



FCC 47 CFR PART 15 SUBPART C 15.247

TEST REPORT

FOR

WiFiHuberPro

Model : Module_WH_02

Trade Name: Trend

Issued to

Trend Electronics Co., Ltd.

4F-3, No. 17, Lane 77, Sec. 2, Zhongshan N. Road, Taipei City, Taiwan

Issued by

PEP Certification Corp.

Open Site		No. 120, Ln. 5, Hudong St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
EMC Test Site	Xizhi Office and Lab	12F.-3, No.27-1, Ln. 169, Kangning St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

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Appendix A.



1. General Information

Applicant : Trend Electronics Co., Ltd.

Address : 4F-3, No. 17, Lane 77, Sec. 2, Zhongshan N. Road, Taipei City, Taiwan

Manufacturer : Trend Electronics Co., Ltd.

Address : 4F-3, No. 17, Lane 77, Sec. 2, Zhongshan N. Road, Taipei City, Taiwan

EUT : WiFiHuberPro

Model Name : Module_WH_02

Model Differences : N/A

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2009. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements

FCC part 15 subpart C

Receipt Date : 01/23/2014

Final Test Date : 02/16/2014

Tested By:

Reviewed by:

APR. 10, 2014

Date

Ben Lu / Engineer

APR. 10, 2014

Date

Alex Chou / Manager
Designation Number: TW1075



2. Report of Measurements and Examinations

2.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	Pass
15.207	. Conducted Emission	Pass
15.209 15.247(d)	. Radiated Emission	Pass
15.247(a)(2)	. 6dB Bandwidth	Pass
15.247(b)	. Maximum Peak Output Power	Pass
15.247(d)	. 100kHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	. Power Spectral Density	Pass
1.1307 1.1310 2.1091 2.1093	. RF Exposure Compliance	Pass



3. Test Configuration of Equipment under Test

3.1 Description of the tested samples

EUT Name : WiFiHuberPro

Model Number : Module_WH_02

FCCID : QUYMODULEWH02

Receipt Date : 01/08/2014

Input Voltage : 5 Vdc (From PC or NB)

RF Output Power(e.i.r.p) : 802.11n 15dBm OFDM; 802.11g 17dBm OFDM mode;
802.11b 20dBm, CCK mode

Power From : ☐Inside ☒Outside
☐Adaptor ☐Battery ☐AC Power Source ☐DC Power Source
☒Support Unit PC or NB

Operate Frequency : Refer to the channel list as described below (2.412 ~2.462 GHz)

Modulation Technique : OFDM

Number of Channels : 11

Channel spacing : ☐N/A ☒ 5 MHz

Operating Mode : ☐Simplex ☒Half Duplex

Antenna Type :: both PCB and External

Antenna gain : 2 dBi (PCB Antenna)
2.43 dBi (Dipole Antenna)



3.2 Carrier Frequency of Channels

802.11b, 802.11g, 802.11n HT 20 (2412MHz~2462MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

802.11n, HT 40 (2422MHz~2452MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
03	2422	07	2442
04	2427	08	2447
05	2432	09	2452
06	2437	---	---



3.3 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included Notebook and EUT for RF test.
- c. An executive "QATEST" under XP was executed to keep transmitting and receiving data via Wireless.
- d. The following test modes were performed for test:
 - 802.11b/g/n HT20: CH01: 2412MHz, CH06: 2437MHz, CH11: 2462MHz
 - 802.11n HT40: CH03: 2422MHz, CH06: 2437MHz, CH09: 2452MHz



3.4 TEST Methodology & General Test Procedures

All testing as described bellowed were performed in accordance with ANSI C63.4:2009 and FCC CFR 47 Part 15 Subpart C.

Conducted Emissions

The EUT is placed on a wood table, which is at 0.8 m above ground plane acceding to clause 15.207 and requirements of ANSI C63.4:2009. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz are using CISPR Quasi-Peak / Average detectors.

Radiated Emissions

The EUT is a placed on a turn table, which is 0.8 m above ground plane. The turntable was rotated through 360 degrees to determine the position of maximum emission level. The EUT is placed at 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

- 1) Putting the EUT on the platform and turning on the EUT (on/off button on the bottom of the EUT).
- 2) Setting test channel described as "Channel setting and operating condition", and testing channel by channel.
- 3) For the maximum output power measurement, we followed the method of measurement KDB558074 D01.
- 4) For the spurious emission test based on ANSI(2009), at the frequency where below 1GHz
used quasi-peak detector mode; where above 1GHz used the peak and average detector mode. IF the peak value may be under average limit, the average mode will not be performed.



3.5 Measurement Uncertainty

Measurement Item	Uncertainty
Radiated emission	$\pm 4.11\text{dB}$
Peak Output Power(conducted)	$\pm 1.38\text{dB}$
Peak Output Power(Radiated)	$\pm 1.70\text{dB}$
Power Spectral Density	$\pm 1.39\text{dB}$
Radiated emission(3m)	$\pm 4.11\text{dB}$
Radiated emission(10m)	$\pm 3.89\text{dB}$

3.6 Description of the Support Equipments

Setup Diagram

See test photographs attached in appendix 1 for the actual connections between EUT and support equipment.

Support Equipment

Peripherals Devices:

OUTSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	Notebook	TPN-Q113	N/A	R33001	HP	N/A	Unshielded 1.8m
2.	Printer	D4360	N/A	R33001	HP	Shielded 1.8m	Unshielded 1.8m
3.	USB Flash	TS2GJFV30	156511-6400	D33193	TRANSCEN D	Shielded/ 1m	N/A

Note: All the above equipment /cable were placed in worse case position to maximize emission signals during emission test

Grounding: Grounding was in accordance with the manufacturer's requirement and conditions for the intended use.



4. Test and measurement equipment

4.1 calibration

The measuring equipment utilized to perform the tests documented in the report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2 equipment

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. Other required standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective.



Table 1 List of Test and Measurement Equipment

Test Site	Instrument	Manufacturer	Model No.	S/N	Next Cal. Date
Conduction	Receiver	R&S	ESHS10	830223/008	Nov. 23, 2014
	Spectrum Analyzer	ADVANTEST	R3261C	87120343	Mar. 18, 2015
	RF Cable	MIYAZAKI & Anritsu	RG58A0 & MP59B	M79094	Apr. 08, 2015
	L.I.S.N	Rolf Heine Hochfrequenztechnik	NNB-2/16z	98062	Jan. 16, 2015
	EMI Test Receiver	R&S	EAHS-10	1093.4495.03	Mar. 21, 2015
	Click Analyzer	Schaffner	DIA1512C	5218	June 15, 2014
Radiation	Spectrum Analyzer	Nex1	NS-265	NO5044006	Aug. 04, 2014
	Antenna	Schwarzbeck	VULB 9161	4077	Feb. 02, 2015
	RF Cable	N/A	N/A	N/A	Jan.18, 2015
	Pre-Amp	Schaffner	CPA-9232	1012	Jan. 20, 2015
	Spectrum Analyzer	Nex1	NS-265	NO5044006	Oct. 02, 2014
	1GHz~18GHz RF Cable	EMCI	SMA(male) 4M+7M (1~18G)	N/A	Oct. 04, 2014
	Horn Antenna 1GHZ~18GHz	COM-POWER	AH-118	10056	Oct.04, 2014
	Pre-Amplifier 500M~18G	EMCI	EMC051845	500M~18G	Oct.16, 2014

- **CALIBRATION INTERVAL OF INSTRUMENTS LISTED ABOVE IS ONE YEAR**



5. Antenna Requirements

5.1 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 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.

5.2 Antenna Construction and Directional Gain

802.11b/g/n:

ANT R, ANT L

Antenna Type: Dipole Antenna

Antenna Gain: 2.43 dBi

Note: Directional gain = $G^{ANT} + 10 \log(N)$ dBi = $2.43 + 10 \log(2) = 5.44$ (dBi)

802.11b/g/n:

ANT R, ANT L

Antenna Type: PCB Antenna

Antenna Gain: 2 dBi

Note: Directional gain = $G^{ANT} + 10 \log(N)$ dBi = $2 + 10 \log(2) = 5.01$ (dBi)



6. Test of Conducted Emission

6.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2009 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

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

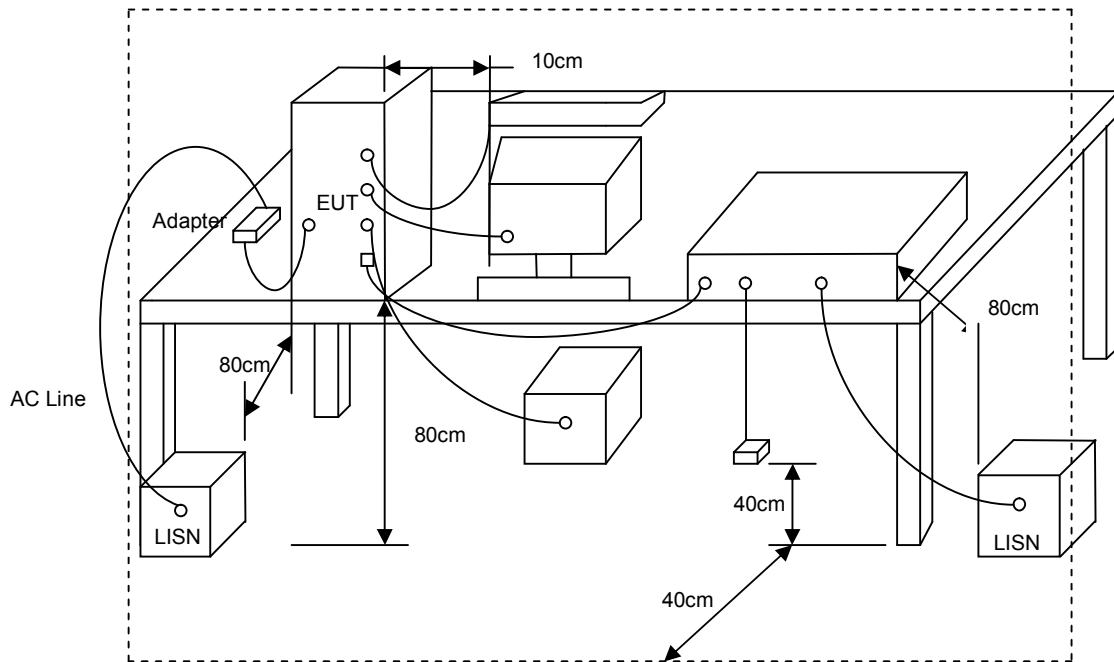
*Decreases with the logarithm of the frequency.

6.2 Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



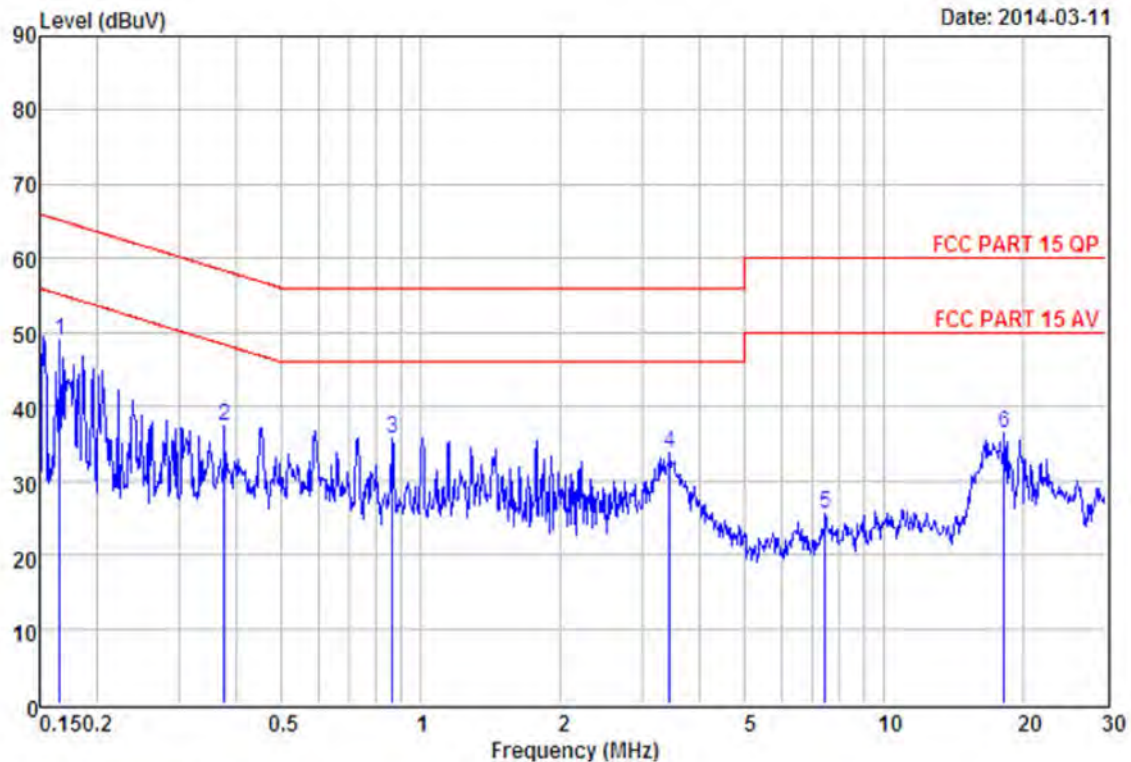
6.3 Typical Test Setup





6.4 Test Result and Data

Power	: DC 5V	Pol/Phase	: LINE
Test Mode 1	: 802.11g, CH1	Temperature	: 22 °C
Test Date	: Mar. 11, 2014	Humidity	: 60 %



Site : Conduction

Condition: FCC PART 15 QP CON-LISN(103) LINE

EUT : Please refer to page 1 of report

MODEL :

MEMO :

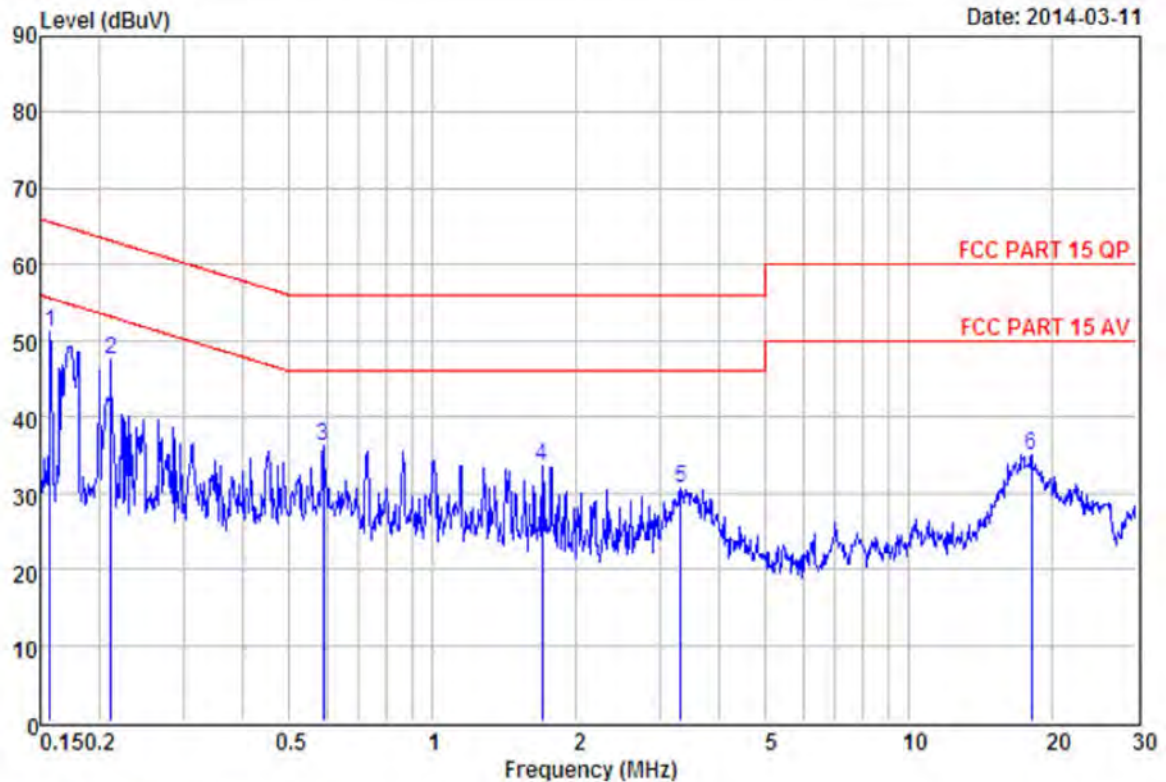
T/H :

Remarks: : Factor=Insertion loss+Cable loss

	Freq	Read Level	Level Factor	Over Limit	Limit Line	Remark
	MHz	dBuV	dBuV	dB	dBuV	
1	0.17	48.86	48.98	0.12	-16.18	65.16 Peak
2	0.38	37.27	37.41	0.14	-20.98	58.39 Peak
3	0.87	35.56	35.74	0.18	-20.26	56.00 Peak
4	3.44	33.59	33.88	0.29	-22.12	56.00 Peak
5	7.45	25.05	25.47	0.42	-34.53	60.00 Peak
6	18.14	35.83	36.46	0.63	-23.54	60.00 Peak



Power	: DC 5V	Pol/Phase	: NEUTRAL
Test Mode 1	: 802.11g, CH1	Temperature	: 22 °C
Test Date	: Mar. 11, 2014	Humidity	: 60 %



Site : Conduction
Condition: FCC PART 15 QP CON-LISN(103) NEUTRAL
EUT : Please refer to page 1 of report
MODEL :
MEMO :
T/H :
Remarks: : Factor=Insertion loss+Cable loss

	Freq	Read Level	Level Factor	Over Limit	Limit Line	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV
1	0.16	51.15	51.27	0.12	-14.33	65.60 Peak
2	0.21	47.31	47.42	0.11	-15.76	63.18 Peak
3	0.59	36.04	36.17	0.13	-19.83	56.00 Peak
4	1.70	33.31	33.51	0.20	-22.49	56.00 Peak
5	3.31	30.26	30.53	0.27	-25.47	56.00 Peak
6	18.04	34.52	35.08	0.56	-24.92	60.00 Peak



7. Test of Radiated Emission

7.1 Test Limit

In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

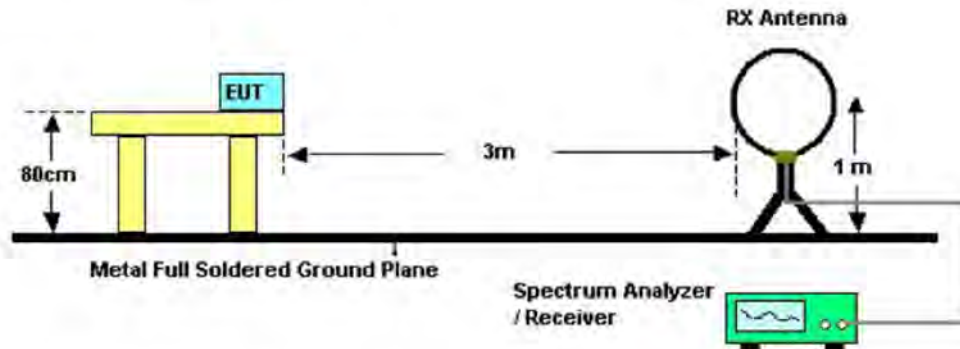
Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

7.2 Test Procedures

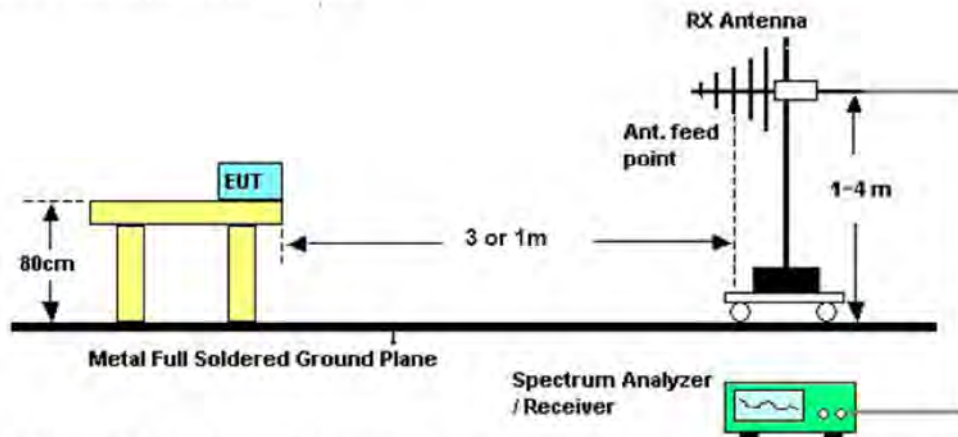
- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

7.3 Typical Test Setup

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

Distance extrapolation factor = $20 \log (\text{specific distance [3m]} / \text{test distance [1m]})$ (dB).

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

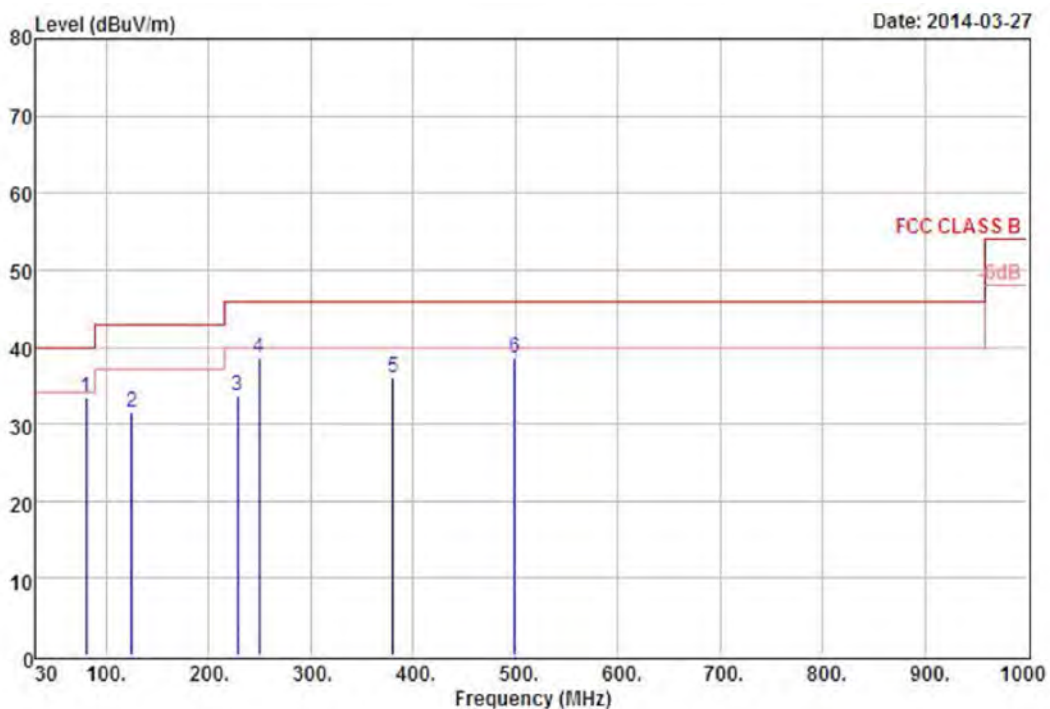


7.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

7.5 Test Result and Data (30MHz ~ 1GHz, worst emissions found)

Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11n HT40, CH3	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 60 %



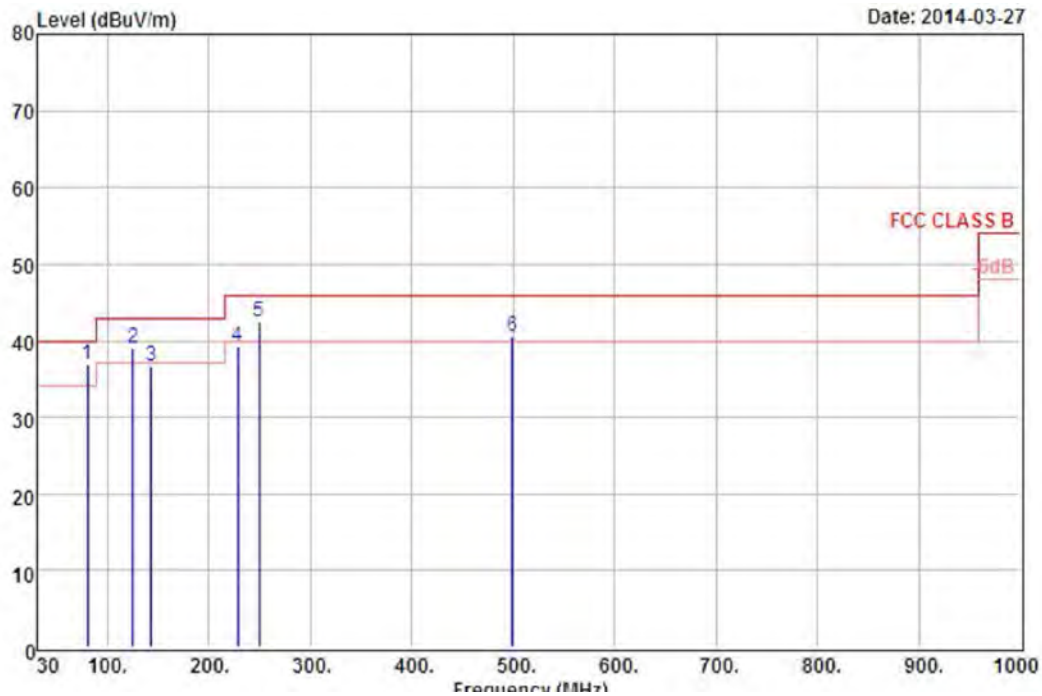
Condition : FCC CLASS B 3m VULB9160(30-1G)-103 VERTICAL
EUT : 14010802
Power : DC 5V FROM SYSTEM
Mode : TRANSMIT
Temperature : 25
Humidity : 60
Memo : DIPOLE ANTENNA

Remarks: : 1.Result=Read Value+Factor
: 2.Factor=Antenna Factor+Cable loss-
: Amplifier Factor

	Freq	Level	Read	Over	Limit		
	MHz	dBuV/m	Level	Factor	Limit	Line	Remark
			dBuV	dB/m	dB	dBuV/m	
1	80.44	33.37	52.35	-18.98	-6.63	40.00	Peak
2	125.06	31.45	46.86	-15.41	-11.55	43.00	Peak
3	227.88	33.66	49.81	-16.15	-12.34	46.00	Peak
4	249.22	38.58	54.09	-15.51	-7.42	46.00	Peak
5	380.17	35.99	47.91	-11.92	-10.01	46.00	Peak
6	499.48	38.66	47.05	-8.39	-7.34	46.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11n HT40, CH3	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 60 %



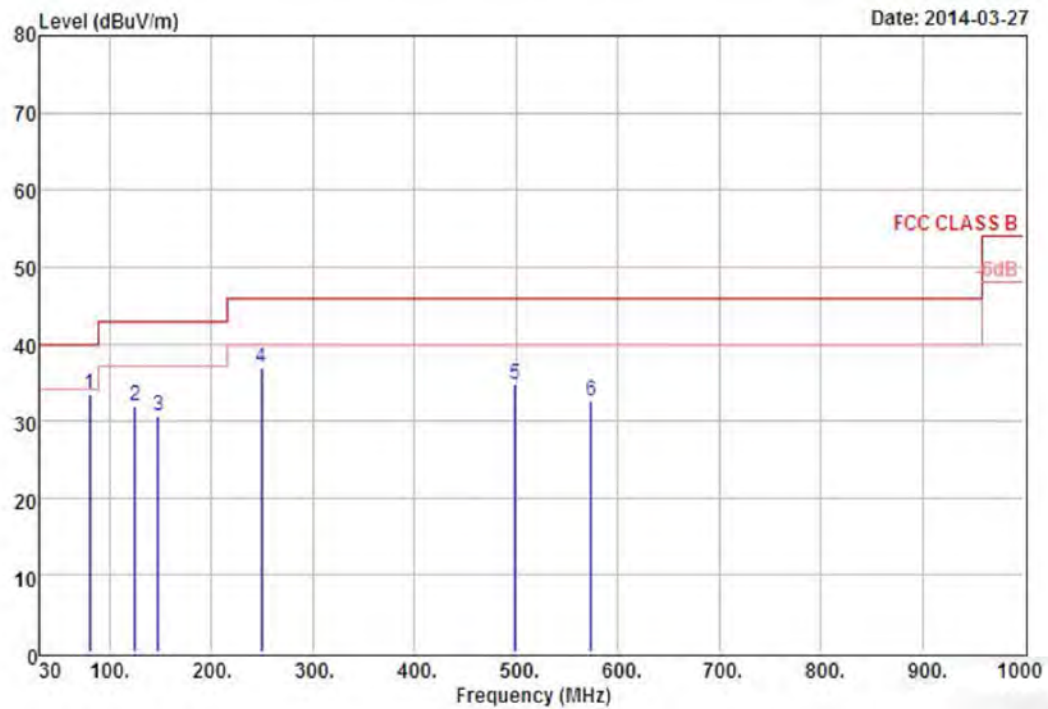
Condition : FCC CLASS B 3m VULB9160(30-1G)-103 HORIZONTAL
 EUT : 14010802
 Power : DC 5V FROM SYSTEM
 Mode : TRANSMIT
 Temperature : 25
 Humidity : 60
 Memo : DIPOLE ANTENNA

Remarks: : 1.Result=Read Value+Factor
 : 2.Factor=Antenna Factor+Cable loss-
 : Amplifier Factor

	Freq	Level	Read	Over	Limit	
	MHz	dBuV/m	Level	Factor	Limit	Line Remark
			dBuV	dB/m	dB	dBuV/m
1 !	80.44	36.96	55.94	-18.98	-3.04	40.00 QP
2 !	125.06	39.14	54.55	-15.41	-3.86	43.00 QP
3	142.52	36.72	51.42	-14.70	-6.28	43.00 Peak
4	227.88	39.22	55.37	-16.15	-6.78	46.00 Peak
5 !	249.22	42.55	58.06	-15.51	-3.45	46.00 QP
6 !	499.48	40.61	49.00	-8.39	-5.39	46.00 QP



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11n HT40, CH3	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 60 %



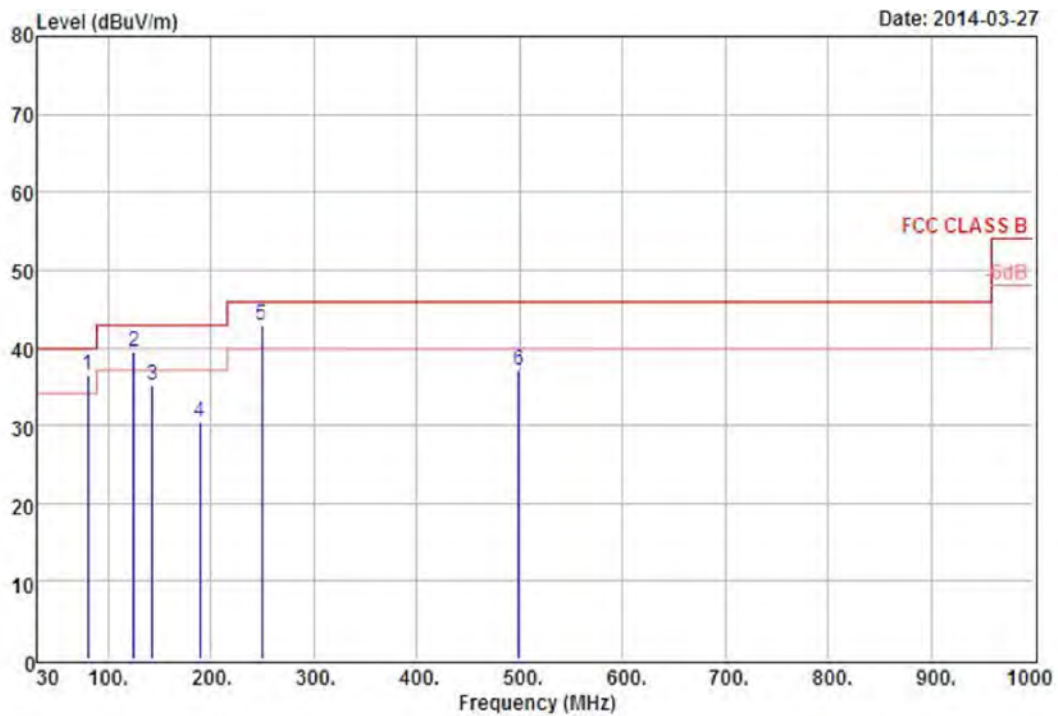
Condition : FCC CLASS B 3m VULB9160(30-1G)-103 VERTICAL
 EUT : 14010802
 Power : DC 5V FROM SYSTEM
 Mode : TRANSMIT
 Temperature : 25
 Humidity : 60
 Memo : PCB ANTENNA

Remarks: : 1.Result=Read Value+Factor
 : 2.Factor=Antenna Factor+Cable loss-
 : Amplifier Factor

	Freq	Level	Read	Over	Limit	
	MHz	dBuV/m	Level	Factor	Limit	Line Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dBuV/m
1	80.44	33.53	52.51	-18.98	-6.47	40.00 Peak
2	125.06	32.02	47.43	-15.41	-10.98	43.00 Peak
3	147.37	30.60	45.27	-14.67	-12.40	43.00 Peak
4	249.22	36.91	52.42	-15.51	-9.09	46.00 Peak
5	499.48	34.79	43.18	-8.39	-11.21	46.00 Peak
6	574.17	32.57	40.28	-7.71	-13.43	46.00 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11n HT40, CH3	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 60 %



Condition : FCC CLASS B 3m VULB9160(30-1G)-103 HORIZONTAL
 EUT : 14010802
 Power : DC 5V FROM SYSTEM
 Mode : TRANSMIT
 Temperature : 25
 Humidity : 60
 Memo : PCB ANTENNA

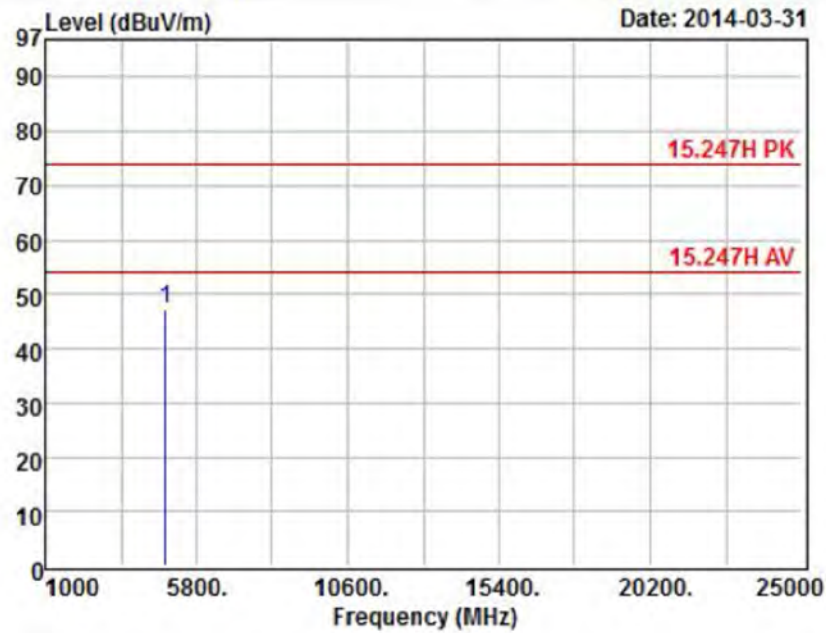
Remarks: : 1.Result=Read Value+Factor
 : 2.Factor=Antenna Factor+Cable loss-
 : Amplifier Factor

		Freq	Level	Read Level	Factor	Over Limit	Limit Line	Remark
		MHz	dBuV/m	dBuV	dB/m	dB	dBuV/m	
1	!	80.44	36.56	55.54	-18.98	-3.44	40.00	QP
2	!	125.06	39.42	54.83	-15.41	-3.58	43.00	QP
3		142.52	35.15	49.85	-14.70	-7.85	43.00	Peak
4		189.08	30.45	47.01	-16.56	-12.55	43.00	Peak
5	!	249.22	42.80	58.31	-15.51	-3.20	46.00	QP
6		499.48	37.18	45.57	-8.39	-8.82	46.00	Peak



7.6 Test Result and Data (Above 1GHz)

Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

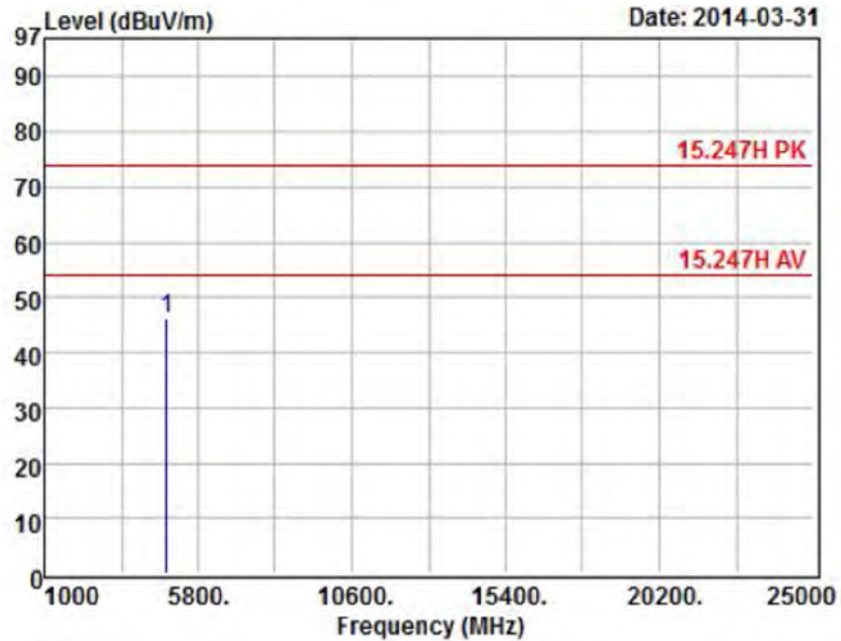


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11b CH1 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4824.04	56.96	47.31	-9.65	74.00	-26.69	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

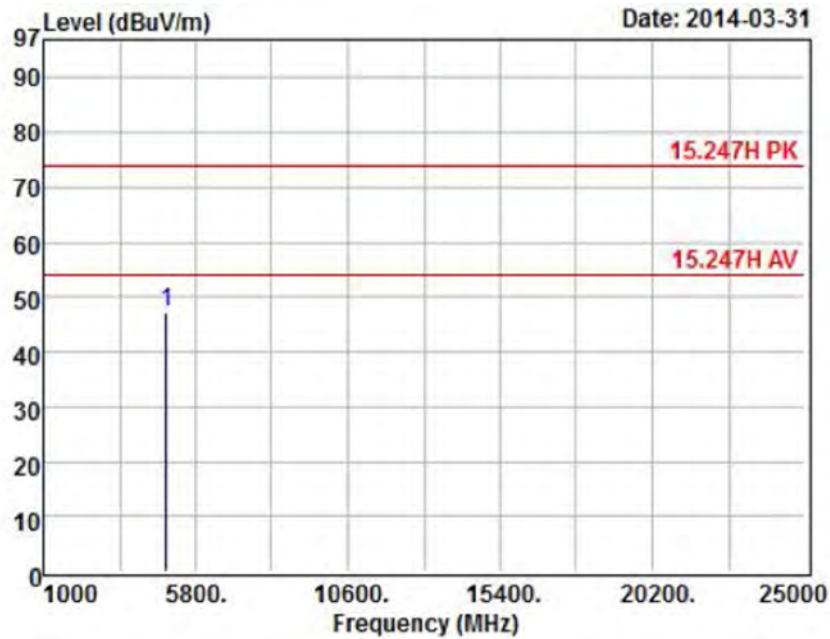
mode : Transmit

memo : 802.11b CH1 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4824.10	55.82	46.17	-9.65	74.00	-27.83 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

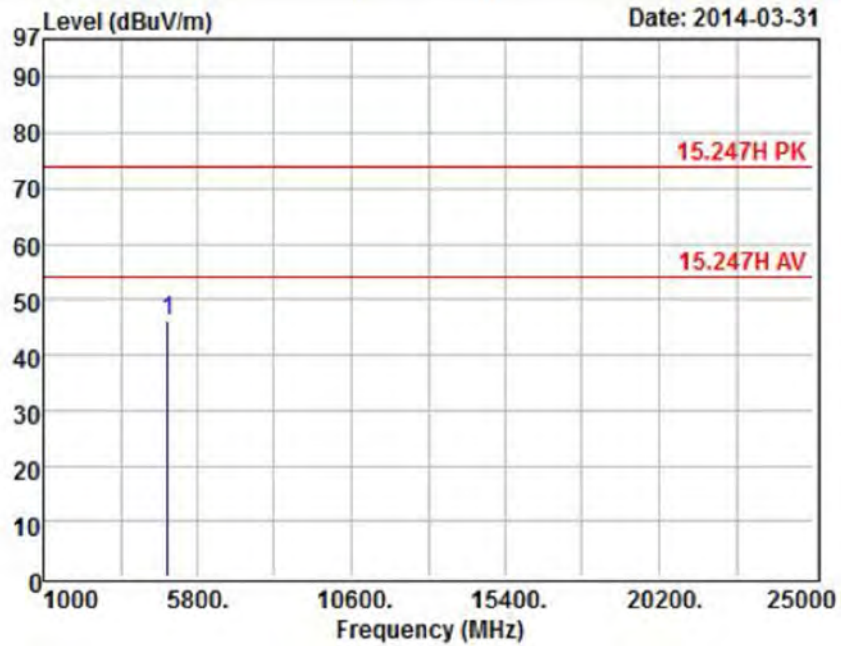


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11b CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.05	56.70	47.28	-9.42	74.00	-26.72 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

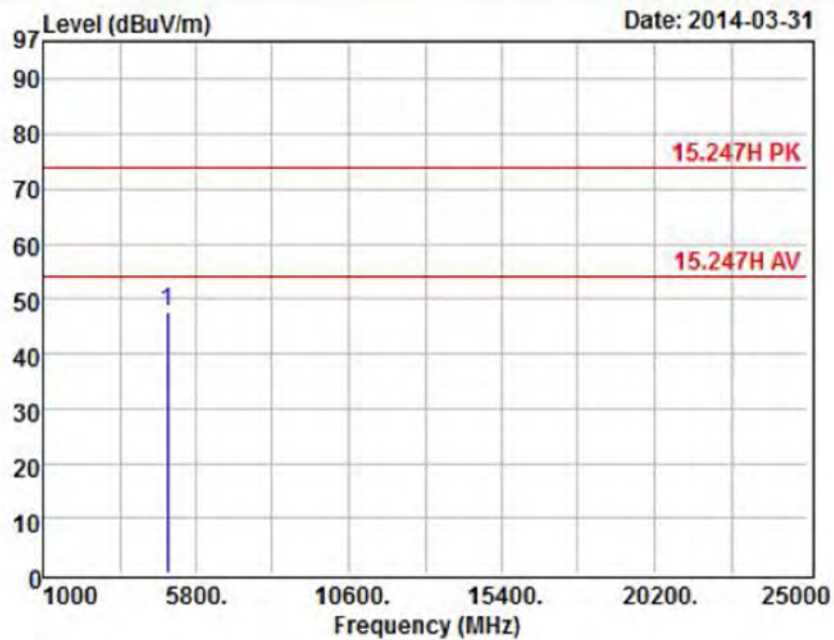
mode : Transmit

memo : 802.11b CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.15	55.74	46.32	-9.42	74.00	-27.68 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL

eut : 14010802

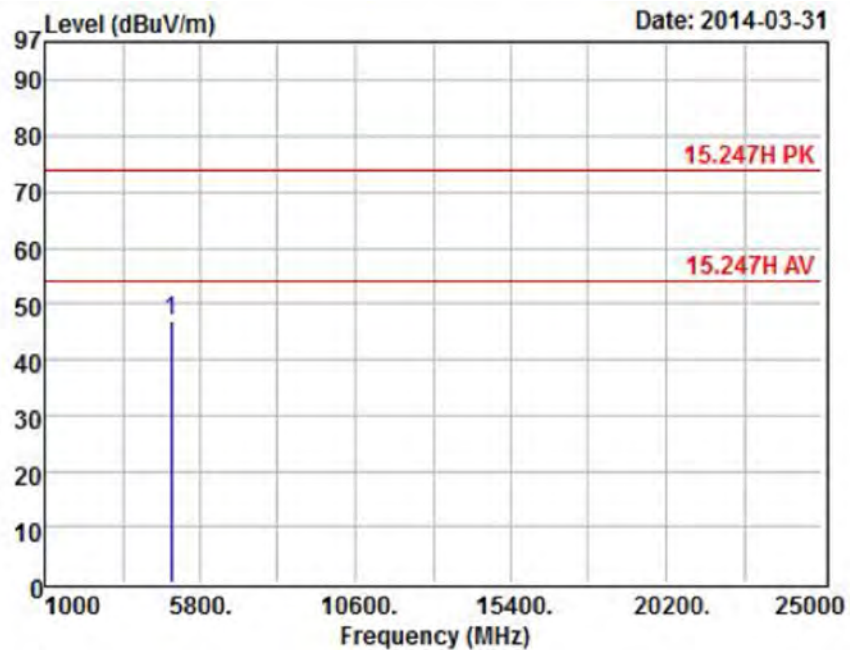
mode : Transmit

memo : 802.11b CH11 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4924.03	56.65	47.45	-9.20	74.00	-26.55 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

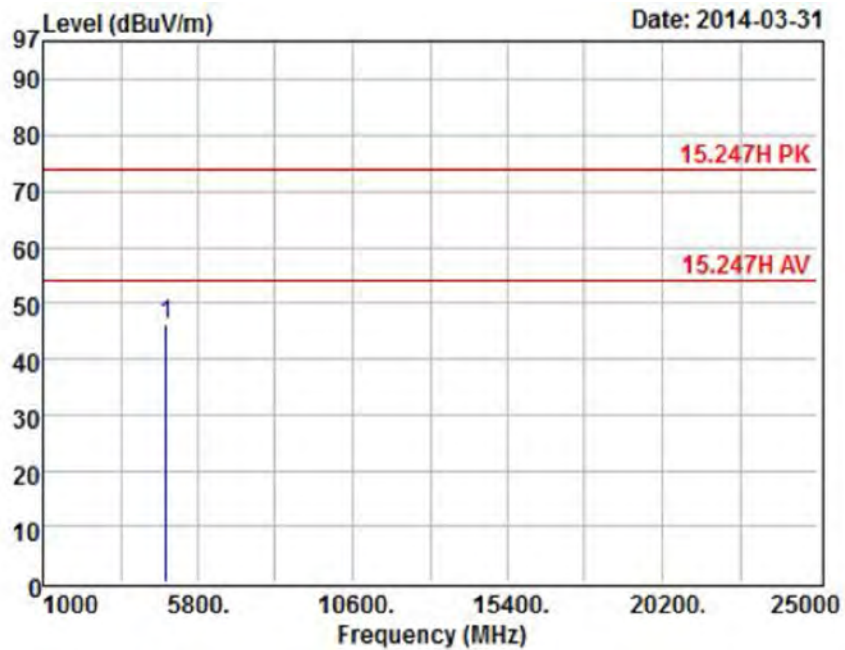


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11b CH11 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4924.07	55.95	46.75	-9.20	74.00	-27.25	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

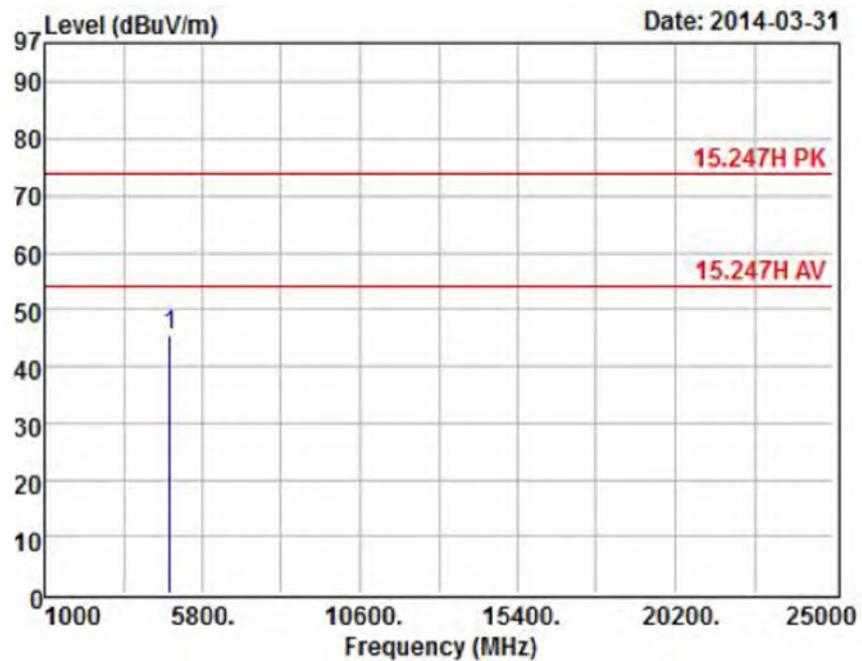


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH1 (Dipole Antenna)

	Read				Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4824.07	55.79	46.14	-9.65	74.00	-27.86	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

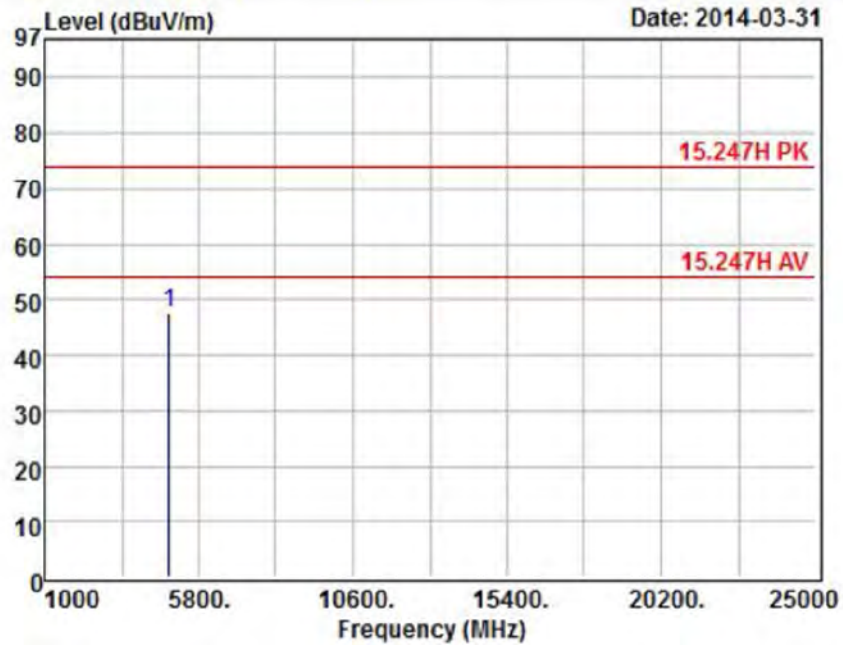
mode : Transmit

memo : 802.11g CH1 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4824.11	55.16	45.51	-9.65	74.00	-28.49	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

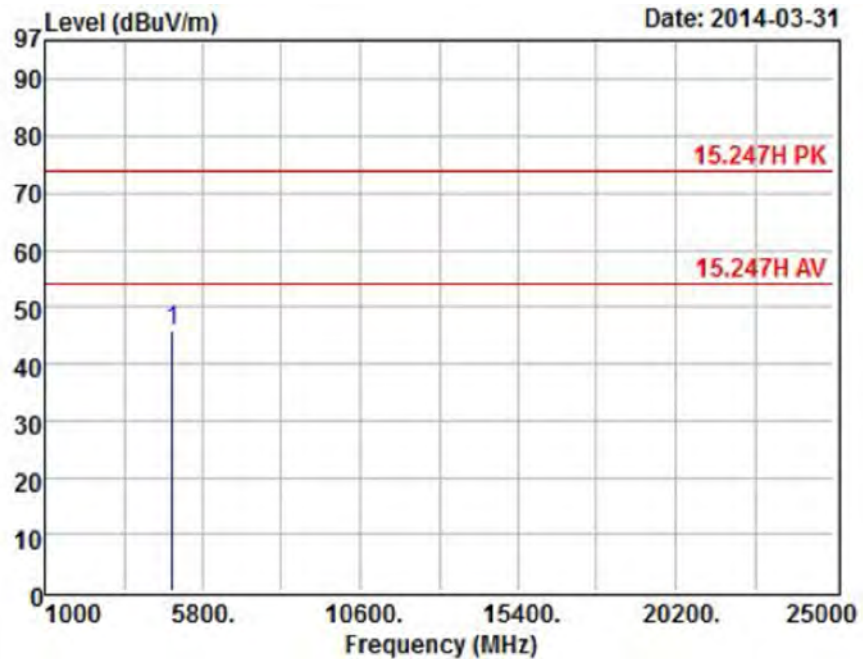


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.10	57.02	47.60	-9.42	74.00	-26.40 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

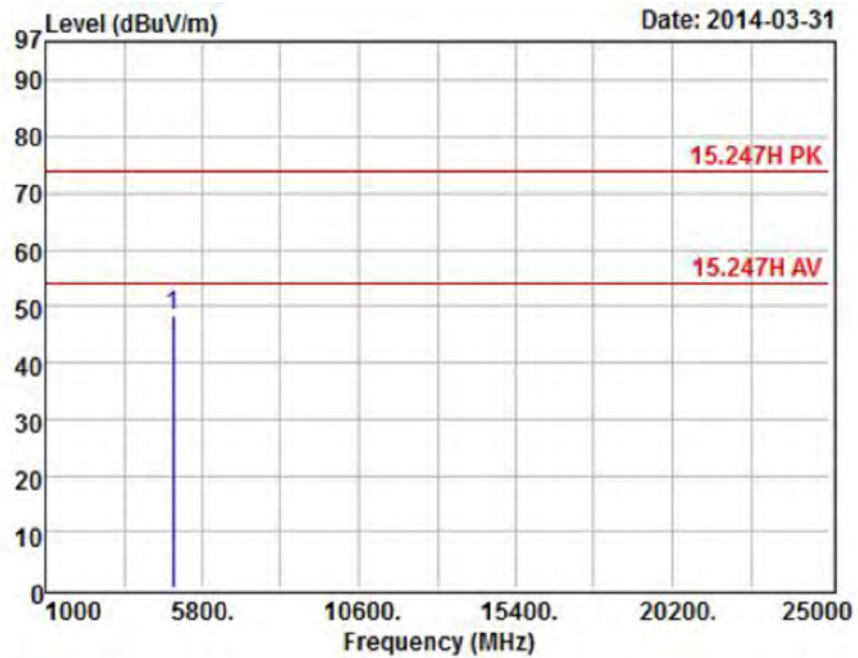


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH6 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.20	55.15	45.73	-9.42	74.00	-28.27	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

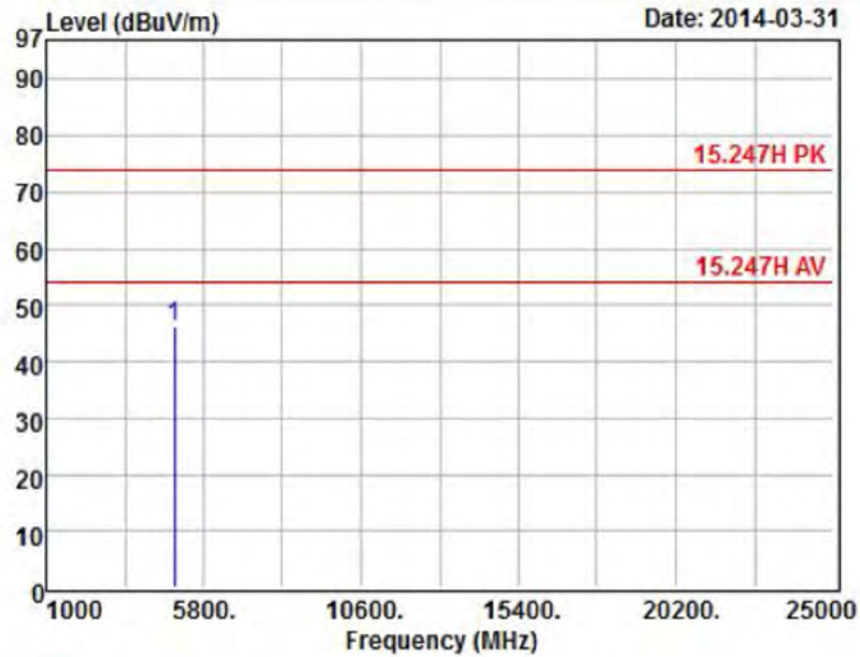


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH11 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4924.04	57.63	48.43	-9.20	74.00	-25.57	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

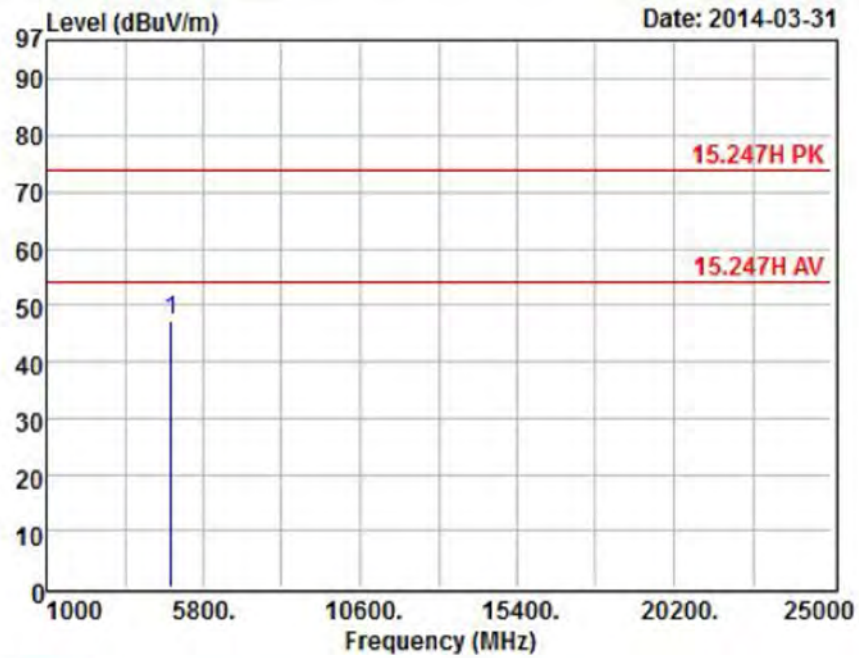
mode : Transmit

memo : 802.11g CH11 (Dipole Antenna)

	Read			Limit		Over	Remark
	Freq	Level	Level Factor	Line	Limit		
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4924.06	55.45	46.25	-9.20	74.00	-27.75	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL

eut : 14010802

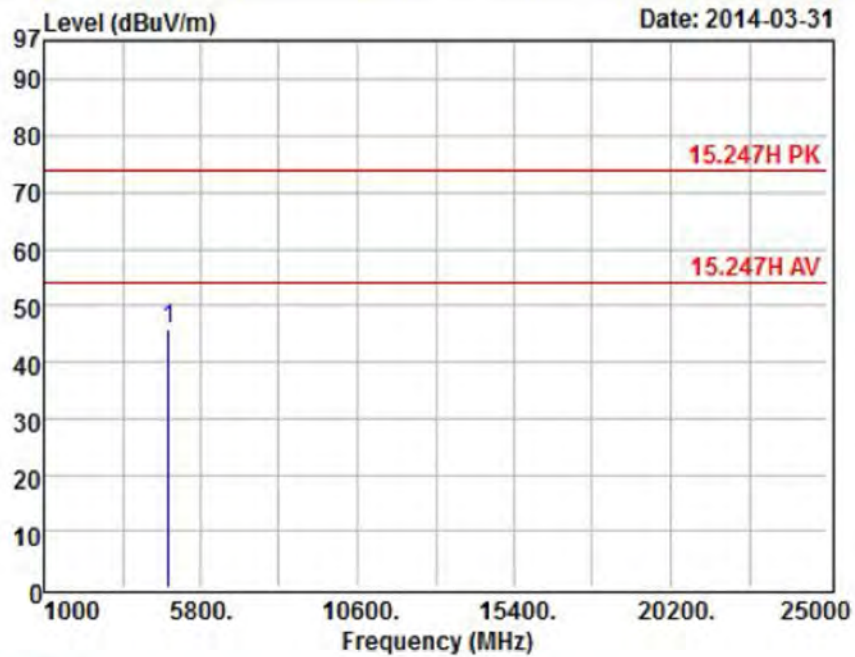
mode : Transmit

memo : 802.11n HT20 CH1 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4824.10	56.75	47.10	-9.65	74.00	-26.90 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH1	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

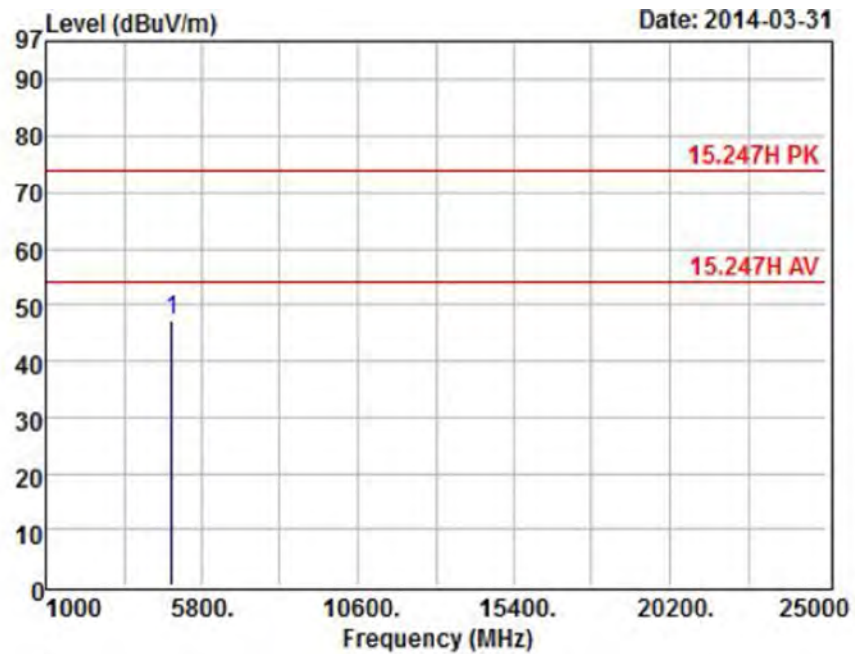


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH1 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level Factor		Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1 4824.06	55.47	45.82	-9.65	74.00	-28.18	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

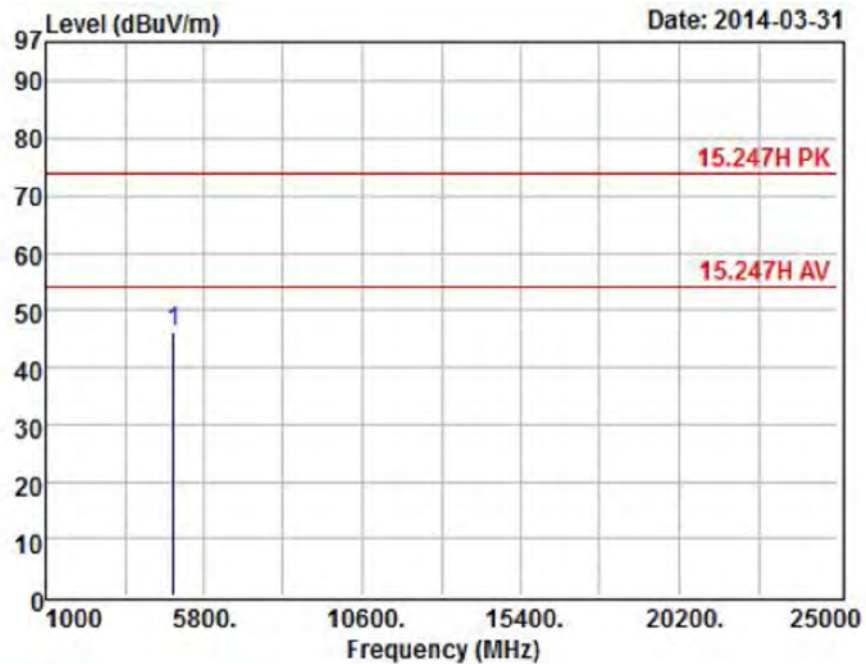


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
euf : 14010802
mode : Transmit
memo : 802.11n HT20 CH6 (Dipole Antenna)

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.15	56.70	47.28	-9.42	74.00	-26.72	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

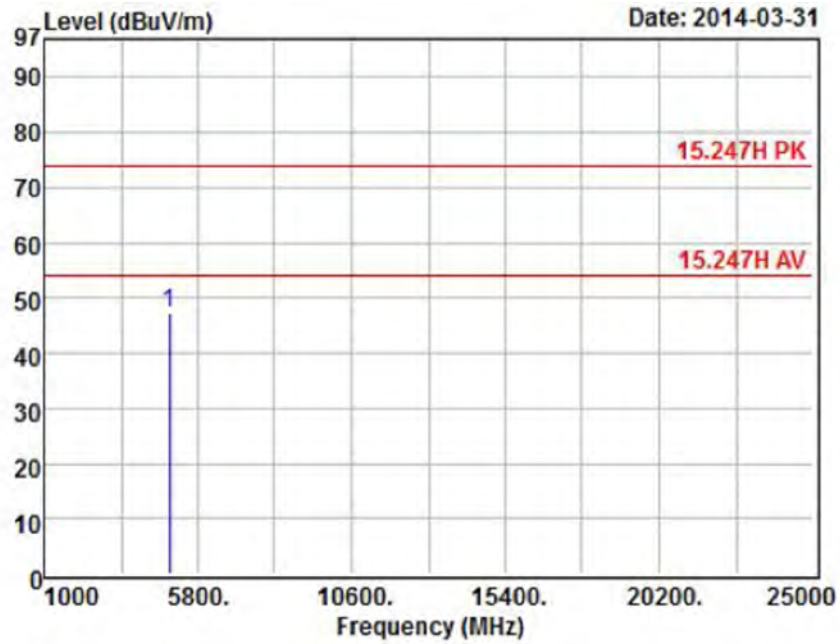


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.00	55.67	46.25	-9.42	74.00	-27.75 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

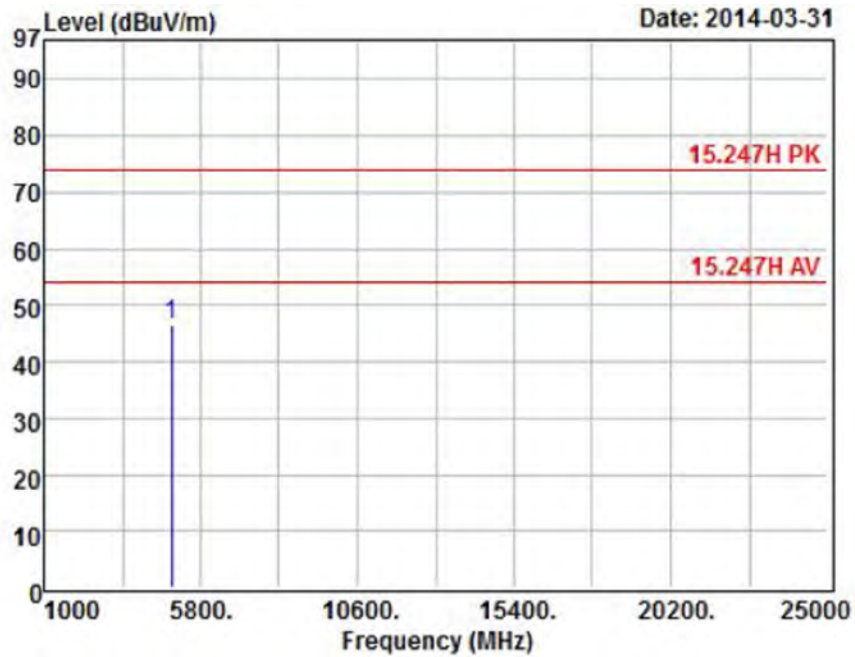


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH11 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4924.04	56.48	47.28	-9.20	74.00	-26.72 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH11	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

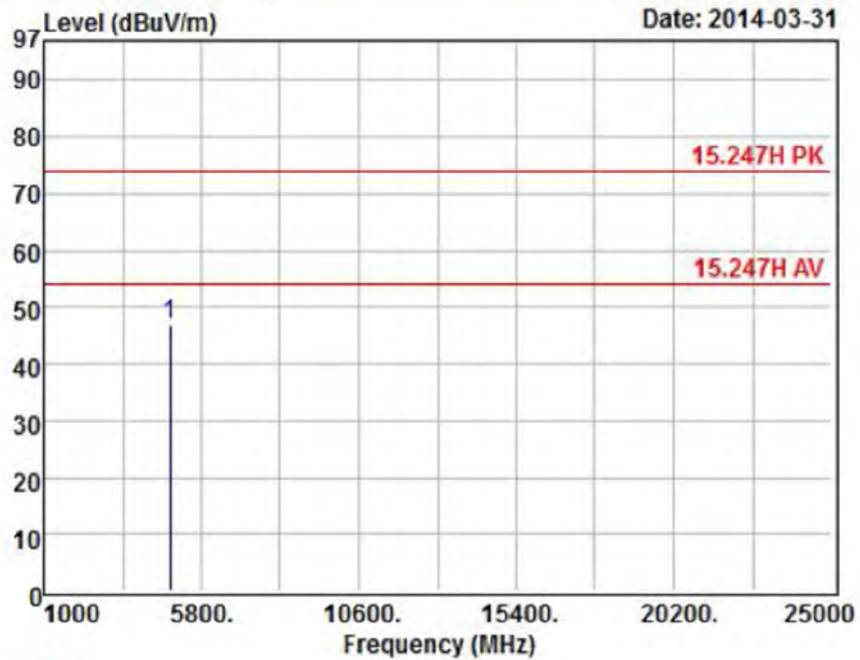
mode : Transmit

memo : 802.11n HT20 CH11 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1 4924.15	55.84	46.64	-9.20	74.00	-27.36	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40 CH3	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL

eut : 14010802

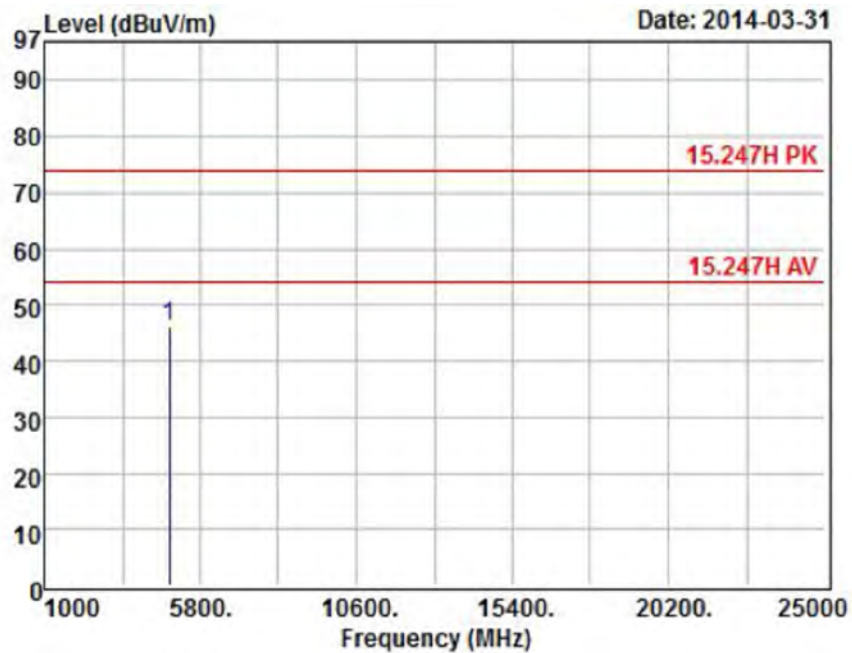
mode : Transmit

memo : 802.11n HT40 CH3 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4844.00	56.49	46.93	-9.56	74.00	-27.07	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40 CH3	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

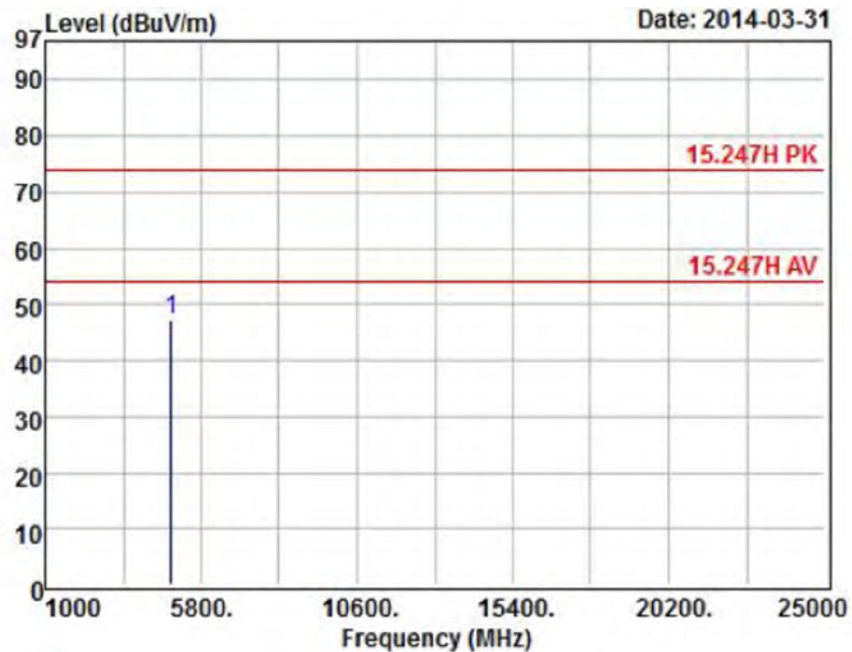
mode : Transmit

memo : 802.11n HT40 CH3 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4844.00	55.62	46.06	-9.56	74.00	-27.94 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40 CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

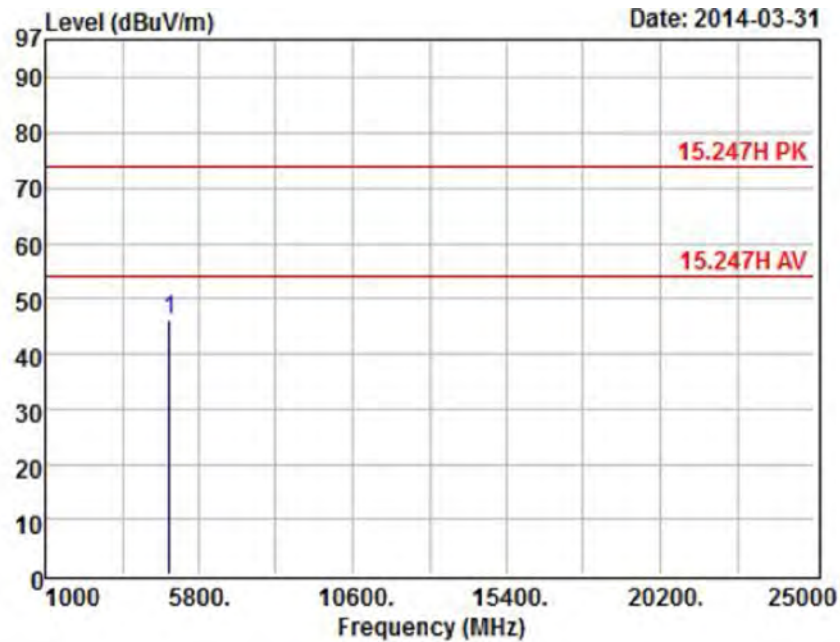


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4874.11	56.78	47.36	-9.42	74.00	-26.64 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40 CH6	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

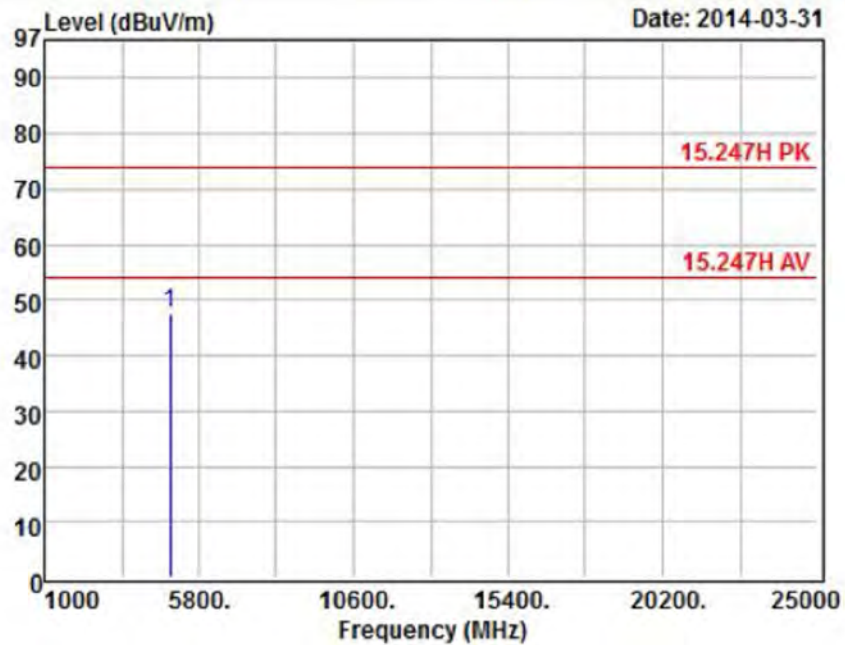
mode : Transmit

memo : 802.11n HT40 CH6 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1 4874.00	55.62	46.20	-9.42	74.00	-27.80	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40, CH9	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %

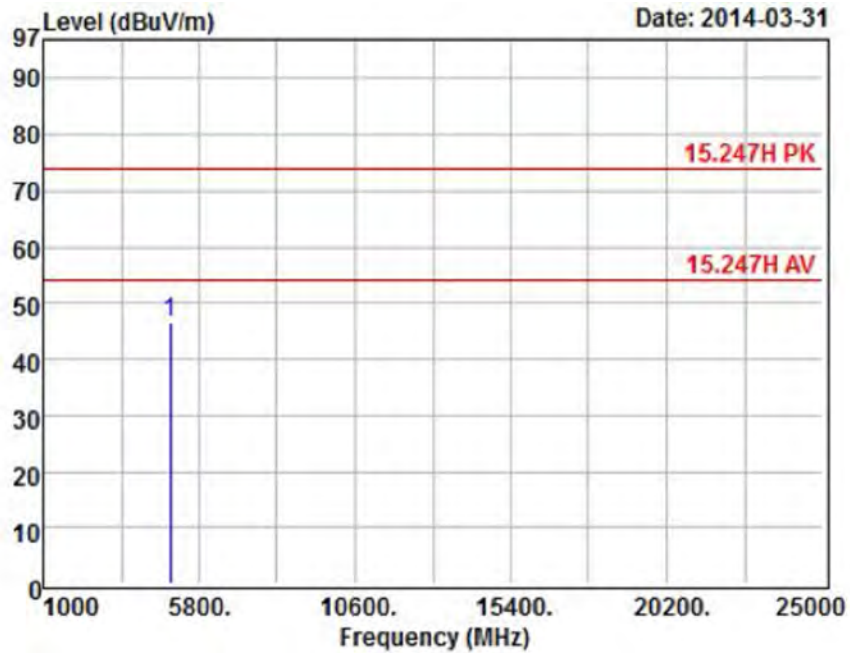


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH9 (Dipole Antenna)

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4904.05	56.75	47.45	-9.30	74.00	-26.55	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40, CH9	Temperature	: 25 °C
Memo	: Dipole Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

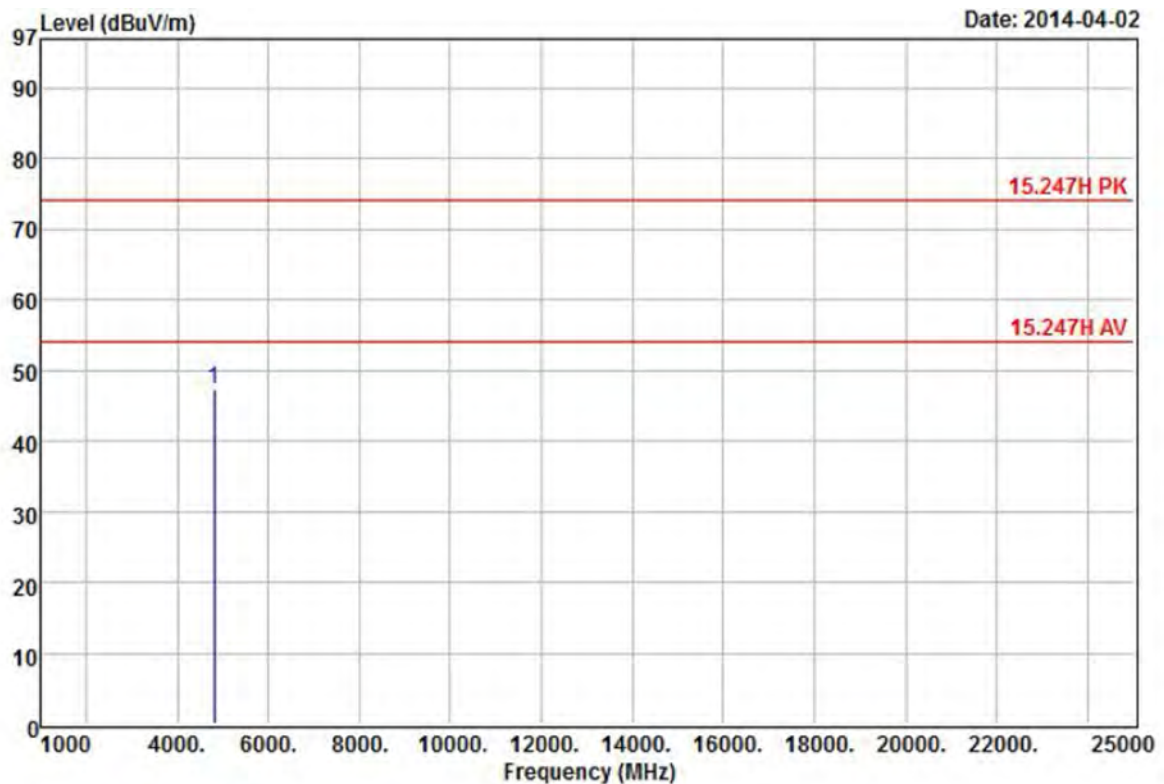
mode : Transmit

memo : 802.11n HT40 CH9 (Dipole Antenna)

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	4904.07	55.69	46.39	-9.30	74.00	-27.61	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

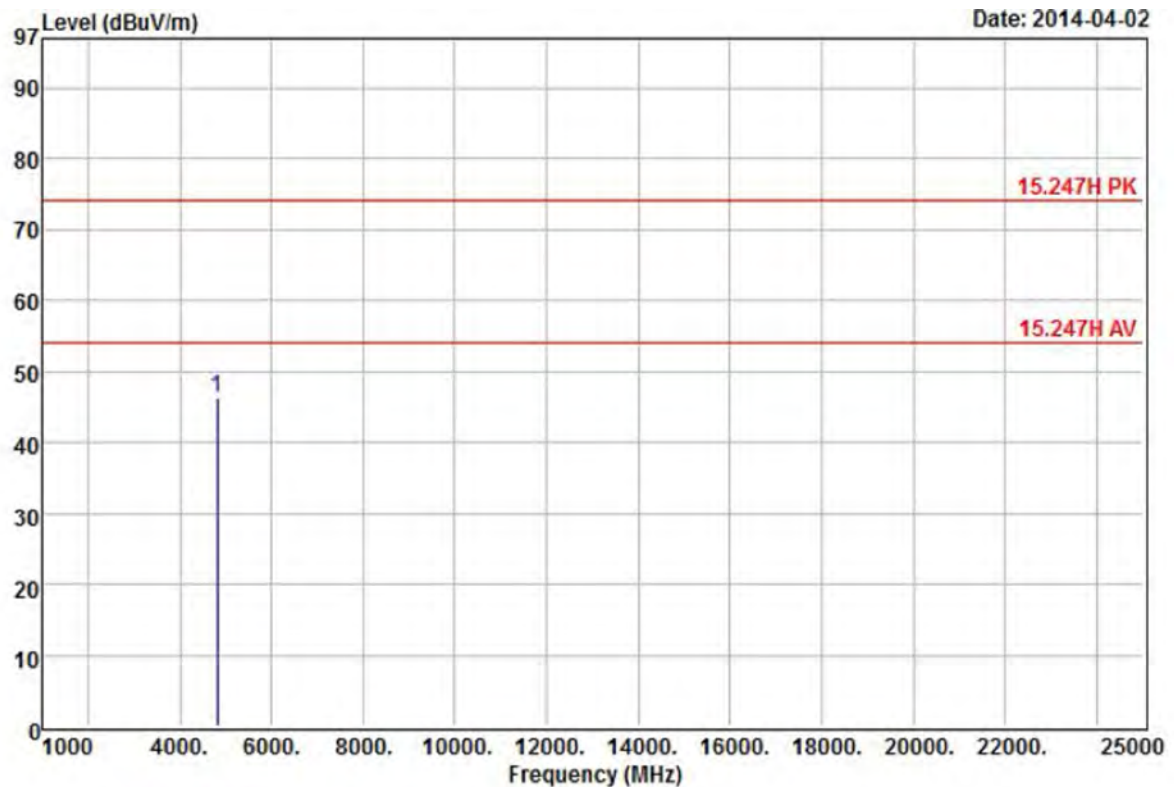


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11b CH1 (PCB Antenna)

		Read		Over	Limit	
	Freq	Level	Level	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB	dBuV/m	
1	4824.50	57.02	47.37	-9.65	-26.63	74.00 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

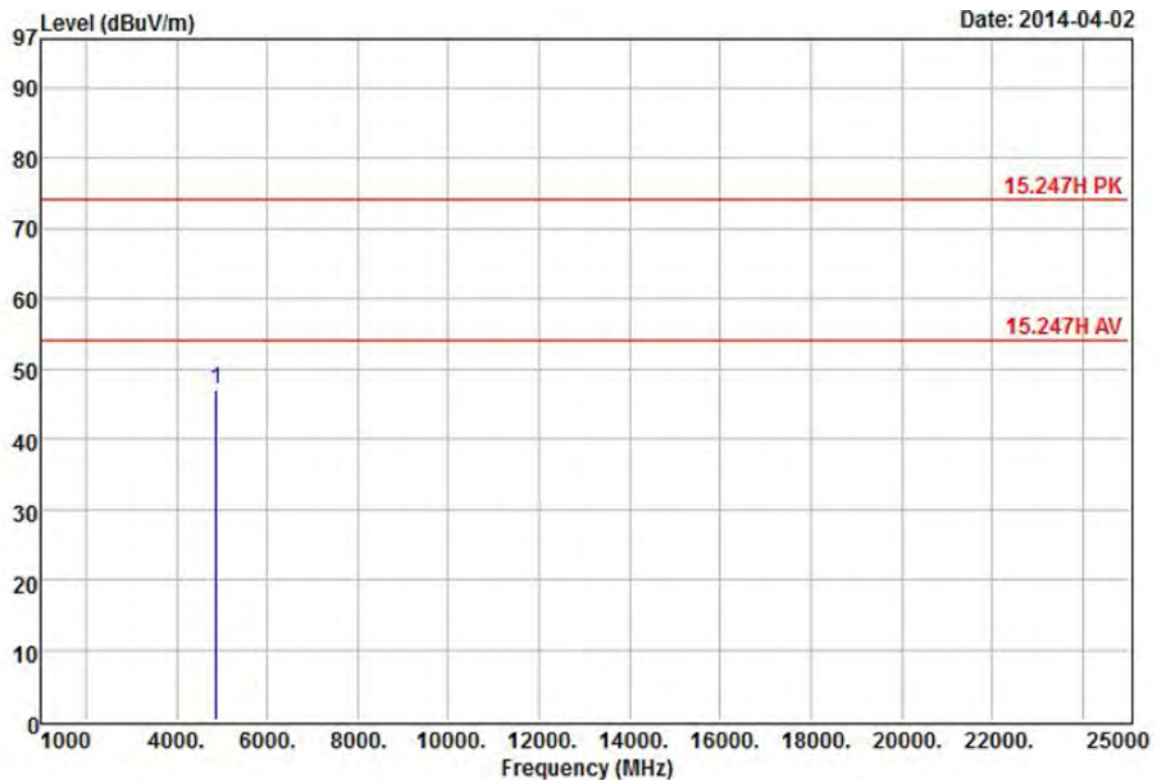


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11b CH1 (PCB Antenna)

		Read			Over	Limit	
	Freq	Level	Level	Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4824.12	56.03	46.38	-9.65	-27.62	74.00	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL

eut : 14010802

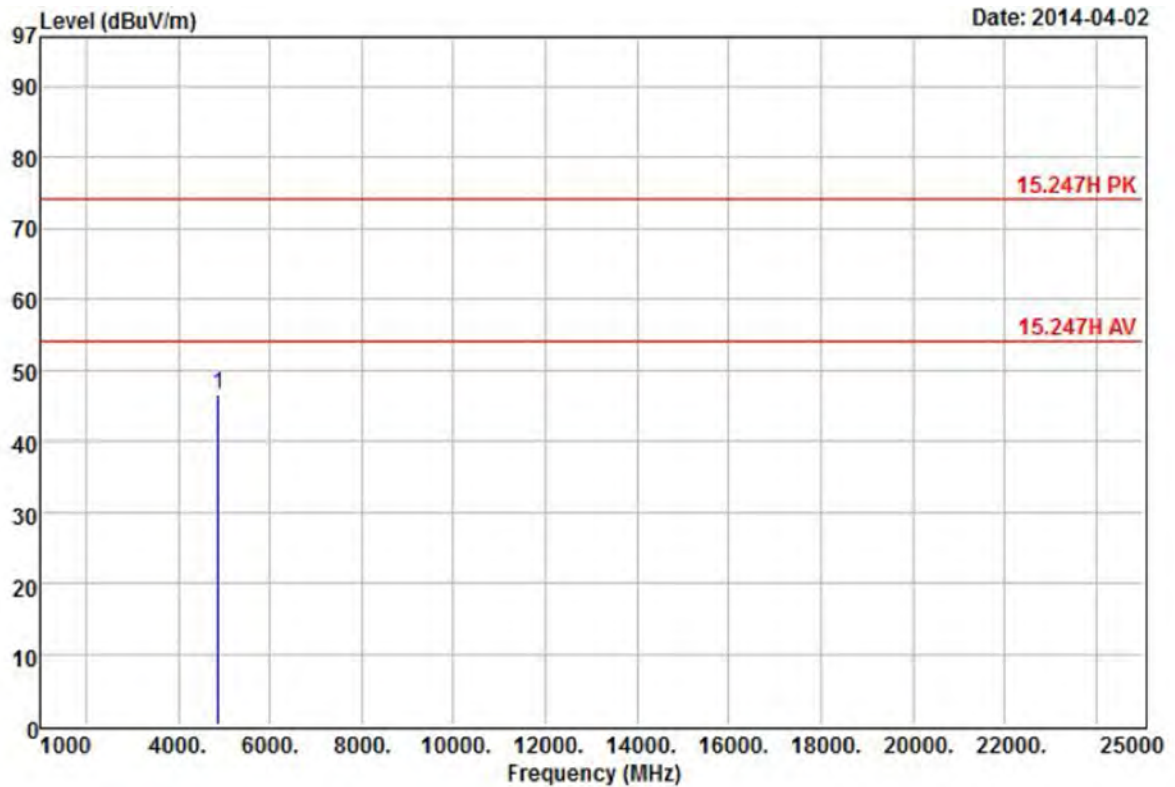
mode : Transmit

memo : 802.11b CH6 (PCB Antenna)

		Read			Over	Limit	
	Freq	Level	Level	Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4874.02	56.46	47.04	-9.42	-26.96	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

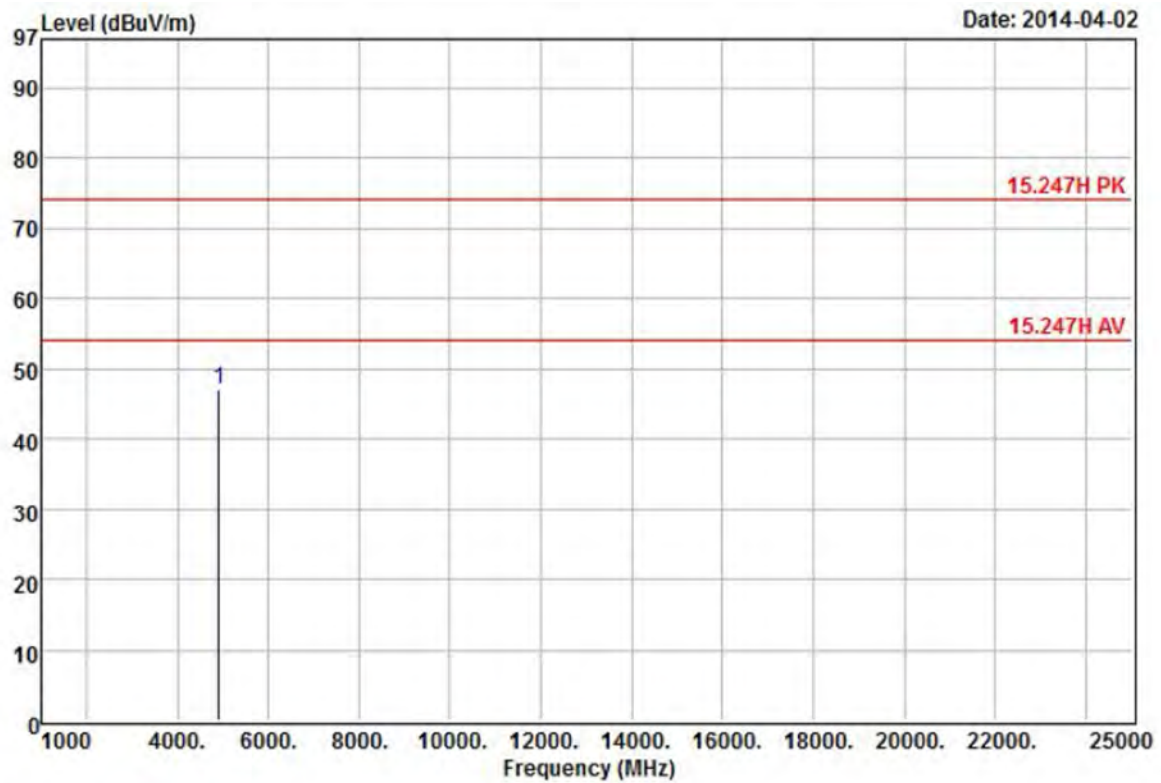


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11b CH6 (PCB Antenna)

		Read		Over	Limit	
	Freq	Level	Level Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m
1	4874.07	56.02	46.60	-9.42	-27.40	74.00 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 1	: 802.11b, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

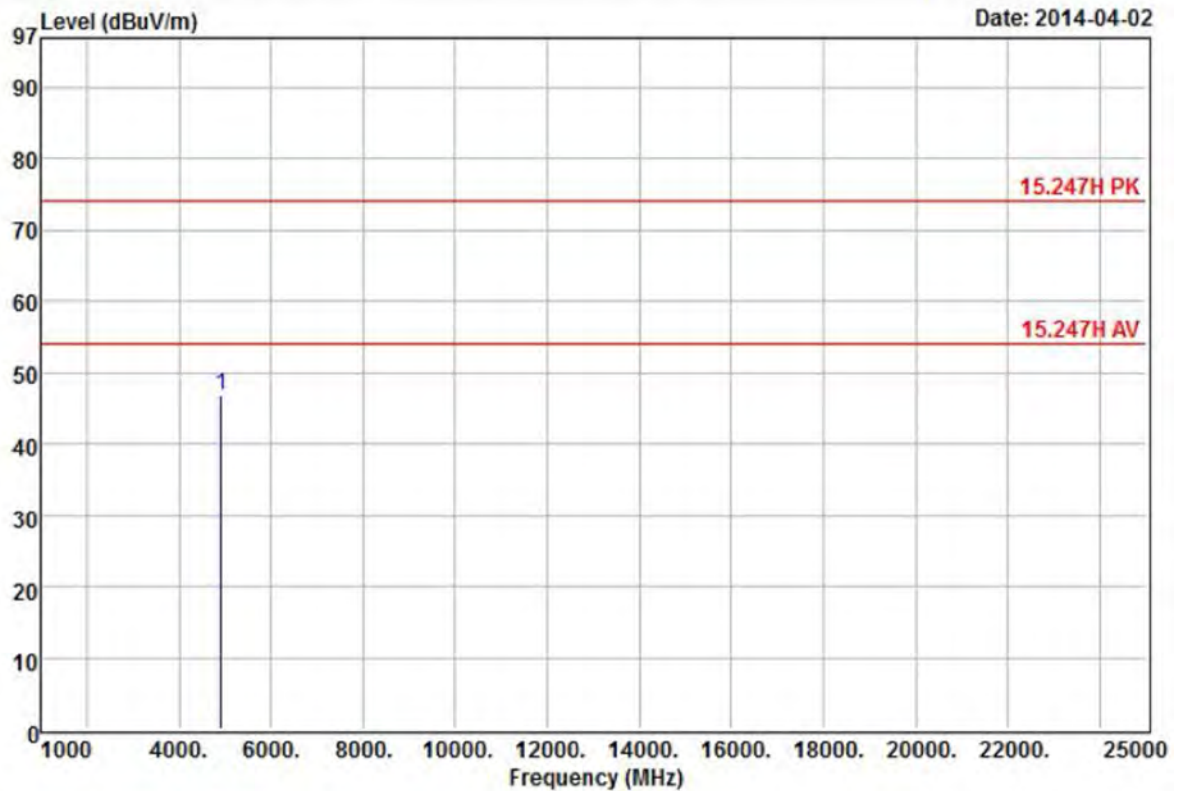


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11b CH11 (PCB Antenna)

	Read			Over		Limit	Remark
	Freq	Level	Level Factor	Limit	Line		
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4924.06	56.37	47.17	-9.20	-26.83	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 1	: 802.11b, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

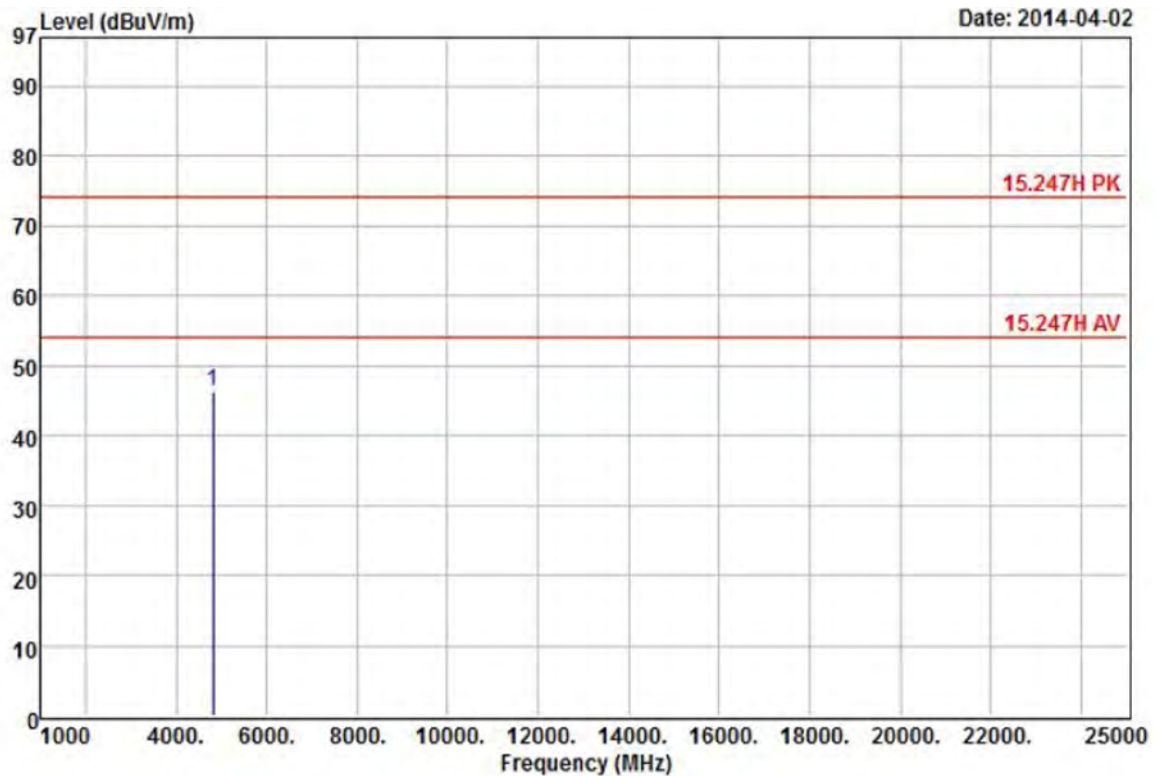


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11b CH11 (PCB Antenna)

	Freq	Read	Level Factor	Over	Limit	Remark
		Level		Limit	Line	
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m
1	4924.10	56.12	46.92	-9.20	-27.08	74.00 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

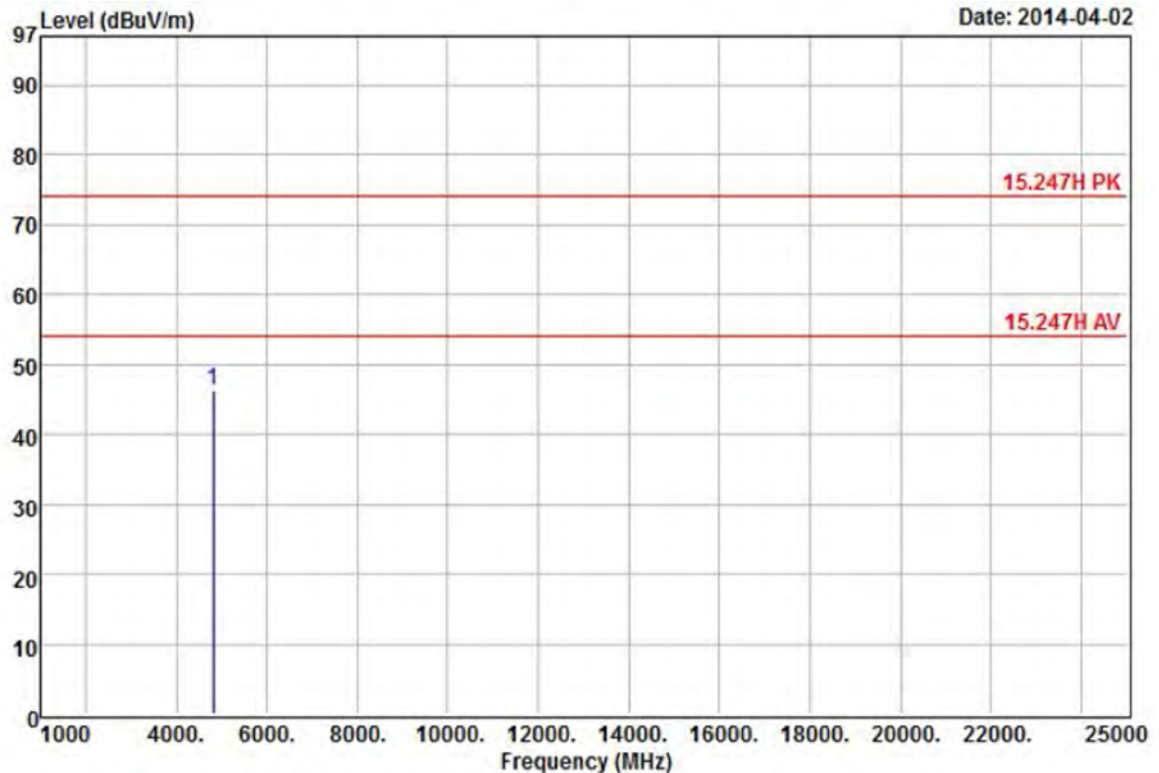


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH1 (PCB Antenna)

	Read			Over	Limit	
Freq	Level	Level	Factor	Limit	Line	Remark
MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1 4824.02	56.03	46.38	-9.65	-27.62	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

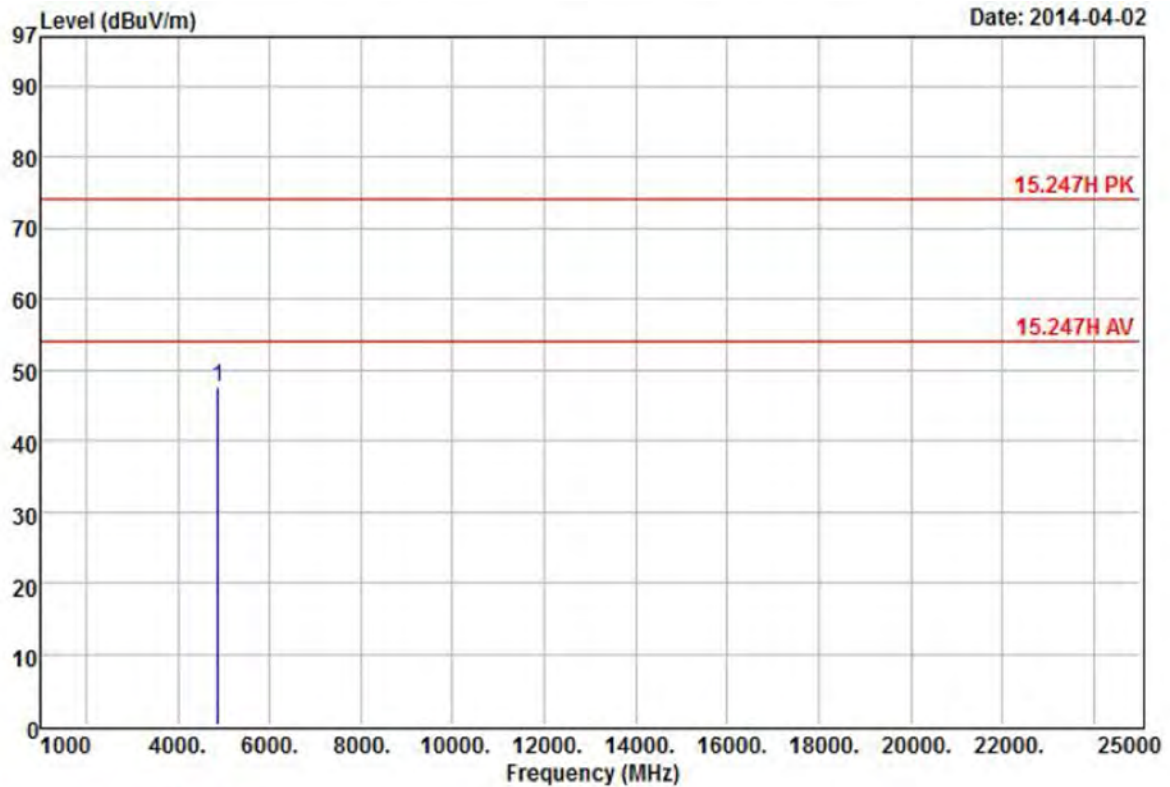
mode : Transmit

memo : 802.11g CH1 (PCB Antenna)

	Read			Over Limit		Line	Remark
	Freq	Level	Level Factor	Limit	Limit		
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4824.06	56.03	46.38	-9.65	-27.62	74.00	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

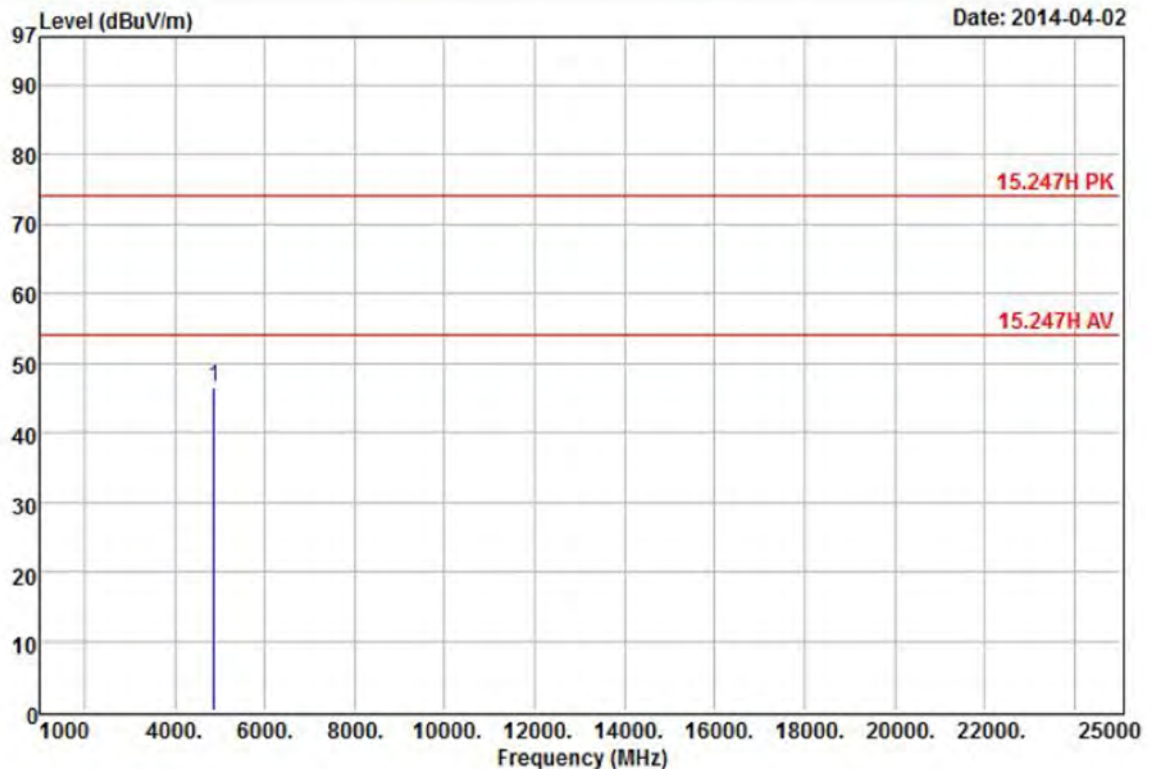


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH6 (PCB Antenna)

	Read	Over	Limit			
Freq	Level	Level	Factor	Limit	Line	Remark
MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1 4874.13	57.12	47.70	-9.42	-26.30	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

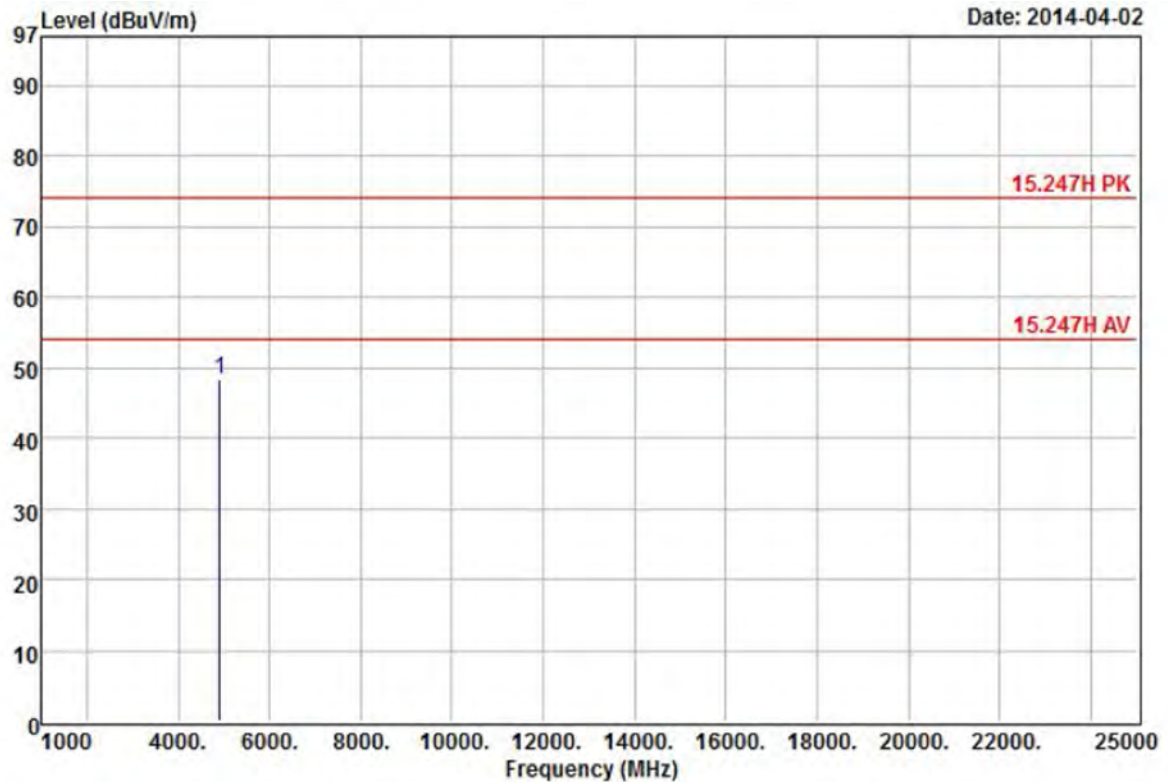


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11g CH6 (PCB Antenna)

	Read			Over Limit		Remark
	Freq	Level	Level Factor	Limit	Line	
	MHz	dBuV	dBuV/m	dB	dBuV/m	
1	4874.13	56.05	46.63	-9.42	-27.37 74.00	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 2	: 802.11g, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

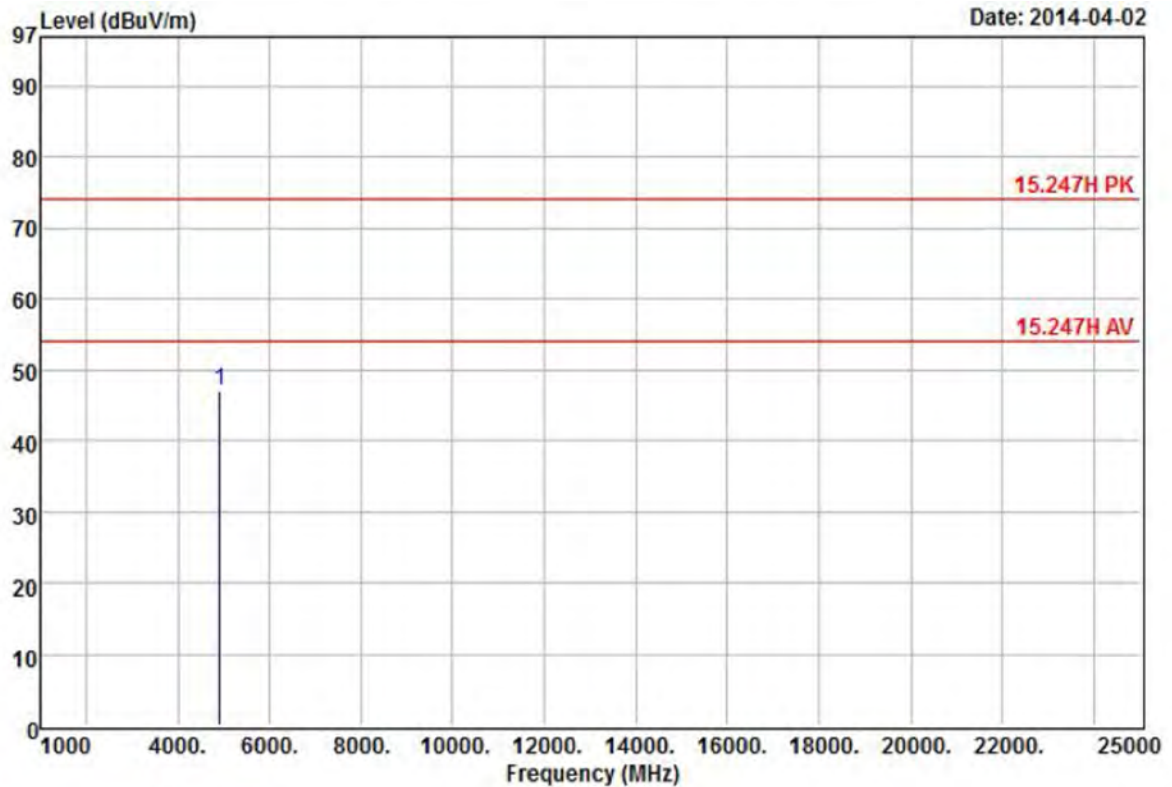


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11g CH11 (PCB Antenna)

	Read			Over		Limit	Remark
	Freq	Level	Level Factor	Limit	Line		
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4924.07	57.55	48.35	-9.20	-25.65	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 2	: 802.11g, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

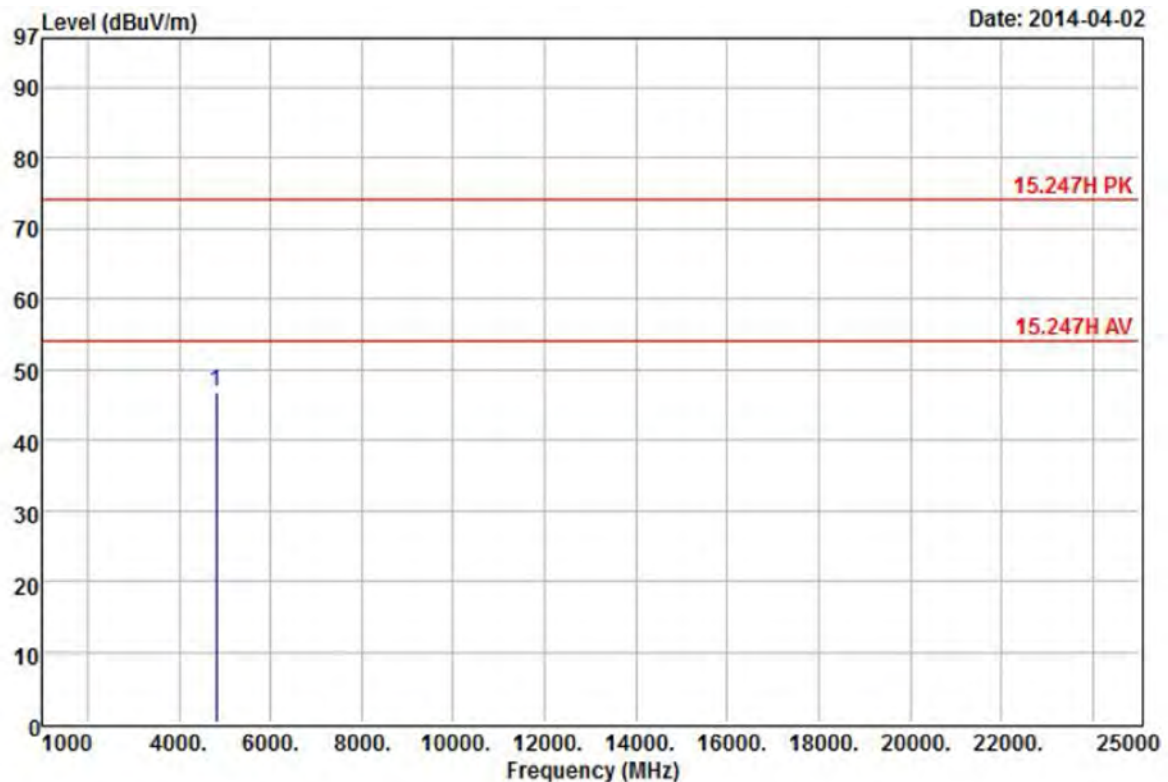


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11g CH11 (PCB Antenna)

	Read	Over	Limit	
Freq	Level	Level	Factor	Limit
				Line
				Remark
MHz	dBuV	dBuV/m	dB/m	dB dBuV/m
1 4924.10	56.25	47.05	-9.20	-26.95 74.00 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

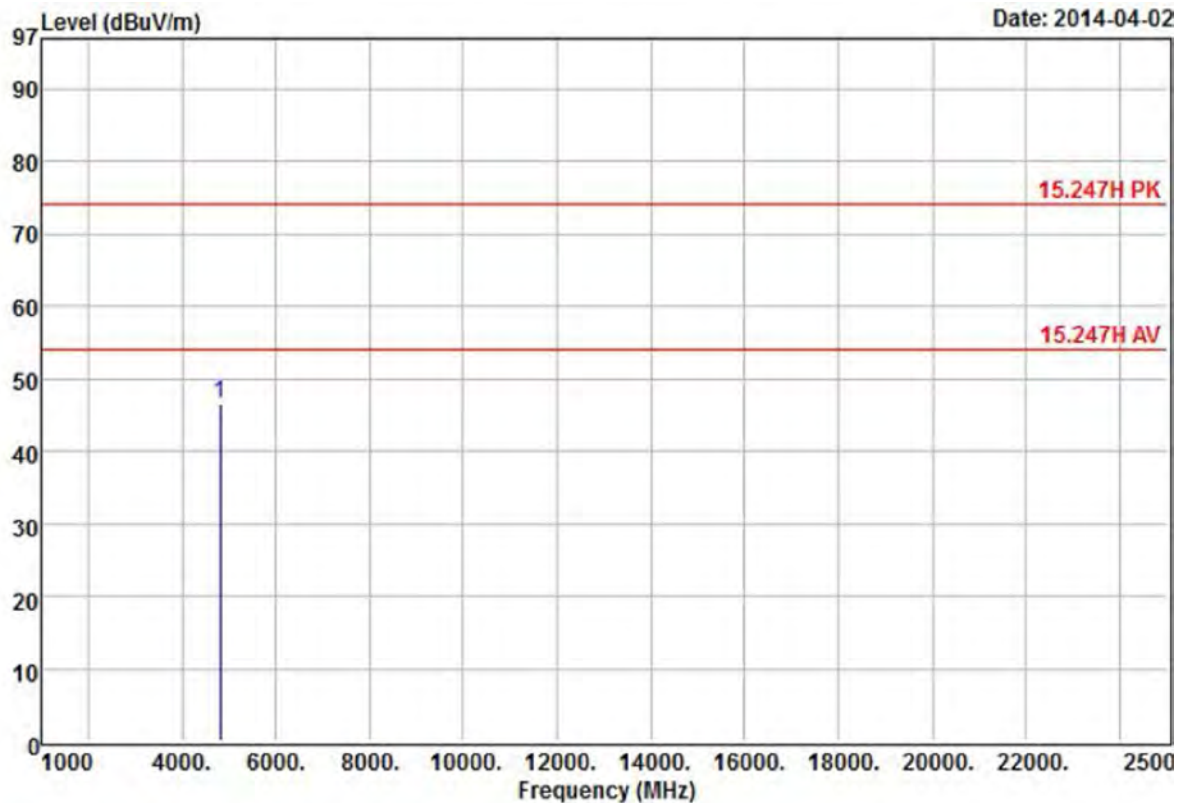


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH1 (PCB Antenna)

	Read			Over		Limit	Remark
	Freq	Level	Level Factor	Limit	Line		
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4824.04	56.48	46.83	-9.65	-27.17	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH1	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

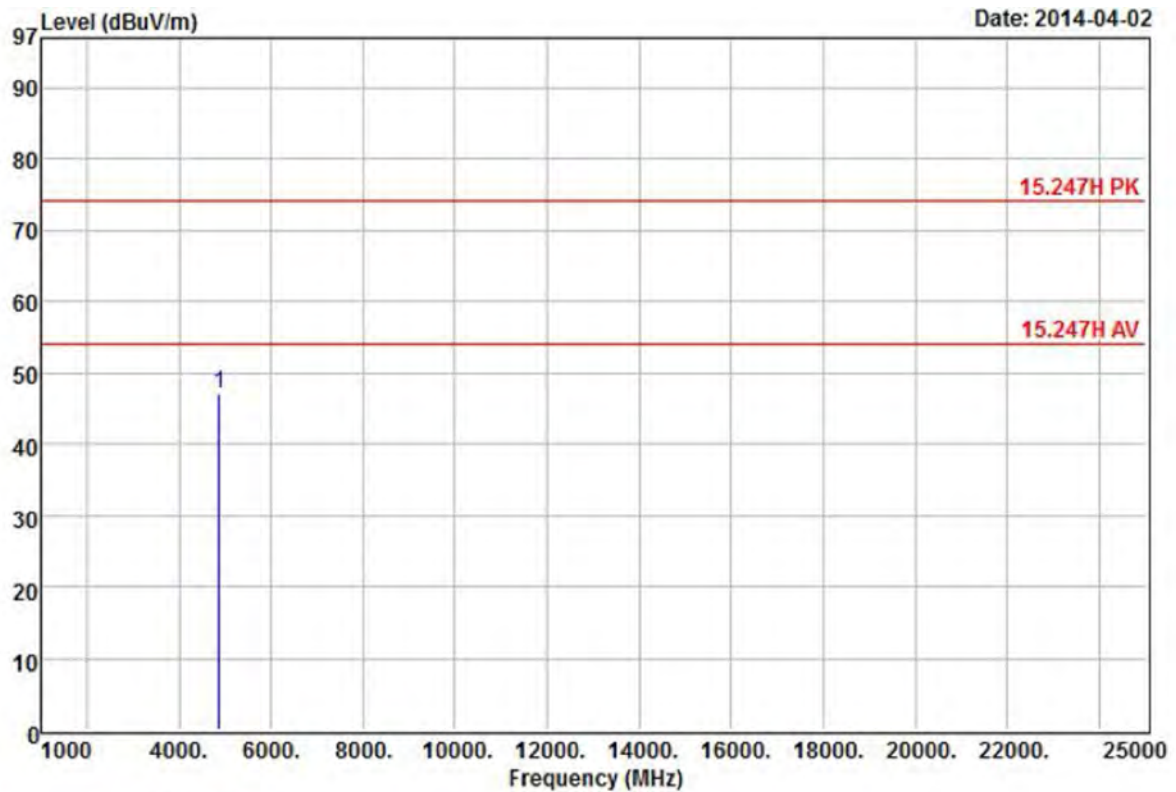
mode : Transmit

memo : 802.11n HT20 CH1 (PCB Antenna)

	Freq	Read		Over	Limit		Remark
		Level	Level		Limit	Line	
	MHz	dBuV	dBuV/m		dB	dBuV/m	
1	4824.02	56.17	46.52	-9.65	-27.48	74.00	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

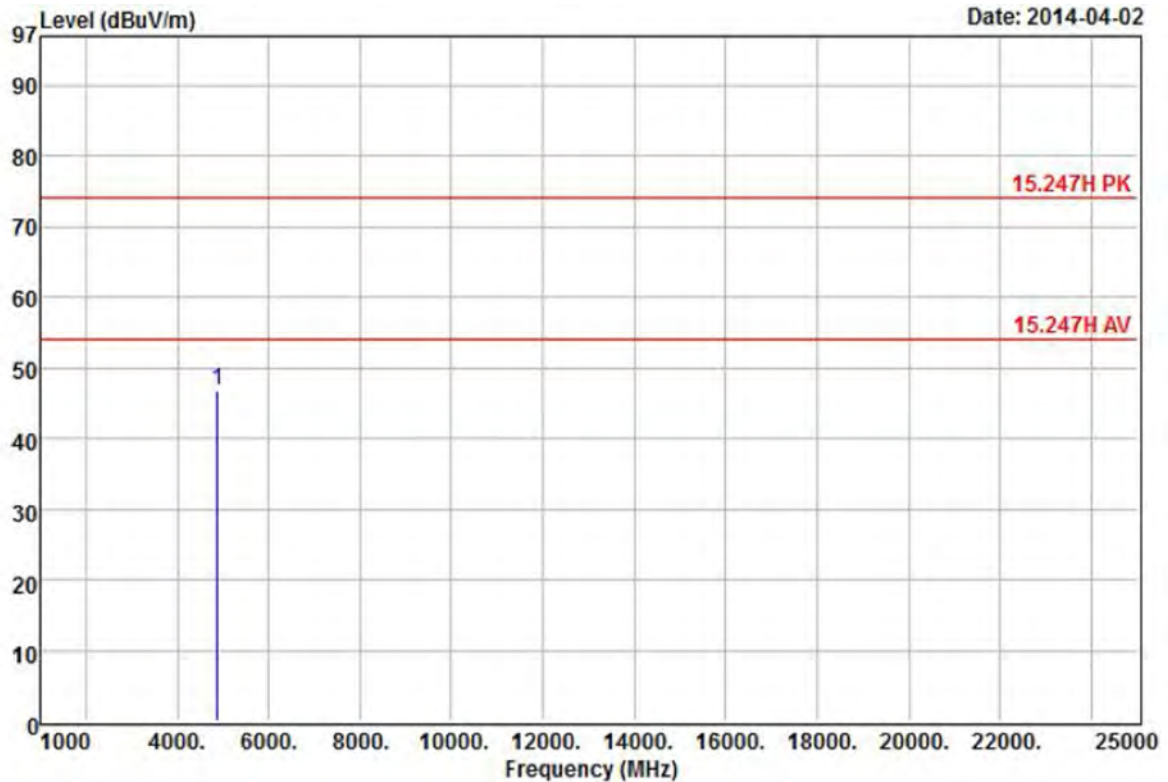


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH6 (PCB Antenna)

	Freq	Read			Over Limit		Remark
		Level	Level	Factor	Limit	Line	
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4874.11	56.52	47.10	-9.42	-26.90	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

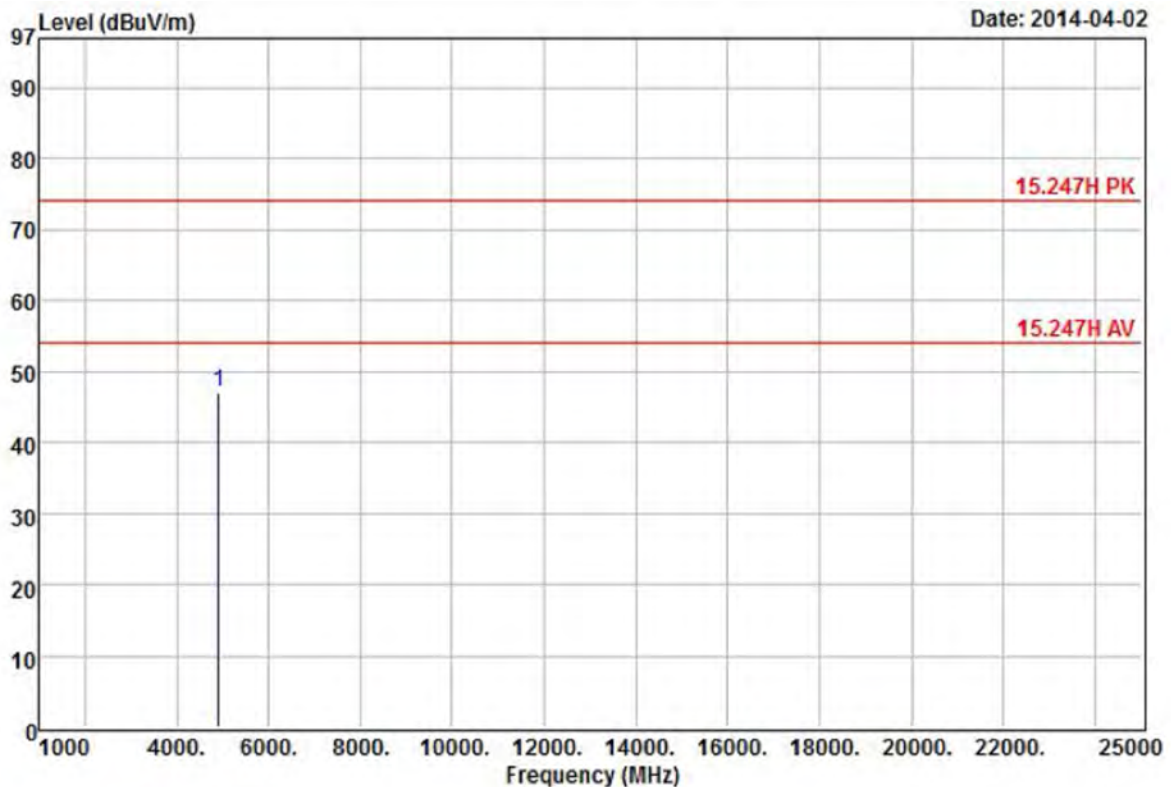


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH6 (PCB Antenna)

	Freq	Read			Over Limit		Line	Remark
		Level	Level Factor		Limit	Limit		
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m		
1	4874.07	56.16	46.74	-9.42	-27.26	74.00	Peak	



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 3	: 802.11n HT20, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

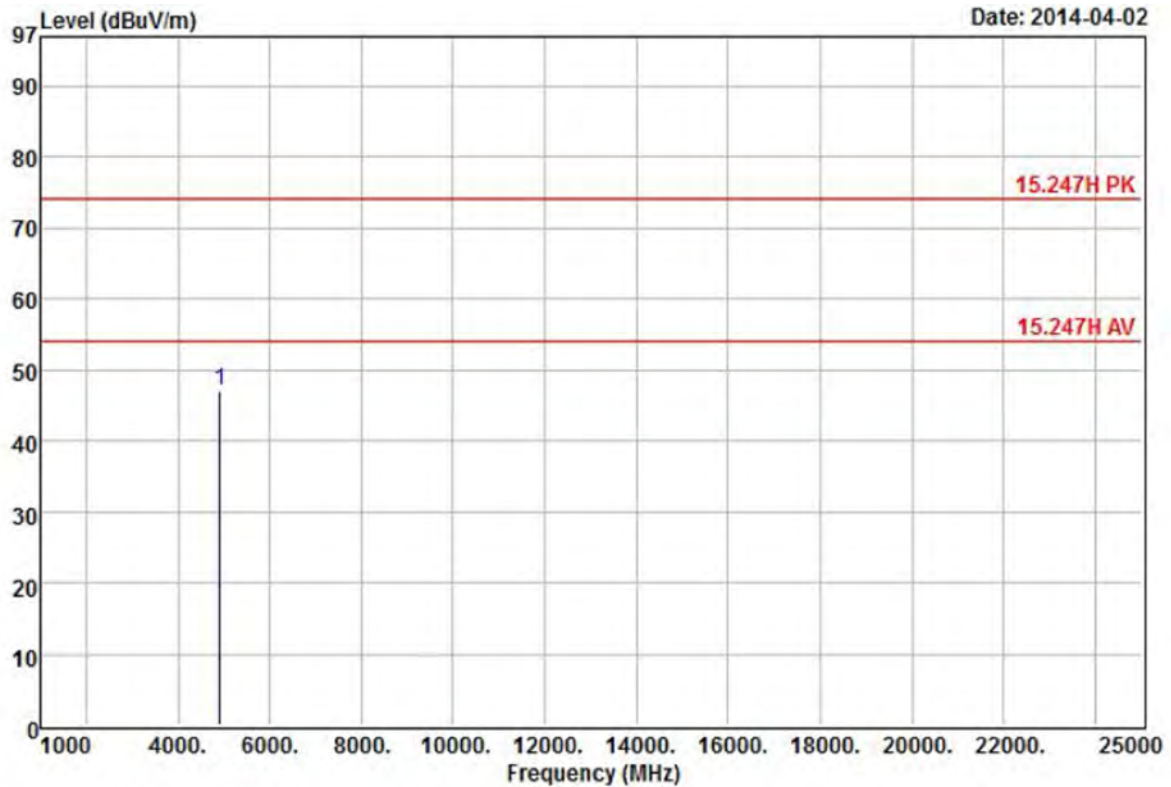


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH11 (PCB Antenna)

	Freq	Read		Over	Limit	Limit	Remark
		Level	Level Factor			Line	
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4924.06	56.33	47.13	-9.20	-26.87	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 3	: 802.11n HT20, CH11	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

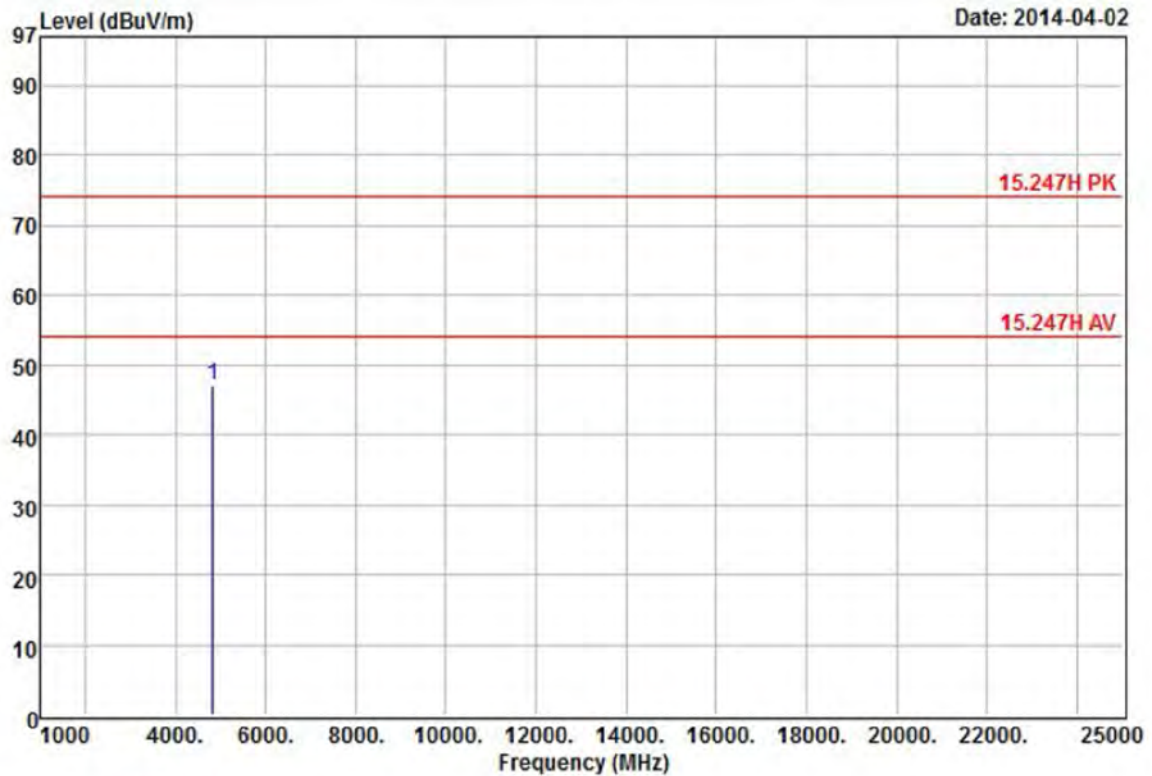


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH11 (PCB Antenna)

	Read			Over	Limit	
	Freq	Level	Level Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	
1	4924.12	56.24	47.04	-9.20	-26.96	74.00 Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40 CH3	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL

eut : 14010802

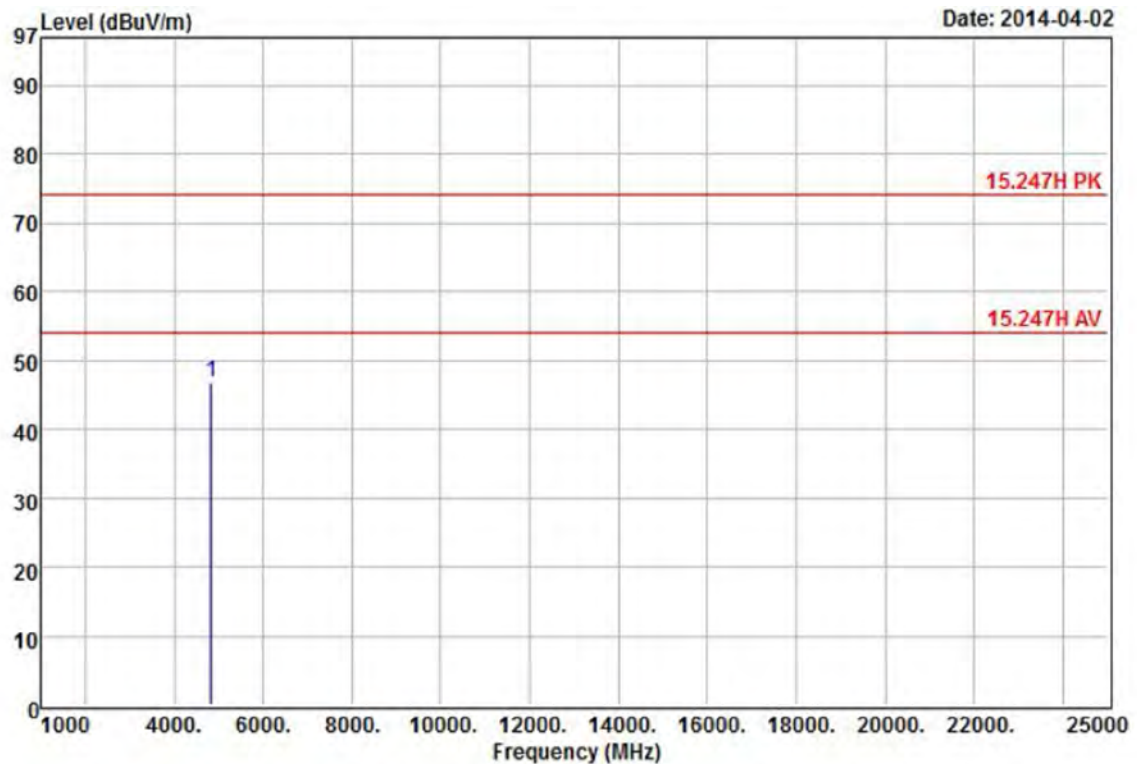
mode : Transmit

memo : 802.11n HT40 CH3 (PCB Antenna)

	Read			Over	Limit	
	Freq	Level	Level Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m
1	4844.13	56.71	47.15	-9.56	-26.85	74.00 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40 CH3	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

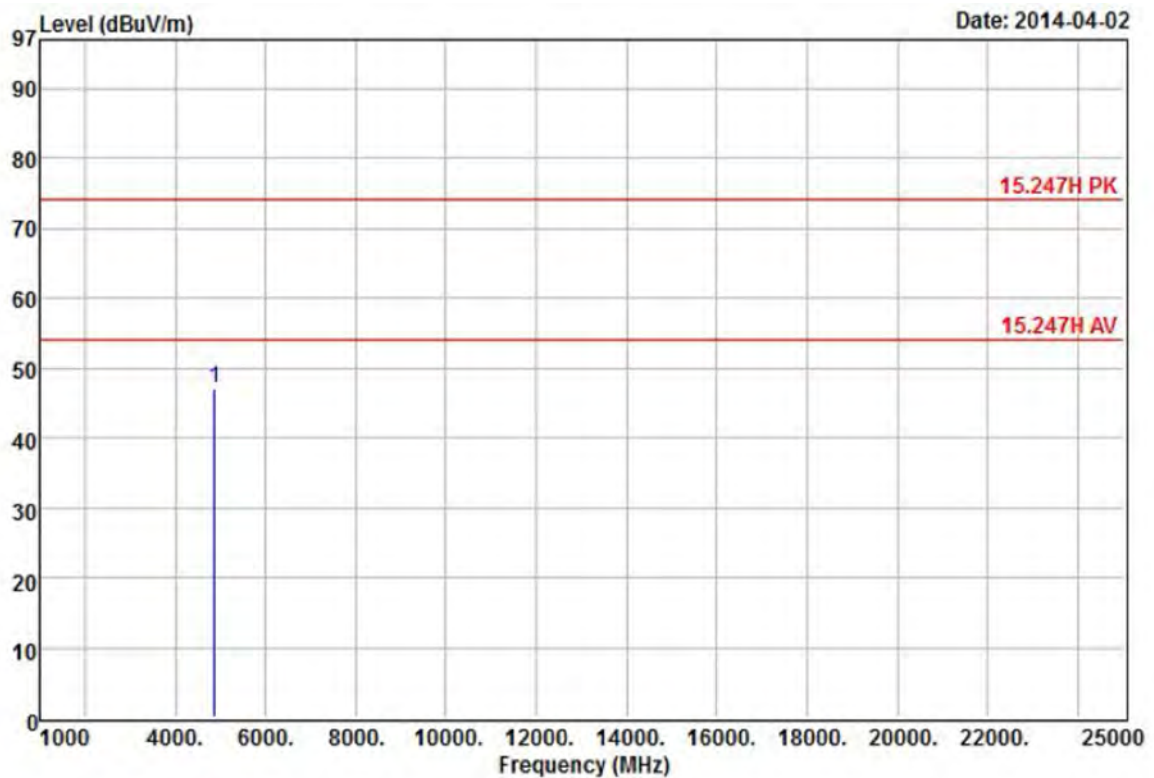


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT40 CH3 (PCB Antenna)

	Freq	Read			Over Limit		Limit	Line	Remark
		Level	Level	Factor	Limit	Limit			
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m			
1	4844.12	56.34	46.78	-9.56	-27.22	74.00	Peak		



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40 CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

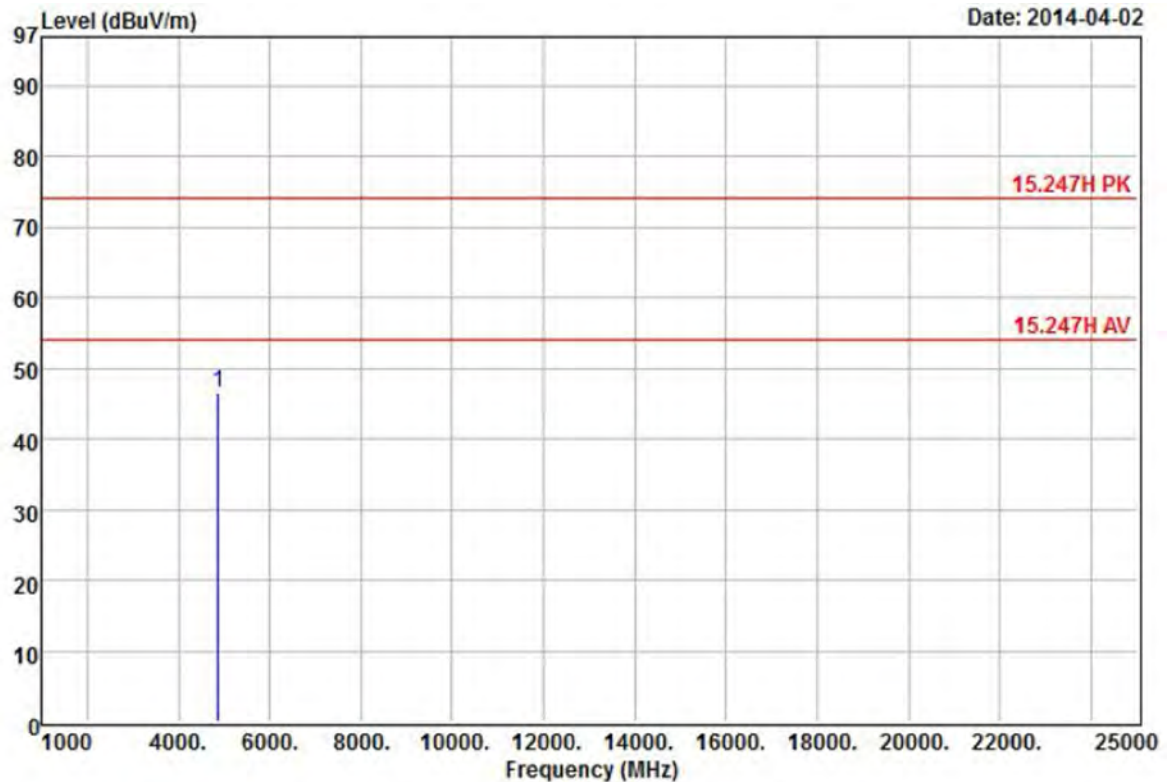


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11n HT40 CH6 (PCB Antenna)

	Read	Over	Limit			
	Freq	Level	Level	Factor	Limit	Line Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m
1	4874.10	56.50	47.08	-9.42	-26.92	74.00 Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40 CH6	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

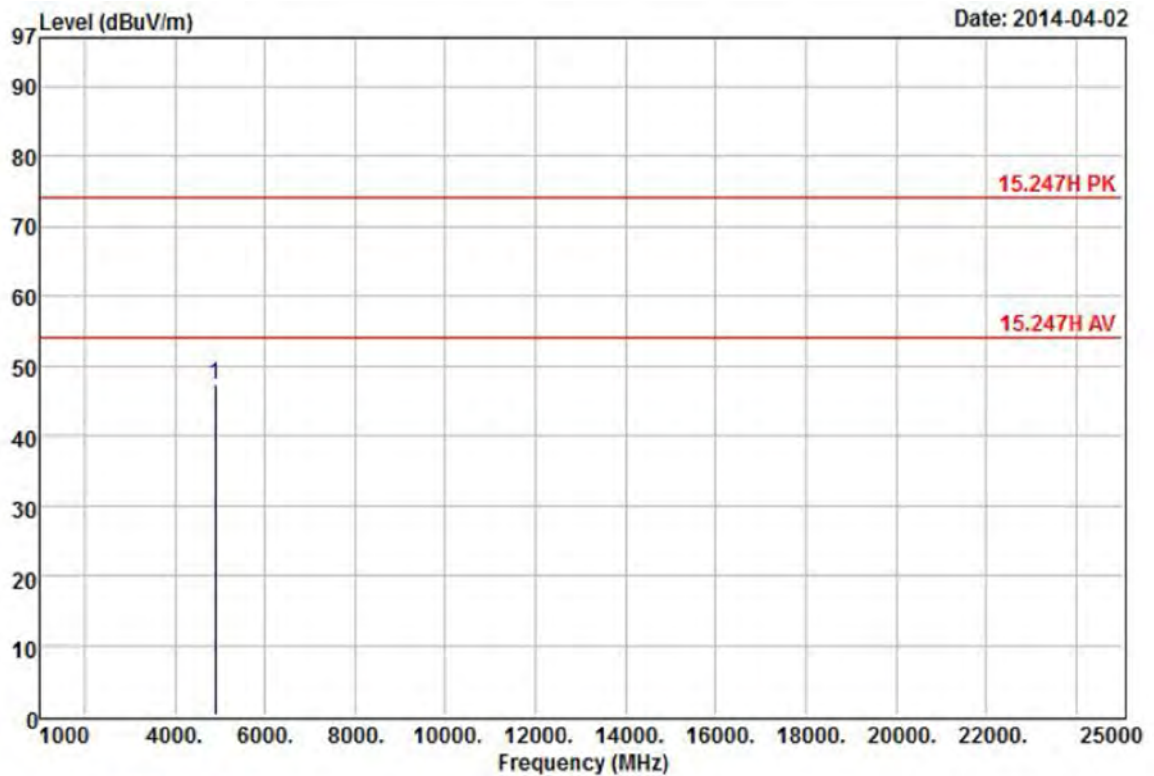


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT40 CH6 (PCB Antenna)

	Freq	Read		Over	Limit	Line	Remark
		Level	Level Factor				
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4874.10	56.09	46.67	-9.42	-27.33	74.00	Peak



Power	: DC 5V	Pol/Phase	: VERTICAL
Test Mode 4	: 802.11n HT40, CH9	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %

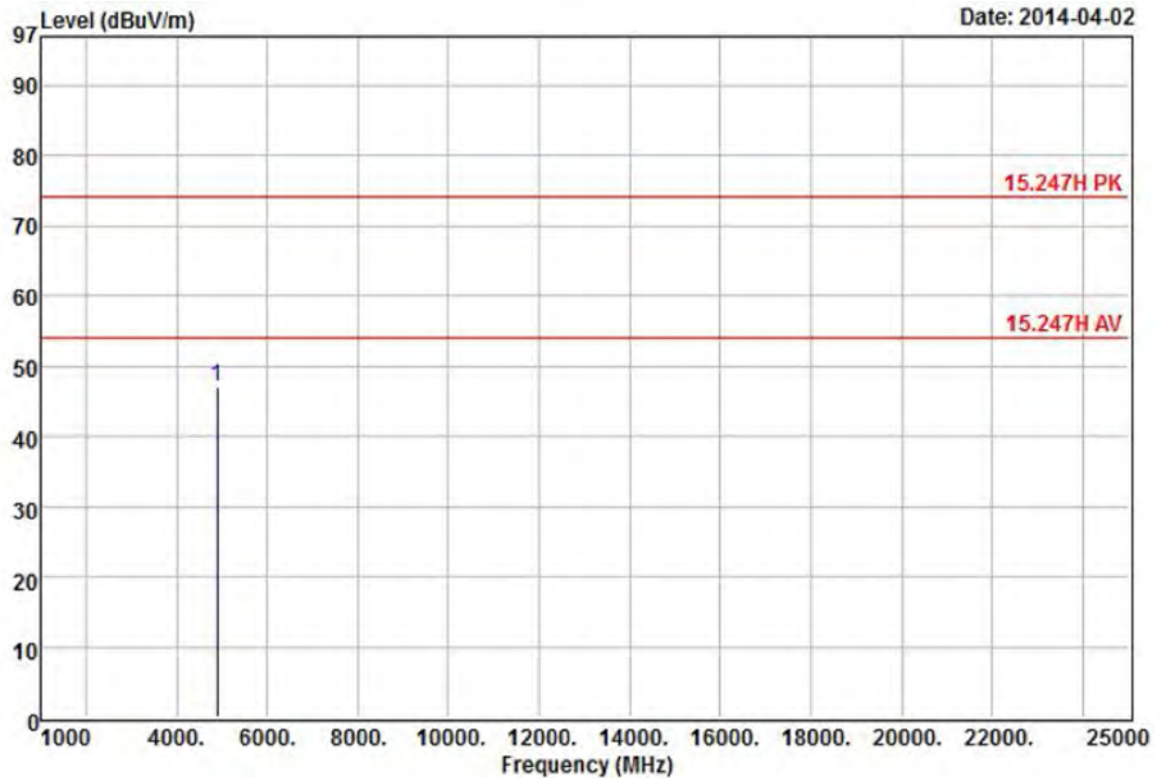


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11n HT40 CH9 (PCB Antenna)

		Read			Over	Limit	
	Freq	Level	Level	Factor	Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4904.13	56.72	47.42	-9.30	-26.58	74.00	Peak



Power	: DC 5V	Pol/Phase	: HORIZONTAL
Test Mode 4	: 802.11n HT40, CH9	Temperature	: 25 °C
Memo	: PCB Antenna	Humidity	: 48 %



Site : OPEN SITE

Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL

eut : 14010802

mode : Transmit

memo : 802.11n HT40 CH9 (PCB Antenna)

		Read			Over	Limit	
	Freq	Level	Level Factor		Limit	Line	Remark
	MHz	dBuV	dBuV/m	dB/m	dB	dBuV/m	
1	4904.03	56.27	46.97	-9.30	-27.03	74.00	Peak



8. 6dB Bandwidth Measurement Data

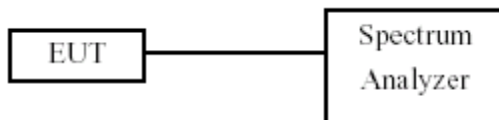
8.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

8.2 Test Procedures

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 1~5% of the emission bandwidth and $VBW \geq 3x RBW$.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

8.3 Test Setup Layout





8.4 Test Result and Data

Test Date: Mar. 18, 2014

Temperature: 22°C

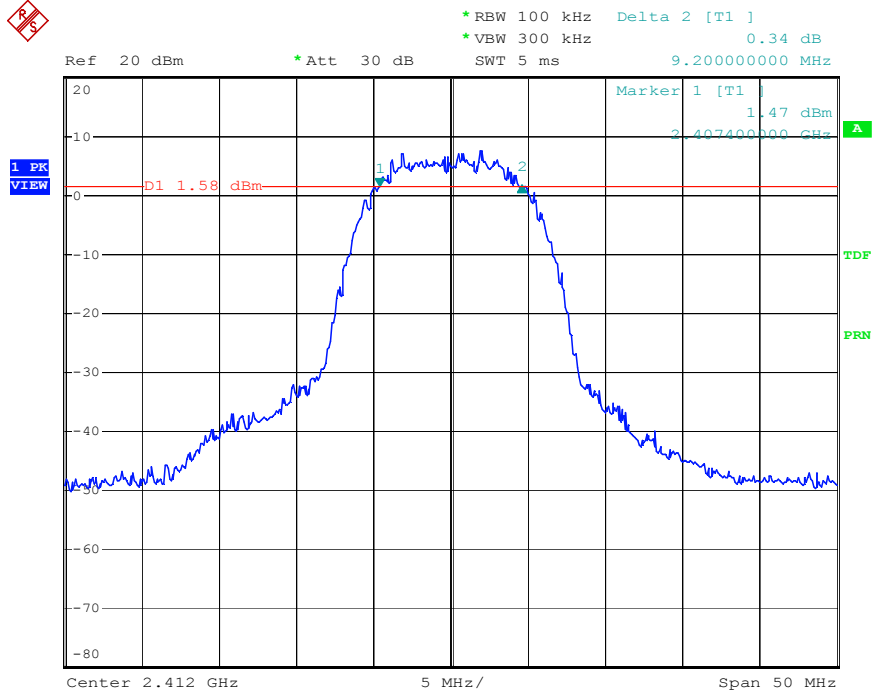
Atmospheric pressure: 1020 hPa

Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
			ANT R	ANT L
802.11b (11Mbps)	01	2412	9.2	9.1
	06	2437	9.3	9.2
	11	2462	9.2	9.2
802.11g (6Mbps)	01	2412	16.6	16.6
	06	2437	16.5	16.5
	11	2462	16.6	16.6
802.11n HT20 (6.5Mbps)	01	2412	17.8	17.8
	06	2437	17.8	17.8
	11	2462	17.7	17.7
802.11n HT40 (13.5Mbps)	03	2422	36.4	36.4
	06	2437	36.6	36.6
	09	2452	36.6	36.6

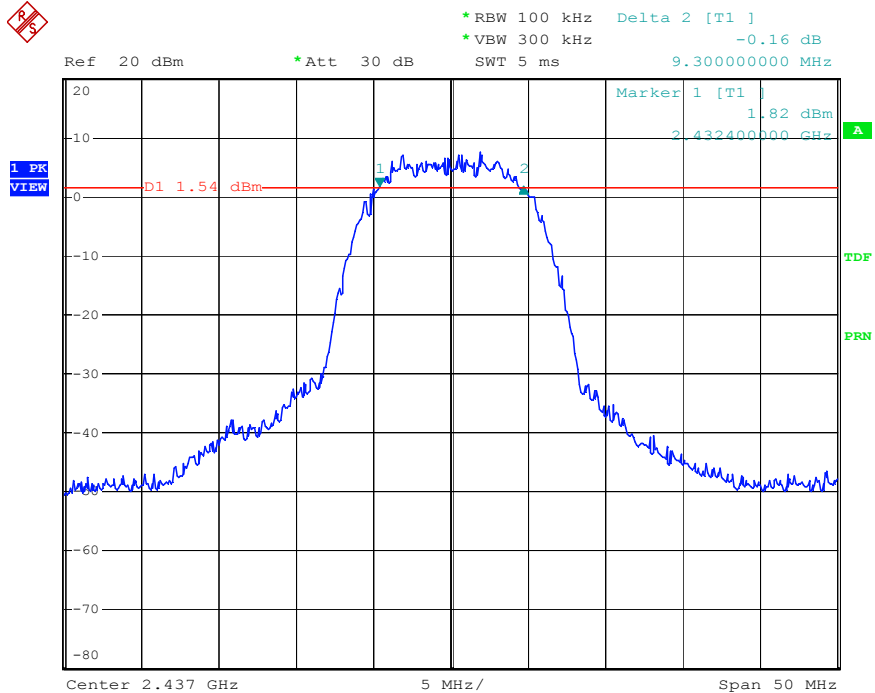


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 01



Date: 18.MAR.2014 14:53:21

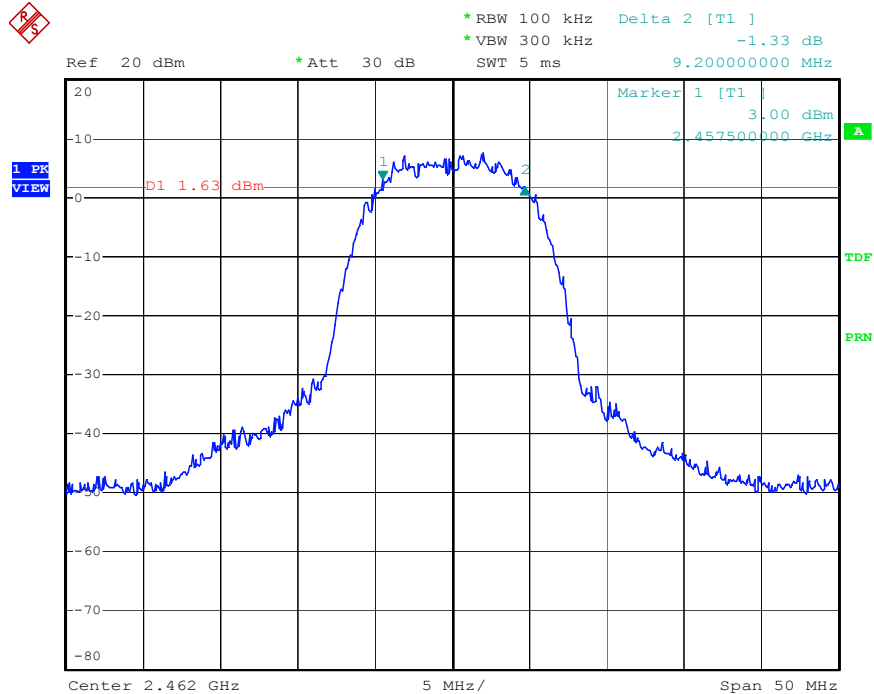
Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 06



Date: 18.MAR.2014 14:54:59

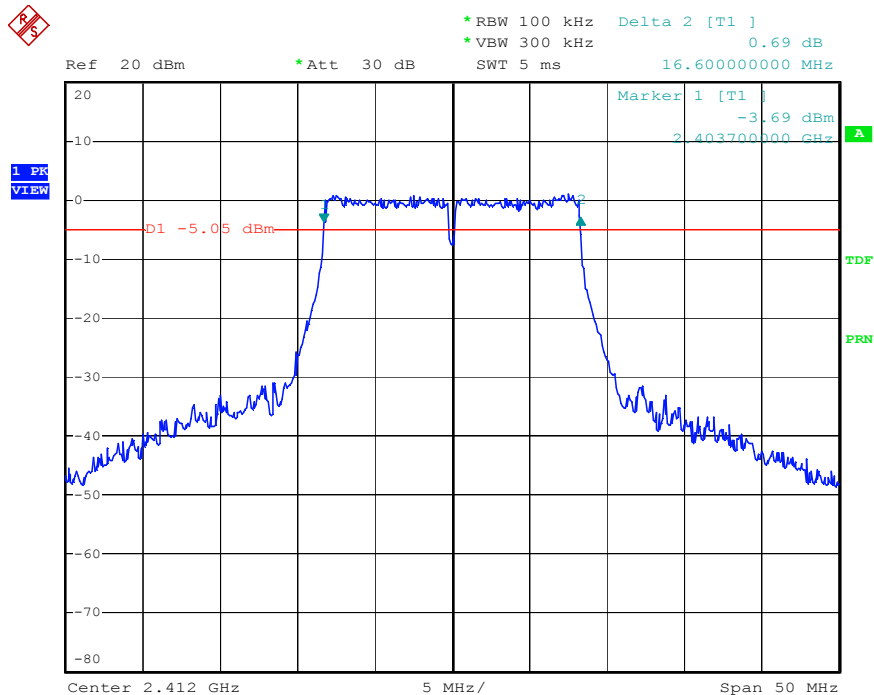


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 11



Date: 18.MAR.2014 15:02:05

Modulation Standard: 802.11g (6Mbps), ANT R
Channel: 01

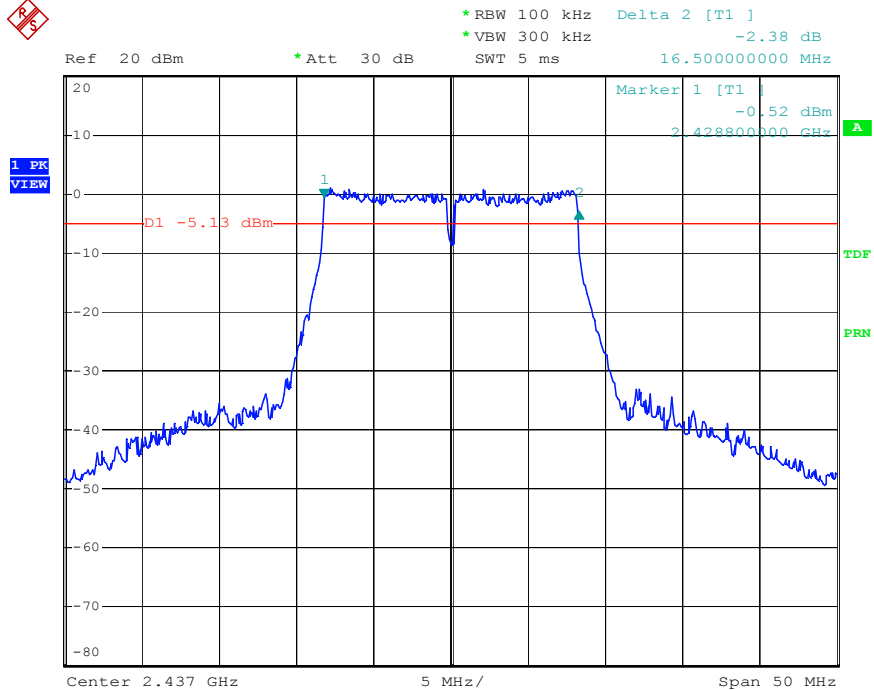


Date: 18.MAR.2014 15:19:00



Modulation Standard: 802.11g (6Mbps), ANT R

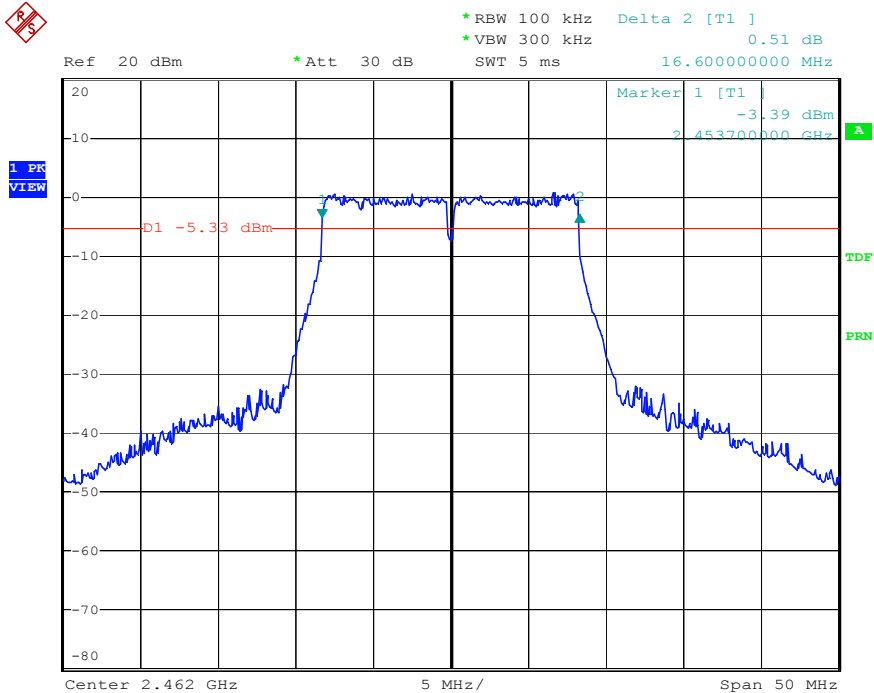
Channel: 06



Date: 18.MAR.2014 15:21:51

Modulation Standard: 802.11g (6Mbps), ANT R

Channel: 11

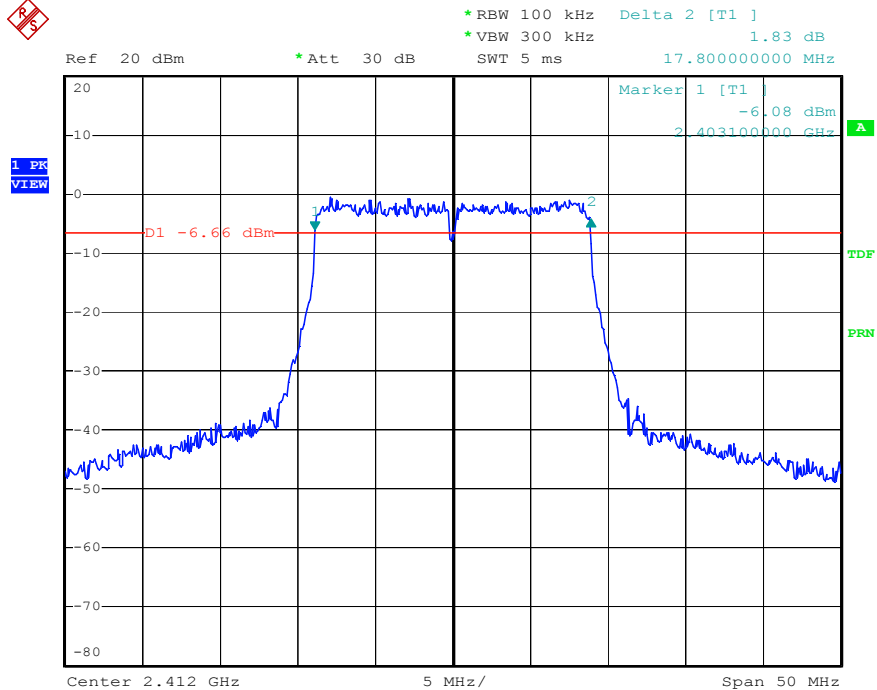


Date: 18.MAR.2014 15:22:57



Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R

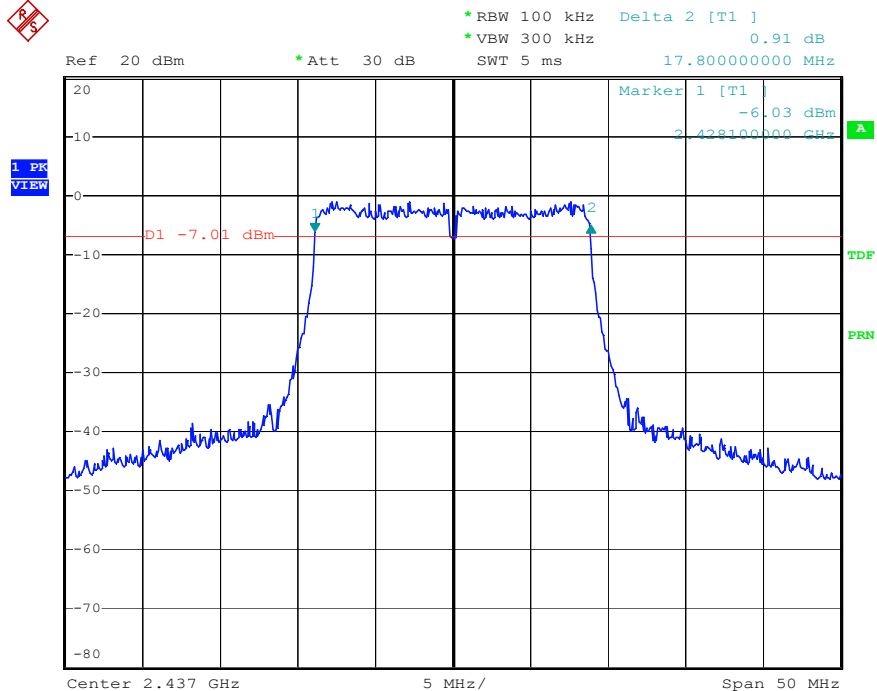
Channel: 01



Date: 18.MAR.2014 15:27:14

Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R

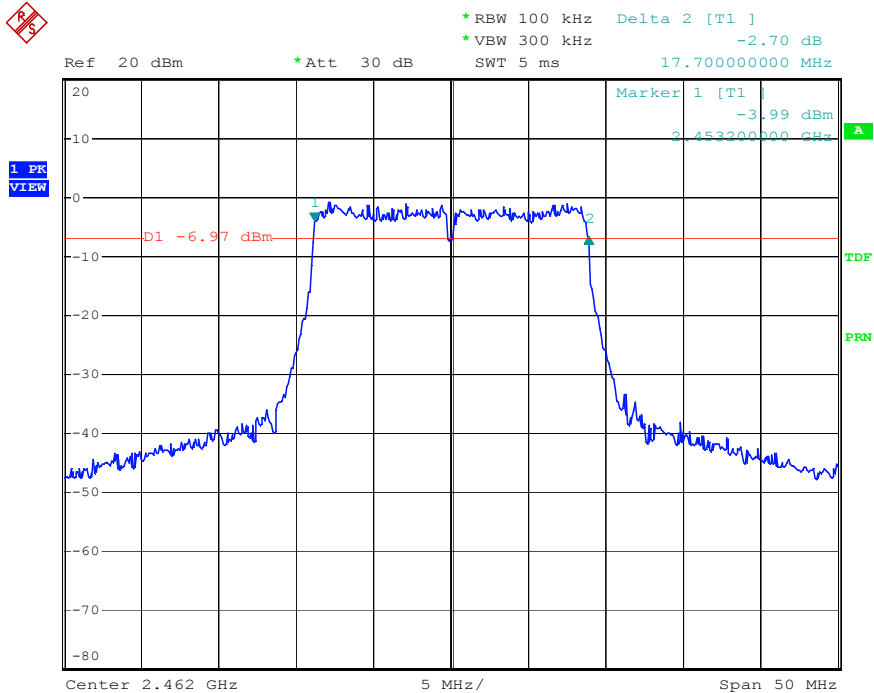
Channel: 06



Date: 18.MAR.2014 15:28:42

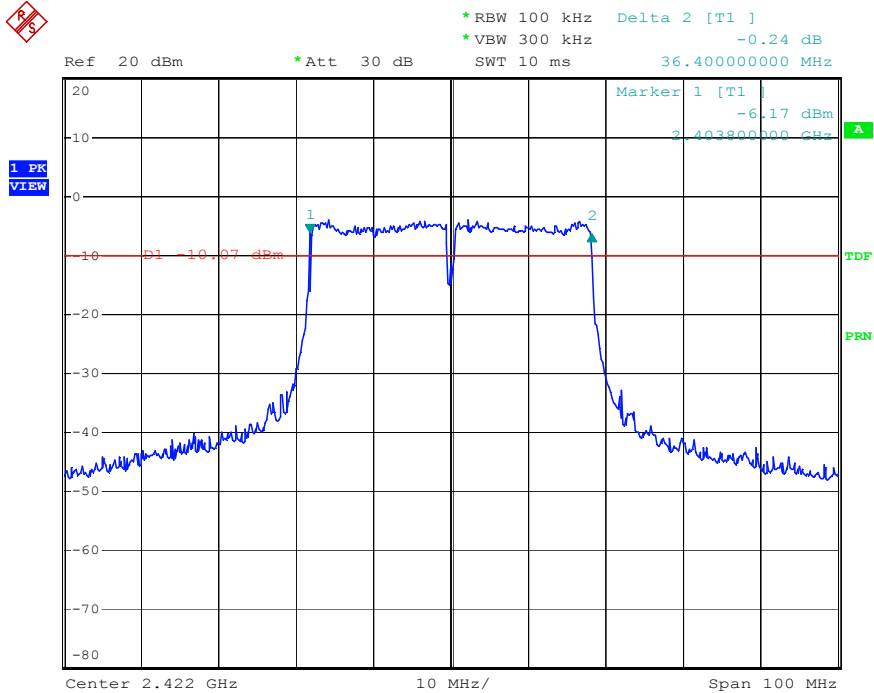


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 11



Date: 18.MAR.2014 15:31:52

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 03

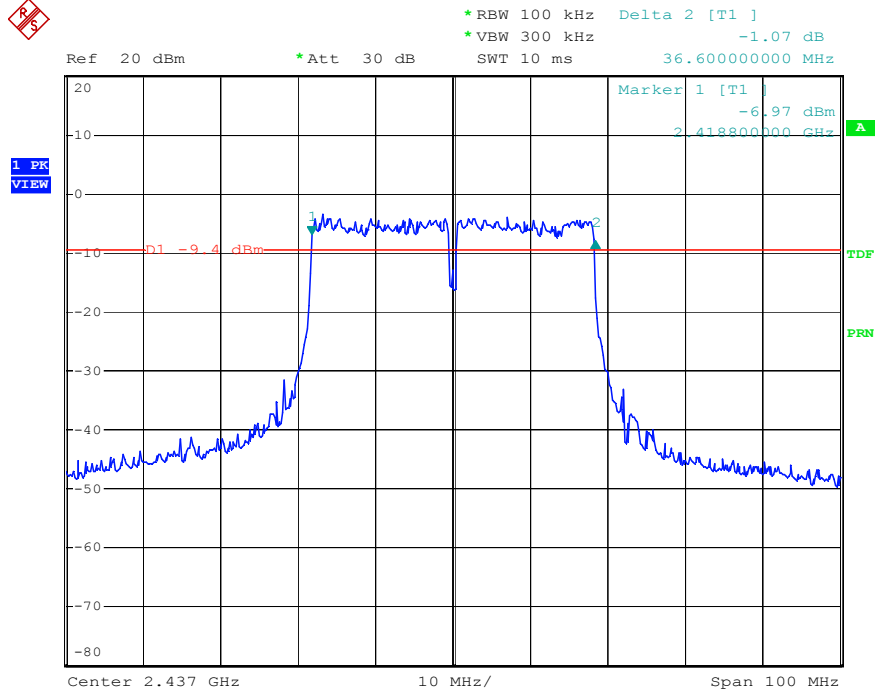


Date: 18.MAR.2014 15:44:50



Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R

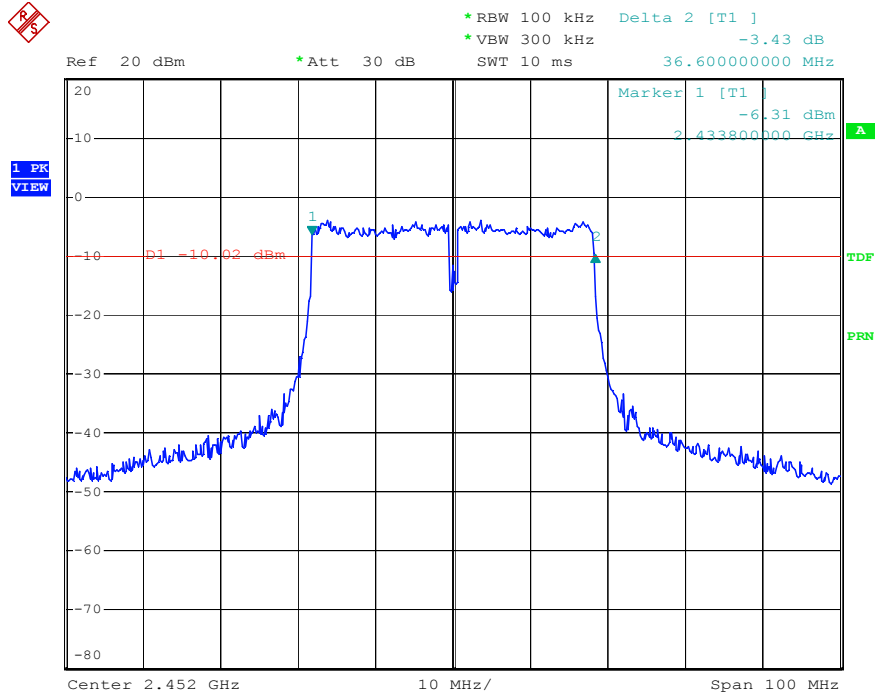
Channel: 06



Date: 18.MAR.2014 15:45:54

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R

Channel: 09

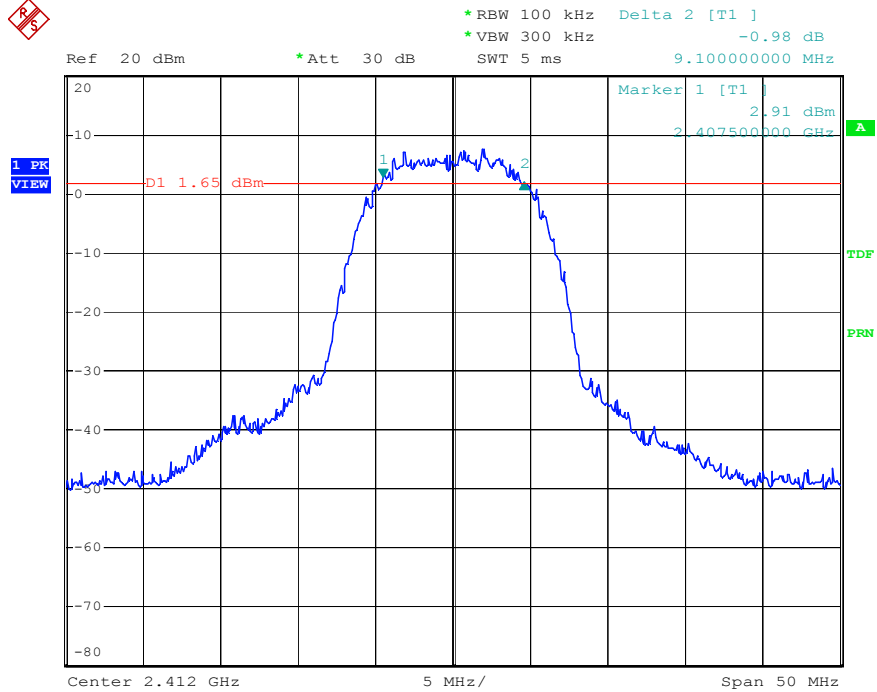


Date: 18.MAR.2014 15:46:50



Modulation Standard: 802.11b (11Mbps), ANT L

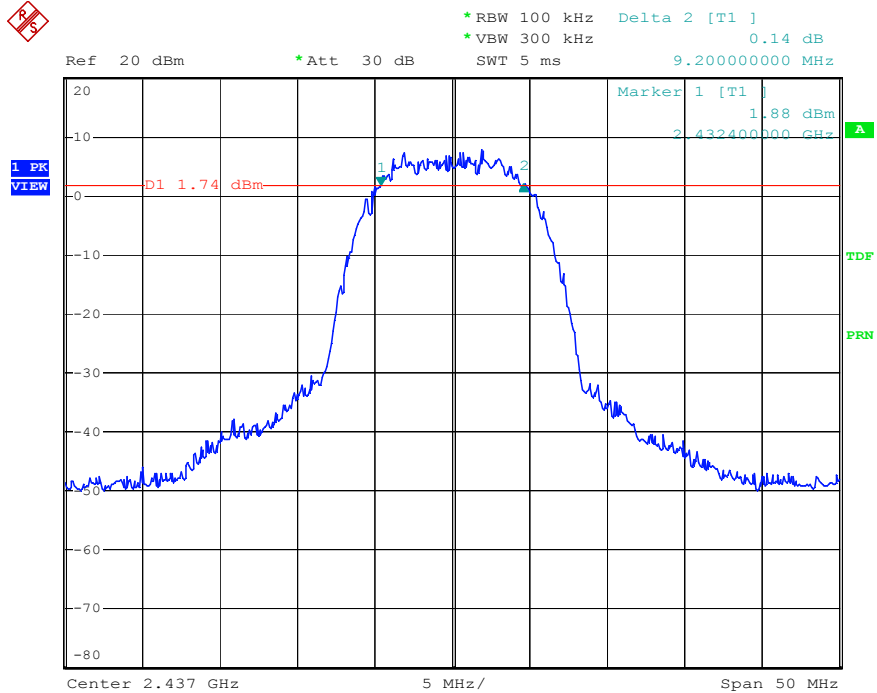
Channel: 01



Date: 18.MAR.2014 15:09:29

Modulation Standard: 802.11b (11Mbps), ANT L

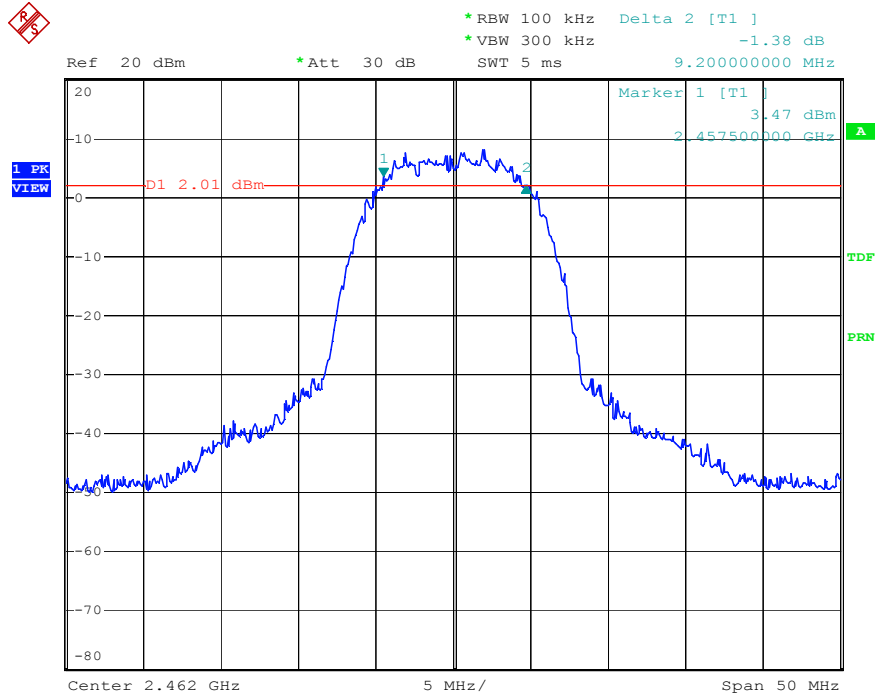
Channel: 06



Date: 18.MAR.2014 15:08:17

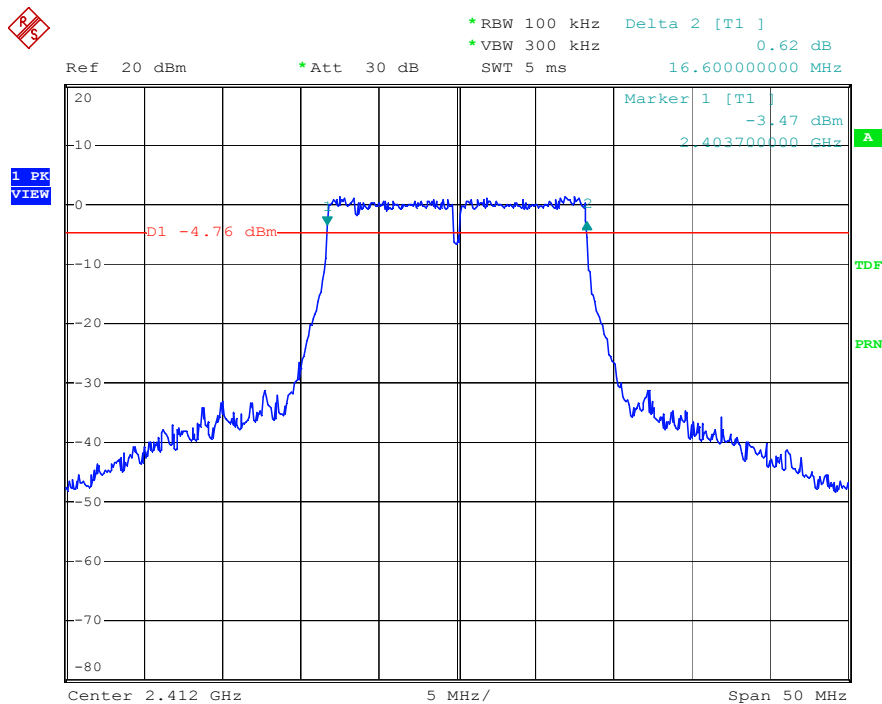


Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 15:07:15

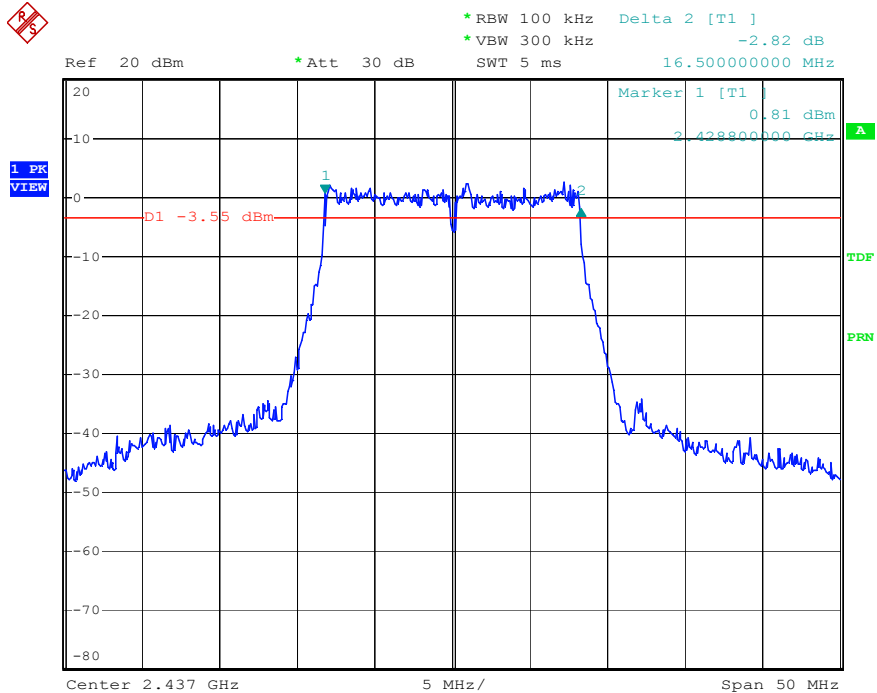
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 15:14:09

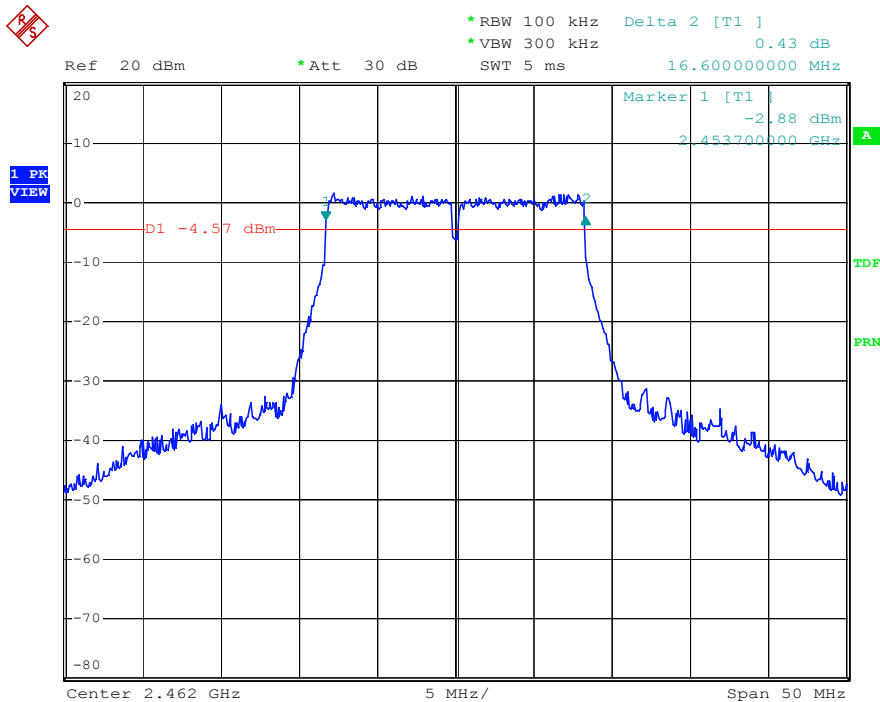


Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 15:15:50

Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 11



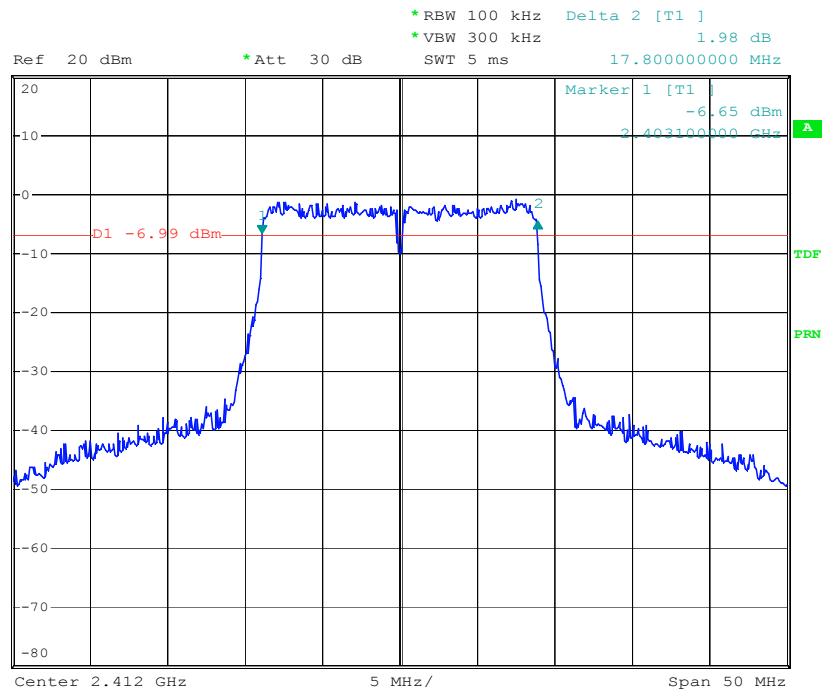
Date: 18.MAR.2014 15:16:47



Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 01



1 PK
VIEW

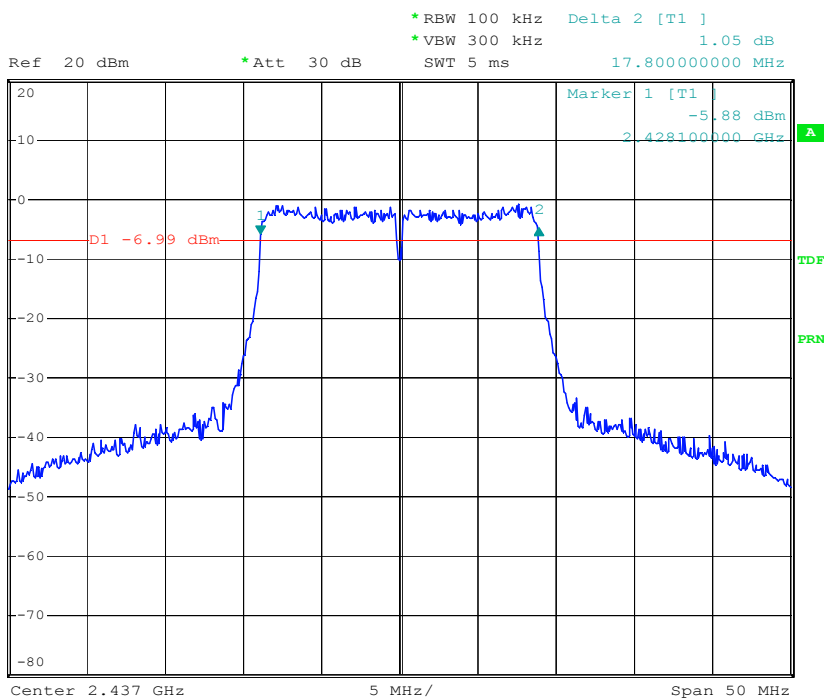


Date: 18.MAR.2014 15:33:49

Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 06



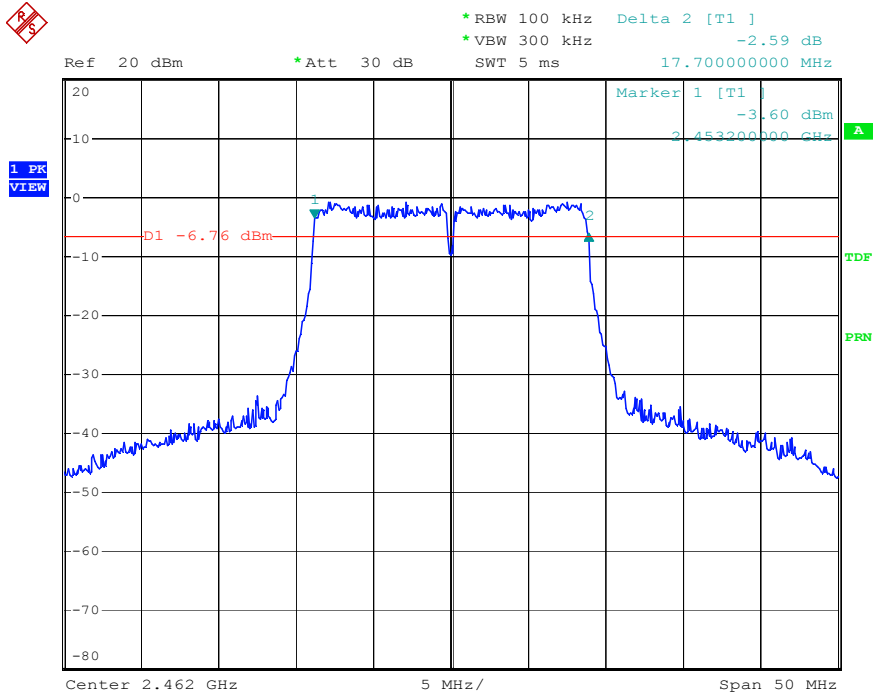
1 PK
VIEW



Date: 18.MAR.2014 15:35:11

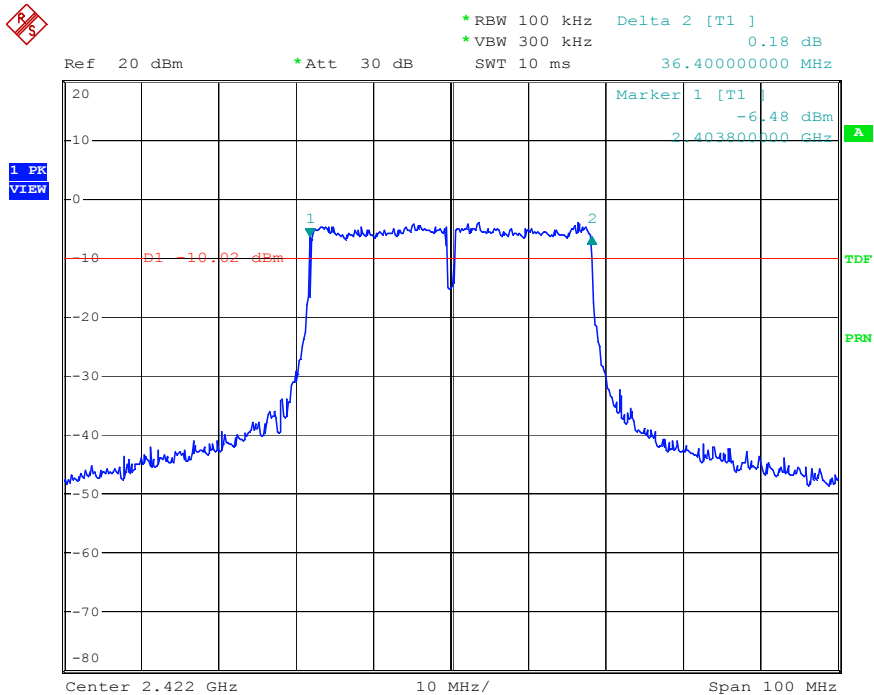


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 15:37:28

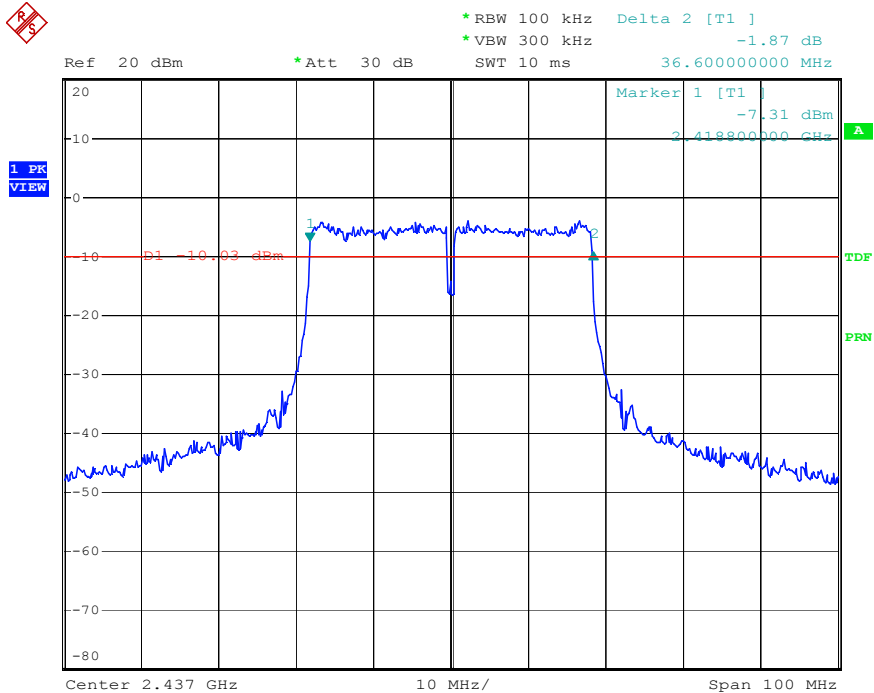
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 03



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

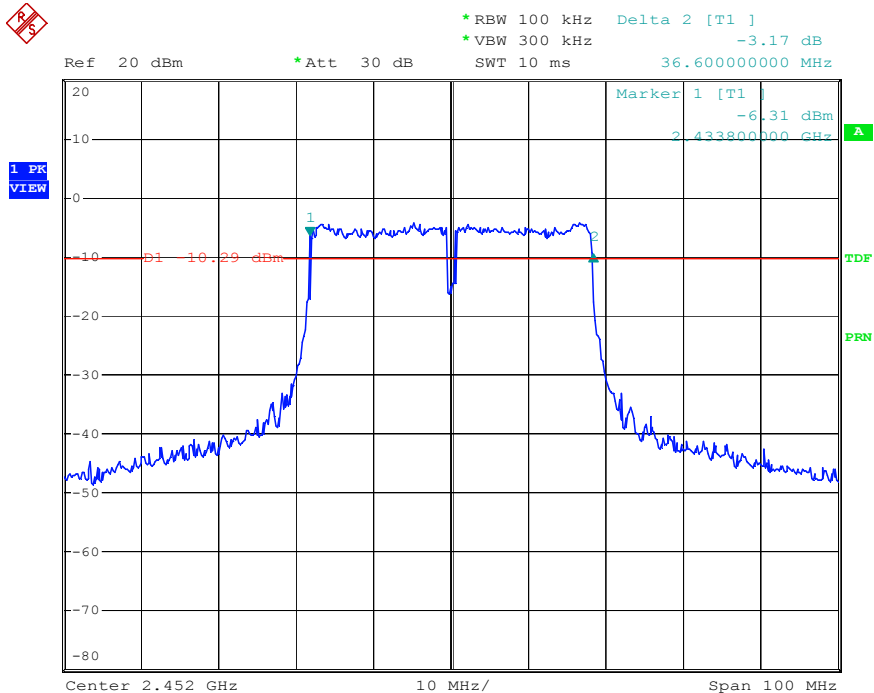


Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 15:41:40

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 09



Date: 18.MAR.2014 15:42:44



9. Maximum Peak and Average Output Power

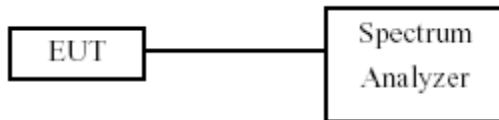
9.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

9.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 1MHz RBW and 3MHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- c. Use the spectrum analyzer's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some analyzers, this may require a manual override to ensure use of peak detector).
- d. Employ trace averaging in power averaging (RMS) mode over a minimum of 100 traces.
- e. Use the spectrum analyzer's band power measurement function with band limits set equal to the EBW band edges.
- f. The peak and average output power was measured and recorded.

9.3 Test Setup Layout





9.4 Test Result and Data

Test Date: Mar. 18, 2014

Temperature: 22°C

Atmospheric pressure: 1020 hPa

Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output(mW)	
			ANT R	ANT L	ANT R	ANT L
802.11b (11Mbps)	01	2412	23.58	23.68	228.00	233.30
	06	2437	23.60	23.82	229.10	241.00
	11	2462	23.68	24.08	233.30	255.90
802.11g (6Mbps)	01	2412	22.91	23.20	195.40	208.90
	06	2437	22.65	23.11	184.10	204.60
	11	2462	22.86	23.23	193.20	210.40

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output (mW)
			ANT R	ANT L	ANT R+L	ANT R+L
802.11n HT20 (6.5Mbps)	01	2412	21.50	21.39	24.44	278.03
	06	2437	21.75	21.44	24.61	288.94
	11	2462	21.26	21.01	24.15	259.84
802.11n HT40 (13.5Mbps)	03	2422	21.06	21.31	24.20	262.85
	06	2437	21.08	21.36	24.23	265.01
	09	2452	21.10	21.26	24.19	262.48



Test Date: Mar. 18, 2014

Temperature: 22°C

Atmospheric pressure: 1020 hPa

Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Average Power Output (dBm)		Average Power Output (mW)	
			ANT R	ANT L	ANT R	ANT L
802.11b (11Mbps)	01	2412	19.71	19.71	93.50	93.50
	06	2437	19.78	19.86	95.10	96.80
	11	2462	19.91	20.08	97.90	101.90
802.11g (6Mbps)	01	2412	17.01	17.10	50.20	51.30
	06	2437	16.88	17.13	48.80	51.60
	11	2462	17.04	17.19	50.60	52.40

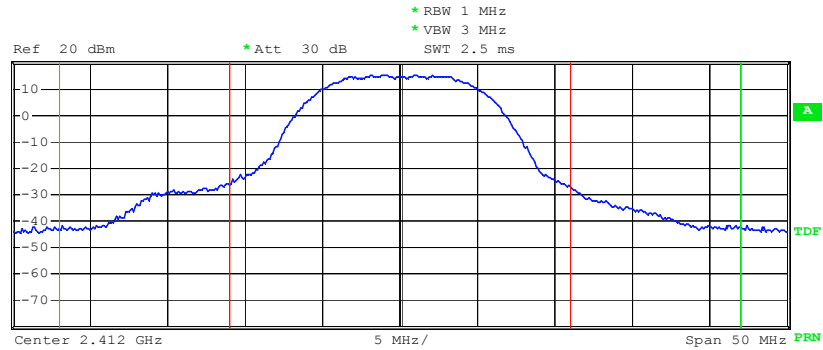
Modulation Standard	Channel	Frequency (MHz)	Average Power Output (dBm)			Average Power Output (mW)
			ANT R	ANT L	ANT R+L	ANT R+L
802.11n HT20 (6.5Mbps)	01	2412	14.89	14.92	17.92	61.88
	06	2437	14.96	14.75	17.87	61.19
	11	2462	15.01	15.27	18.15	65.35
802.11n HT40 (13.5Mbps)	03	2422	15.06	14.59	17.84	60.84
	06	2437	15.03	14.97	18.01	63.25
	09	2452	14.64	15.00	17.83	60.73



Peak Output Power

Modulation Standard: 802.11b (11Mbps), ANT R

Channel: 01

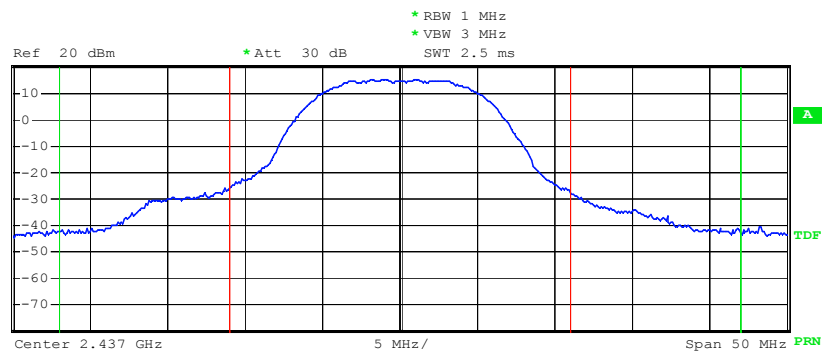


Tx Channel		Bandwidth	22 MHz	Power	23.58 dBm
Adjacent Channel		Bandwidth	11 MHz	Lower	-45.06 dB
		Spacing	16.5 MHz	Upper	-48.82 dB
Alternate Channel		Bandwidth	11 MHz	Lower	----
		Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:24:57

Modulation Standard: 802.11b (11Mbps), ANT R

Channel: 06

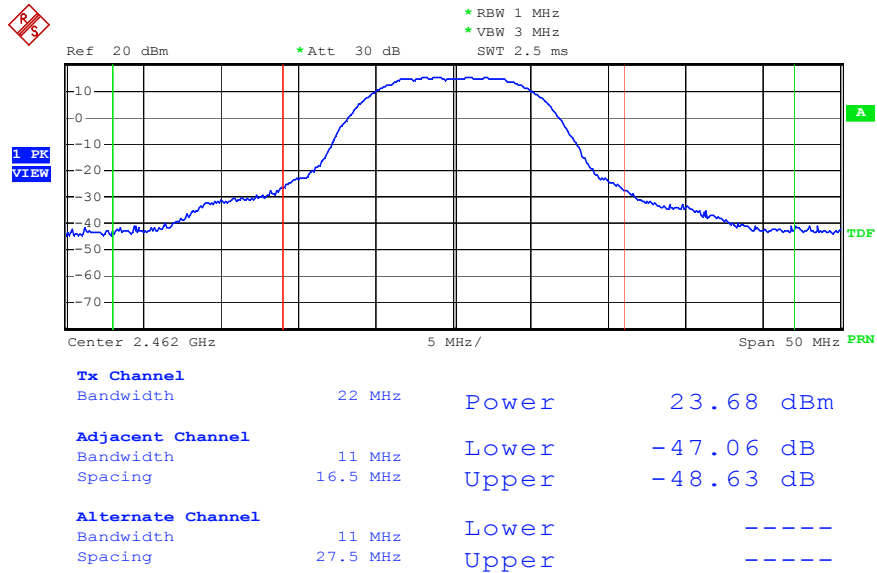


Tx Channel		Bandwidth	22 MHz	Power	23.60 dBm
Adjacent Channel		Bandwidth	11 MHz	Lower	-45.64 dB
		Spacing	16.5 MHz	Upper	-48.75 dB
Alternate Channel		Bandwidth	11 MHz	Lower	----
		Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:25:46

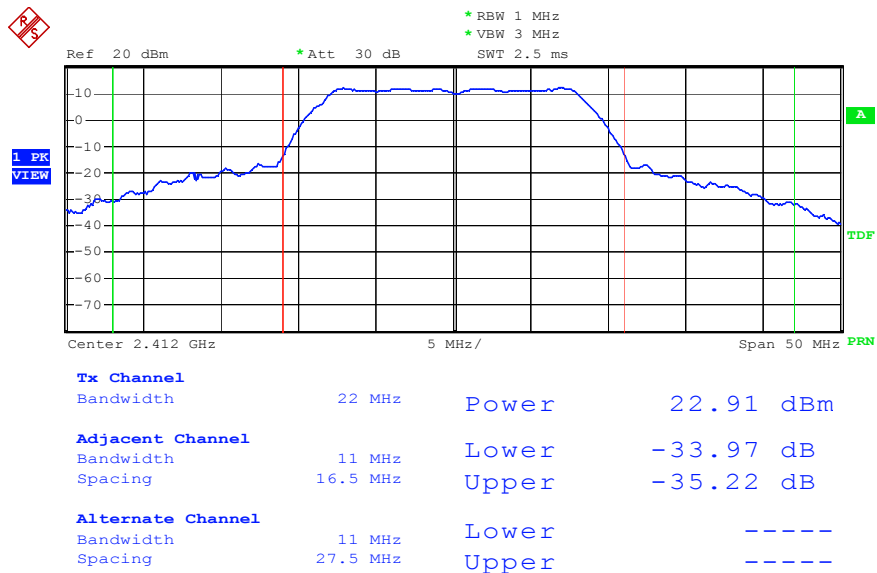


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 11



Date: 18.MAR.2014 14:26:28

Modulation Standard: 802.11g (6Mbps), ANT R
Channel: 01

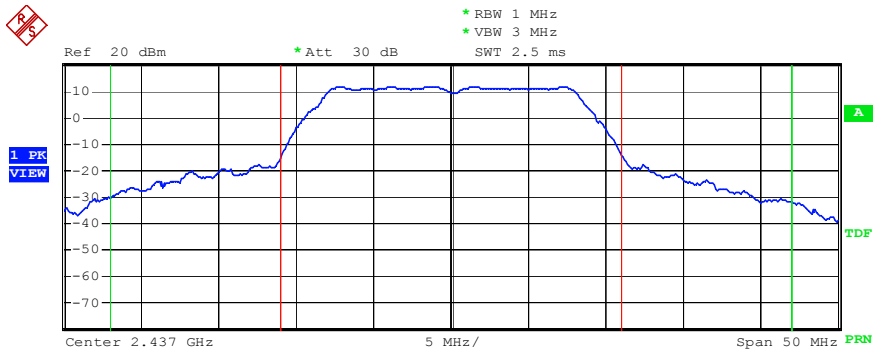


Date: 18.MAR.2014 14:46:53



Modulation Standard: 802.11g (6Mbps), ANT R

Channel: 06

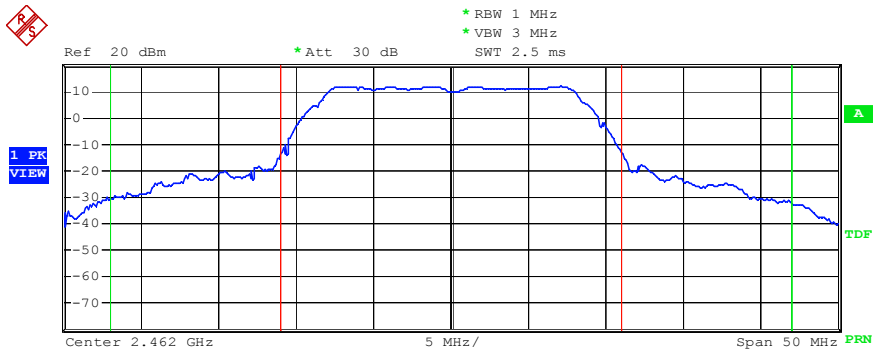


Tx Channel			
Bandwidth	22 MHz	Power	22.65 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-34.60 dB
Spacing	16.5 MHz	Upper	-35.75 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	----
Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:36:24

Modulation Standard: 802.11g (6Mbps), ANT R

Channel: 11

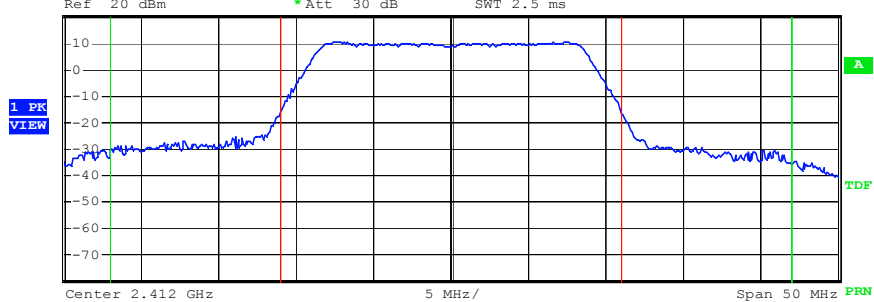


Tx Channel			
Bandwidth	22 MHz	Power	22.86 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-35.48 dB
Spacing	16.5 MHz	Upper	-35.98 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	----
Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:35:24



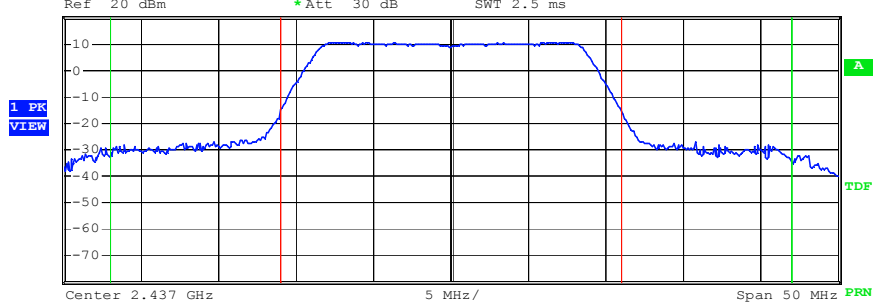
Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 01



Tx Channel			
Bandwidth	22 MHz	Power	21.50 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-38.50 dB
Spacing	16.5 MHz	Upper	-39.74 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	----
Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:06:45

Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 06



Tx Channel			
Bandwidth	22 MHz	Power	21.75 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-38.87 dB
Spacing	16.5 MHz	Upper	-39.04 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	----
Spacing	27.5 MHz	Upper	----

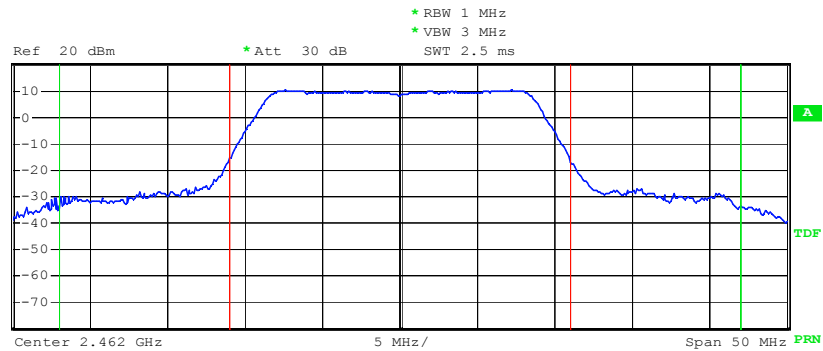
Date: 18.MAR.2014 14:07:37



Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 11



1 PR
VIEW



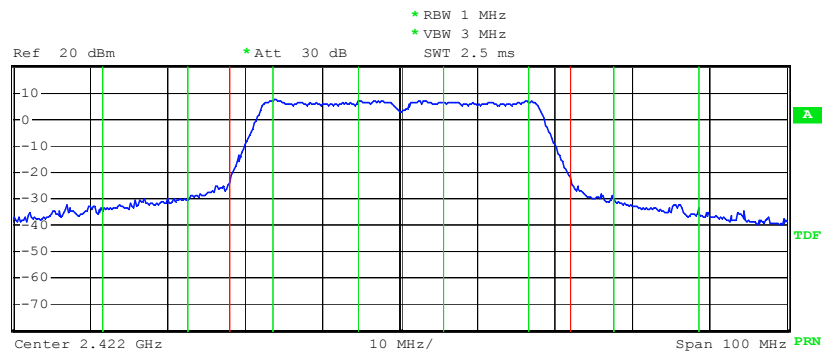
Tx Channel			
Bandwidth	22 MHz	Power	21.26 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-38.85 dB
Spacing	16.5 MHz	Upper	-38.56 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	----
Spacing	27.5 MHz	Upper	----

Date: 18.MAR.2014 14:08:46

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 03



1 PR
VIEW



Tx Channel			
Bandwidth	44 MHz	Power	21.06 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.59 dB
Spacing	16.5 MHz	Upper	-4.63 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.17 dB
Spacing	27.5 MHz	Upper	-12.89 dB

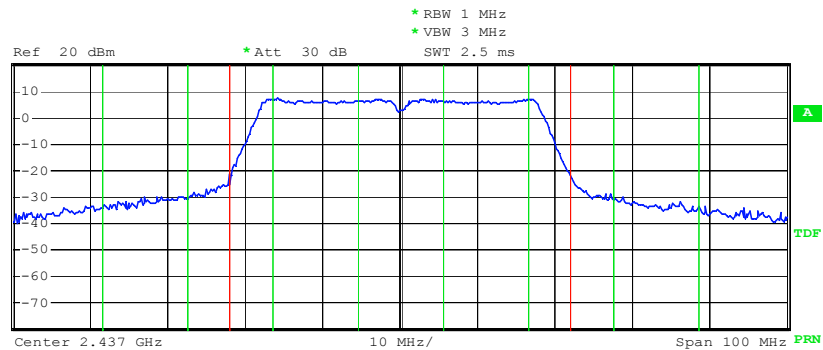
Date: 18.MAR.2014 14:21:35



Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 06



1 PK
VIEW



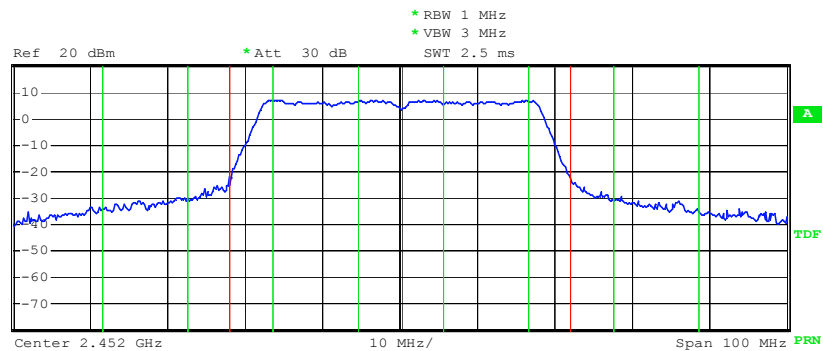
Tx Channel			
Bandwidth	44 MHz	Power	21.08 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.53 dB
Spacing	16.5 MHz	Upper	-4.63 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.12 dB
Spacing	27.5 MHz	Upper	-12.78 dB

Date: 18.MAR.2014 14:20:28

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 09



1 PK
VIEW

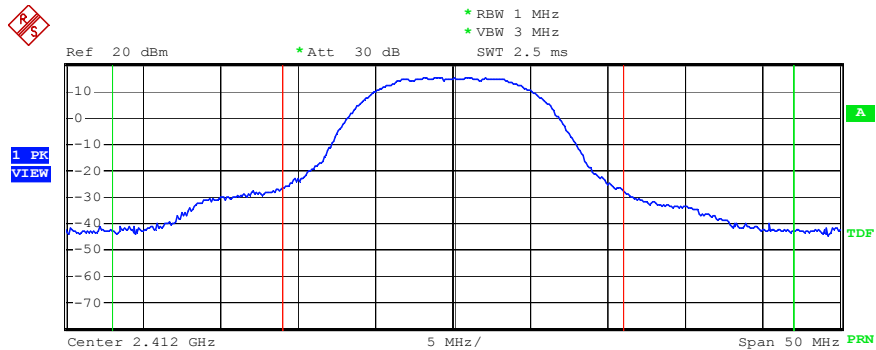


Tx Channel			
Bandwidth	44 MHz	Power	21.10 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.65 dB
Spacing	16.5 MHz	Upper	-4.58 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.33 dB
Spacing	27.5 MHz	Upper	-12.87 dB

Date: 18.MAR.2014 14:18:25



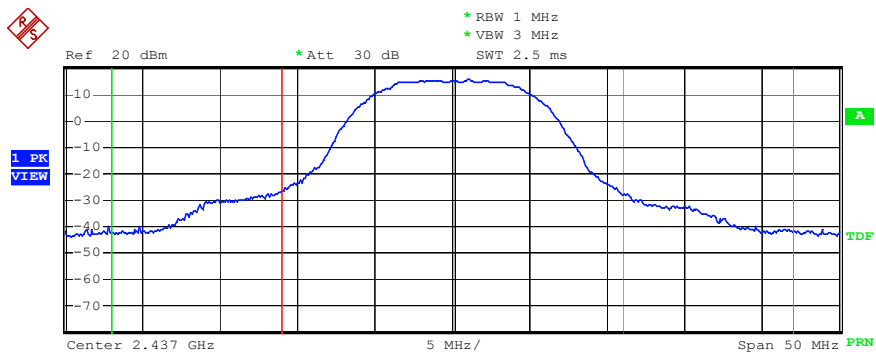
Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 01



Tx Channel			
Bandwidth	22 MHz	Power	23.68 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-45.84 dB
Spacing	16.5 MHz	Upper	-48.57 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 18.MAR.2014 14:29:41

Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 06

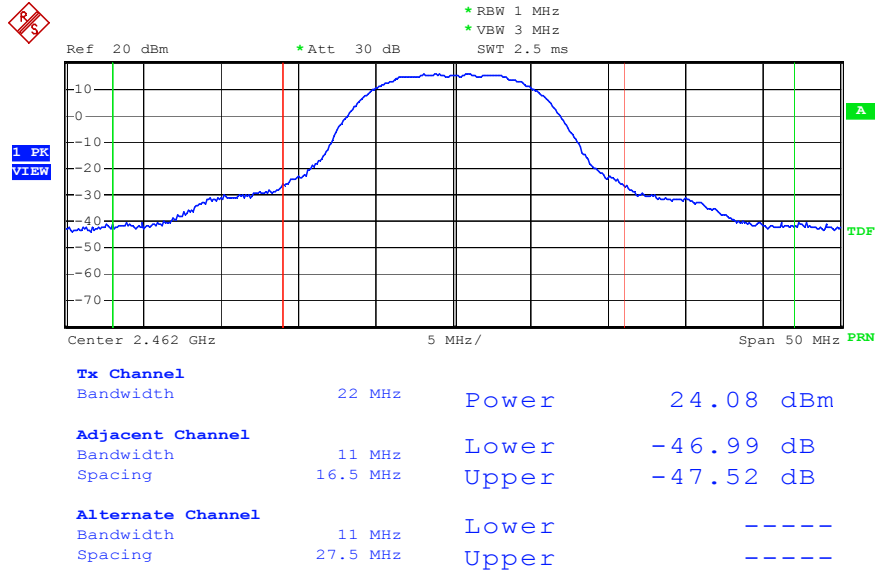


Tx Channel			
Bandwidth	22 MHz	Power	23.82 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-46.19 dB
Spacing	16.5 MHz	Upper	-47.93 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 18.MAR.2014 14:29:06

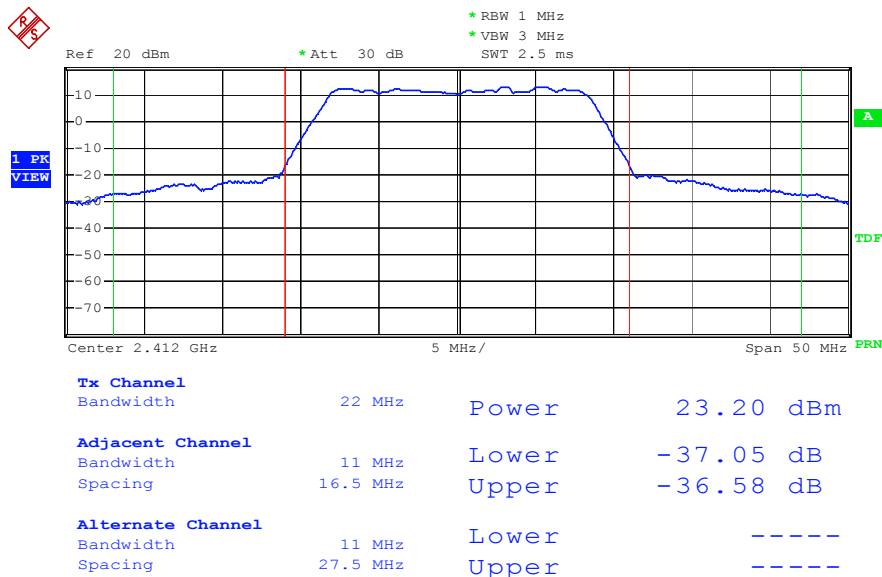


Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 14:28:16

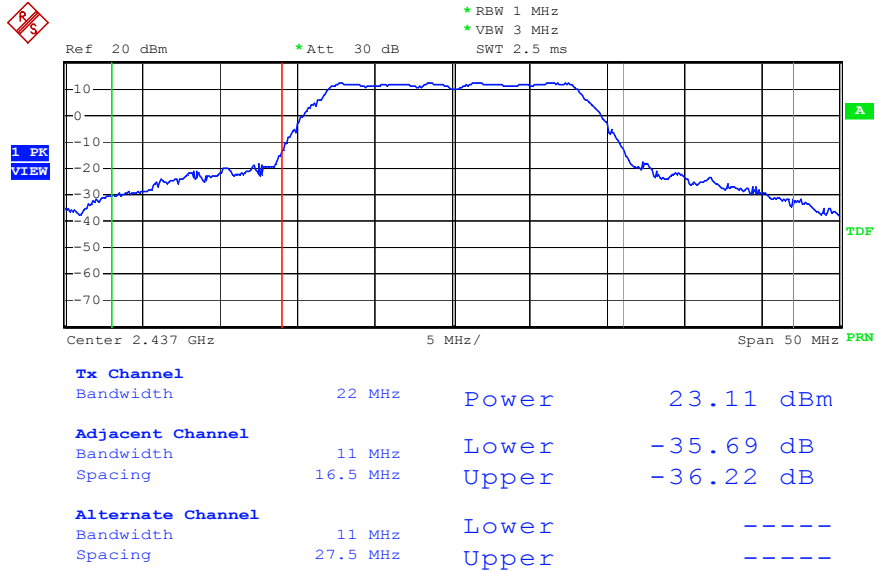
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 14:32:18

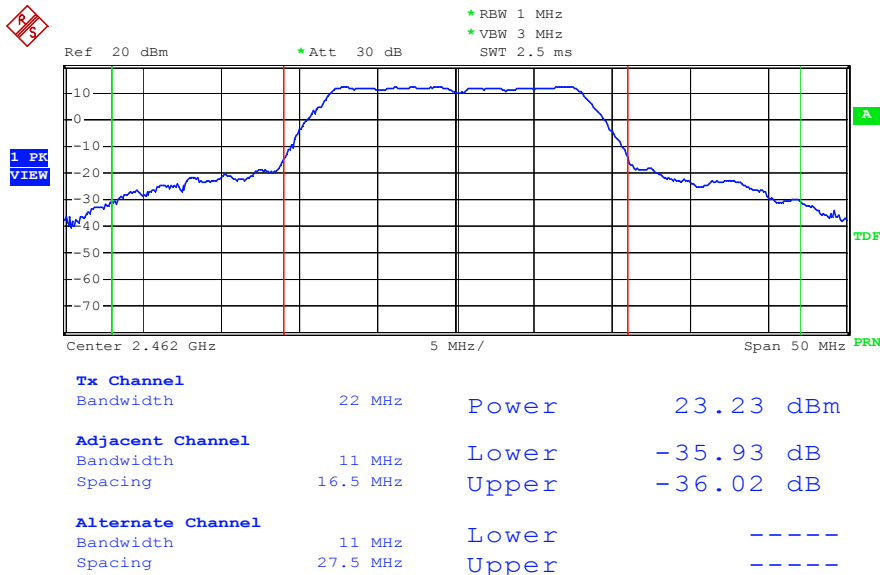


Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 14:33:06

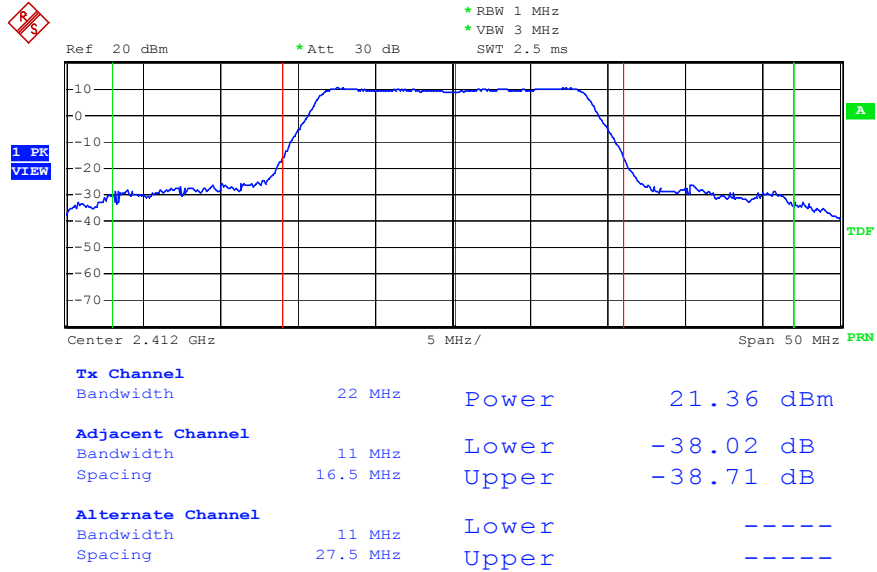
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 14:34:04

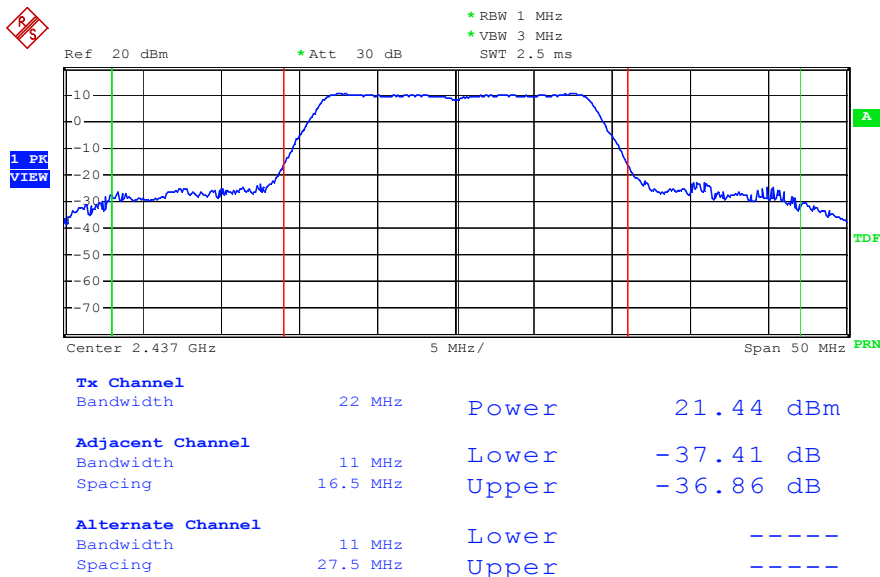


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 01



Date: 27.MAR.2014 10:28:52

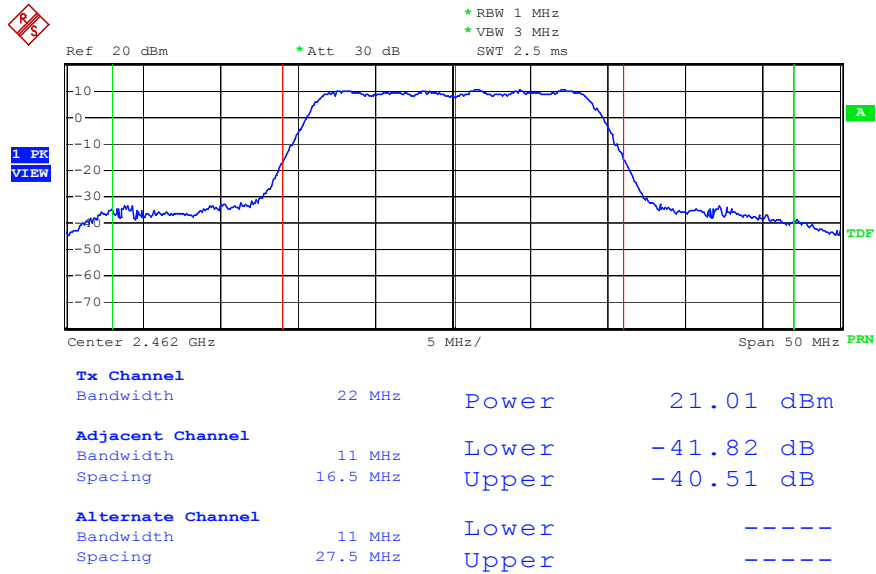
Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 14:12:03

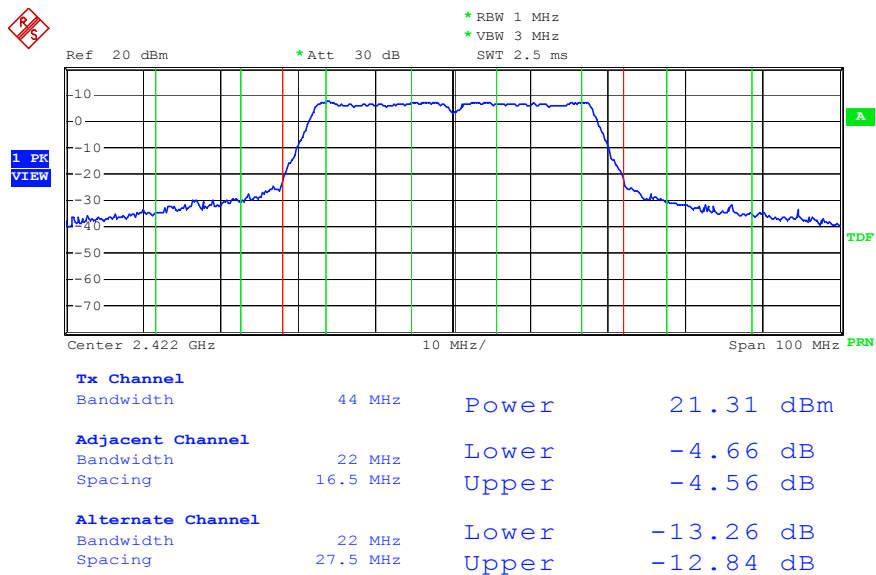


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 14:12:54

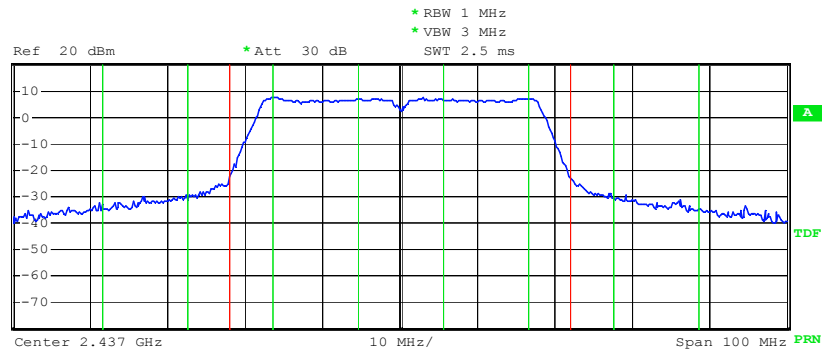
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 03



Date: 18.MAR.2014 14:14:30



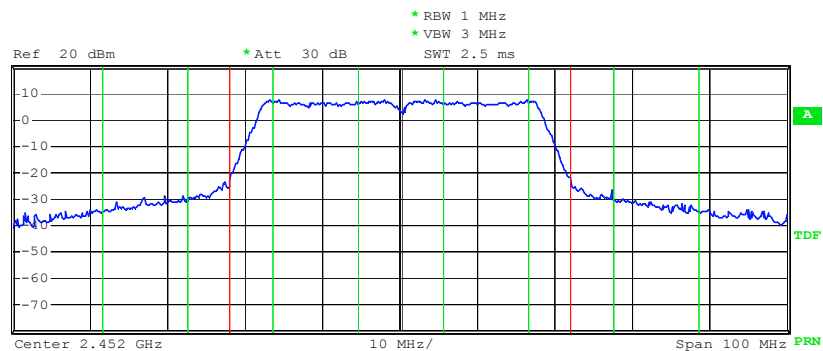
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 06



Tx Channel			
Bandwidth	44 MHz	Power	21.36 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.59 dB
Spacing	16.5 MHz	Upper	-4.54 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.16 dB
Spacing	27.5 MHz	Upper	-12.82 dB

Date: 18.MAR.2014 14:16:29

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 09



Tx Channel			
Bandwidth	44 MHz	Power	21.26 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.69 dB
Spacing	16.5 MHz	Upper	-4.56 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.19 dB
Spacing	27.5 MHz	Upper	-12.72 dB

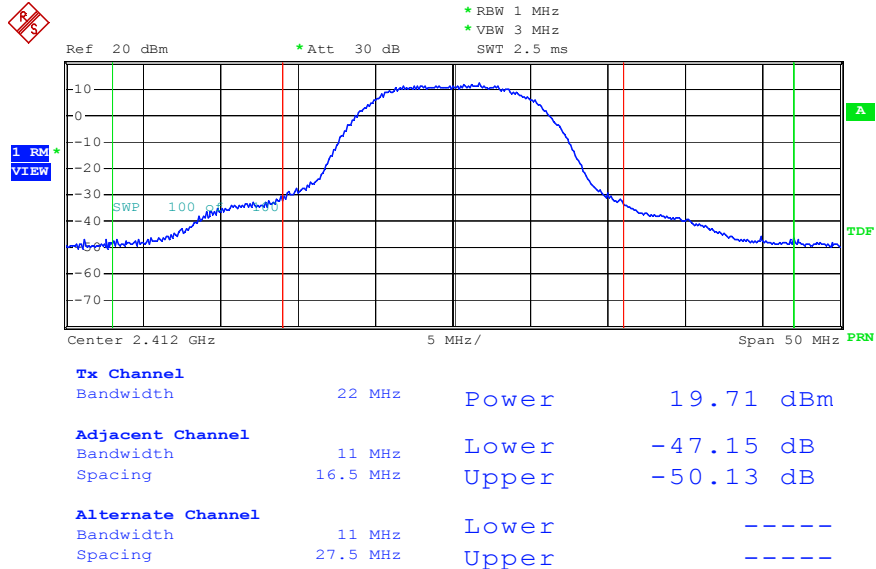
Date: 27.MAR.2014 10:38:46



Average Output Power

Modulation Standard: 802.11b (11Mbps), ANT R

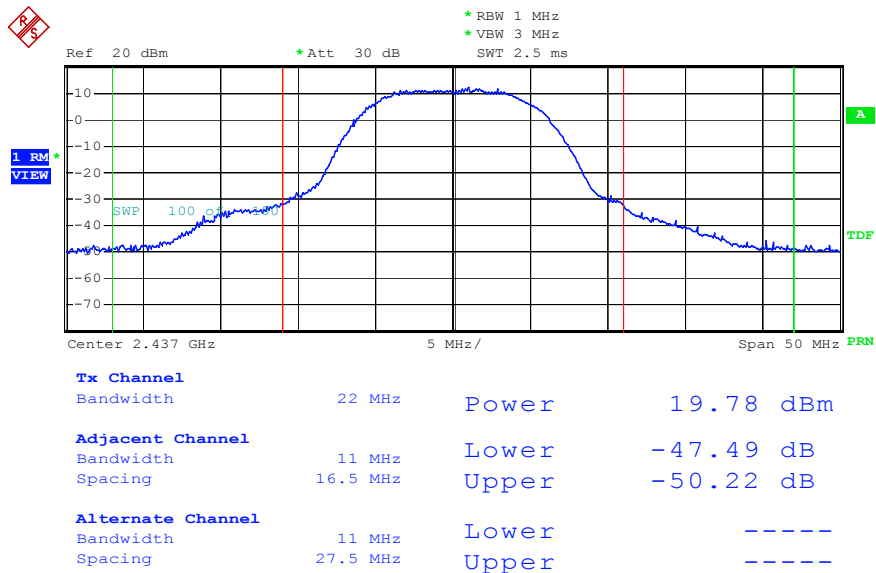
Channel: 01



Date: 18.MAR.2014 13:39:46

Modulation Standard: 802.11b (11Mbps), ANT R

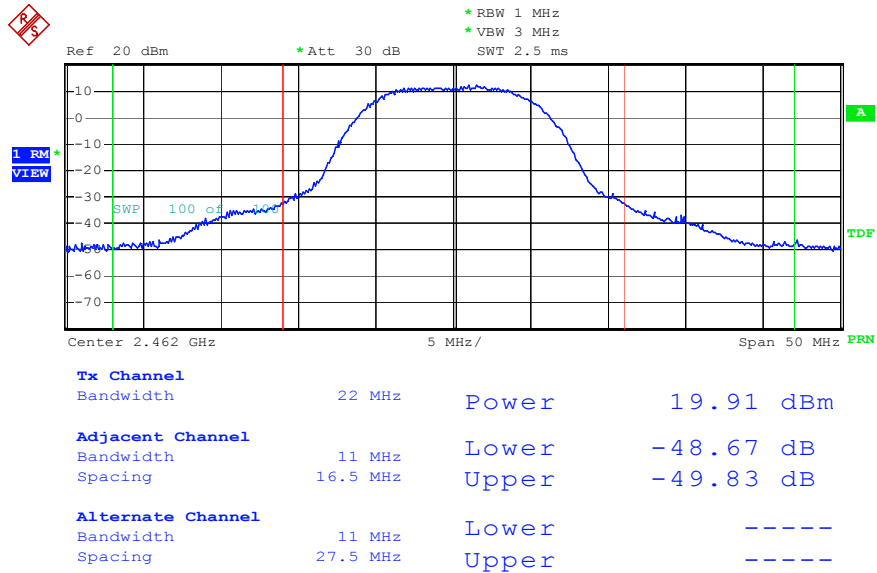
Channel: 06



Date: 17.MAR.2014 17:52:29

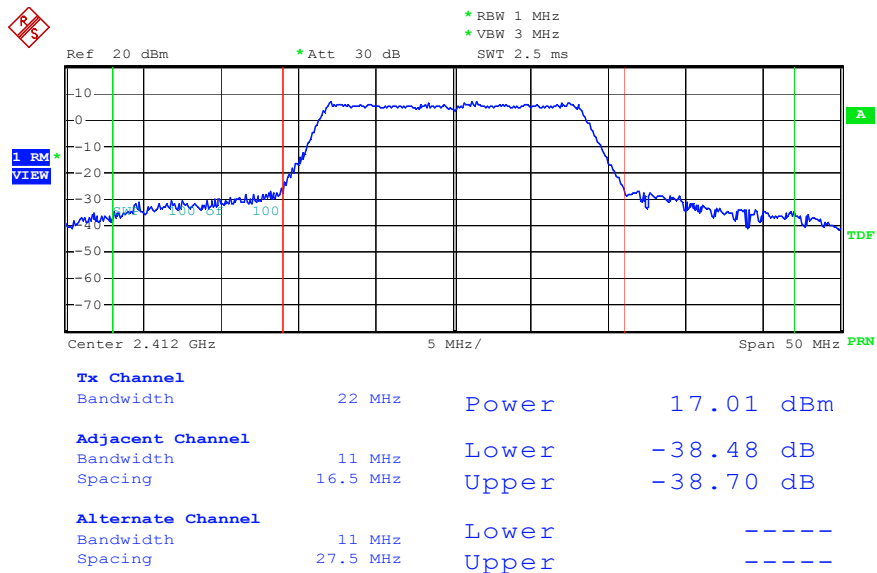


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 11



Date: 17.MAR.2014 17:54:08

Modulation Standard: 802.11g (6Mbps), ANT R
Channel: 01

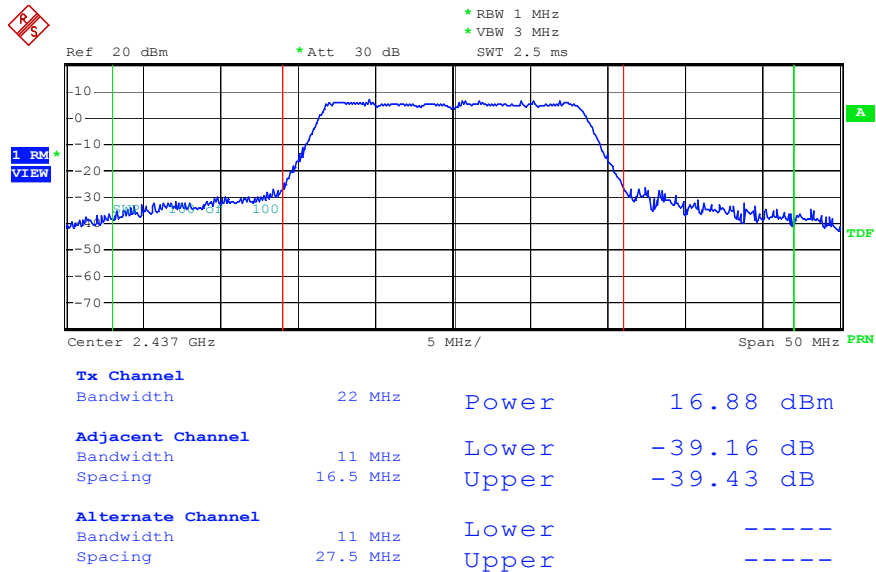


Date: 17.MAR.2014 17:56:50



Modulation Standard: 802.11g (6Mbps), ANT R

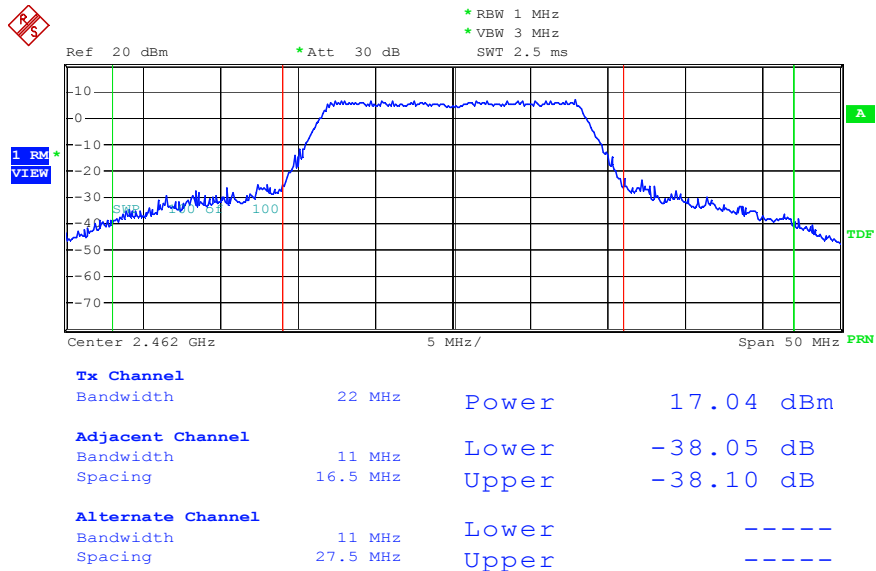
Channel: 06



Date: 17.MAR.2014 17:58:01

Modulation Standard: 802.11g (6Mbps), ANT R

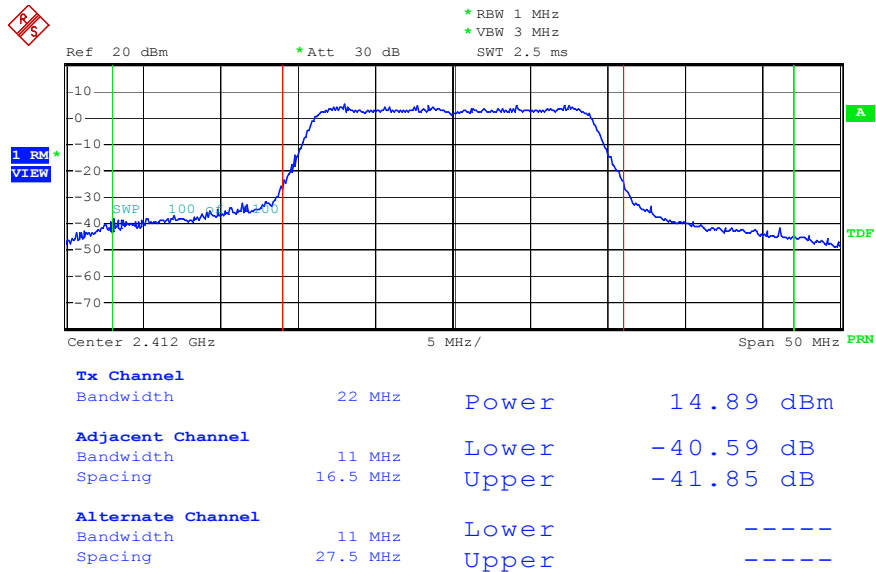
Channel: 11



Date: 17.MAR.2014 18:11:32

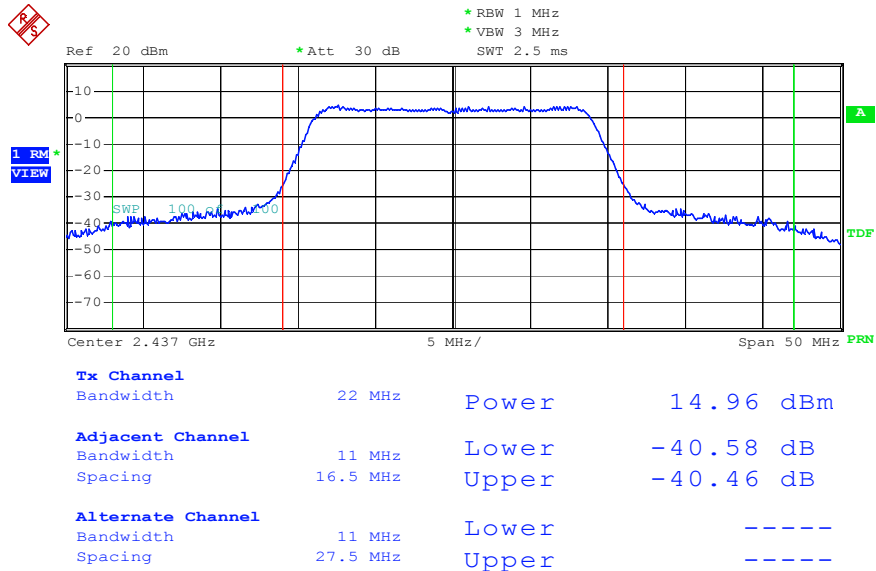


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 01

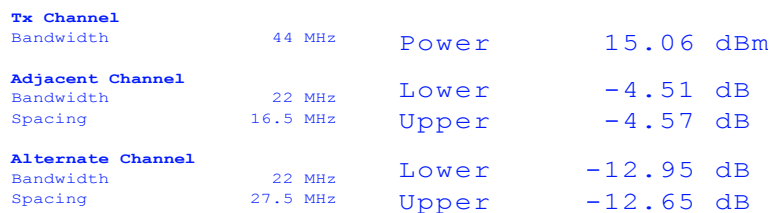
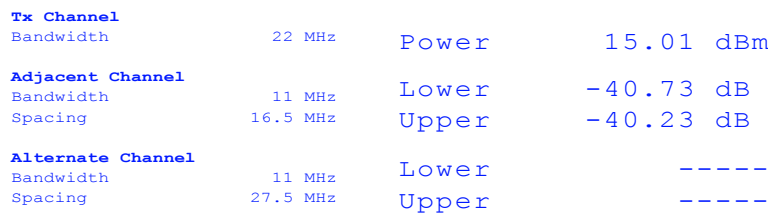
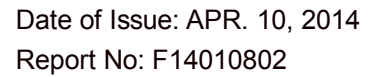


Date: 18.MAR.2014 13:18:02

Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 06

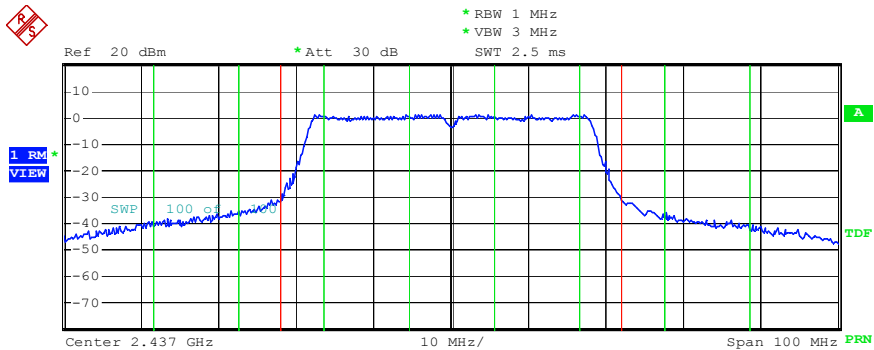


Date: 18.MAR.2014 13:22:31





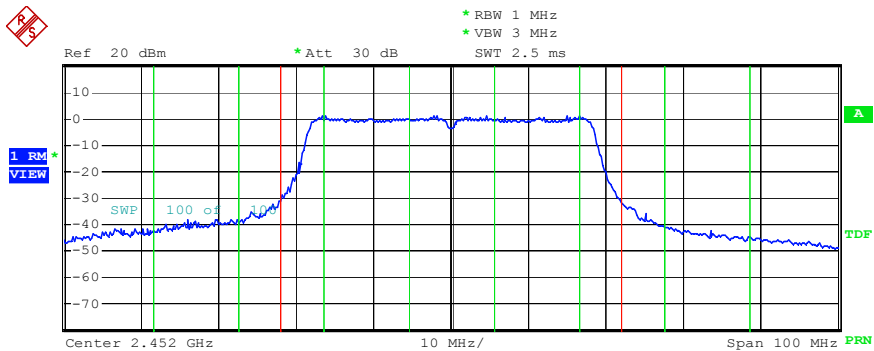
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 06



Tx Channel			
Bandwidth	44 MHz	Power	15.03 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.58 dB
Spacing	16.5 MHz	Upper	-4.57 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-12.72 dB
Spacing	27.5 MHz	Upper	-12.48 dB

Date: 18.MAR.2014 13:27:36

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 09

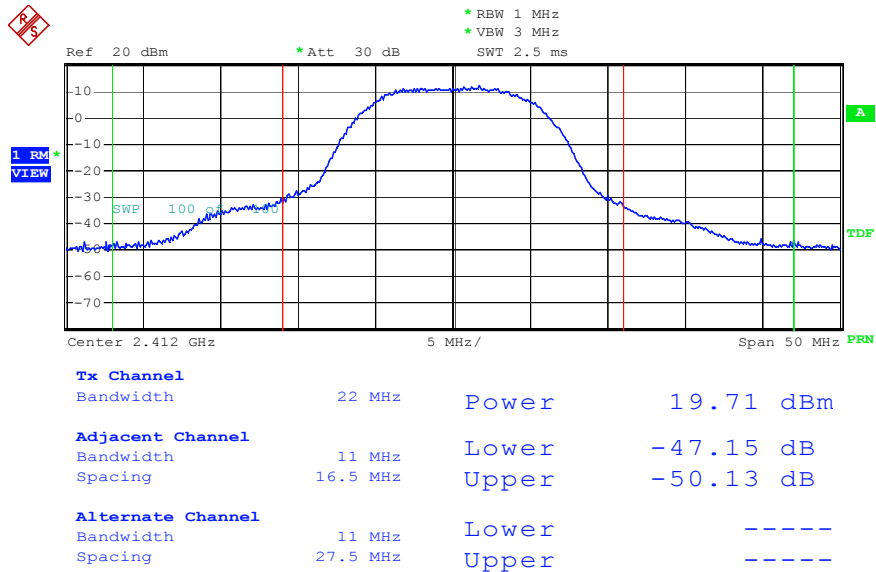


Tx Channel			
Bandwidth	44 MHz	Power	14.64 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.58 dB
Spacing	16.5 MHz	Upper	-4.53 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-12.86 dB
Spacing	27.5 MHz	Upper	-12.35 dB

Date: 18.MAR.2014 13:29:18

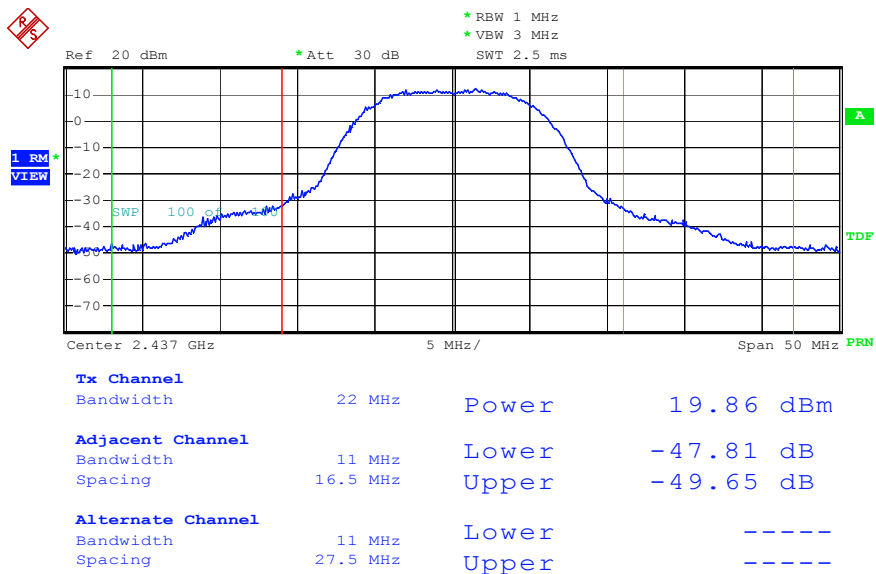


Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 13:39:46

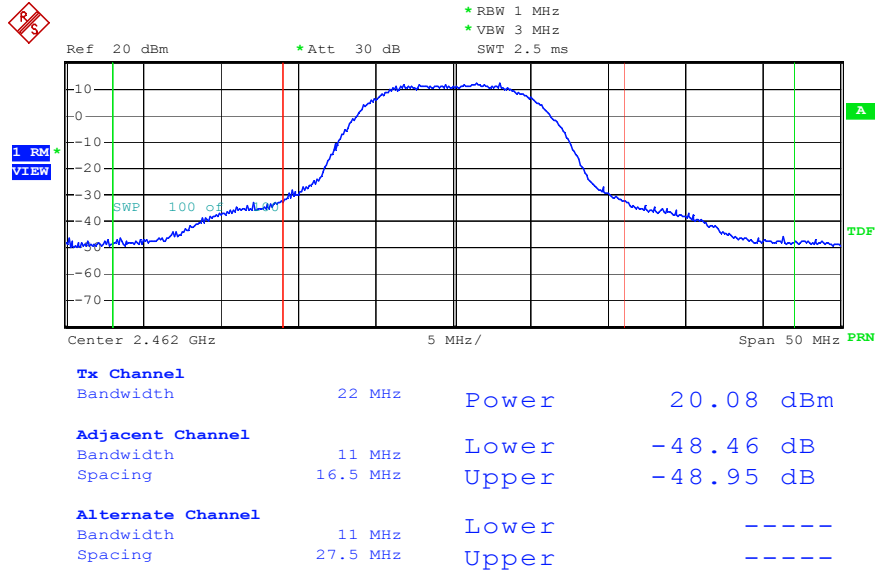
Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 13:40:52

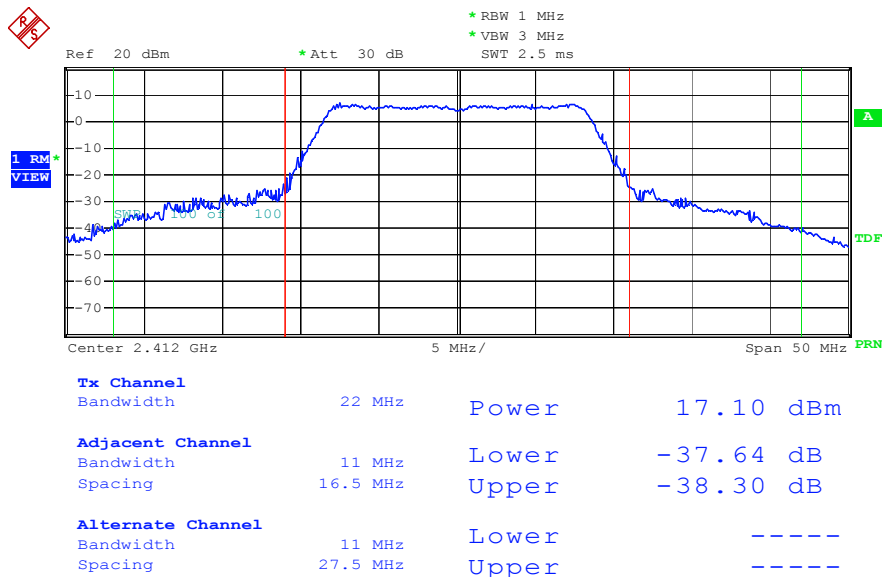


Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 13:42:19

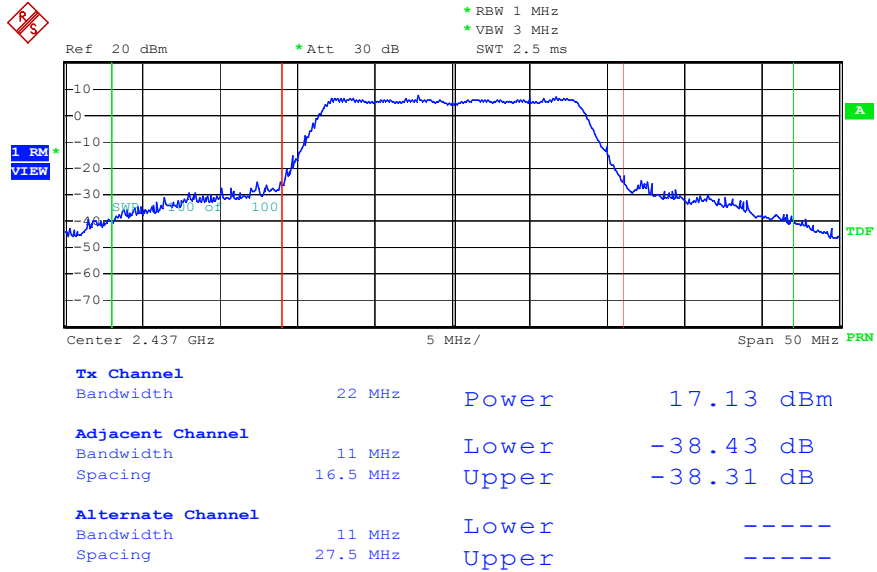
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 13:47:31

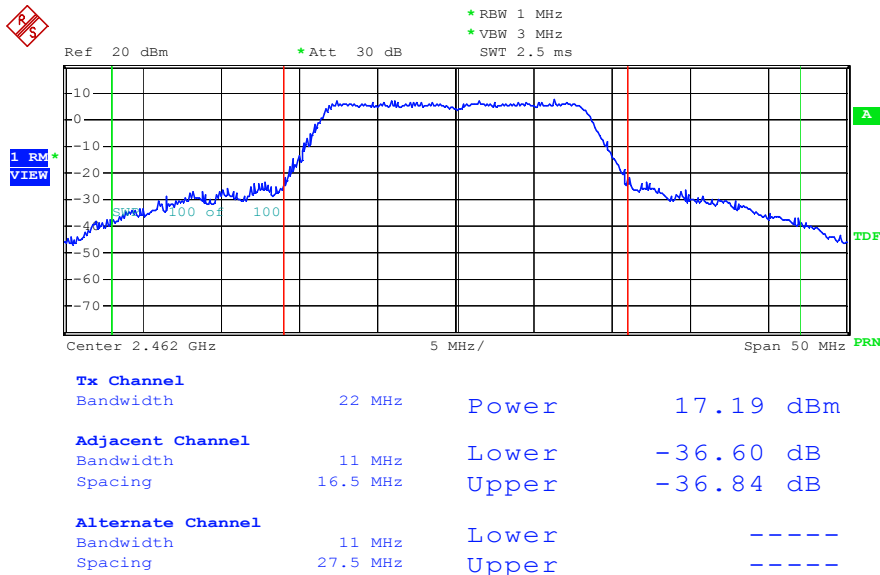


Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 13:49:19

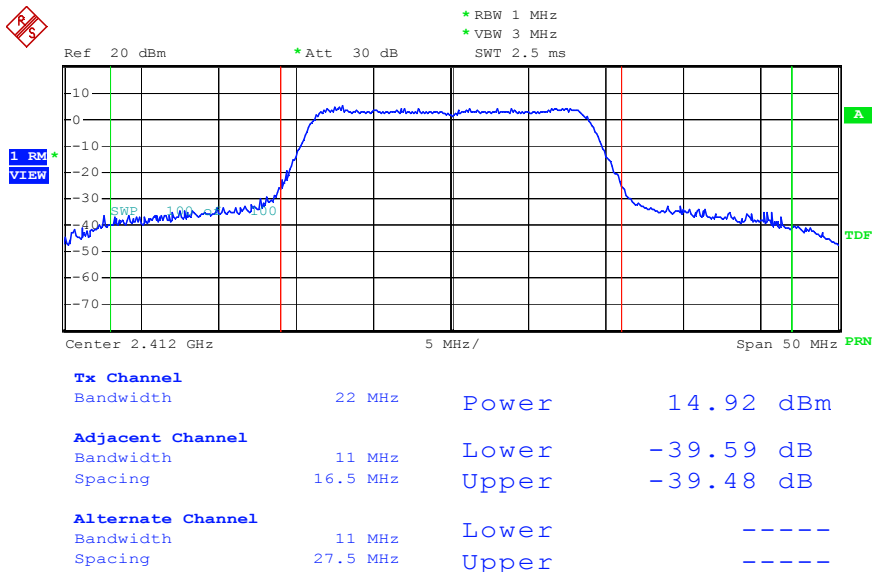
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 11



Date: 27.MAR.2014 10:42:11

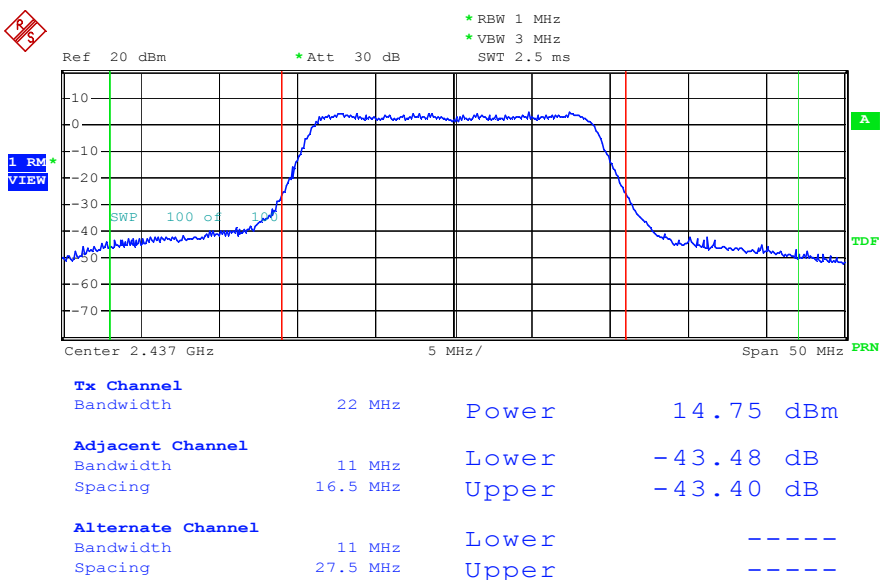


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 13:53:44

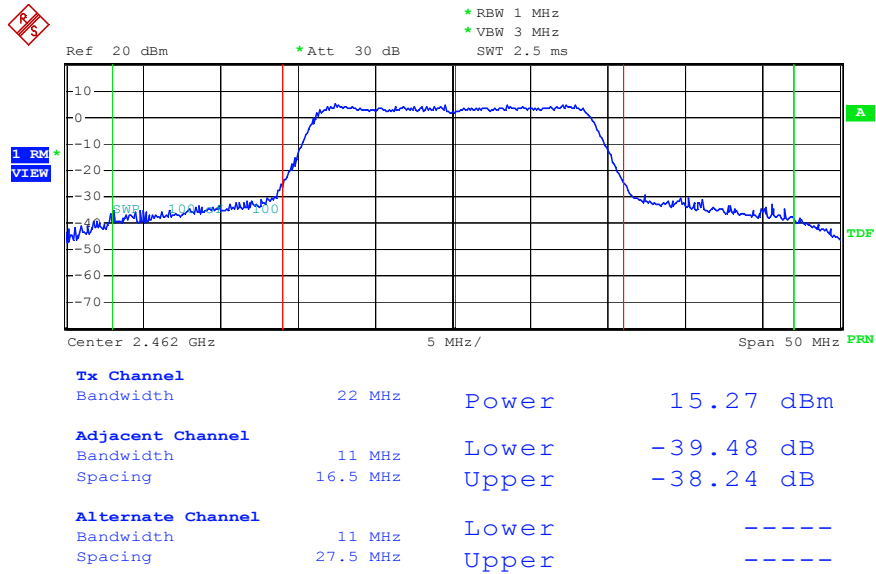
Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 13:56:04

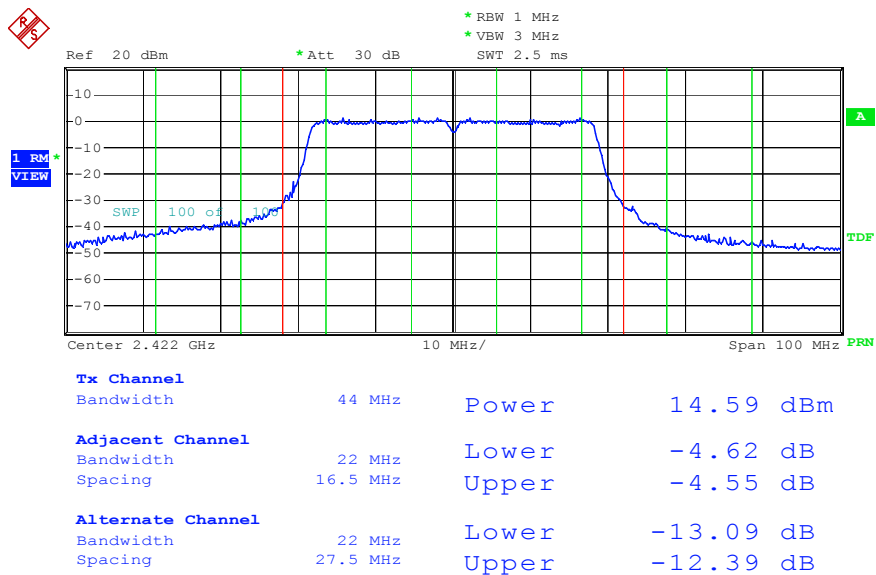


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 13:57:37

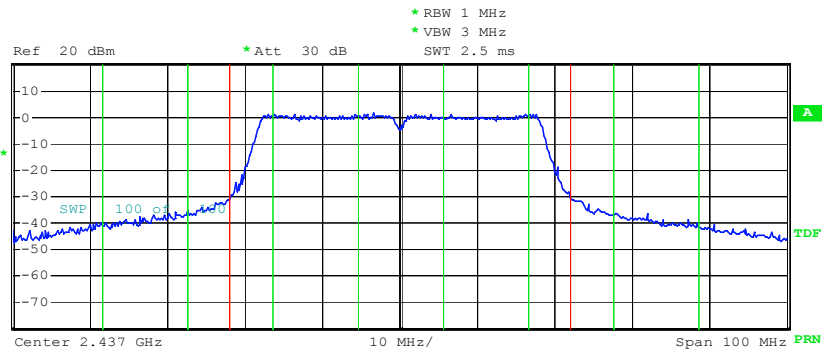
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 03



Date: 18.MAR.2014 13:33:12



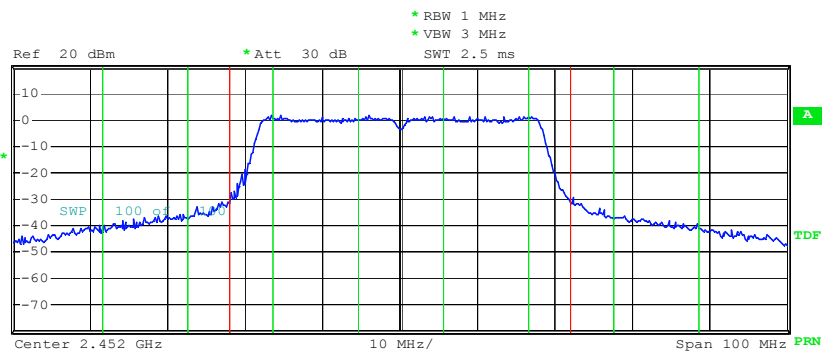
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 06



Tx Channel			
Bandwidth	44 MHz	Power	14.97 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.54 dB
Spacing	16.5 MHz	Upper	-4.53 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-12.95 dB
Spacing	27.5 MHz	Upper	-12.40 dB

Date: 18.MAR.2014 13:34:16

Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 09



Tx Channel			
Bandwidth	44 MHz	Power	15.00 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.59 dB
Spacing	16.5 MHz	Upper	-4.49 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-12.87 dB
Spacing	27.5 MHz	Upper	-12.36 dB

Date: 27.MAR.2014 10:40:05