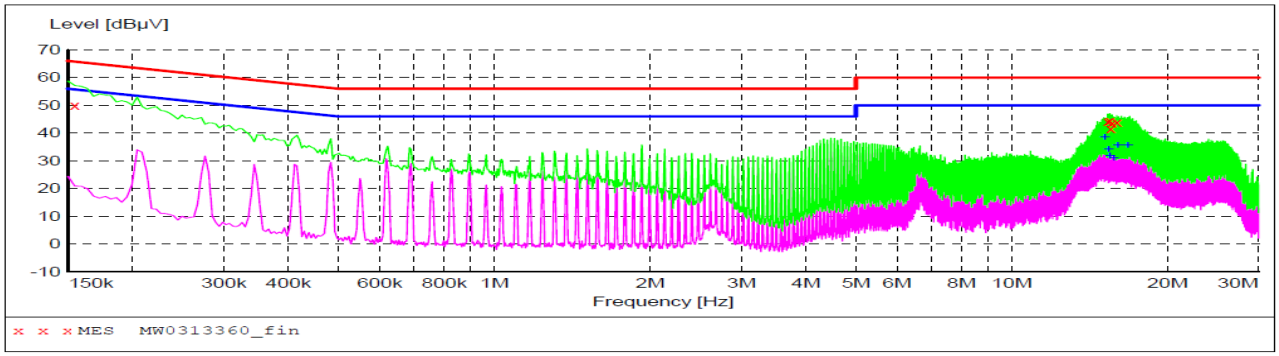
Frequency (MHz)	Maximum RF Line Voltage (dBμV)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency

TEST RESULTS

The AC Power Conducted Emission 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 modes and channels.

SCAN TABLE: "Voltage (9K-30M) FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "MW0313360_fin"

3/13/2014 8:54PM

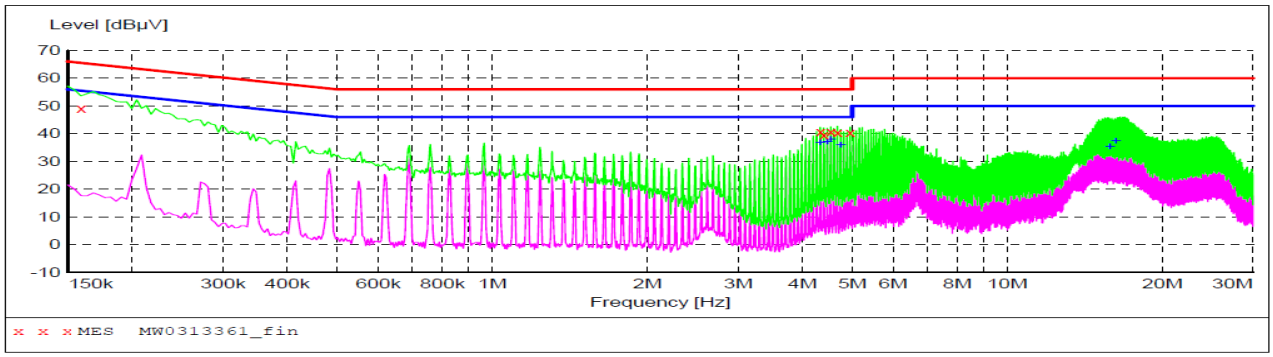
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.154500	49.90	10.1	66	15.9	QP	L1	GND
15.342000	44.10	10.6	60	15.9	QP	L1	GND
15.481500	44.50	10.7	60	15.5	QP	L1	GND
15.544500	41.40	10.7	60	18.6	QP	L1	GND
15.616500	43.60	10.7	60	16.4	QP	L1	GND
15.967500	43.80	10.7	60	16.2	QP	L1	GND

MEASUREMENT RESULT: "MW0313360_fin2"

3/13/2014 8:54PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
15.139500	38.40	10.6	50	11.6	AV	L1	GND
15.409500	34.10	10.7	50	15.9	AV	L1	GND
15.477000	31.80	10.7	50	18.2	AV	L1	GND
15.751500	30.70	10.7	50	19.3	AV	L1	GND
16.030500	35.50	10.7	50	14.5	AV	L1	GND
16.786500	35.50	10.7	50	14.5	AV	L1	GND

SCAN TABLE: "Voltage (9K-30M) FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "MW0313361_fin"

3/13/2014 8:57PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159000	49.20	10.1	66	16.3	QP	N	GND
4.335000	40.80	10.2	56	15.2	QP	N	GND
4.402500	39.60	10.2	56	16.4	QP	N	GND
4.542000	40.70	10.2	56	15.3	QP	N	GND
4.681500	40.30	10.2	56	15.7	QP	N	GND
4.956000	40.30	10.2	56	15.7	QP	N	GND

MEASUREMENT RESULT: "MW0313361_fin2"

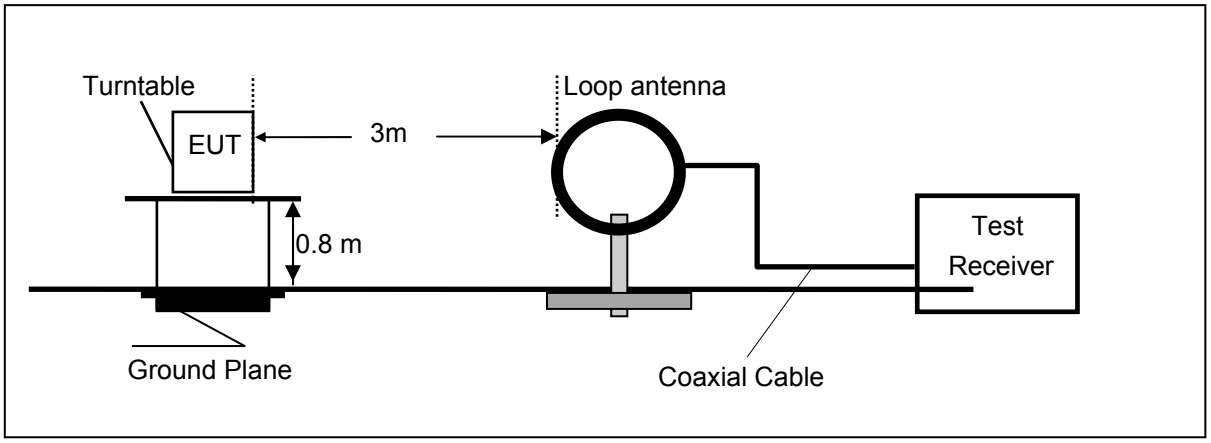
3/17/2014 8:57PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
4.335000	36.70	10.2	46	9.3	AV	N	GND
4.474500	36.80	10.2	46	9.2	AV	N	GND
4.542000	37.80	10.2	46	8.2	AV	N	GND
4.749000	35.70	10.2	46	10.3	AV	N	GND
15.832500	35.30	10.7	50	14.7	AV	N	GND
16.237500	37.20	10.7	50	12.8	AV	N	GND

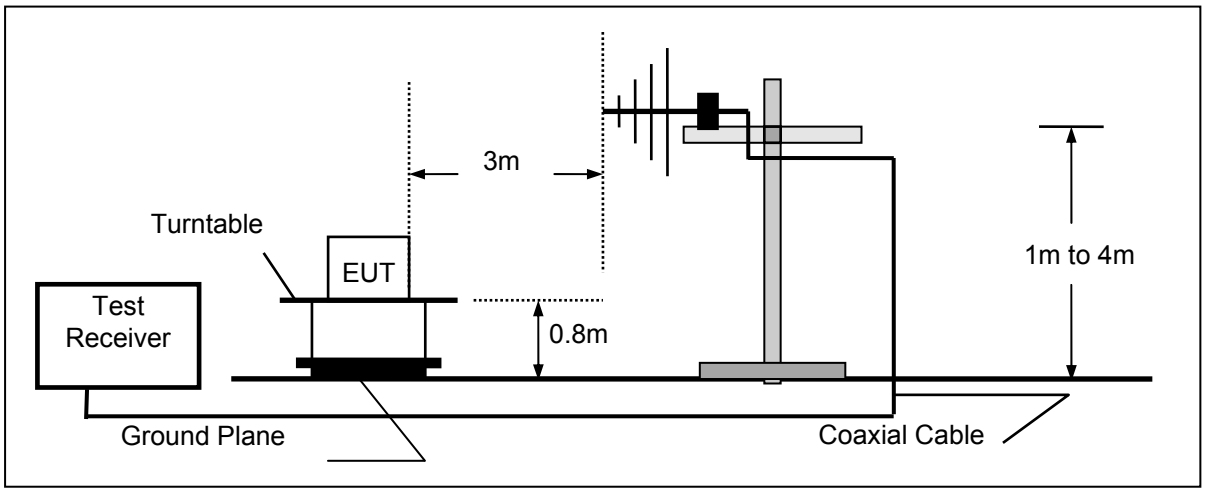
4.2. Radiated Emission

TEST CONFIGURATION

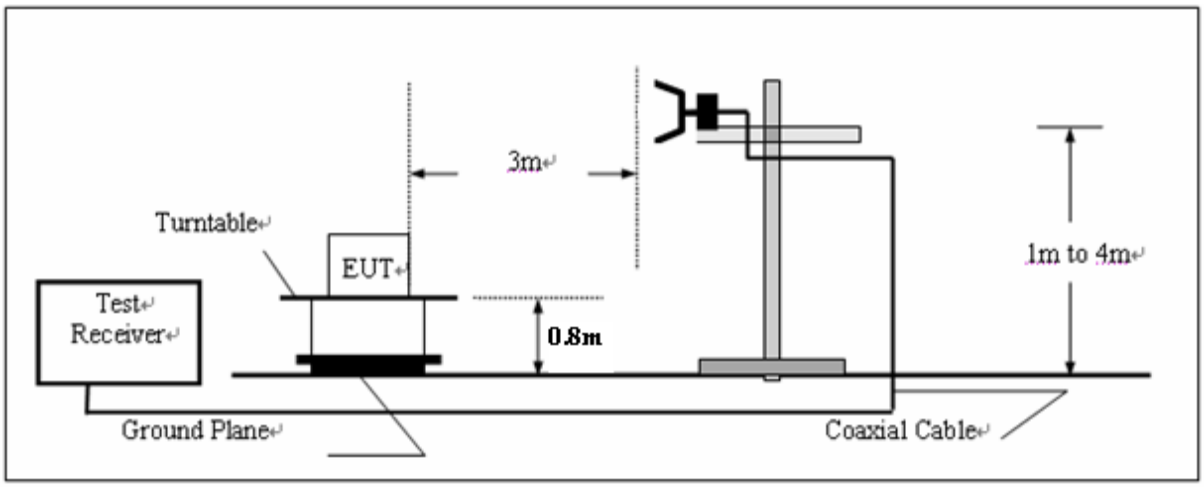
Frequency range 9KHz – 30MHz



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 EUT minimum operation frequency was 32.768KHz and maximum operation frequency was 2462MHz.so radiated emission test frequency band 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	

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)
0.009-0.49	300	20log(2400/F(KHz))+80	2400/F(KHz)
0.49-1.705	30	20log(24000/F(KHz))+40	24000/F(KHz)
1.705-30	30	20log(30)+40	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST RESULTS

Remark:

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. ULTRA-BROADBAND ANTENNA for the radiation emission test below 1G.
3. HORN ANTENNA for the radiation emission test above 1G.
4. We tested both battery powered and powered by adapter charging mode at three orientations,recored woest case at powered by adapter charging mode.

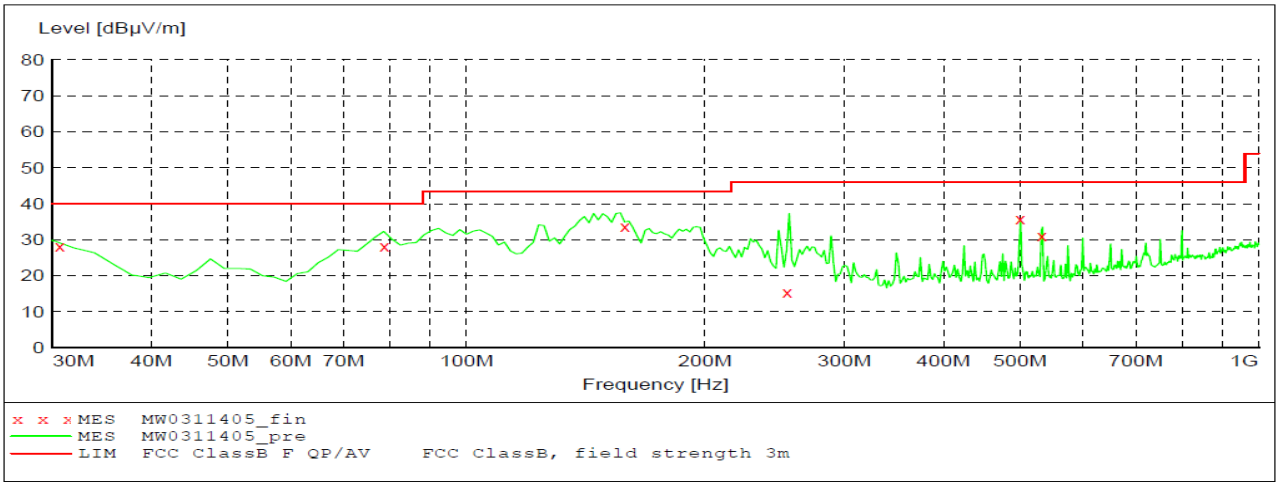
For 9KHz to 30MHz

Frequency (MHz)	Corrected Reading (dBμV/m)@3m	FCC Limit (dBμV/m) @3m	Margin (dB)	Detector	Result
12.00	45.80	69.54	23.74	QP	PASS
24.00	47.97	69.54	21.57	QP	PASS

For 30MHz to 1000MHz

SCAN TABLE: "test Field(30M-1G)QP"

Short Description:			Field Strength(30M-1G)			
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	VULB9163



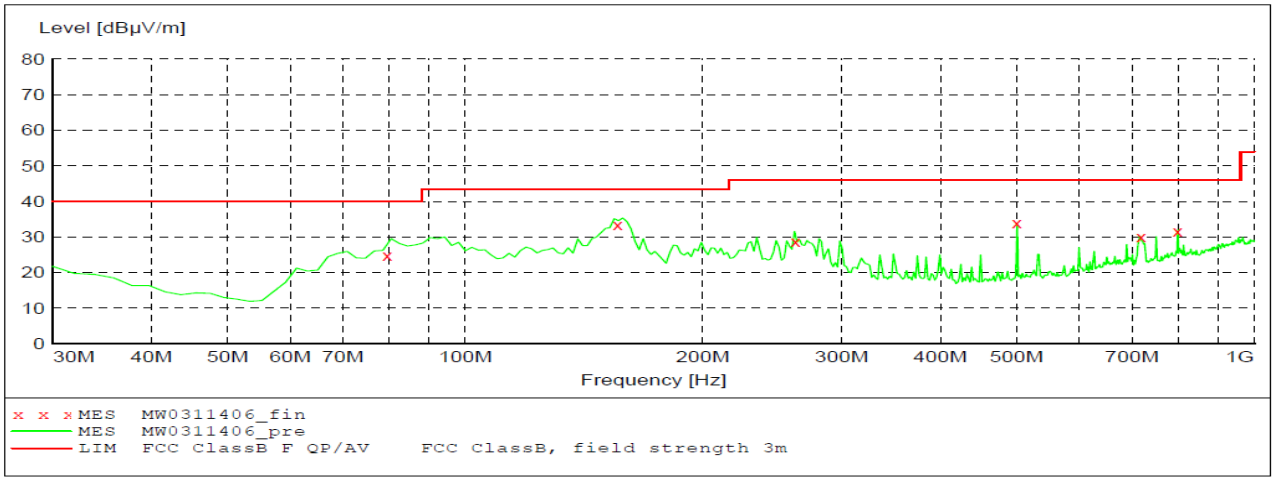
MEASUREMENT RESULT: "MW0311405_fin"

3/11/2014 8:34PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.660000	28.20	-10.5	40.0	11.8	QP	100.0	69.00	VERTICAL
78.840000	28.30	-22.7	40.0	11.7	QP	100.0	322.00	VERTICAL
158.580000	33.70	-23.0	43.5	9.8	QP	100.0	136.00	VERTICAL
254.100000	15.50	-19.9	46.0	30.5	QP	100.0	138.00	VERTICAL
499.980000	35.80	-14.3	46.0	10.2	QP	100.0	290.00	VERTICAL
532.860000	31.00	-13.9	46.0	15.0	QP	100.0	331.00	VERTICAL

SCAN TABLE: "test Field(30M-1G)QP"

Short Description:			Field Strength(30M-1G)			
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	VULB9163



MEASUREMENT RESULT: "MW0311406_fin"

3/11/2014 8:45PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
79.680000	24.90	-22.6	40.0	15.1	QP	250.0	183.00	HORIZONTAL
156.060000	33.50	-22.7	43.5	10.0	QP	150.0	222.00	HORIZONTAL
262.260000	28.70	-19.8	46.0	17.3	QP	100.0	284.00	HORIZONTAL
499.980000	33.90	-14.3	46.0	12.1	QP	100.0	199.00	HORIZONTAL
719.160000	30.10	-10.6	46.0	15.9	QP	123.0	200.00	HORIZONTAL
799.980000	31.70	-8.8	46.0	14.3	QP	100.0	177.00	HORIZONTAL

For 1GHz to 25GHz

802.11b Mode(above 1GHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2412MHz)												
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	4824.00	61.66	PK	74.00	12.34	1.00 H	46	59.56	31.60	7.00	36.5	2.10
1	4824.00	42.47	AV	54.00	11.53	1.00 H	46	40.37	31.60	7.00	36.5	2.10
2	7236.00	59.38	PK	74.00	14.62	1.00 H	171	48.45	37.33	8.90	35.3	10.93
2	7236.00	43.40	AV	54.00	10.60	1.00 H	171	32.47	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2412MHz)												
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	4824.00	61.66	PK	74.00	12.34	1.00 H	24	59.56	31.60	7.00	36.5	2.10
1	4824.00	43.07	AV	54.00	10.93	1.00 H	24	40.97	31.60	7.00	36.5	2.10
2	7236.00	59.22	PK	74.00	14.78	1.00 H	158	48.29	37.33	8.90	35.3	10.93
2	7236.00	39.68	AV	54.00	14.32	1.00 H	158	28.75	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2437MHz)												
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	4824.00	61.66	PK	74.00	12.34	1.00 H	46	59.56	31.60	7.00	36.5	2.10
1	4824.00	42.47	AV	54.00	11.53	1.00 H	46	40.37	31.60	7.00	36.5	2.10
2	7236.00	59.38	PK	74.00	14.62	1.00 H	171	48.45	37.33	8.90	35.3	10.93
2	7236.00	43.40	AV	54.00	10.60	1.00 H	171	32.47	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2437MHz)												
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	4874.00	61.01	PK	74.00	12.99	1.00 H	240	58.89	31.02	7.60	36.5	2.12
1	4874.00	40.91	AV	54.00	13.09	1.00 H	240	38.79	31.02	7.60	36.5	2.12
2	7311.00	60.88	PK	74.00	13.12	1.00 H	159	49.80	37.28	8.60	34.8	11.08
2	7311.00	41.97	AV	54.00	12.03	1.00 H	159	30.89	37.28	8.60	34.8	11.08

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2462MHz)												
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	4924.00	60.55	PK	74.00	13.45	1.00 H	319	58.17	31.58	7.00	36.2	2.38
1	4924.00	41.15	AV	54.00	12.85	1.00 H	319	38.77	31.58	7.00	36.2	2.38
2	7386.00	60.75	PK	74.00	13.25	1.00 H	169	49.04	38.51	8.50	35.3	11.71
2	7386.00	43.69	AV	54.00	10.31	1.00 H	169	31.98	38.51	8.50	35.3	11.71

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2462MHz)												
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	4924.00	60.36	PK	74.00	13.64	1.00 H	252	57.98	31.58	7.00	36.2	2.38
1	4924.00	40.45	AV	54.00	13.55	1.00 H	252	38.07	31.58	7.00	36.2	2.38
2	7386.00	59.66	PK	74.00	14.34	1.00 H	126	47.95	38.51	8.50	35.3	11.71
2	7386.00	42.69	AV	54.00	11.31	1.00 H	126	30.98	38.51	8.50	35.3	11.71

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. For Wireless 802.11b mode at 1Mbps.

802.11g Mode(above 1GHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2412MHz)												
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	4824.00	56.48	PK	74.00	17.52	1.00 H	36	54.38	31.60	7.00	36.5	2.10
1	4824.00	39.59	AV	54.00	14.41	1.00 H	36	37.49	31.60	7.00	36.5	2.10
2	7236.00	62.24	PK	74.00	11.76	1.00 H	284	51.31	37.33	8.90	35.3	10.93
2	7236.00	42.50	AV	54.00	11.50	1.00 H	284	31.57	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2412MHz)												
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	4824.00	48.49	PK	74.00	25.51	1.00 H	7	46.39	31.6	7.00	36.5	2.10
1	4824.00	40.59	AV	54.00	13.41	1.00 H	7	38.49	31.6	7.00	36.5	2.10
2	7236.00	56.06	PK	74.00	17.94	1.00 H	190	45.13	37.33	8.90	35.3	10.93
2	7236.00	42.28	AV	54.00	11.72	1.00 H	190	31.35	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2437MHz)												
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	4874.00	58.82	PK	74.00	15.18	1.00 H	120	56.70	31.02	7.60	36.5	2.12
1	4874.00	42.79	AV	54.00	11.21	1.00 H	120	40.67	31.02	7.60	36.5	2.12
2	7311.00	53.51	PK	74.00	20.49	1.00 H	259	42.43	37.28	8.60	34.8	11.08
2	7311.00	42.77	AV	54.00	11.23	1.00 H	259	31.69	37.28	8.60	34.8	11.08

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2437MHz)												
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	4874.00	53.75	PK	74.00	20.25	1.00 H	104	51.63	31.02	7.60	36.5	2.12
1	4874.00	42.42	AV	54.00	11.58	1.00 H	104	40.30	31.02	7.60	36.5	2.12
2	7311.00	58.49	PK	74.00	15.51	1.00 H	78	47.41	37.28	8.60	34.8	11.08
2	7311.00	42.36	AV	54.00	11.64	1.00 H	78	31.28	37.28	8.60	34.8	11.08

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2462MHz)												
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	4924.00	45.76	PK	74.00	28.24	1.00 H	150	43.38	31.58	7.00	36.2	2.38
1	4924.00	34.80	AV	54.00	19.20	1.00 H	150	32.42	31.58	7.00	36.2	2.38
2	7386.00	54.12	PK	74.00	19.88	1.00 H	25	42.41	38.51	8.50	35.3	11.71
2	7386.00	41.13	AV	54.00	12.87	1.00 H	25	29.42	38.51	8.50	35.3	11.71

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2462MHz)												
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	4924.00	51.01	PK	74.00	22.99	1.00 H	303	48.63	31.58	7.00	36.2	2.38
1	4924.00	38.87	AV	54.00	15.13	1.00 H	303	36.49	31.58	7.00	36.2	2.38
2	7311.00	53.50	PK	74.00	20.50	1.00 H	248	41.79	38.51	8.50	35.3	11.71
2	7311.00	42.21	AV	54.00	11.79	1.00 H	248	30.50	38.51	8.50	35.3	11.71

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. For Wireless 802.11g mode at 6Mbps.

802.11n(20MHz) Mode(above 1GHz)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20--2412MHz)												
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	4824.00	64.46	PK	74.00	9.54	1.00 H	42	62.36	31.60	7.00	36.5	2.10
1	4824.00	50.57	AV	54.00	3.43	1.00 H	42	48.47	31.60	7.00	36.5	2.10
2	7236.00	60.22	PK	74.00	13.78	1.00 H	290	49.29	37.33	8.90	35.3	10.93
2	7236.00	40.48	AV	54.00	13.52	1.00 H	290	29.55	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20--2412MHz)												
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	4824.00	61.47	PK	74.00	12.53	1.00 H	13	59.37	31.6	7.00	36.5	2.10
1	4824.00	48.57	AV	54.00	5.43	1.00 H	13	46.47	31.6	7.00	36.5	2.10
2	7236.00	60.04	PK	74.00	13.96	1.00 H	196	49.11	37.33	8.90	35.3	10.93
2	7236.00	40.26	AV	54.00	13.74	1.00 H	196	29.33	37.33	8.90	35.3	10.93

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20--2437MHz)												
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	4874.00	64.80	PK	74.00	9.20	1.00 H	126	62.68	31.02	7.60	36.5	2.12
1	4874.00	50.77	AV	54.00	3.23	1.00 H	126	48.65	31.02	7.60	36.5	2.12
2	7311.00	61.49	PK	74.00	12.51	1.00 H	265	50.41	37.28	8.60	34.8	11.08
2	7311.00	40.75	AV	54.00	13.25	1.00 H	265	29.67	37.28	8.60	34.8	11.08

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20--2437MHz)												
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	4874.00	64.73	PK	74.00	9.27	1.00 H	110	62.61	31.02	7.60	36.5	2.12
1	4874.00	50.40	AV	54.00	3.60	1.00 H	110	48.28	31.02	7.60	36.5	2.12
2	7311.00	60.47	PK	74.00	13.53	1.00 H	84	49.39	37.28	8.60	34.8	11.08
2	7311.00	40.34	AV	54.00	13.66	1.00 H	84	29.26	37.28	8.60	34.8	11.08

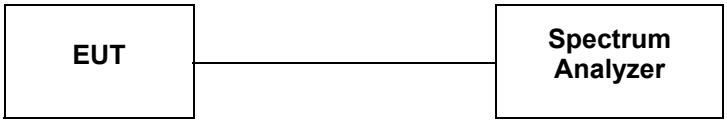
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20--2462MHz)												
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier	Correction Factor (dB/m)
1	4924.00	61.98	PK	74.00	12.02	1.00 H	309	59.60	31.58	7.00	36.2	2.38
1	4924.00	48.84	AV	54.00	5.16	1.00 H	309	46.46	31.58	7.00	36.2	2.38
2	7311.00	61.47	PK	74.00	12.53	1.00 H	254	49.76	38.51	8.50	35.3	11.71
2	7311.00	40.18	AV	54.00	13.82	1.00 H	254	28.47	38.51	8.50	35.3	11.71

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20--2462MHz)												
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	4924.00	58.71	PK	74	15.29	1.00 H	146	56.33	31.58	7.00	36.2	2.38
1	4924.00	48.75	AV	54	5.25	1.00 H	146	46.37	31.58	7.00	36.2	2.38
2	7386.00	63.07	PK	74	10.93	1.00 H	14	51.36	38.51	8.50	35.3	11.71
2	7386.00	41.08	AV	54	12.92	1.00 H	14	29.37	38.51	8.50	35.3	11.71

REMARKS: 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+CableFactor (dB)-Pre-amplifier Factor
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.
5. For Wireless 802.11n (20MHz) mode at 6.5Mbps.

4.3. Maximum Peak Output Power

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
Accoding to KDB558074 D01 V03 Integrated band power method for this procedure may be used when the maximum available RBW of the measurement instrument is less than the DTS bandwidth.
1. Set the RBW = 1 MHz.
2. Set the VBW ≥ 3 RBW
3. Set the span ≥ 1.5 x DTS bandwidth.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector). If the instrument does not have a band power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

LIMIT

The Maximum Peak Output Power Measurement is 30dBm.

TEST RESULTS

Remark:We measured output power at difference data rate for each mode and recorded woest case for each mode.

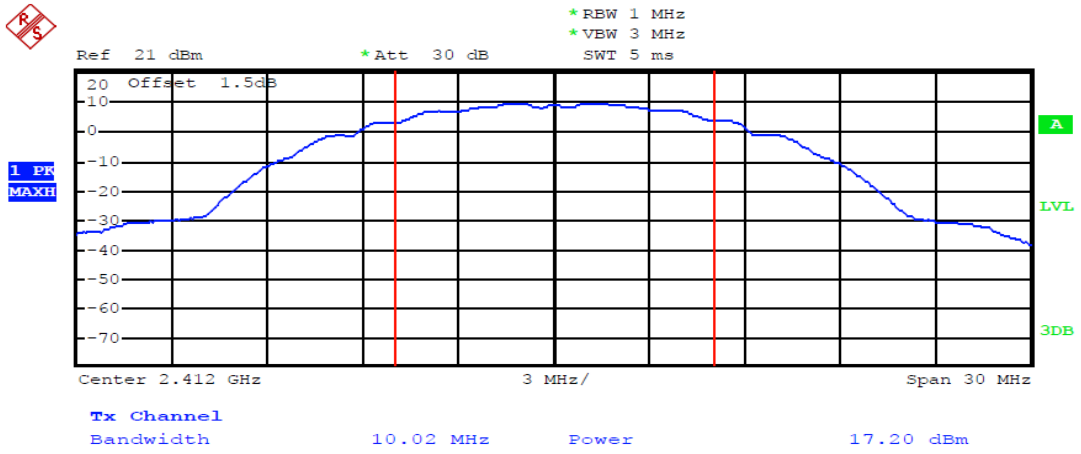
4.3.1 802.11b Test Mode

A. Test Verdict

Channel	Frequency (MHz)	Measured Output Peak Power (dBm)	Refer to Plot	Limits (dBm)	Verdict
1	2412	17.20	Plot 4.3.1 A	30	PASS
6	2437	17.55	Plot 4.3.1 B	30	PASS
11	2462	17.91	Plot 4.3.1 C	30	PASS

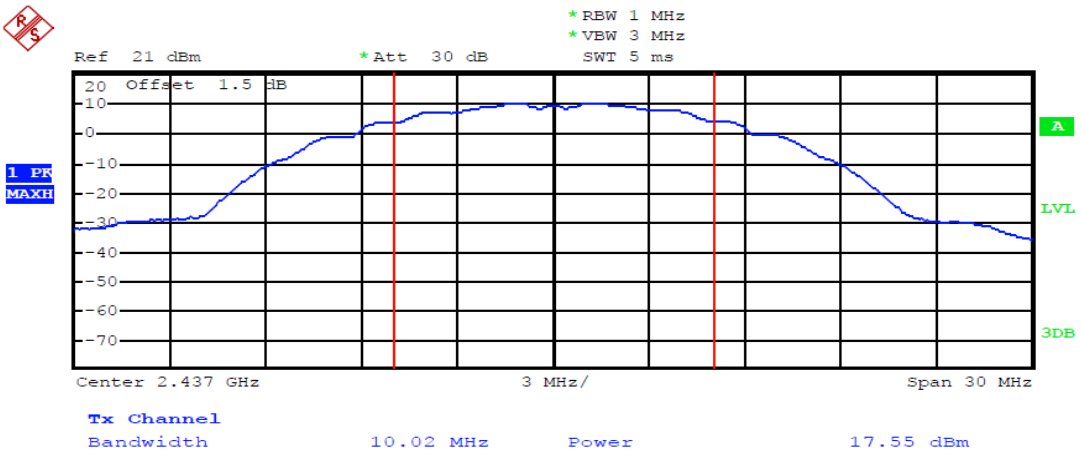
Note: 1. For 802.11b mode at finial test to get the worst-case emission at 1Mbps.
2.The test results including the cable lose.

B. Test Plots



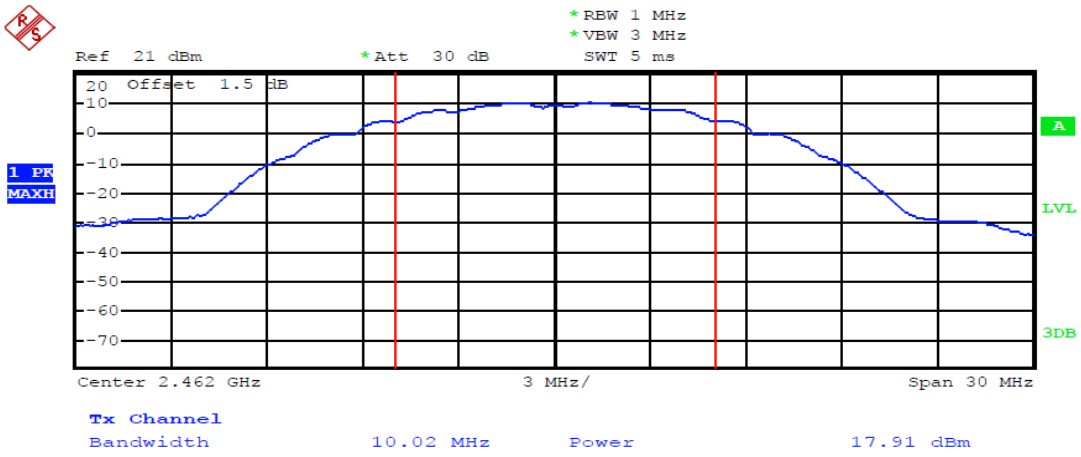
Date: 15.MAR.2014 15:02:33

(Plot 4.3.1 A: Channel 1: 2412MHz @ 802.11b)



Date: 15.MAR.2014 15:04:32

(Plot 4.3.1 B: Channel 1: 2437MHz @ 802.11b)



(Plot 4.3.1 C: Channel 11: 2462MHz @ 802.11b)

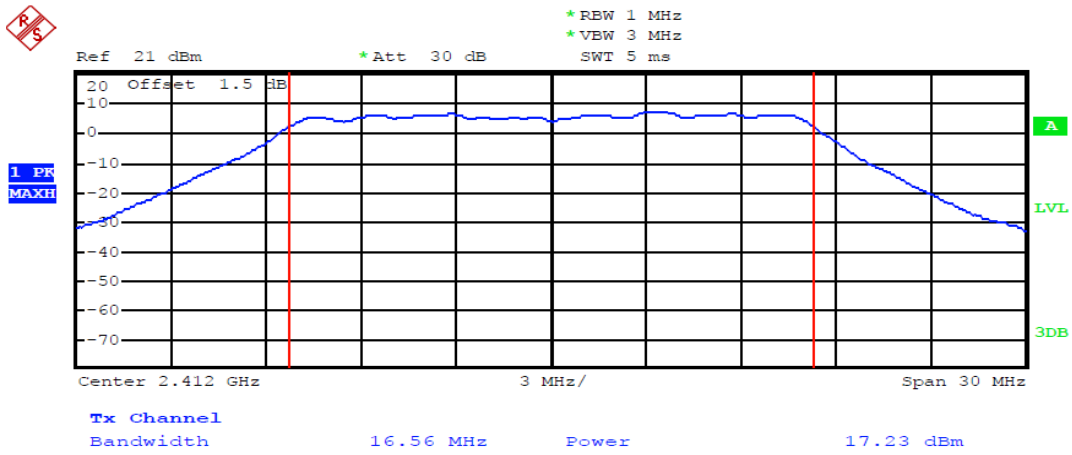
4.3.2 802.11g Test Mode

A. Test Verdict

Channel	Frequency (MHz)	Measured Output Peak Power (dBm)	Refer to Plot	Limits (dBm)	Verdict
1	2412	17.23	Plot 4.3.2 A	30	PASS
6	2437	17.62	Plot 4.3.2 B	30	PASS
11	2462	18.08	Plot 4.3.2 C	30	PASS

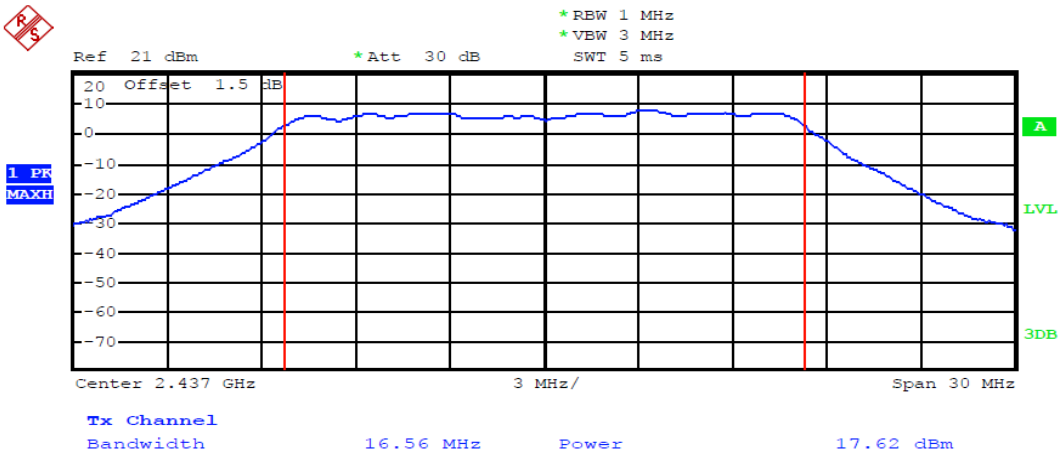
Note: 1. For 802.11g mode at finial test to get the worst-case emission at 6Mbps.
2.The test results including the cable lose.

B. Test Plots



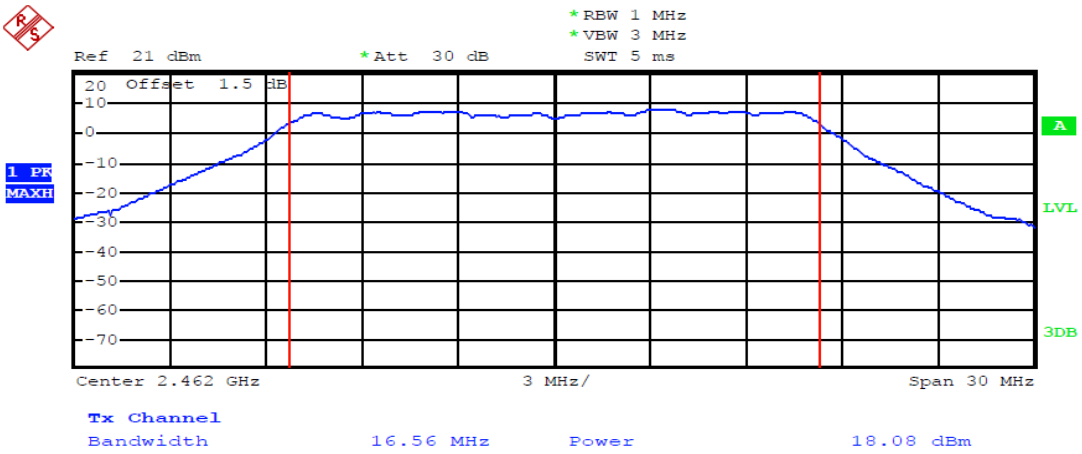
Date: 15.MAR.2014 15:08:46

(Plot 4.3.2 A: Channel 1: 2412MHz @ 802.11g)



Date: 15.MAR.2014 15:07:49

(Plot 4.3.2 B: Channel 1: 2437MHz @ 802.11g)



(Plot 4.3.2 C: Channel 11: 2462MHz @ 802.11g)

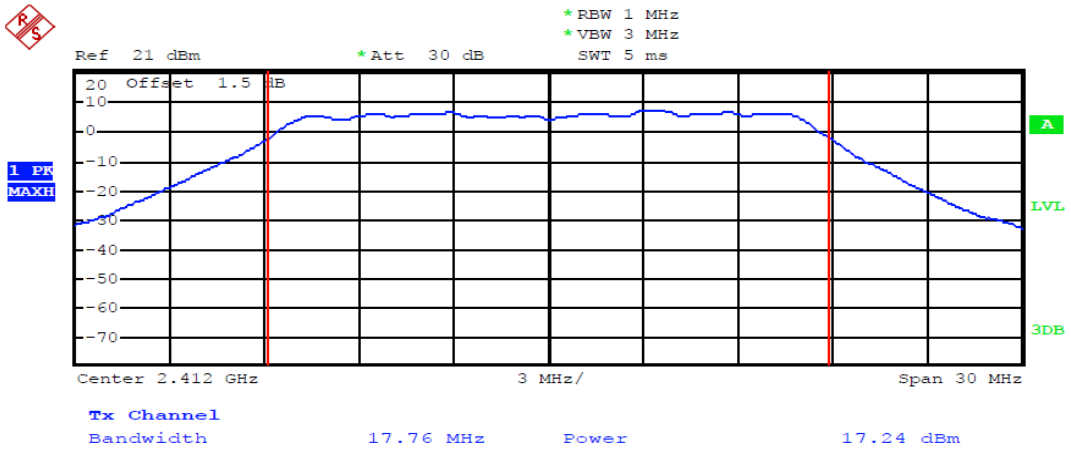
4.3.3 802.11n(20MHz) Test Mode

A. Test Verdict

Channel	Frequency (MHz)	Measured Output Peak Power (dBm)	Refer to Plot	Limits (dBm)	Verdict
1	2412	17.24	Plot 4.3.3 A	30	PASS
6	2437	17.69	Plot 4.3.3 B	30	PASS
11	2462	18.03	Plot 4.3.3 C	30	PASS

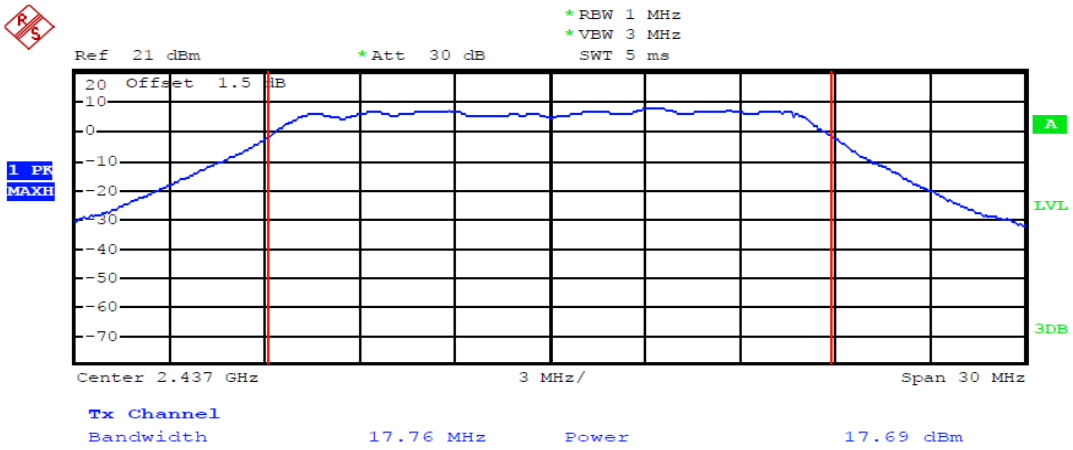
Note: 1. For 802.11n(20MHz) mode at finial test to get the worst-case emission at 6.5Mbps.
2.The test results including the cable lose.

B. Test Plots



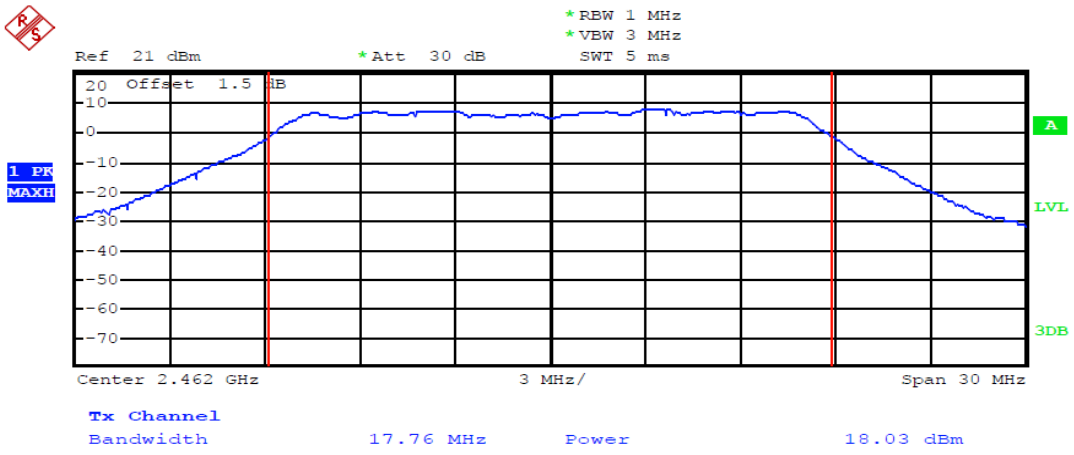
Date: 15.MAR.2014 15:13:41

(Plot 4.3.3 A: Channel 1: 2412MHz @ 802.11n(20MHz))



Date: 15.MAR.2014 15:11:35

(Plot 4.3.3 B: Channel 6: 2437MHz @ 802.11n(20MHz))

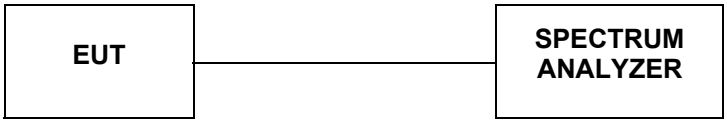


Date: 15.MAR.2014 15:12:06

(Plot 4.3.3 C: Channel 11: 2462MHz @ 802.11n(20MHz))

4.4. Power Spectral Density

TEST CONFIGURATION



TEST PROCEDURE

According to KDB 558074 D01 V03 Method PKPSD (peak PSD) This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
4. Set the VBW ≥ 3 RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

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

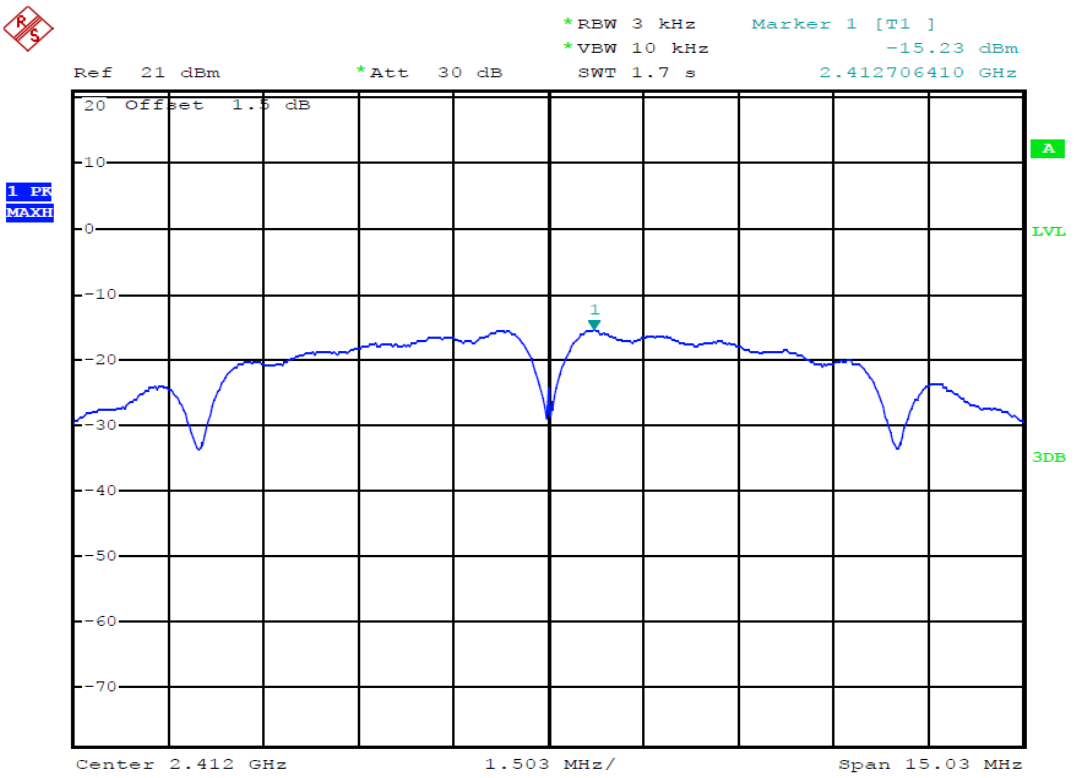
4.4.1 802.11b Test Mode

A. Test Verdict

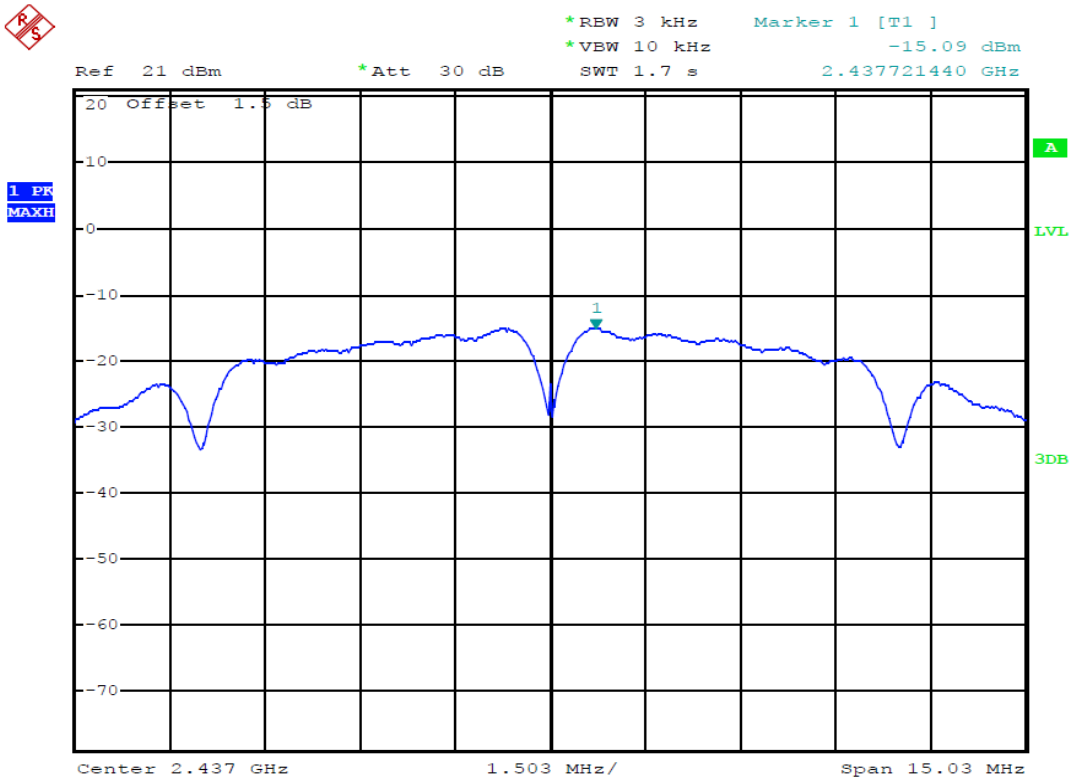
Channel	Frequency (MHz)	Report PSD (dBm/3kHz)	Refer to Plot	Limits (dBm/3KHz)	Verdict
1	2412	-15.23	Plot 4.4.1 A	8	PASS
6	2437	-15.09	Plot 4.4.1 B	8	PASS
11	2462	-14.73	Plot 4.4.1 C	8	PASS

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

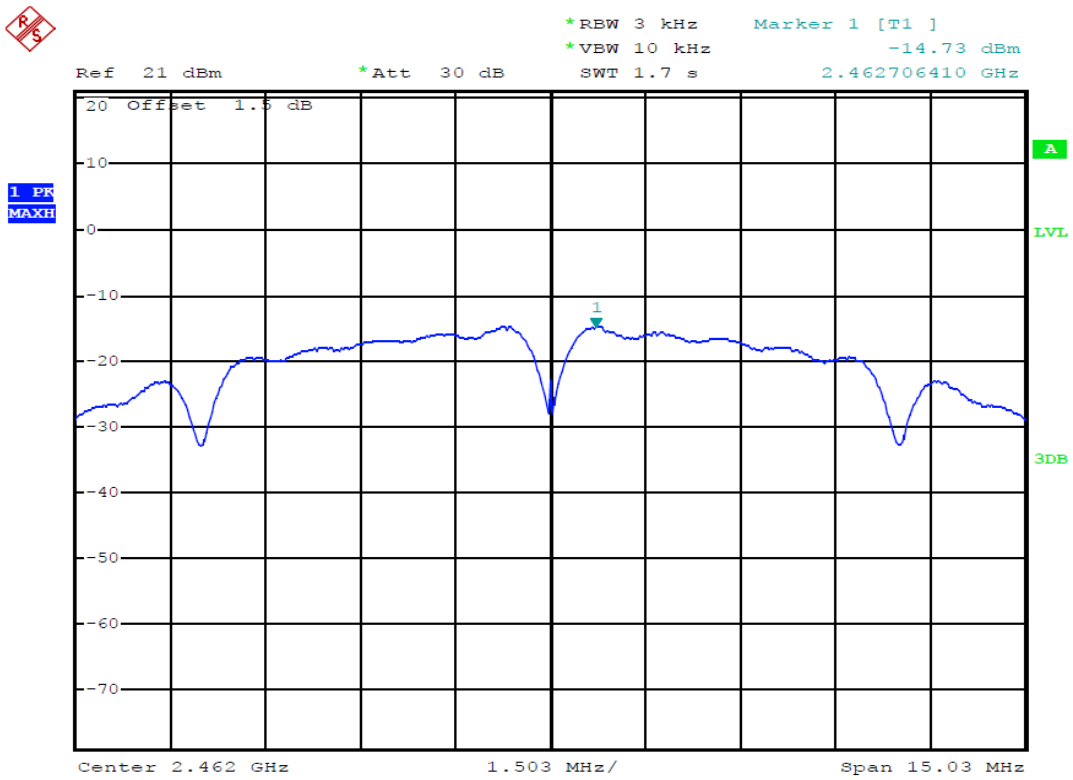
B. Test Plots



(Plot 4.4.1 A: Channel 1: 2412MHz @ 802.11b)



(Plot 4.4.1 B: Channel 6: 2437MHz @ 802.11b)



(Plot 4.4.1 C: Channel 11: 2462MHz @ 802.11b)

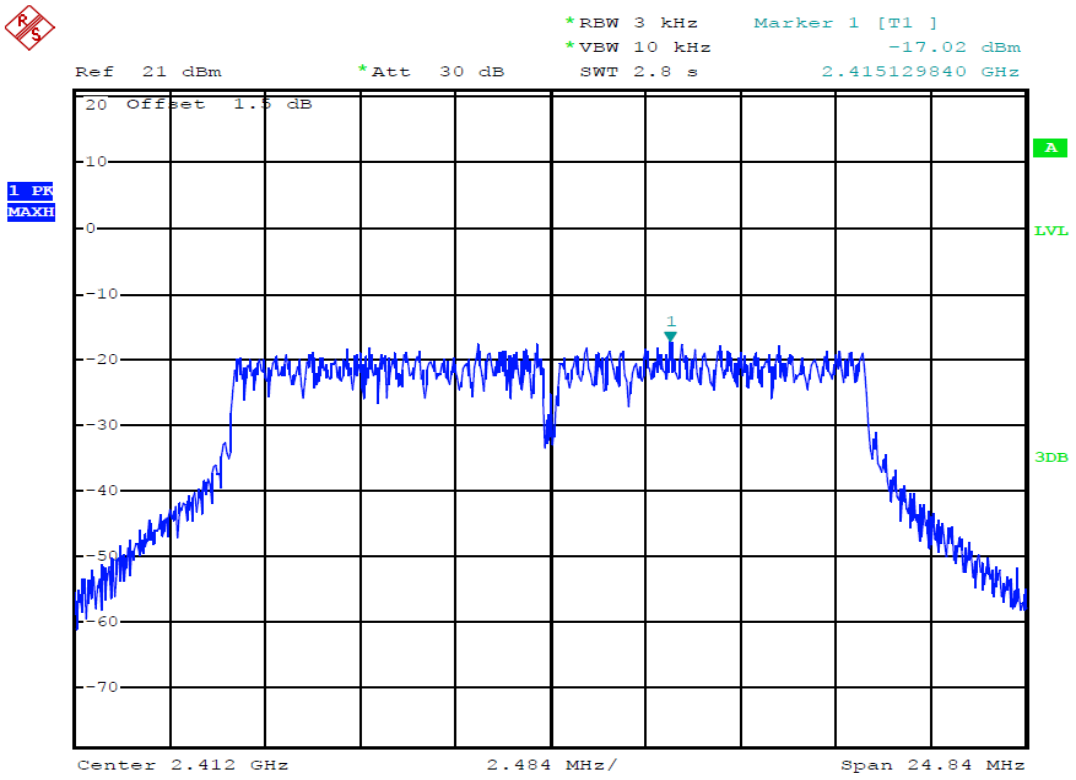
4.4.2 802.11g Test Mode

A. Test Verdict

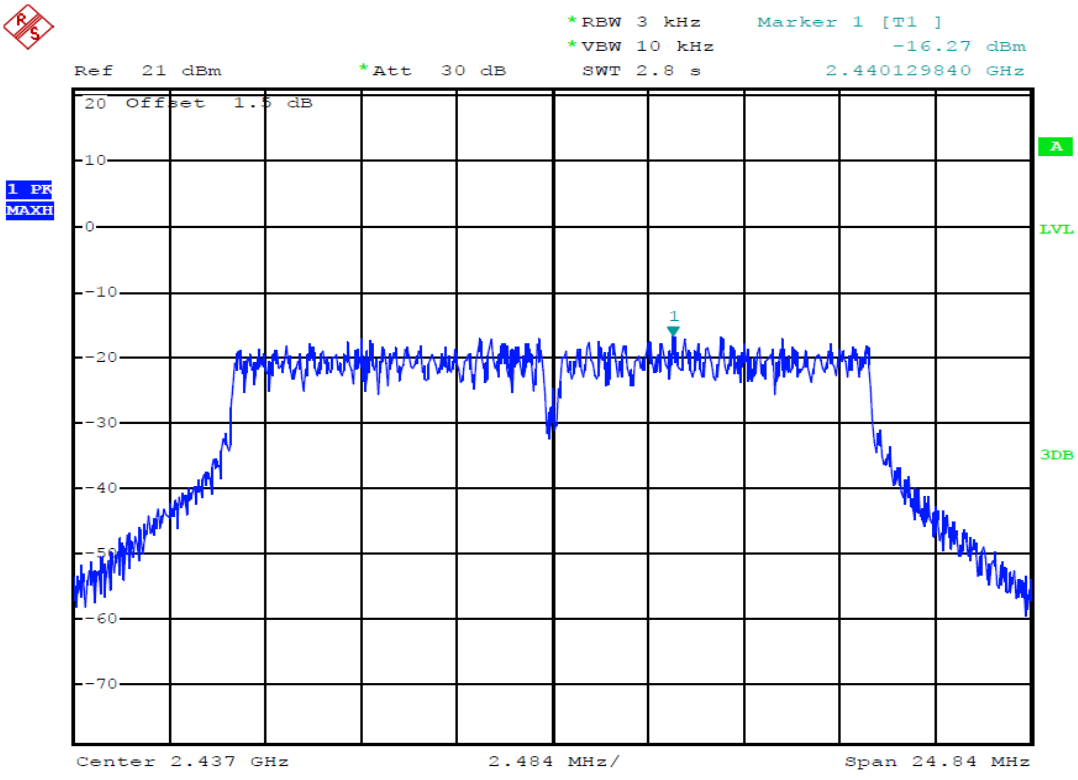
Channel	Frequency (MHz)	Report PSD (dBm/3kHz)	Refer to Plot	Limits (dBm/3KHz)	Verdict
1	2412	-17.02	Plot 4.4.2 A	8	PASS
6	2437	-16.27	Plot 4.4.2 B	8	PASS
11	2462	-16.42	Plot 4.4.2 C	8	PASS

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

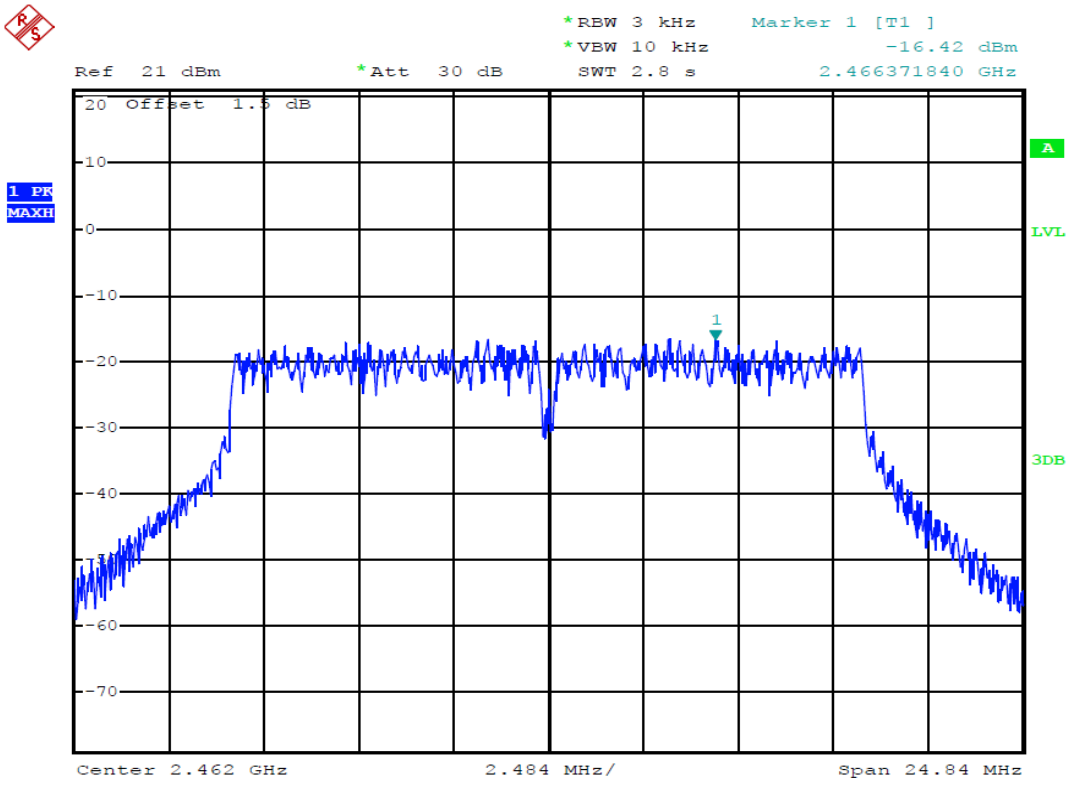
B. Test Plots



(Plot 4.4.2 A: Channel 1: 2412MHz @ 802.11g)



(Plot 4.4.2 B: Channel 6: 2437MHz @ 802.11g)



(Plot 4.4.2 C: Channel 11: 2462MHz @ 802.11g)

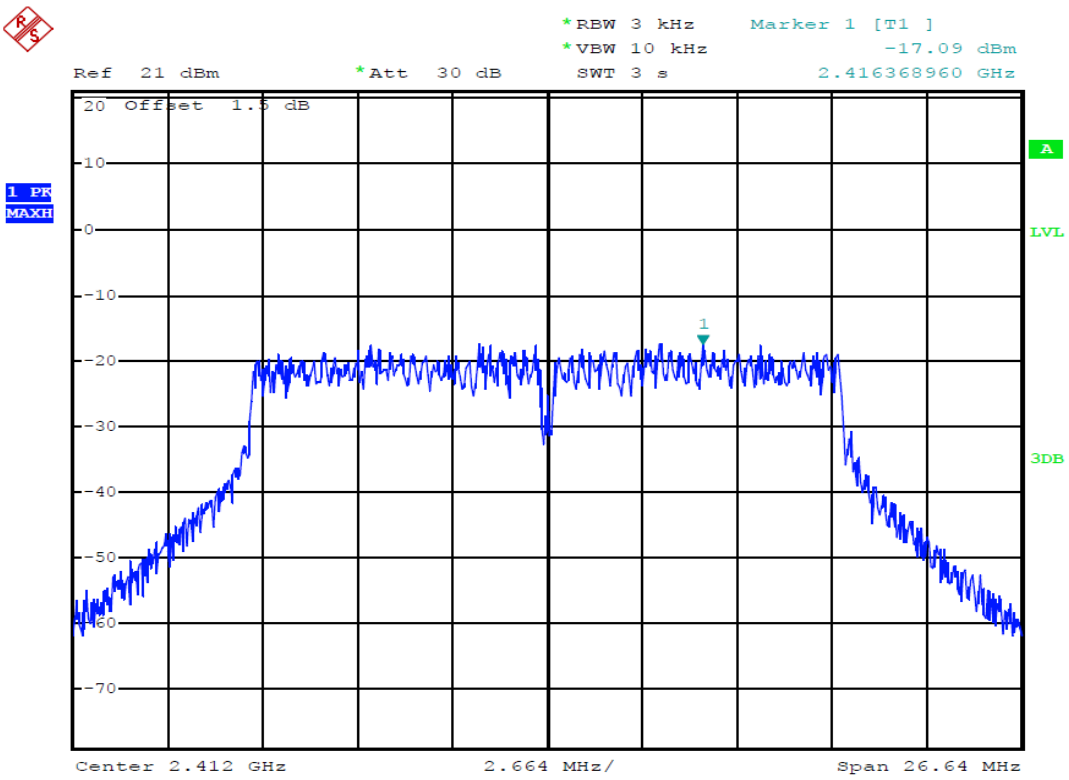
4.4.3 802.11n(20MHz) Test Mode

A. Test Verdict

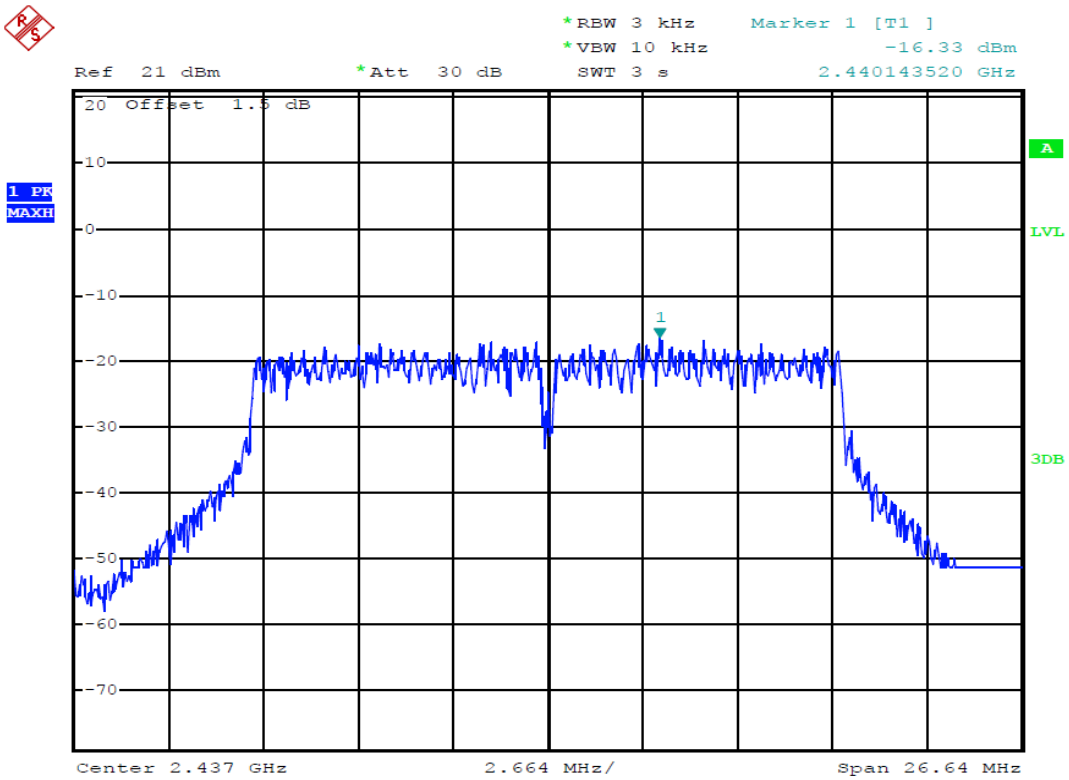
Channel	Frequency (MHz)	Report PSD (dBm/3kHz)	Refer to Plot	Limits (dBm/3KHz)	Verdict
1	2412	-17.09	Plot 4.4.3 A	8	PASS
6	2437	-16.33	Plot 4.4.3 B	8	PASS
11	2462	-16.07	Plot 4.4.3 C	8	PASS

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

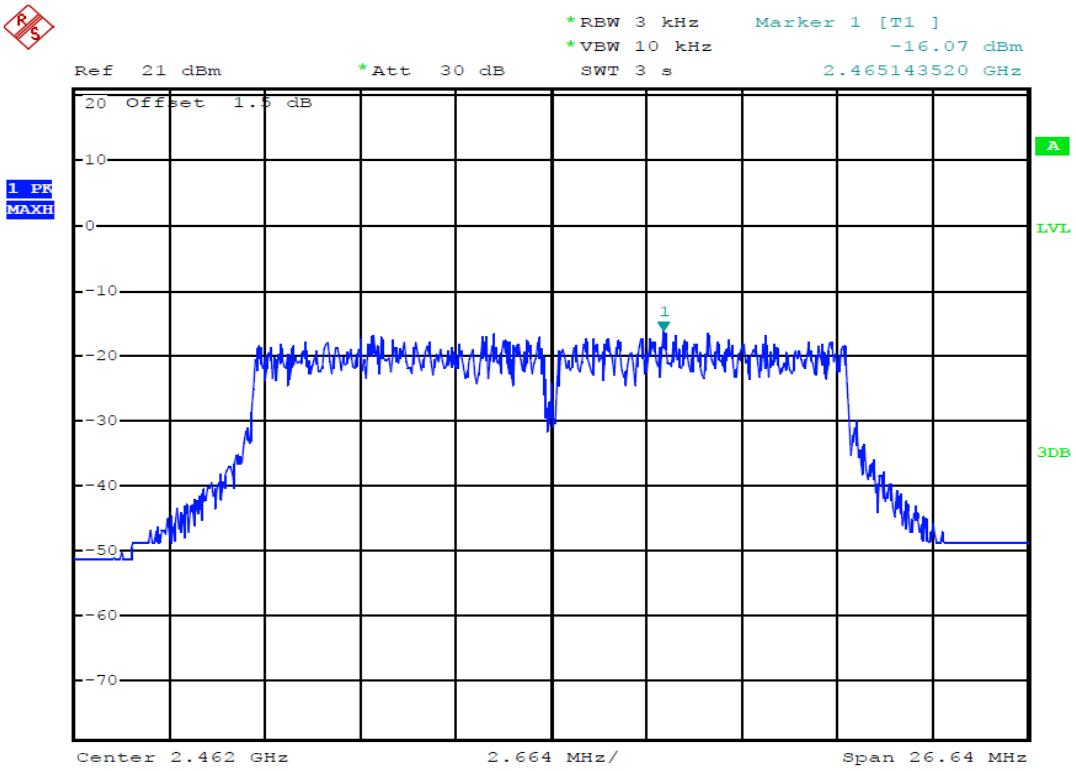
B. Test Plots



(Plot 4.4.3 A: Channel 1: 2412MHz @ 802.11n(20MHz))



(Plot 4.4.3 B: Channel 6: 2437MHz @ 802.11n(20MHz))



(Plot 4.4.3 C: Channel 11: 2462MHz @ 802.11n(20MHz))

4.5. Band Edge Compliance of RF Emission

TEST REQUIREMENT

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

According to KDB 558074 D01 V03 for Antenna-port conducted measurement. Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

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. Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 12.2.2, 12.2.3, and 12.2.4 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
7. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
8. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
9. For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
10. Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
    E = EIRP – 20log D + 104.8

where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.

11. Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.
12. Compare the resultant electric field strength level to the applicable regulatory limit.
13. Perform radiated spurious emission test dures 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

Remark:The Bandedge was measured at difference data rate for each mode and recorded worst case for each mode.

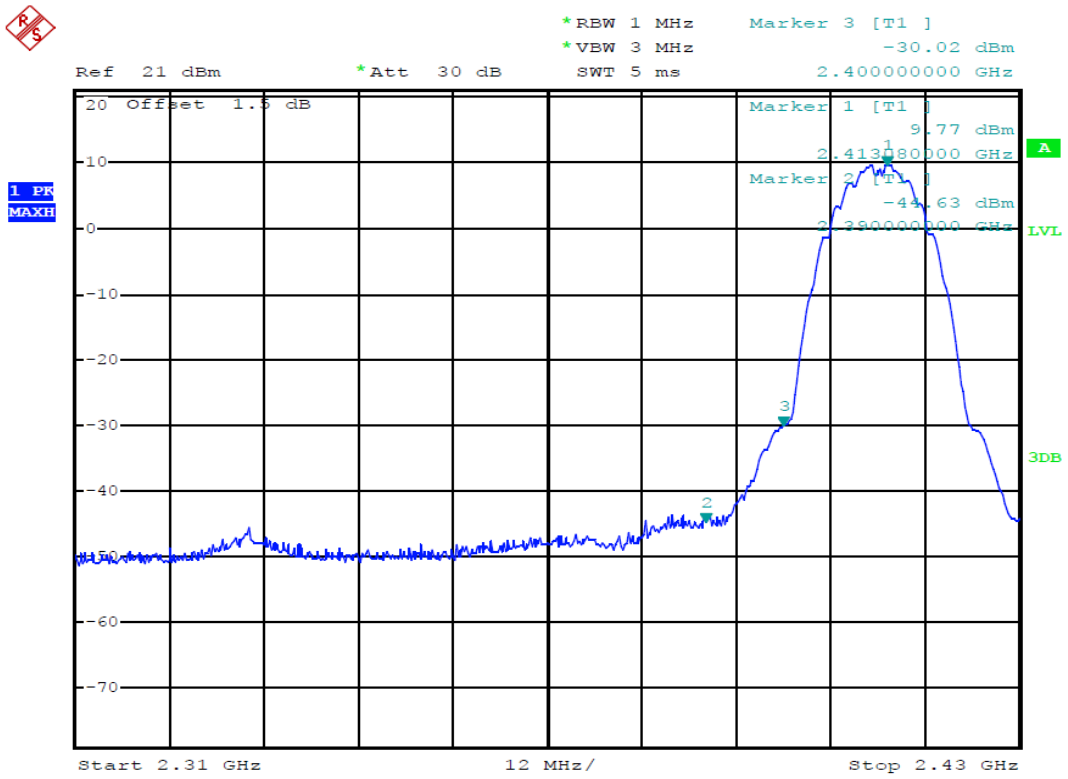
4.5.1 802.11b Test Mode

A. Test Verdict

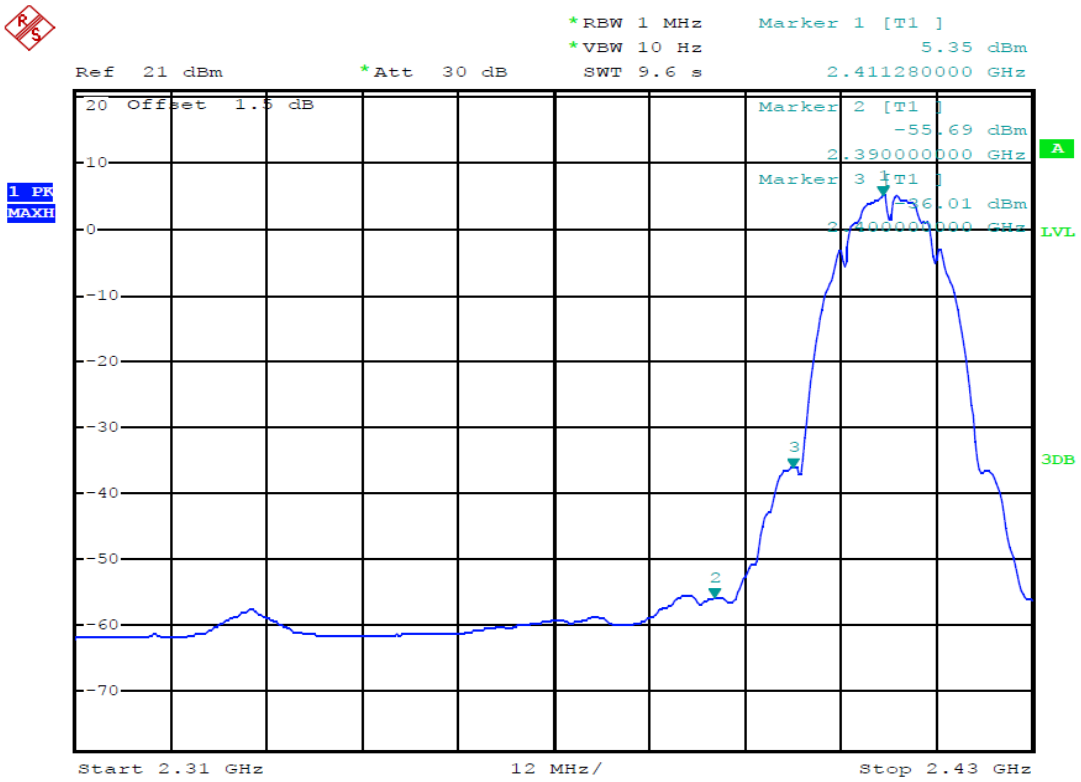
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
2390.00	-44.63	2.00	0.00	52.63	Peak	74.00	Plot 4.5.1 A1
2390.00	-55.69	2.00	0.00	41.57	AV	54.00	Plot 4.5.1 A2
2413.08	9.77	2.00	0.00	107.03	Peak	---	Plot 4.5.1 A1
2411.28	5.35	2.00	0.00	102.61	AV	---	Plot 4.5.1 A2
2463.05	10.92	2.00	0.00	108.18	Peak	---	Plot 4.5.1 A3
2461.25	5.98	2.00	0.00	103.24	AV	---	Plot 4.5.1 A4
2483.50	-42.49	2.00	0.00	54.77	Peak	74.00	Plot 4.5.1 A3
2483.50	-54.47	2.00	0.00	42.79	AV	54.00	Plot 4.5.1 A4

Note: 1. For 802.11b mode at finial test to get the worst-case emission at 1Mbps.
2.The test results including the cable lose.
3. "---" means that the fundamental frequency not for 15.209 limits requirement.

B. Test Plots

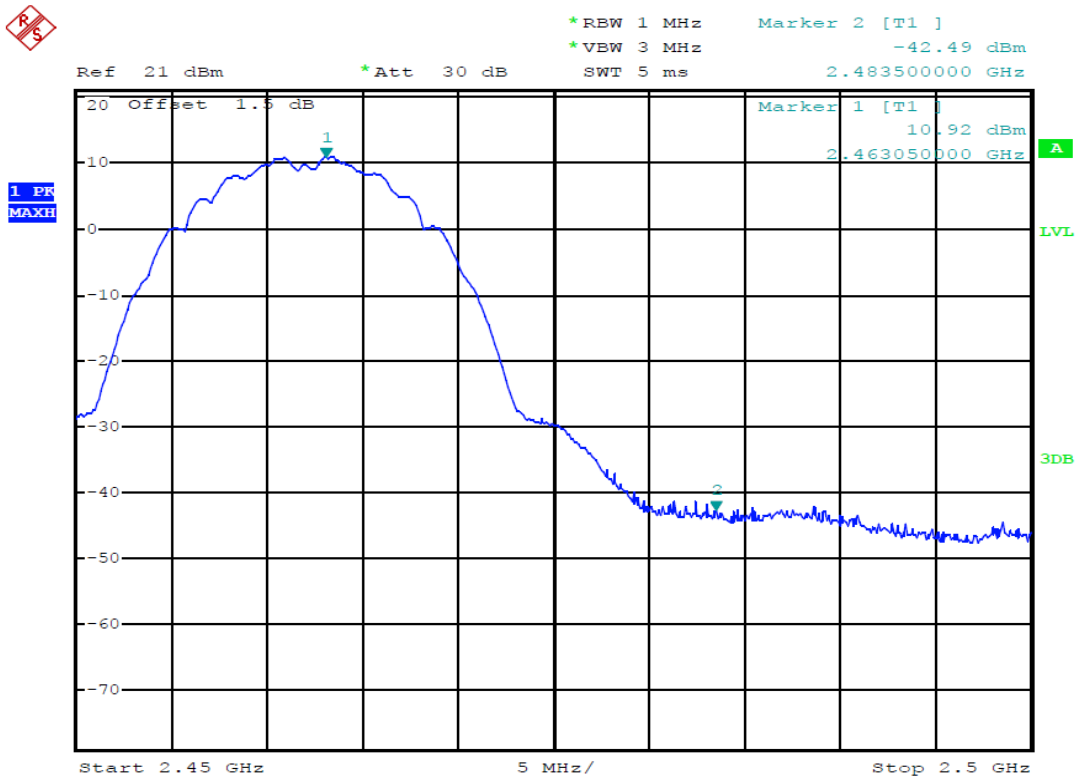


(Plot 4.5.1 A1: Channel 1: 2412MHz @ 802.11b)



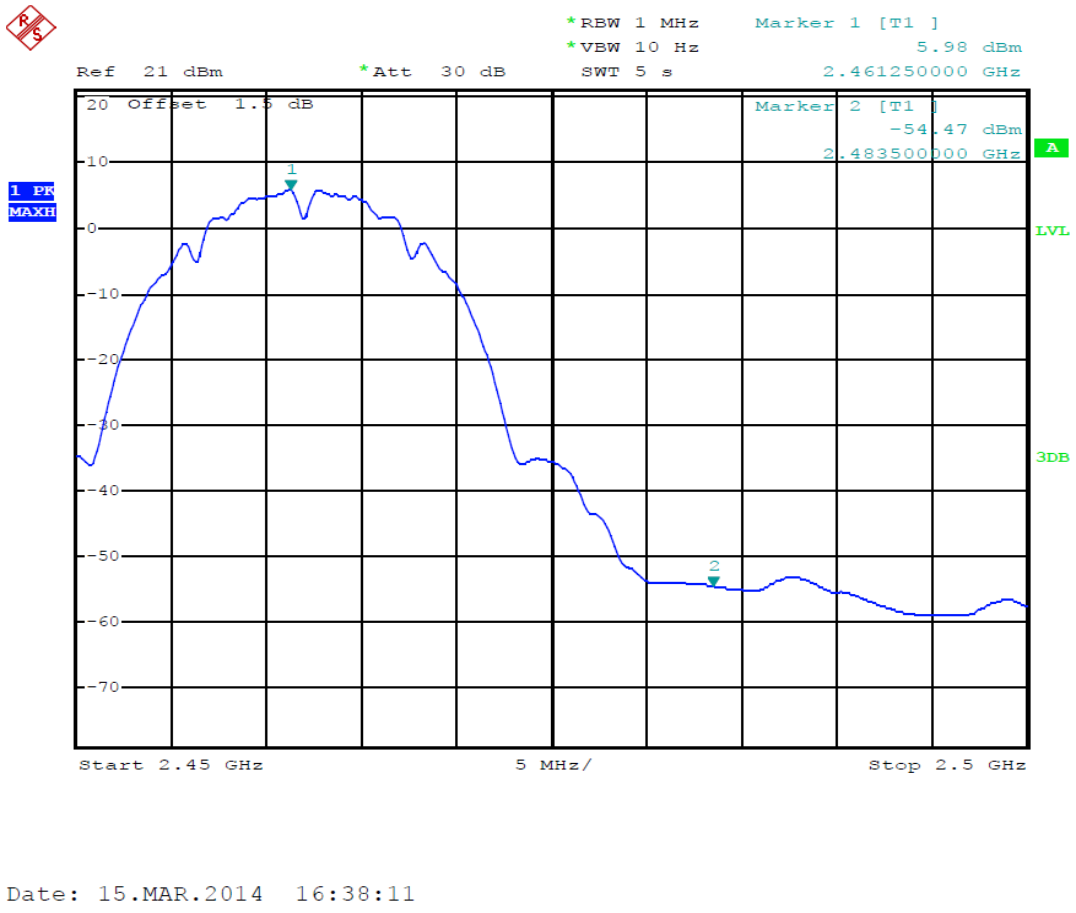
Date: 15.MAR.2014 16:31:36

(Plot 4.5.1 A2: Channel 1: 2412MHz @ 802.11b)



Date: 15.MAR.2014 16:37:44

(Plot 4.5.1 A3: Channel 11: 2462MHz @ 802.11b)



(Plot 4.5.1 A4: Channel 11: 2462MHz @ 802.11b)

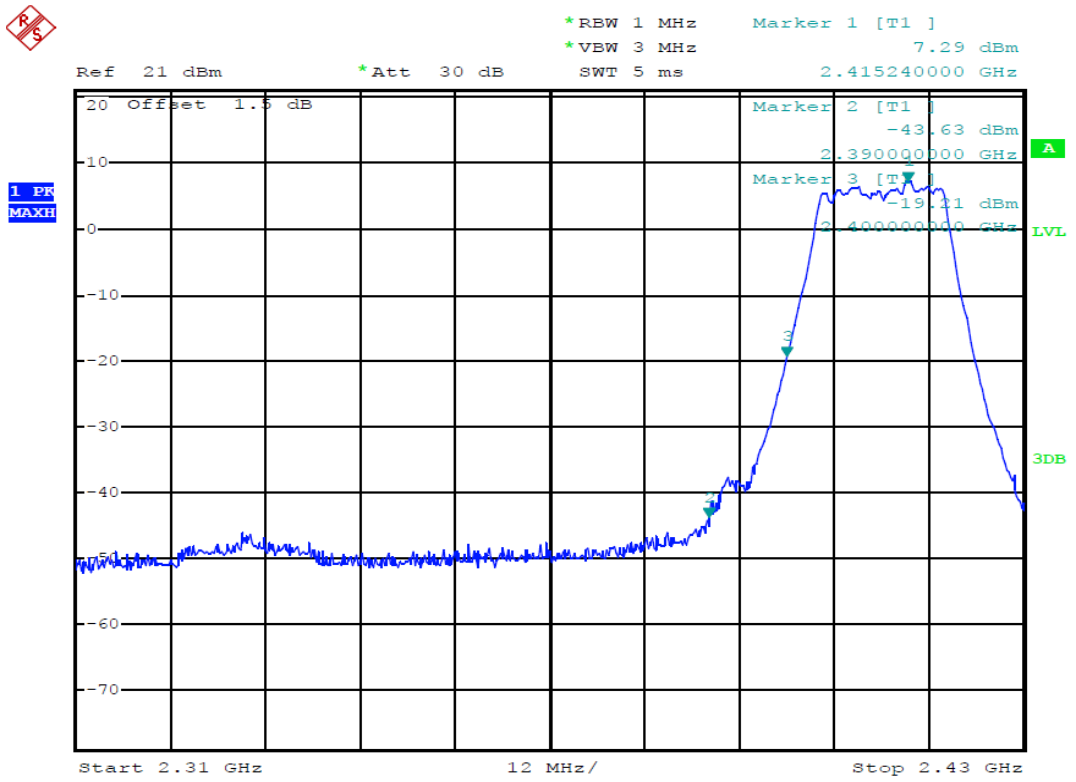
4.5.2 802.11g Test Mode

A. Test Verdict

Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
2390.00	-43.63	2.00	0.00	53.63	Peak	74.00	Plot 4.5.2 A1
2390.00	-57.75	2.00	0.00	39.51	AV	54.00	Plot 4.5.2 A2
2415.24	7.29	2.00	0.00	104.55	Peak	---	Plot 4.5.2 A1
2415.48	-4.22	2.00	0.00	93.04	AV	---	Plot 4.5.2 A2
2465.20	8.14	2.00	0.00	105.40	Peak	---	Plot 4.5.2 A3
2465.40	-3.49	2.00	0.00	93.77	AV	---	Plot 4.5.2 A4
2483.50	-44.32	2.00	0.00	52.94	Peak	74.00	Plot 4.5.2 A3
2483.50	-56.26	2.00	0.00	41.00	AV	54.00	Plot 4.5.2 A4

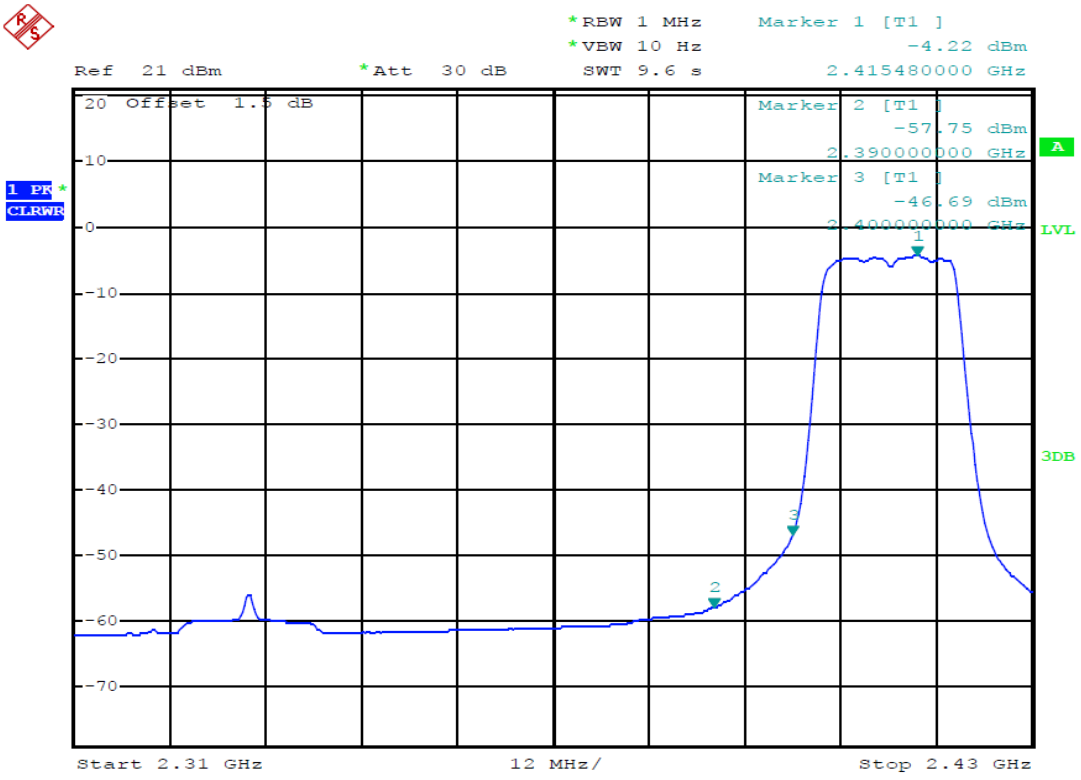
Note: 1. For 802.11g mode at finial test to get the worst-case emission at 6Mbps.
2.The test results including the cable lose.
3. "---" means that the fundamental frequency not for 15.209 limits requirement.

B. Test Plots



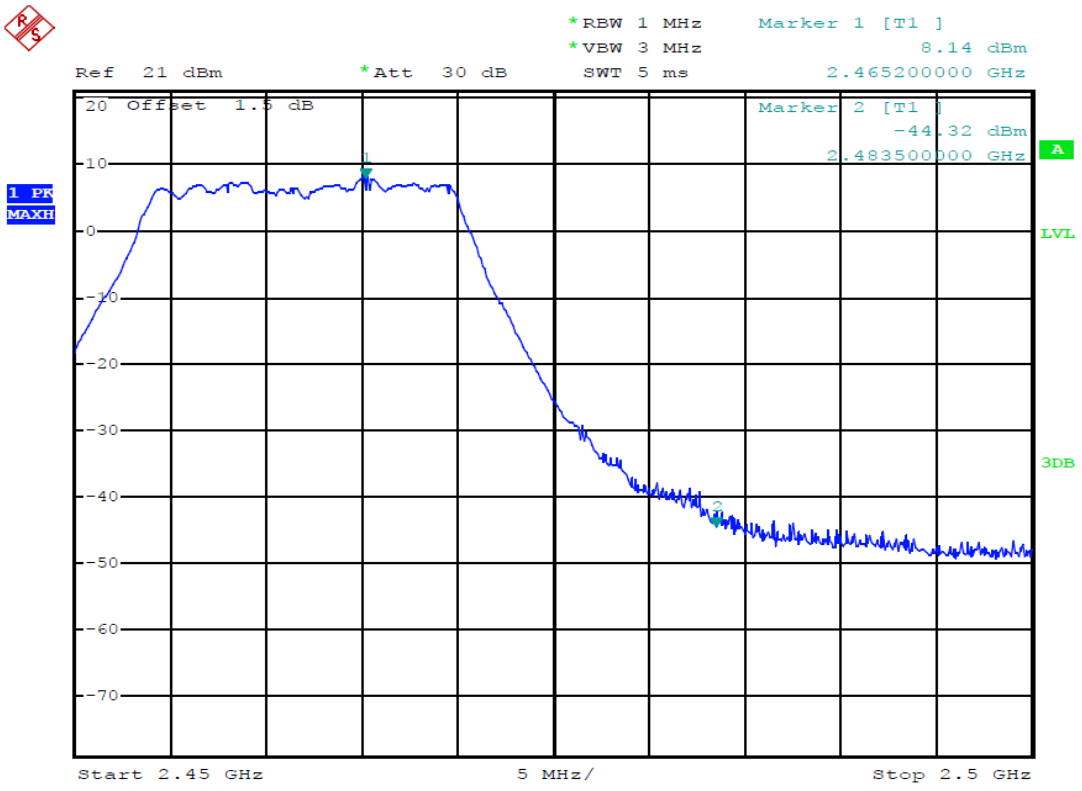
Date: 15.MAR.2014 16:33:02

(Plot 4.5.2 A1: Channel 1: 2412MHz @ 802.11g)

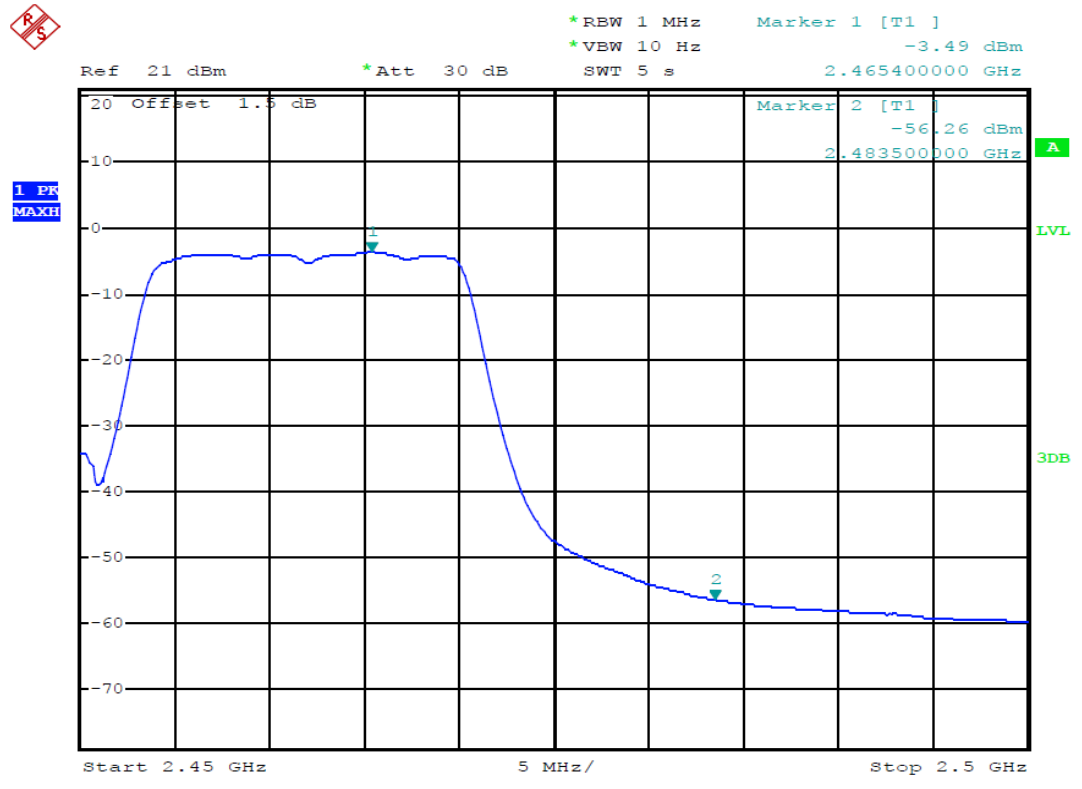


Date: 15.MAR.2014 16:32:24

(Plot 4.5.2 A2: Channel 1: 2412MHz @ 802.11g)



(Plot 4.5.2 A3: Channel 11: 2462MHz @ 802.11g)



(Plot 4.5.2 A4: Channel 11: 2462MHz @ 802.11g)

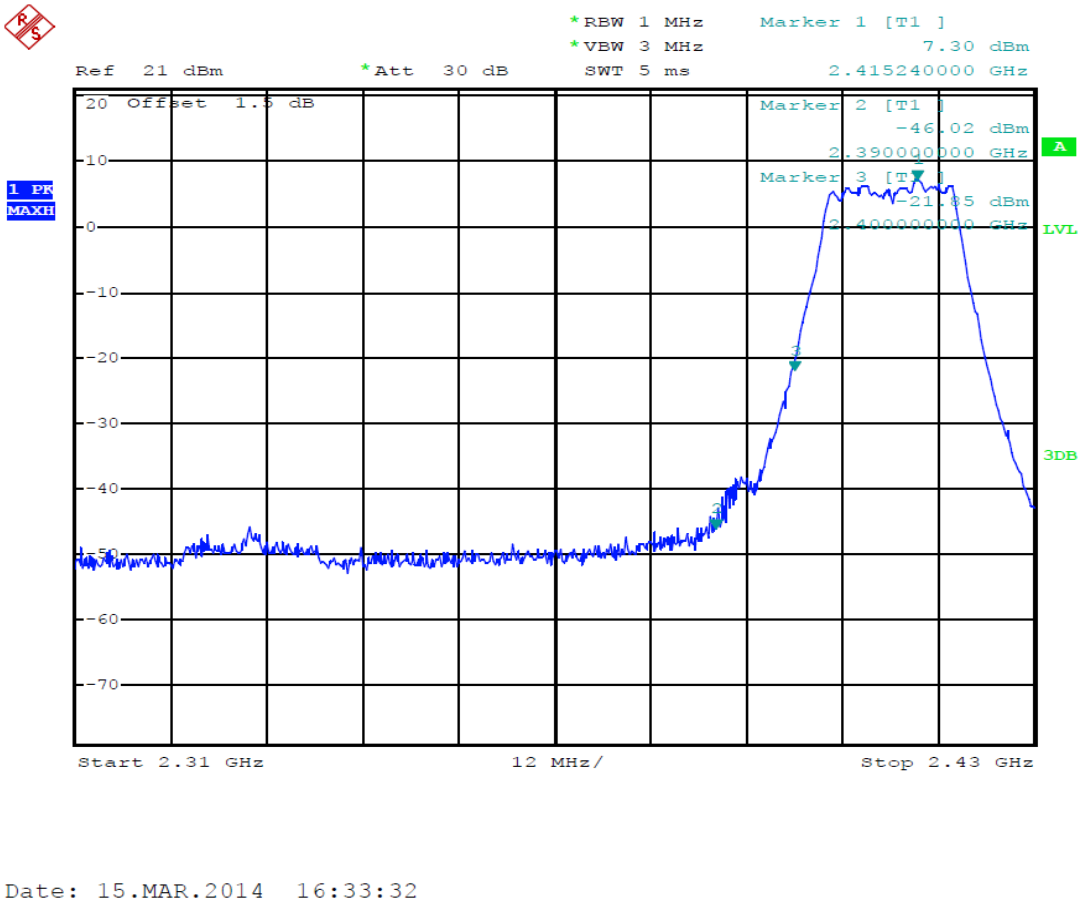
4.5.3 802.11n(20MHz) Test Mode

A. Test Verdict

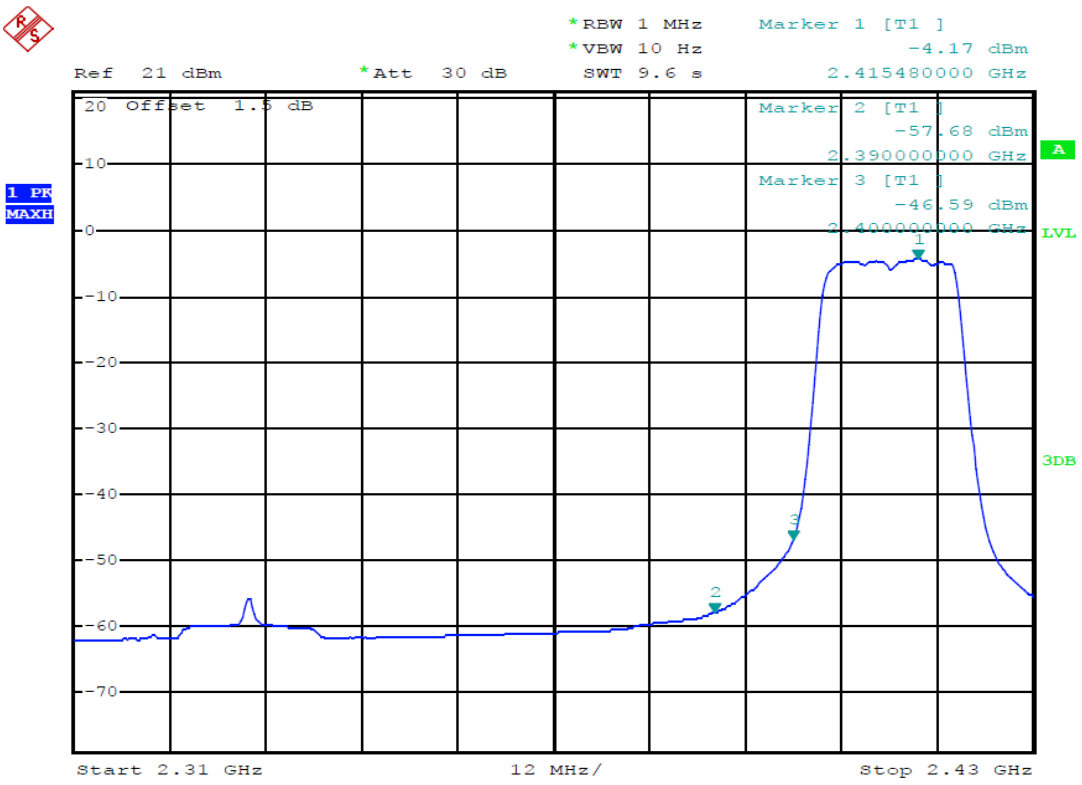
Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Ground Reflection Factor (dB)	Covert Radiated E Level At 3m (dBuV/m)	Detector	Limit (dBuV/m)	Refer to Plot
2390.00	-46.02	2.00	0.00	51.24	Peak	74.00	Plot 4.5.3 A1
2390.00	-57.68	2.00	0.00	39.58	AV	54.00	Plot 4.5.3 A2
2415.24	7.30	2.00	0.00	104.56	Peak	---	Plot 4.5.3 A1
2415.48	-4.17	2.00	0.00	93.09	AV	---	Plot 4.5.3 A2
2465.15	8.14	2.00	0.00	105.40	Peak	---	Plot 4.5.3 A3
2465.40	-3.39	2.00	0.00	93.87	AV	---	Plot 4.5.3 A4
2483.50	-42.24	2.00	0.00	55.02	Peak	74.00	Plot 4.5.3 A3
2483.50	-56.21	2.00	0.00	41.05	AV	54.00	Plot 4.5.3 A4

Note: 1. For 802.11n(20MHz) mode at finial test to get the worst-case emission at 6.5Mbps.
2.The test results including the cable lose.
3. "---" means that the fundamental frequency not for 15.209 limits requirement.

B. Test Plots

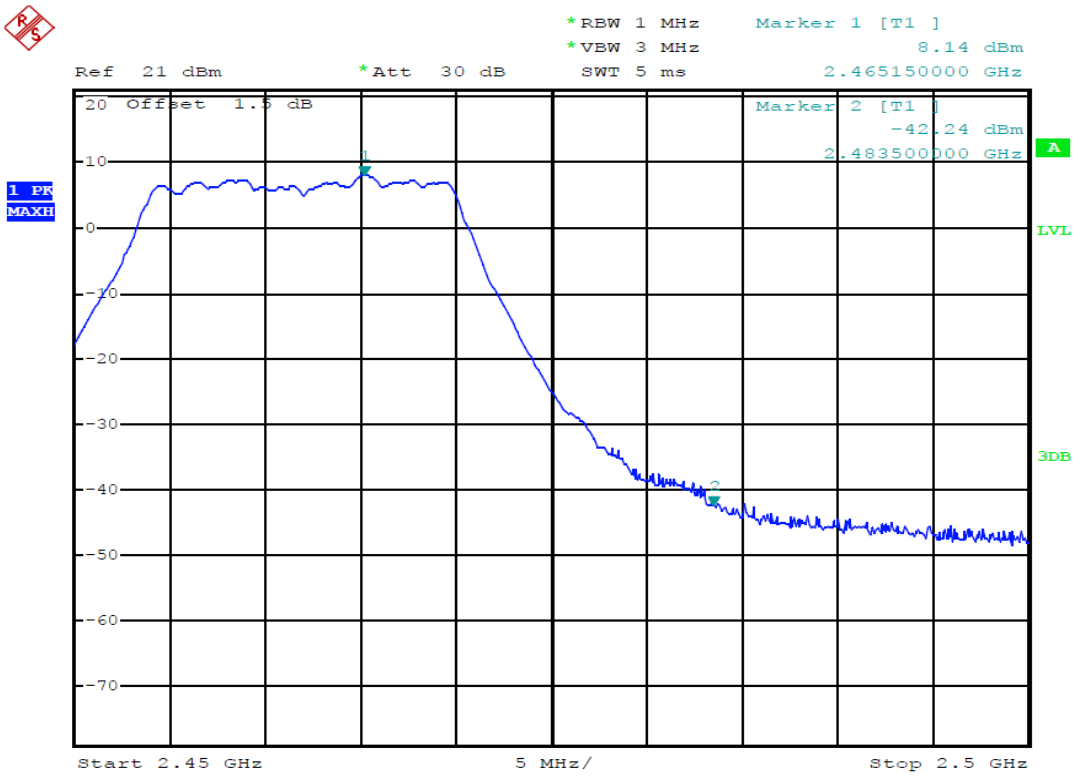


(Plot 4.5.3 A1: Channel 1: 2412MHz @ 802.11n(20MHz))



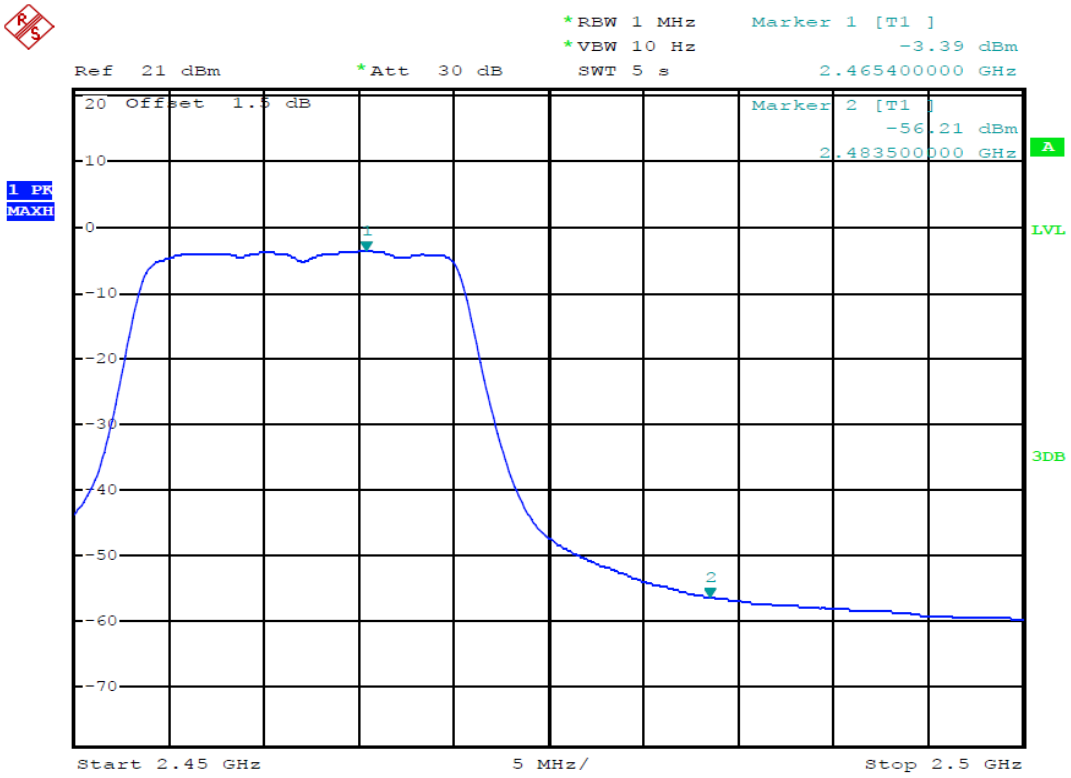
Date: 15.MAR.2014 16:34:08

(Plot 4.5.3 A2: Channel 1: 2412MHz @ 802.11n(20MHz))



Date: 15.MAR.2014 16:41:54

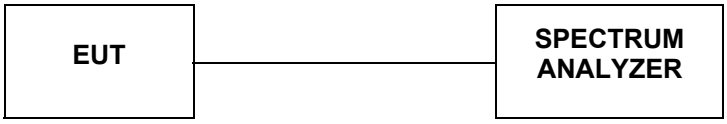
(Plot 4.5.3 A3: Channel 11: 2462MHz @ 802.11n(20MHz))



(Plot 4.5.3 A4: Channel 11: 2462MHz @ 802.11n(20MHz))

4.6. 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

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

4.6.1 802.11b Test Mode

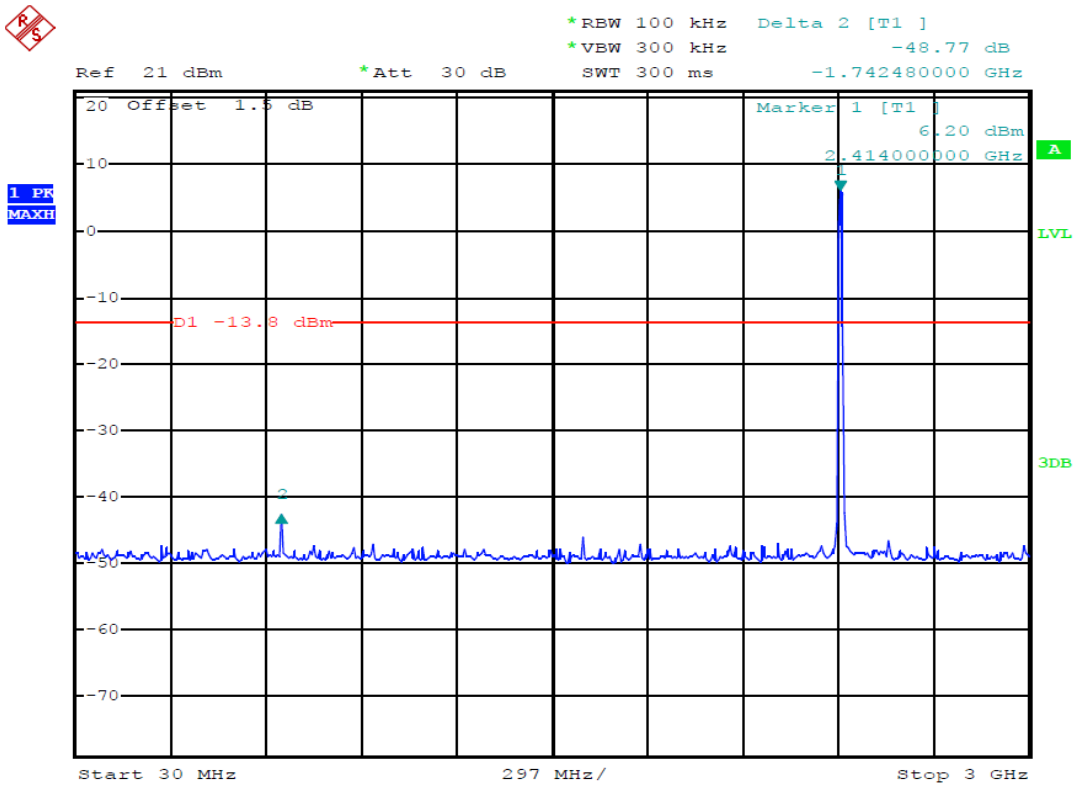
A. Test Verdict

Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 4.6.1 A1	-20	PASS
		Plot 4.6.1 A2	-20	PASS
		Plot 4.6.1 A3	-20	PASS
6	2437	Plot 4.6.1 B1	-20	PASS
		Plot 4.6.1 B2	-20	PASS
		Plot 4.6.1 B3	-20	PASS
11	2462	Plot 4.6.1 C1	-20	PASS
		Plot 4.6.1 C2	-20	PASS
		Plot 4.6.1 C3	-20	PASS

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
2400.00	-53.43	Peak	-20	Plot 4.6.1 D	PASS
2483.50	-55.82	Peak	-20	Plot 4.6.1 E	PASS

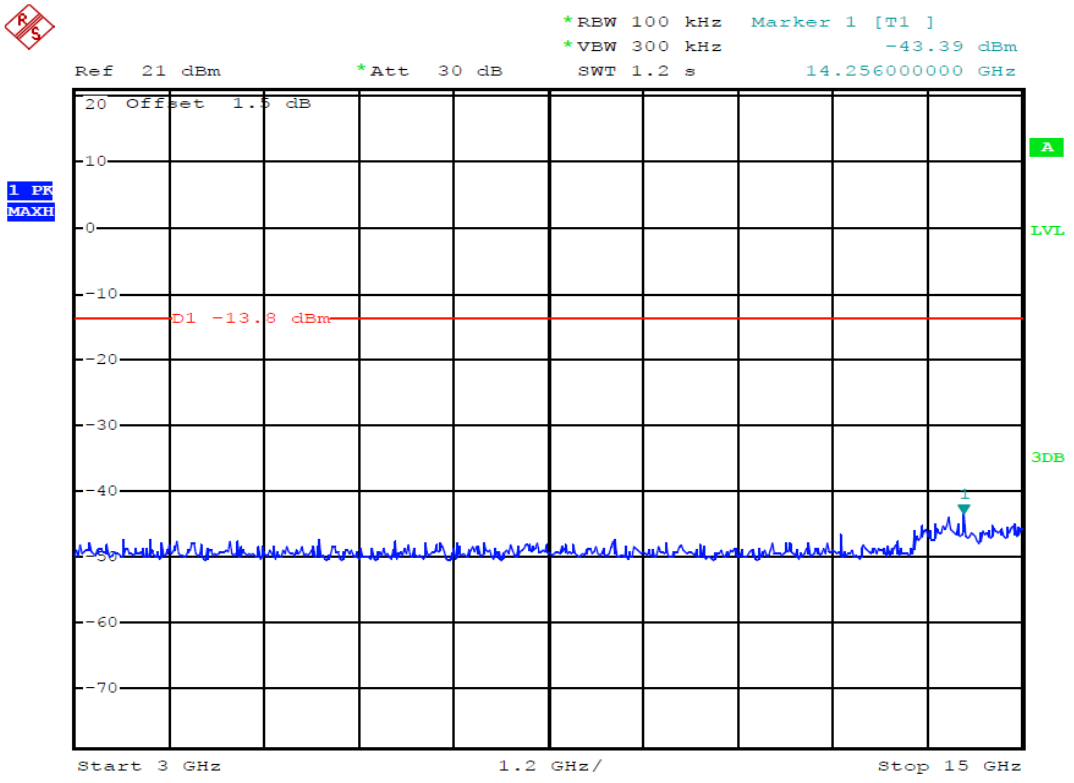
Note: 1. For 802.11b mode at finial test to get the worst-case emission at 1Mbps.
2.The test results including the cable lose.

B. Test Plots



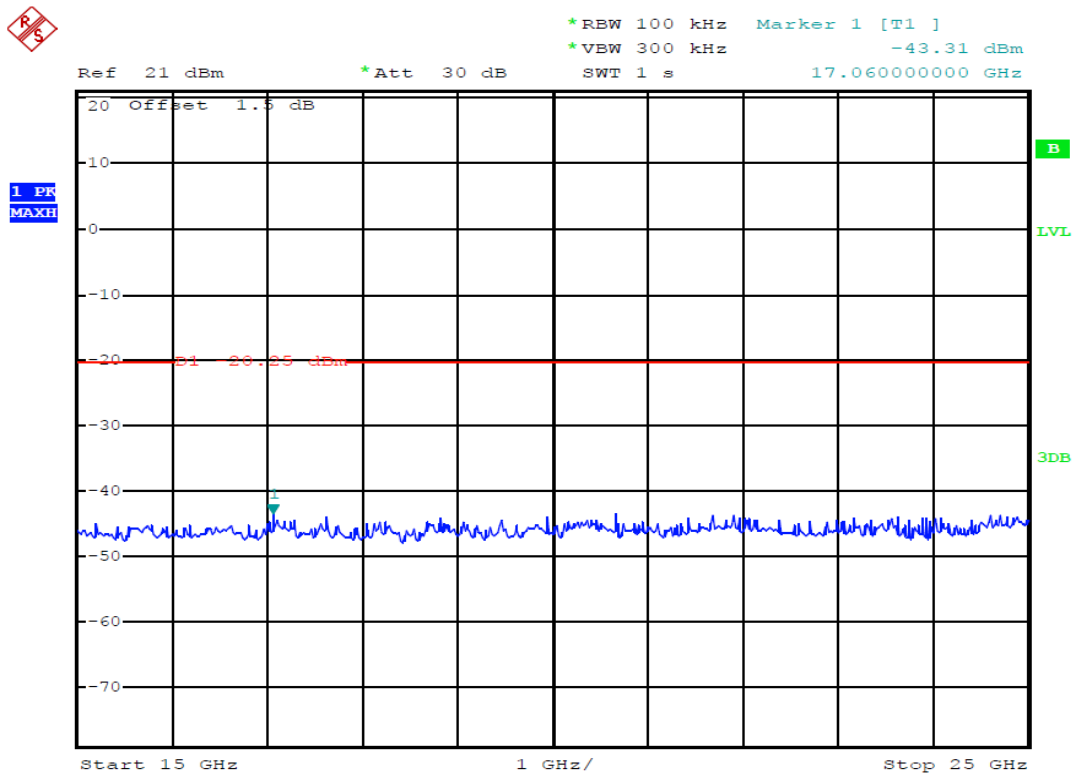
Date: 15.MAR.2014 11:38:14

(Plot 4.6.1 A1: Channel 1: 2412MHz @ 802.11b)



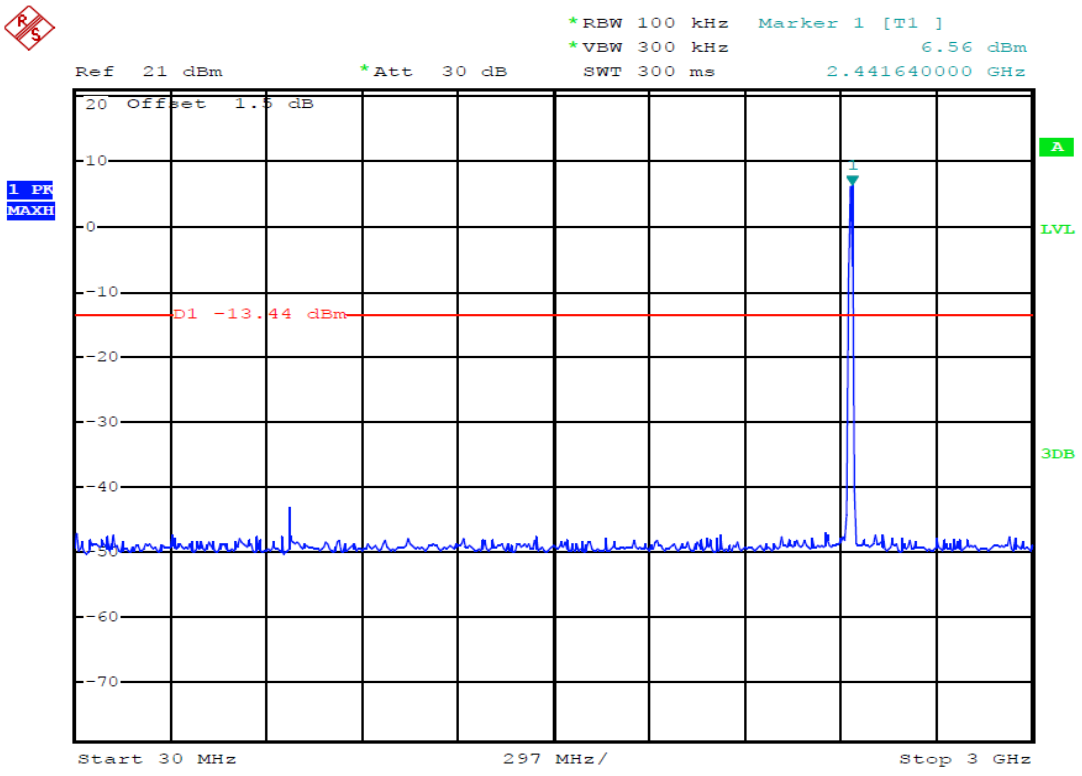
Date: 15.MAR.2013 11:38:43

(Plot 4.6.1 A2: Channel 1: 2412MHz @ 802.11b)



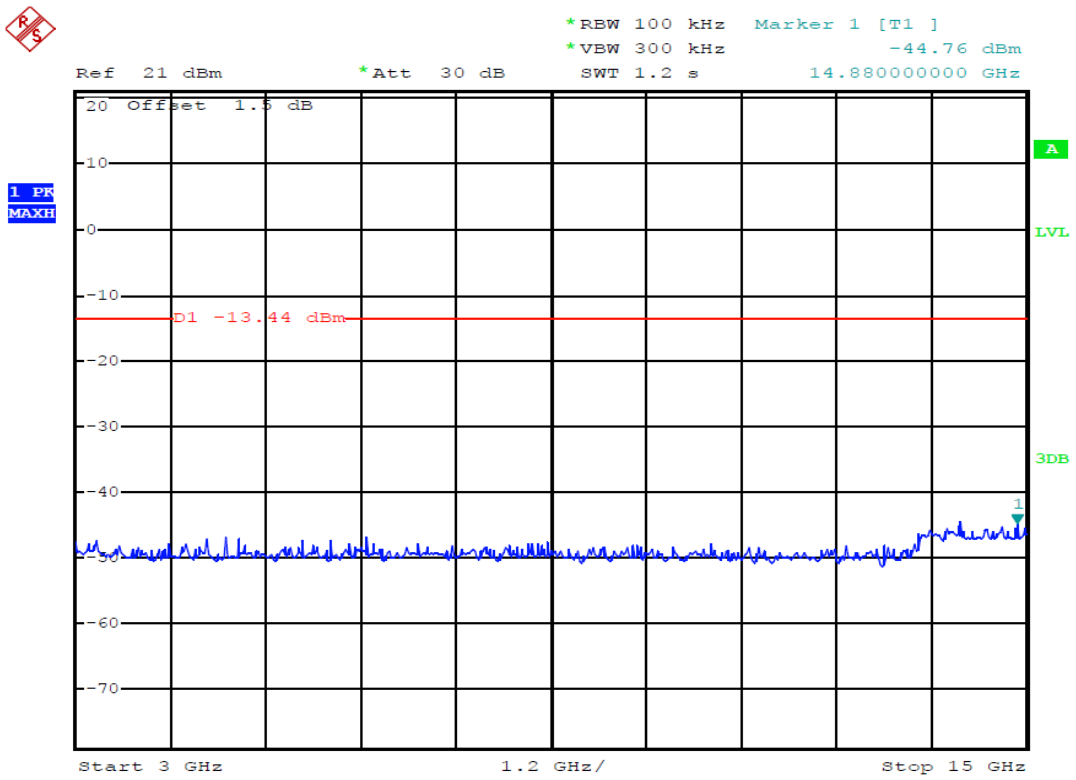
Date: 15.MAR.2014 11:39:18

(Plot 4.6.1 A3: Channel 1: 2412MHz @ 802.11b)



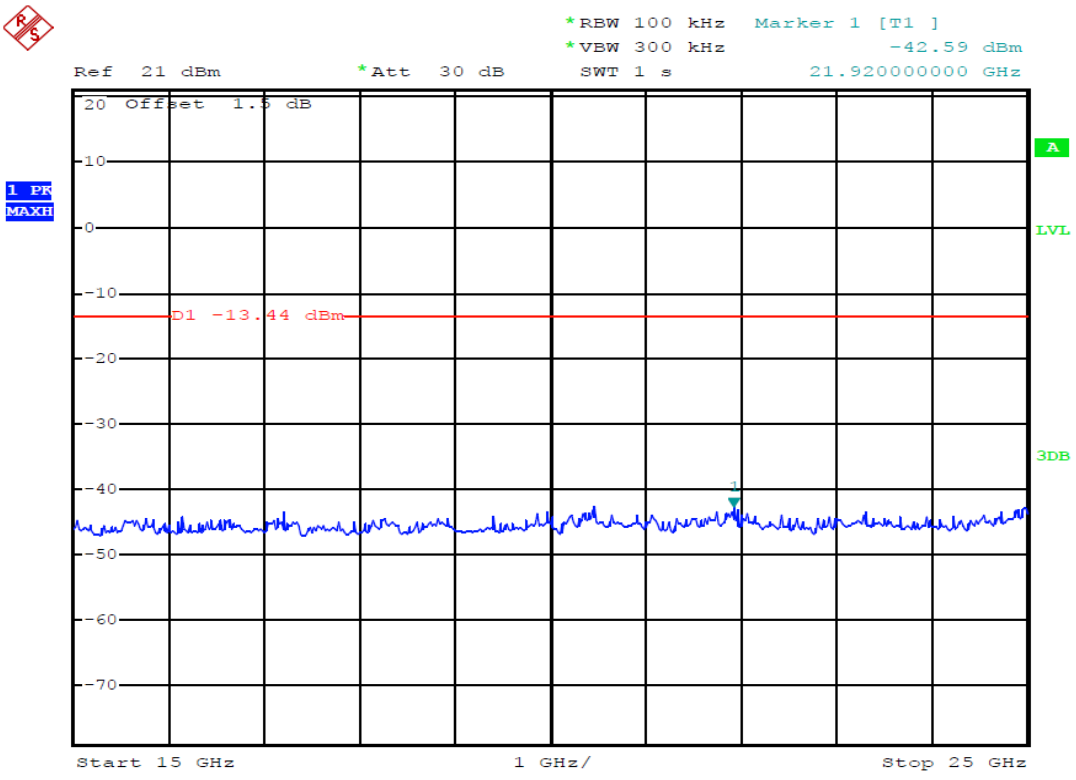
Date: 15.MAR.2014 11:40:01

(Plot 4.6.1 B1: Channel 6: 2437MHz @ 802.11b)



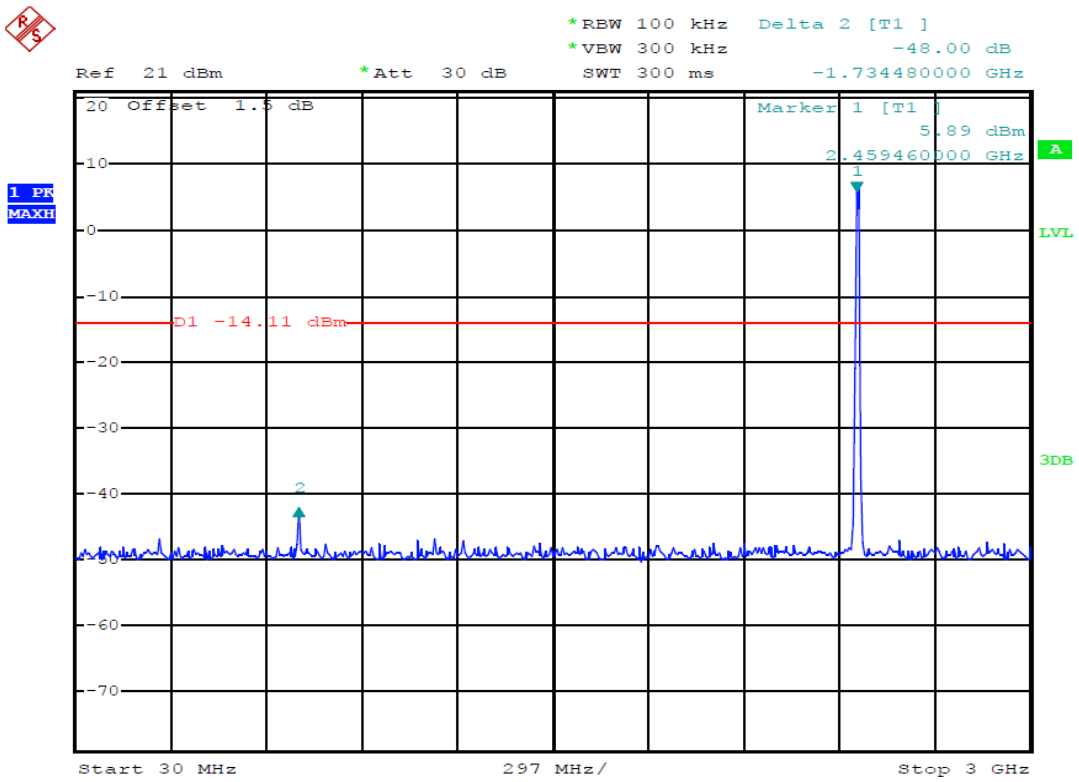
Date: 15.MAR.2014 11:40:18

(Plot 4.6.1 B2: Channel 6: 2437MHz @ 802.11b)



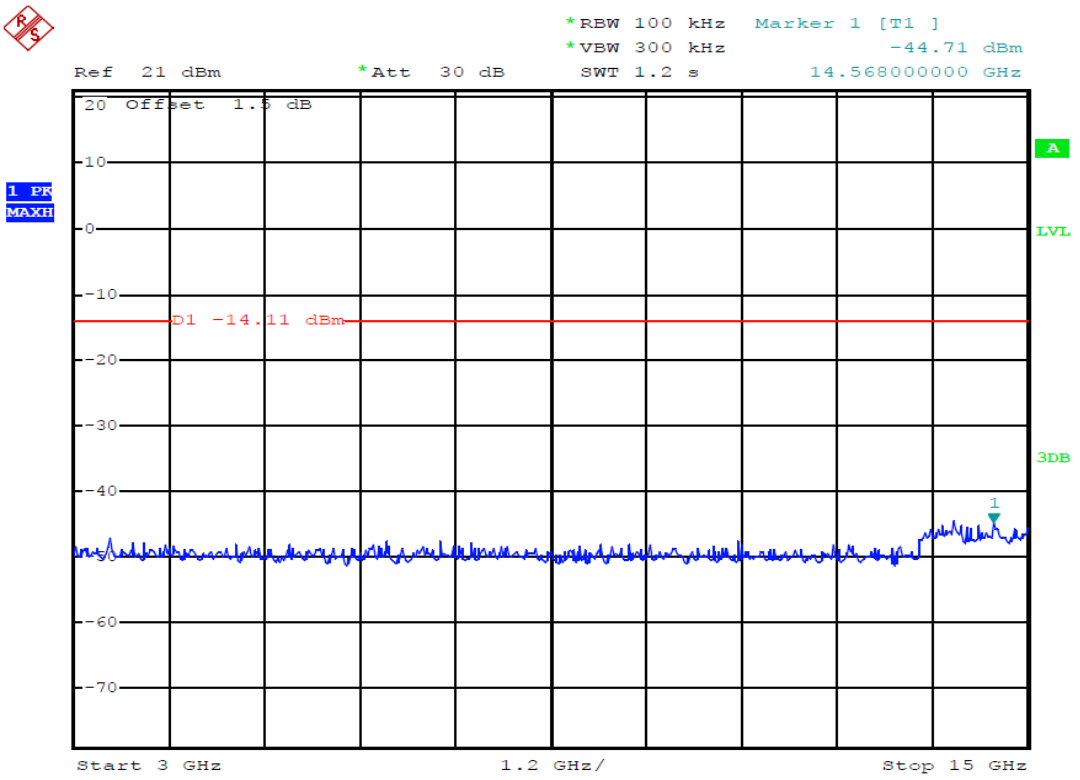
Date: 15.MAR.2014 11:40:39

(Plot 4.6.1 B3: Channel 6: 2437MHz @ 802.11b)



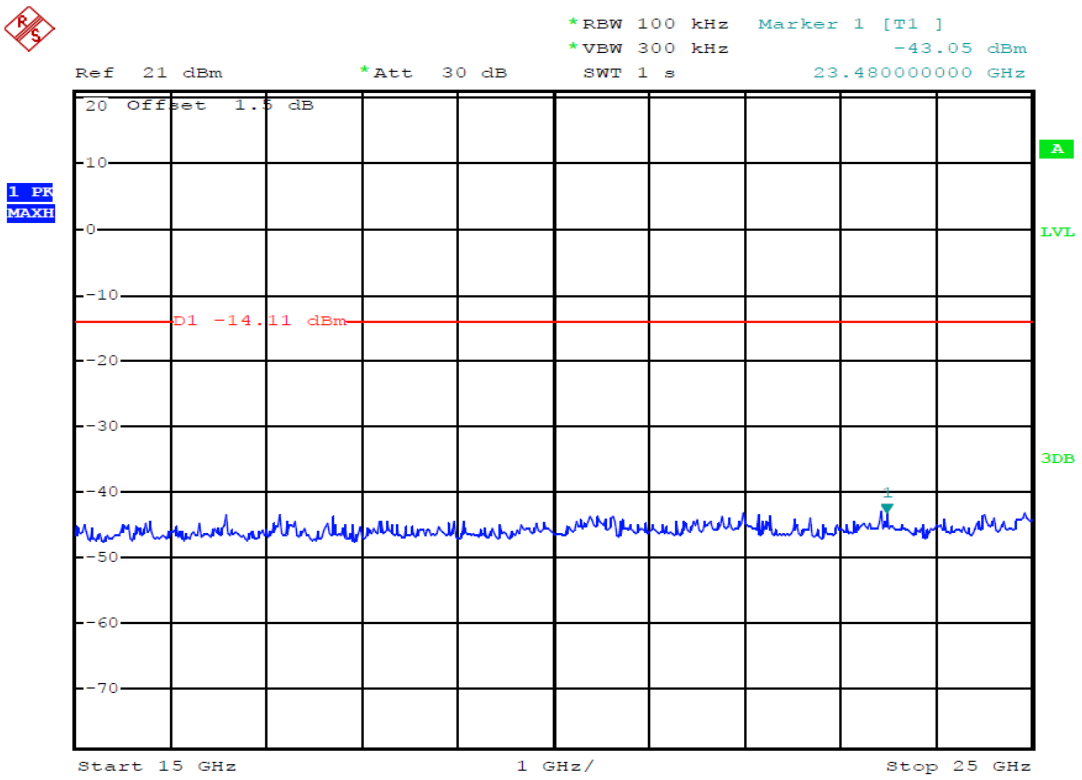
Date: 15.MAR.2014 11:41:46

(Plot 4.6.1 C1: Channel 11: 2462MHz @ 802.11b)



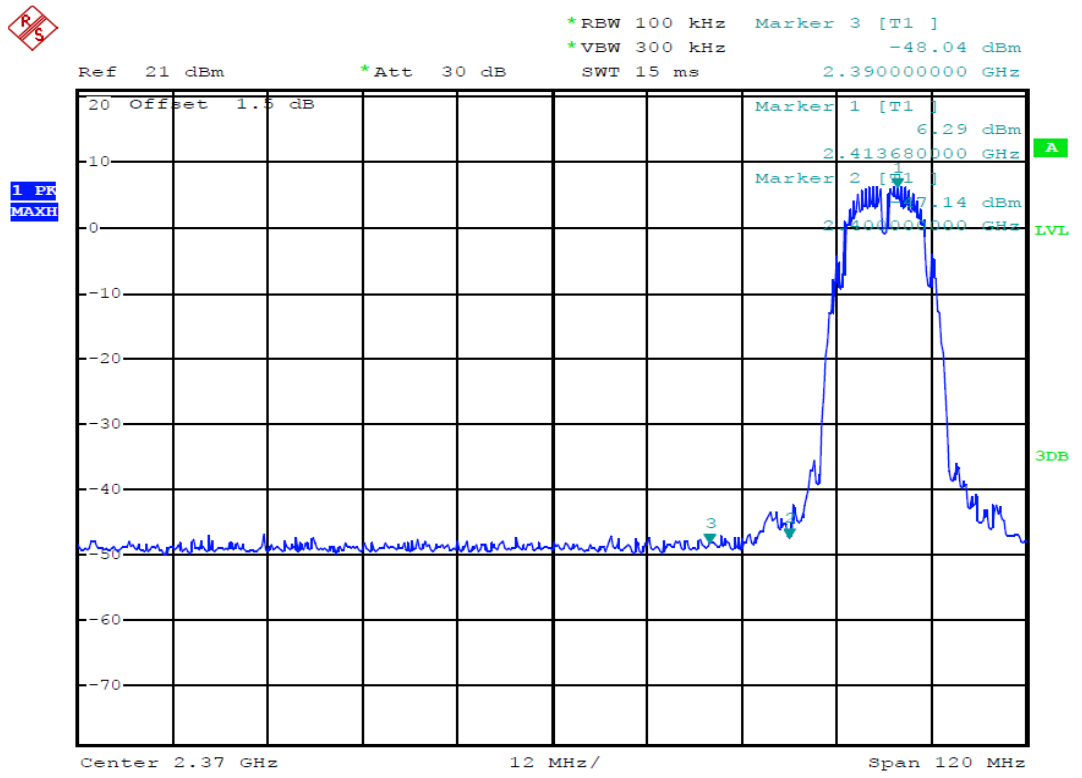
Date: 15.MAR.2014 11:42:13

(Plot 4.6.1 C2: Channel 11: 2462MHz @ 802.11b)



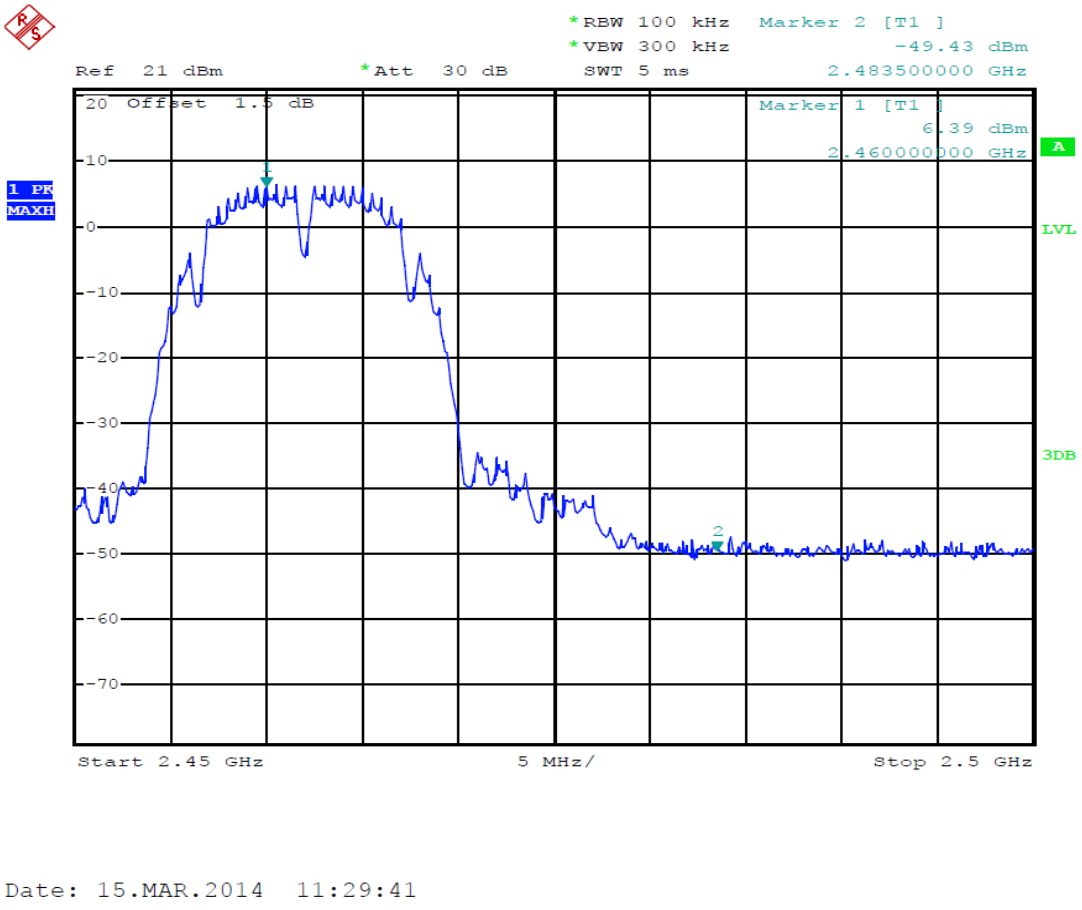
Date: 15.MAR.2014 11:42:27

(Plot 4.6.1 C3: Channel 11: 2462MHz @ 802.11b)



Date: 15.MAR.2014 11:26:59

(Plot 4.6.1 D: Channel 1: 2412MHz @ 802.11b)



(Plot 4.6.1 E: Channel 11: 2462MHz @ 802.11b)

4.6.2 802.11g Test Mode

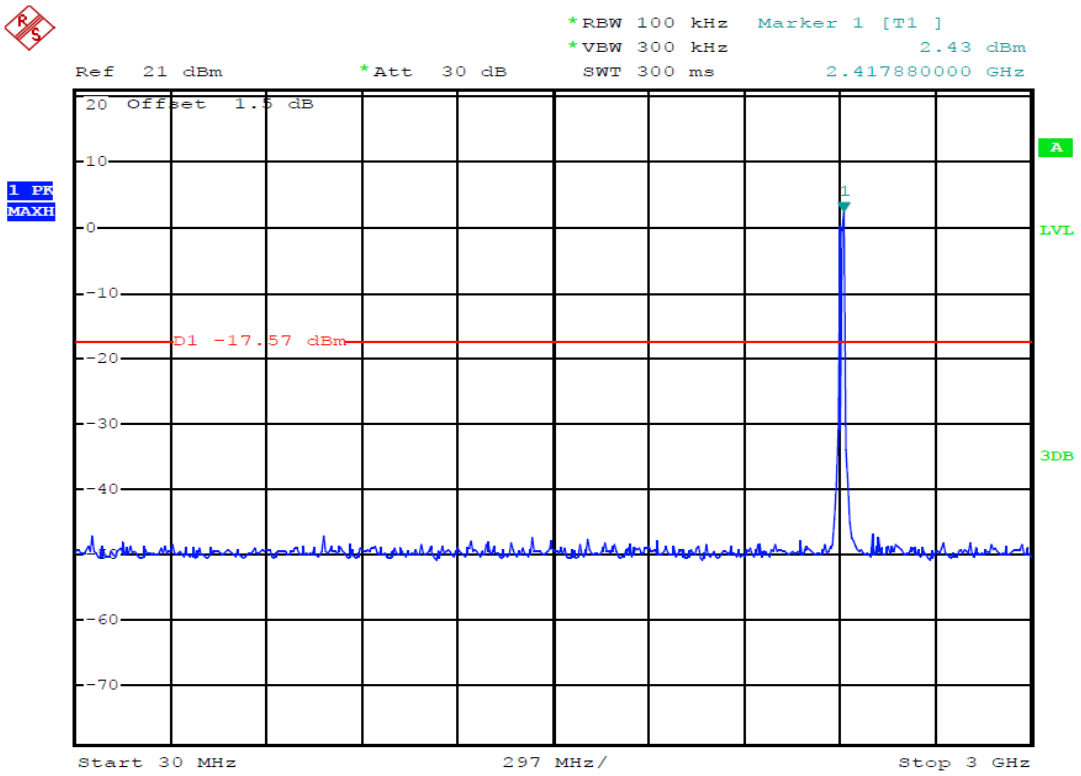
A. Test Verdict

Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 4.6.2 A1	-20	PASS
		Plot 4.6.2 A2	-20	PASS
		Plot 4.6.2 A3	-20	PASS
6	2437	Plot 4.6.2 B1	-20	PASS
		Plot 4.6.2 B2	-20	PASS
		Plot 4.6.2 B3	-20	PASS
11	2462	Plot 4.6.2 C1	-20	PASS
		Plot 4.6.2 C2	-20	PASS
		Plot 4.6.2 C3	-20	PASS

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
2400.00	-33.70	Peak	-20	Plot 4.6.2 D	PASS
2483.50	-44.48	Peak	-20	Plot 4.6.2 E	PASS

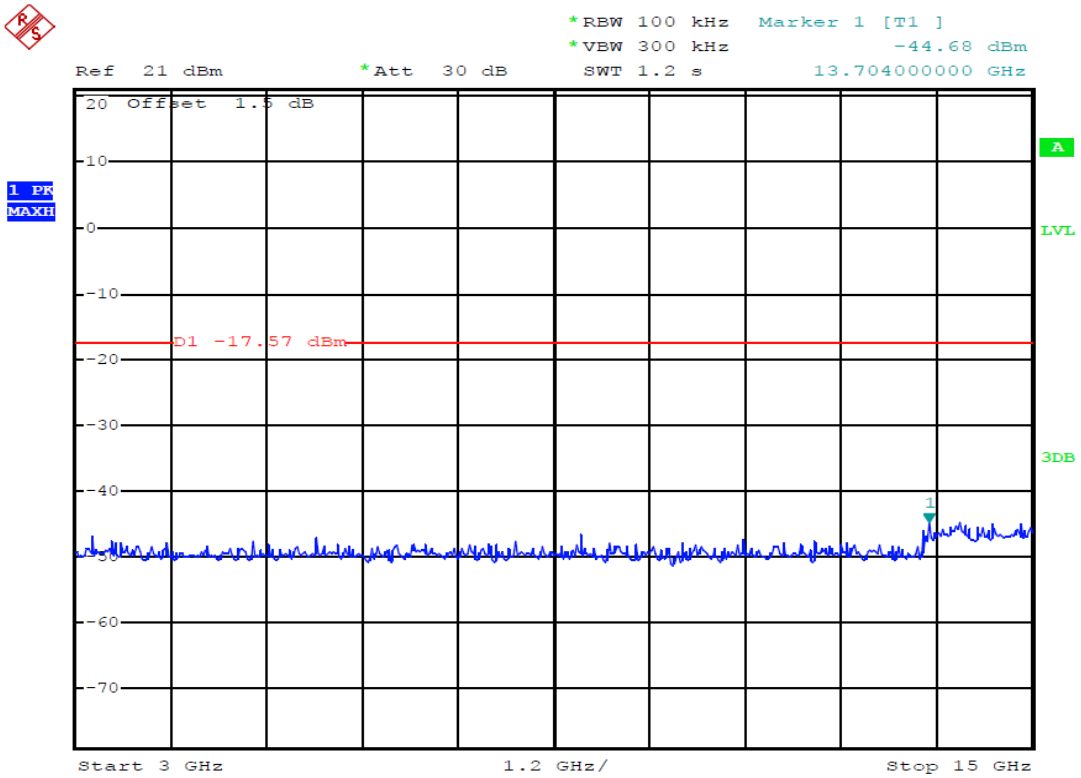
Note: 1. For 802.11g mode at finial test to get the worst-case emission at 6Mbps.
2.The test results including the cable lose.

B. Test Plots



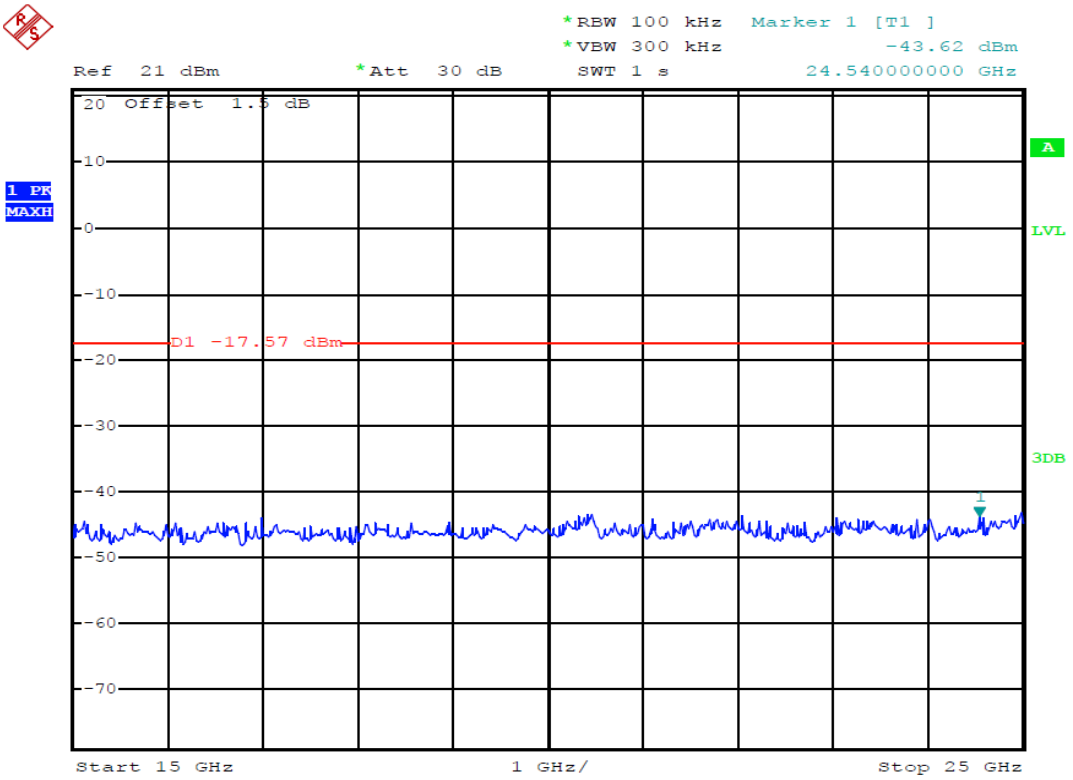
Date: 15.MAR.2014 11:47:16

(Plot 4.6.2 A1: Channel 1: 2412MHz @ 802.11g)



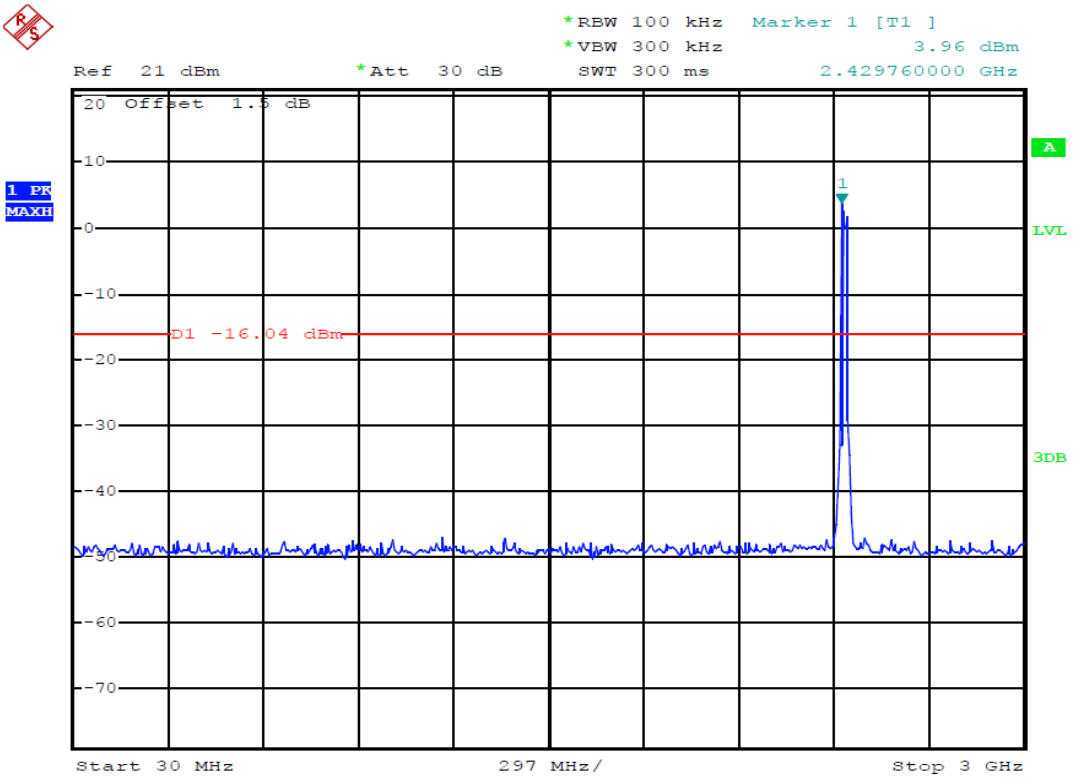
Date: 15.MAR.2014 11:47:37

(Plot 4.6.2 A2: Channel 1: 2412MHz @ 802.11g)



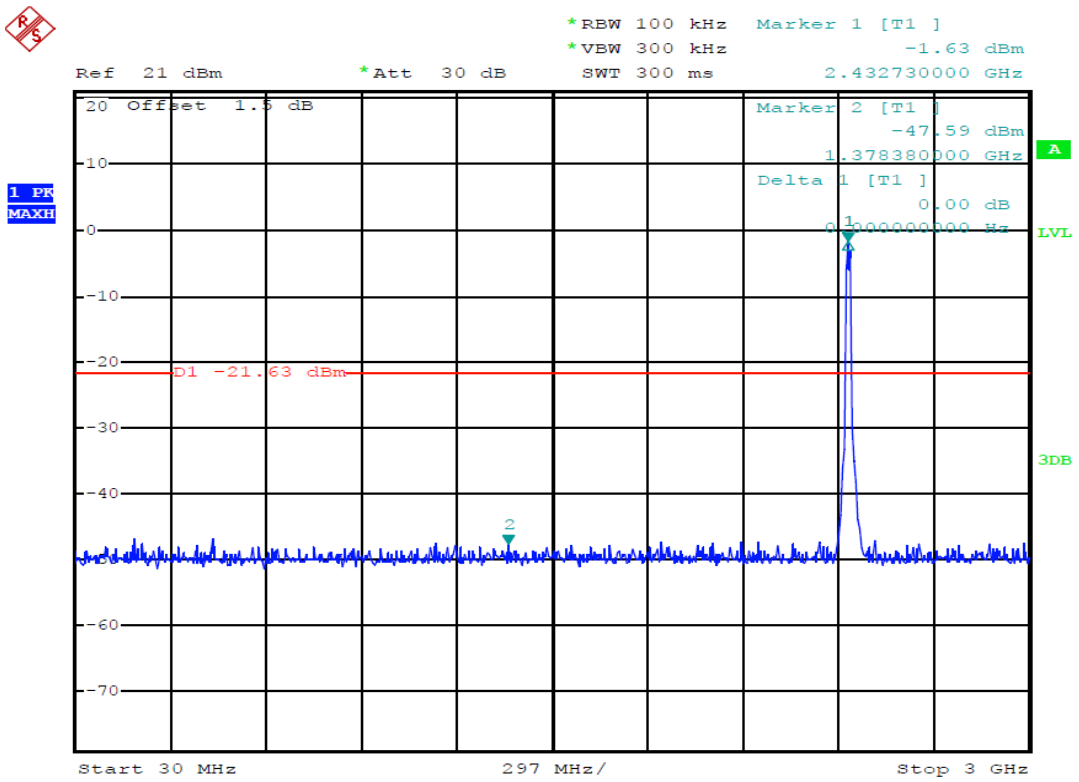
Date: 15.MAR.2014 11:47:49

(Plot 4.6.2 A3: Channel 1: 2412MHz @ 802.11g)



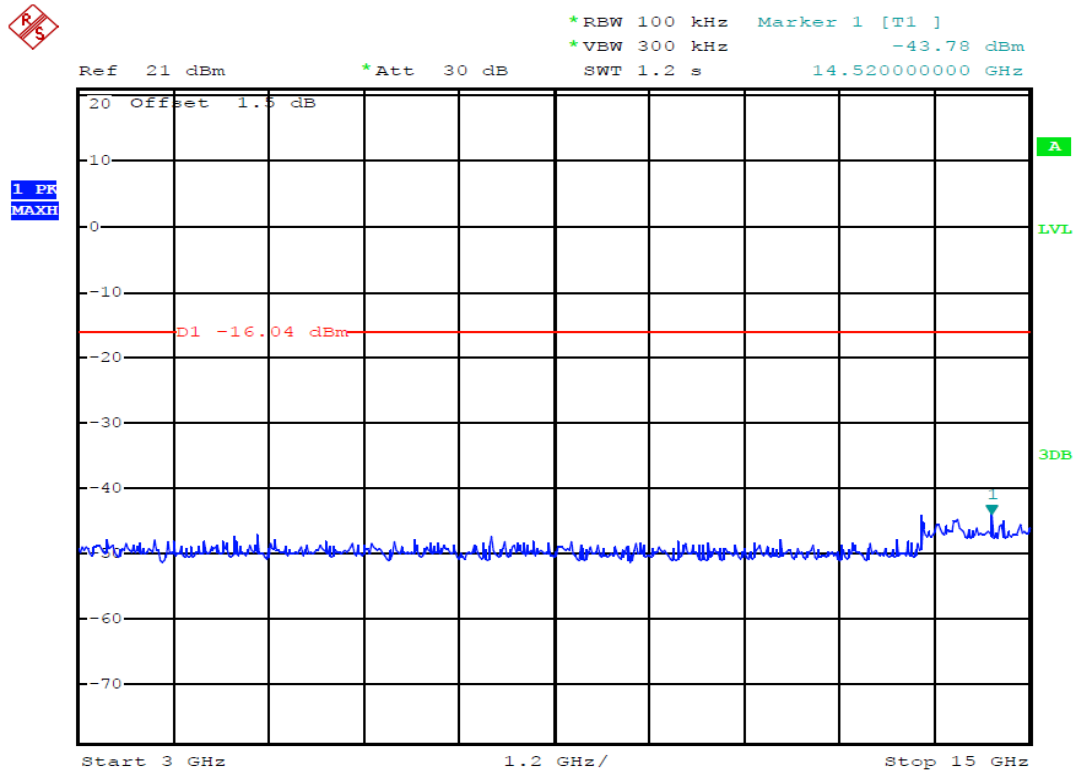
Date: 15.MAR.2014 11:46:10

(Plot 4.6.2 B1: Channel 6: 2437MHz @ 802.11g)



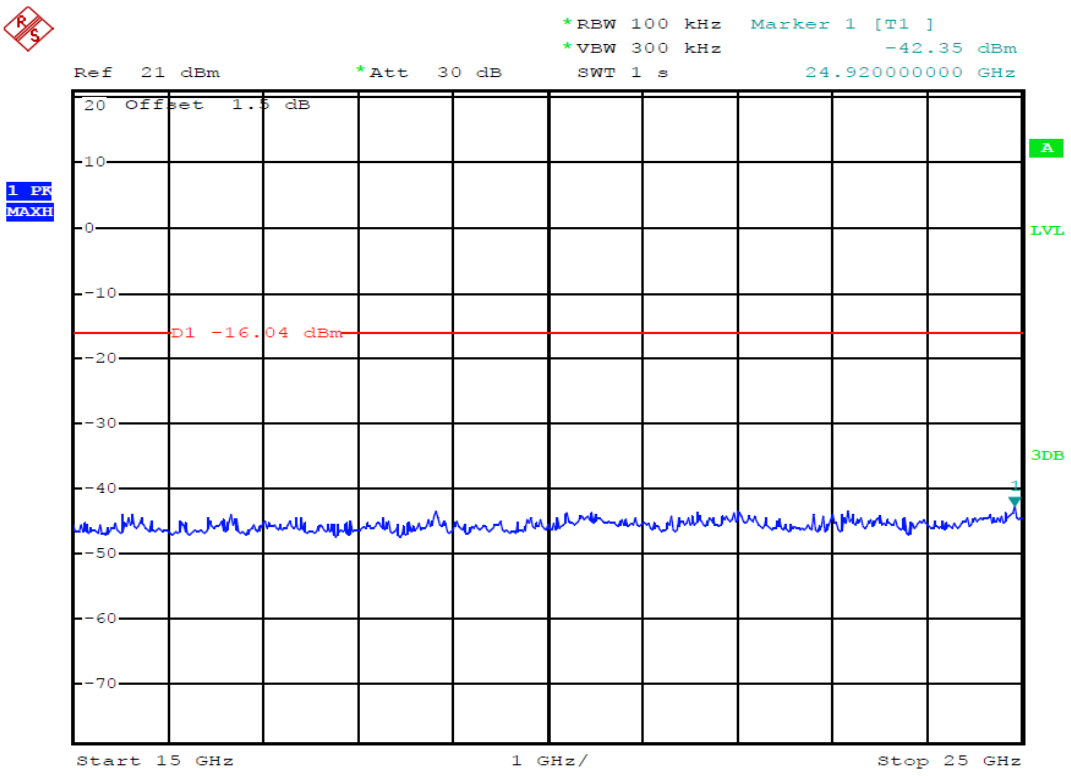
Date: 12.MAR.2014 16:51:25

(Plot 4.6.2 B2: Channel 6: 2437MHz @ 802.11g)



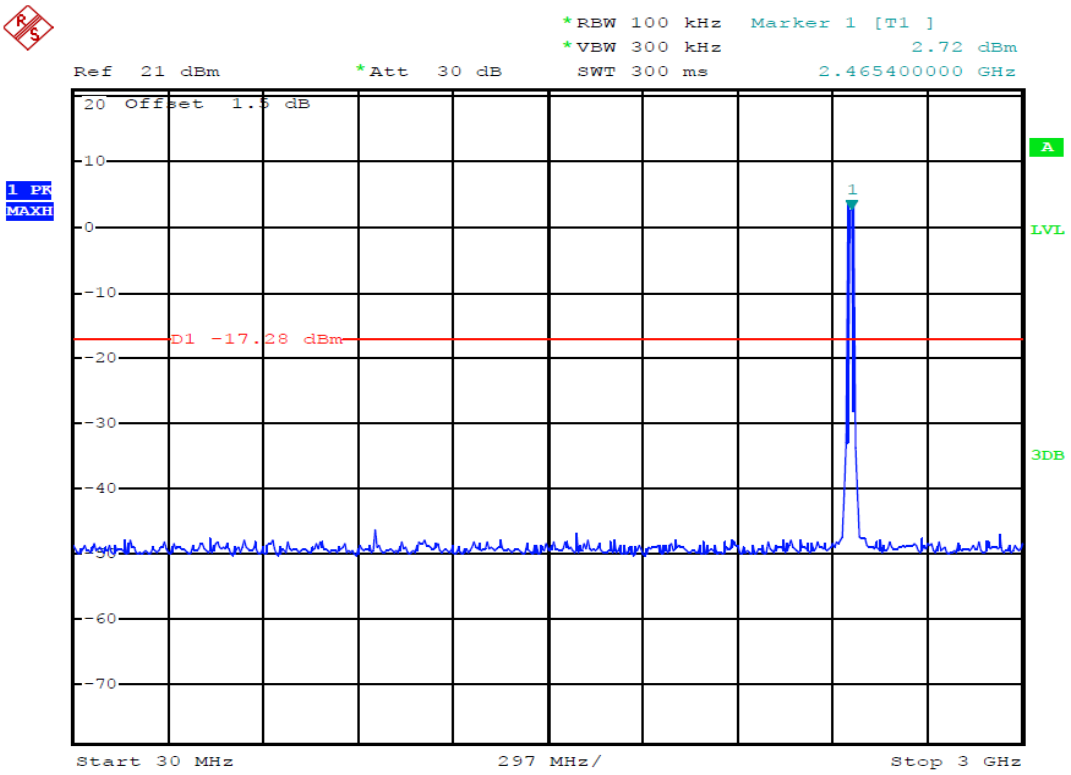
Date: 15.MAR.2014 11:46:26

(Plot 4.6.2 B3: Channel 6: 2437MHz @ 802.11g)



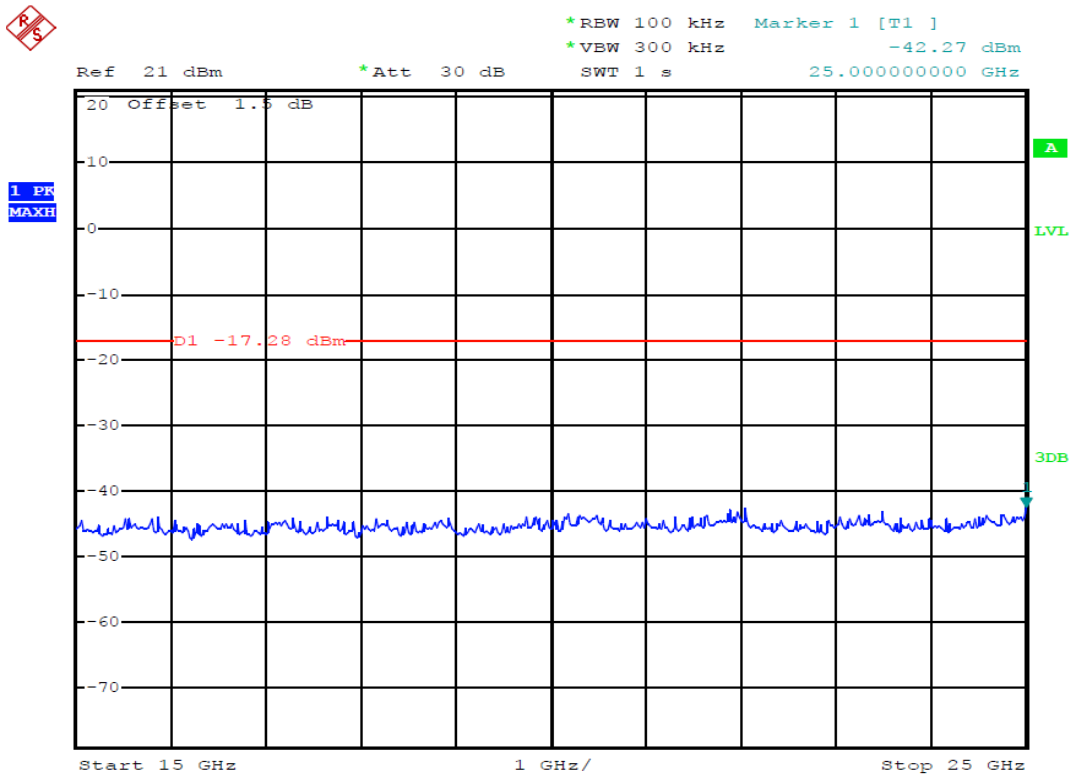
Date: 15.MAR.2014 11:46:43

(Plot 4.6.2 C1: Channel 11: 2462MHz @ 802.11g)



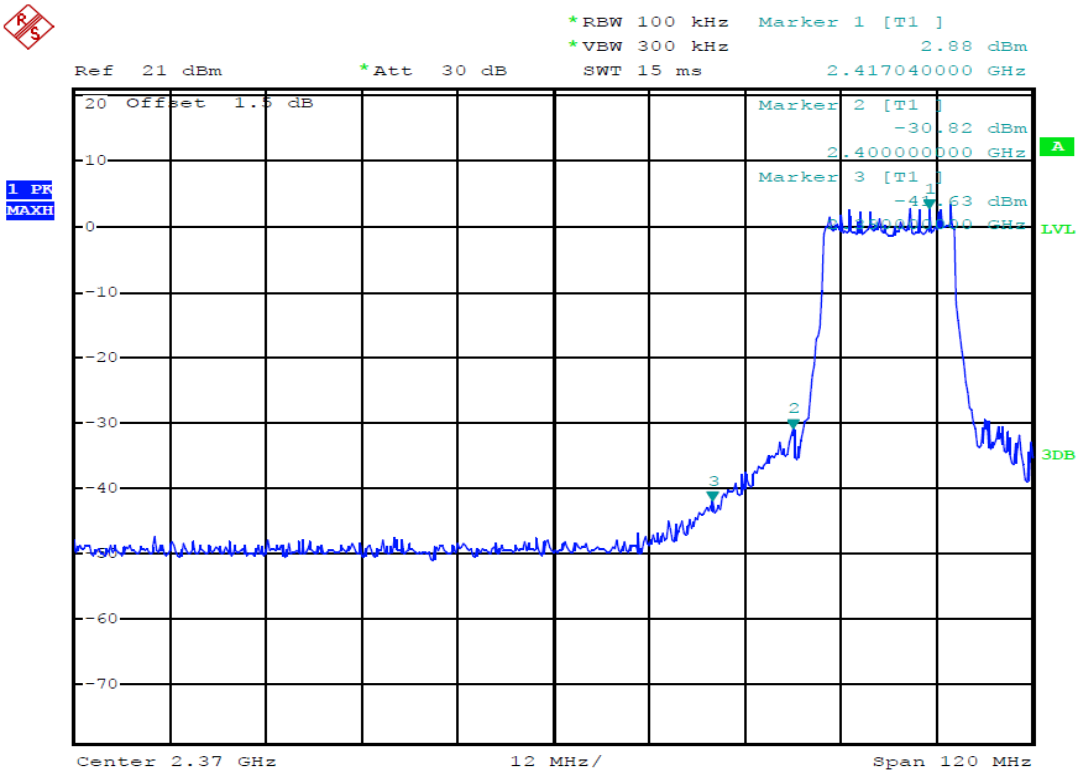
Date: 15.MAR.2014 11:43:43

(Plot 4.6.2 C2: Channel 11: 2462MHz @ 802.11g)



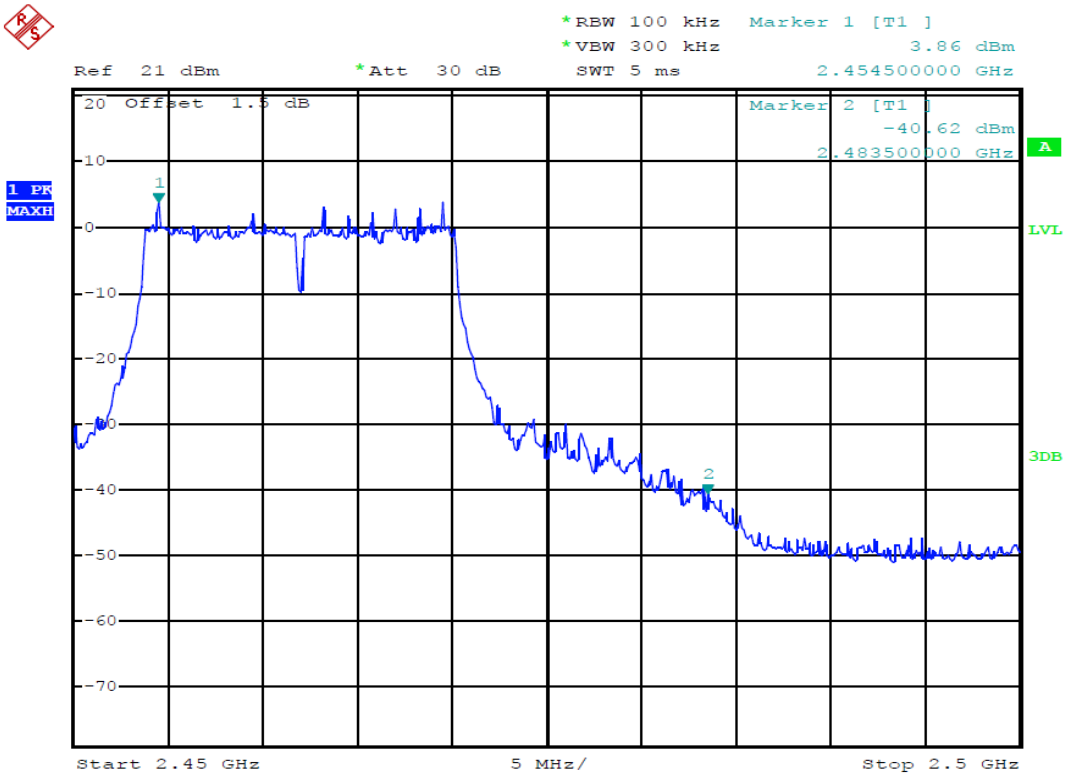
Date: 15.MAR.2014 11:44:34

(Plot 4.6.2 C3: Channel 11: 2462MHz @ 802.11g)



Date: 15.MAR.2014 11:28:15

(Plot 4.6.2 D: Channel 1: 2412MHz @ 802.11g)



(Plot 4.6.2 E: Channel 11: 2462MHz @ 802.11g)

4.6.3 802.11n(20MHz) Test Mode

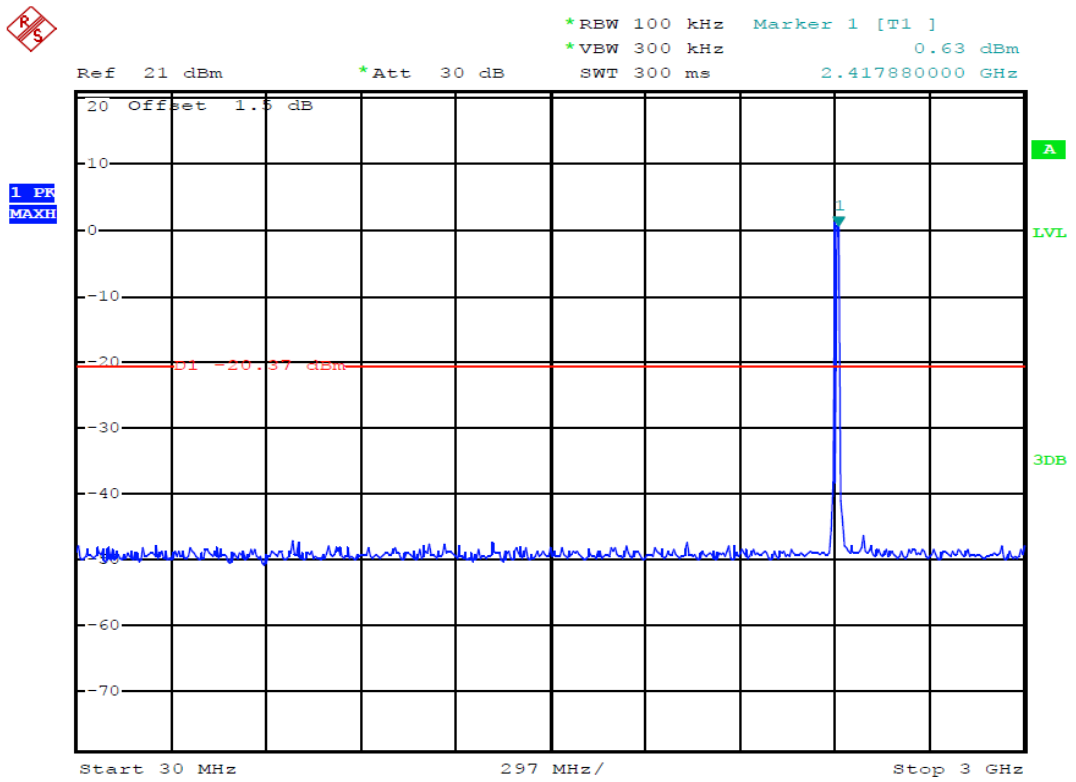
A. Test Verdict

Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 4.6.3 A1	-20	PASS
		Plot 4.6.3 A2	-20	PASS
		Plot 4.6.3 A3	-20	PASS
6	2437	Plot 4.6.3 B1	-20	PASS
		Plot 4.6.3 B2	-20	PASS
		Plot 4.6.3 B3	-20	PASS
11	2462	Plot 4.6.3 C1	-20	PASS
		Plot 4.6.3 C2	-20	PASS
		Plot 4.6.3 C3	-20	PASS

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
2400.00	-41.63	Peak	-20	Plot 4.6.3 D	PASS
2483.50	-45.96	Peak	-20	Plot 4.6.3 E	PASS

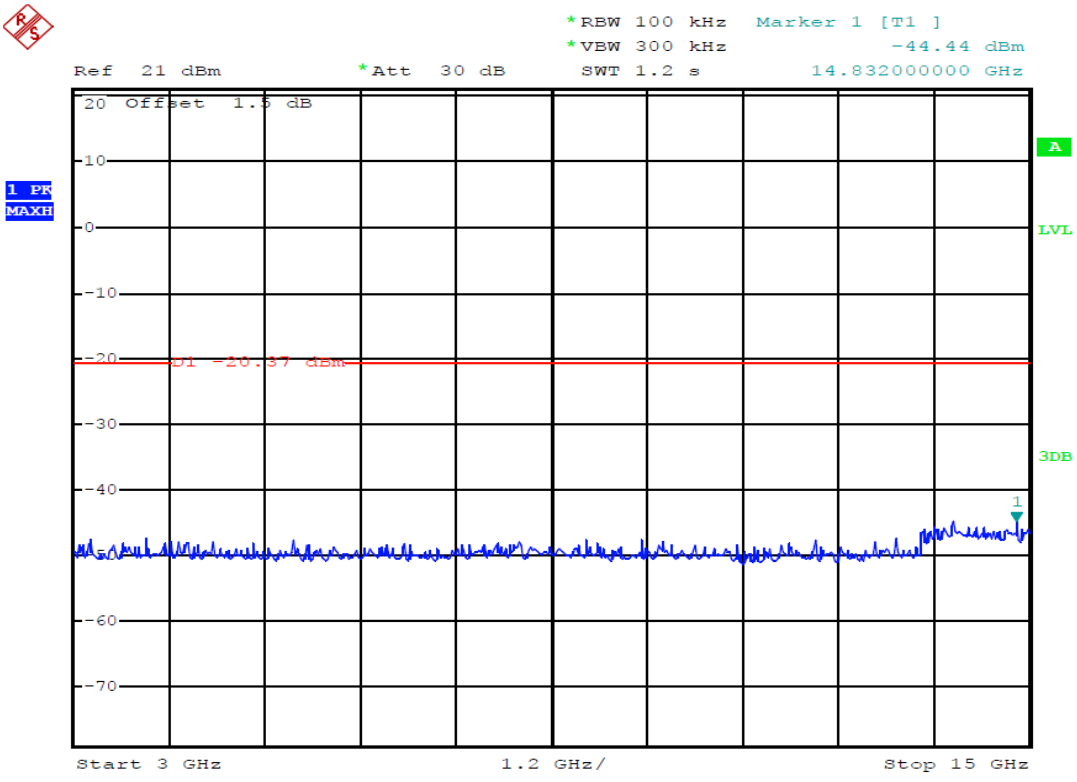
Note: 1. For 802.11n(20MHz) mode at finial test to get the worst-case emission at 6.5Mbps.
2.The test results including the cable lose.

B. Test Plots



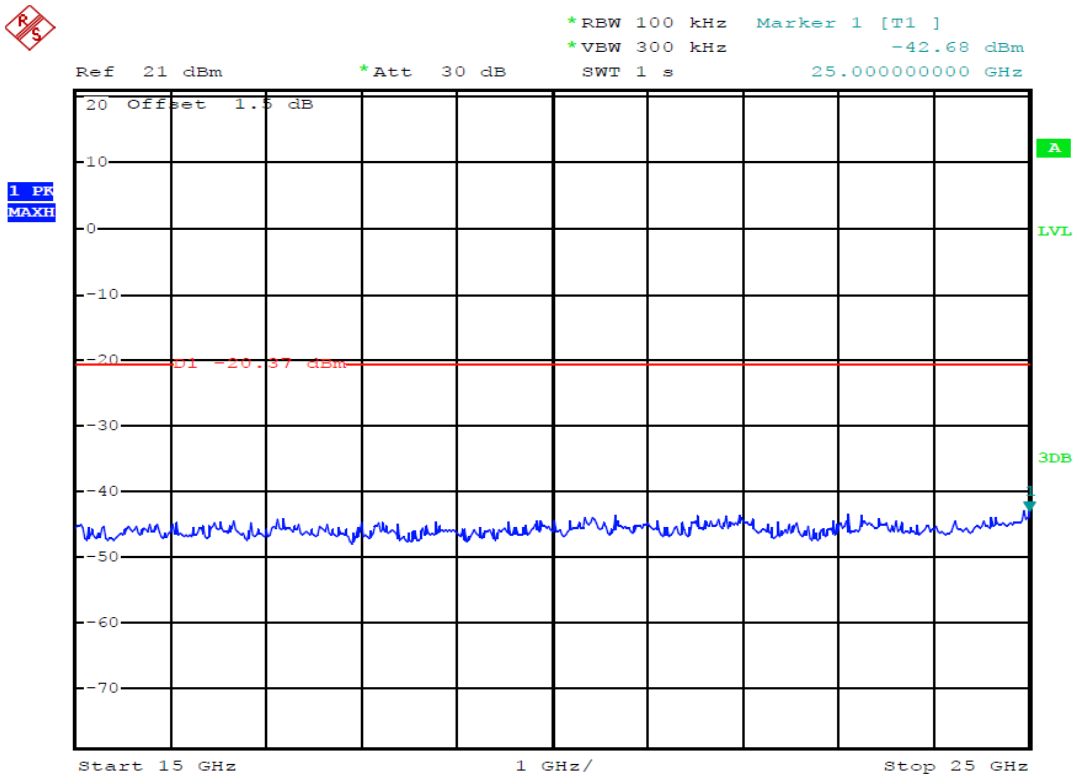
Date: 15.MAR.2014 11:48:52

(Plot 4.6.3 A1: Channel 1: 2412MHz @ 802.11n(20MHz))



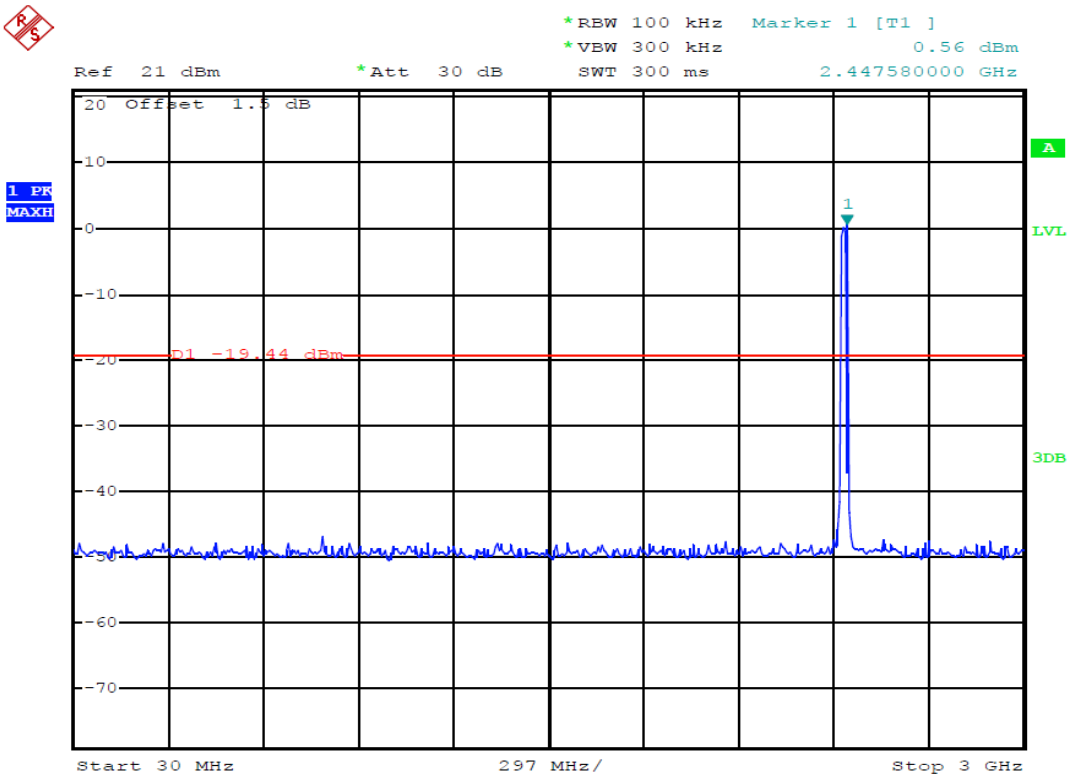
Date: 15.MAR.2014 11:49:07

(Plot 4.6.3 A2: Channel 1: 2412MHz @ 802.11n(20MHz))



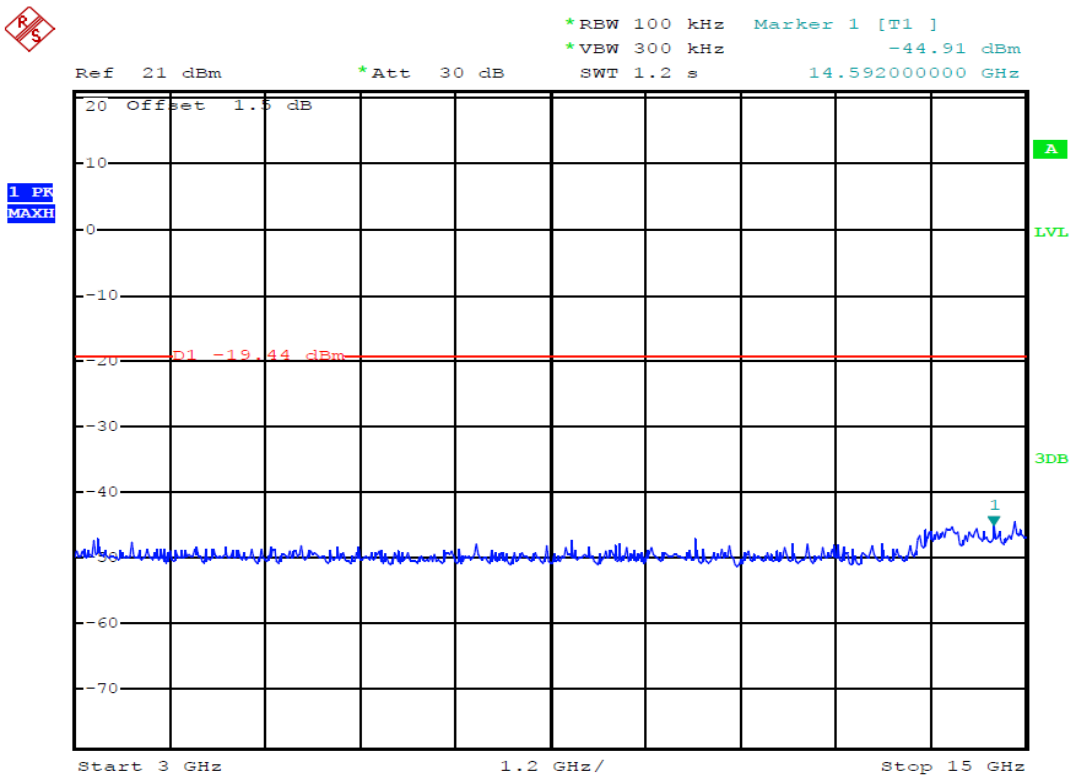
Date: 15.MAR.2014 11:49:23

(Plot 4.6.3 A3: Channel 1: 2412MHz @ 802.11n(20MHz))



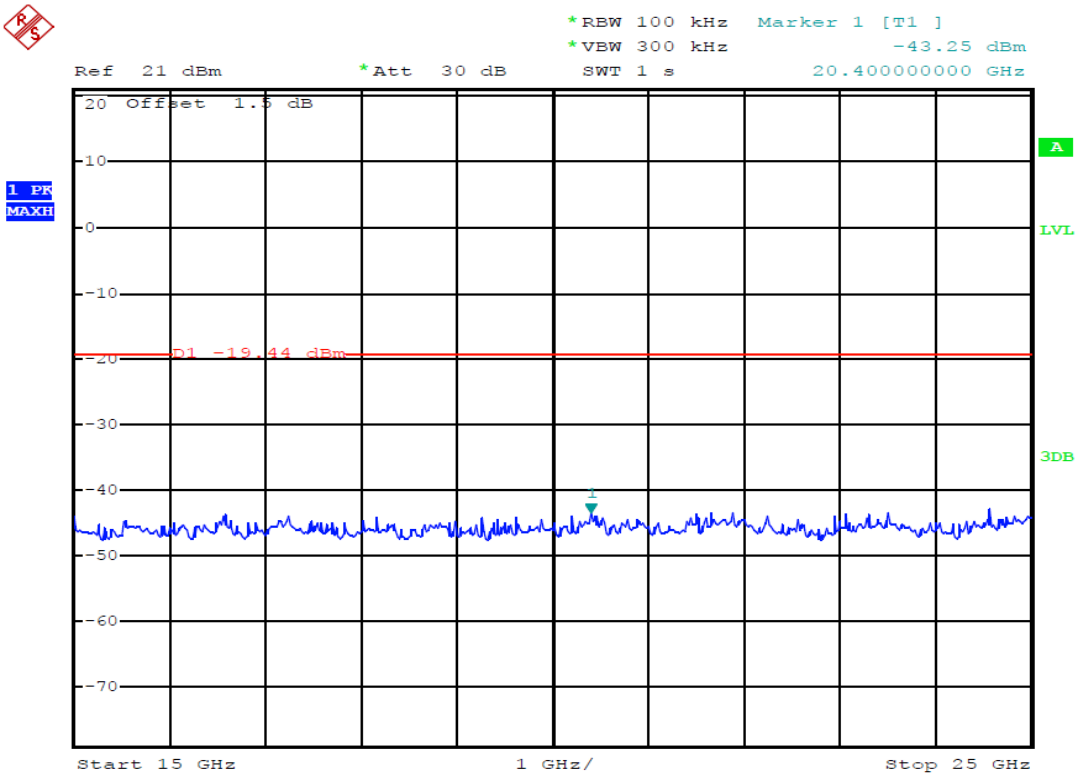
Date: 15.MAR.2014 11:50:48

(Plot 4.6.3 B1: Channel 6: 2437MHz @ 802.11n(20MHz))



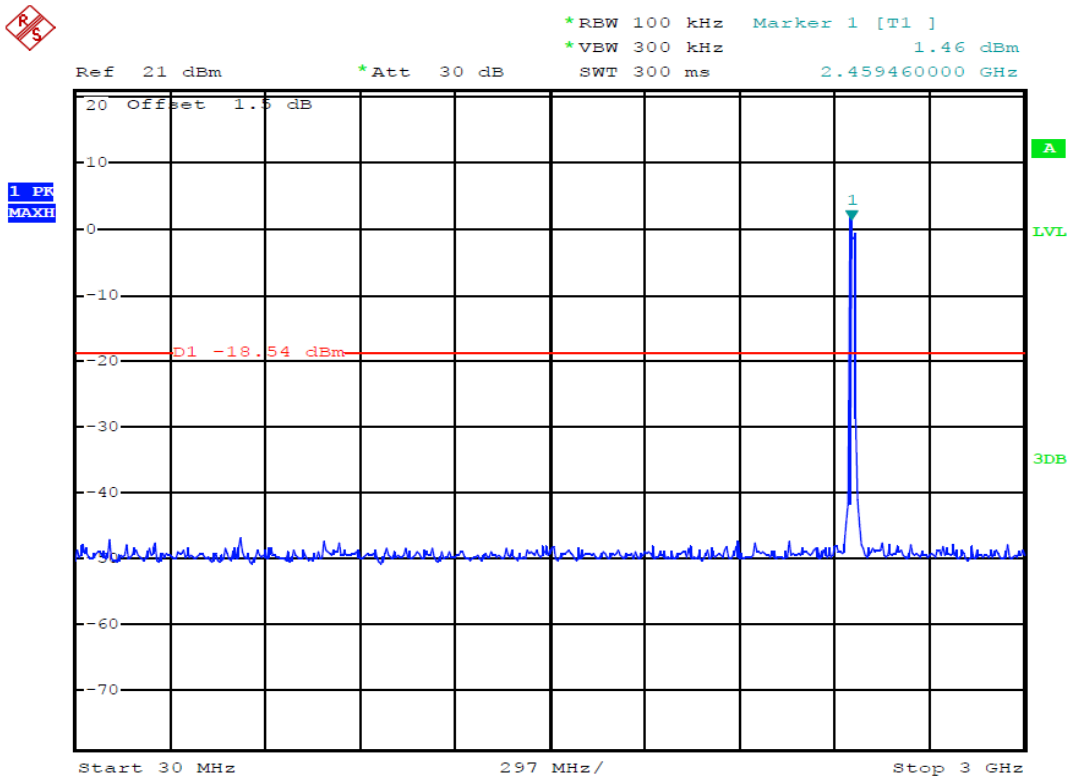
Date: 15.MAR.2014 11:51:03

(Plot 4.6.3 B2: Channel 6: 2437MHz @ 802.11n(20MHz))



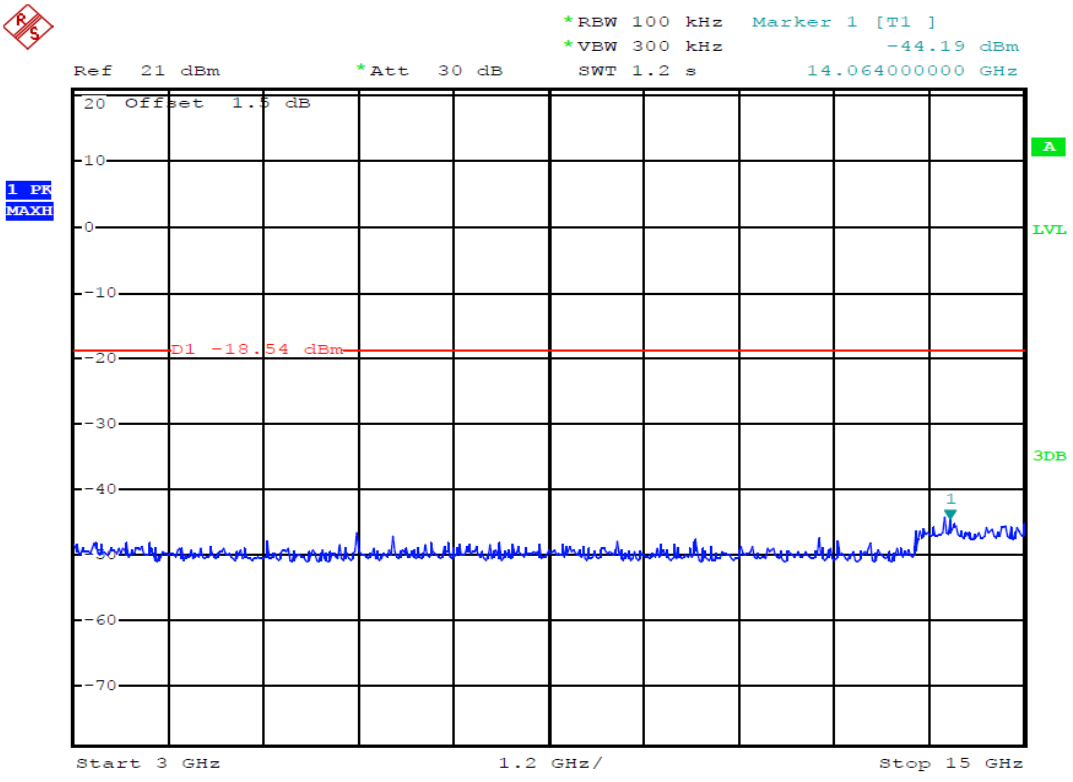
Date: 15.MAR.2014 11:51:19

(Plot 4.6.3 B3: Channel 6: 2437MHz @ 802.11n(20MHz))



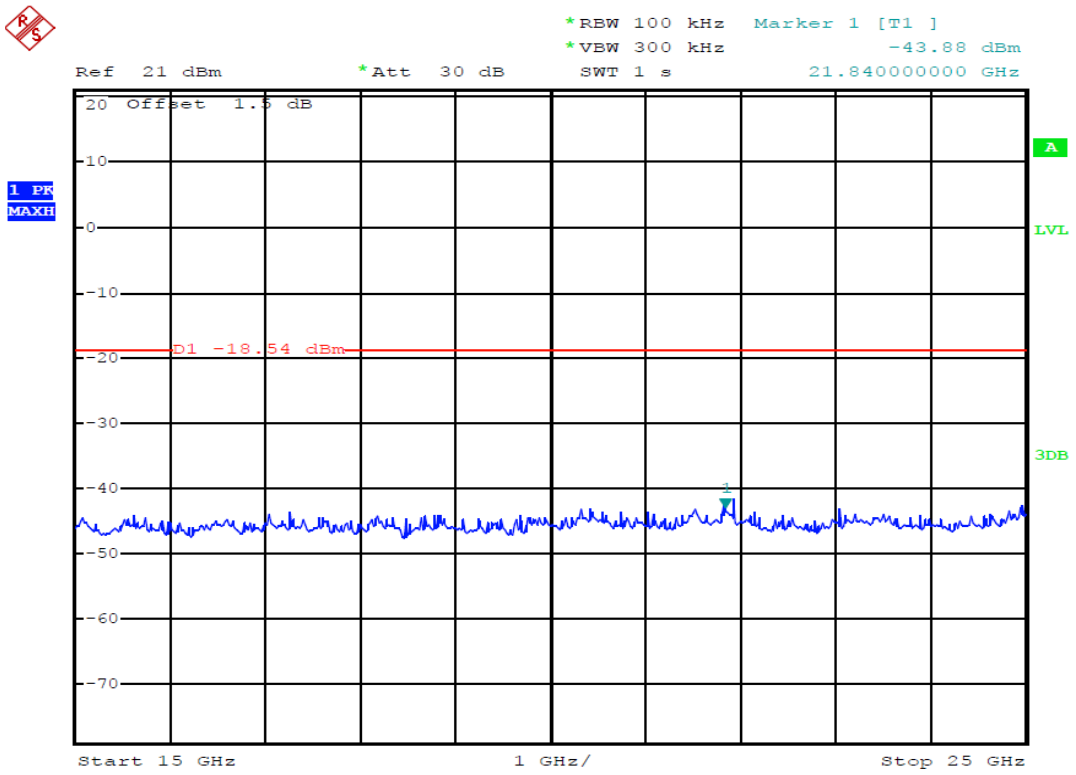
Date: 15.MAR.2014 11:52:15

(Plot 4.6.3 C1: Channel 11: 2462MHz @ 802.11n(20MHz))



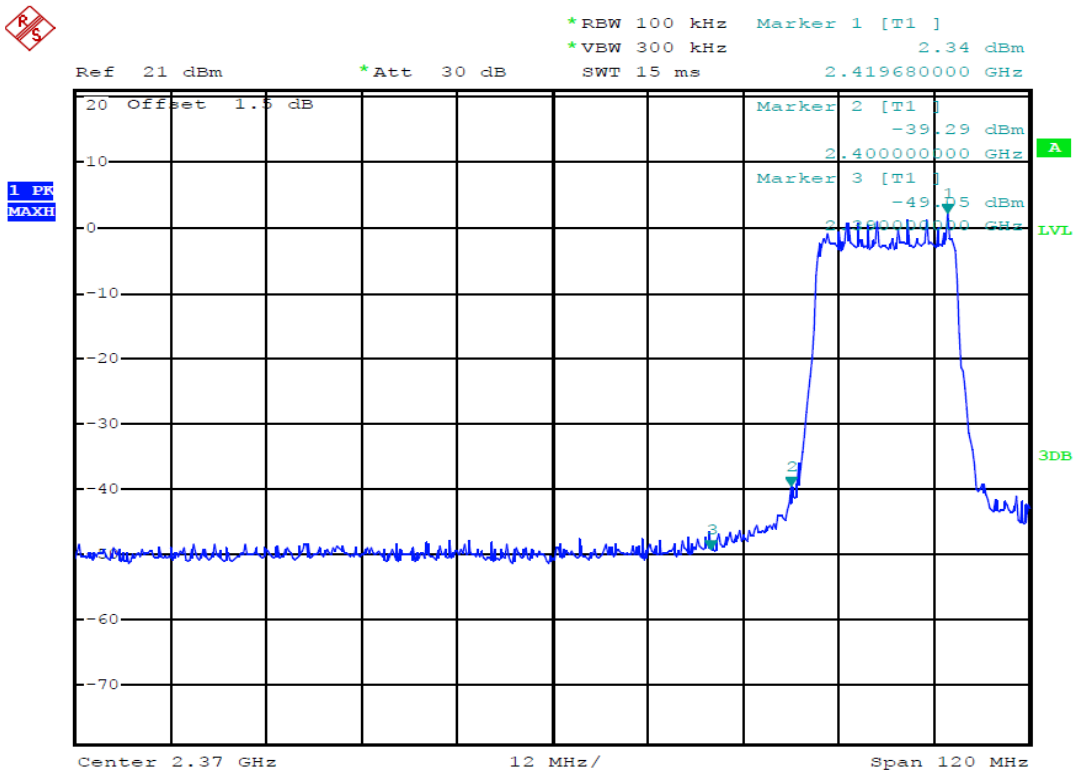
Date: 15.MAR.2014 11:52:27

(Plot 4.6.3 C2: Channel 11: 2462MHz @ 802.11n(20MHz))



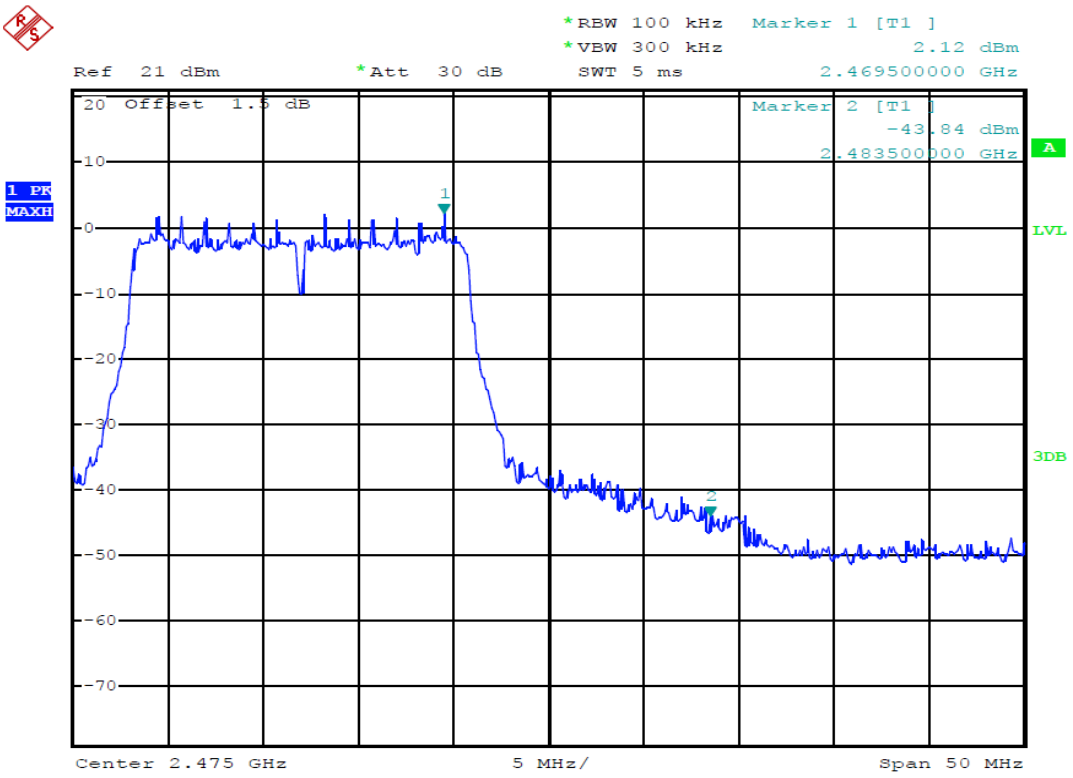
Date: 15.MAR.2014 11:52:42

(Plot 4.6.3 C3: Channel 11: 2462MHz @ 802.11n(20MHz))



Date: 15.MAR.2014 11:28:50

(Plot 4.6.3 D: Channel 1: 2412MHz @ 802.11n(20MHz))

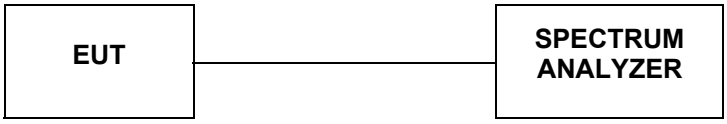


Date: 15.MAR.2014 11:30:35

(Plot 4.6.3 E: Channel 11: 2462MHz @ 802.11n(20MHz))

4.7. 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 with RBW=100 KHz and VBW=300KHz.
The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.
According to KDB558074 D01 V03 for one of the following procedures may be used to determine the modulated DTS device signal bandwidth.
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

LIMIT

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

TEST RESULTS

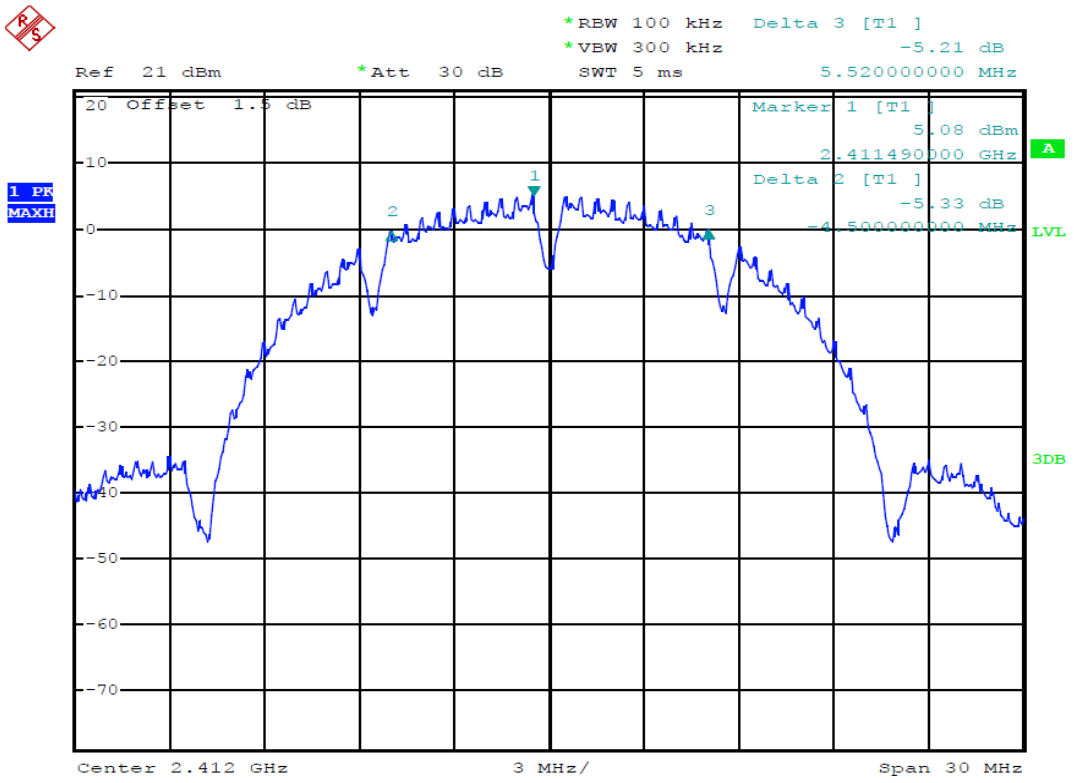
4.7.1 801.11b Test Mode

A. Test Verdict

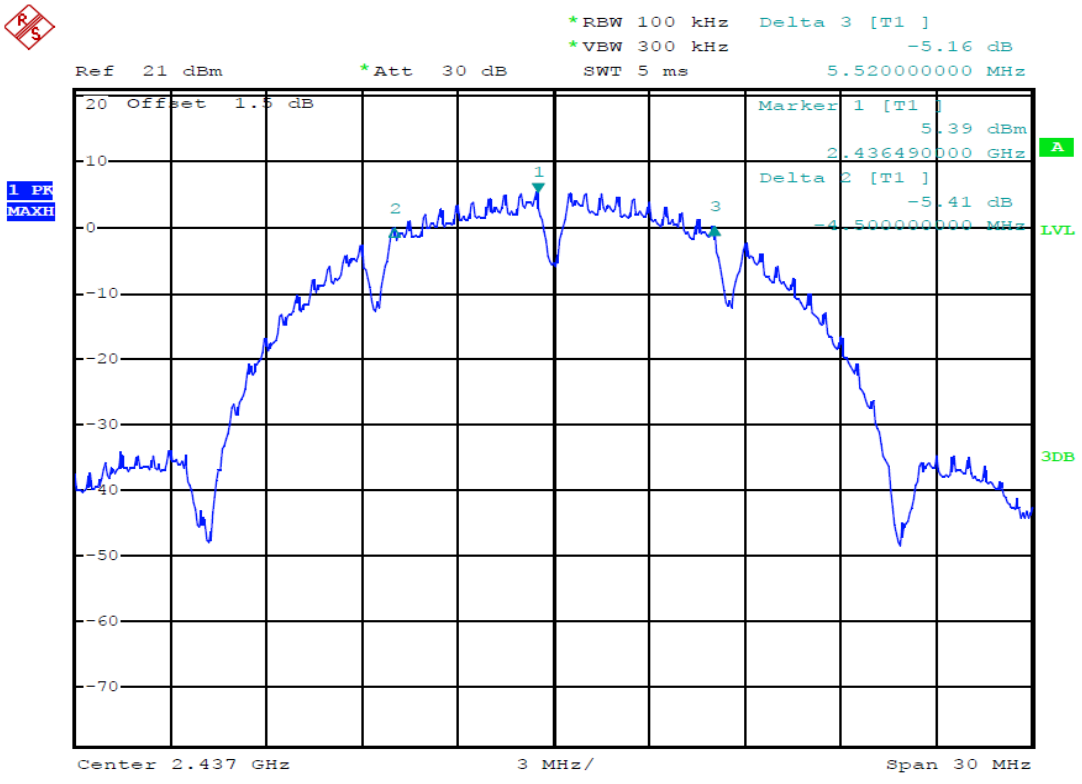
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Verdict
1	2412	10.02	Plot 4.7.1 A	≥500	PASS
6	2437	10.02	Plot 4.7.1 B	≥500	PASS
11	2462	10.02	Plot 4.7.1 C	≥500	PASS

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

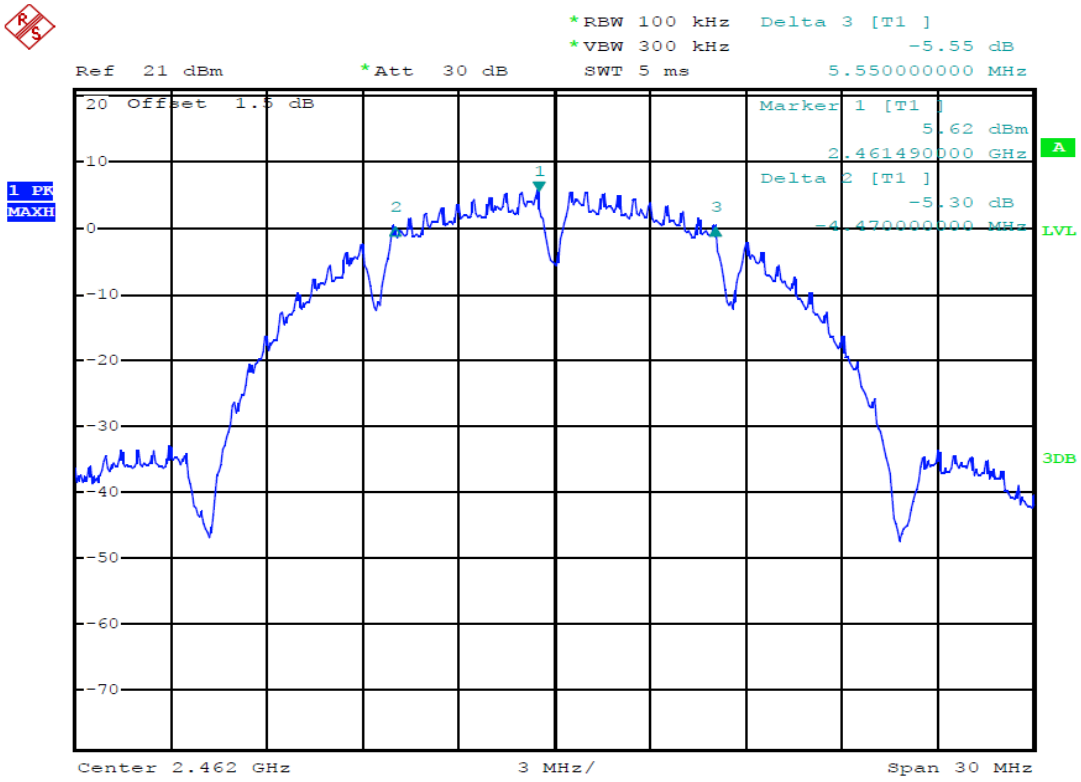
B. Test Plots



(Plot 4.7.1 A: Channel 1: 2412MHz @ 802.11b)



(Plot 4.7.1 B: Channel 6: 2437MHz @ 802.11b)



(Plot 4.7.1 C: Channel 11: 2462MHz @ 802.11b)

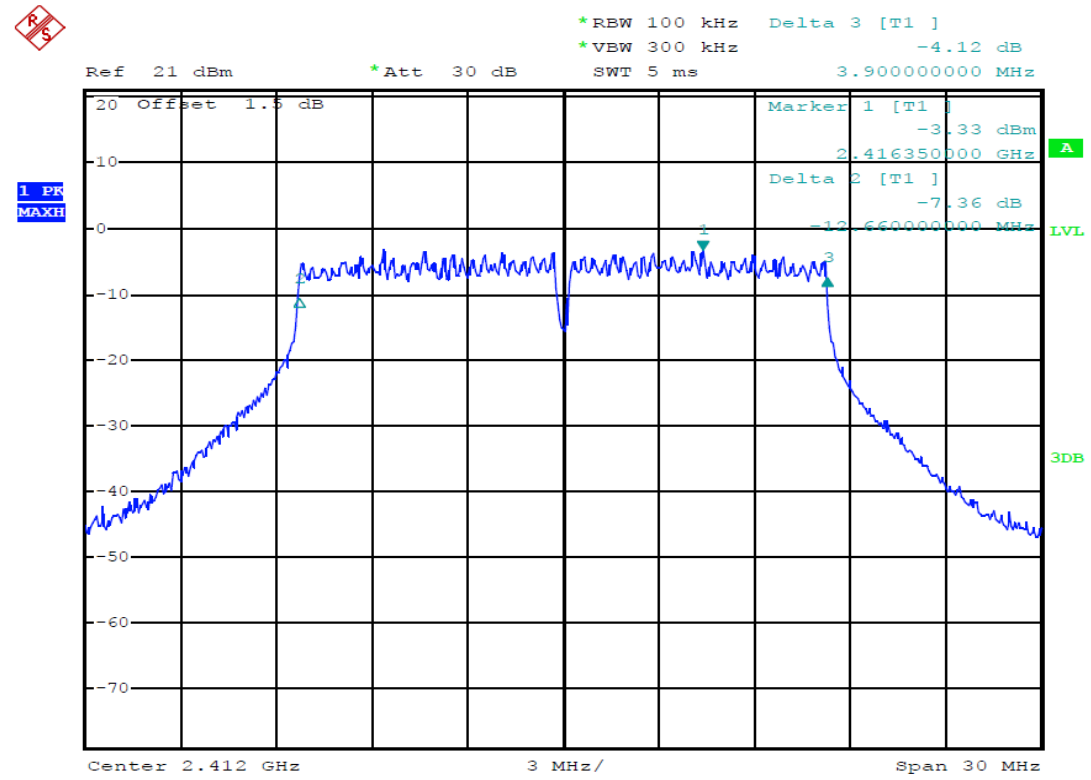
4.7.2 801.11g Test Mode

A. Test Verdict

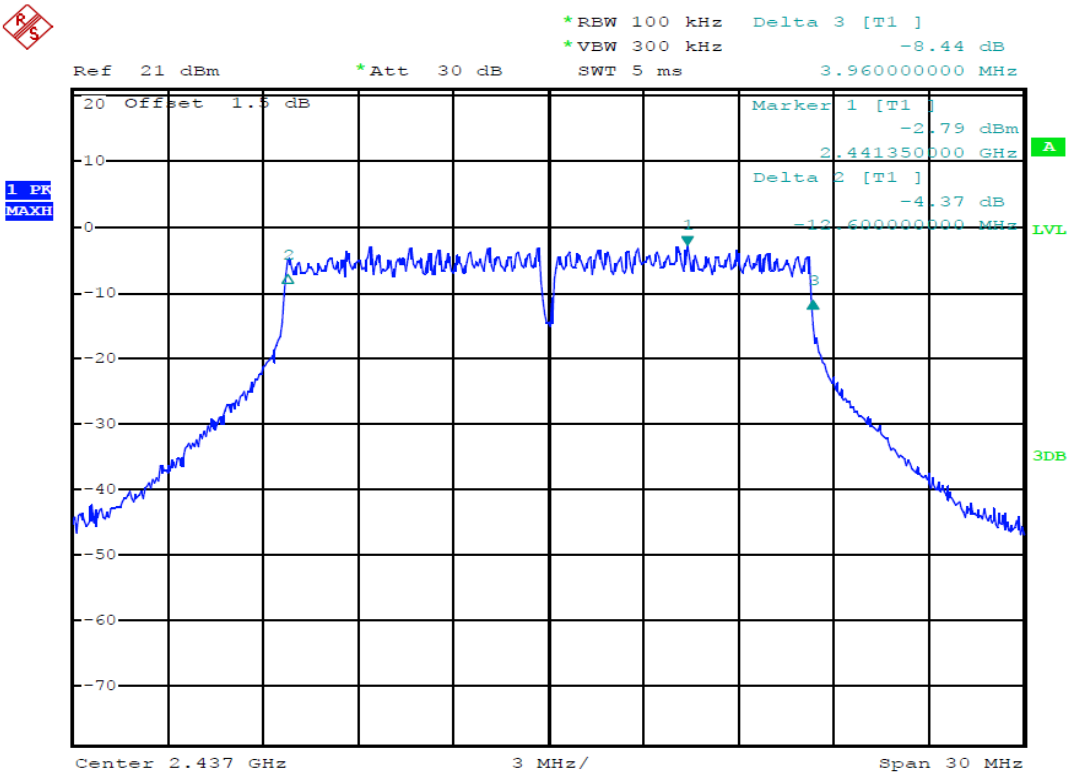
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Verdict
1	2412	16.56	Plot 4.7.2 A	≥500	PASS
6	2437	16.56	Plot 4.7.2 B	≥500	PASS
11	2462	16.56	Plot 4.7.2 C	≥500	PASS

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

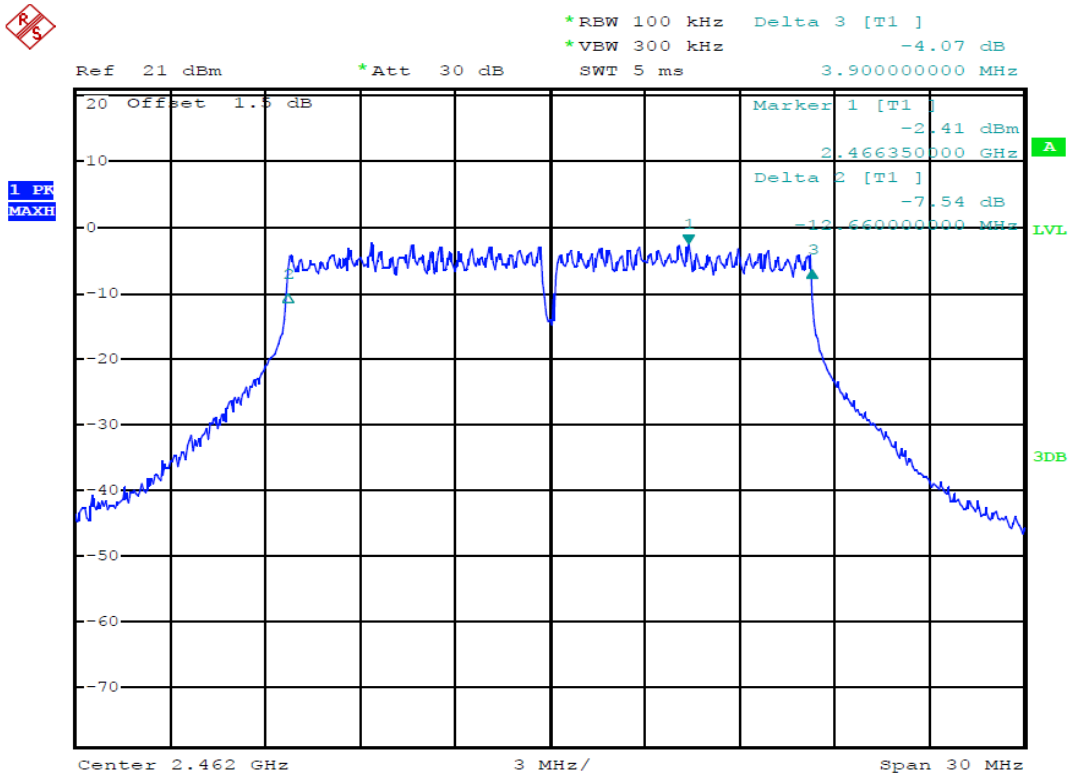
B. Test Plots



(Plot 4.7.2 A: Channel 1: 2412MHz @ 802.11g)



(Plot 4.7.2 B: Channel 6: 2437MHz @ 802.11g)



(Plot 4.7.2 C: Channel 11: 2462MHz @ 802.11g)

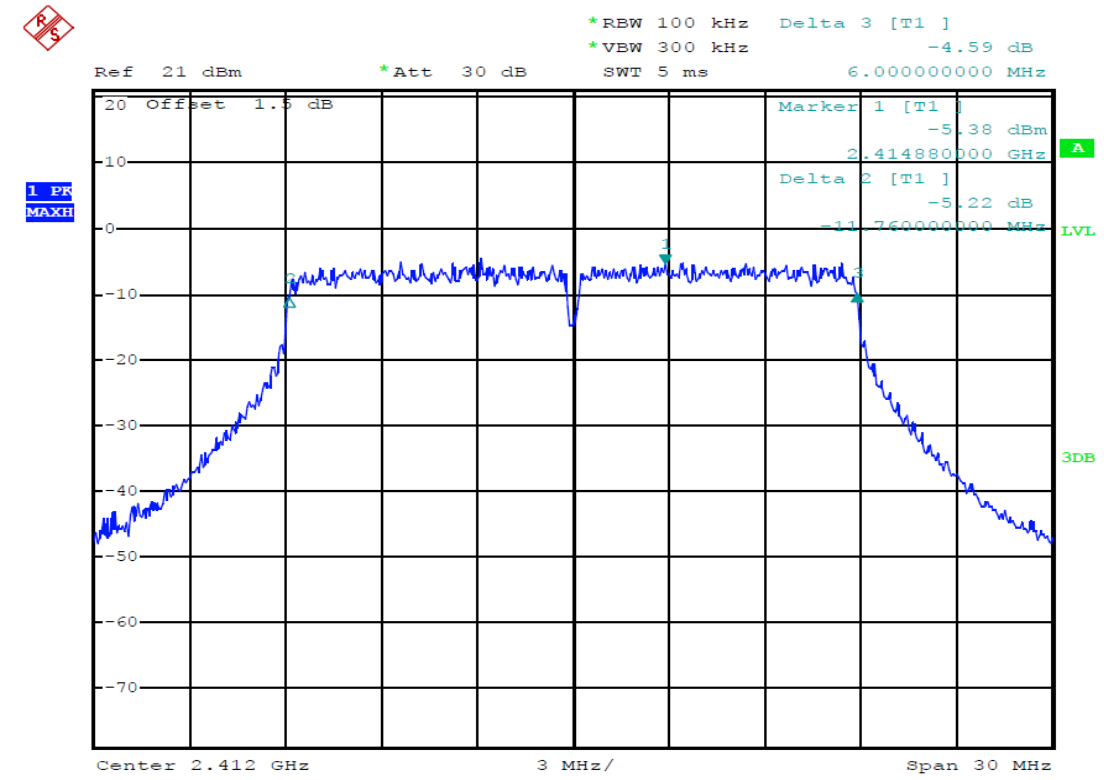
4.7.3 801.11n(20MHz) Test Mode

A. Test Verdict

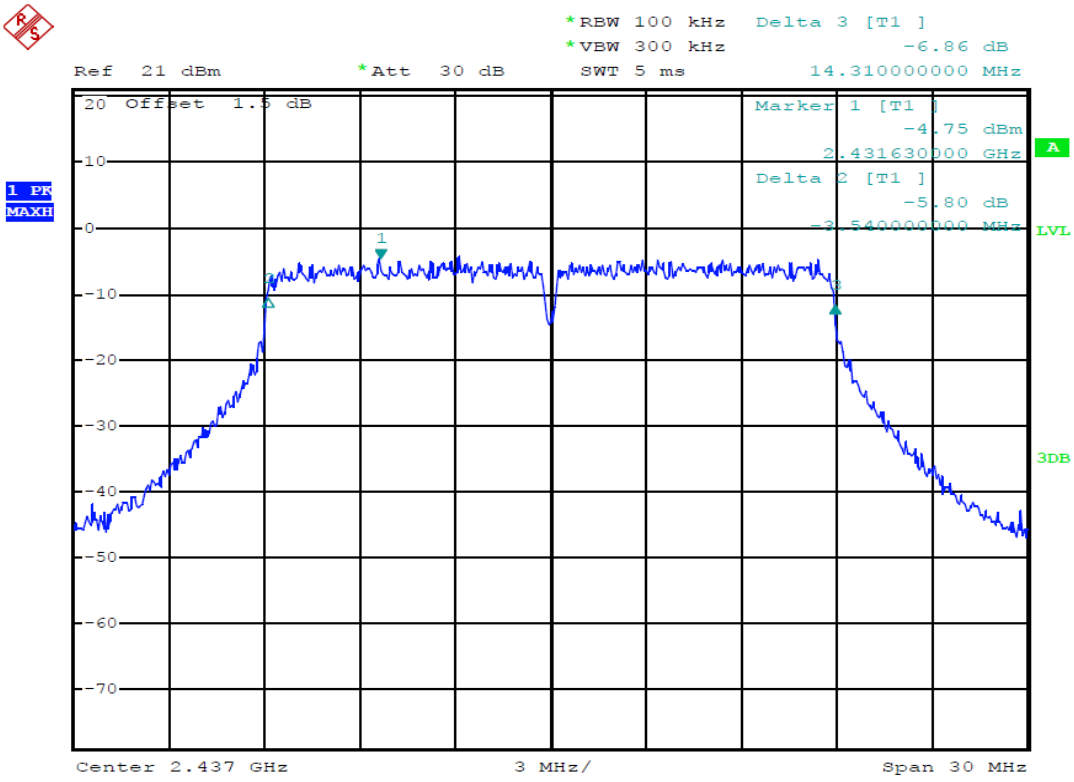
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Verdict
1	2412	17.76	Plot 4.7.3 A	≥500	PASS
6	2437	17.85	Plot 4.7.3 B	≥500	PASS
11	2462	17.76	Plot 4.7.3 C	≥500	PASS

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

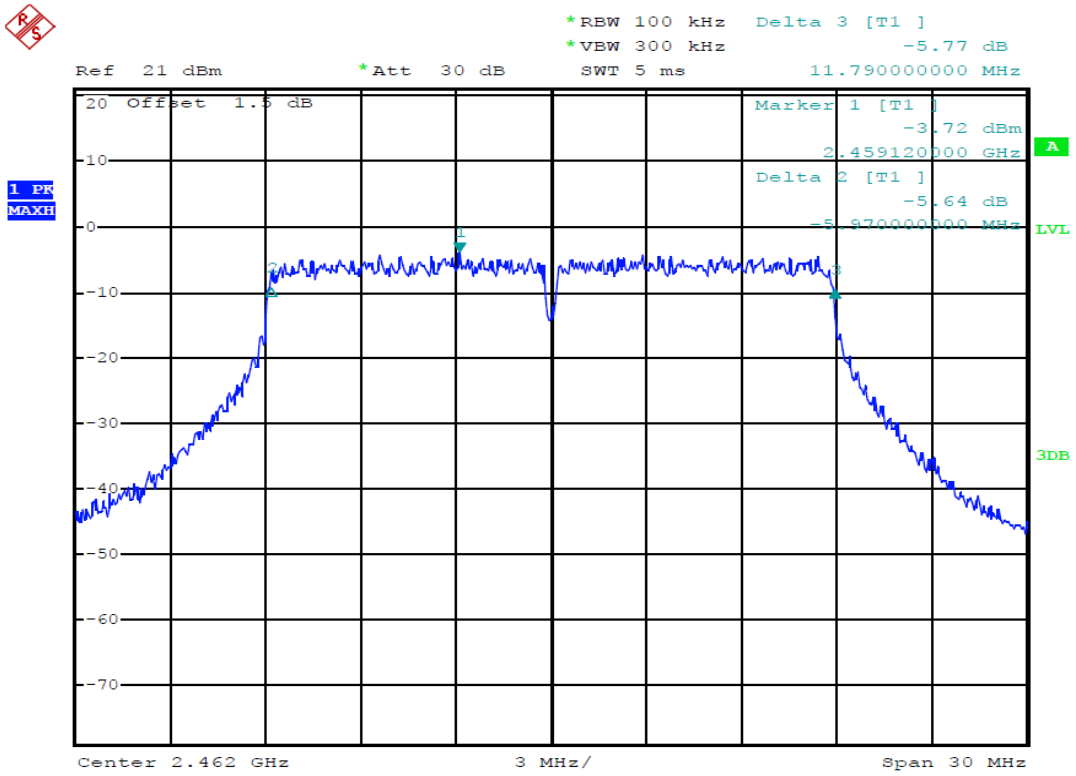
B. Test Plots



(Plot 4.7.3 A: Channel 1: 2412MHz @ 802.11n(20MHz))



(Plot 4.7.3 B: Channel 6: 2437MHz @ 802.11n(20MHz))



(Plot 4.7.3 C: Channel 11: 2462MHz @ 802.11n(20MHz))

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.

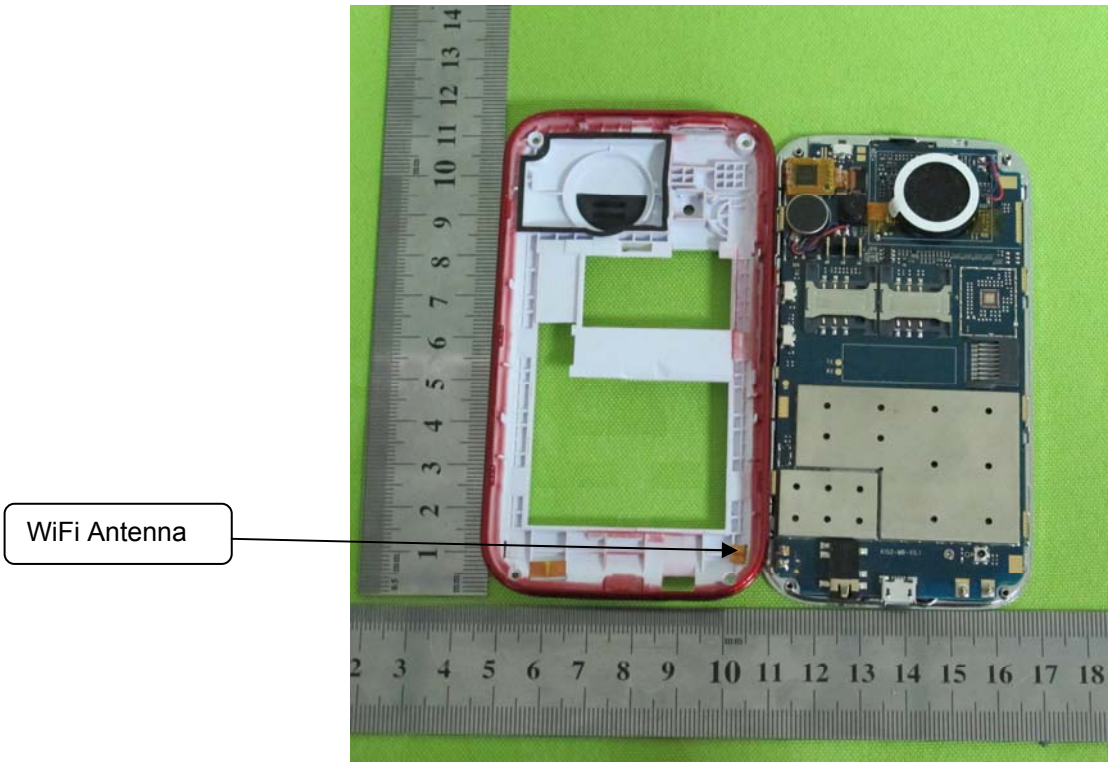
And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

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.

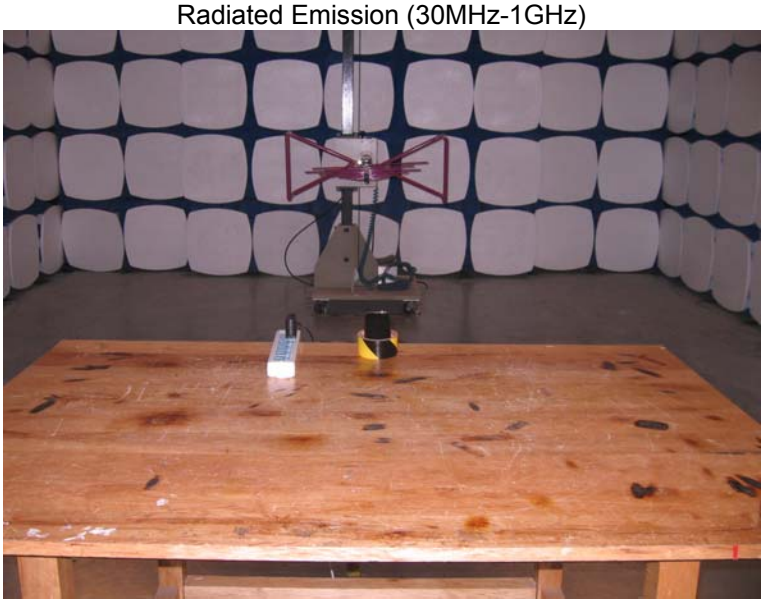
Antenna Connected Construction

The WLAN and Bluetooth sharing same antenna and the maximum antenna gain of WLAN uesed was 1.20 dBi.

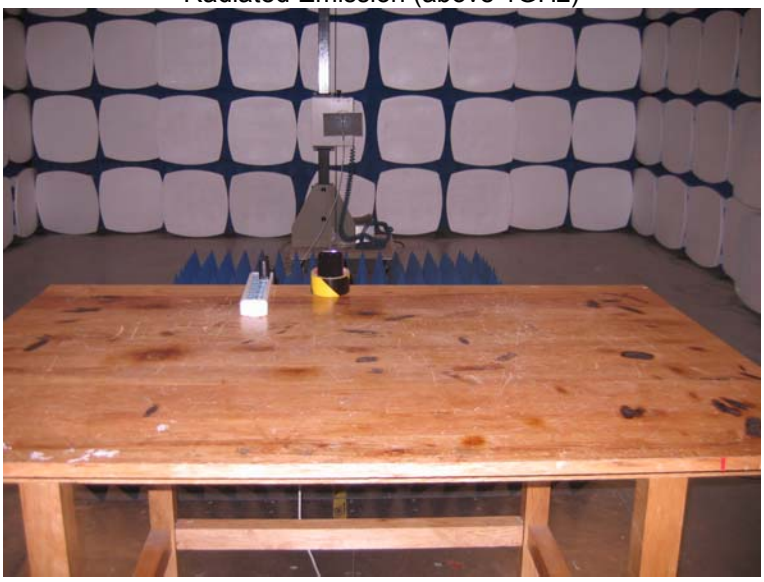


5. Test Setup Photos of the EUT

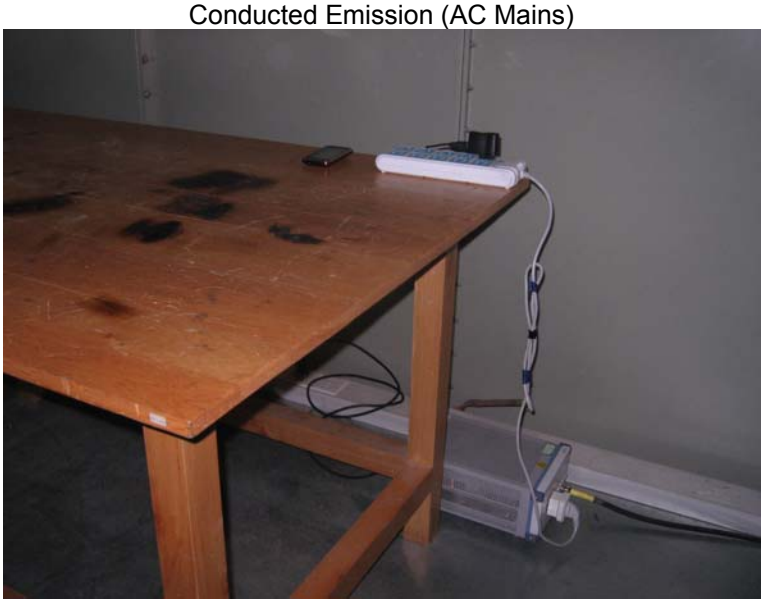
Radiated Emission (30MHz-1GHz)



Radiated Emission (above 1GHz)



Conducted Emission (AC Mains)



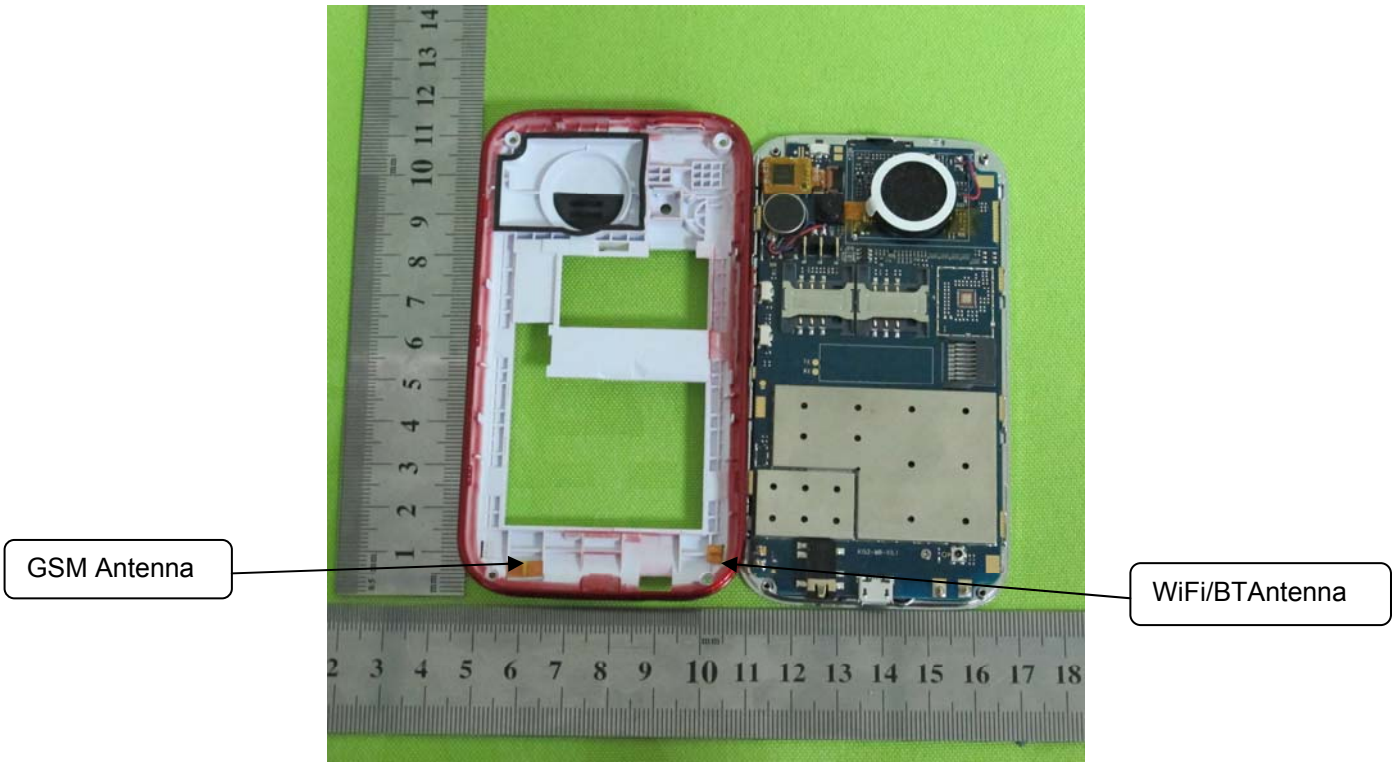
6. External and Internal Photos of the EUT

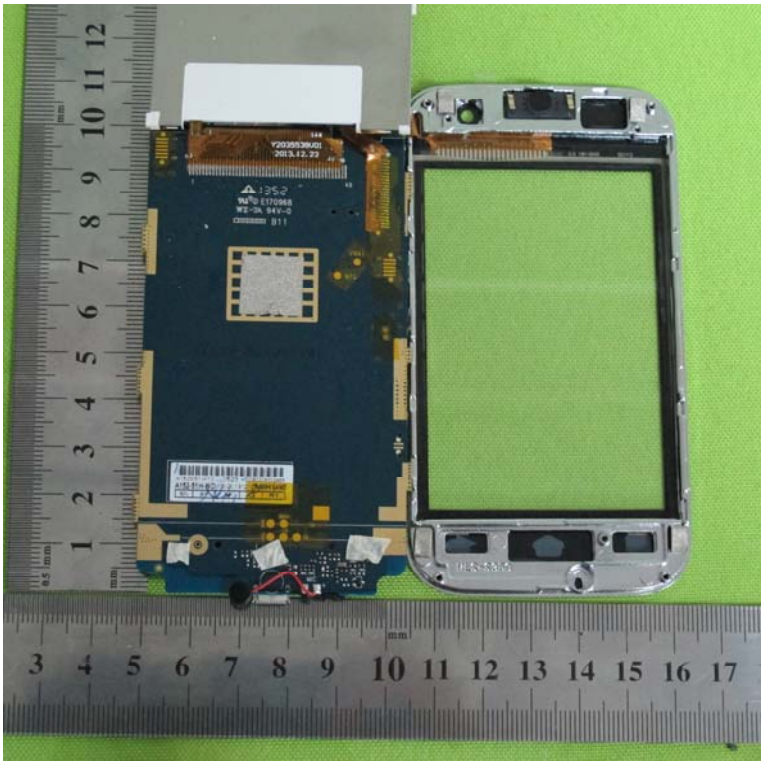
External photos of the EUT

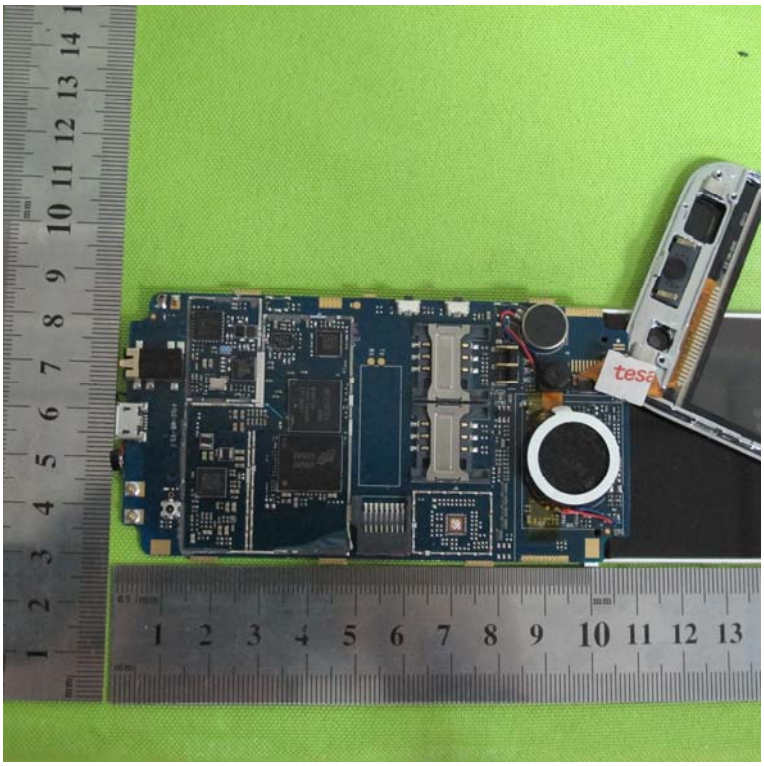

3.7V 800mAh
Limited Charging Voltage: 4.2V
RECHARGABLE LI-ION BATTERY. USE SPECIFIED CHARGER ONLY. MUST BE DISPOSED OF PROPERLY. MAY EXPLODE IF DAMAGED OR DISPOSED OF IN FIRE. DO NOT DISASSEMBLE.BATERIA RECARGABLE DE LI-ION. UTILIZE SOLO EL CARGADOR PROPORCIONADO. ELIMINE LAS BATERIAS USADAS DE ACUERDO CON LAS REGULACIONES DE SU PAIS.NO TIRE LA BATERIA GASTADAS A LABASURA DO MESTICA O FUEGO. NO DESARME LA BATERIA
Stangdard:GB/T 1-800-2321897
Product date:2014-04
Made in P. R. C


SKY
DEVICES
REF:SKY COOL

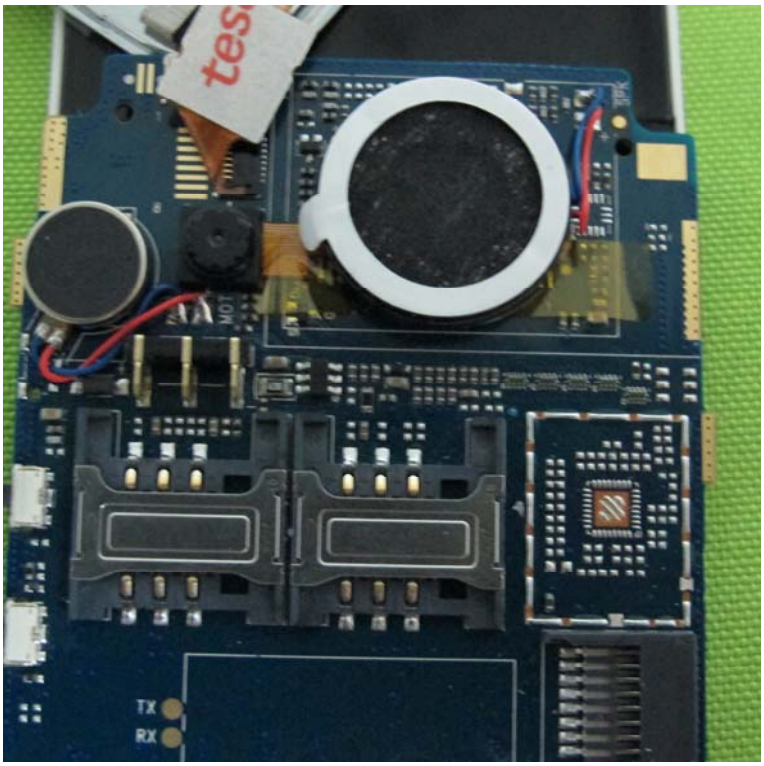
Internal photos of the EUT

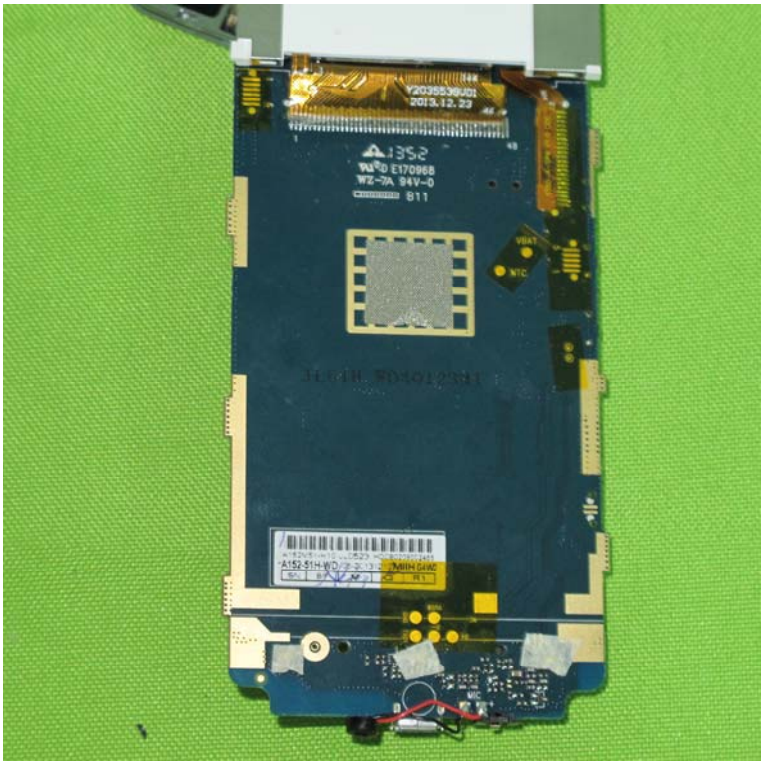







A152-MB-V5.1





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