



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02 FCC

FCC TEST REPORT

Prepared For :	More Star Industrial Group Limited
Product Name:	Tablet PC
Model :	M9706, LPQ-497W, M9718, M9708, M9731, M9732, M9733, M9735, M9736, M9738, M9739
Prepared By :	Shenzhen BATT Testing Technology Co., Ltd. 11F, Bldg.B, Xinbaoyuan, Xianhu Commercial city, Bao'an District, Shenzhen, Guangdong, China. Tel: 86-755-27753991 Fax: 86-755-27754182
Test Date:	Dec 27, 2013 to Jan 09, 2014
Date of Report :	Jan 11, 2014
Report No.:	BATT201401010-02

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TABLE OF CONTENTS

1.0	TEST CERTIFICATION.....	3
2.0	Test Equipment.....	5
3.0	Technical Details.....	7
4.0	Test Lab Details.....	7
5.0	Power Line Conducted Emission Test.....	8
5.1	Schematics of the Test.....	8
5.2	Test Method and Test Procedure.....	8
5.3	Configuration of the EUT.....	8
5.4	EUT Operating Condition.....	9
5.5	Conducted Emission Limit.....	9
5.6	Test Result.....	9
6.0	Radiated Emission test.....	12
6.1	Test Method and Test Procedure.....	12
6.2	Configuration of the EUT.....	12
6.3	EUT Operation Condition.....	12
6.4	Radiated Emission Limit.....	13
7.0	6dB Bandwidth Measurement.....	40
8.0	Maximum Peak Output Power.....	58
9.0	Power Spectral Density Measurement.....	61
10.0	Out of Band Measurement.....	80
11.0	Antenna Requirement.....	91
12.0	FCC ID Label.....	92
13.0	Photo of Test Setup and EUT View.....	93



1 TEST CERTIFICATION

Product:	Tablet PC
Model:	M9706, LPQ-497W, M9718, M9708, M9731, M9732, M9733, M9735, M9736, M9738, M9739
Applicant:	More Star Industrial Group Limited 3&4 F, Block D, ZhuangBian Industrial Park, Gushu, Hangchen Rord, Xi'xiang, Bao'an District, Shenzhen, P.R.C
Factory:	Shen Zhen Banana Technology Co.LTD 3,4,6thF,D Building, Gushu Industrial Park, Zhuangbian Social Park, Xi'xiang Street, Baoyuan Road, Xi'xiang Town, Bao'an District, Shenzhen, P.R.C
Trade Mark:	N/A
Tested:	Dec 27, 2013 to Jan 09, 2014
Test Voltage:	DC12V Powered by power supply
Operational Frequency Range:	IEEE 802.11b/g, 802.11n HT20: 2412-2462MHz IEEE 802.11n HT40 : 2422MHz-2452MHz
Modulation Type:	IEEE 802.11b : DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g : OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20/40 : OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing	IEEE 802.11b/g/n: 5MHz
Air Data Rate	IEEE 802.11b : 11, 5.5, 2, 1 Mbps IEEE 802.11g : 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11n HT20 : 150, 117 ,104, 78, 65, 58.5, 52, 39, 26, 19.5, 13, 6 Mbps IEEE 802.11n HT40 : 150, 117 ,104, 78, 65, 58.5, 52, 39, 26, 19.5, 13, 6 Mbps
Frequency Selection	By software
Channel Number	IEEE 802.11b/g ,802.11n HT20 : 11 Channels IEEE 802.11n HT40 : 7 Channels
Antenna:	Integral Antenna used, the antenna gain is 1.97dBi
Power Supply:	Model No.: FJ-SW1202000N Input: 100-240V, 50/60Hz, 0.6A Max; Output: DC12V, 2000mA
FCC ID:	2AAQL-M9706
Applicable Standards:	FCC Part 15.247

The test report was prepared by Shenzhen BATT Testing Technology Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Prepared by :

Hellen Xiao

Hellen Xiao/Assistant

Reviewer :

Mike Yong

Mike Yong/Supervisor

Approved & Authorized Signer :

Jones Song

Jones Song/ Manager



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

2.0 Test Equipments					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	ROHDE&SCHWARZ	ESPI 3	100379	2013-08-27	2014-08-26
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100294	2013-08-27	2014-08-26
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100253	2013-08-27	2014-08-26
Ultra Broadband ANT	ROHDE&SCHWARZ	HL562	100157	2013-08-27	2014-08-26
ESDV Test Receiver	ROHDE&SCHWARZ	ESDV	100008	2013-08-27	2014-08-26
Impuls-Begrenzer	ROHDE&SCHWARZ	ESH3-Z2	100281	2013-08-27	2014-08-26
System Controller	CT	SC100	-	--	--
Printer	EPSON	PHOTO EX3	CFNH234850	--	--
Computer	IBM	8434	1S8434KCE99BL XLO*	-	-
Loop Antenna	EMCO	6502	00042960	2013-08-27	2014-08-26
Test Receiver	ROHDE&SCHWARZ	ESI26	838786/013	2013-08-27	2014-08-26
3m OATS	--	--	N/A	2013-08-27	2014-08-26
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170265	2013-08-27	2014-08-26
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-631	2013-08-27	2014-08-26
Power meter	Anritsu	ML2487A	6K00003613	2013-08-27	2014-08-26
Power sensor	Anritsu	MA2491A	32263	2013-08-27	2014-08-26
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2013-08-27	2014-08-26
LISN	AFJ	LS16C	10010947251	2013-08-27	2014-08-26
LISN (Three Phase)	Schwarebeck	NSLK 8126	8126453	2013-08-27	2014-08-26
9*6*6 Anechoic	--	--	N/A	2013-08-27	2014-08-26
EMI Test Receiver	RS	ESCS30	100139	2013-08-27	2014-08-26
LISN	AFJ	LS16C	10010947251	2013-08-27	2014-08-26



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

LISN (Three Phase)	Schwarebeck	NSLK 8126	8126453	2013-08-27	2014-08-26
Pre-Amplifier	A.H.	PAM-0126	1415261	2013-08-27	2014-08-26



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.107 & 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	PASS	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	PASS	Complies
FCC Part 15, Paragraph 15.109,15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	PASS	Complies

4.0 Test LAB Details

All Tests Performed at

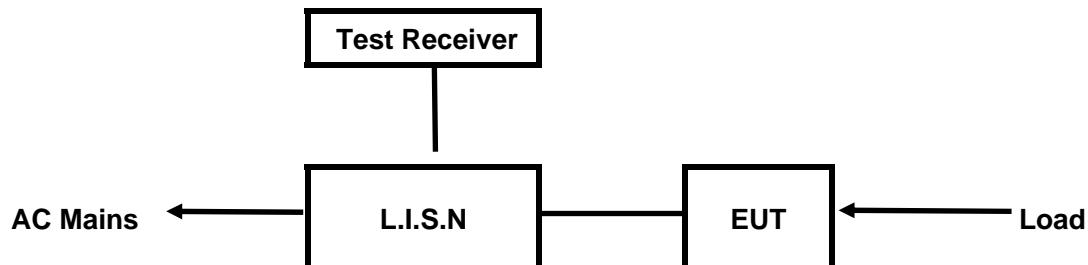
Name: Shenzhen Emtek Co., Ltd.

Address: Bldg. 69, Majialong Industry Zone,,Nanshan District,Shenzhen, Guangdong, 518052China

FCC Registration Number: 406365

5. Power Line Conducted Emission Test

5.1 Schematics of the test

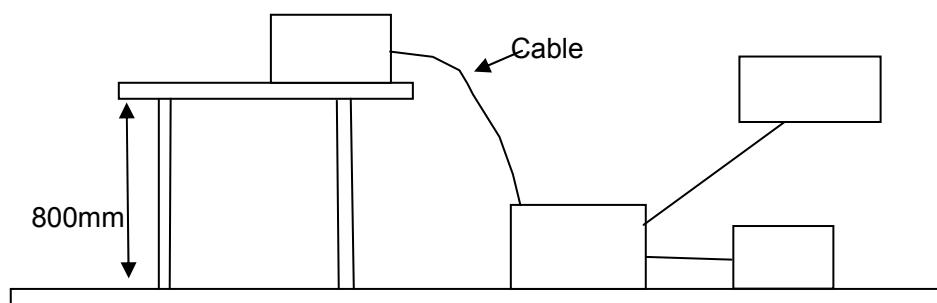


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2003.

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2003. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Tablet PC	Shen Zhen Banana Technology Co.LTD	M9706, LPQ-497W, M9718, M9708, M9731, M9732, M9733, M9735, M9736, M9738, M9739	2AAQL-M9706



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	FCC ID/DOC	Cable
--	--	--	--	--

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2003.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.107, 15.207

Frequency (MHz)	Class A Limits (dB μ V)		Class B Limits (dB μ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	73.0	60.0	56.0	46.0
5.00 ~ 30.00	73.0	60.0	60.0	50.0

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

A: **Conducted Emission on Live Terminal (150kHz to 30MHz)**

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Keep WIFI Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dB μ V)		Limit(dB μ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.426	Live	44.49	23.09	57.32	47.32
0.153	Live	56.40	32.40	65.81	55.81
0.178	Live	49.01	31.01	64.58	54.58
1.220	Live	33.28	15.48	56.00	46.00
4.055	Live	32.46	13.96	56.00	46.00
11.062	Live	32.47	13.47	60.00	50.00



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Keep WIFI Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



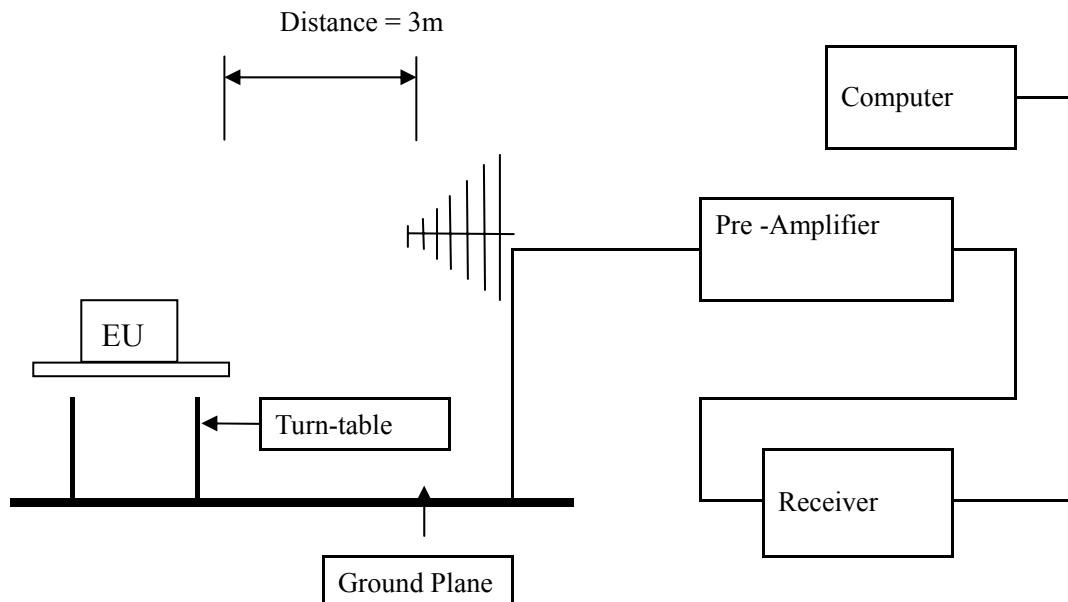
Frequency (MHz)	Line	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average
0.154	Neutral	53.24	34.34	65.77	55.77
0.426	Neutral	45.91	26.61	57.32	47.32
1.220	Neutral	37.28	19.48	56.00	46.00
2.311	Neutral	33.72	14.82	56.00	46.00
10.187	Neutral	39.78	12.88	60.00	50.00

6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.4 –2003. The radiated test was performed at Shenzhen Emtek Co., Ltd.. This site is on file with the FCC laboratory division, Registration No.406365
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-2003.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization : Vertical polarization and Horizontal polarization.

Block diagram of Test setup



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.



6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Frequencies in restricted band are complied to limit on Paragraph 15.209 and 15.109

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage (dB μ V) = 20 log RF Voltage (uV)

2. In the Above Table, the higher limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
4. This is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

**Test result****General Radiated Emission Data and Harmonics Radiated Emission Data****Radiated Emission In Horizontal (30MHz----1000MHz)**

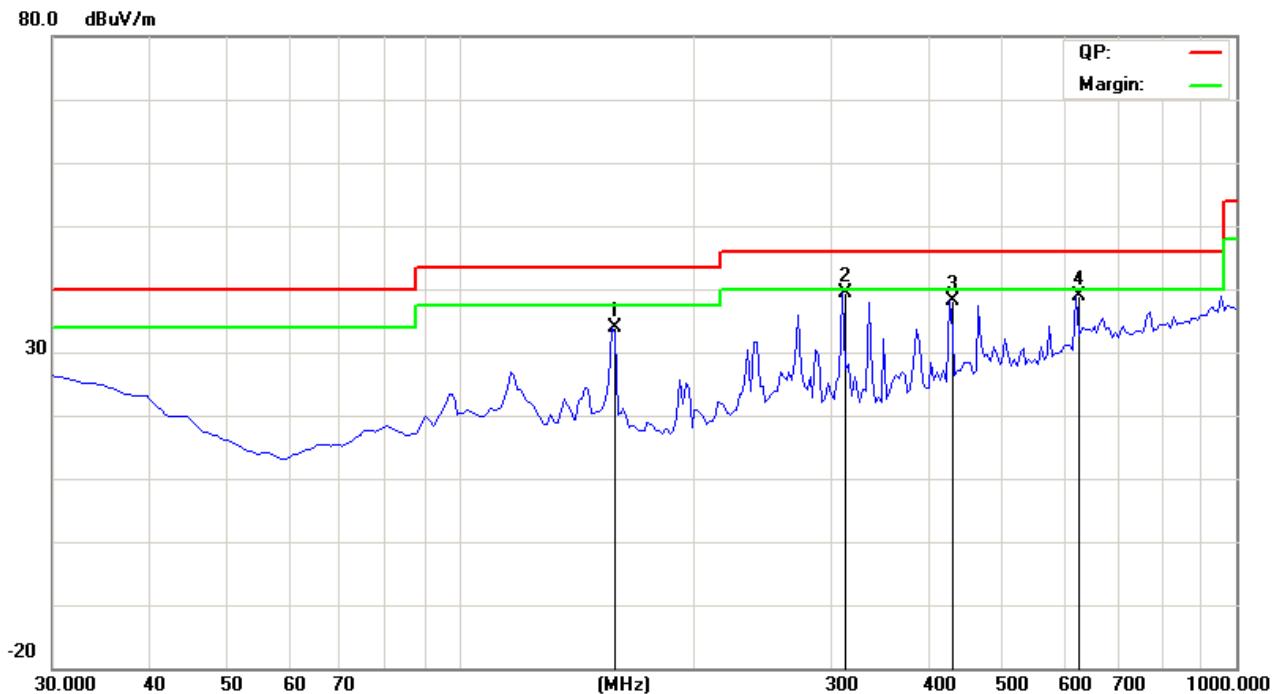
EUT set Condition: Keep Transmitting

Results: **Pass**

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
158.525	33.89	H	43.50
313.725	39.43	H	46.00
430.125	38.04	H	46.00
624.125	38.94	H	46.00
313.725	44.26	V	46.00
337.975	42.99	V	46.00
769.625	42.98	V	46.00

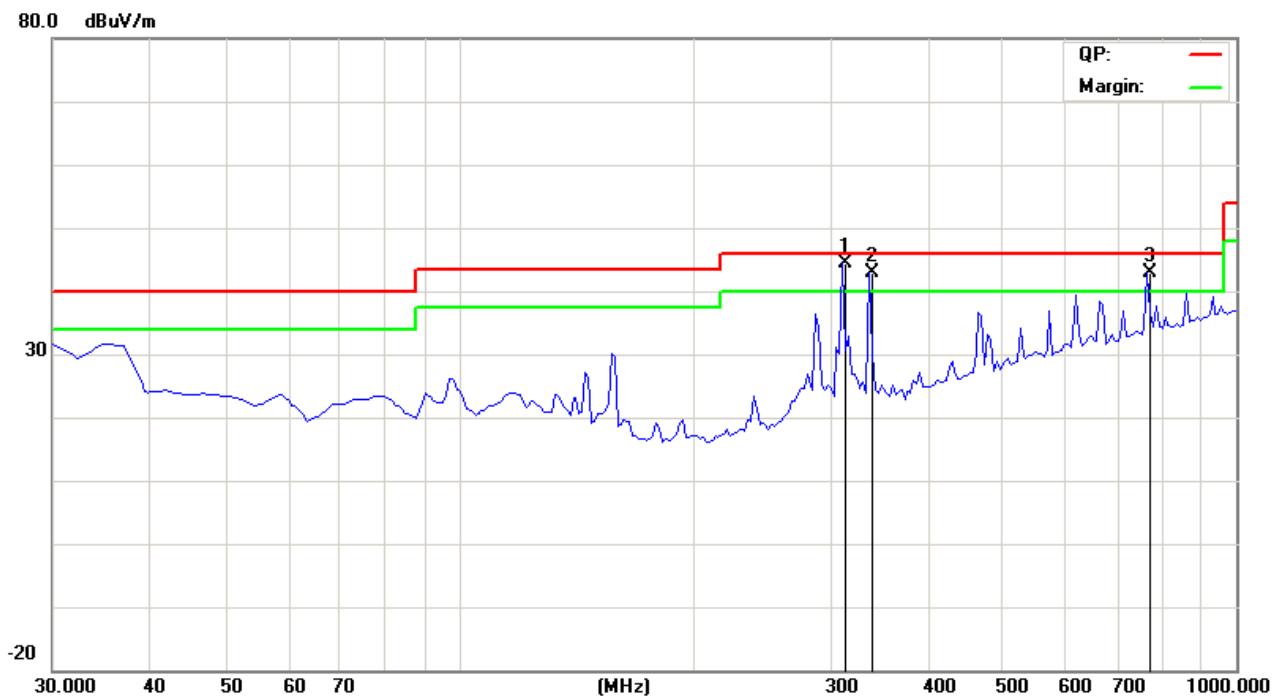
Test Figure:

H



Test Figure:

V





Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Operation Mode: Transmitting under CH01 for 11b at 11Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2412.00	92.31 (PK)	H	Fundamental Frequency
2412.00	92.26 (PK)	V	
4824.00	47.82 (PK)	H	--
4824.00	47.59 (PK)	V	
7236.00	--	H/V	74(Peak)/ 54(AV)
9648.00	--	H/V	74(Peak)/ 54(AV)
12060	--	H/V	74(Peak)/ 54(AV)
14472	--	H/V	74(Peak)/ 54(AV)
16884	--	H/V	74(Peak)/ 54(AV)
19296	--	H/V	74(Peak)/ 54(AV)
21708	--	H/V	74(Peak)/ 54(AV)
24120	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11b mode at 11Mbps



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Operation Mode: Transmitting under CH06 for 11b at 11Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2437.00	93.63 (PK)	H	Fundamental Frequency
2437.00	93.15 (PK)	V	
4874.00	47.12 (PK)	H	--
4874.00	47.81 (PK)	V	
7311.00	--	H/V	74(Peak)/ 54(AV)
9748.00	--	H/V	74(Peak)/ 54(AV)
12185	--	H/V	74(Peak)/ 54(AV)
14622	--	H/V	74(Peak)/ 54(AV)
17059	--	H/V	74(Peak)/ 54(AV)
19496	--	H/V	74(Peak)/ 54(AV)
21933	--	H/V	74(Peak)/ 54(AV)
24370	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11b mode at 11Mbps



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Operation Mode: Transmitting under CH11 for 11b at 11Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2462.00	92.38 (PK)	H	Fundamental Frequency
2462.00	94.17 (PK)	V	
4924	48.72 (PK)	H	--
4924	48.13 (PK)	V	
7386	--	H/V	74(Peak)/ 54(AV)
9848	--	H/V	74(Peak)/ 54(AV)
12310	--	H/V	74(Peak)/ 54(AV)
14772	--	H/V	74(Peak)/ 54(AV)
17234	--	H/V	74(Peak)/ 54(AV)
19696	--	H/V	74(Peak)/ 54(AV)
22158	--	H/V	74(Peak)/ 54(AV)
24650	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11b mode at 11Mbps

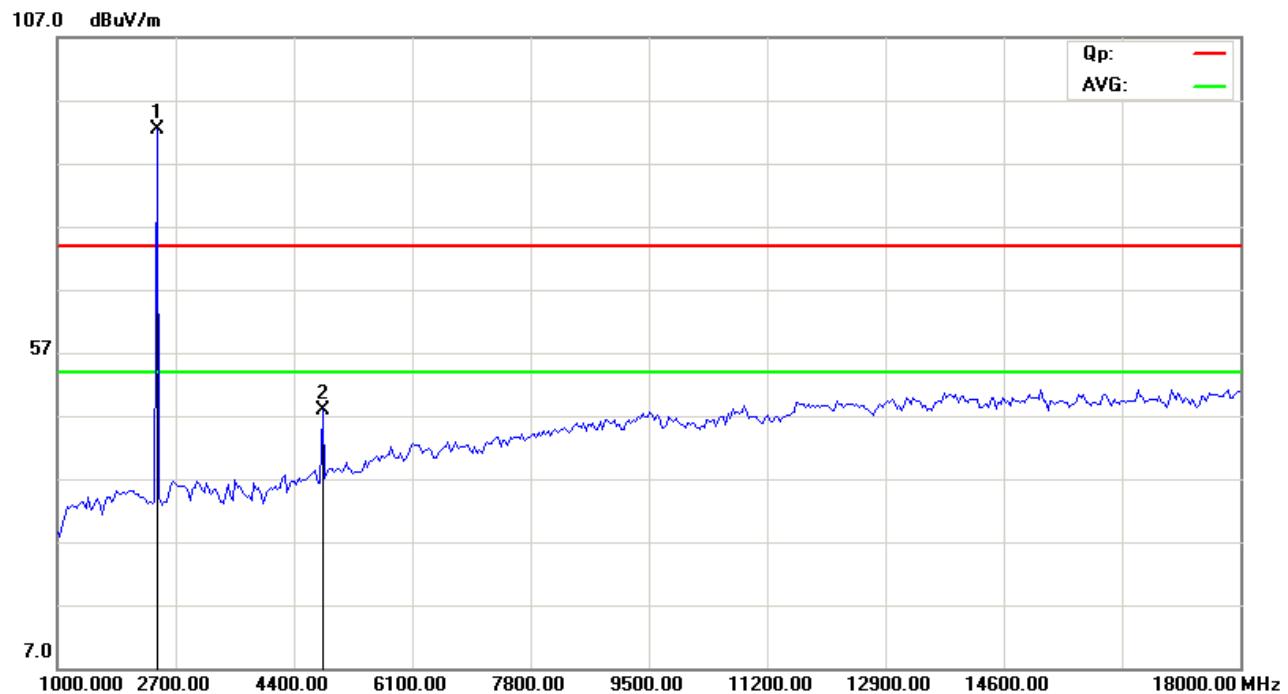


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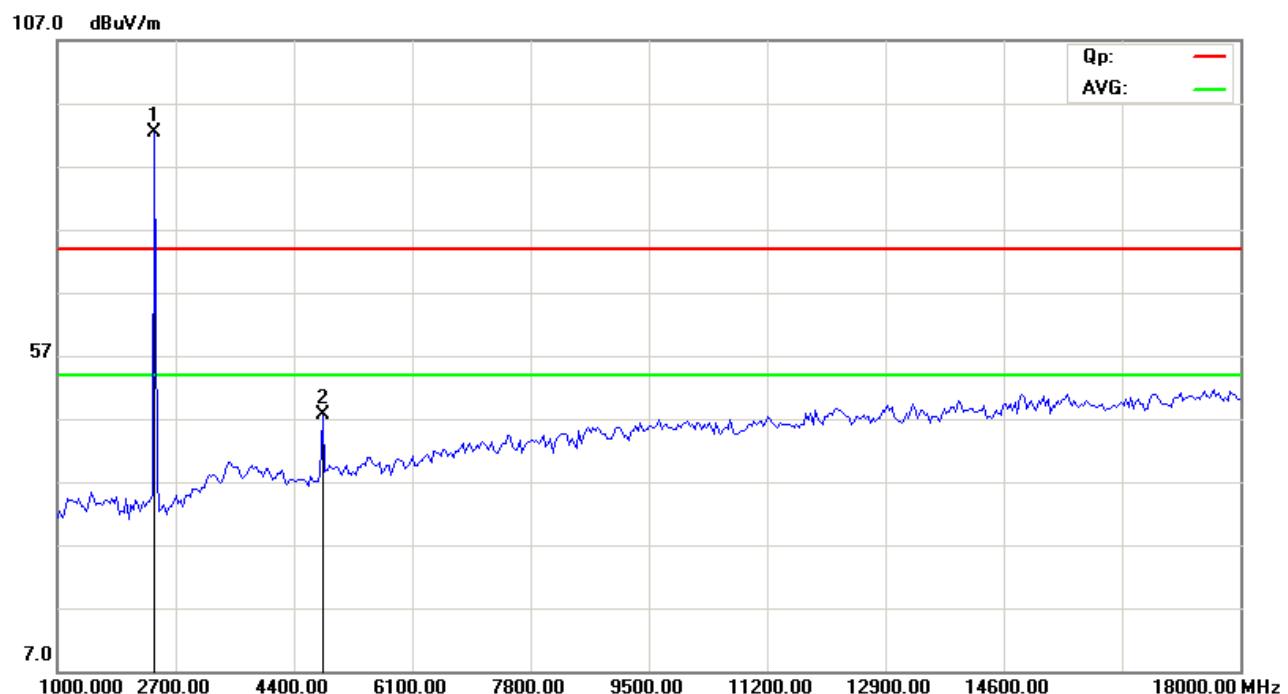
Report No.: BATT201401010-02

Please refer to the following test plots for details:

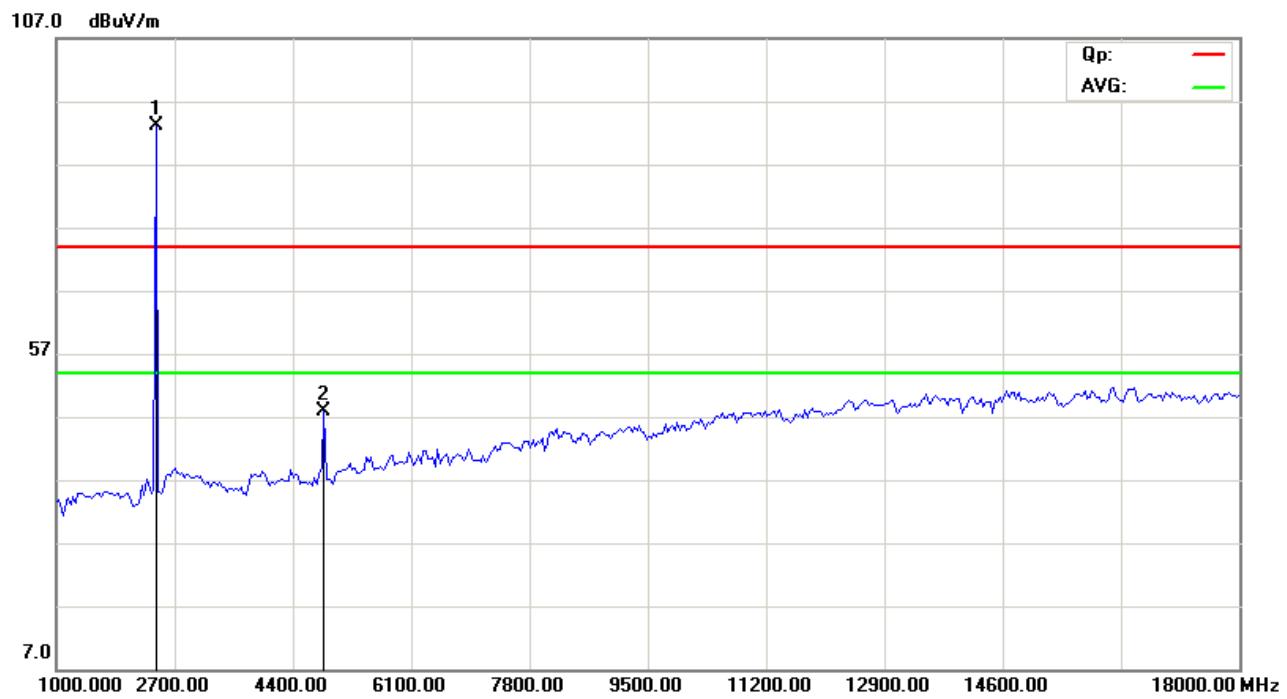
CH01 at 11Mbps: Horizontal



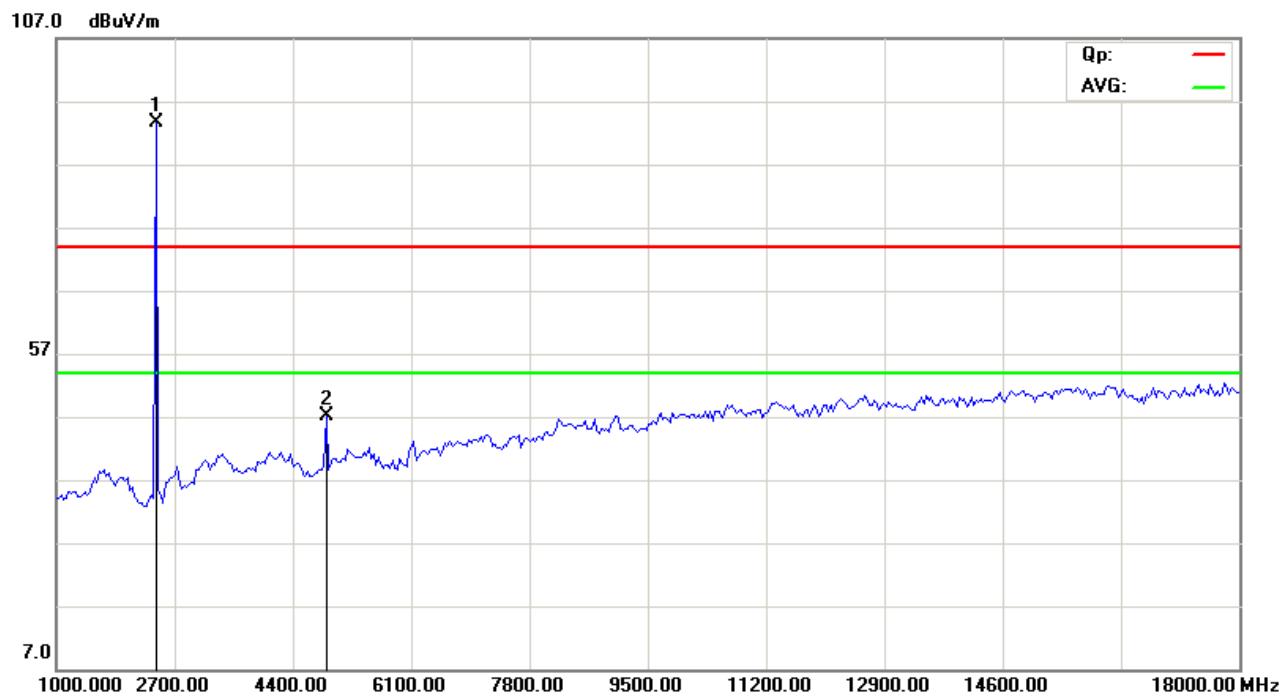
CH01 at 11Mbps: Vertical



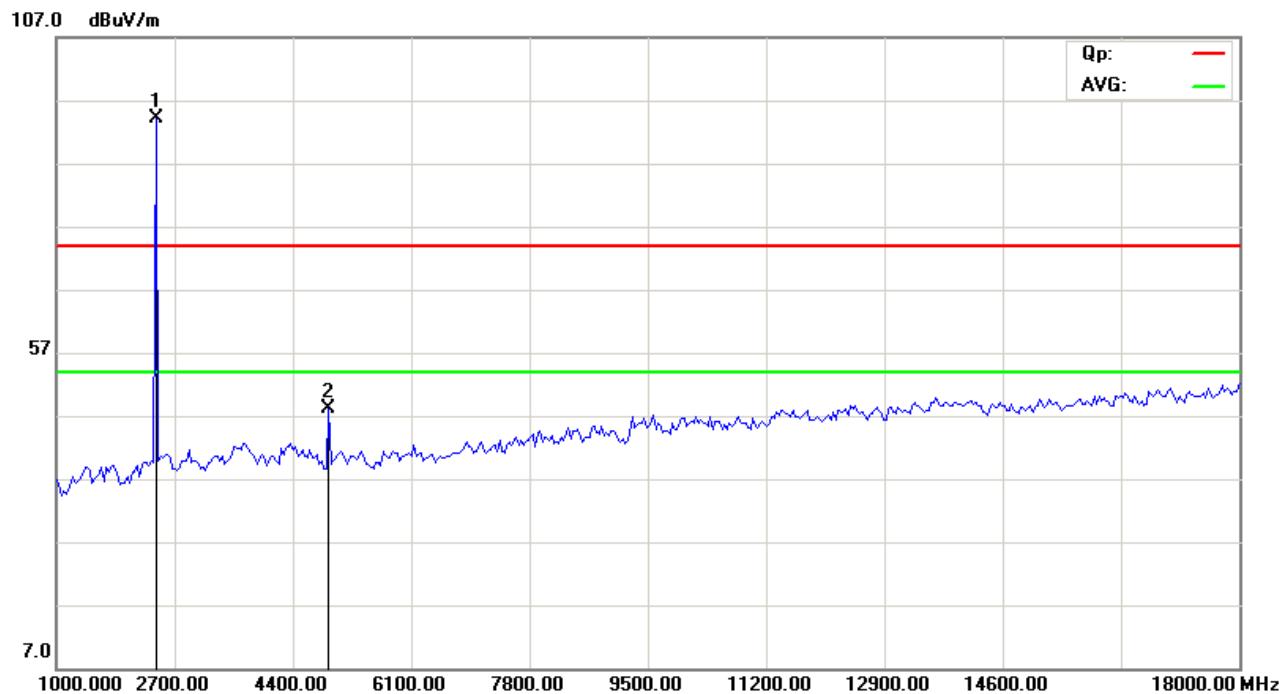
CH06 at 11Mbps: Vertical



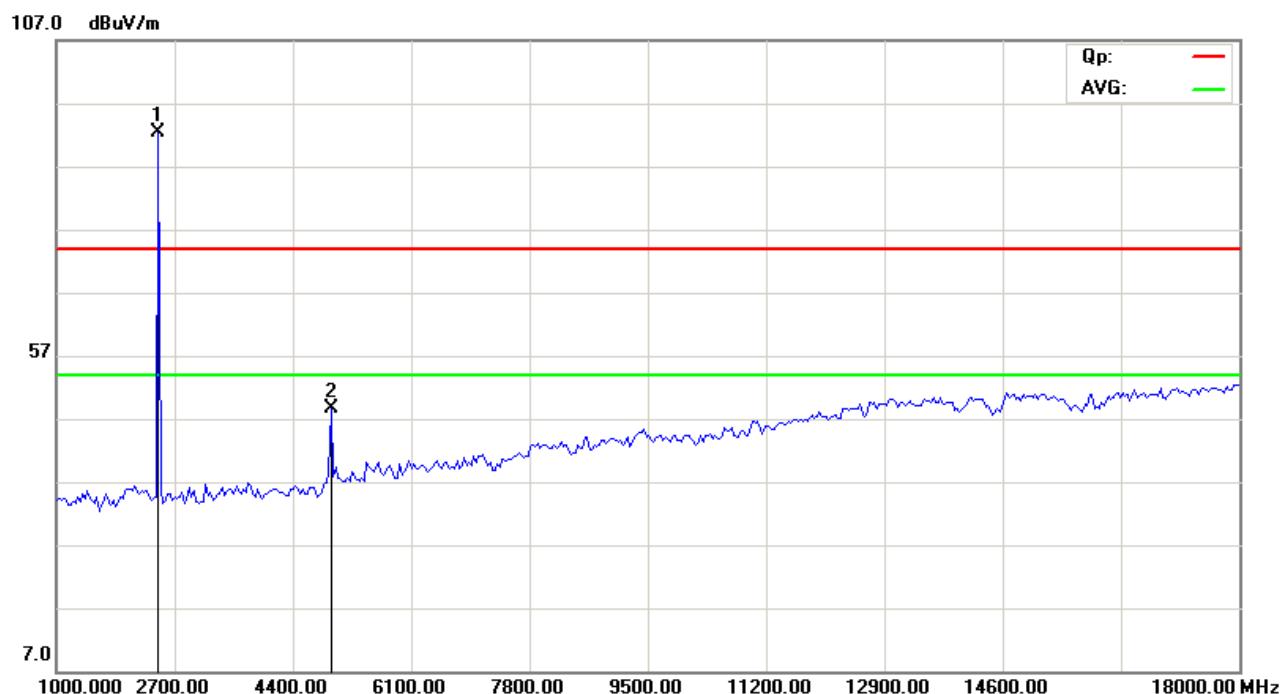
CH06 at 11Mbps: Horizontal



CH11 at 11Mbps: Vertical



CH11 at 11Mbps: Horizontal



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

**Operation Mode: Transmitting under CH01 for 11g at 54 Mbps**

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2412.00	92.24 (PK)	H	Fundamental Frequency
2412.00	92.10 (PK)	V	
4824.00	48.28 (PK)	H	--
4824.00	48.32 (PK)	V	
7236.00	--	H/V	74(Peak)/ 54(AV)
9648.00	--	H/V	74(Peak)/ 54(AV)
12060	--	H/V	74(Peak)/ 54(AV)
14472	--	H/V	74(Peak)/ 54(AV)
16684	--	H/V	74(Peak)/ 54(AV)
19296	--	H/V	74(Peak)/ 54(AV)
21708	--	H/V	74(Peak)/ 54(AV)
24120	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

3. For 802.11g mode 54Mbps



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Operation Mode: Transmitting under CH06 for 11g at 54 Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2437.00	94.38 (PK)	H	Fundamental Frequency
2437.00	94.20 (PK)	V	
4874.00	48.47 (PK)	H	--
4874.00	48.57 (PK)	V	
7311.00	--	H/V	74(Peak)/ 54(AV)
9748.00	--	H/V	74(Peak)/ 54(AV)
12185	--	H/V	74(Peak)/ 54(AV)
14622	--	H/V	74(Peak)/ 54(AV)
17059	--	H/V	74(Peak)/ 54(AV)
19496	--	H/V	74(Peak)/ 54(AV)
21933	--	H/V	74(Peak)/ 54(AV)
24370	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11g mode 54Mbps



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

Operation Mode: Transmitting under CH11 for 11g at 54 Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2462.00	92.93 (PK)	H	Fundamental Frequency
2462.00	92.36 (PK)	V	
4924	47.58 (PK)	H	--
4924	47.64 (PK)	V	
7386	--	H/V	74(Peak)/ 54(AV)
9848	--	H/V	74(Peak)/ 54(AV)
12310	--	H/V	74(Peak)/ 54(AV)
14772	--	H/V	74(Peak)/ 54(AV)
17234	--	H/V	74(Peak)/ 54(AV)
19696	--	H/V	74(Peak)/ 54(AV)
22158	--	H/V	74(Peak)/ 54(AV)
24650	--	H/V	74(Peak)/ 54(AV)

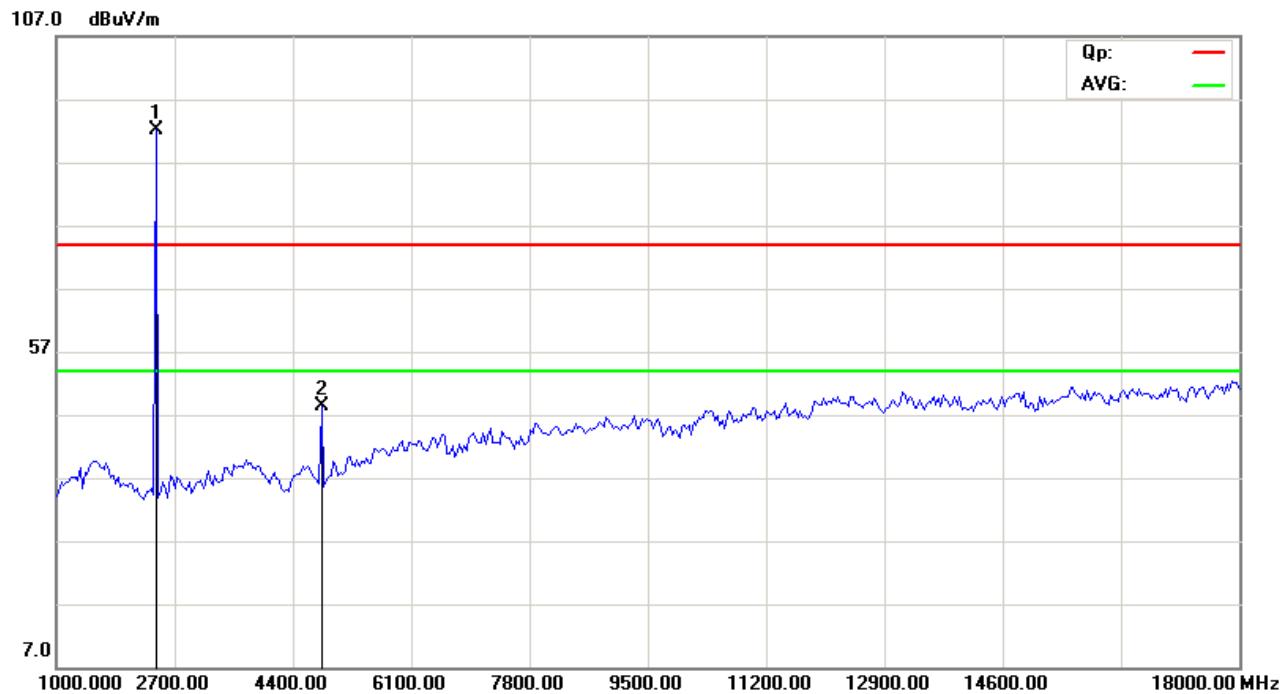
Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

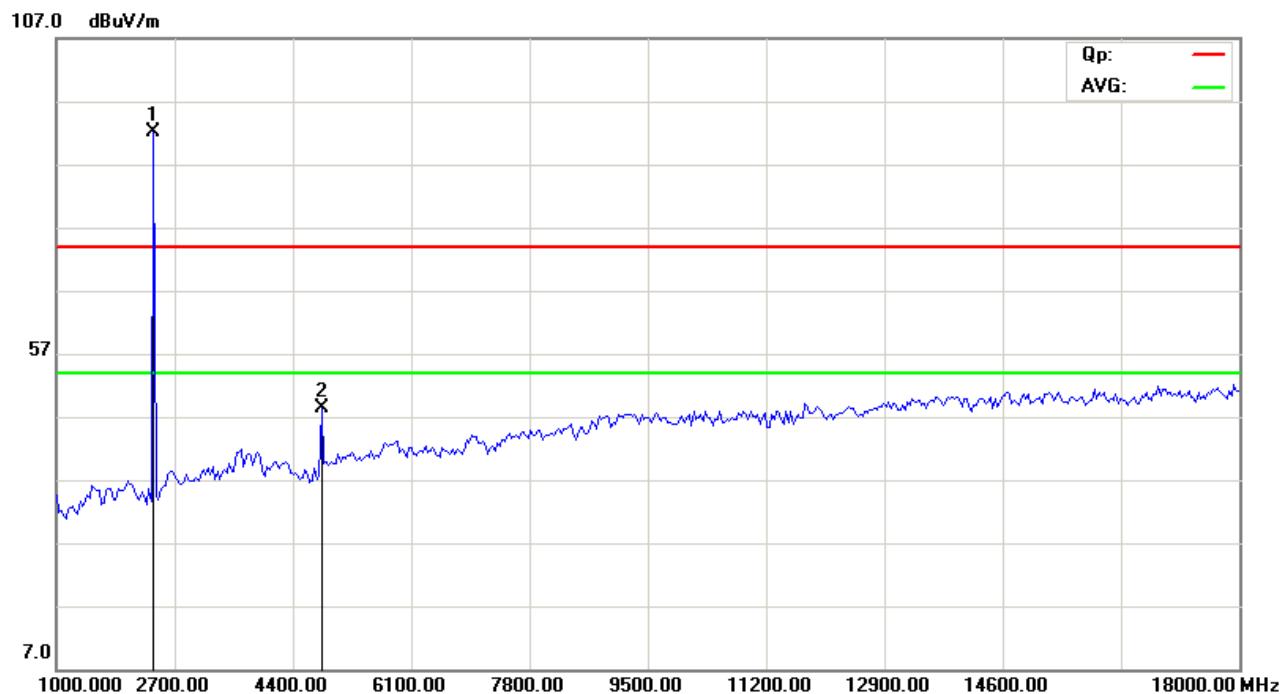
3. For 802.11g mode 54Mbps

Please refer to the following test plots for details:

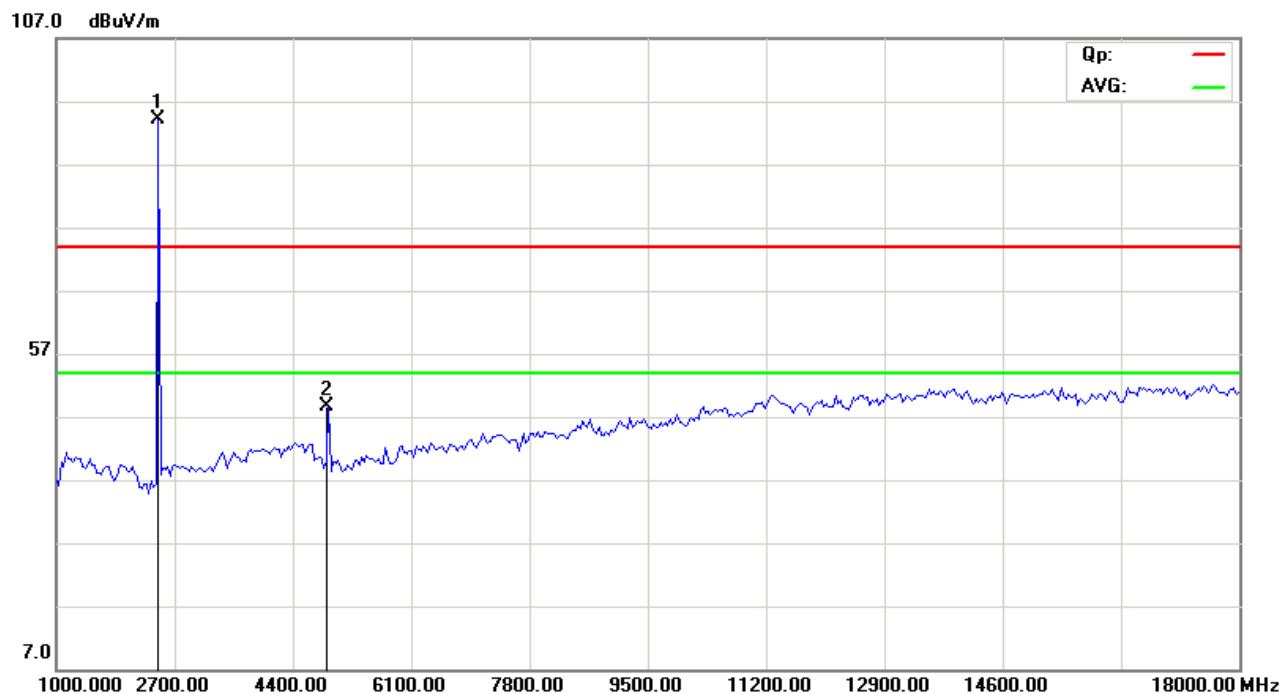
CH01 at 54Mbps: Horizontal



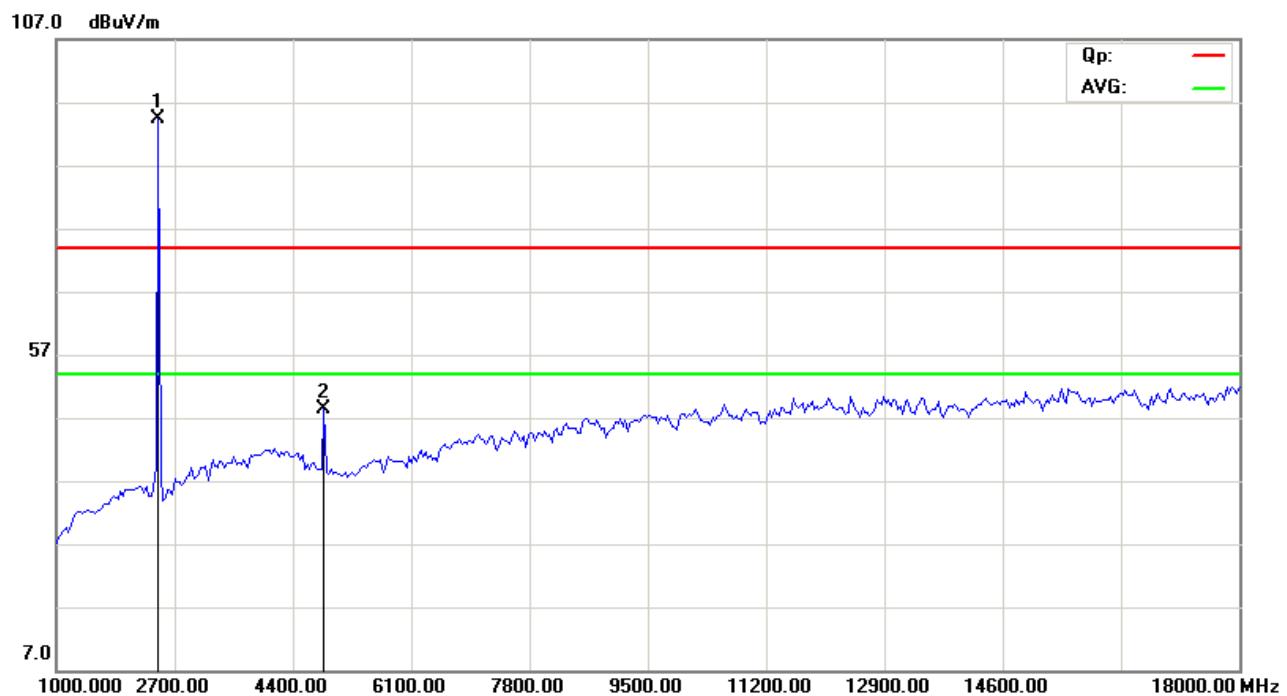
CH01 at 54Mbps: Vertical

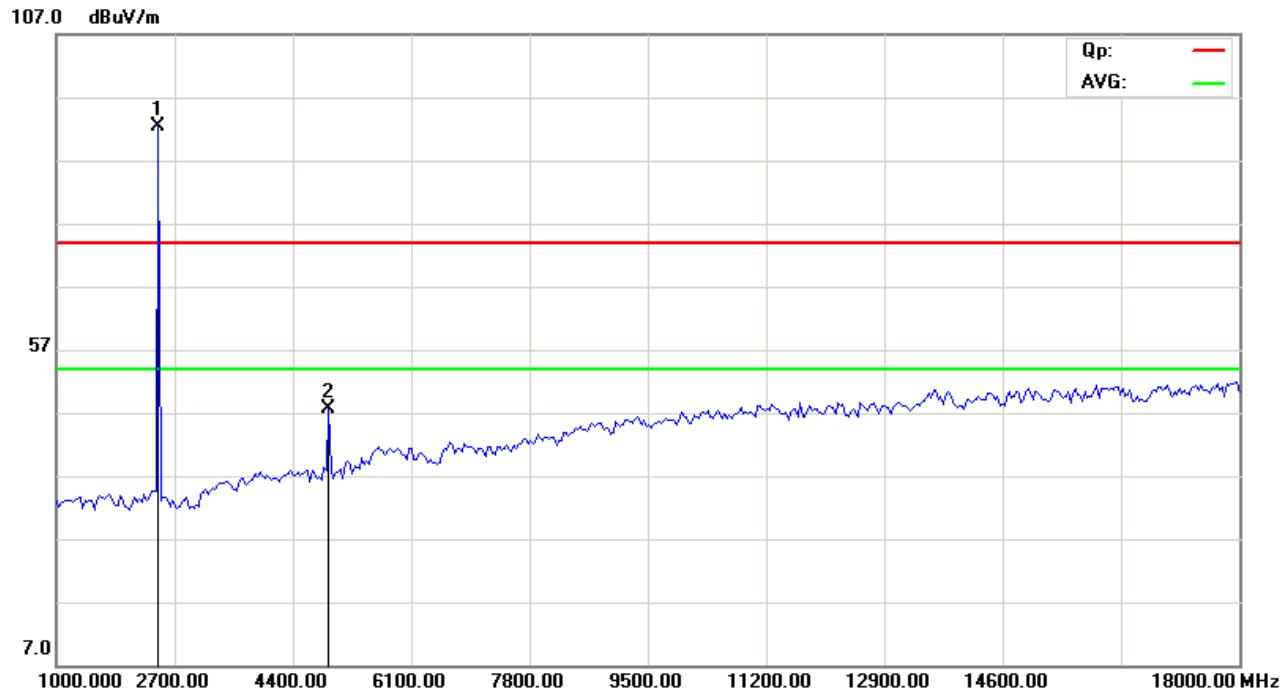
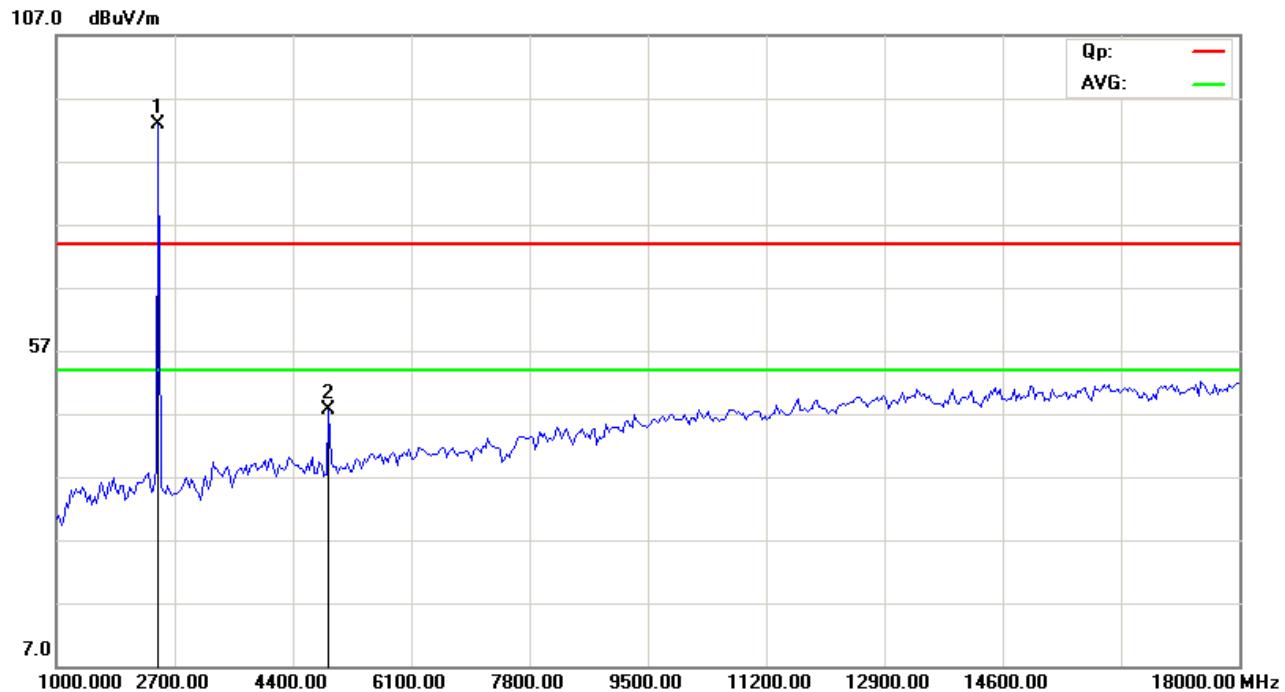


CH06 at 54Mbps: Vertical



CH06 at 54Mbps: Horizontal



**CH11 at 54Mbps: Vertical****CH11 at 54 Mbps: Horizontal**

Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

**Operation Mode: Transmitting under CH01 for 11n HT20 at 65Mbps**

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2412.00	94.36 (PK)	H	Fundamental Frequency
2412.00	94.42 (PK)	V	
4824.00	46.85 (PK)	H	74(Peak)/ 54(AV)
4824.00	48.60 (PK)	V	74(Peak)/ 54(AV)
7236.00	--	H/V	74(Peak)/ 54(AV)
9648.00	--	H/V	74(Peak)/ 54(AV)
12060	--	H/V	74(Peak)/ 54(AV)
14472	--	H/V	74(Peak)/ 54(AV)
16684	--	H/V	74(Peak)/ 54(AV)
19296	--	H/V	74(Peak)/ 54(AV)
21708	--	H/V	74(Peak)/ 54(AV)
24120	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

3. For 802.11n HT20 at 65Mbps



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Report No.: BATT201401010-02

Operation Mode: Transmitting under CH06 for 11n HT20 at 65Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2437.00	92.55 (PK)	H	Fundamental Frequency
2437.00	92.51 (PK)	V	
4874.00	47.54 (PK)	H	74(Peak)/ 54(AV)
4874.00	47.69 (PK)	V	74(Peak)/ 54(AV)
7311.00	--	H/V	74(Peak)/ 54(AV)
9748.00	--	H/V	74(Peak)/ 54(AV)
12185	--	H/V	74(Peak)/ 54(AV)
14622	--	H/V	74(Peak)/ 54(AV)
17059	--	H/V	74(Peak)/ 54(AV)
19496	--	H/V	74(Peak)/ 54(AV)
21933	--	H/V	74(Peak)/ 54(AV)
24370	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

3. For 802.11n HT20 at 65bps



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Report No.: BATT201401010-02

Operation Mode: Transmitting under CH11 for 11n HT20 at 65Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2462.00	93.12 (PK)	H	Fundamental Frequency
2462.00	93.81 (PK)	V	
4924	48.69 (PK)	H	74(Peak)/ 54(AV)
4924	47.64 (PK)	V	74(Peak)/ 54(AV)
7386	--	H/V	74(Peak)/ 54(AV)
9848	--	H/V	74(Peak)/ 54(AV)
12310	--	H/V	74(Peak)/ 54(AV)
14772	--	H/V	74(Peak)/ 54(AV)
17234	--	H/V	74(Peak)/ 54(AV)
19696	--	H/V	74(Peak)/ 54(AV)
22158	--	H/V	74(Peak)/ 54(AV)
24650	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

3. For 802.11n HT20 at 65bps

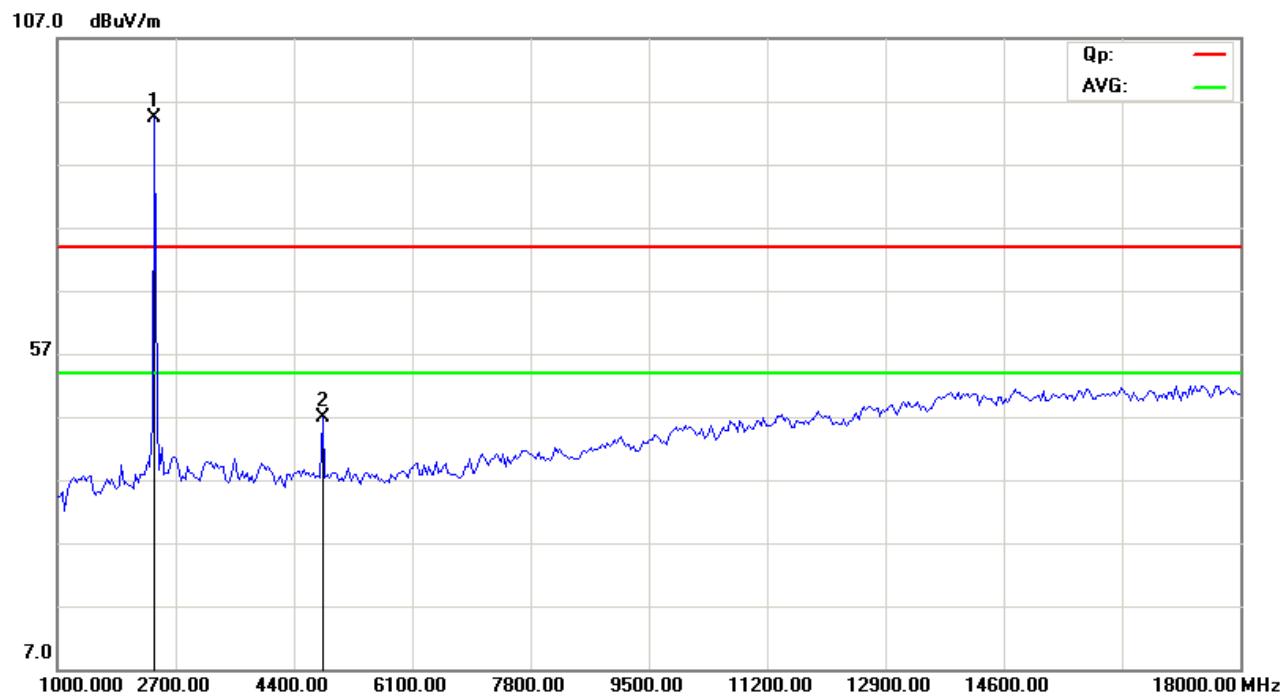


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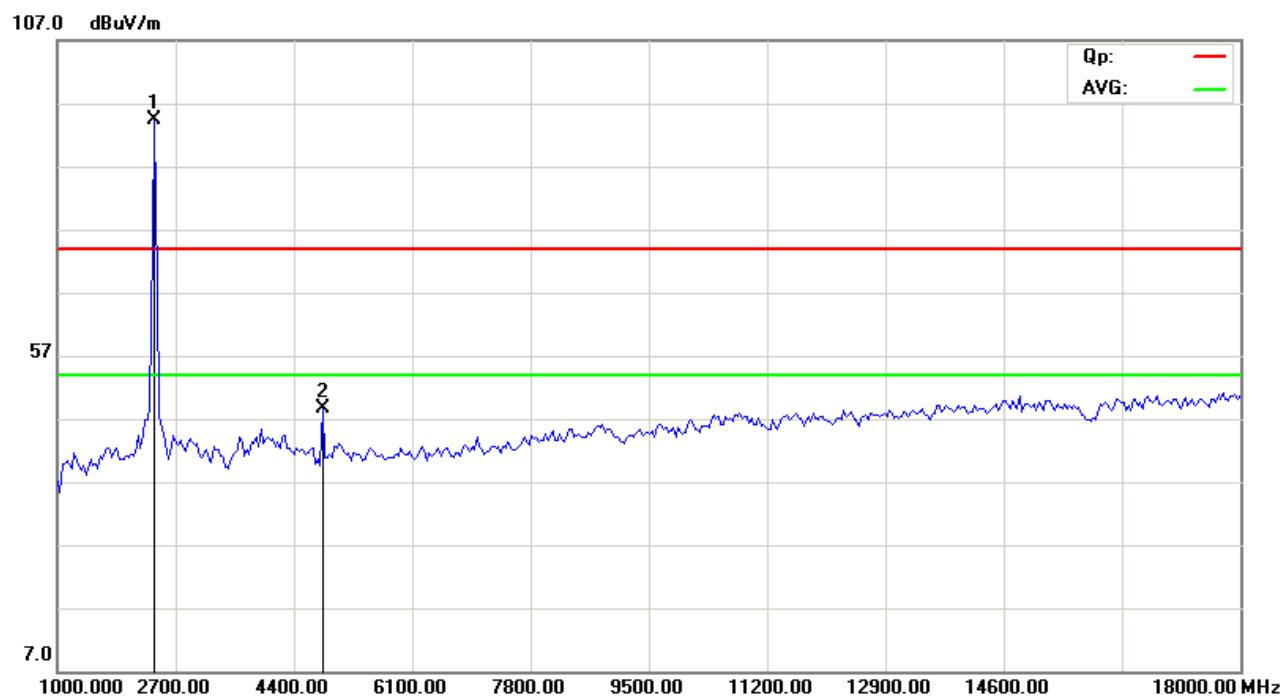
Report No.: BATT201401010-02

Please refer to the following test plots for details:

CH01 at 11n HT20: Horizontal



CH01 at 11n HT20: Vertical

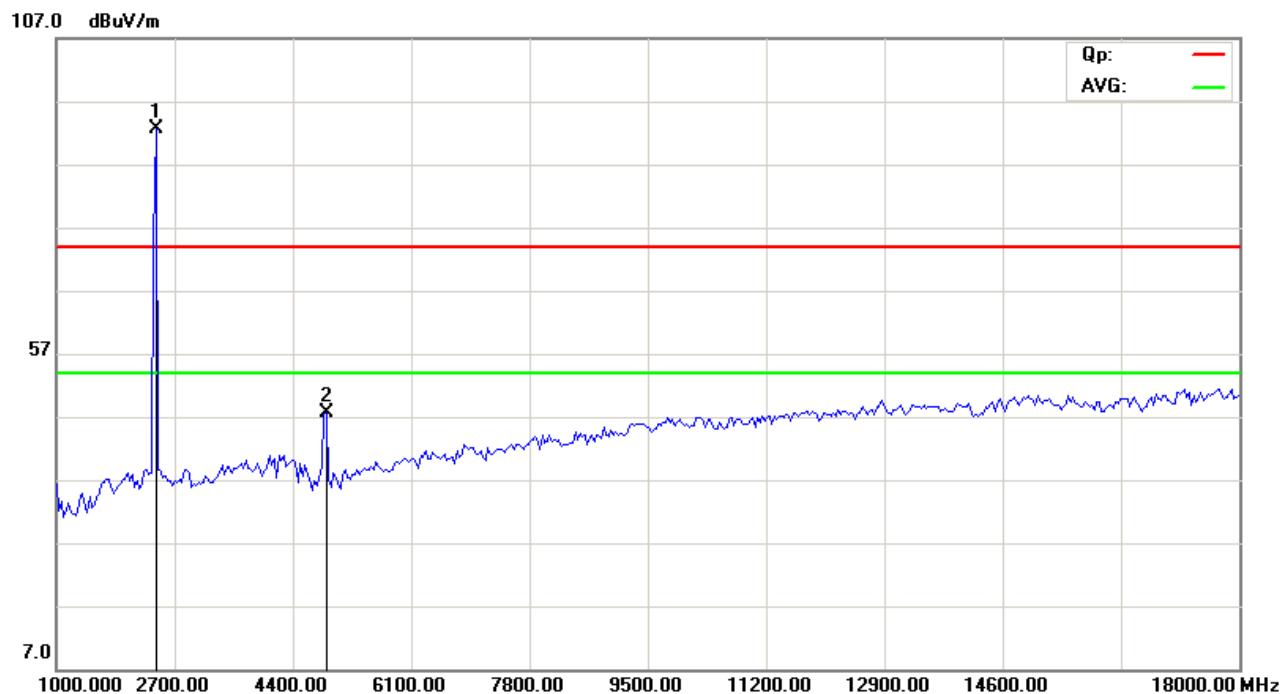




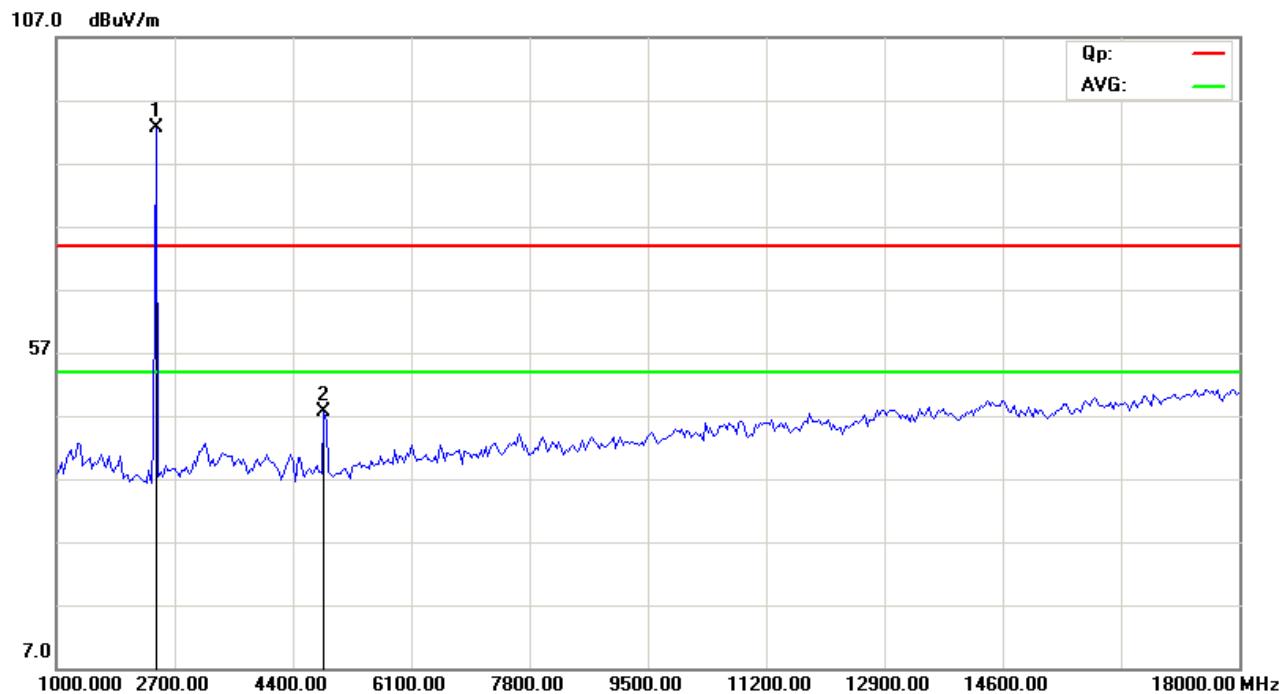
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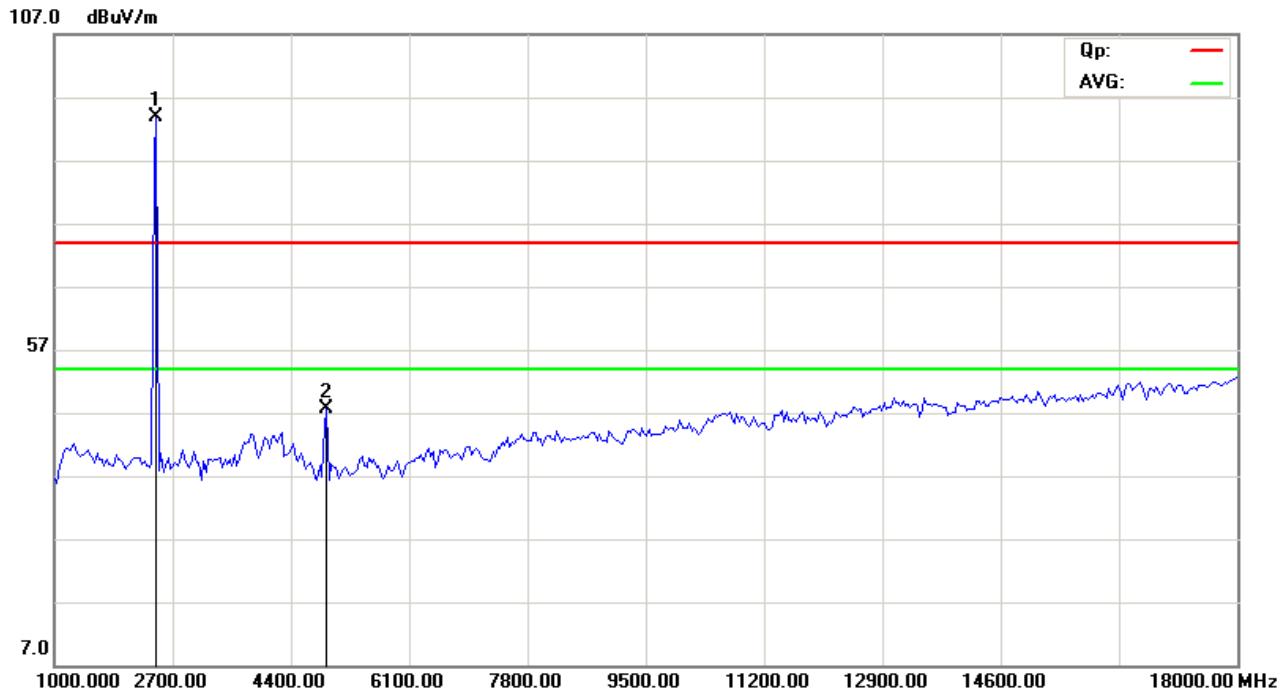
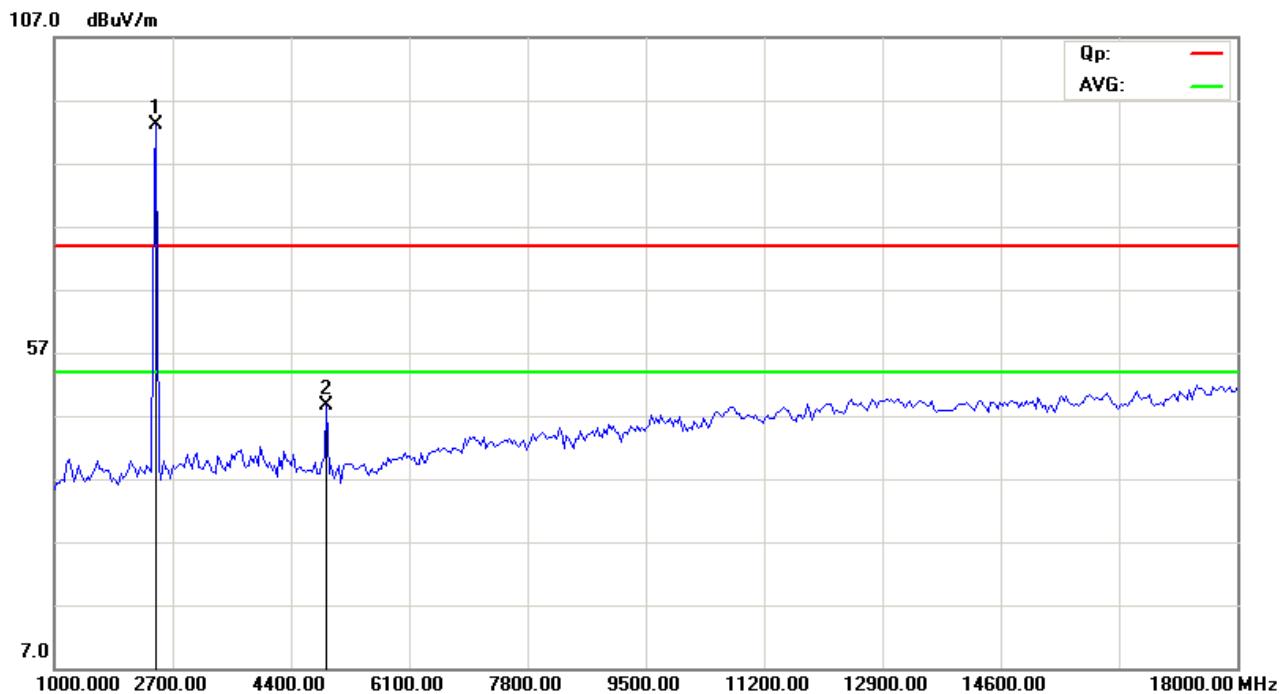
Report No.: BATT201401010-02

CH06 at 11n HT20: Vertical



CH06 at 11n HT20: Horizontal



**CH11 at 11n HT20: Vertical****CH11 at 11n HT20: Horizontal**

Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

**Operation Mode: Transmitting under CH01 for 11n HT40 at 65Mbps**

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2422.00	91.51 (PK)	H	Fundamental Frequency
2422.00	91.44 (PK)	V	
4844.00	47.01 (PK)	H	--
4844.00	48.77 (PK)	V	
7266.00	--	H/V	74(Peak)/ 54(AV)
9688.00	--	H/V	74(Peak)/ 54(AV)
12110	--	H/V	74(Peak)/ 54(AV)
14532	--	H/V	74(Peak)/ 54(AV)
16954	--	H/V	74(Peak)/ 54(AV)
19376	--	H/V	74(Peak)/ 54(AV)
21798	--	H/V	74(Peak)/ 54(AV)
24220	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

3. For 802.11n HT40 at 65bps



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Report No.: BATT201401010-02

Operation Mode: Transmitting under CH04 for 11n HT40 at 65Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2437.00	91.22 (PK)	H	Fundamental Frequency
2437.00	91.65 (PK)	V	
4874.00	46.66 (PK)	H	--
4874.00	47.53 (PK)	V	
7311.00	--	H/V	74(Peak)/ 54(AV)
9748.00	--	H/V	74(Peak)/ 54(AV)
12185	--	H/V	74(Peak)/ 54(AV)
14622	--	H/V	74(Peak)/ 54(AV)
17059	--	H/V	74(Peak)/ 54(AV)
19496	--	H/V	74(Peak)/ 54(AV)
21933	--	H/V	74(Peak)/ 54(AV)
24370	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11n HT40 at 65bps



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Report No.: BATT201401010-02

Operation Mode: Transmitting under CH7 for 11n HT40 at 65Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
2452.00	89.85 (PK)	H	Fundamental Frequency
2452.00	90.56 (PK)	V	
4904	47.32 (PK)	H	--
4904	47.58 (PK)	V	
7356	--	H/V	74(Peak)/ 54(AV)
9808	--	H/V	74(Peak)/ 54(AV)
12260	--	H/V	74(Peak)/ 54(AV)
14712	--	H/V	74(Peak)/ 54(AV)
17164	--	H/V	74(Peak)/ 54(AV)
19616	--	H/V	74(Peak)/ 54(AV)
22068	--	H/V	74(Peak)/ 54(AV)
24520	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “---” means that the emissions level is too low to be measured

3. For 802.11n HT40 at 65bps

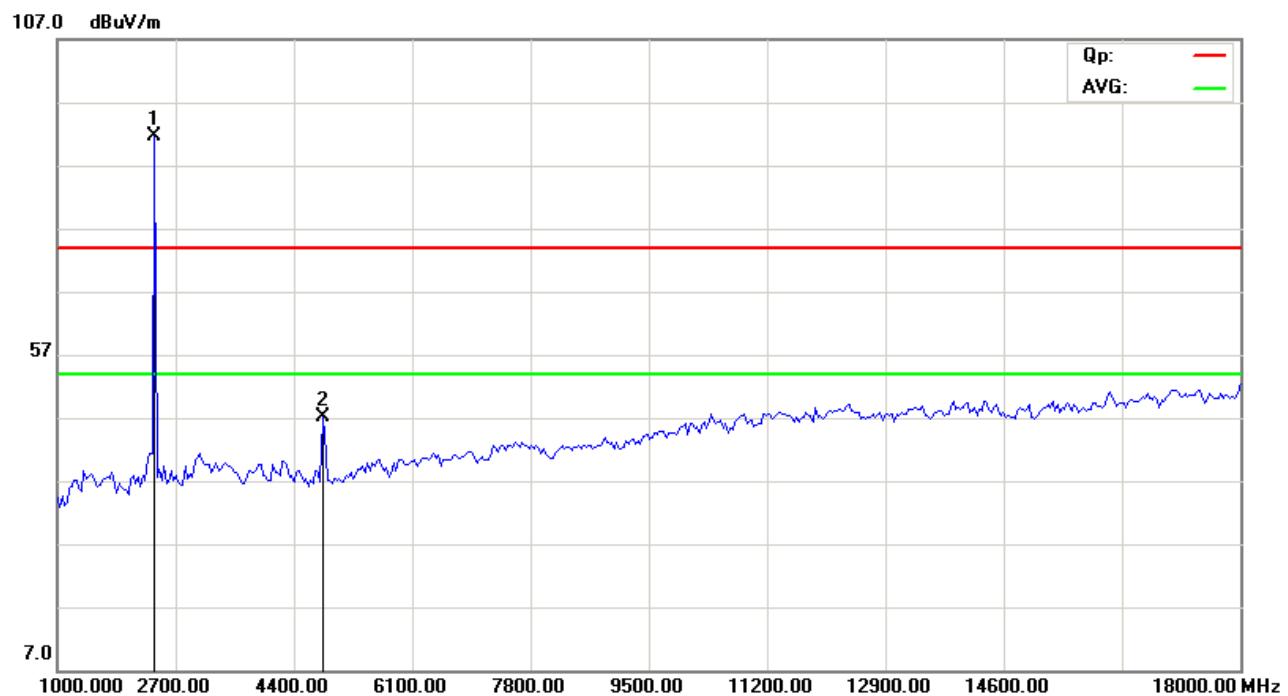


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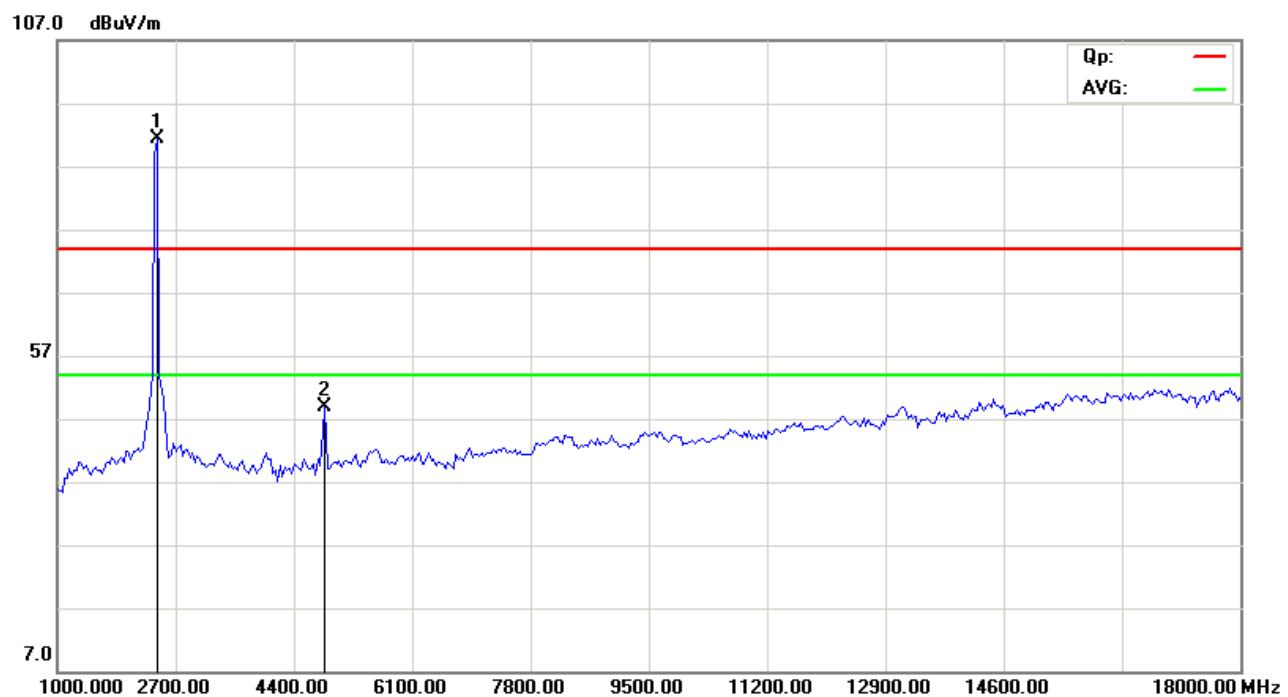
Report No.: BATT201401010-02

Please refer to the following test plots for details:

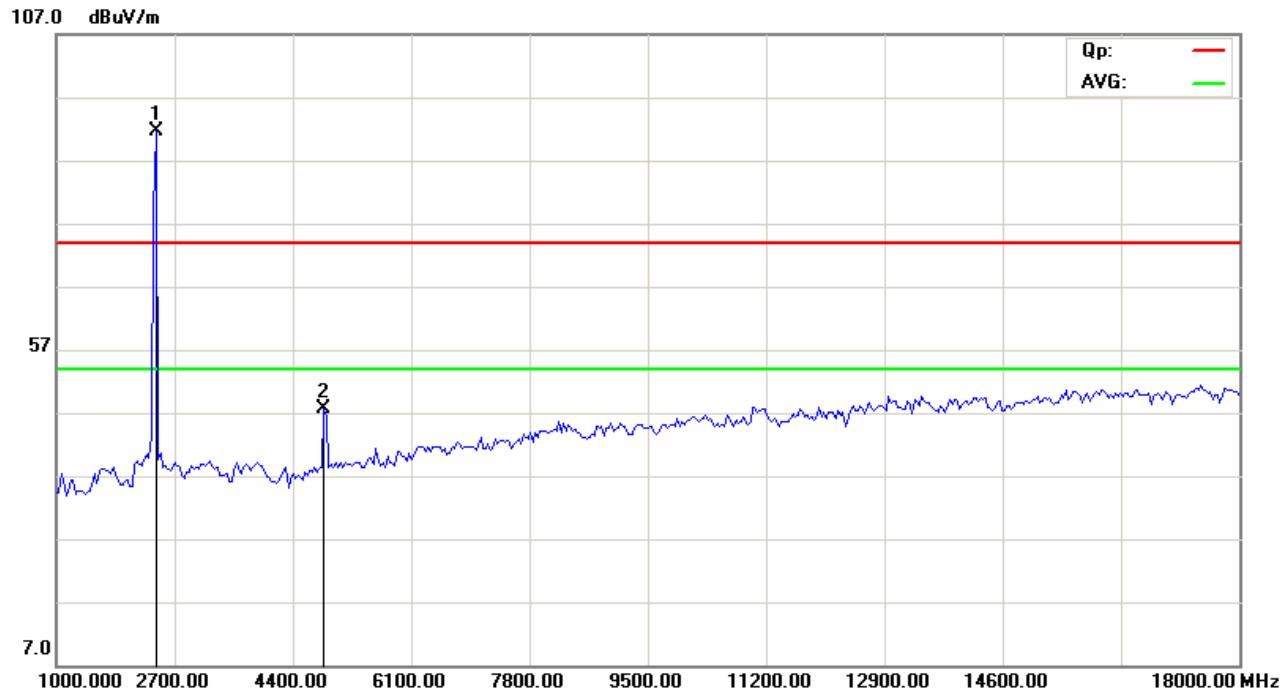
CH01 at 11n HT40: Horizontal



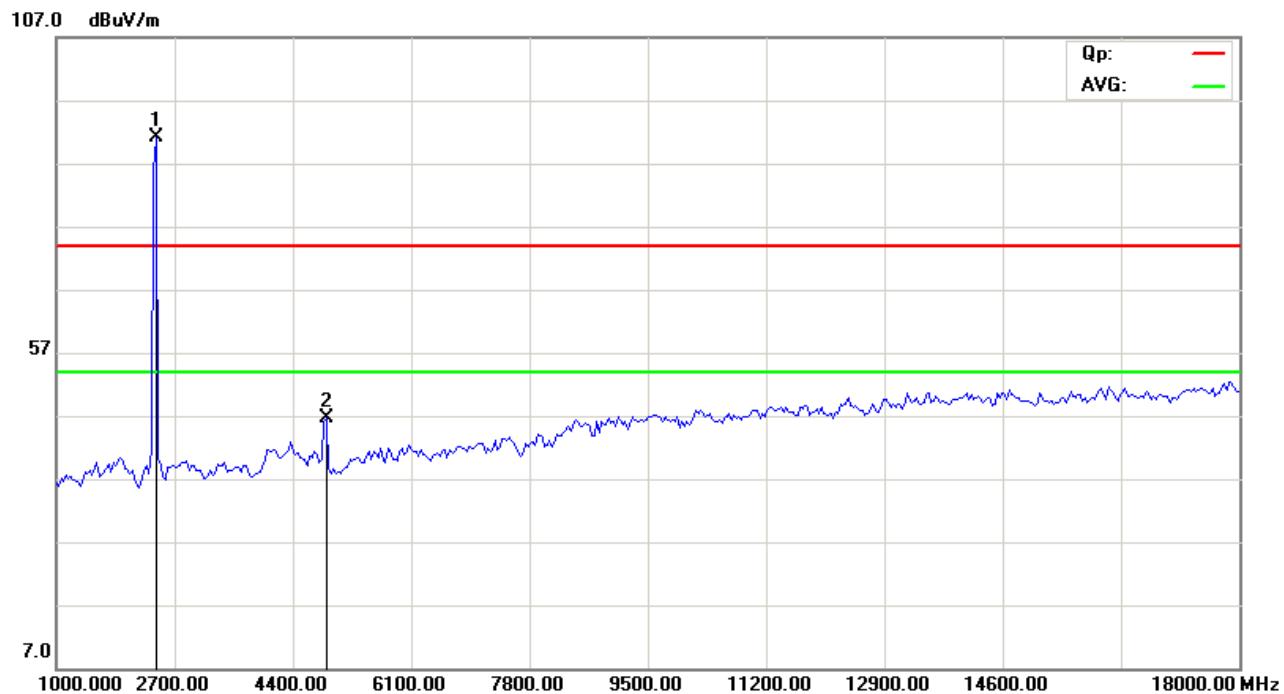
CH01 at 11n HT40: Vertical



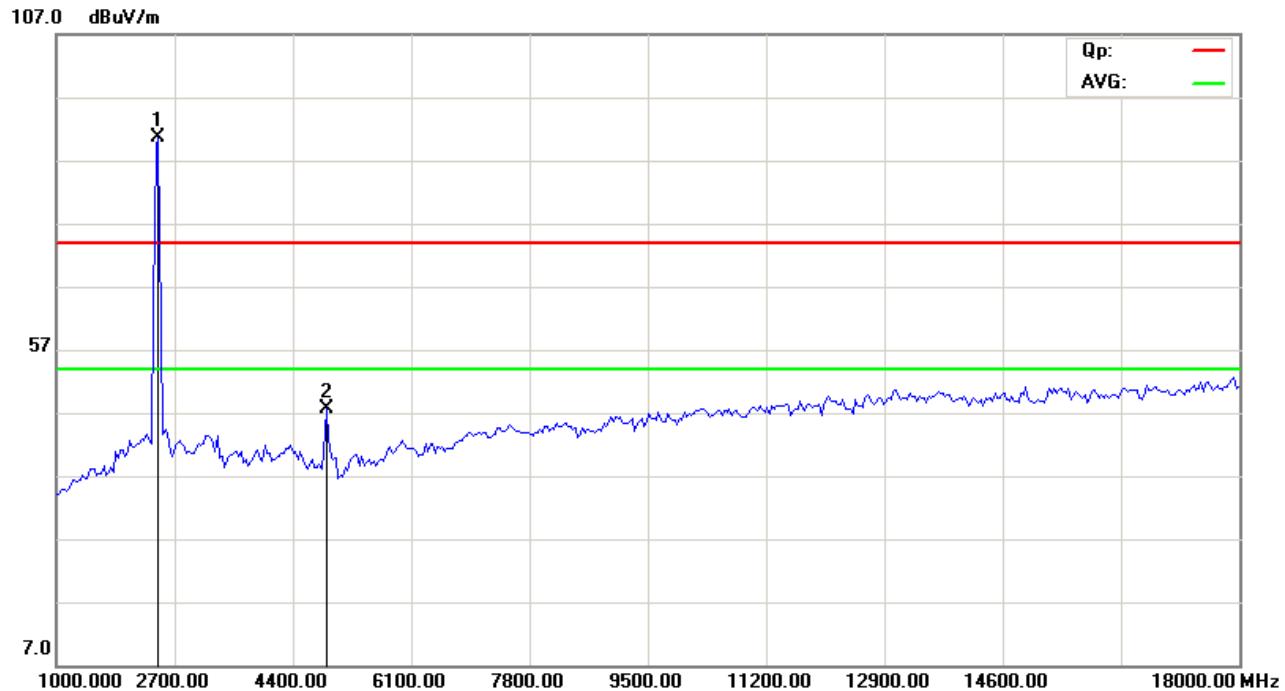
CH04 at 11n HT40: Vertical



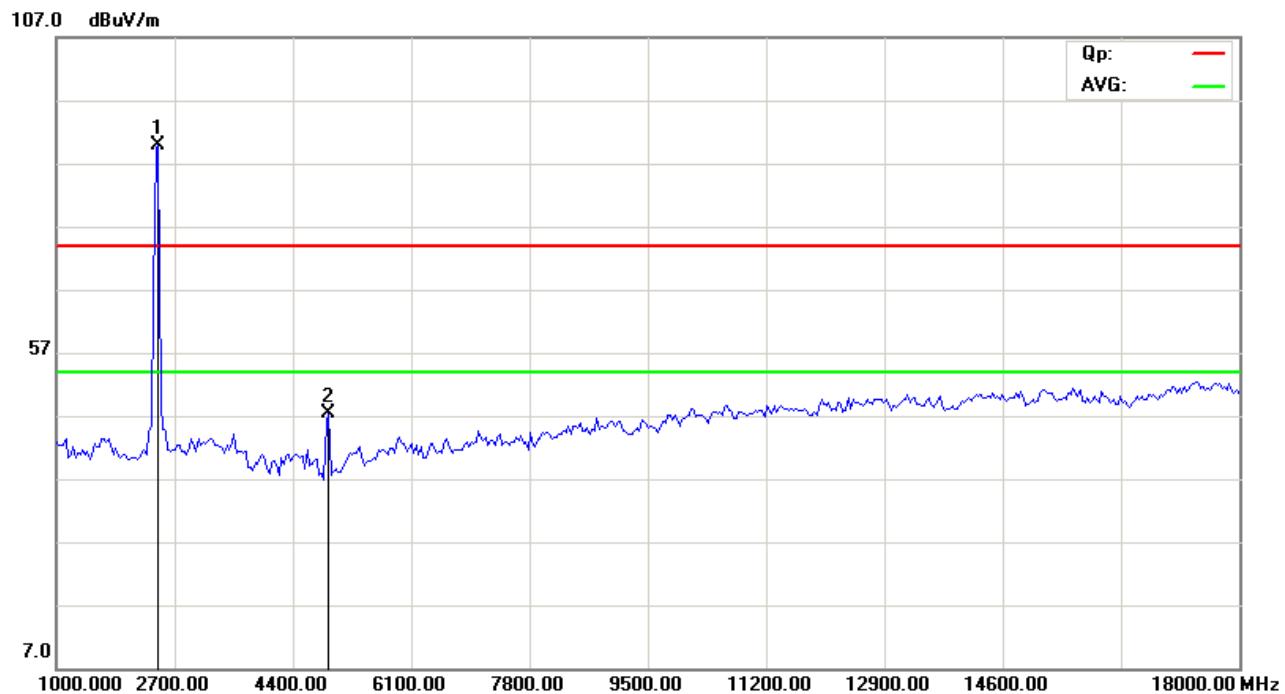
CH04 at 11n HT40: Horizontal



CH7 at 11n HT40: Vertical



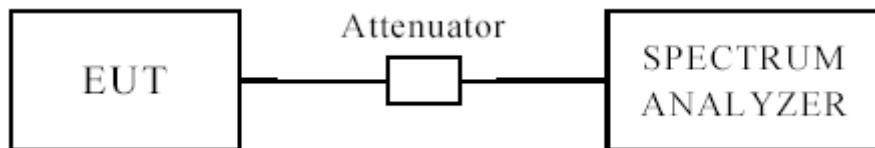
CH7 at 11n HT40: Horizontal



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500kHz

7.3 Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ 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) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result



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Report No.: BATT201401010-02

EUT	Tablet PC		Model		M9706
Mode	802.11b		Input Voltage		DC7.4V
Temperature	24 deg. C,		Humidity		56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	1	10.08	0.5	Pass
6	2437	1	10.08	0.5	Pass
11	2462	1	10.08	0.5	Pass
1	2412	11	9.42	0.5	Pass
6	2437	11	9.42	0.5	Pass
11	2462	11	9.42	0.5	Pass

EUT	Tablet PC		Model		M9706
Mode	802.11g		Input Voltage		DC7.4V
Temperature	24 deg. C,		Humidity		56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	54	16.56	0.5	Pass
6	2437	54	16.44	0.5	Pass
11	2462	54	16.56	0.5	Pass



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Report No.: BATT201401010-02

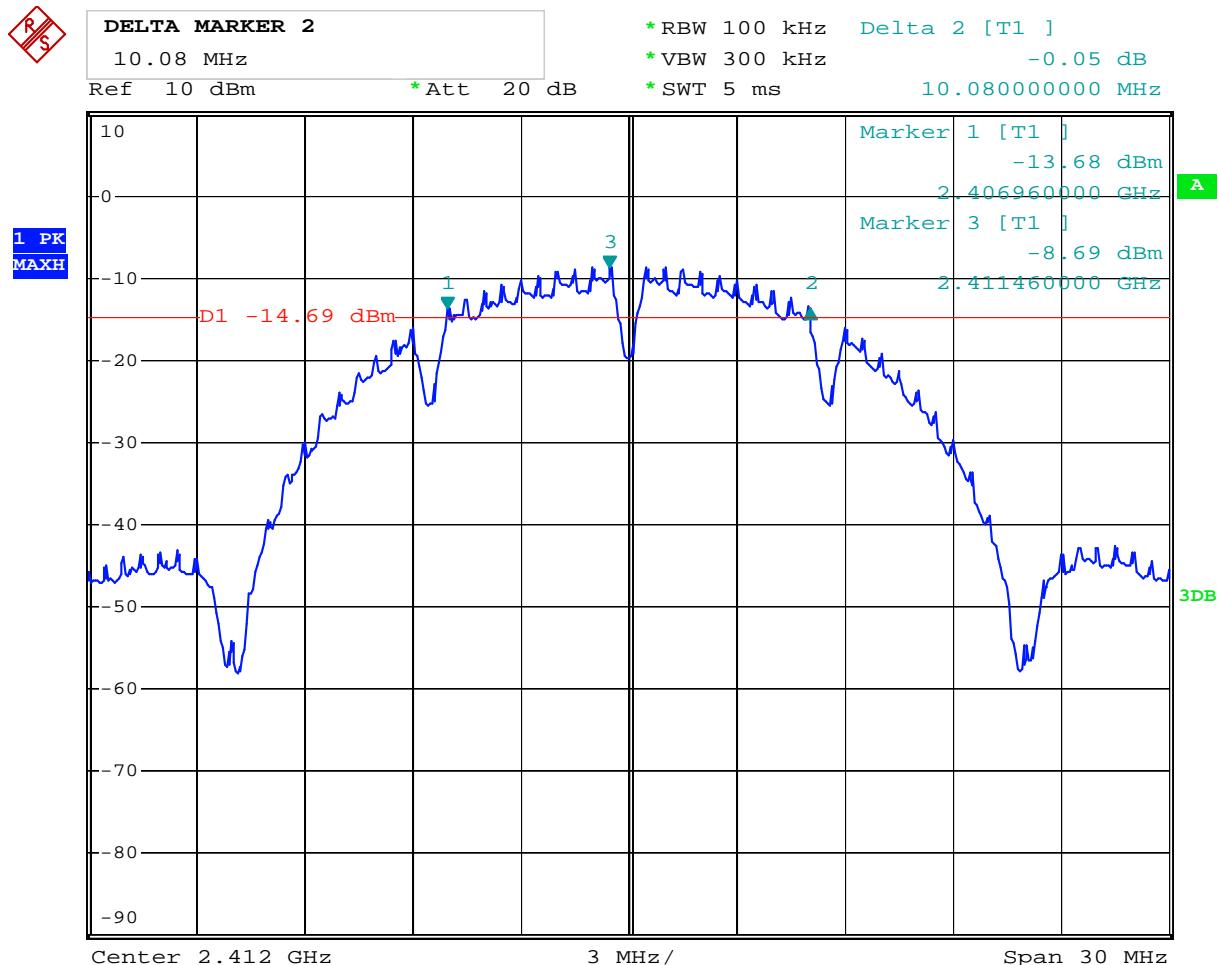
EUT	Tablet PC		Model	M9706	
Mode	802.11n		Input Voltage	DC7.4V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	HT20	17.70	0.5	Pass
6	2437	HT20	17.70	0.5	Pass
11	2462	HT20	17.70	0.5	Pass
1	2422	HT40	36.42	0.5	Pass
4	2437	HT40	36.42	0.5	Pass
7	2452	HT40	36.42	0.5	Pass



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Report No.: BATT201401010-02

1. 802.11b at 1Mbps of CH01



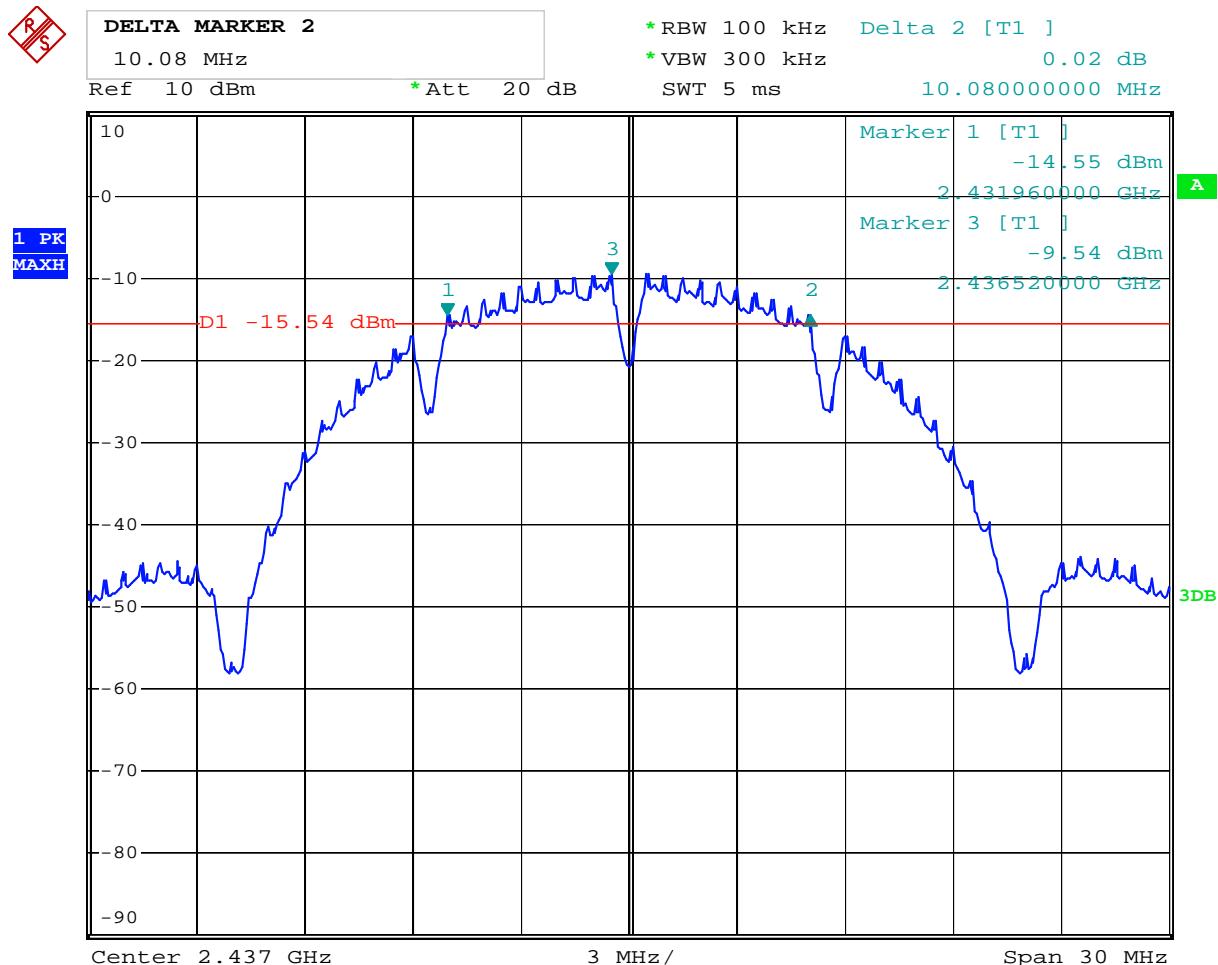
Date: 3.JAN.2014 10:37:10



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Report No.: BATT201401010-02

2. 802.11b at 1Mbps of CH06



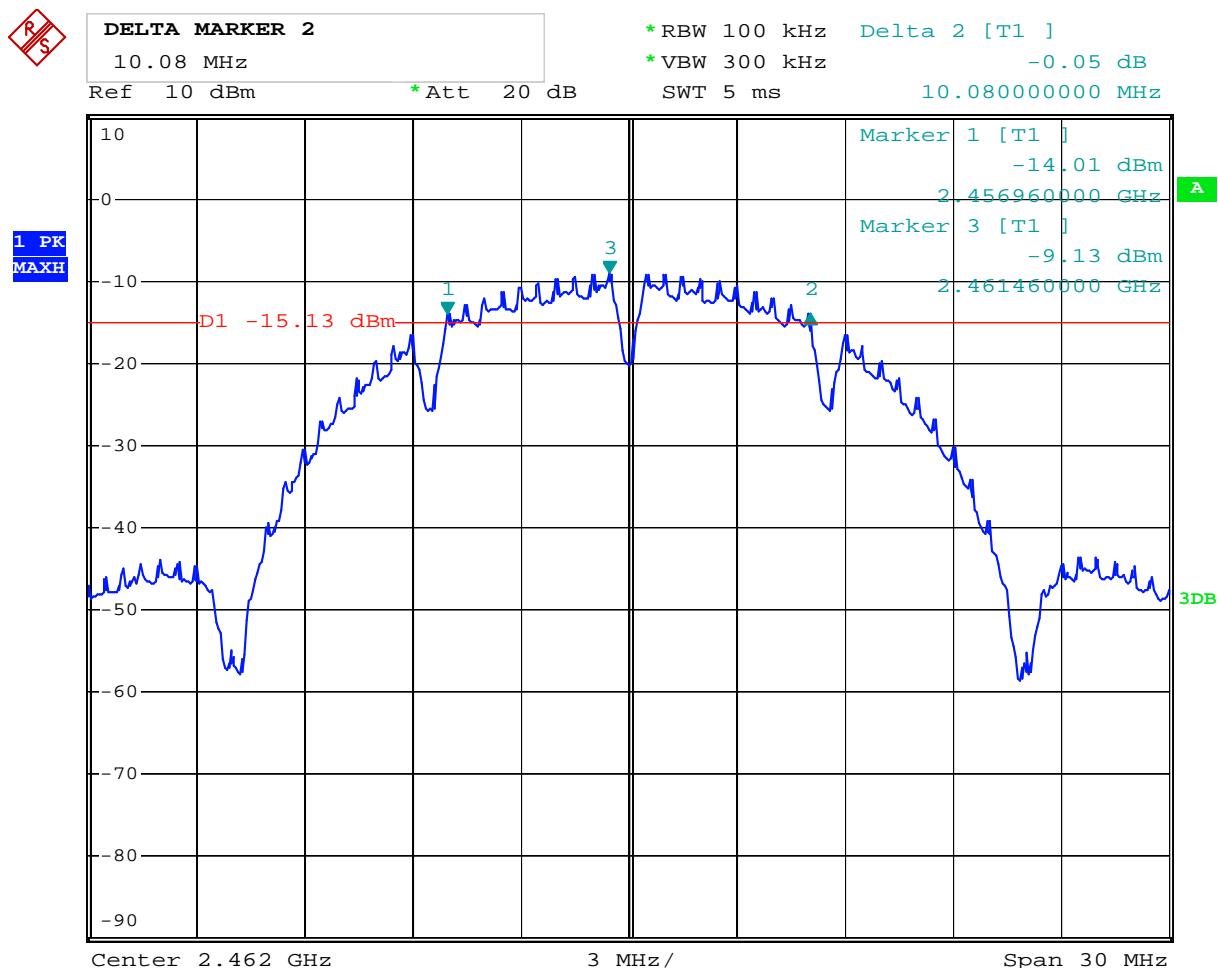
Date: 3.JAN.2014 11:16:27



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Report No.: BATT201401010-02

3. 802.11b at 1Mbps of CH11



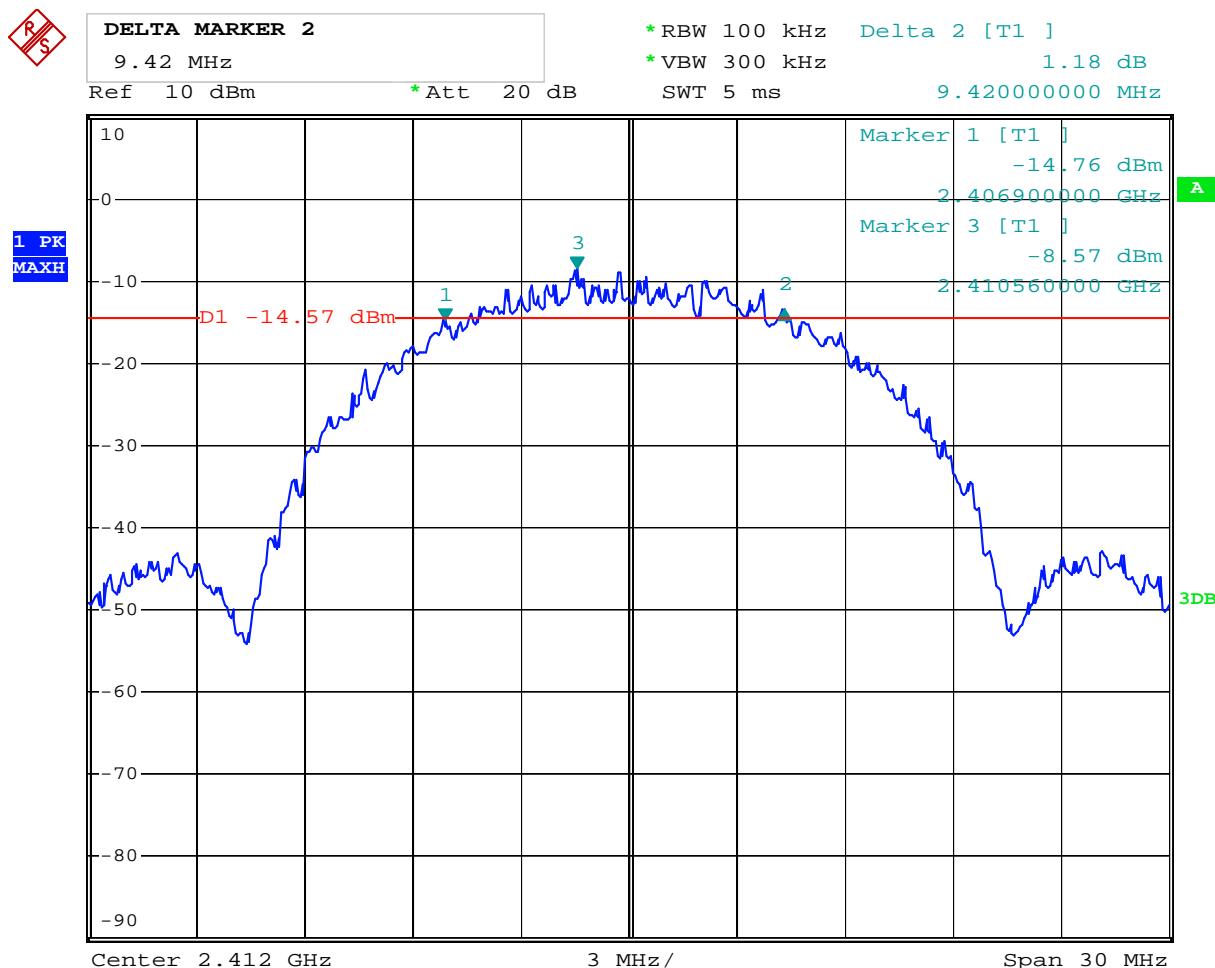
Date: 3.JAN.2014 14:01:42



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Report No.: BATT201401010-02

4. 802.11b at 11Mbps of CH01



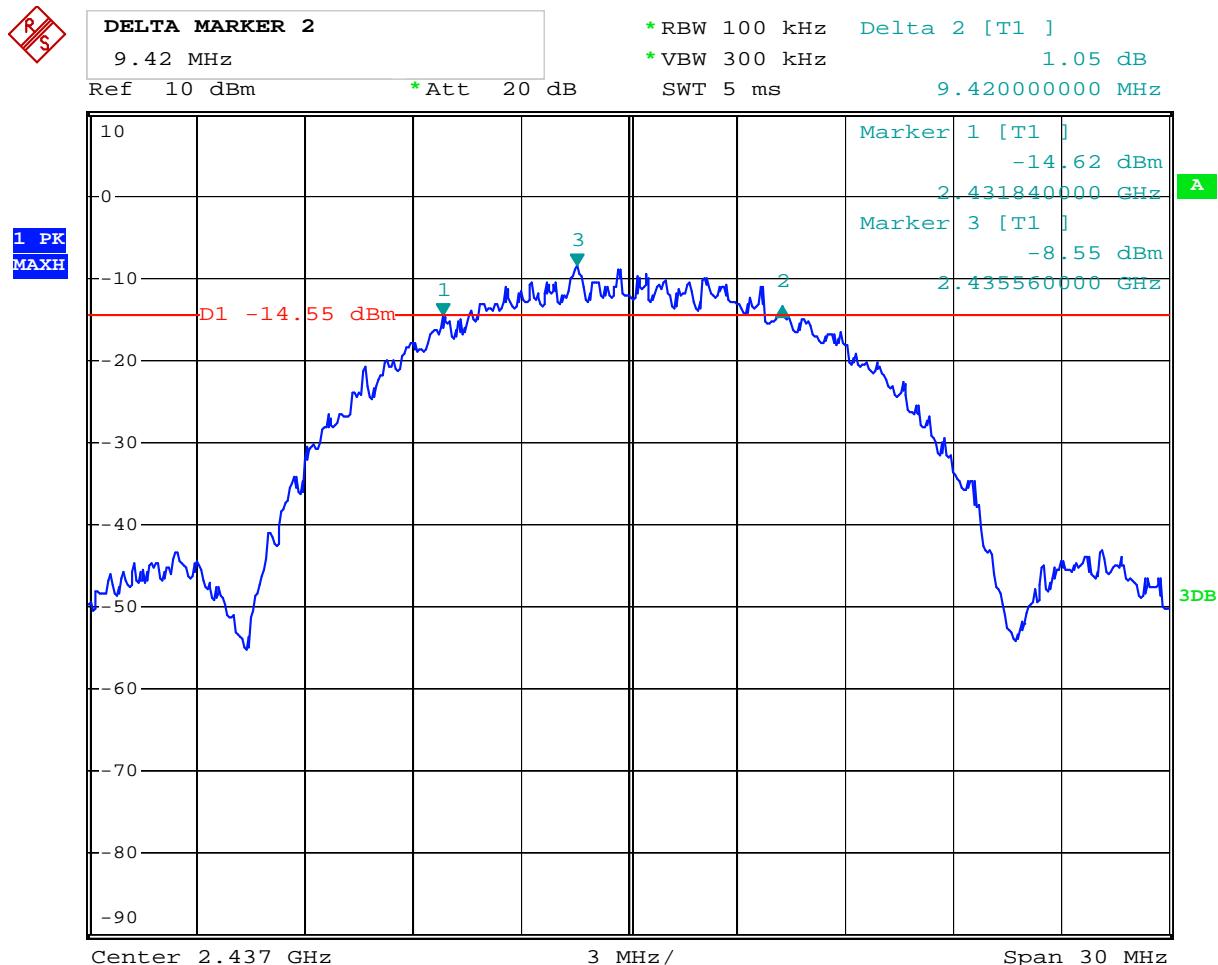
Date: 3.JAN.2014 11:12:15



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Report No.: BATT201401010-02

5. 802.11b at 11Mbps of CH06



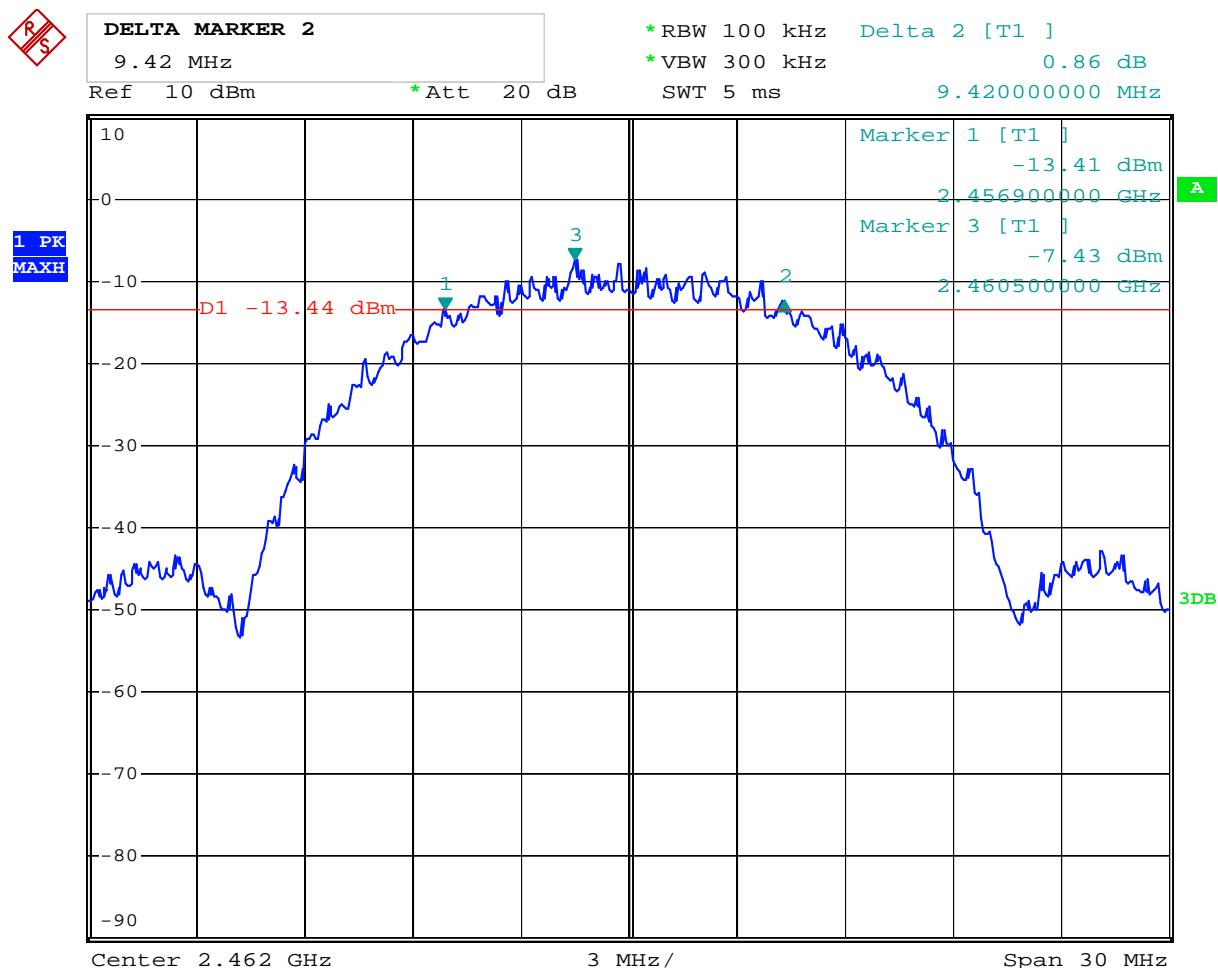
Date: 3.JAN.2014 11:13:32



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Report No.: BATT201401010-02

6. 802.11b at 11Mbps of CH11



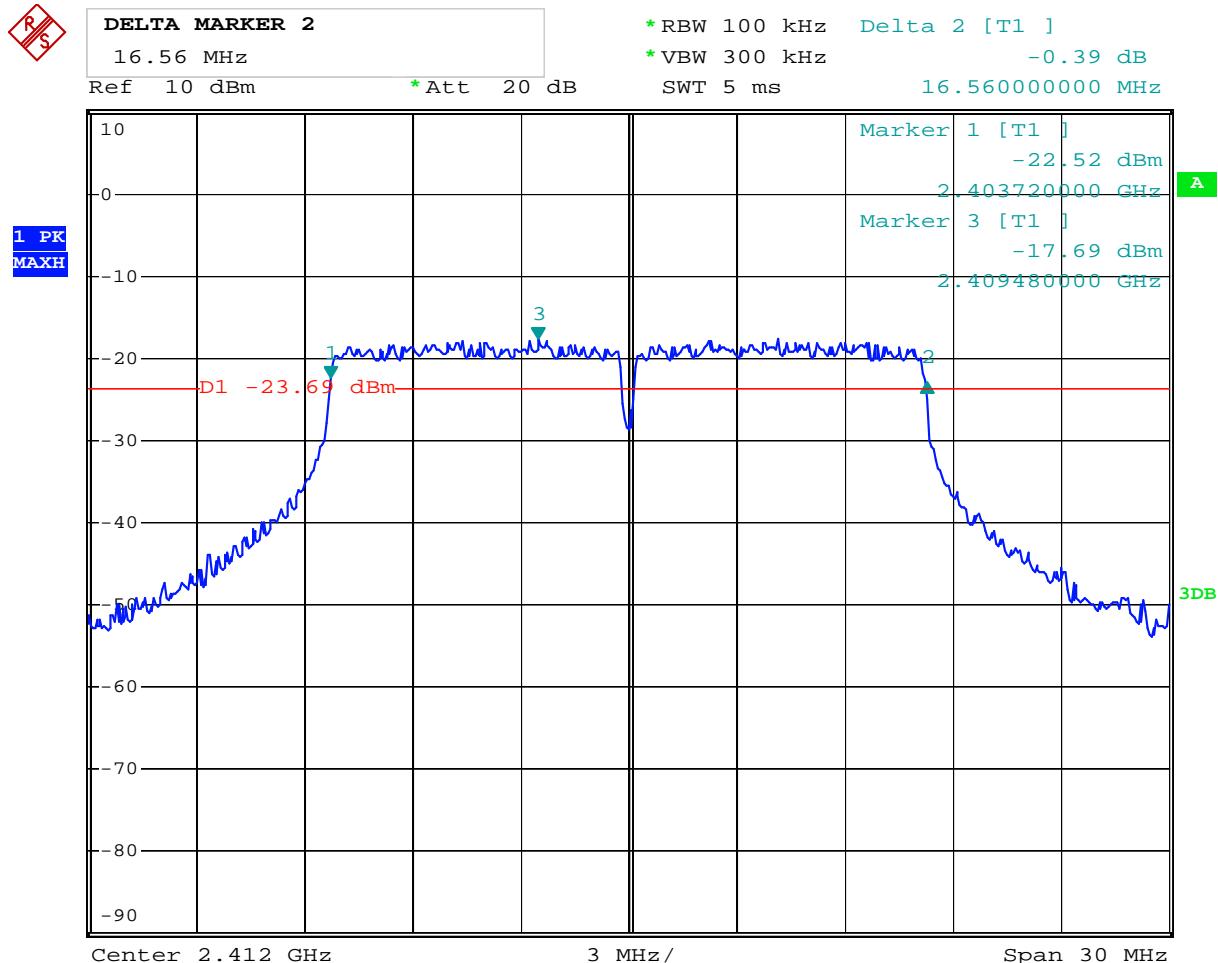
Date: 3.JAN.2014 14:07:22



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Report No.: BATT201401010-02

7. 802.11g at 54 Mbps of CH01



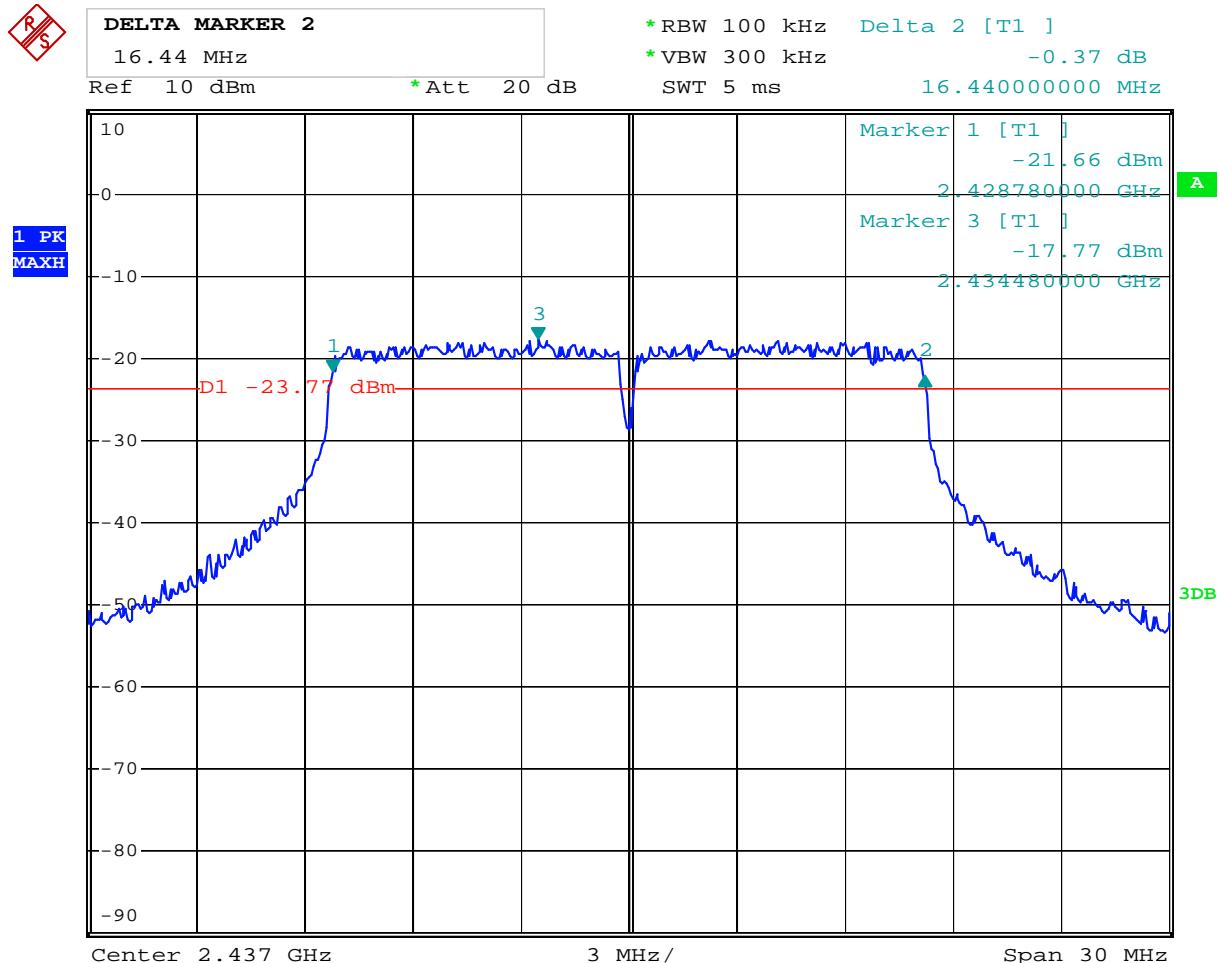
Date: 3.JAN.2014 11:09:06



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Report No.: BATT201401010-02

8. 802.11g at 54 Mbps of CH06

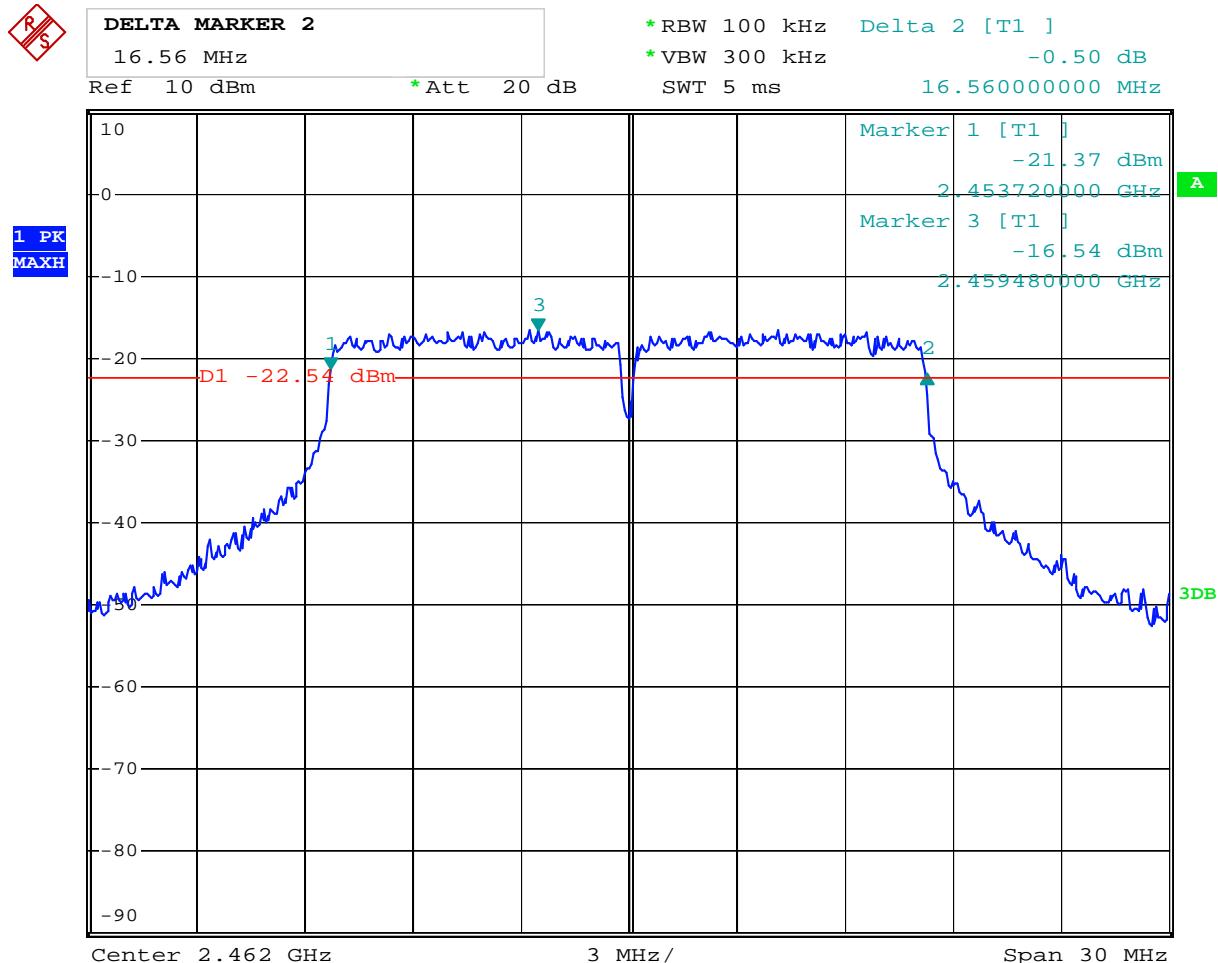


Date: 3.JAN.2014 11:15:24



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Report No.: BATT201401010-02

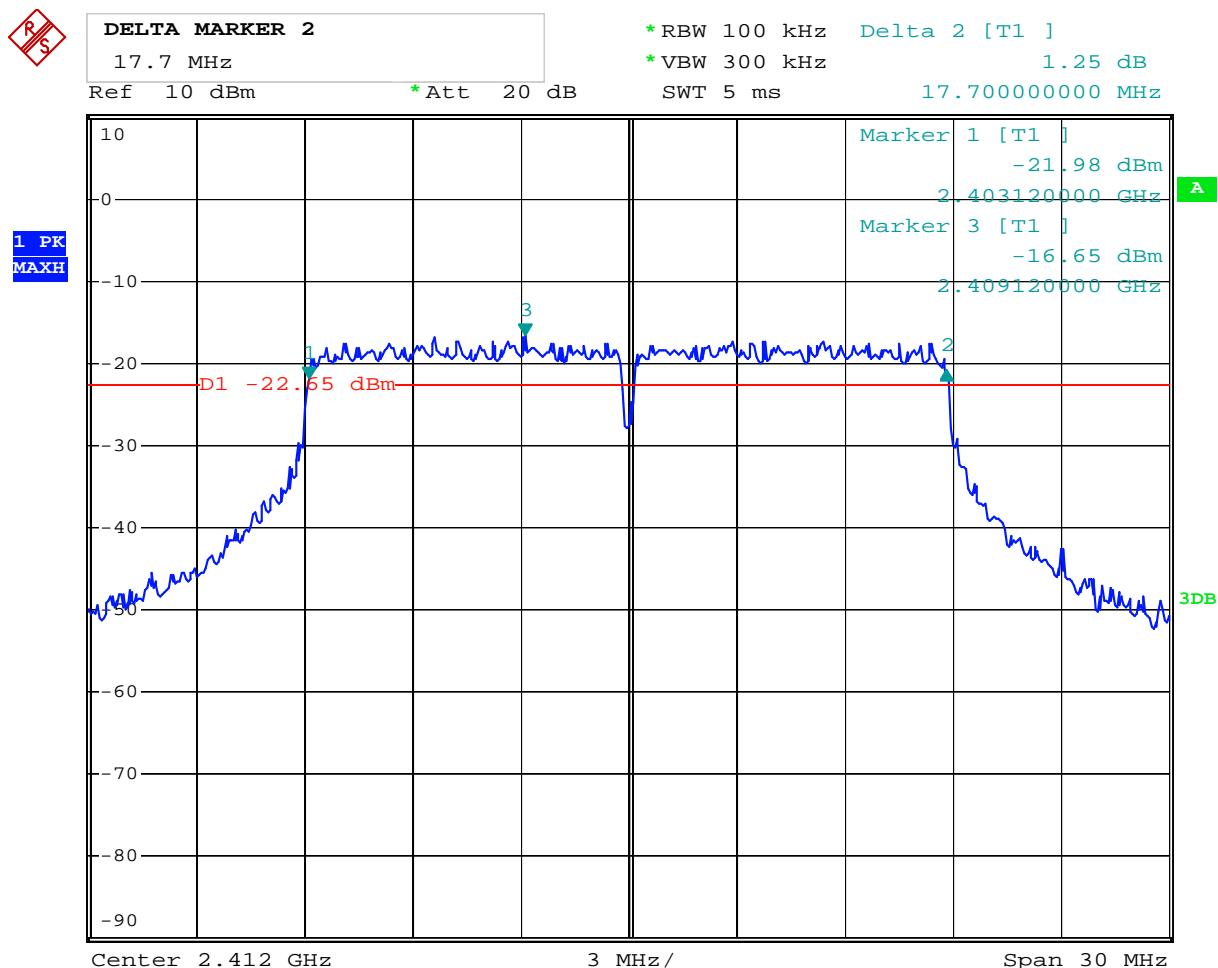
9. 802.11g at 54 Mbps of CH11

Date: 3.JAN.2014 14:05:37



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Report No.: BATT201401010-02

10. 802.11n at HT20 of CH01

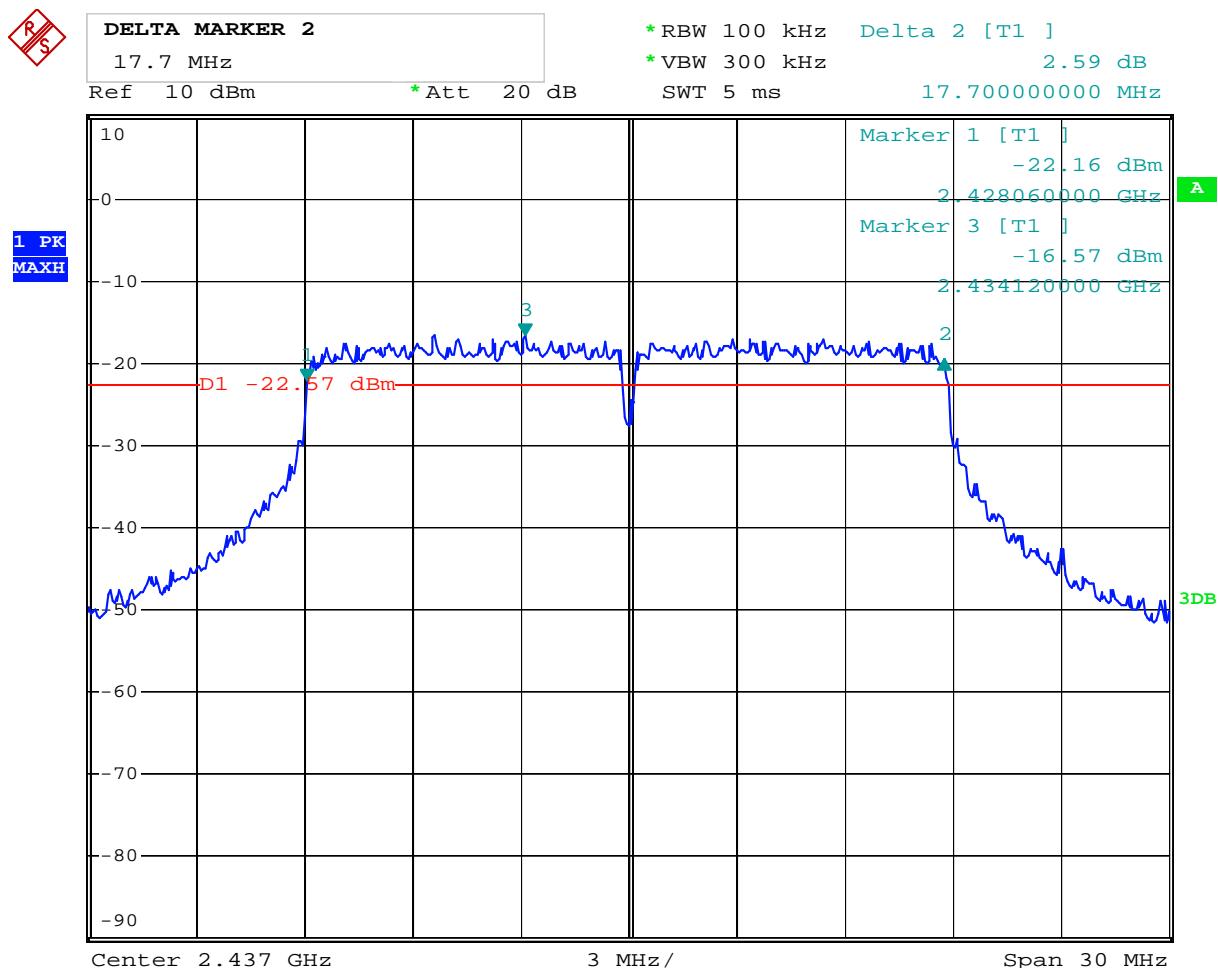
Date: 3.JAN.2014 14:11:42



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Report No.: BATT201401010-02

11. 802.11n at HT20 of CH06

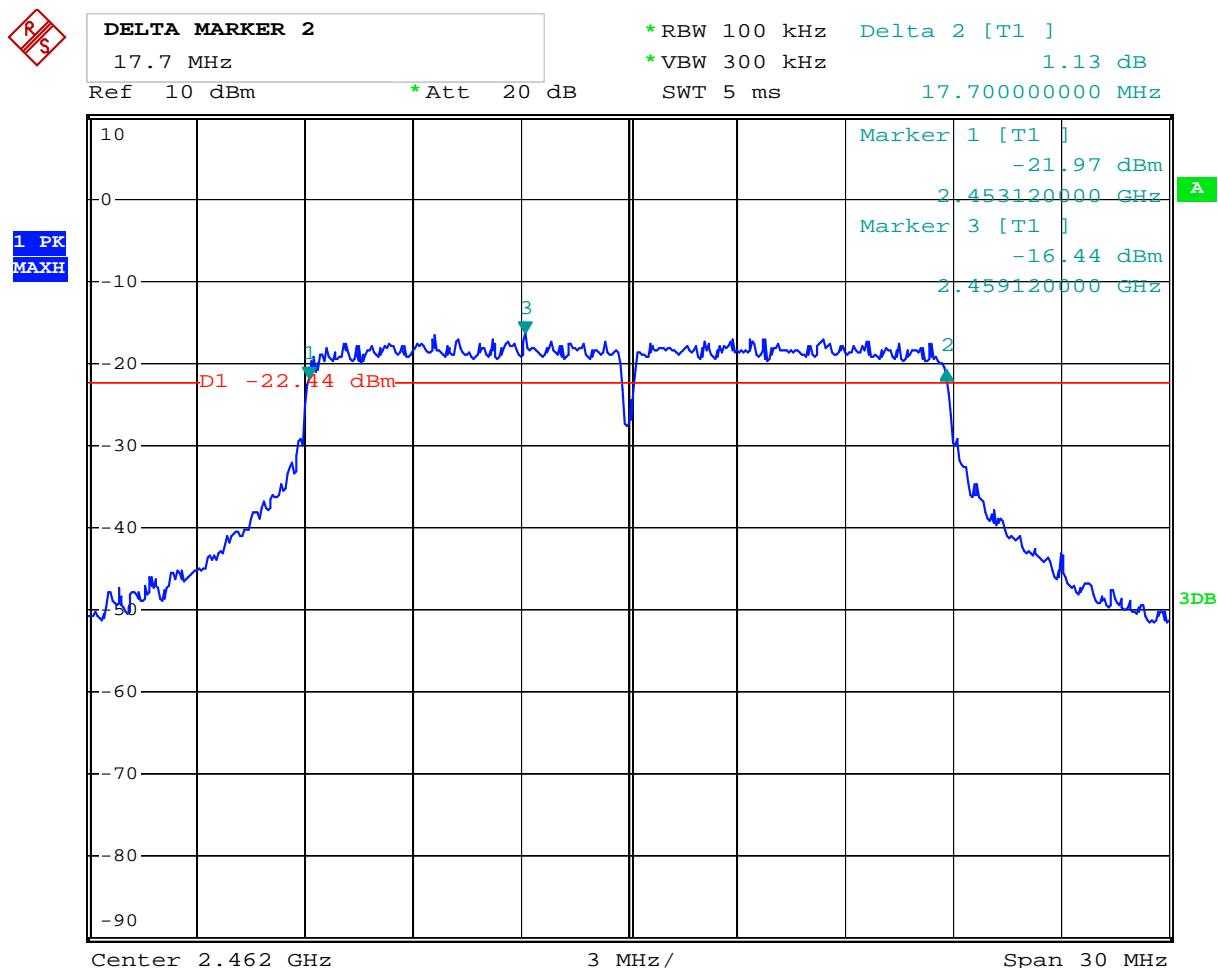


Date: 3.JAN.2014 14:10:36



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Report No.: BATT201401010-02

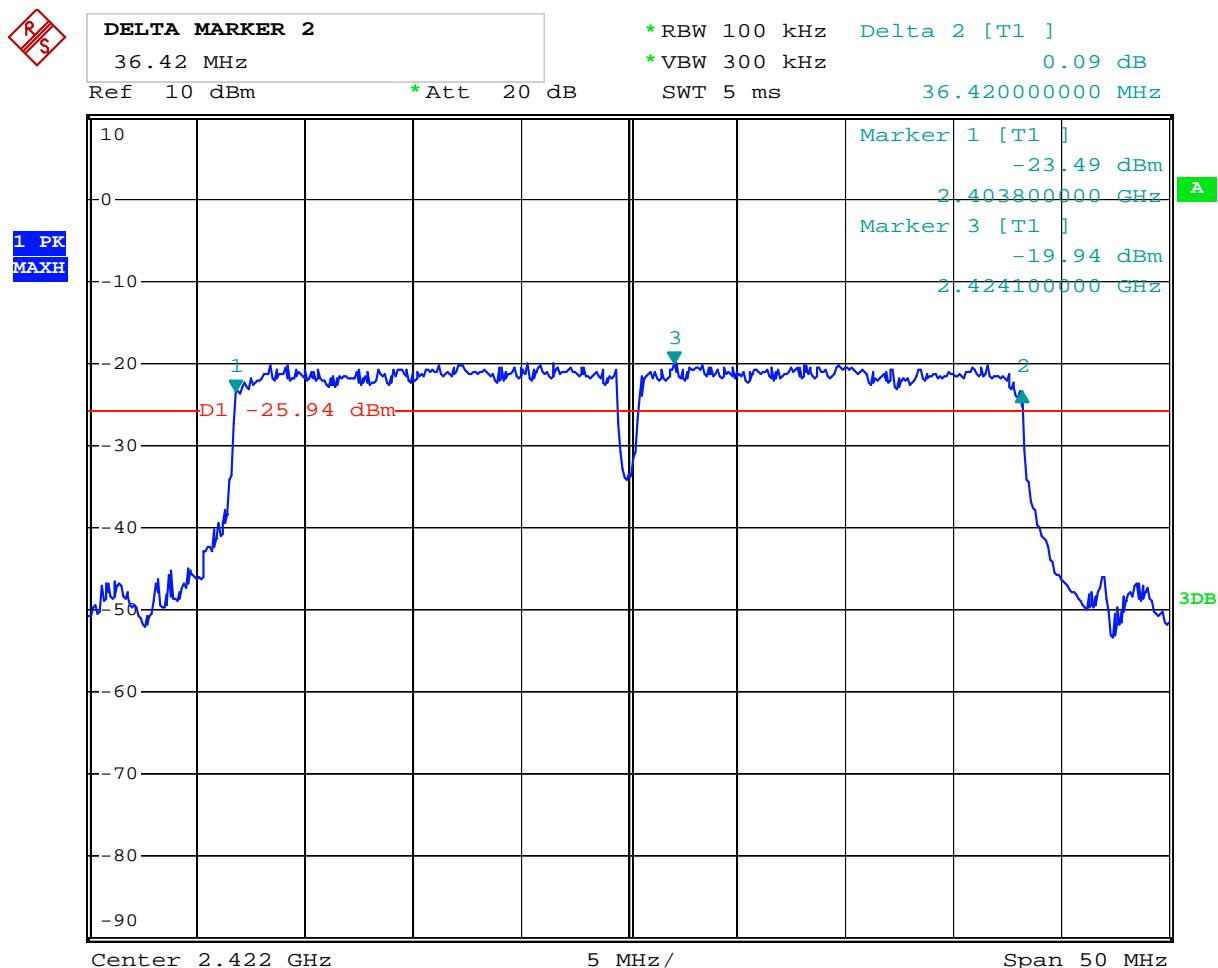
12. 802.11n at HT20 of CH11

Date: 3.JAN.2014 14:08:32



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

13. 802.11n at HT40 of CH01

Date: 3.JAN.2014 14:13:21



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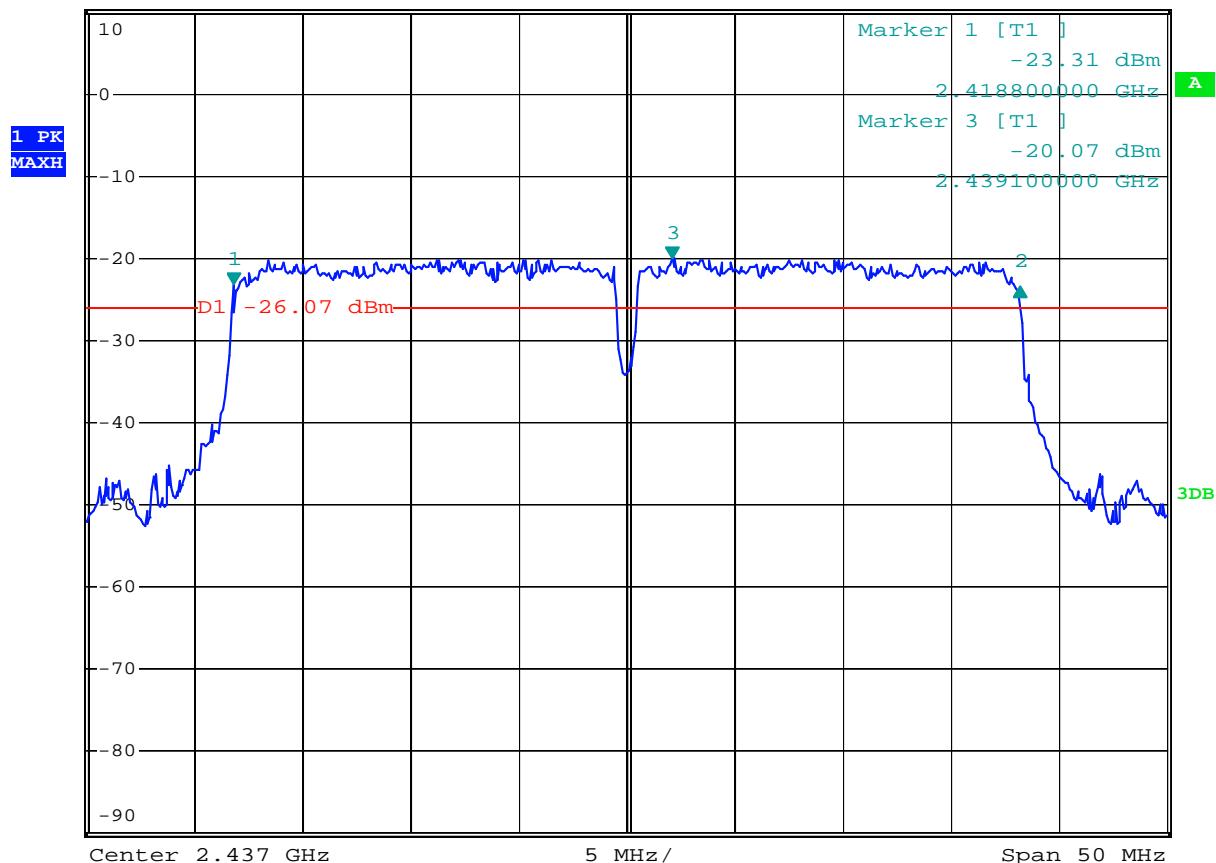
Report No.: BATT201401010-02

14. 802.11n at HT40 of CH04



DELTA MARKER 2
36.42 MHz
Ref 10 dBm * Att 20 dB

* RBW 100 kHz Delta 2 [T1] -0.21 dB
* VBW 300 kHz SWT 5 ms 36.420000000 MHz

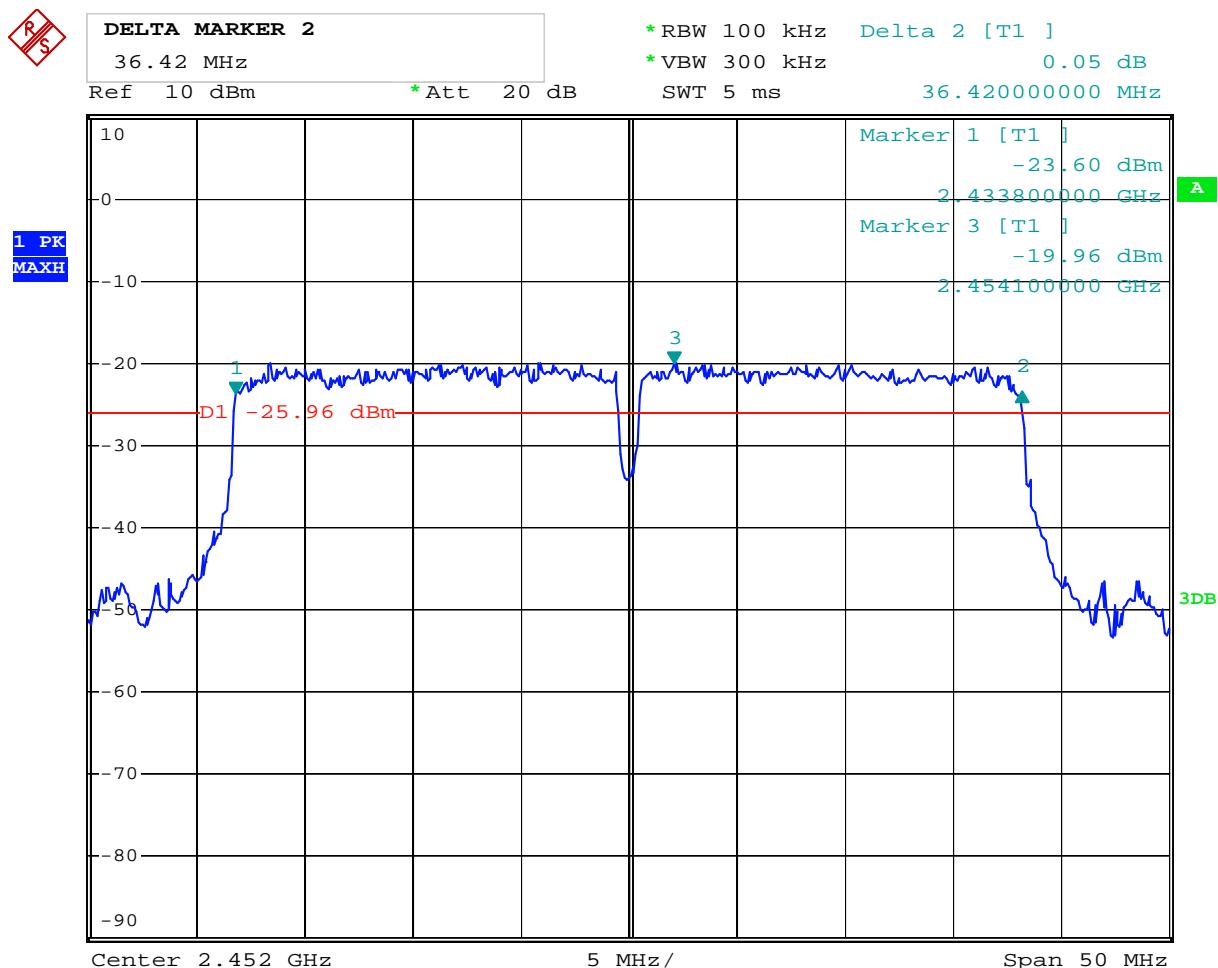


Date: 3.JAN.2014 14:15:03



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Report No.: BATT201401010-02

15. 802.11n at HT40 of CH07

Date: 3.JAN.2014 14:16:32



8. Maximum Peak Output Power

8.1 Test Setup



8.2 Limits of Maximum Peak Output Power

The Maximum Peak Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the peak power was measured



8.4 Test Results

EUT	Tablet PC		Model	M9706
Mode	802.11b 11Mbps		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass/ Fail
1	2412	6.89	30	Pass
6	2437	6.92	30	Pass
11	2462	7.18	30	Pass

Note: 1. At final test to get the worst-case emission at 11Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$

EUT	Tablet PC		Model	M9706
Mode	802.11g		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass/ Fail
1	2412	4.14	30	Pass
6	2437	4.10	30	Pass
11	2462	4.16	30	Pass

Note: 1. At final test to get the worst-case emission at 54Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

EUT	Tablet PC		Model	M9706
Mode	802.11n HT20		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass/ Fail
1	2412	4.34	30	Pass
6	2437	4.39	30	Pass
11	2462	4.26	30	Pass

Note: 1. At finial test to get the worst-case emission at 65Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$

EUT	Tablet PC		Model	M9706
Mode	802.11n HT40		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass/ Fail
1	2422	4.21	30	Pass
5	2437	4.23	30	Pass
7	2452	4.18	30	Pass

Note: 1. At finial test to get the worst-case emission at 65Mbps for CH01, CH06 and CH11

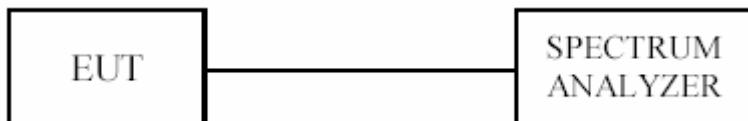
2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$



9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.

9.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 10 kHz.
3. Set the VBW \geq 30 kHz.
4. Set the span to 1.5 times the DTS channel bandwidth.
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.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be \leq 8 dBm.



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Report No.: BATT201401010-02

9.4 Test Result

EUT	Tablet PC	Model	M9706	
Mode	802.11b 1Mbps	Input Voltage	DC7.4V	
Temperature	24 deg. C,	Humidity	56% RH	
Channel	Channel Frequency (MHz)	Final RF Power Level (dBm)	Maximum Limit (dBm)	Pass/ Fail
1Mbps				
1	2412	-18.43	8	Pass
6	2437	-18.95	8	Pass
11	2462	-19.53	8	Pass

Note: At final test to get the worst-case emission at 1Mbps for CH01, CH06 and CH11

EUT	Tablet PC	Model	M9706	
Mode	802.11b 11Mbps	Input Voltage	DC7.4V	
Temperature	24 deg. C,	Humidity	56% RH	
Channel	Channel Frequency (MHz)	Final RF Power Level (dBm)	Maximum Limit (dBm)	Pass/ Fail
11Mbps				
1	2412	-16.99	8	Pass
6	2437	-17.26	8	Pass
11	2462	-17.32	8	Pass

Note: At final test to get the worst-case emission at 11Mbps for CH01, CH06 and CH11



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Report No.: BATT201401010-02

EUT	Tablet PC		Model	M9706
Mode	802.11g		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Final RF Power Level (dBm)	Maximum Limit (dBm)	Pass/ Fail
54Mbps				
1	2412	-24.26	8	Pass
6	2437	-24.65	8	Pass
11	2462	-25.01	8	Pass

Note: At final test to get the worst-case emission at 54Mbps for CH01, CH06 and CH11

EUT	Tablet PC		Model	M9706
Mode	802.11n HT20		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Final RF Power Level (dBm)	Maximum Limit (dBm)	Pass/ Fail
11n HT20				
1	2412	-23.97	8	Pass
6	2437	-23.86	8	Pass
11	2462	-24.68	8	Pass

Note: At final test to get the worst-case emission at 65M for CH01, CH06 and CH11



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Report No.: BATT201401010-02

EUT	Tablet PC		Model	M9706
Mode	802.11n HT40		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Final RF Power Level (dBm)	Maximum Limit (dBm)	Pass/ Fail
11n HT40				
1	2422	-26.47	8	Pass
4	2437	-26.40	8	Pass
7	2452	-26.31	8	Pass

Note: At final test to get the worst-case emission at 65M for CH01, CH04 and CH07

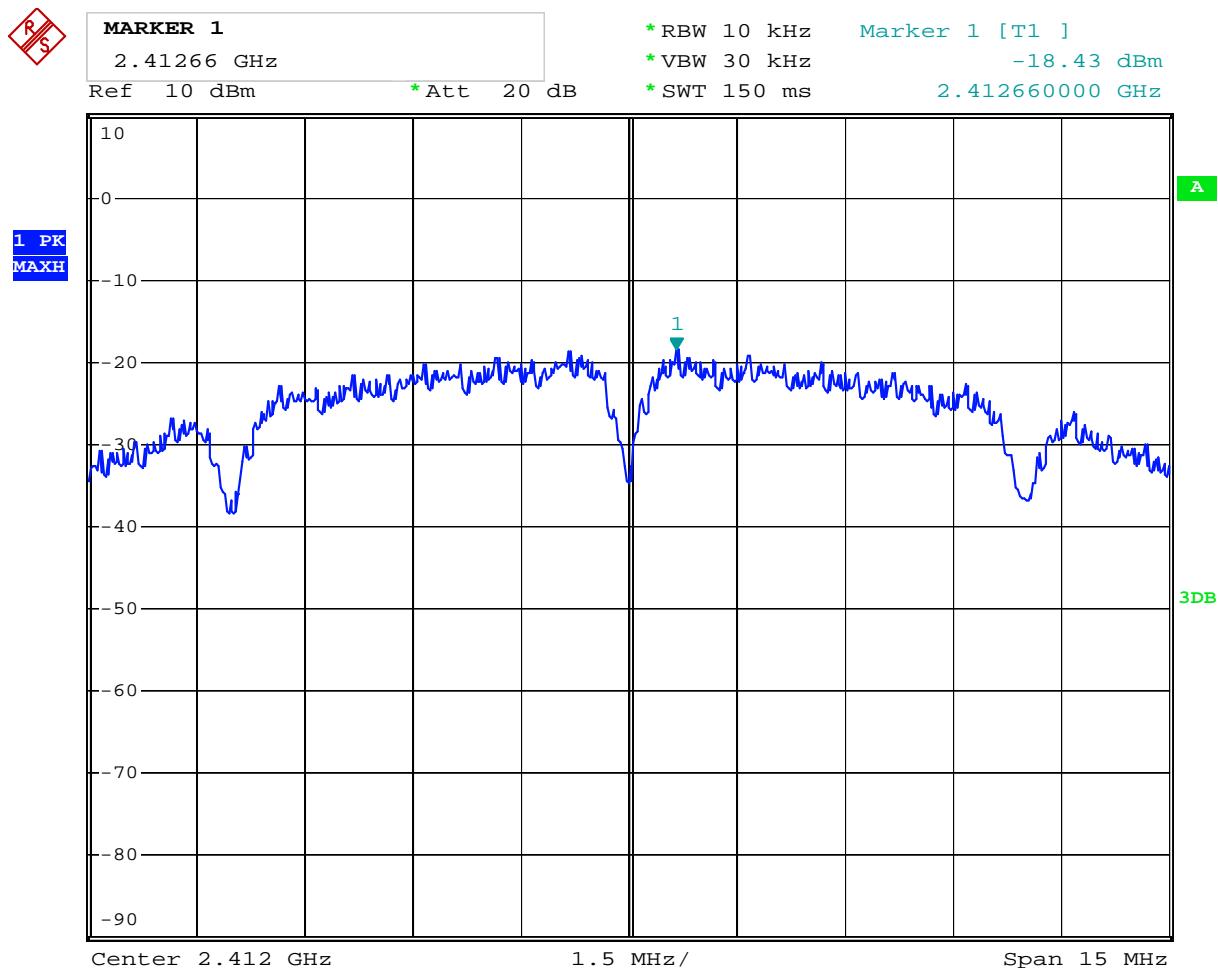


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Report No.: BATT201401010-02

9.5 Photo of Power Spectral Density Measurement

1. 802.11b at 1Mbps of CH01



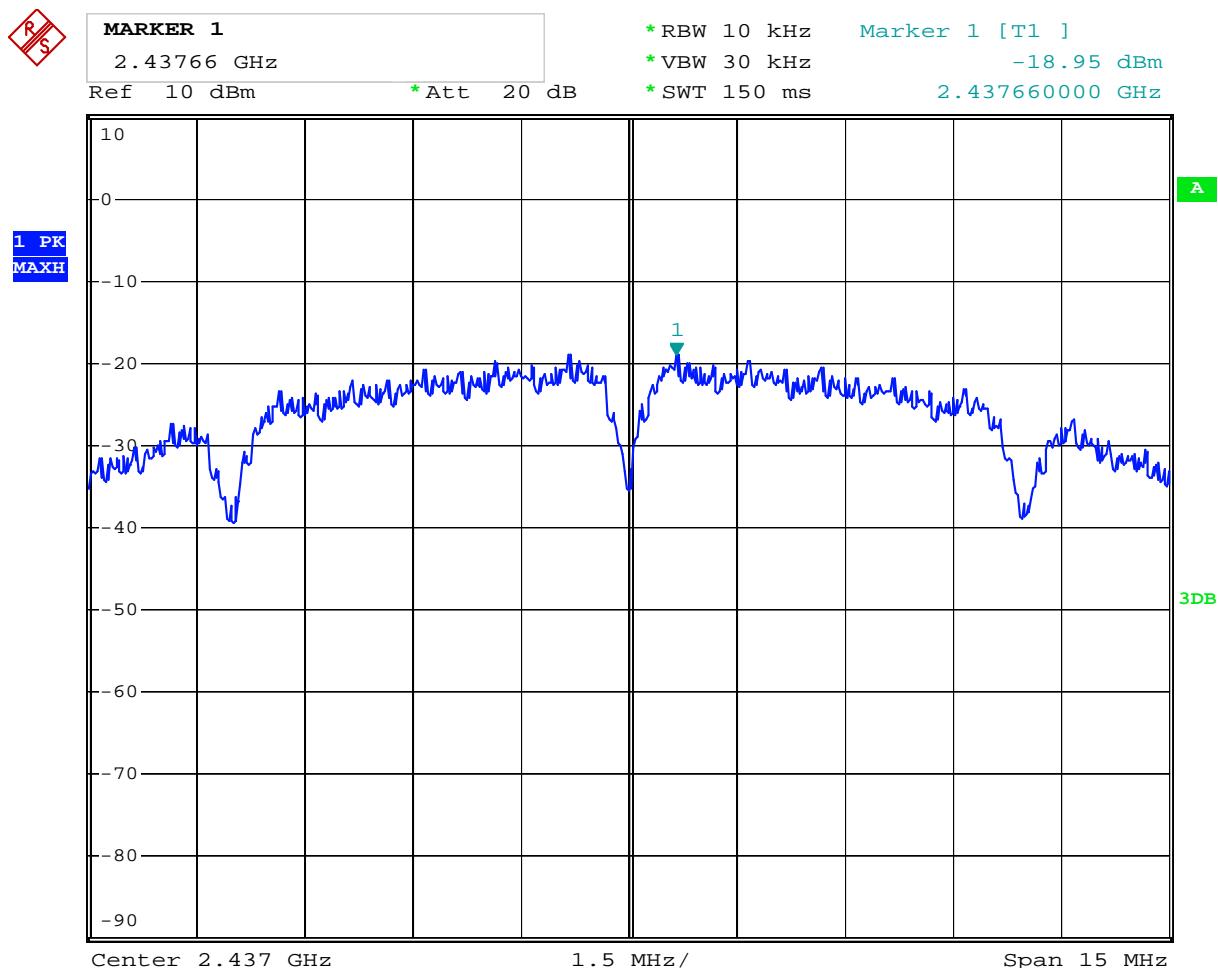
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Report No.: BATT201401010-02

2. 802.11b at 1Mbps of CH06



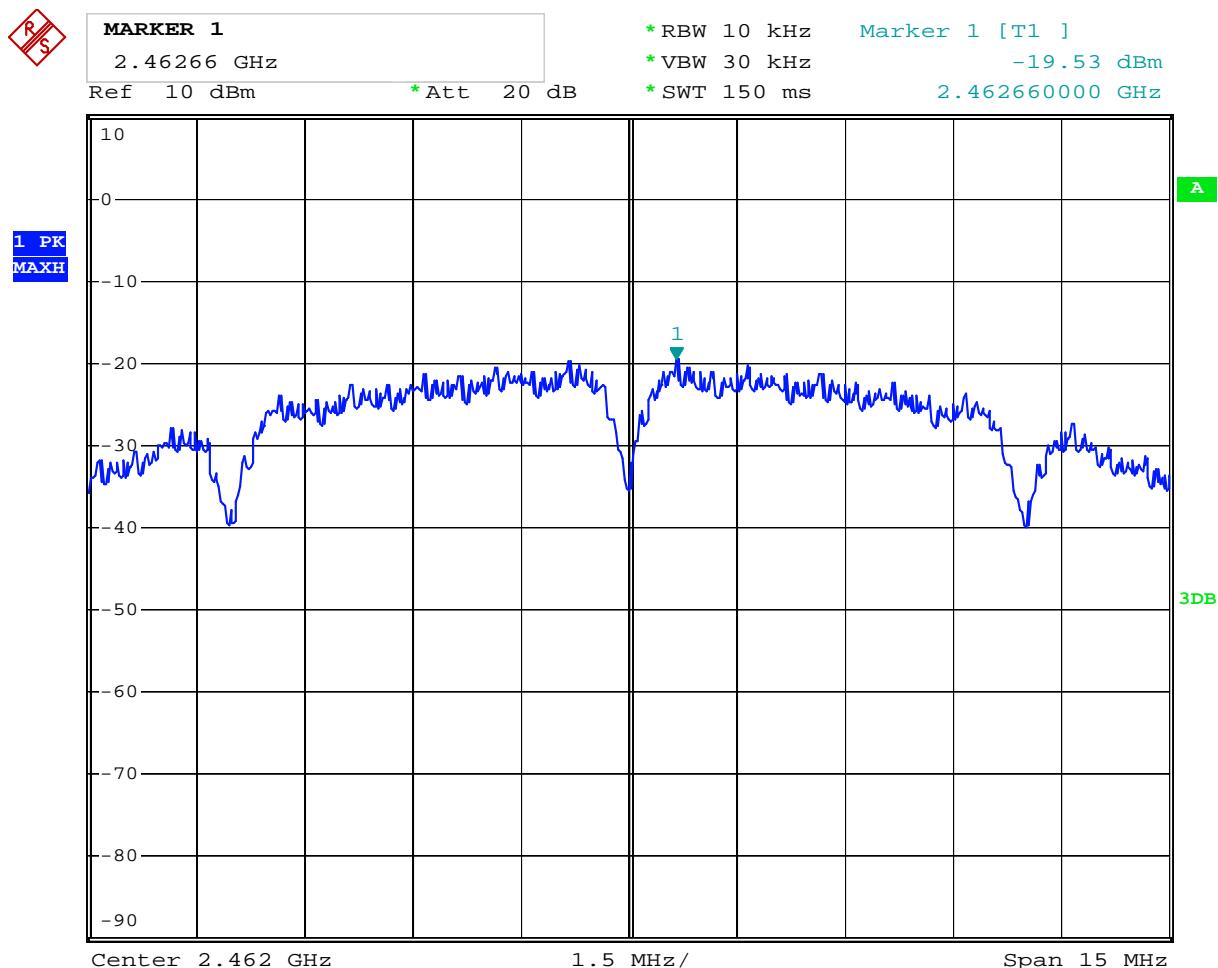
Date: 4.JAN.2014 10:11:22



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Report No.: BATT201401010-02

3. 802.11b at 1Mbps of CH11



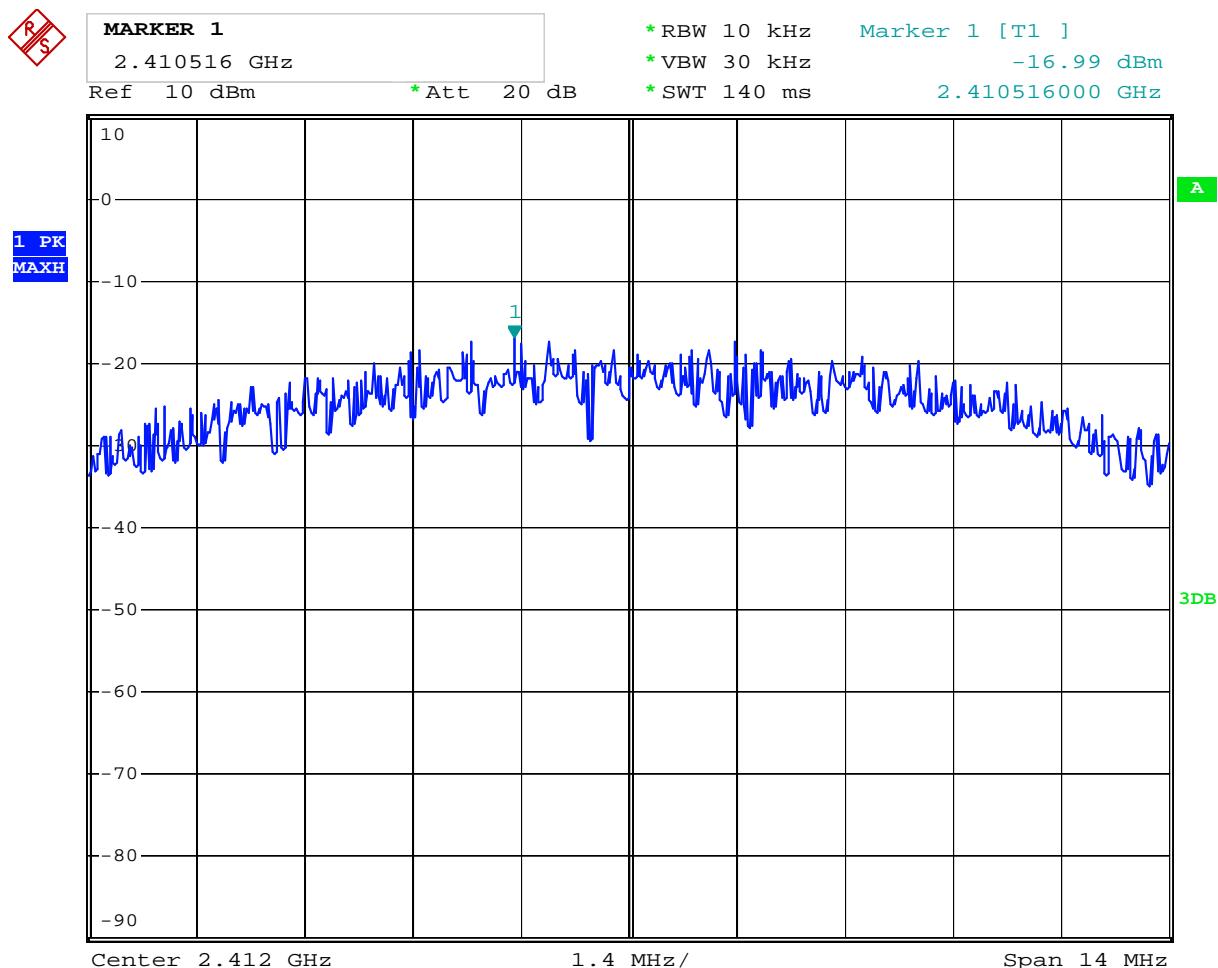
Date: 4.JAN.2014 10:27:52



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Report No.: BATT201401010-02

4. 802.11b at 11Mbps of CH01



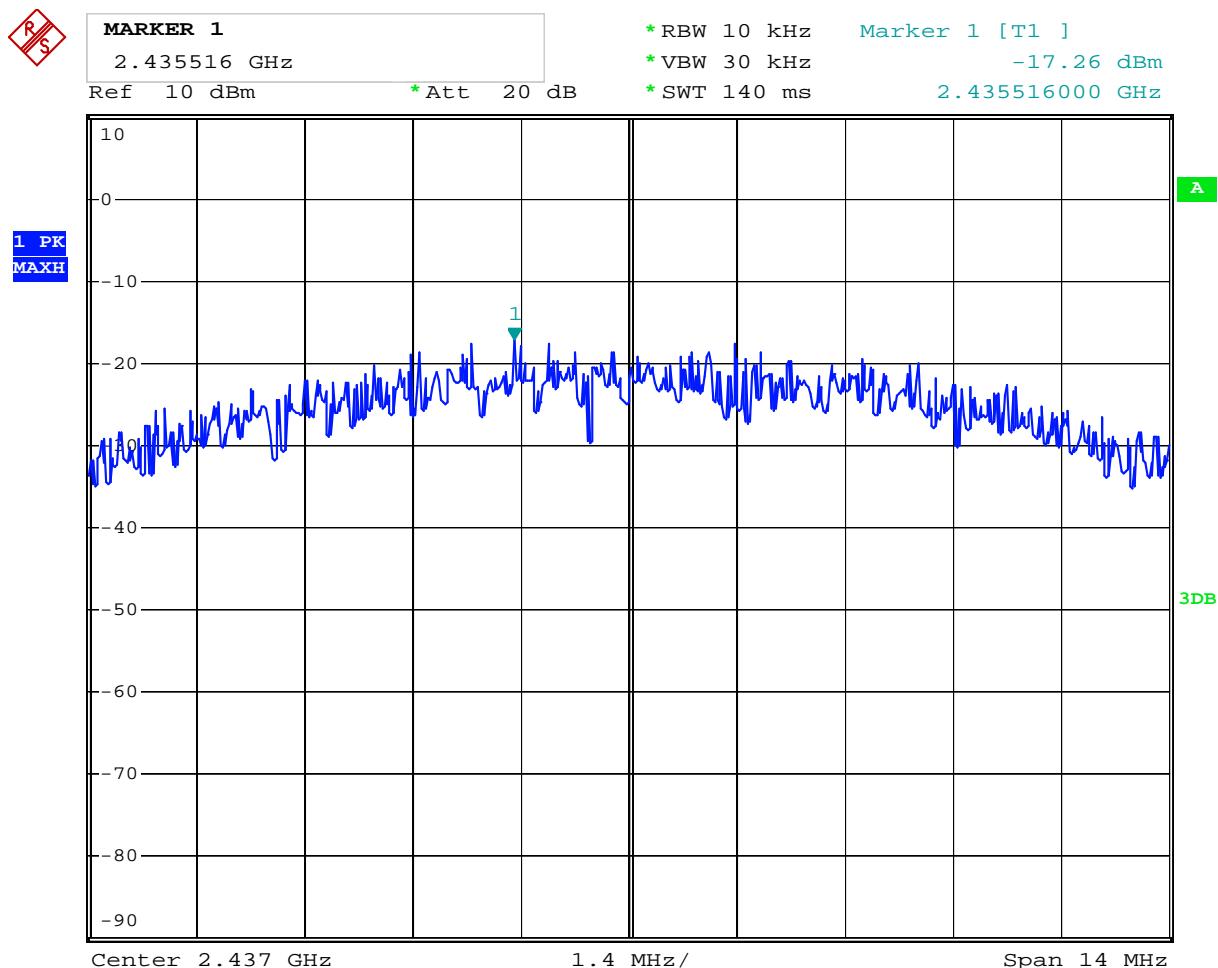
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Report No.: BATT201401010-02

5. 802.11b at 11Mbps of CH06



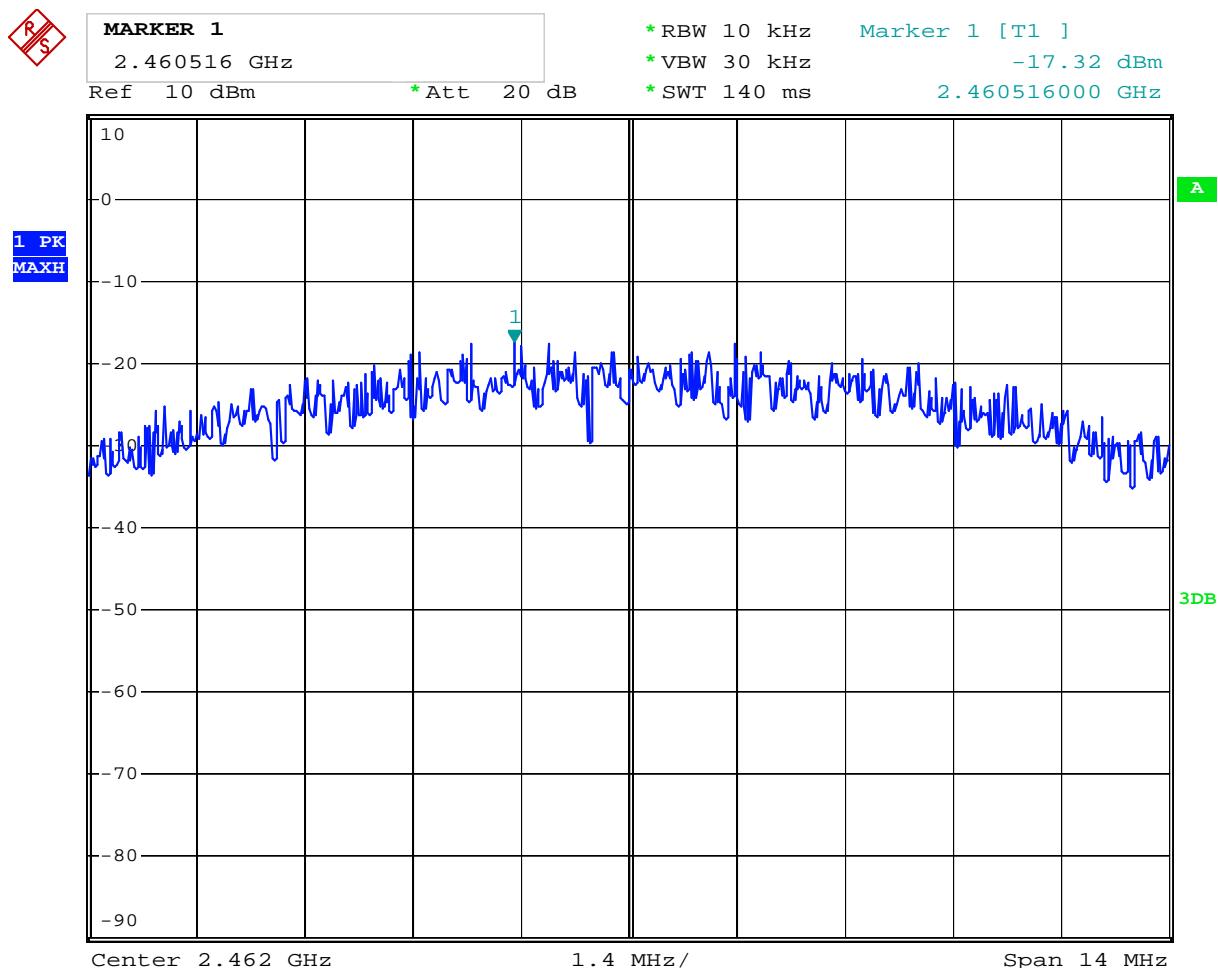
Date: 4.JAN.2014 10:13:05



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Report No.: BATT201401010-02

6. 802.11b at 11Mbps of CH11



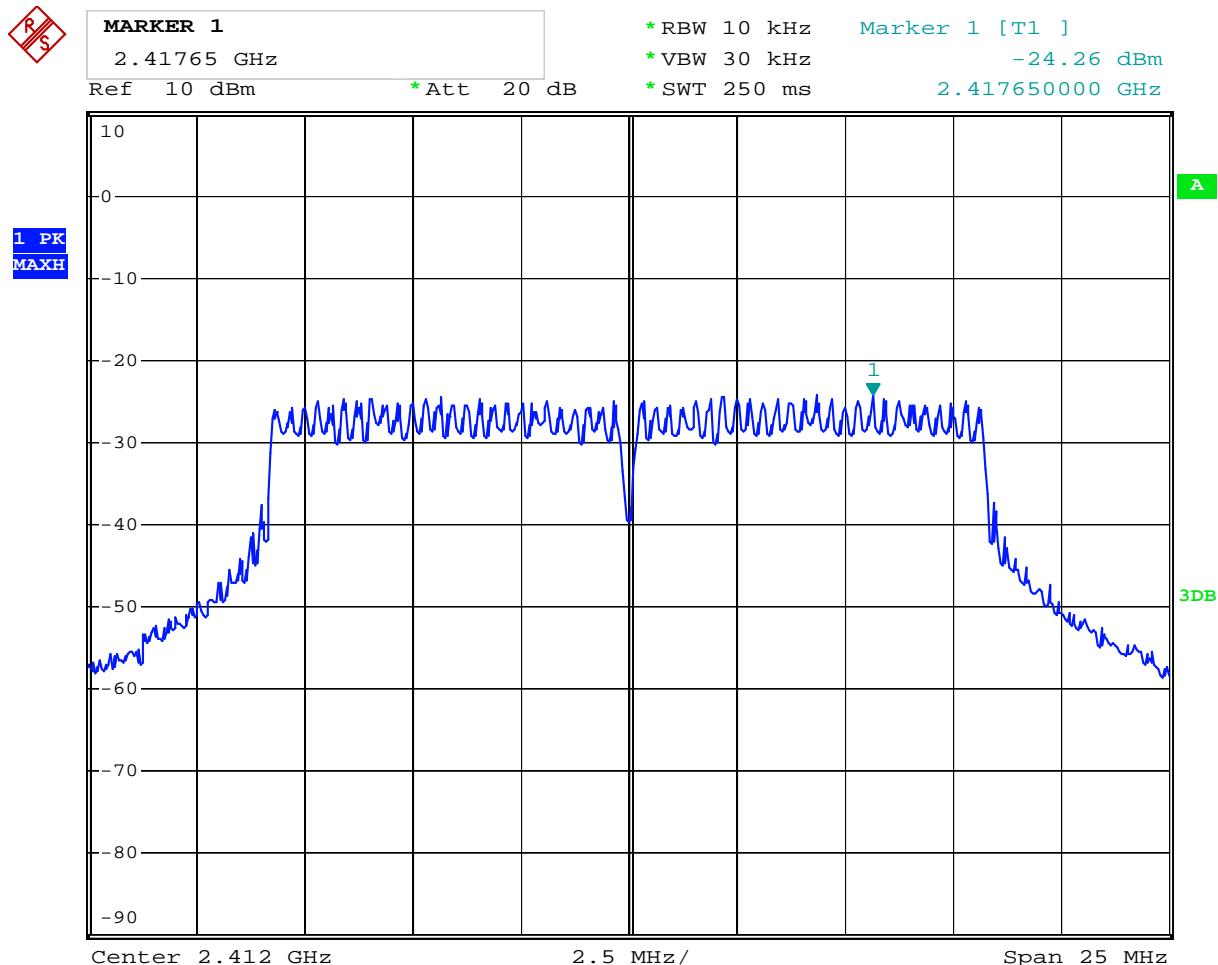
Date: 4.JAN.2014 10:13:49



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7. 802.11g at 54Mbps of CH1



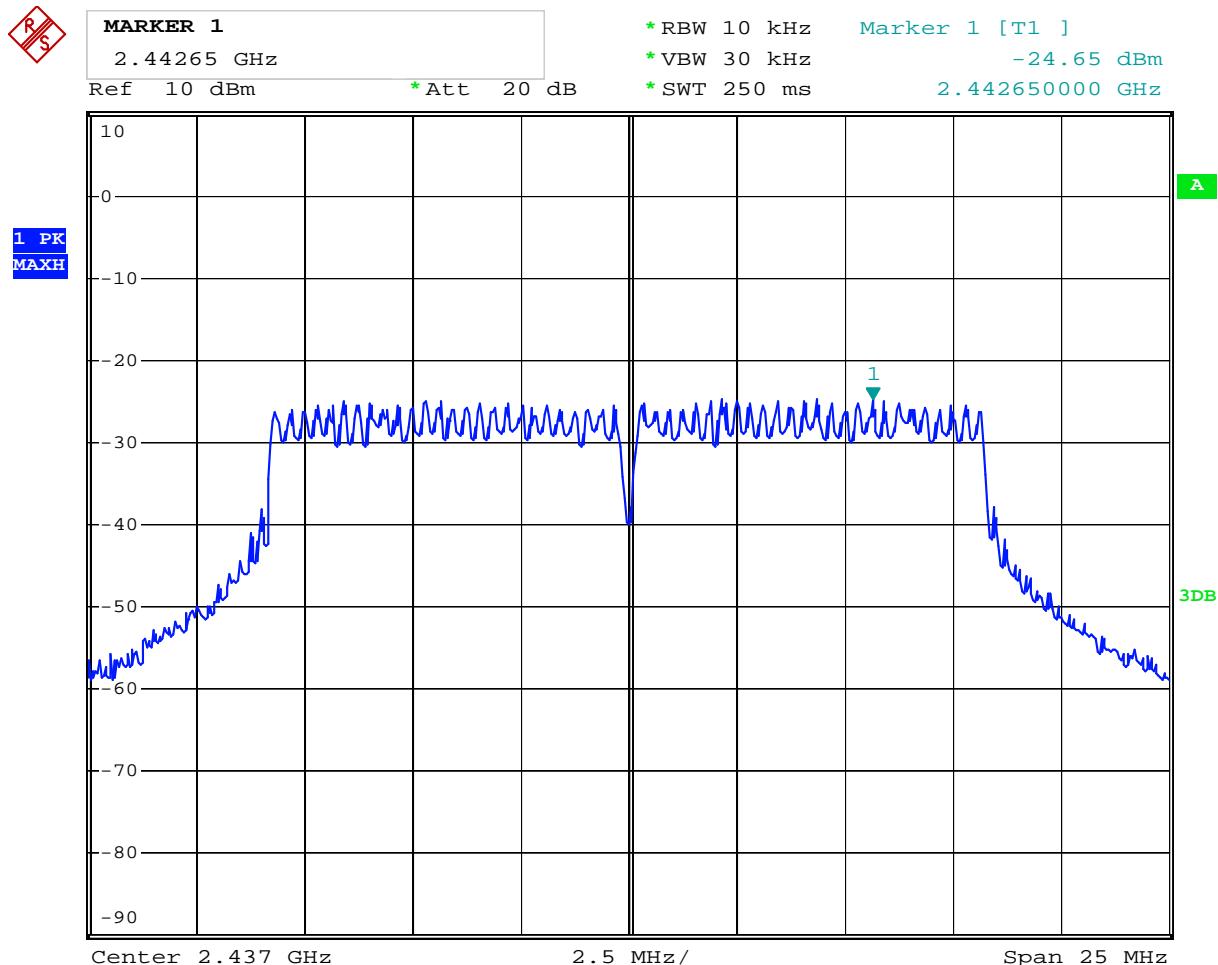
Date: 4.JAN.2014 10:07:08



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Report No.: BATT201401010-02

8. 802.11g at 54Mbps of CH6



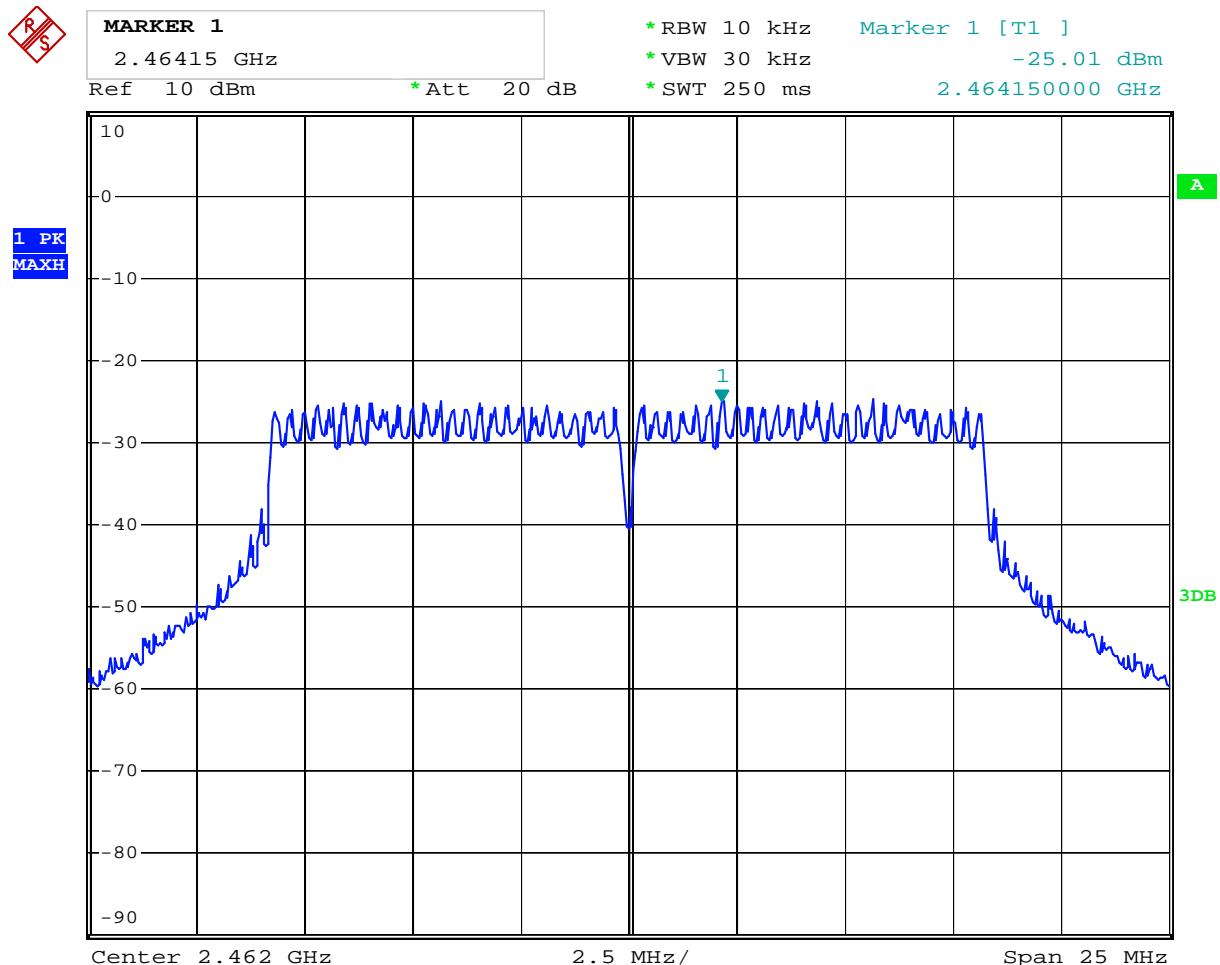
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Report No.: BATT201401010-02

9. 802.11g at 54Mbps of CH11



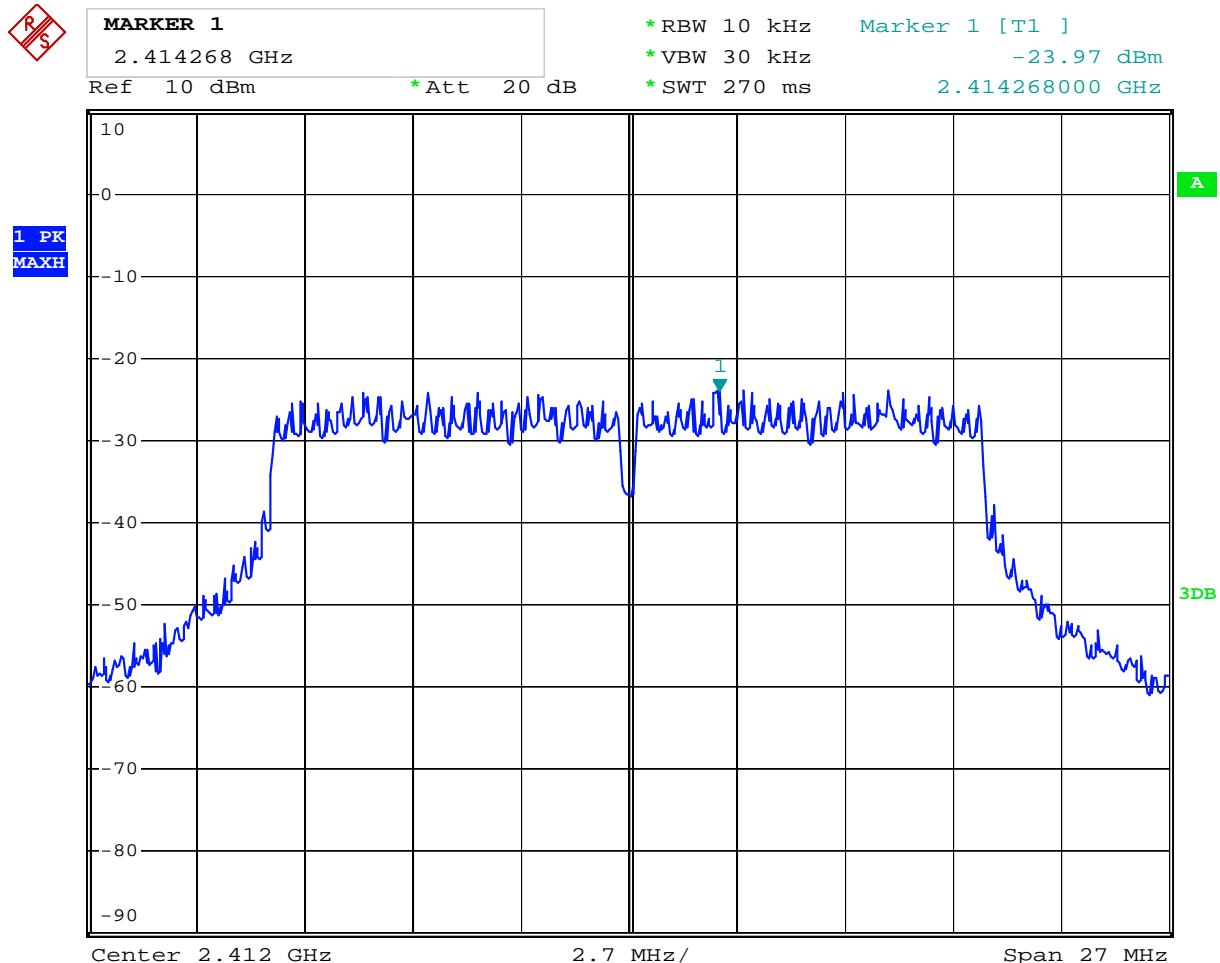
Date: 4.JAN.2014 10:14:41



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Report No.: BATT201401010-02

10. 802.11n at HT20 of CH01 65Mbps



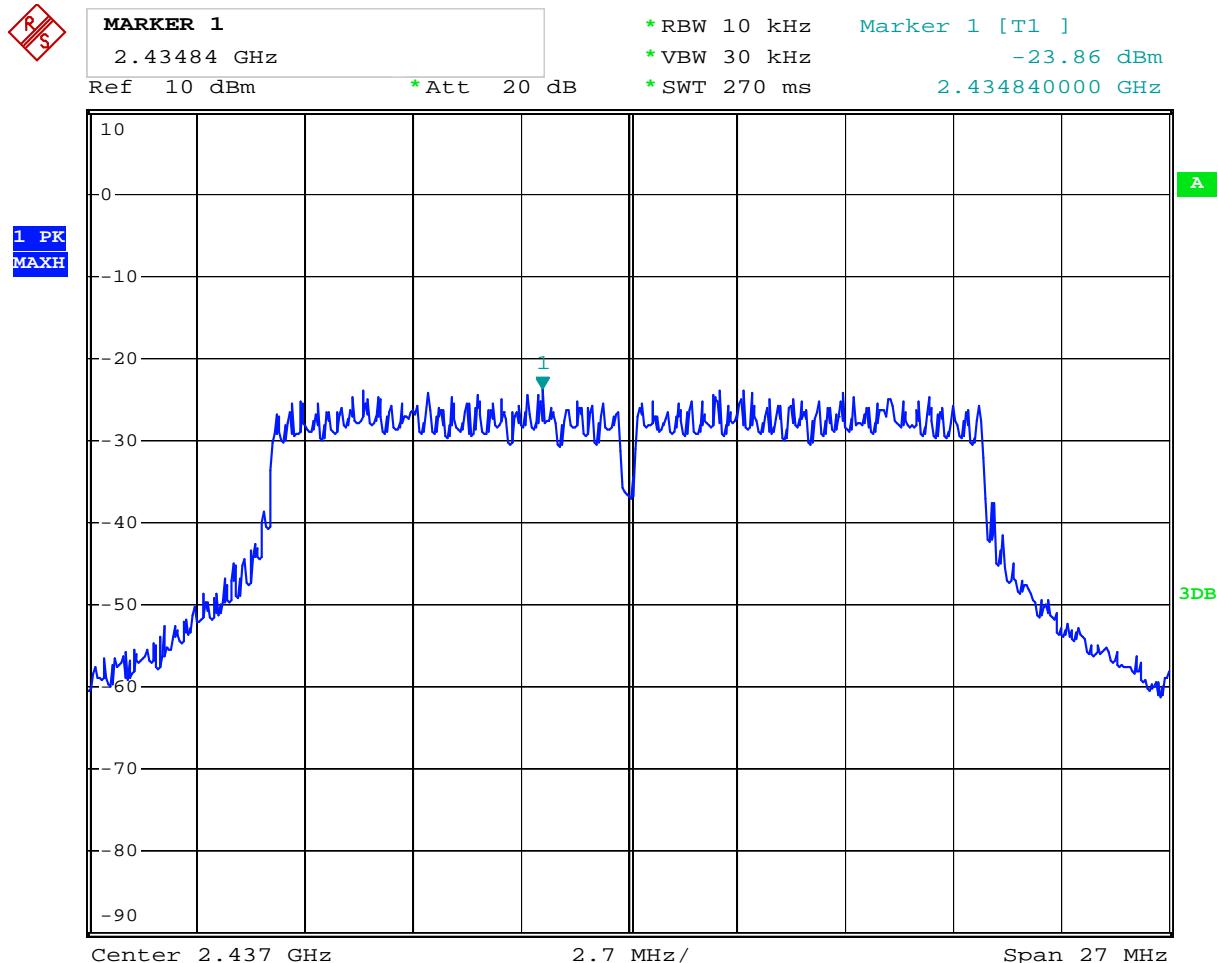
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11. 802.11n at HT20 of CH06 65Mbps



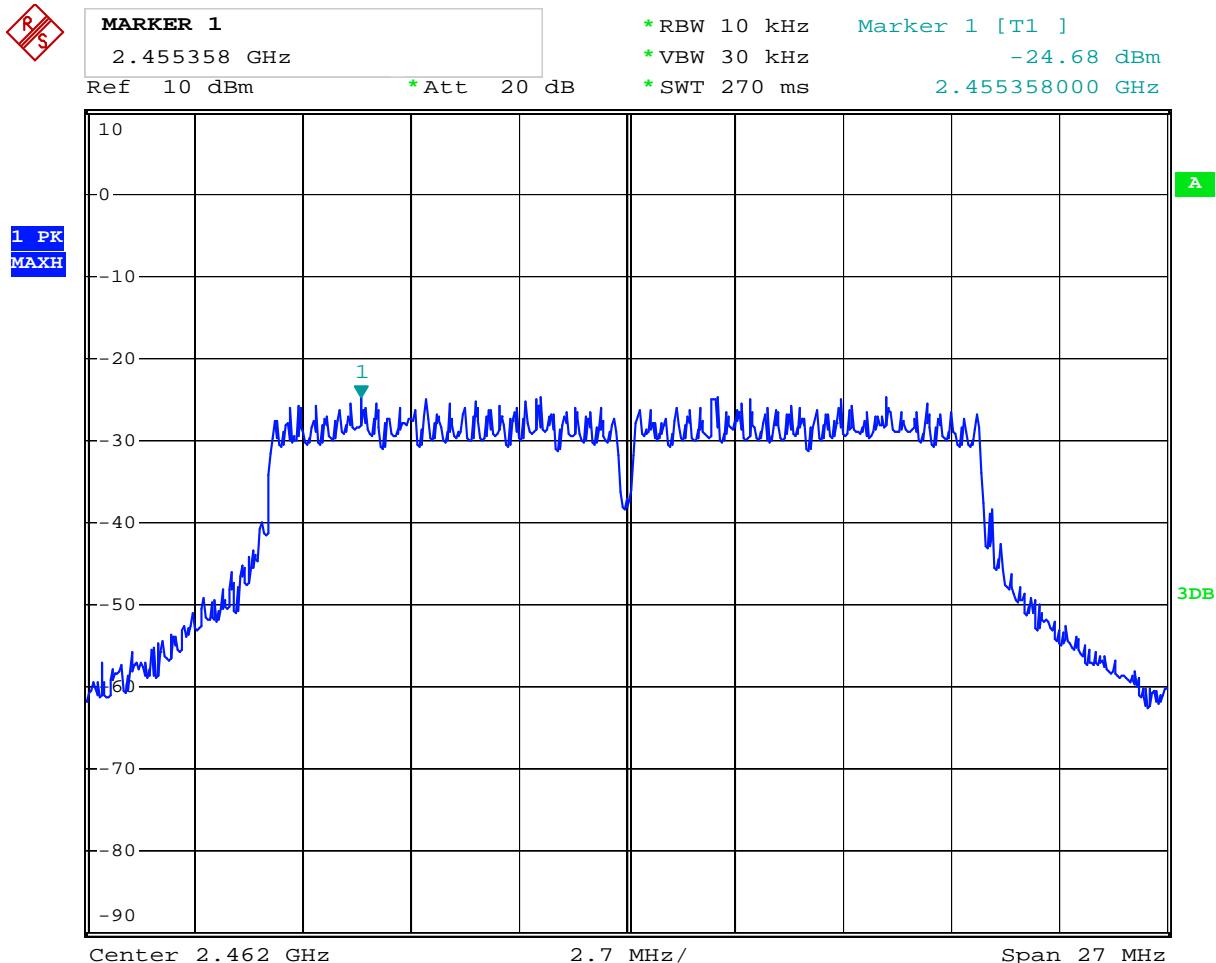
Date: 4.JAN.2014 10:10:31



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12. 802.11n at HT20 of CH11 65Mbps



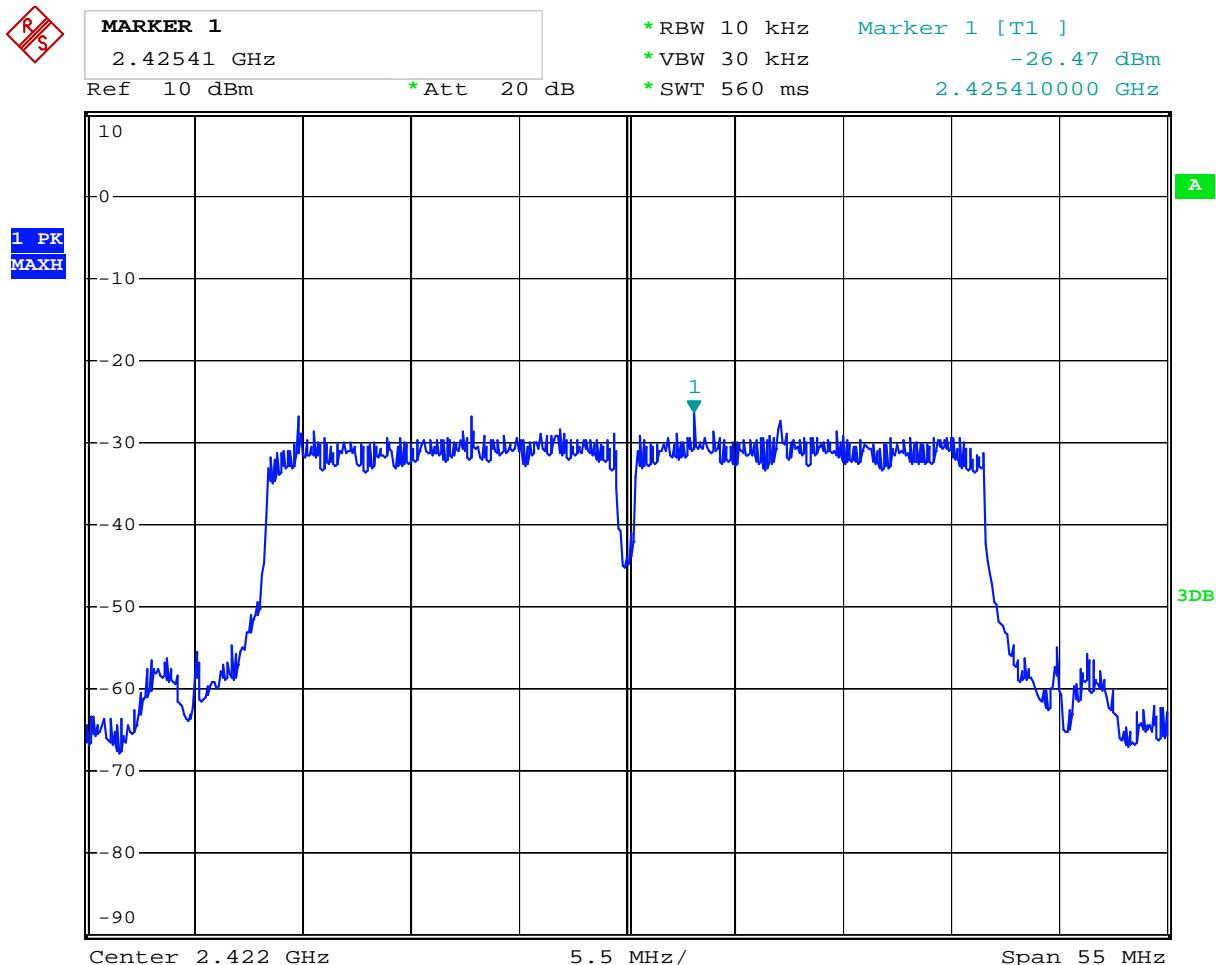
Date: 4.JAN.2014 10:29:26



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

13. 802.11n at HT40 of CH01 65Mbps



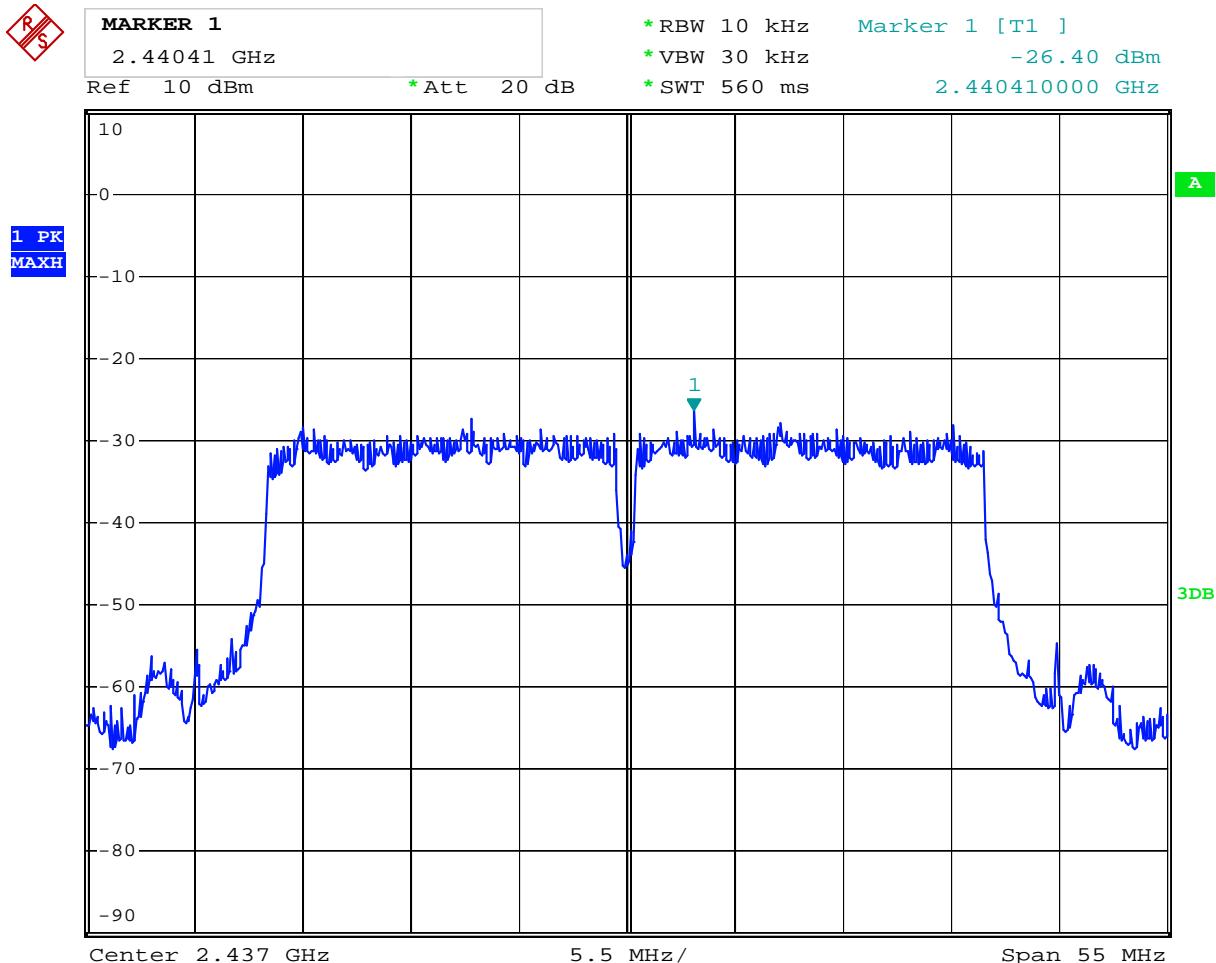
Date: 4.JAN.2014 10:31:25



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Report No.: BATT201401010-02

14. 802.11n at HT40 of CH04 65Mbps



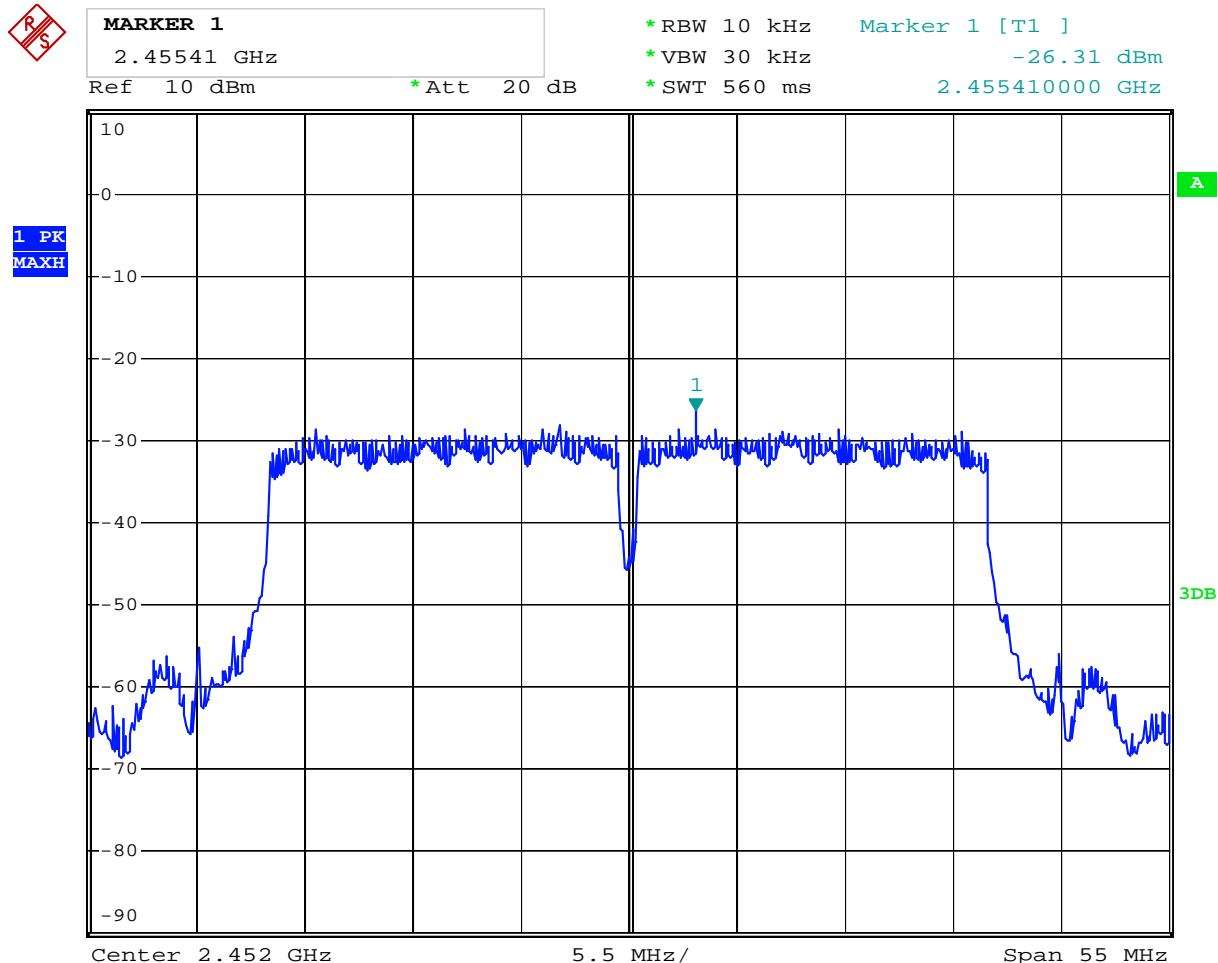
Date: 4.JAN.2014 10:32:47



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

15. 802.11n at HT40 of CH07 65Mbps

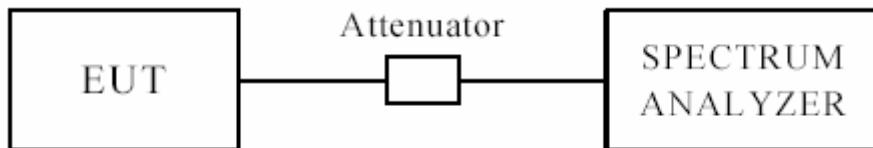


Date: 4.JAN.2014 10:33:53



10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

1. Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test.(Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=100kHz, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

- Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. The worse case was recorded. And It met the FCC rule.
2. This is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand). After pre-test. It was found that the worse radiated emission was get at the lying position.



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Report No.: BATT201401010-02

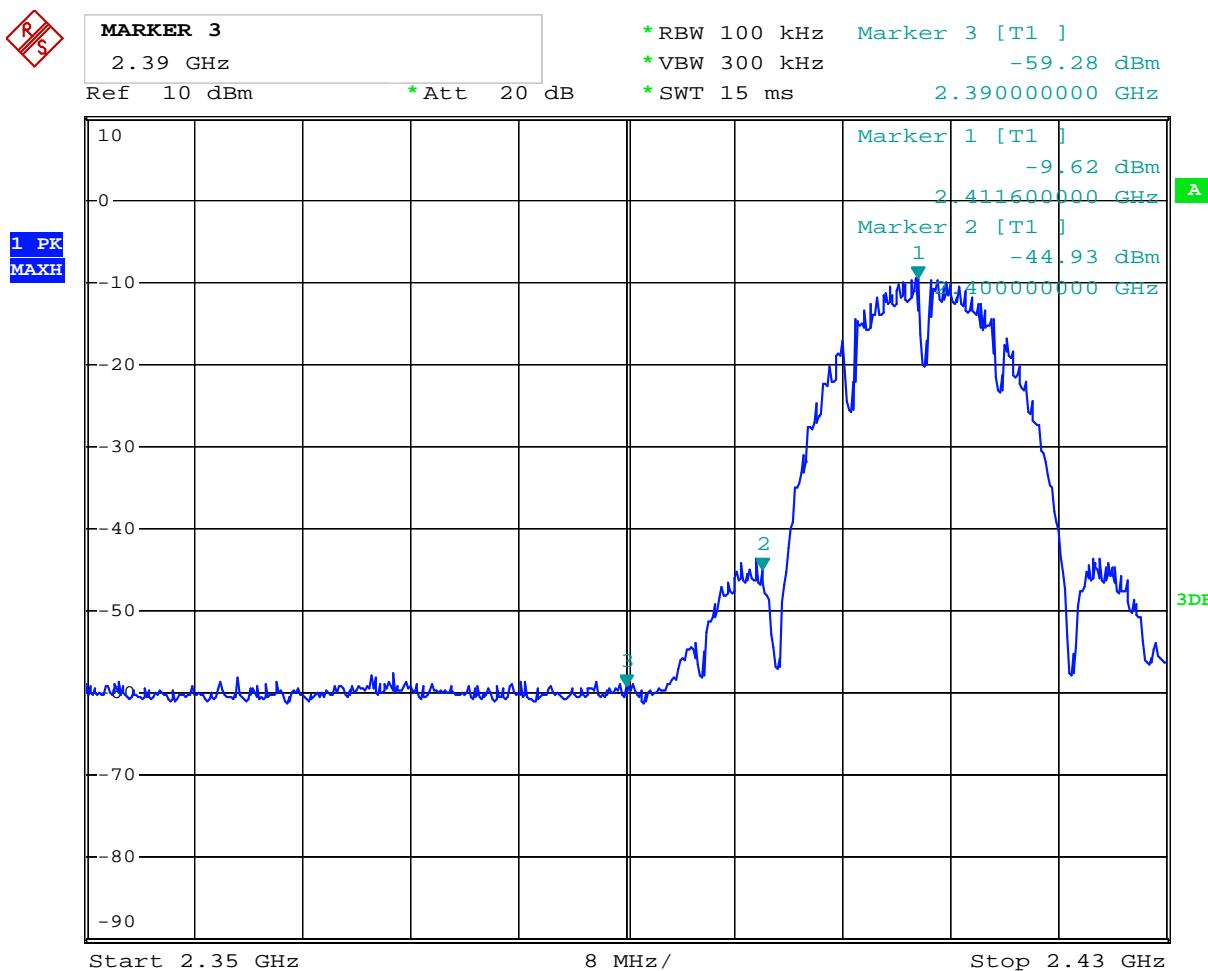
For 802.11b mode

CH01 at 1Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2400MHz	PK (dB μ V/m)	49.5	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)
2390MHz	PK (dB μ V/m)	40.5	Limit	74(dB μ V/m)
	AV (dB μ V/m)			54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:37:44



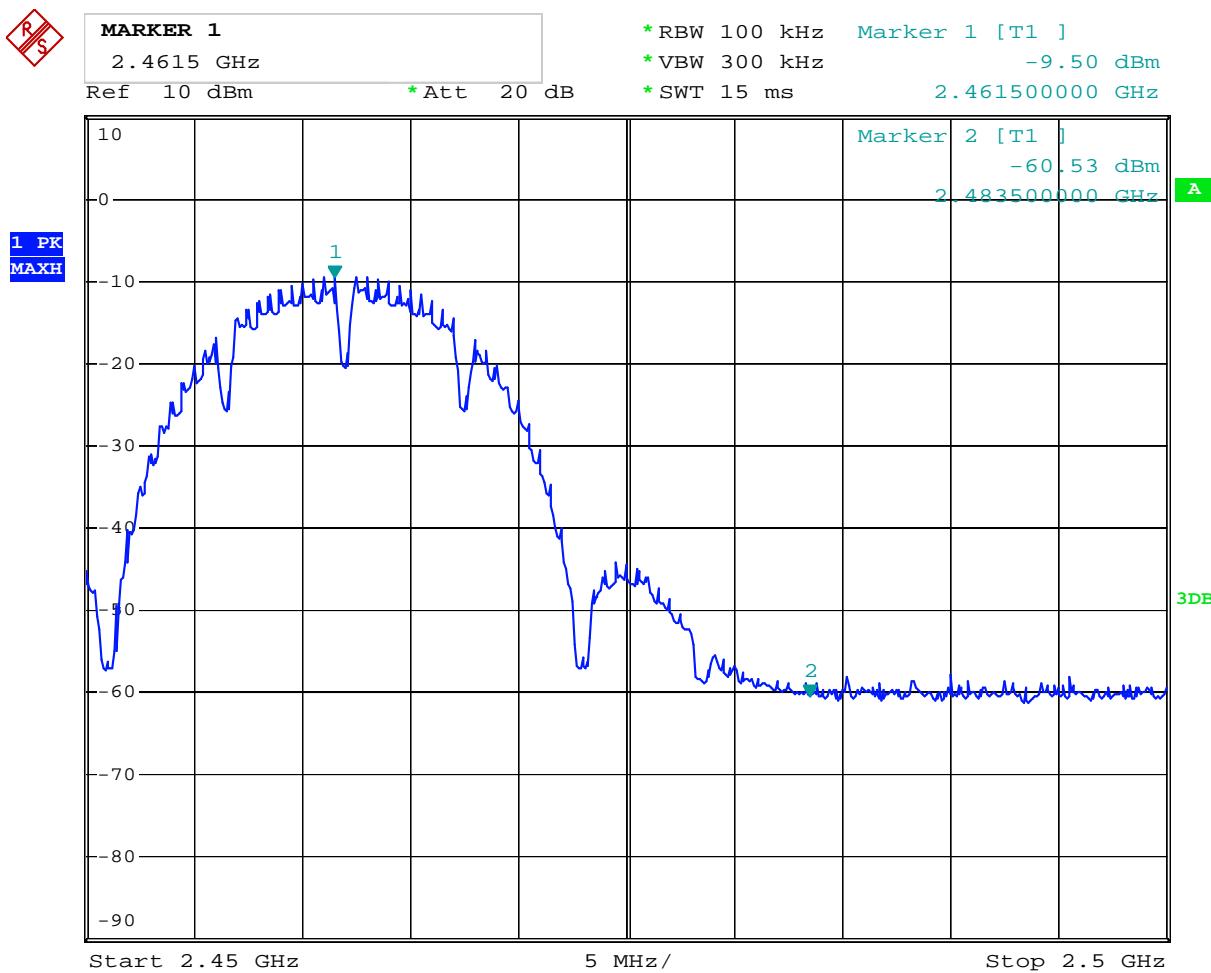
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Report No.: BATT201401010-02

CH11 at 1Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2483.5	PK (dB μ V/m)	43.9	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:

Date: 4.JAN.2014 10:44:58



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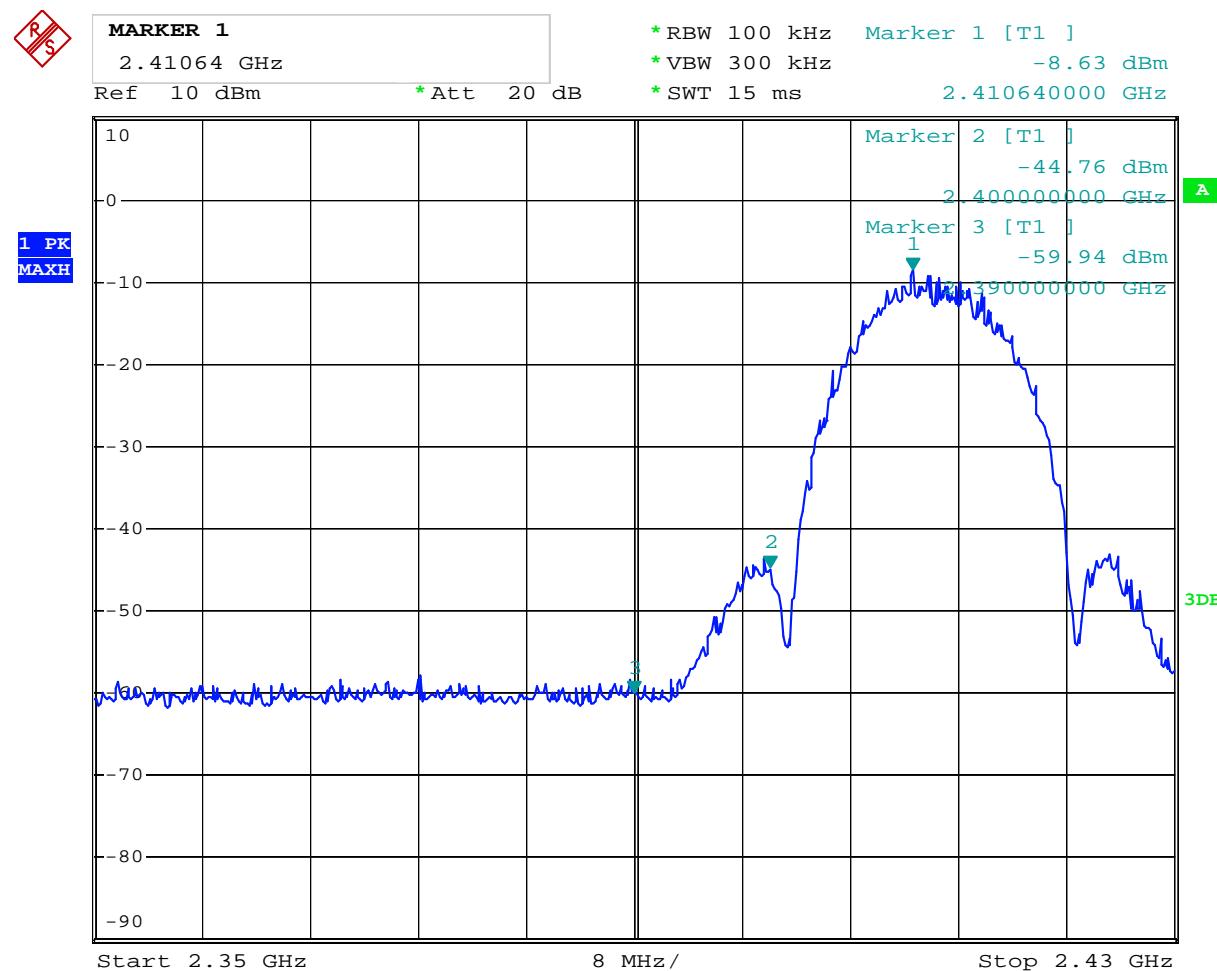
Report No.: BATT201401010-02

For 802.11b mode

CH01 at 11Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2400MHz	PK (dB μ V/m)	50.7	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)
2390MHz	PK (dB μ V/m)	43.9	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:

Date: 4.JAN.2014 10:39:56



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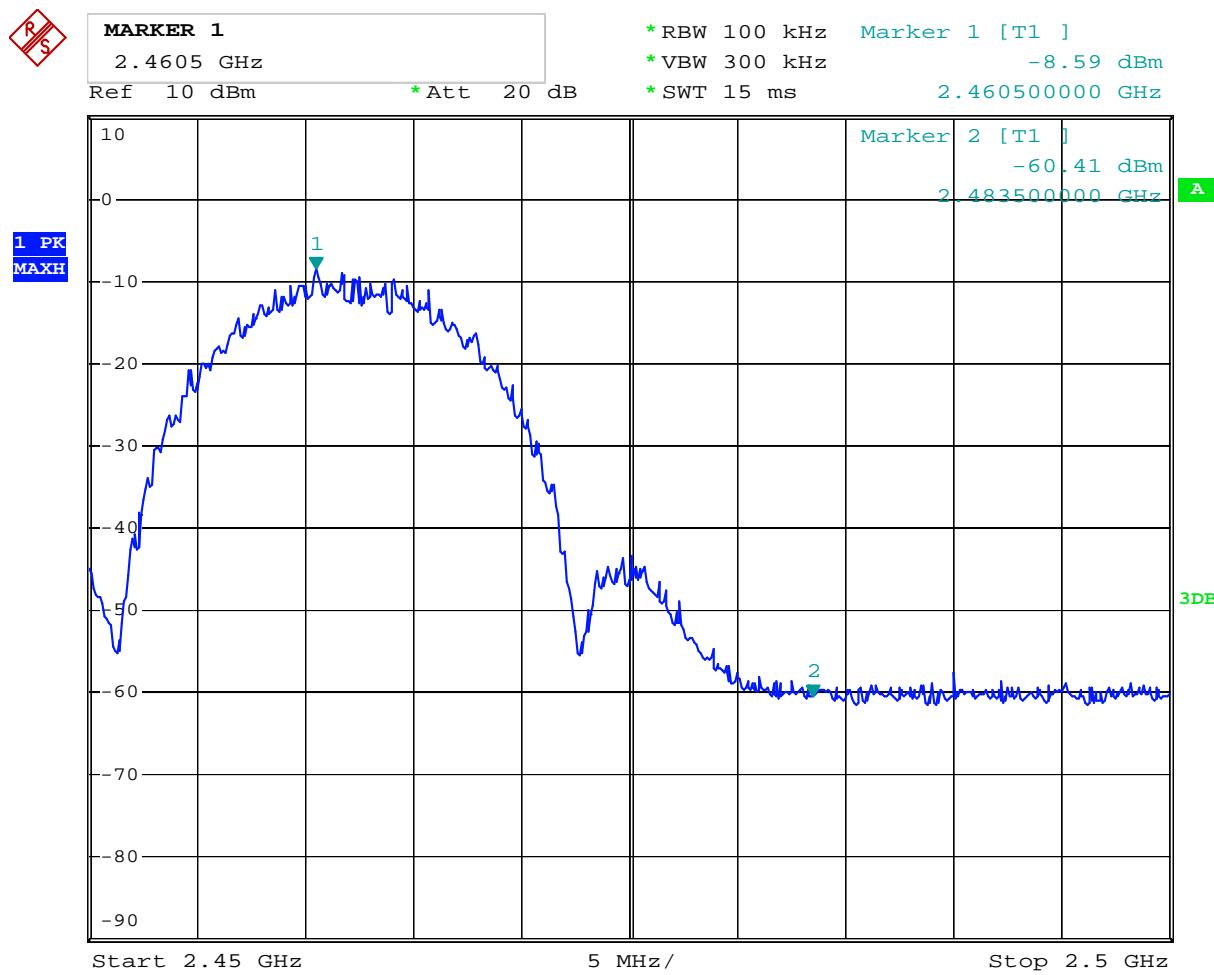
Report No.: BATT201401010-02

CH11 at 11Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2483.5	PK (dB μ V/m)	44.6	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:46:29



Shenzhen BATT Testing Technology Co., Ltd.

Report No.: BATT201401010-02

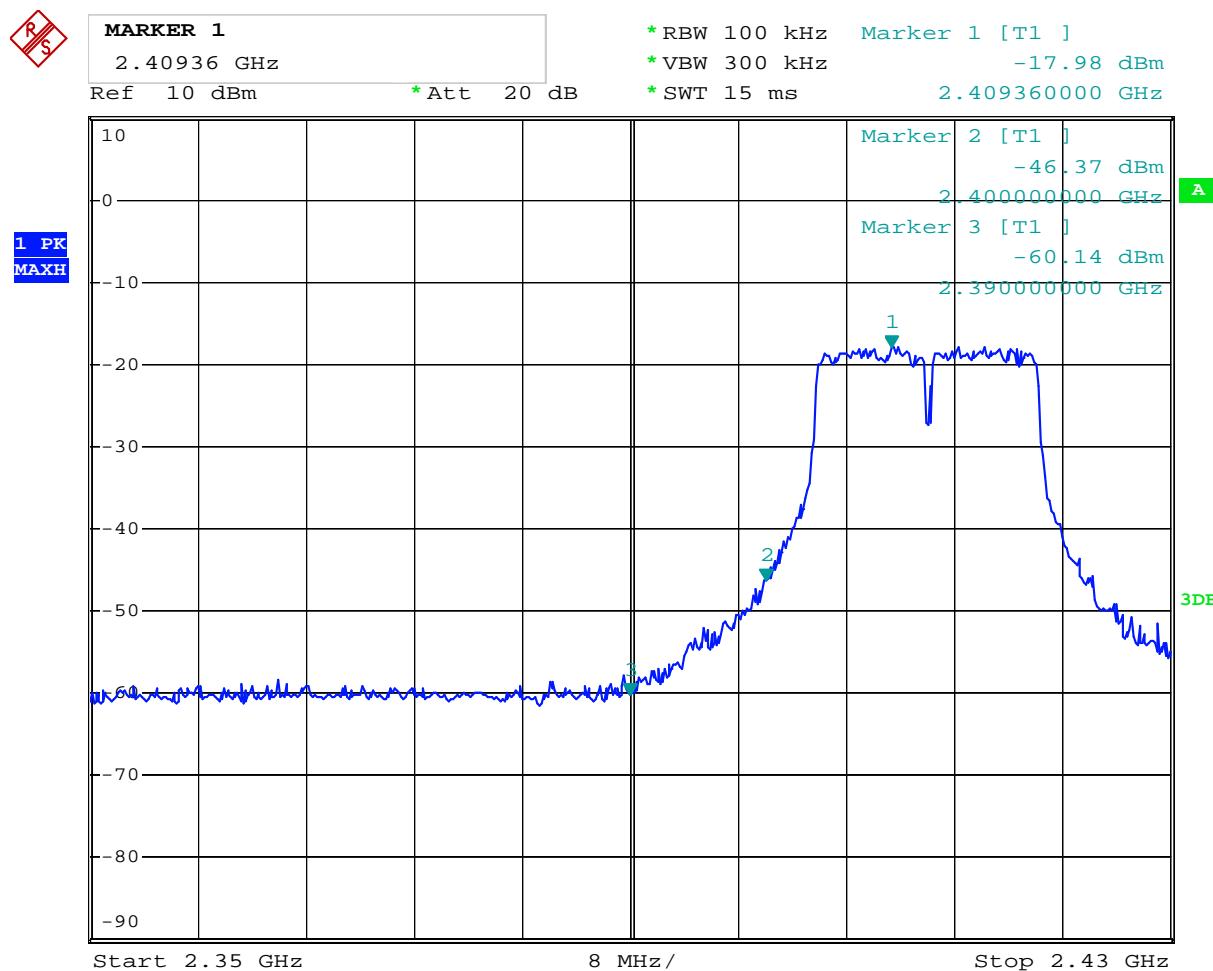
For 802.11g mode

CH01 at 54Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2400MHz	PK (dB μ V/m)	47.8	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)
2390MHz	PK (dB μ V/m)	42.6	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:39:20



Shenzhen BATT Testing Technology Co., Ltd.

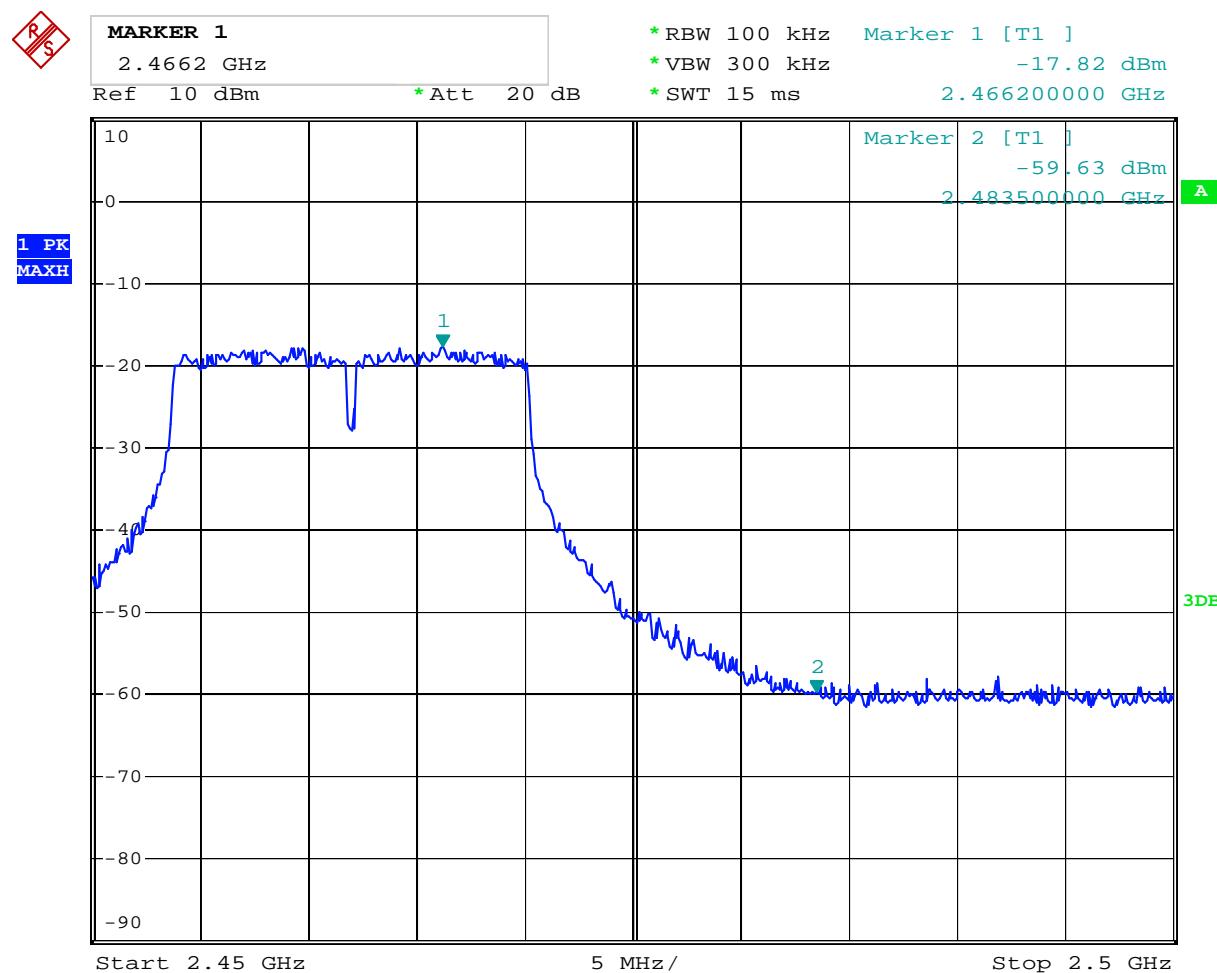
Report No.: BATT201401010-02

CH11 at 54Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2483.5	PK (dB μ V/m)	43.6	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:45:43



Shenzhen BATT Testing Technology Co., Ltd.

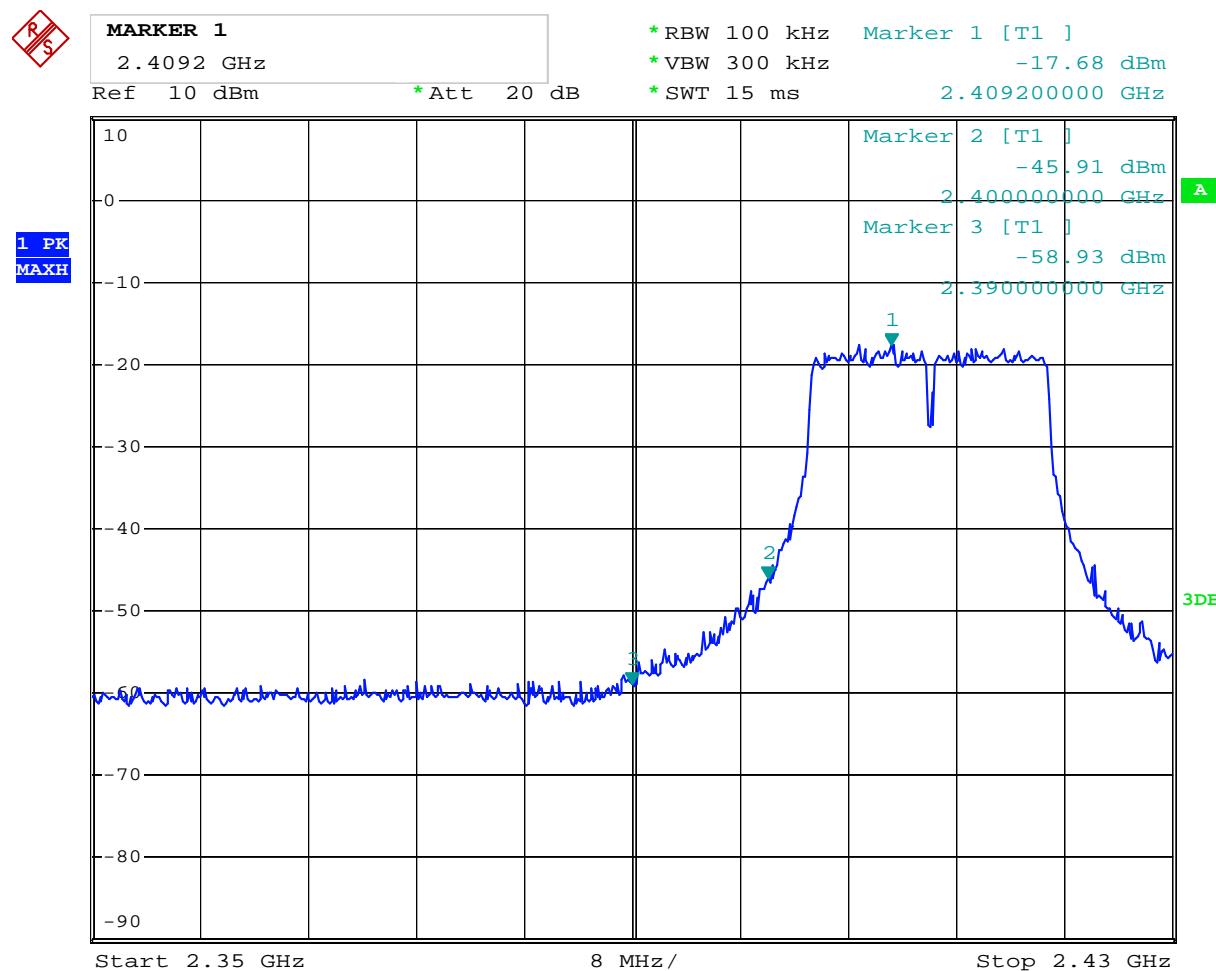
Report No.: BATT201401010-02

For 802.11n mode

CH01 at HT20 65Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2400MHz	PK (dB μ V/m)	47.3	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)
2390MHz	PK (dB μ V/m)	42.2	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:

Date: 4.JAN.2014 10:40:31



Shenzhen BATT Testing Technology Co., Ltd.

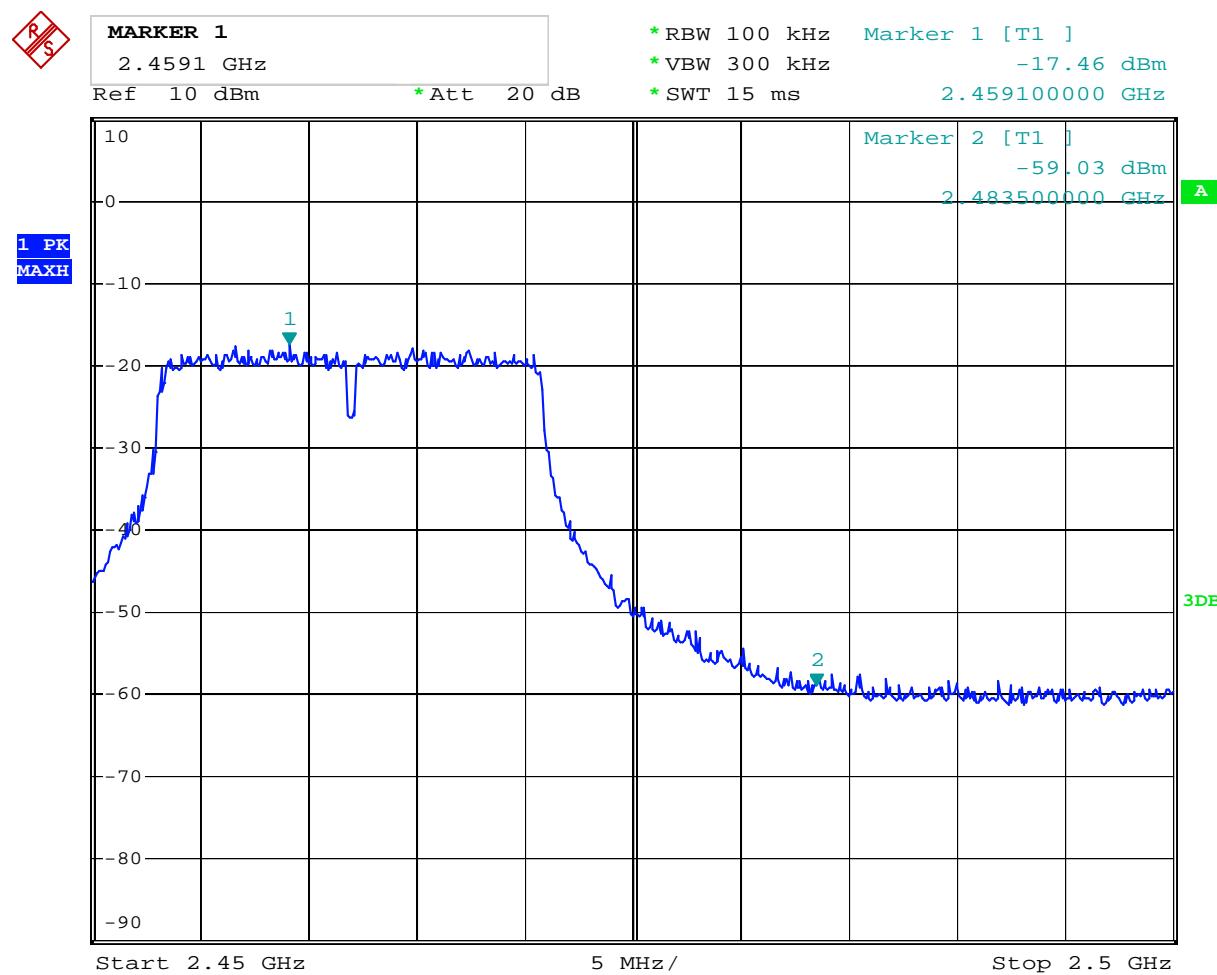
Report No.: BATT201401010-02

CH11 at HT20 65Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2483.5	PK (dB μ V/m)	43.1	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:47:19



Shenzhen BATT Testing Technology Co., Ltd.

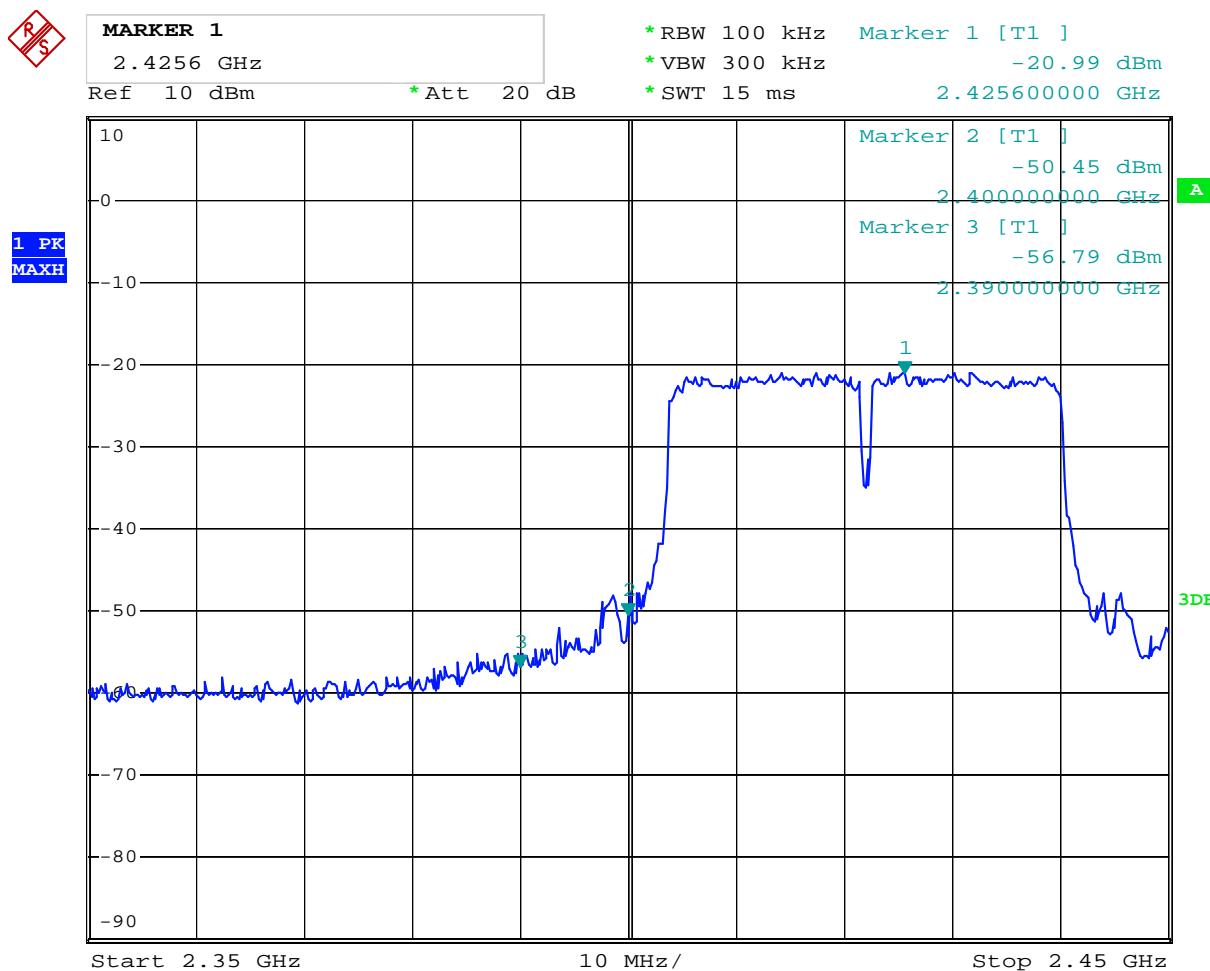
Report No.: BATT201401010-02

For 802.11n mode

CH01 at HT40 65Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2400MHz	PK (dB μ V/m)	46.6	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)
2390MHz	PK (dB μ V/m)	41.7	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:

Date : 4.JAN.2014 10:41:53



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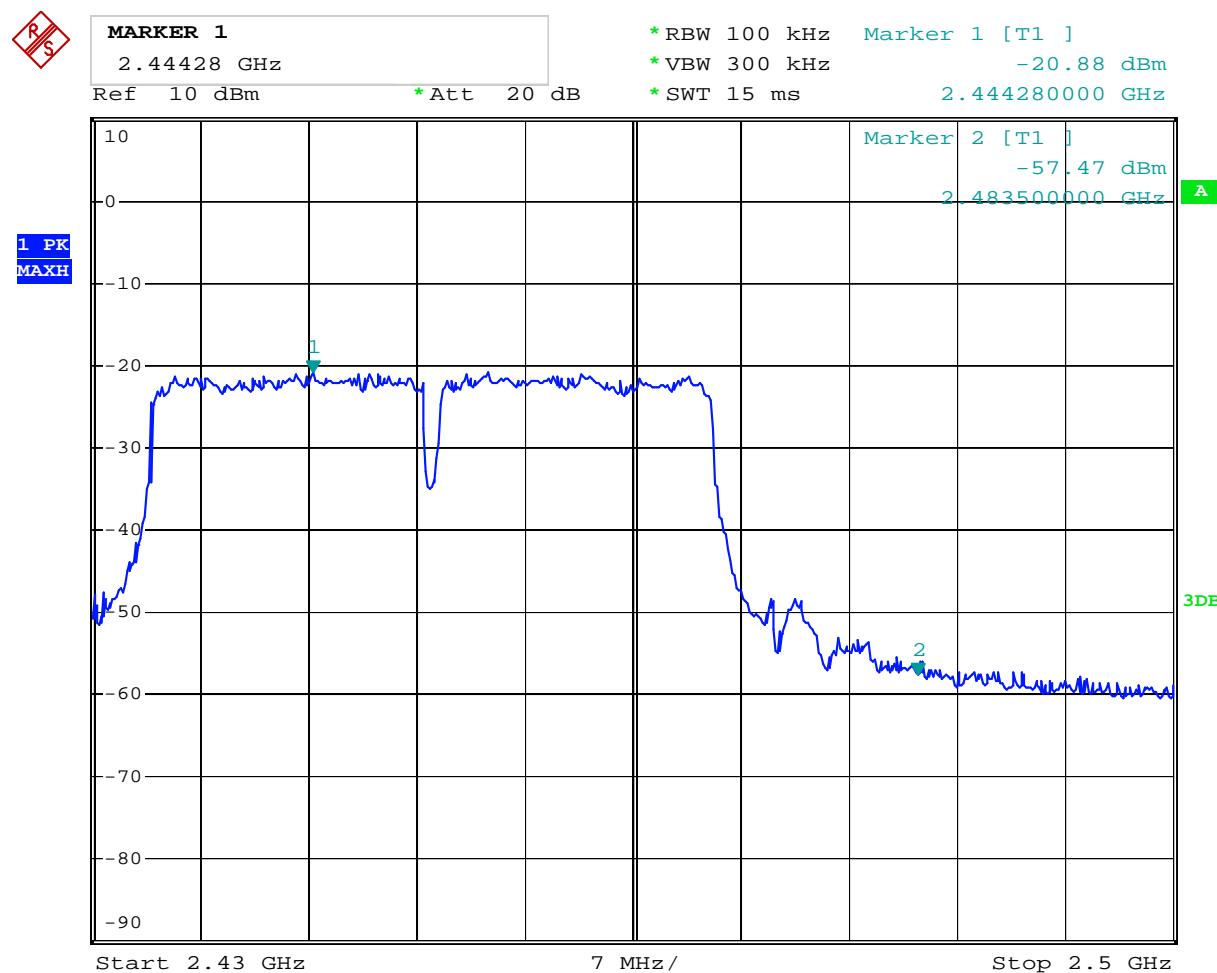
Report No.: BATT201401010-02

CH11 at HT40 65Mbps

10.4 Band-edge Measurement

EUT	Tablet PC		Model	M9706
Mode	Keeping Transmitting		Input Voltage	DC7.4V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
2483.5	PK (dB μ V/m)	43.0	Limit	74(dB μ V/m)
	AV (dB μ V/m)	--		54(dB μ V/m)

Test Figure:



Date: 4.JAN.2014 10:44:05



11.0 Antenna Requirement

11.1 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 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

Integral antenna used. The maximum Gain of the antennas is 1.97dBi.



12.0 FCC ID Label

FCC ID: 2AAQL- M9706

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



FCC ID Label Location



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Report No.: BATT201401010-02

13 PHOTOGRAPHS OF THE TEST CONFIGURATION

Conducted Emissions

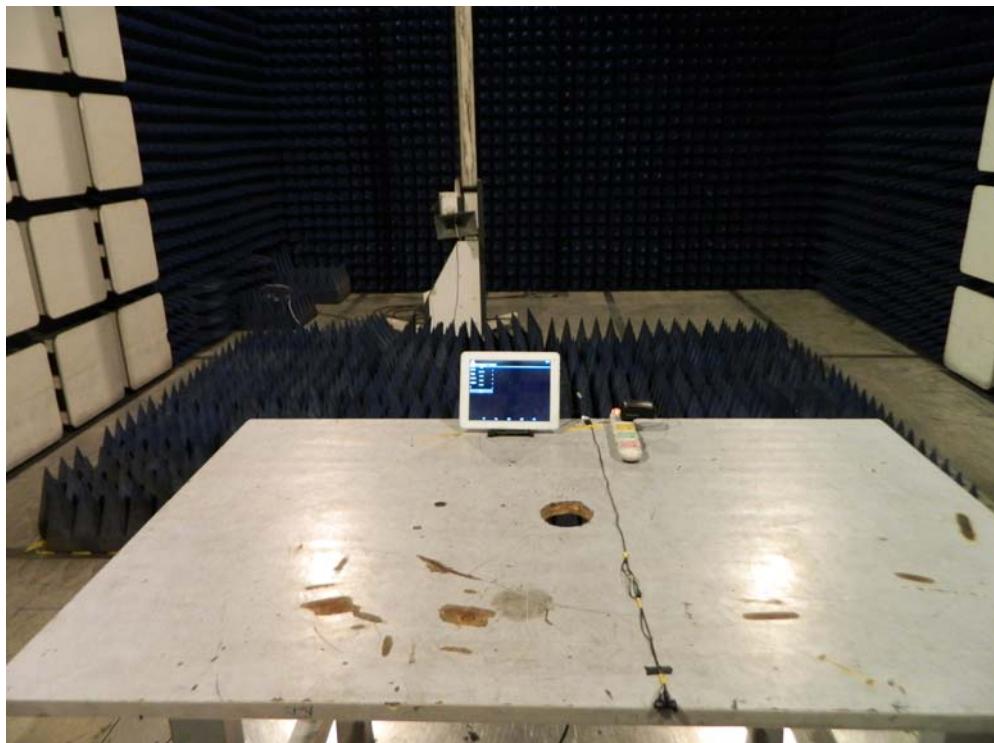
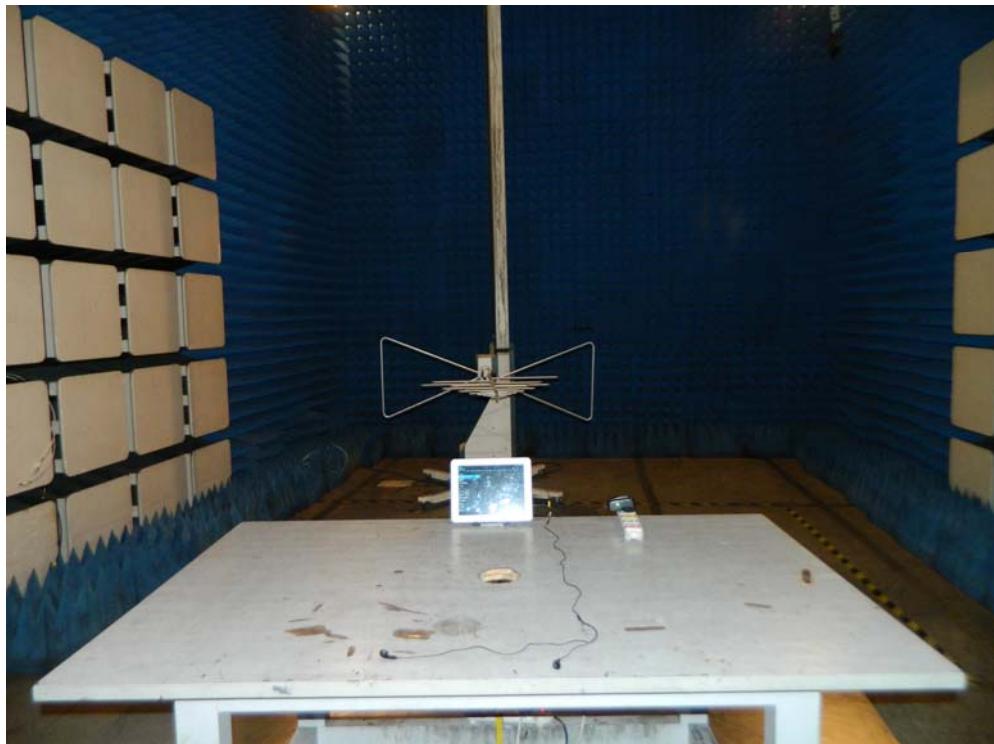




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Report No.: BATT201401010-02

Radiated Emissions





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PHOTOGRAPHS OF EUT



Photo 1



Photo 2



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Photo 3



Photo 4



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Photo 5



Photo 6



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Report No.: BATT201401010-02



Photo 7



Photo 8

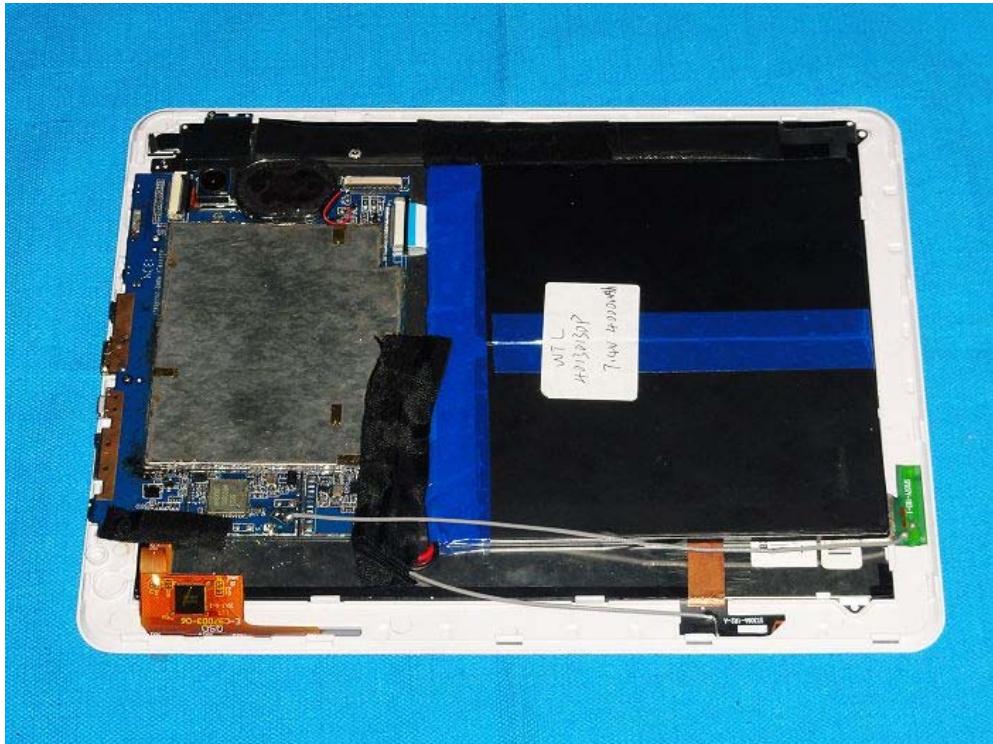


Photo 9

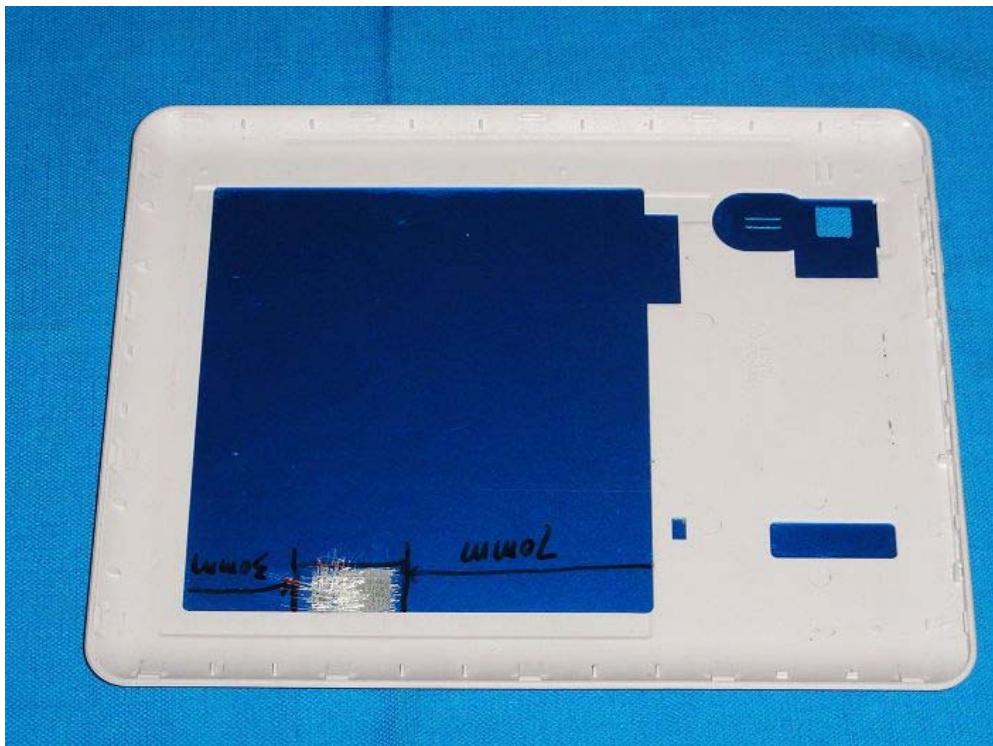


Photo 10



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Report No.: BATT201401010-02



Photo 11

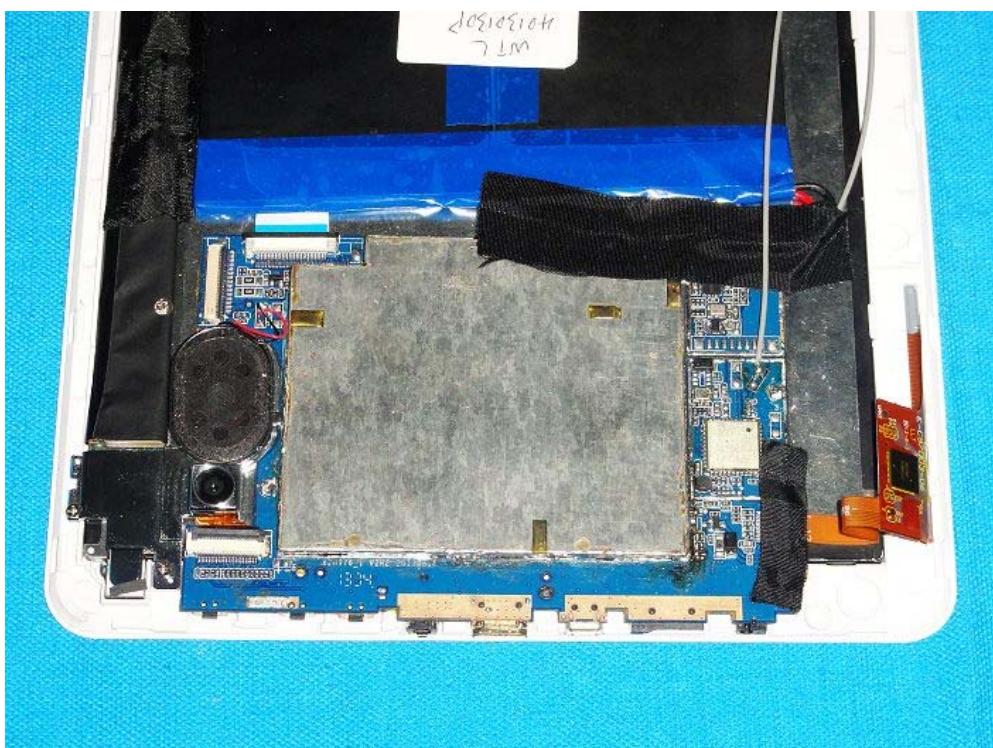


Photo 12

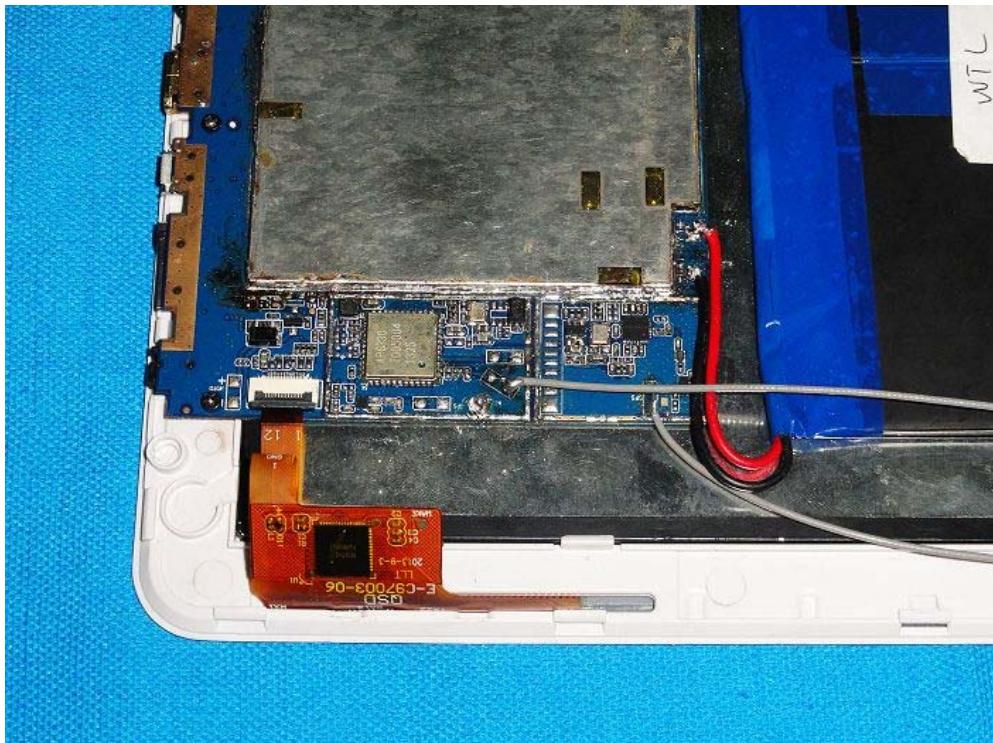


Photo 13



Photo 14

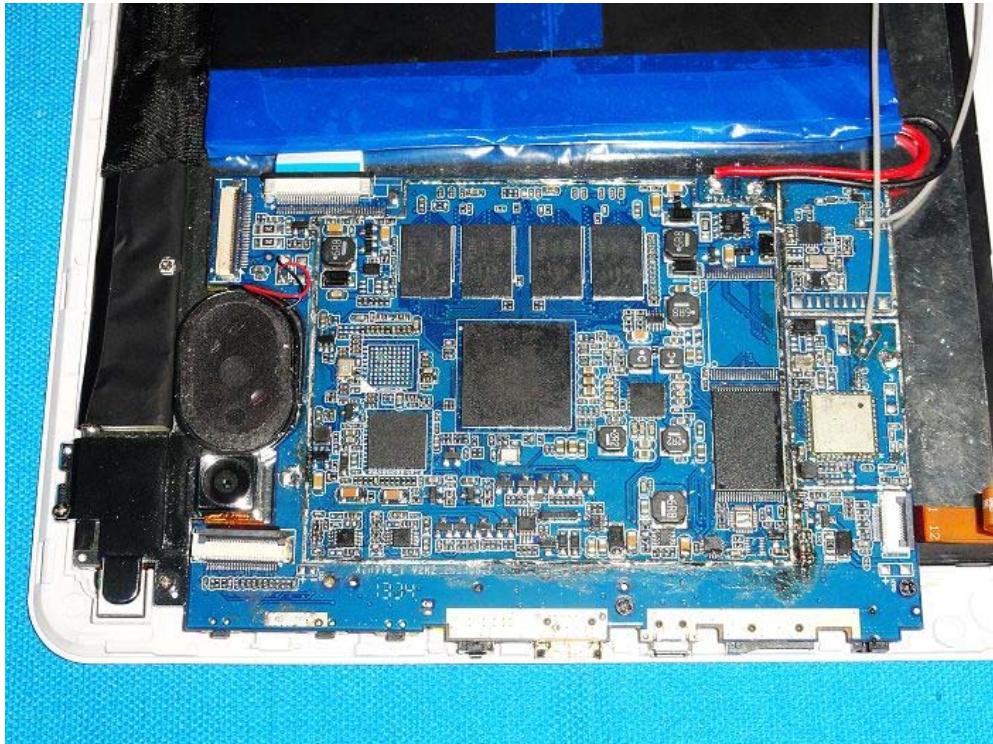


Photo 15

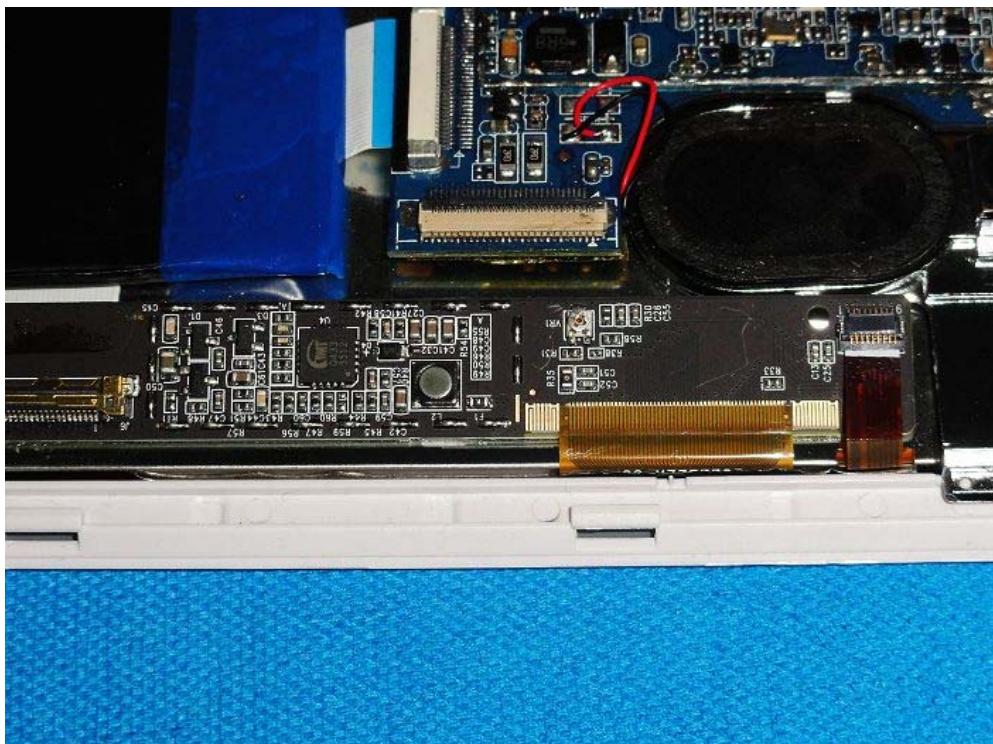


Photo 16

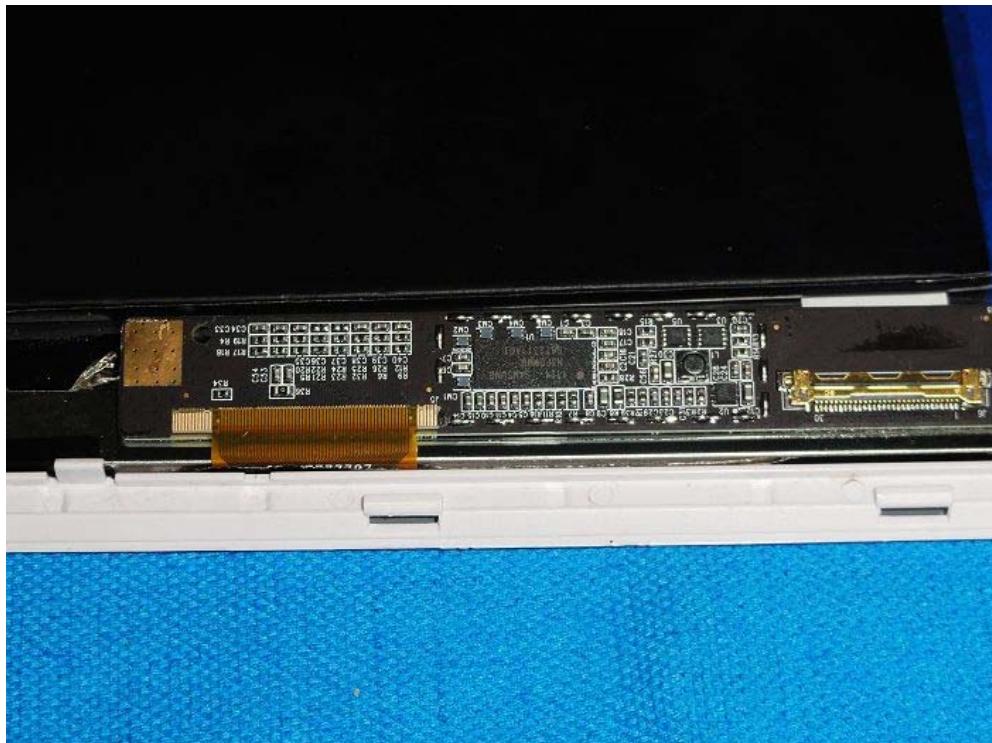


Photo 17

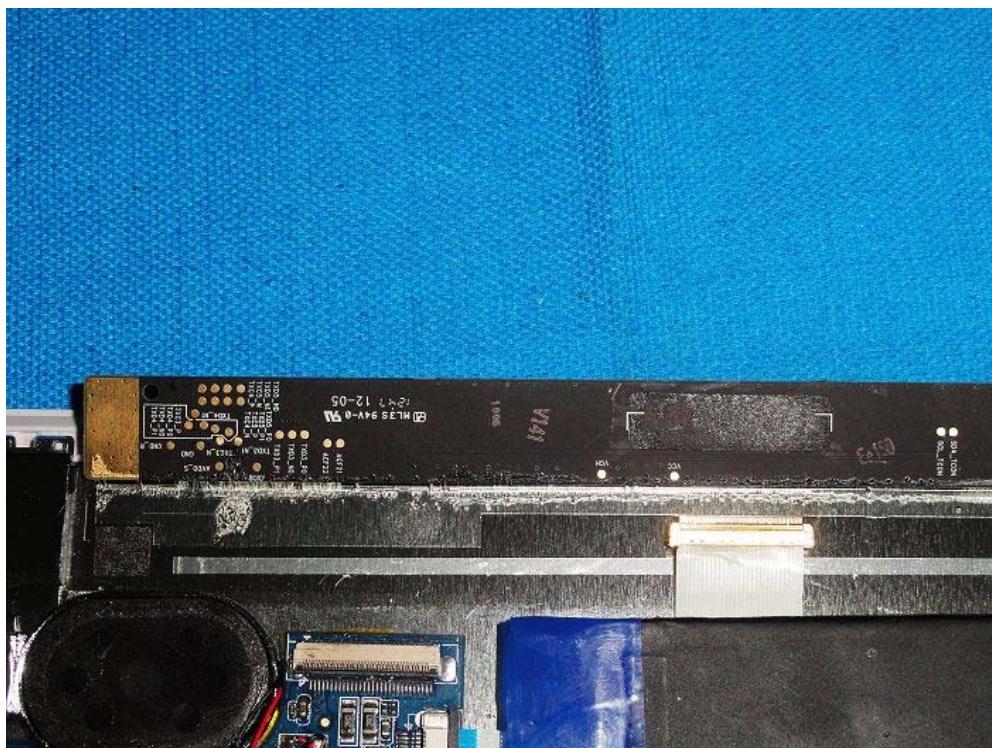


Photo 18



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Report No.: BATT201401010-02

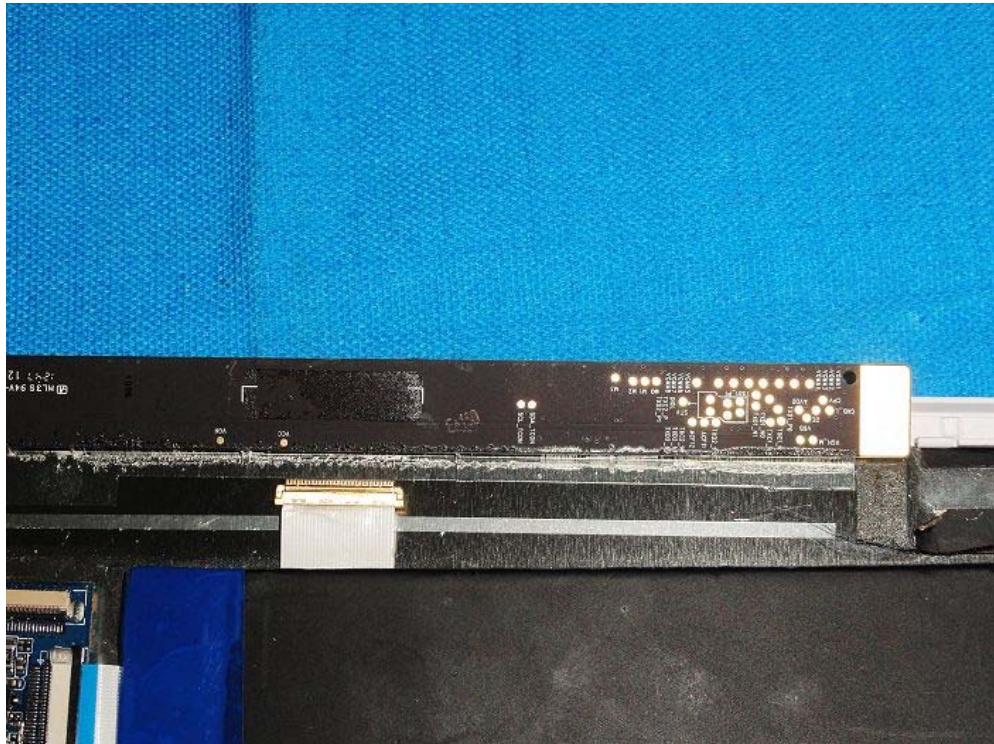


Photo 19

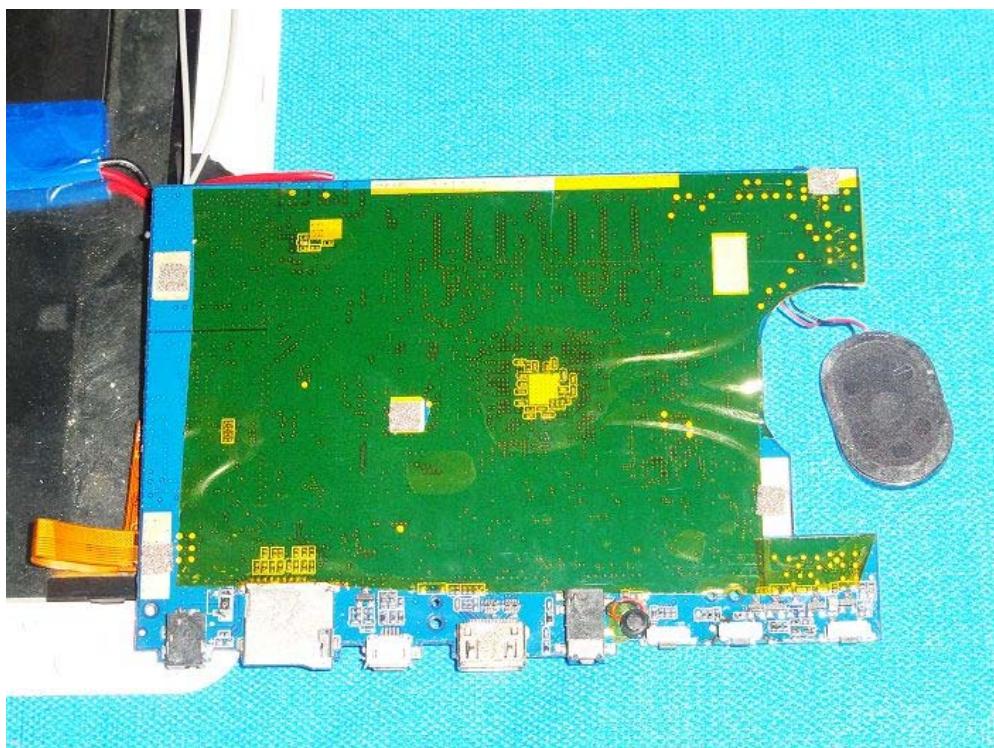


Photo 20

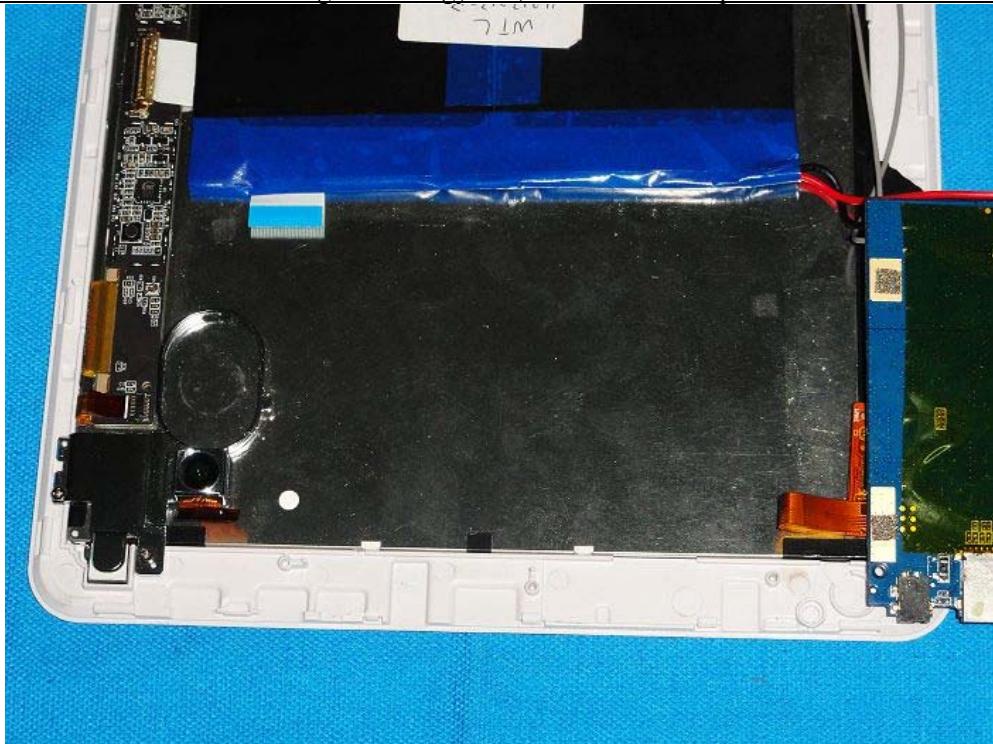


Photo 21

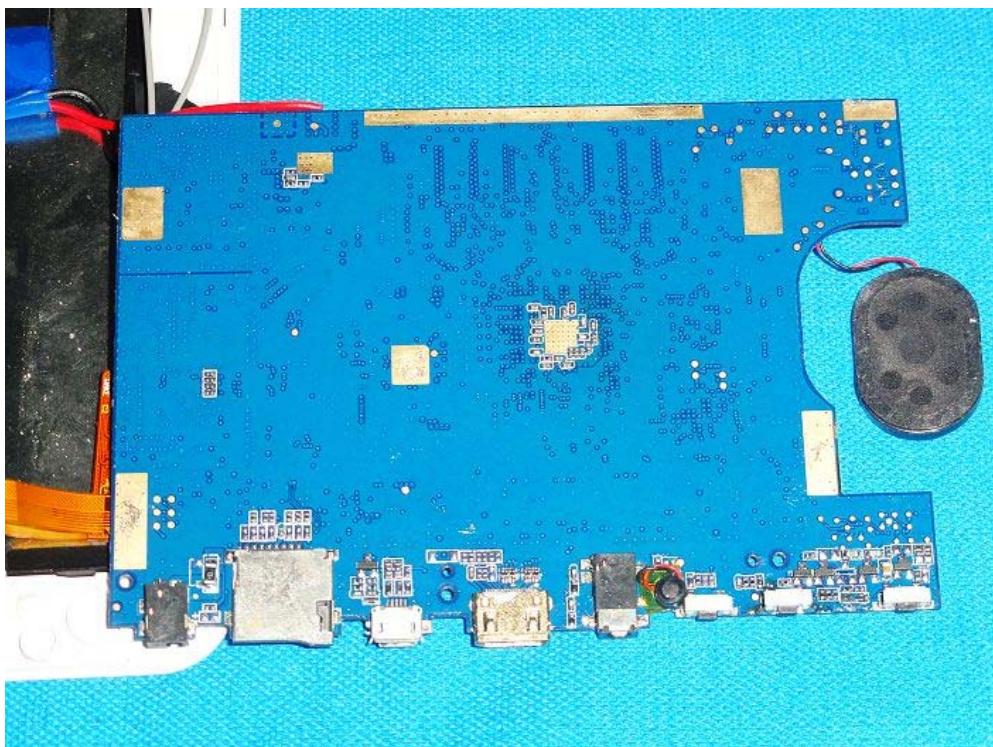


Photo 22

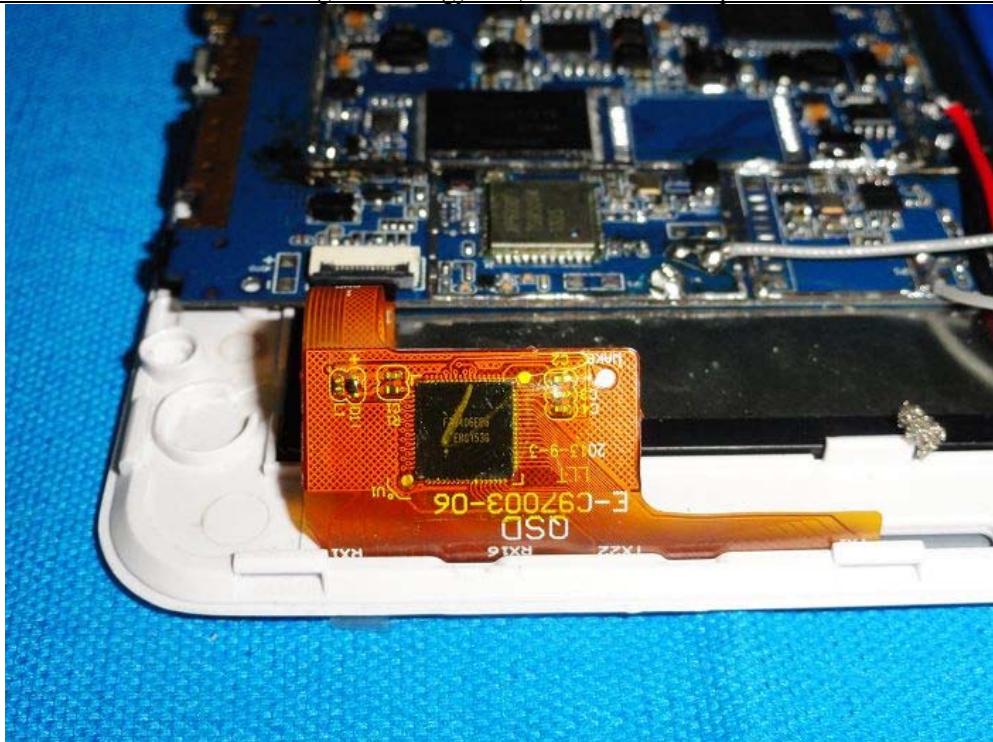


Photo 23

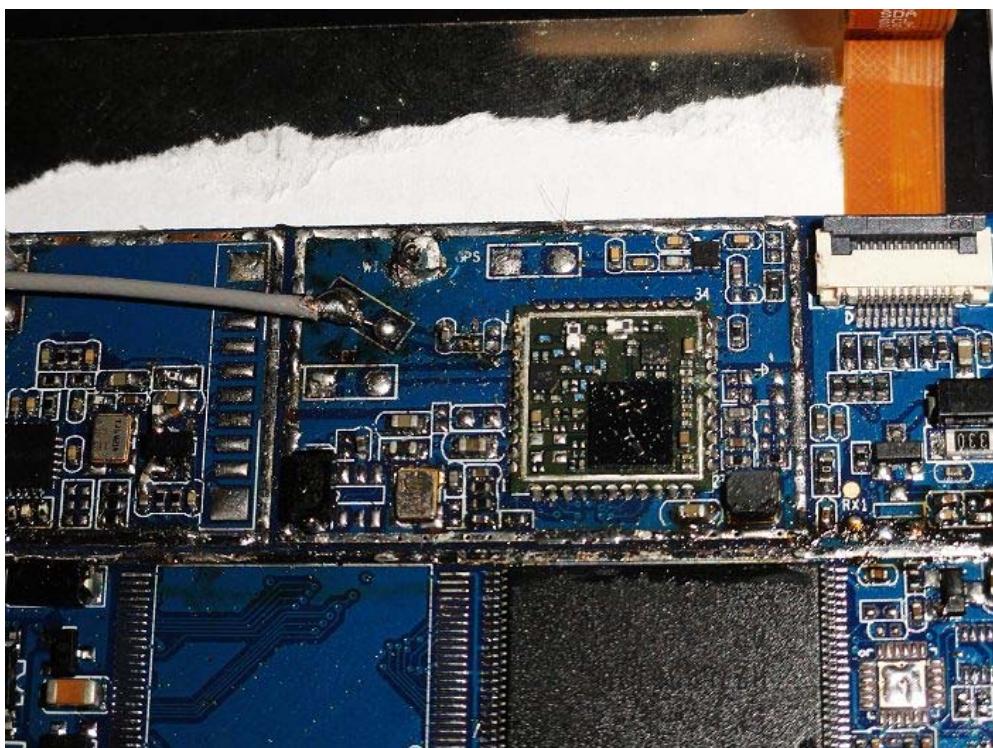


Photo 24

The Report End