



10. Power Spectral Density

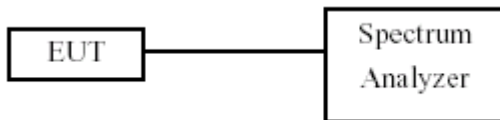
10.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm

10.2 Test Procedures

- g. The transmitter output was connected to spectrum analyzer.
- h. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- i. The power spectral density was measured and recorded.

10.3 Test Setup Layout





10.4 Test Result and Data

Test Date: Mar. 18, 2014

Temperature: 22°C

Atmospheric pressure: 1020 hPa

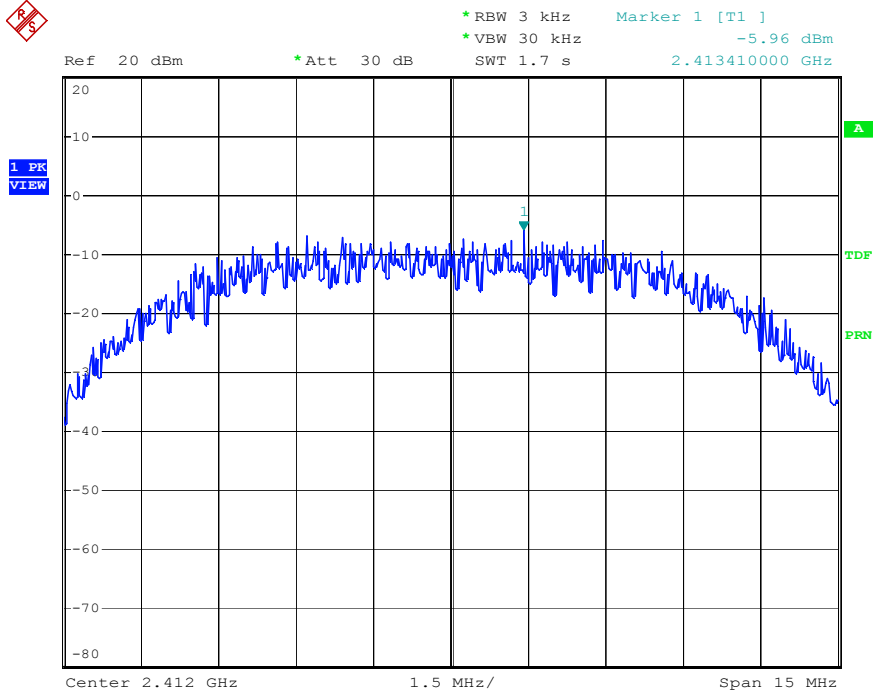
Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)	
			ANT R	ANT L
802.11b (11Mbps)	01	2412	-5.96	-5.70
	06	2437	-5.97	-5.58
	11	2462	-5.80	-5.38
802.11g (6Mbps)	01	2412	-13.03	-13.03
	06	2437	-13.25	-13.06
	11	2462	-13.58	-13.53

Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)		
			ANT R	ANT L	ANT R+L
802.11n HT20 (6.5Mbps)	01	2412	-14.33	-14.50	-11.40
	06	2437	-14.90	-13.98	-11.41
	11	2462	-14.35	-13.76	-11.03
802.11n HT40 (13.5Mbps)	03	2422	-16.57	-16.86	-13.70
	06	2437	-15.80	-17.26	-13.46
	09	2452	-16.03	-16.36	-13.18

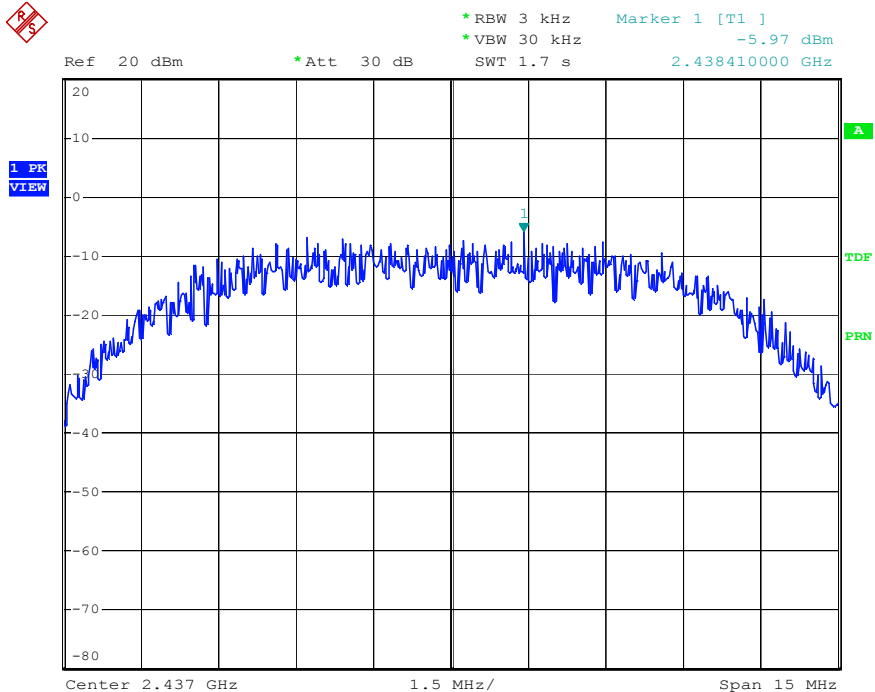


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 01



Date: 18.MAR.2014 16:12:44

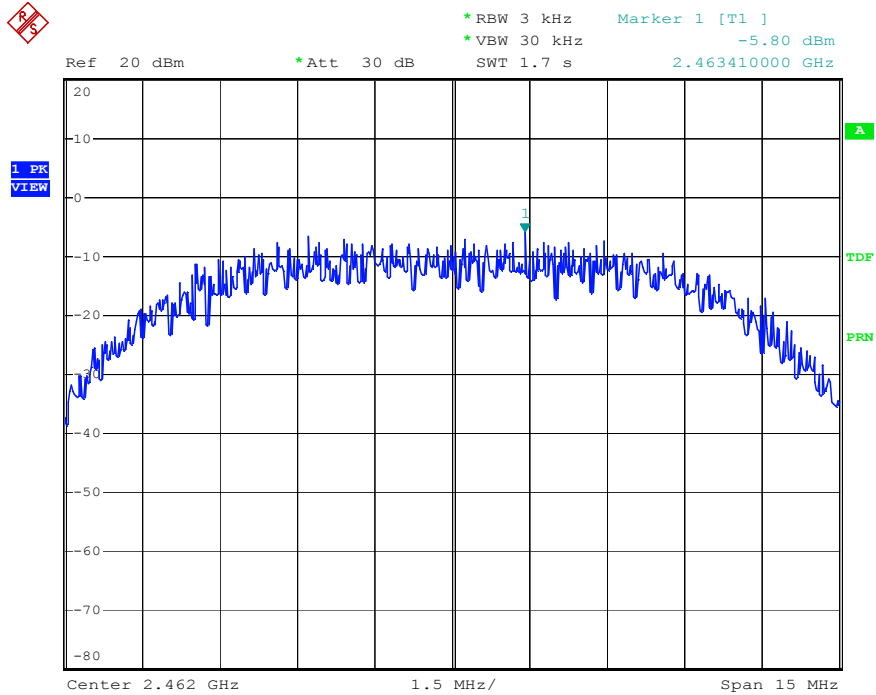
Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 06



Date: 18.MAR.2014 16:15:49

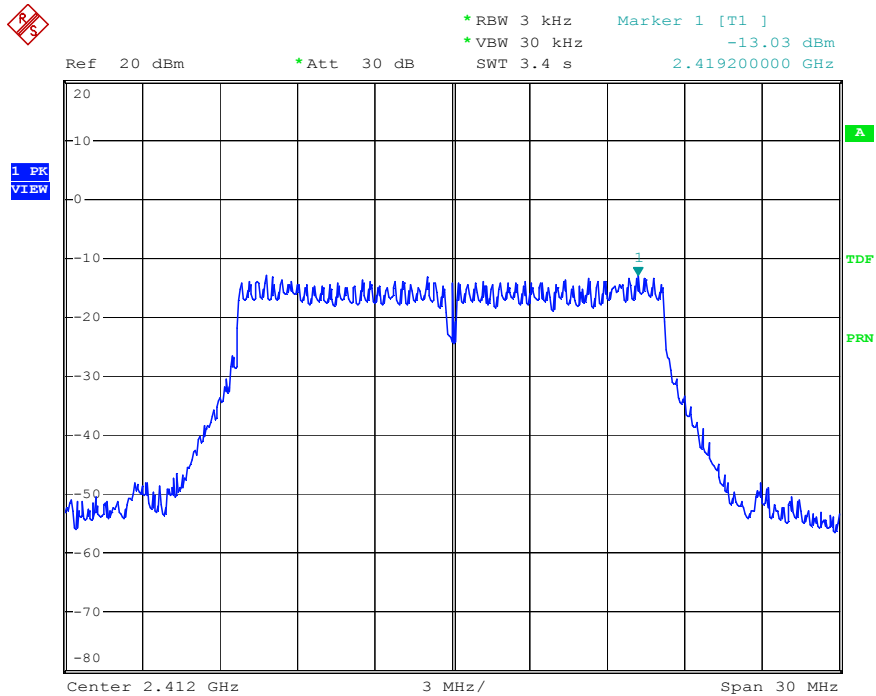


Modulation Standard: 802.11b (11Mbps), ANT R
Channel: 11



Date: 18.MAR.2014 16:16:43

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

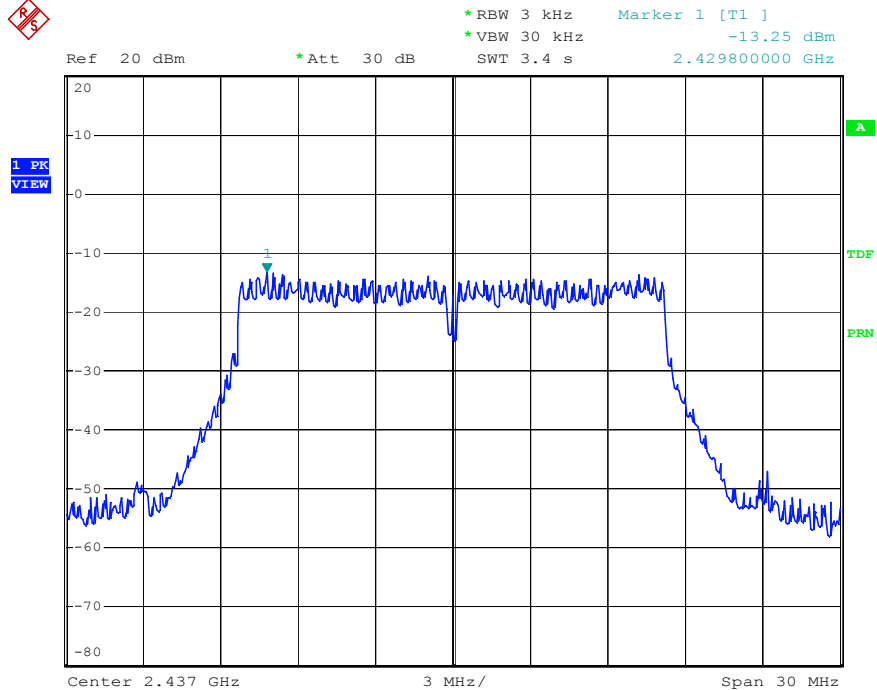


Date: 18.MAR.2014 16:31:05



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

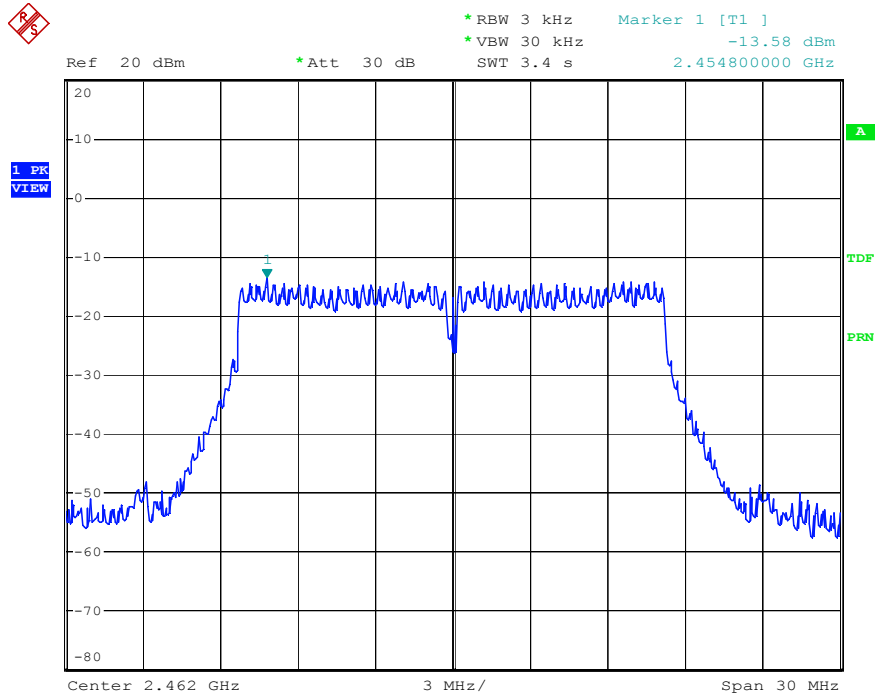
Channel: 06



Date: 18.MAR.2014 16:35:50

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

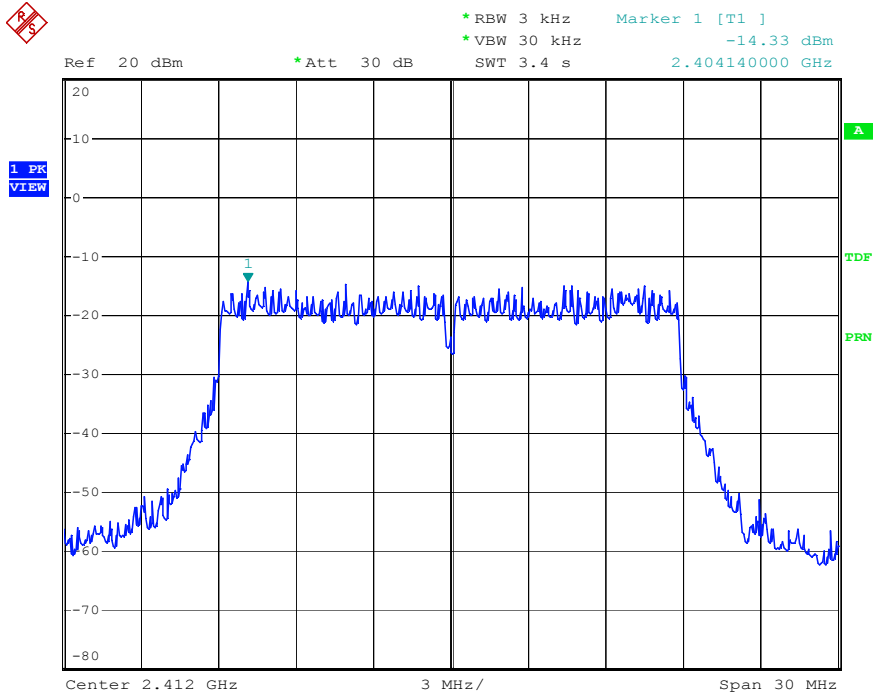
Channel: 11



Date: 18.MAR.2014 16:36:38

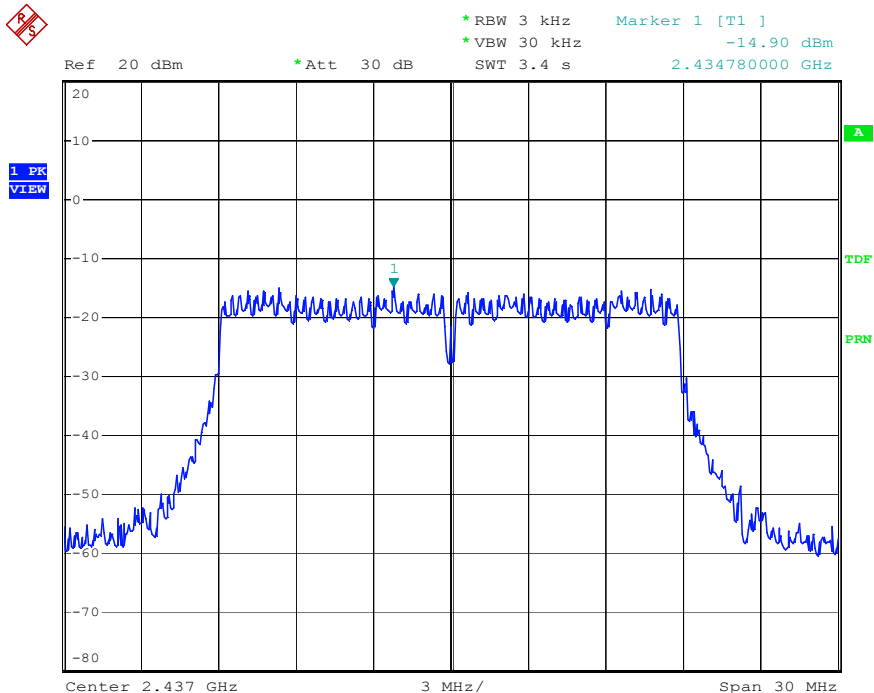


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 01



Date: 18.MAR.2014 16:40:15

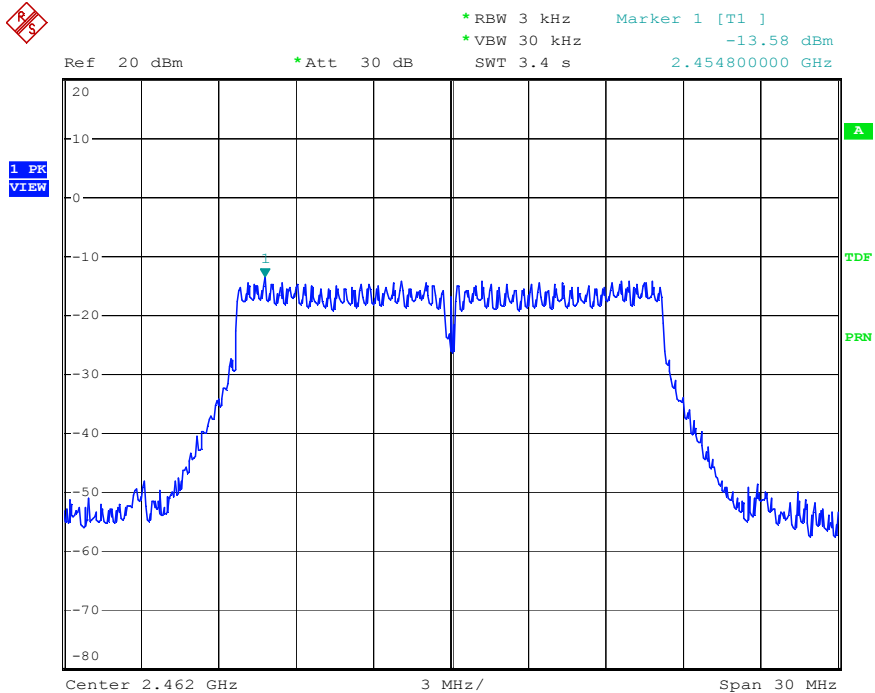
Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 06



Date: 18.MAR.2014 16:41:12

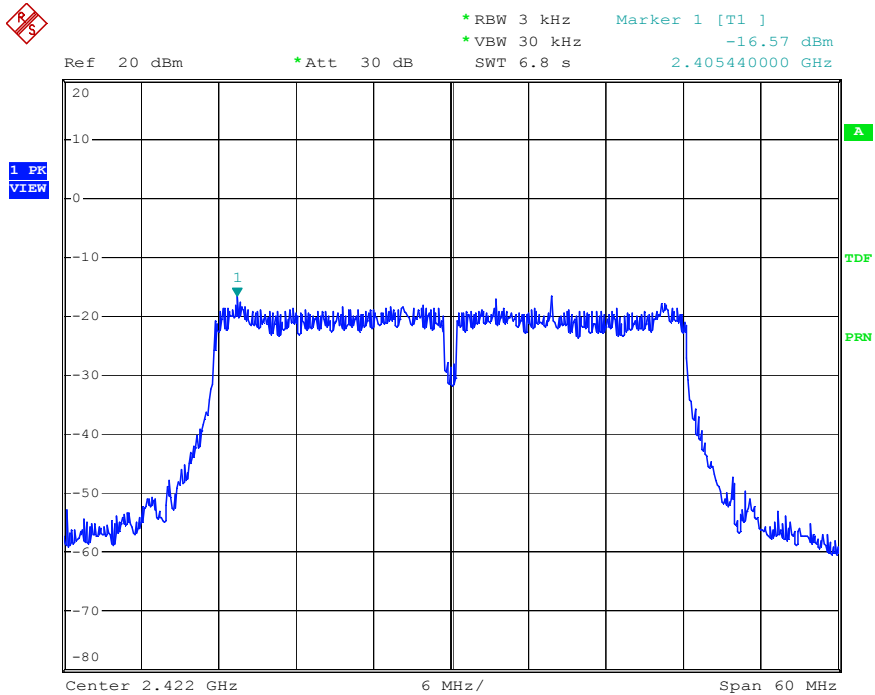


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT R
Channel: 11



Date: 18.MAR.2014 16:36:38

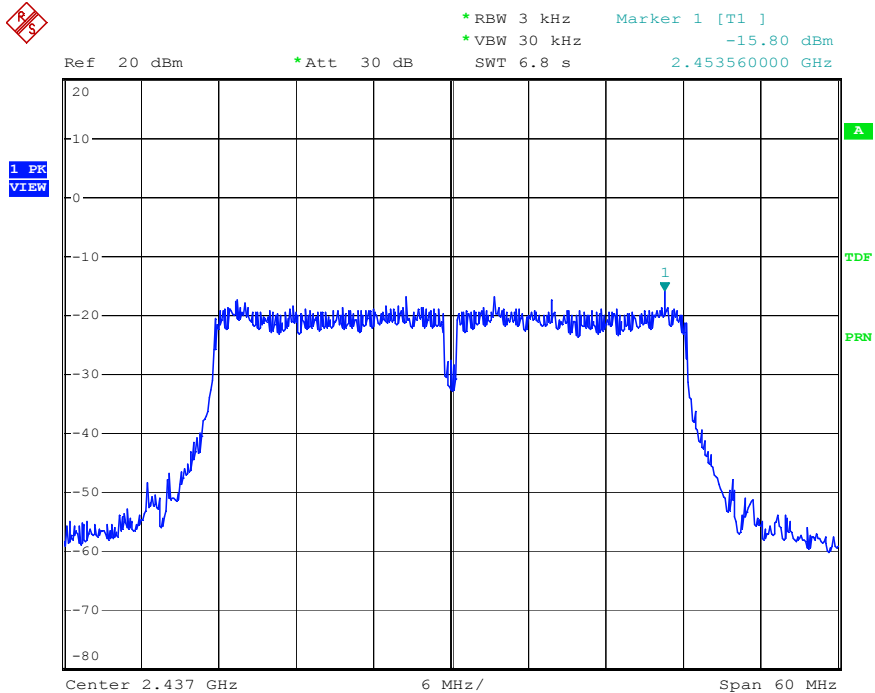
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 03



Date: 18.MAR.2014 16:53:03

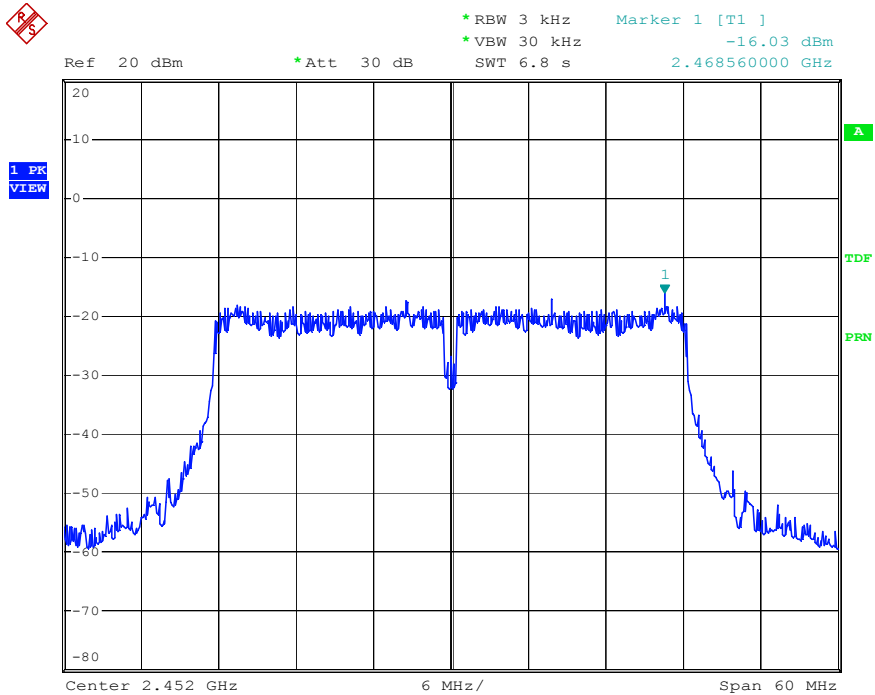


Modulation Standard: 802.11n HT40 (13.5Mbps), ANT R
Channel: 06



Date: 18.MAR.2014 16:54:15

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

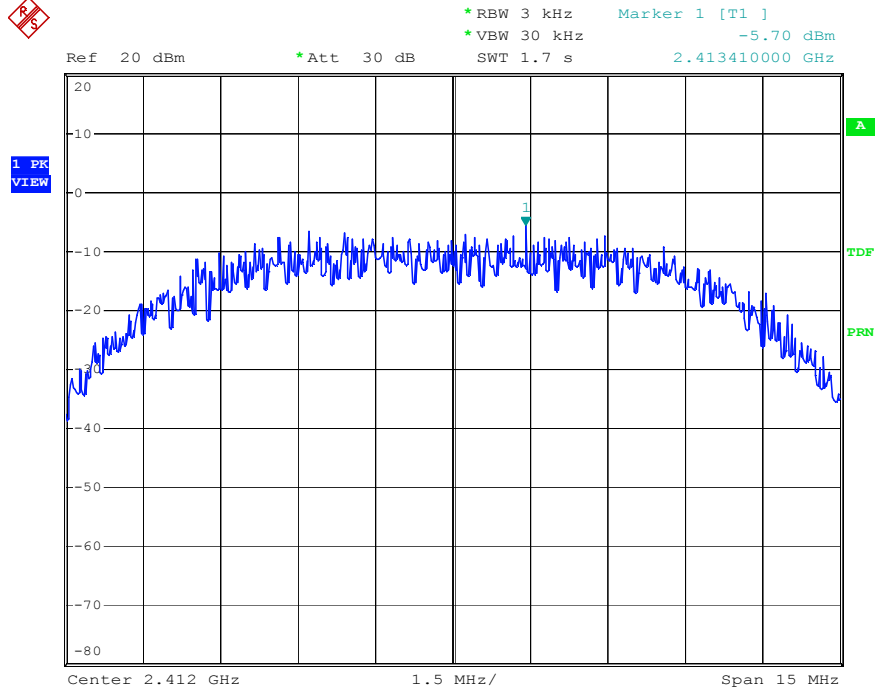


Date: 18.MAR.2014 16:55:17



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

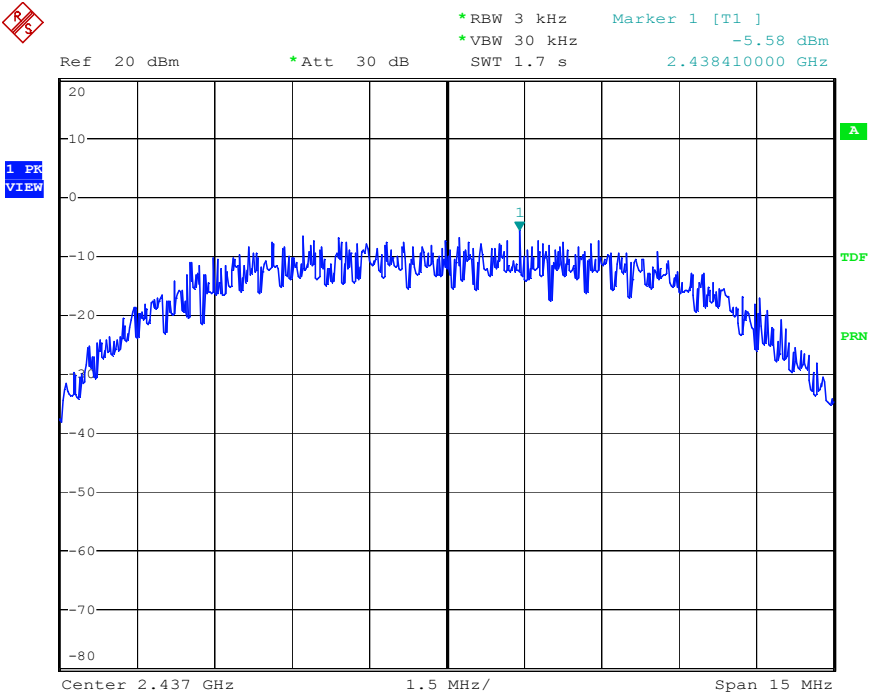
Channel: 01



Date: 18.MAR.2014 16:18:27

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

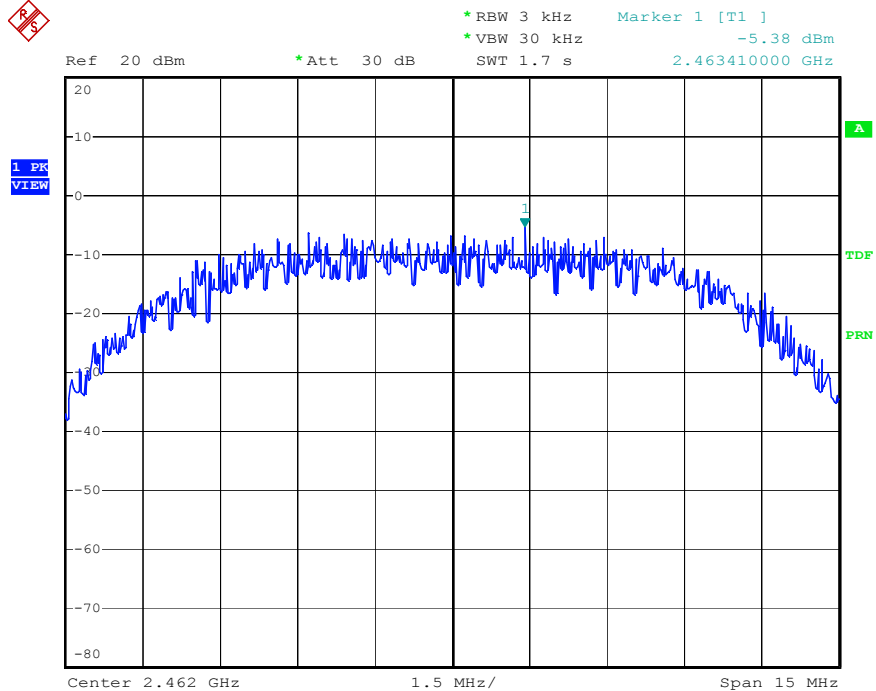
Channel: 06



Date: 18.MAR.2014 16:28:25

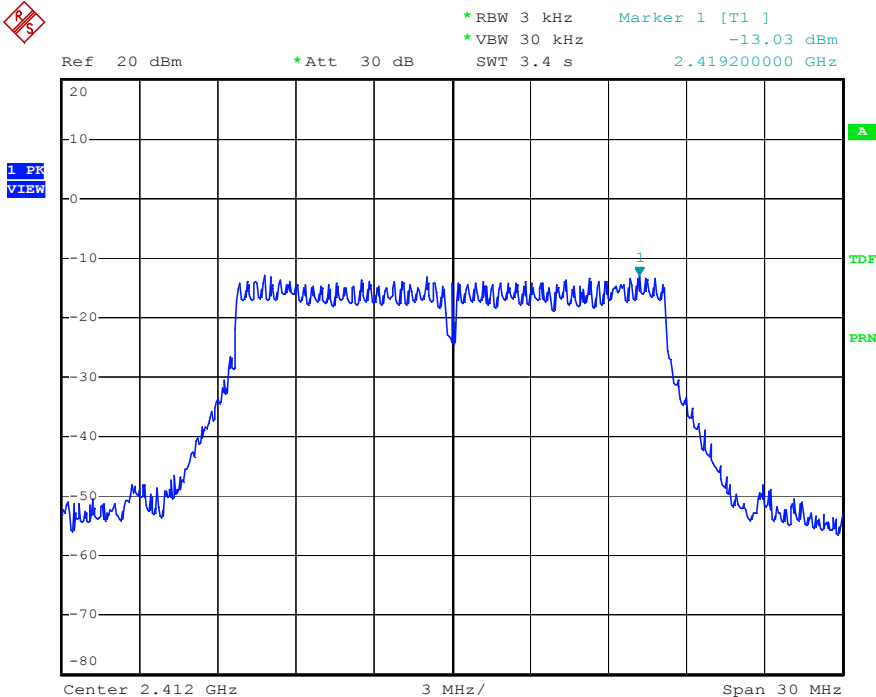


Modulation Standard: 802.11b (11Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 16:28:59

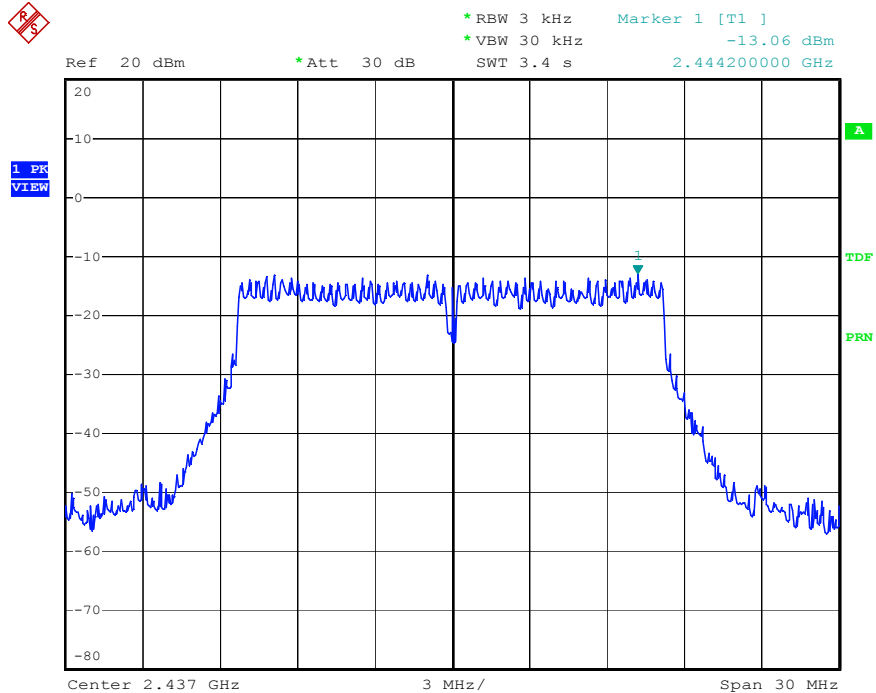
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 16:31:05

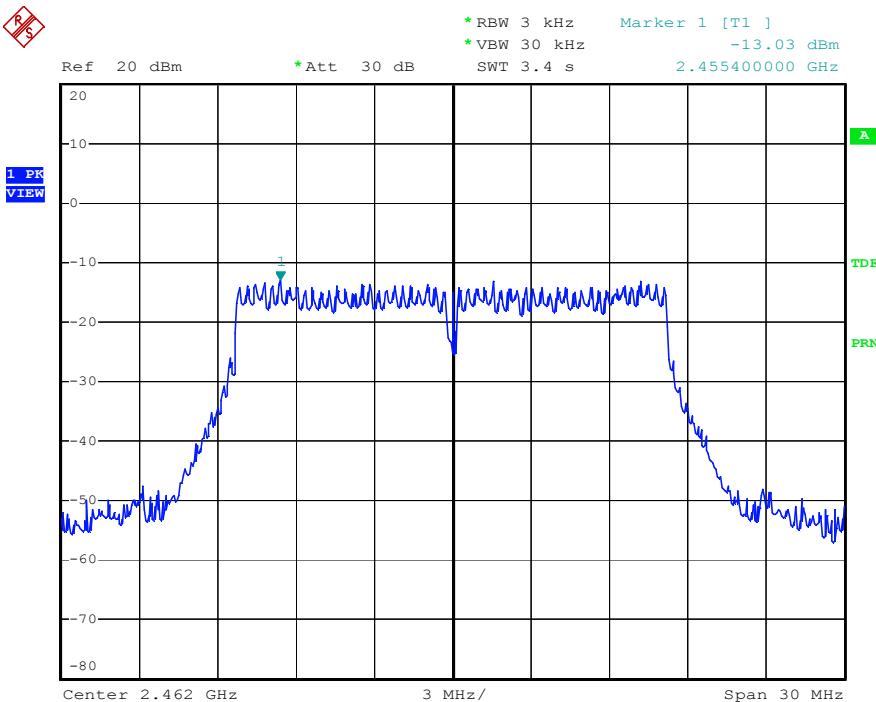


Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 16:32:14

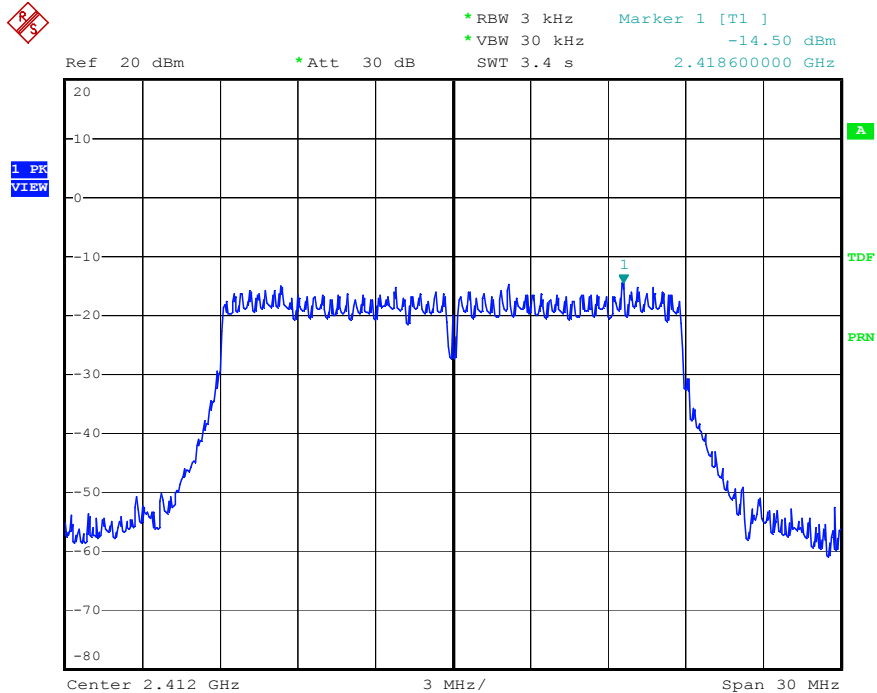
Modulation Standard: 802.11g (6Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 16:33:03

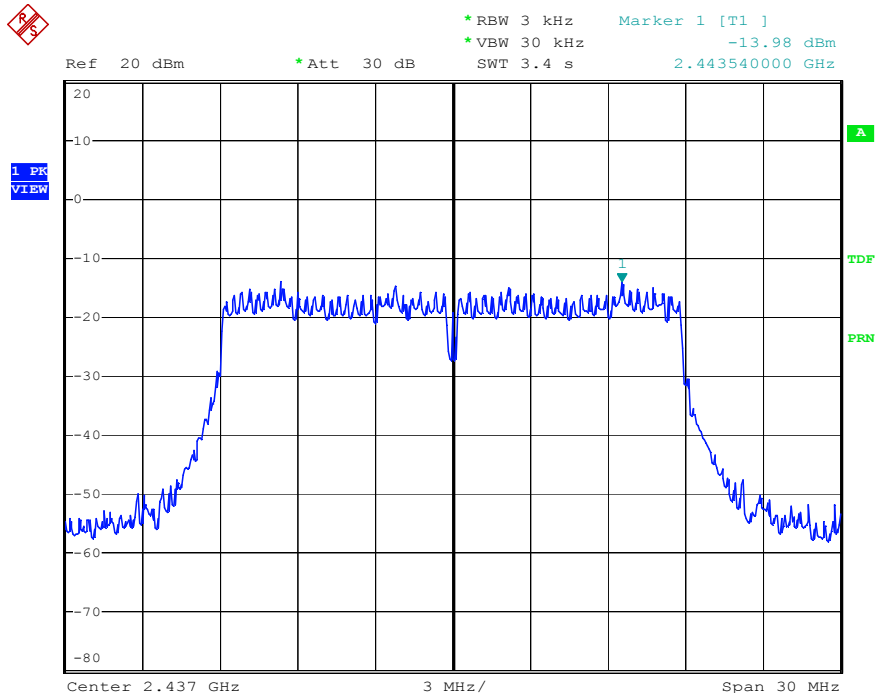


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 01



Date: 18.MAR.2014 16:43:35

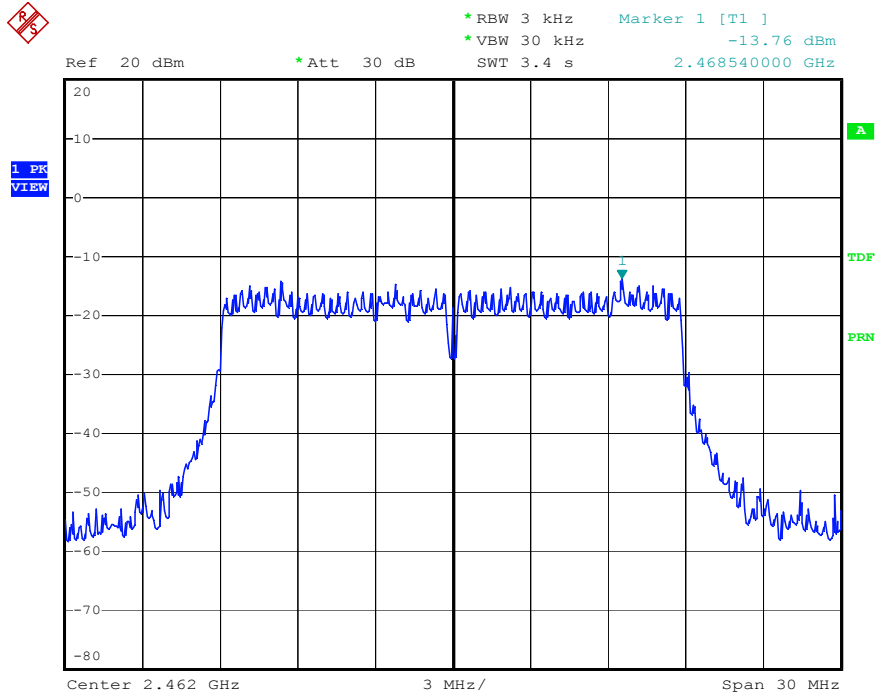
Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 16:45:24

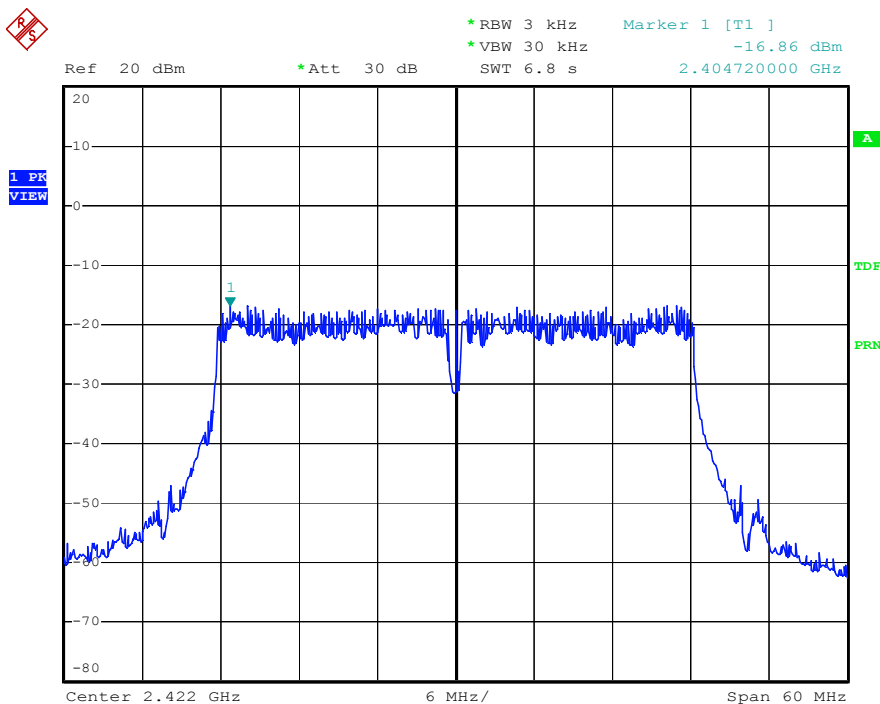


Modulation Standard: 802.11n HT20 (6.5Mbps), ANT L
Channel: 11



Date: 18.MAR.2014 16:46:26

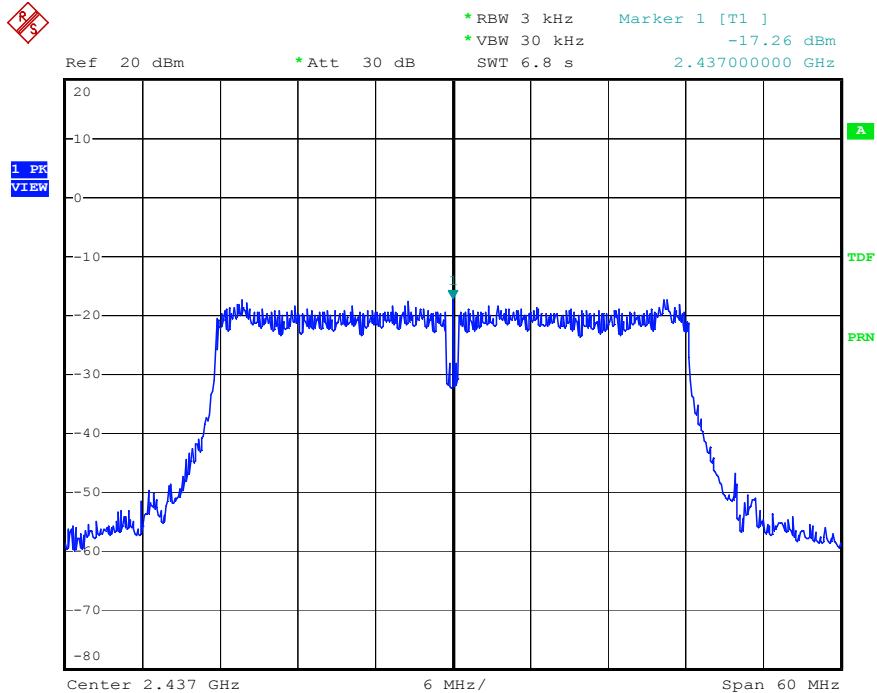
Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 03



Date: 18.MAR.2014 16:49:12

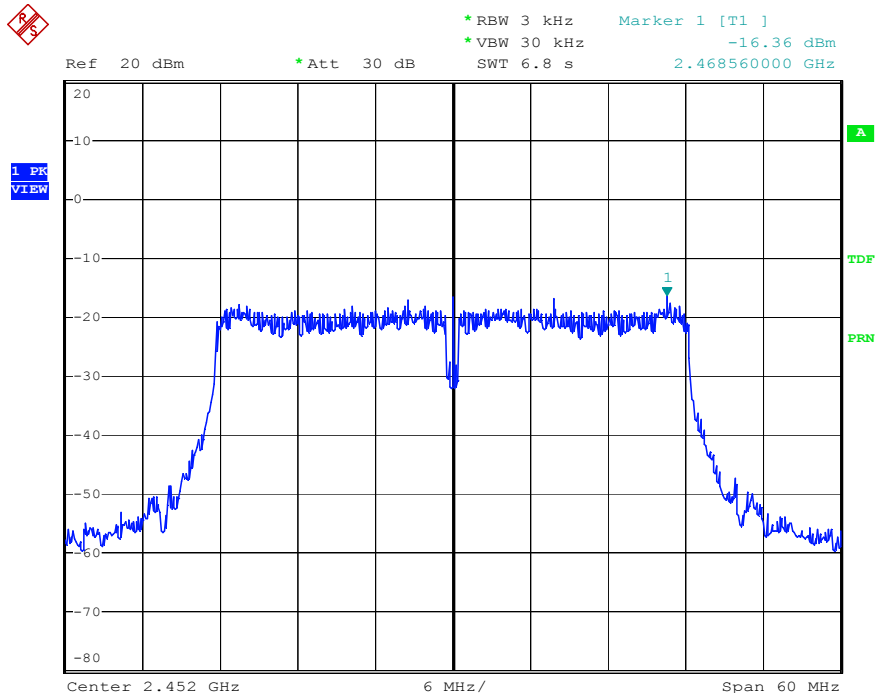


Modulation Standard: 802.11n HT40 (13.5Mbps), ANT L
Channel: 06



Date: 18.MAR.2014 16:50:12

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



Date: 18.MAR.2014 16:51:15



11. Band Edges Measurement

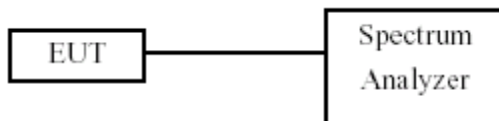
11.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

11.2 Test Procedure

- a. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- d. The band edges was measured and recorded.

11.3 Test Setup Layout





11.4 Test Result and Data

Test Date: Mar. 18, 2014

Temperature: 22°C

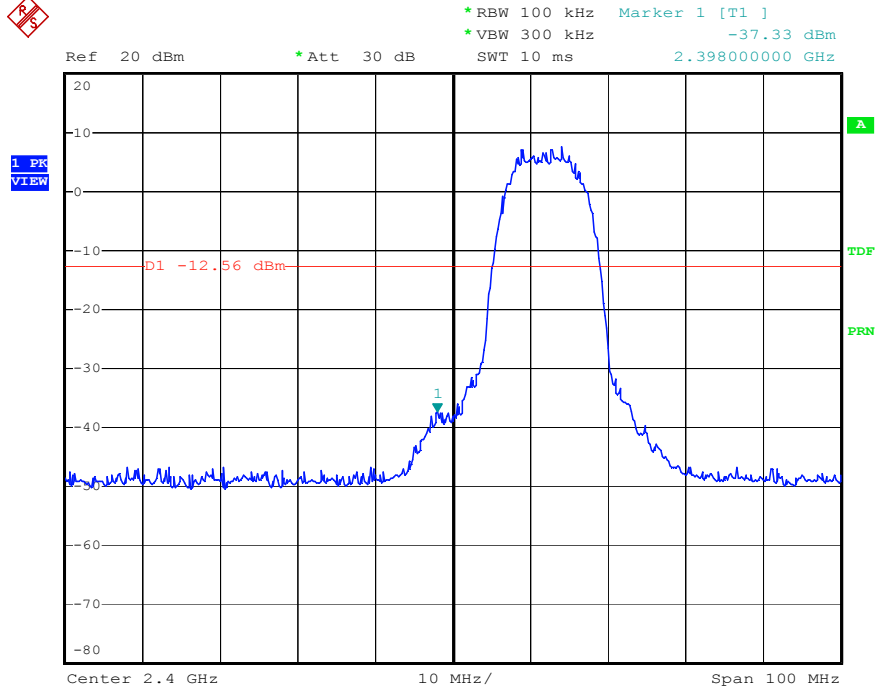
Atmospheric pressure: 1020 hPa

Humidity: 60%

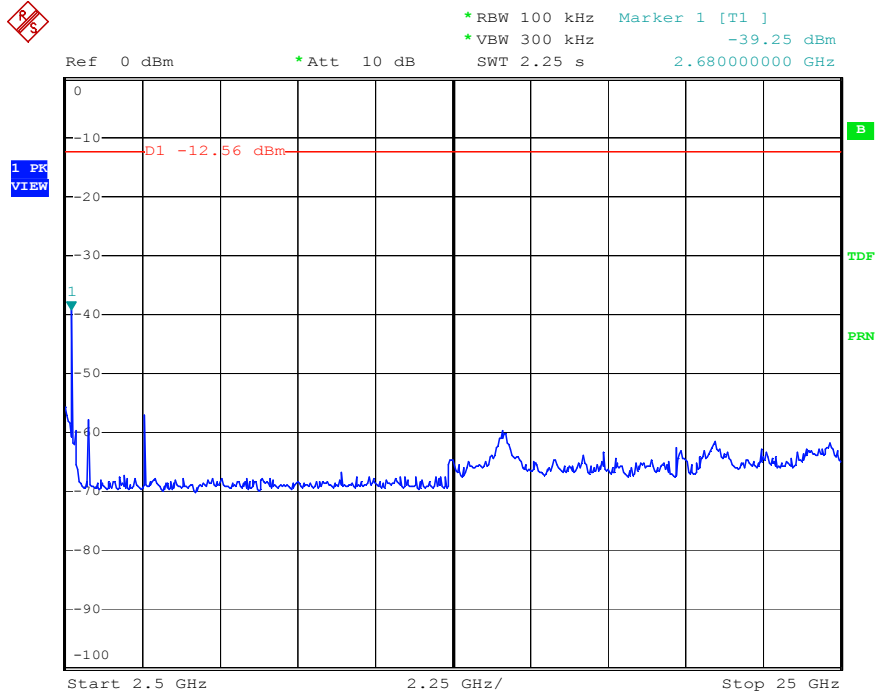
Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			ANT R	ANT L	ANT R	ANT L
802.11b (11Mbps)	01	2412	2398.00	2680.00	-37.33	-36.82
	11	2462	2860.00	2860.00	-36.74	-35.42
802.11g (6Mbps)	01	2412	2399.40	2400.00	-32.60	-31.97
	11	2462	2483.70	2484.10	-43.99	-43.50
802.11n HT20 (6.5Mbps)	01	2412	2399.80	2399.80	-36.63	-36.68
	11	2462	2483.70	2484.10	-44.76	-42.93
802.11n HT40 (13.5Mbps)	03	2422	2398.60	2398.80	-35.55	-36.42
	09	2452	2496.70	3265.00	-45.12	-43.33



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



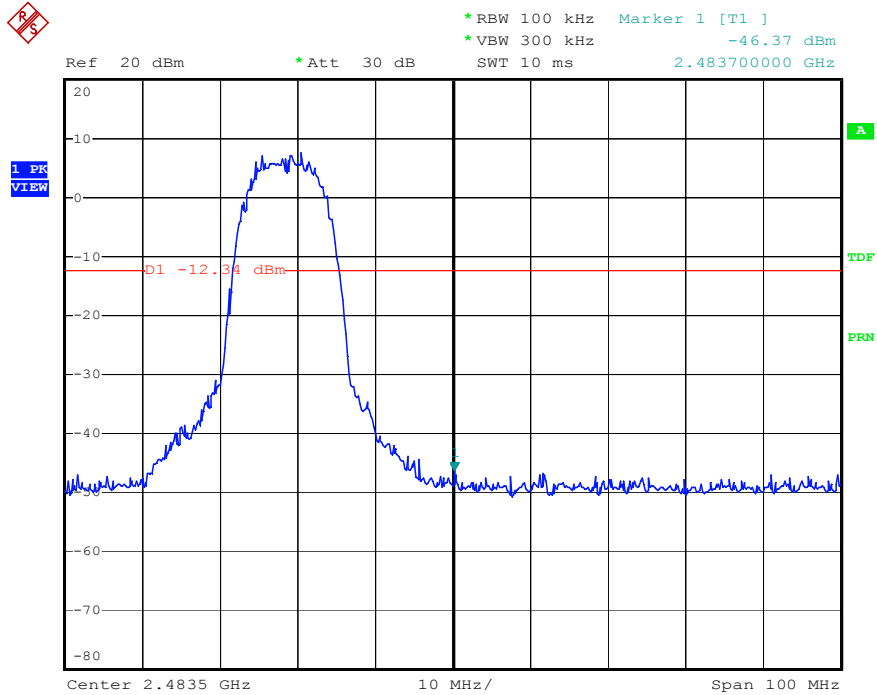
Date: 18.MAR.2014 17:11:29



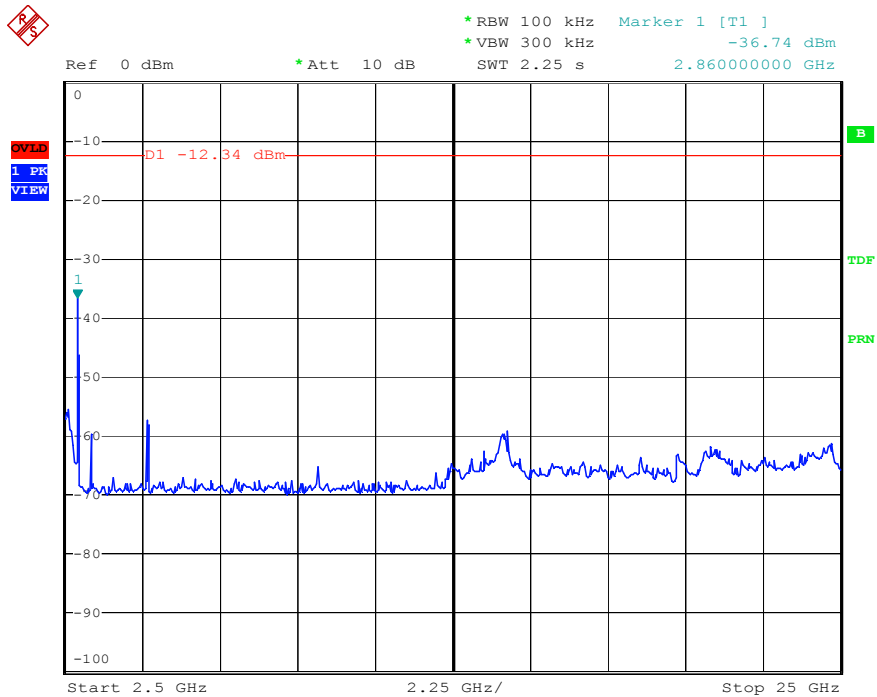
Date: 18.MAR.2014 17:12:19



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



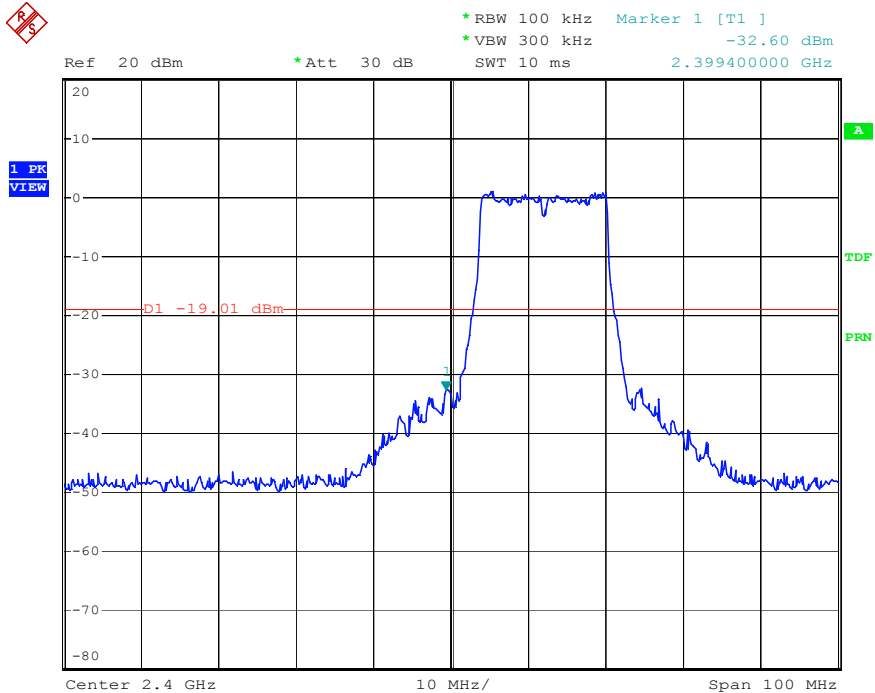
Date: 18.MAR.2014 17:15:12



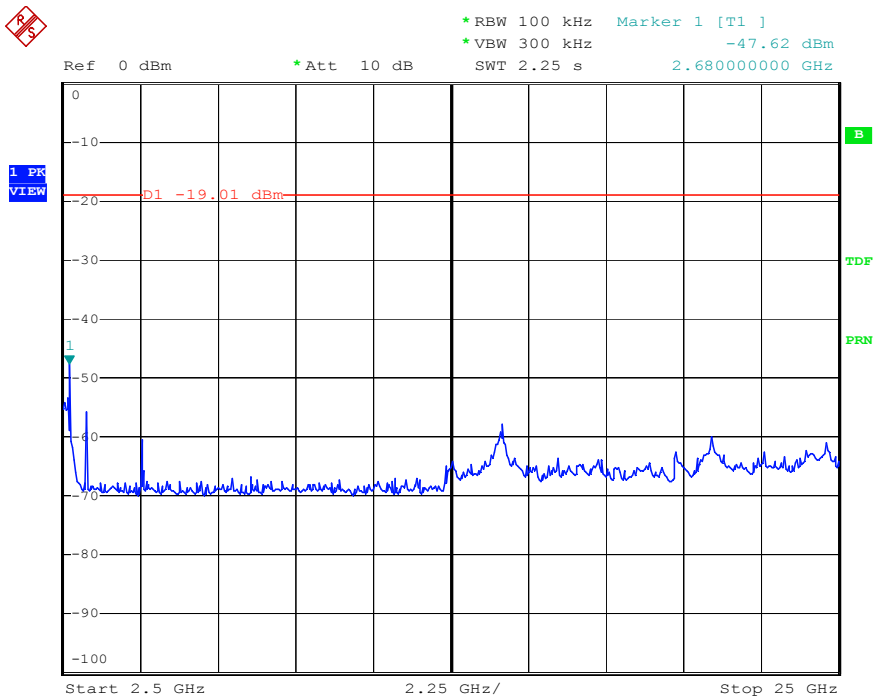
Date: 18.MAR.2014 17:15:47



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



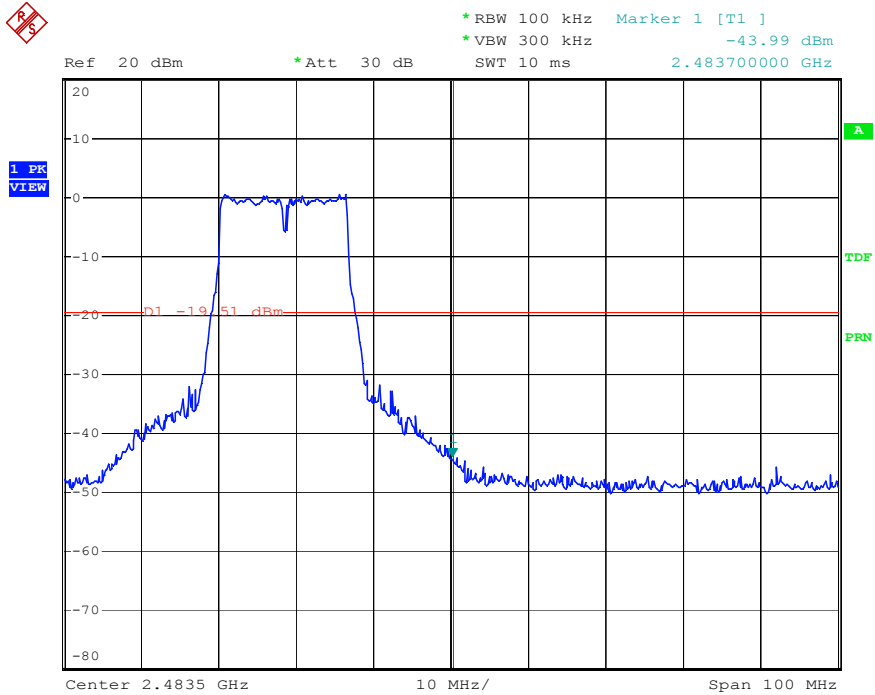
Date: 18.MAR.2014 17:28:07



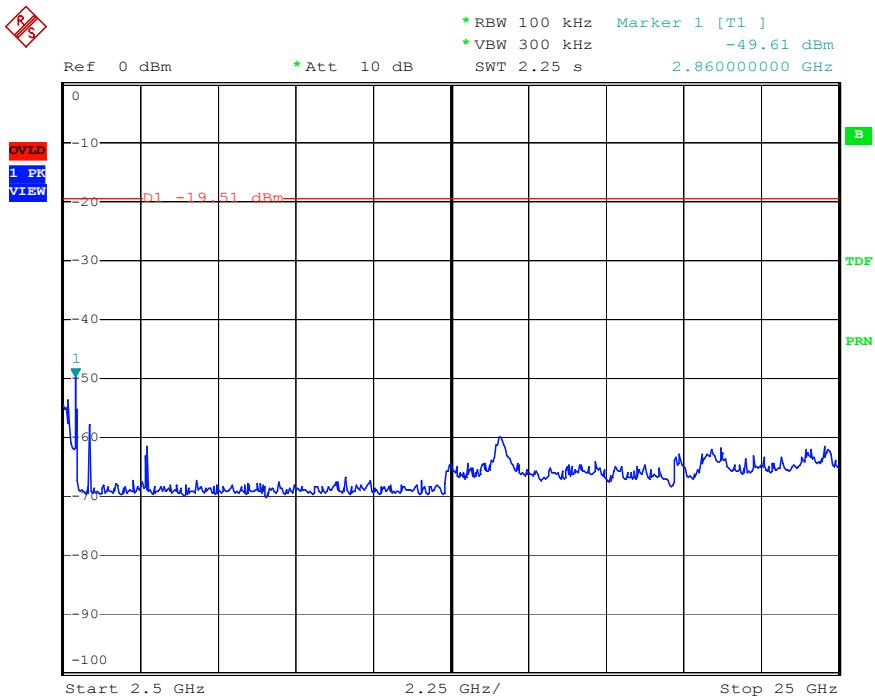
Date: 18.MAR.2014 17:28:53



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



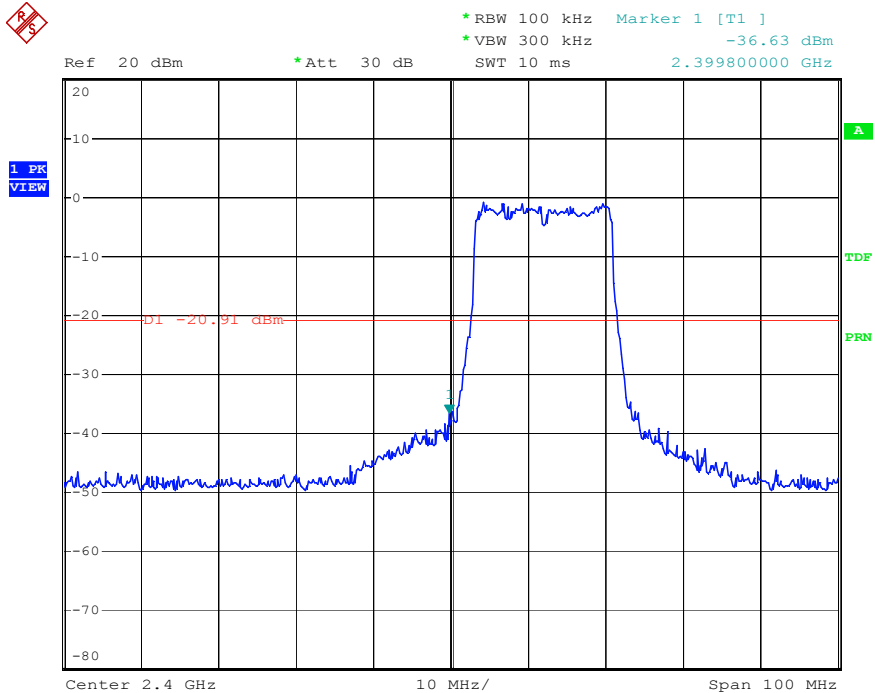
Date: 18.MAR.2014 17:30:46



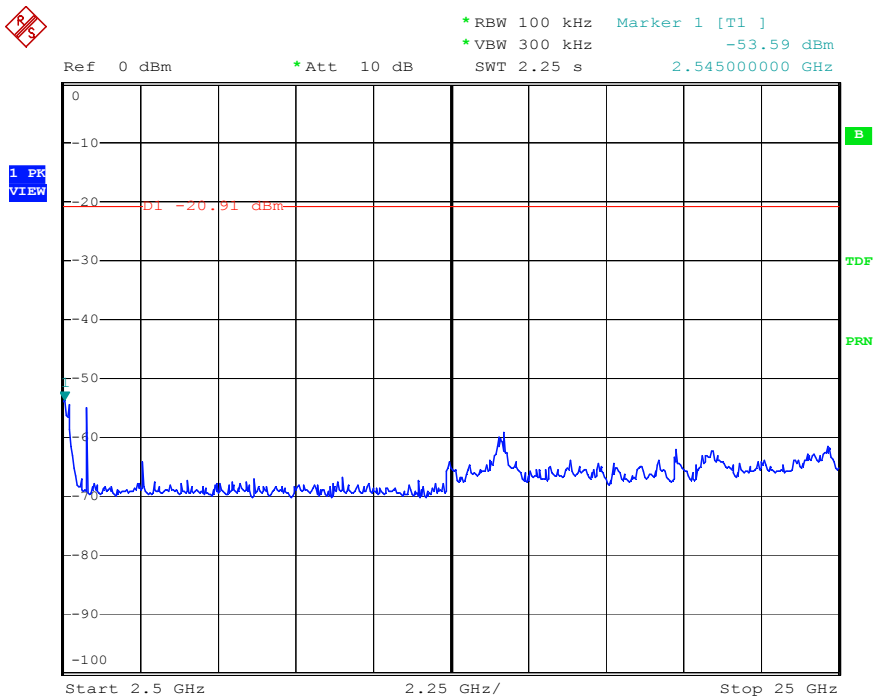
Date: 18.MAR.2014 17:31:30



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



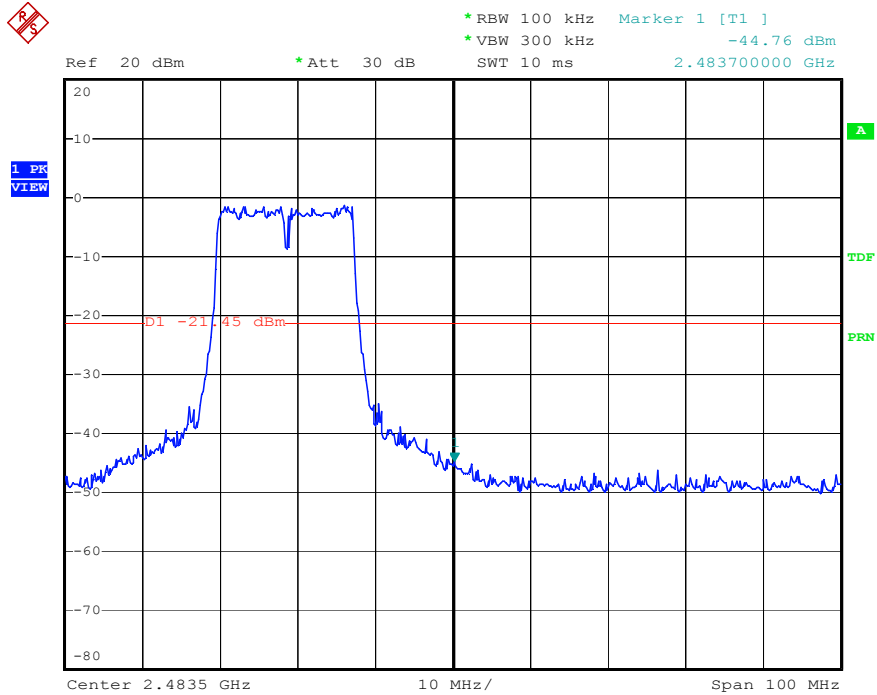
Date: 18.MAR.2014 17:33:53



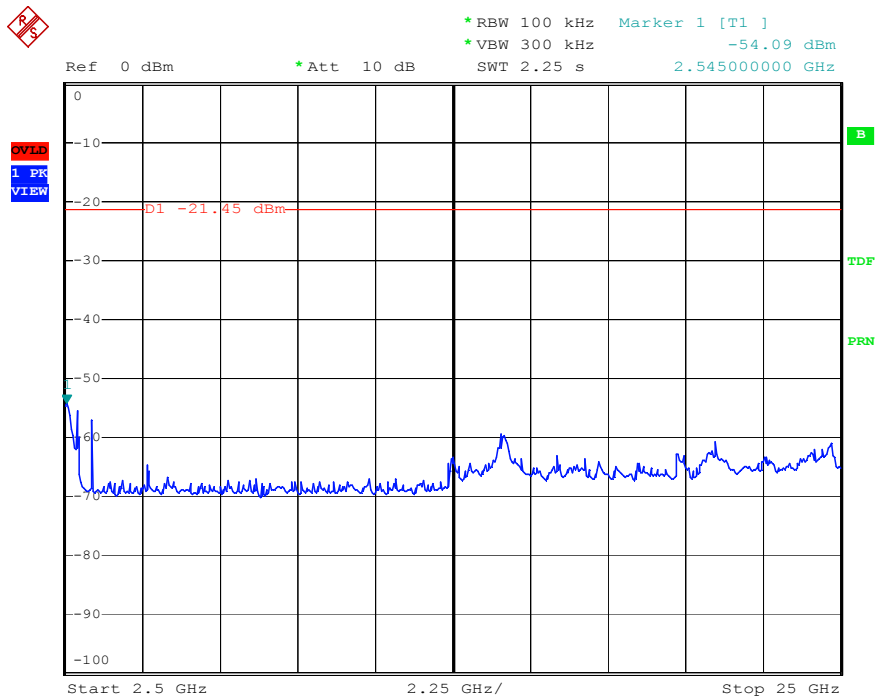
Date: 18.MAR.2014 17:34:44



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



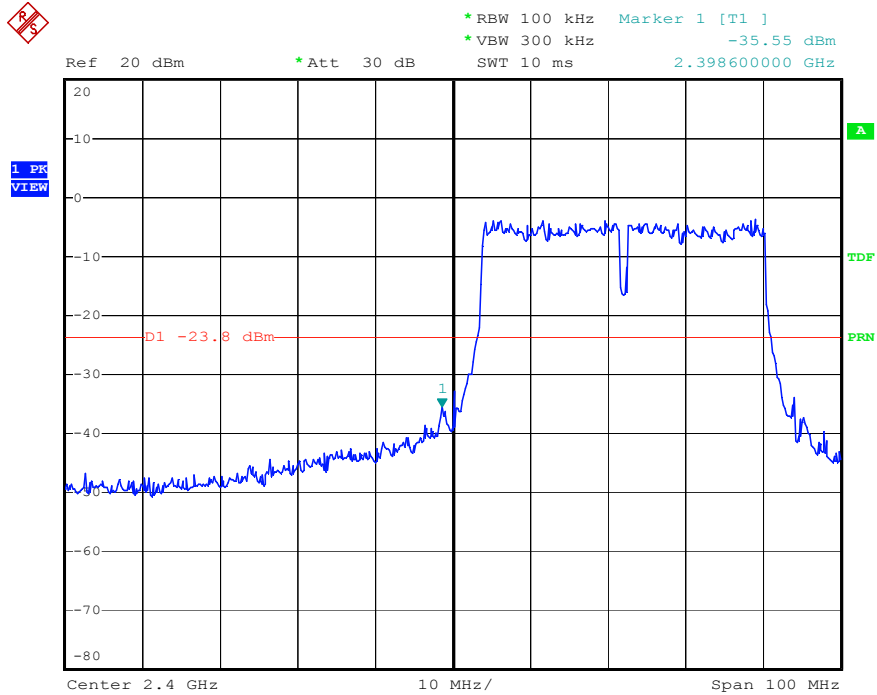
Date: 18.MAR.2014 17:35:49



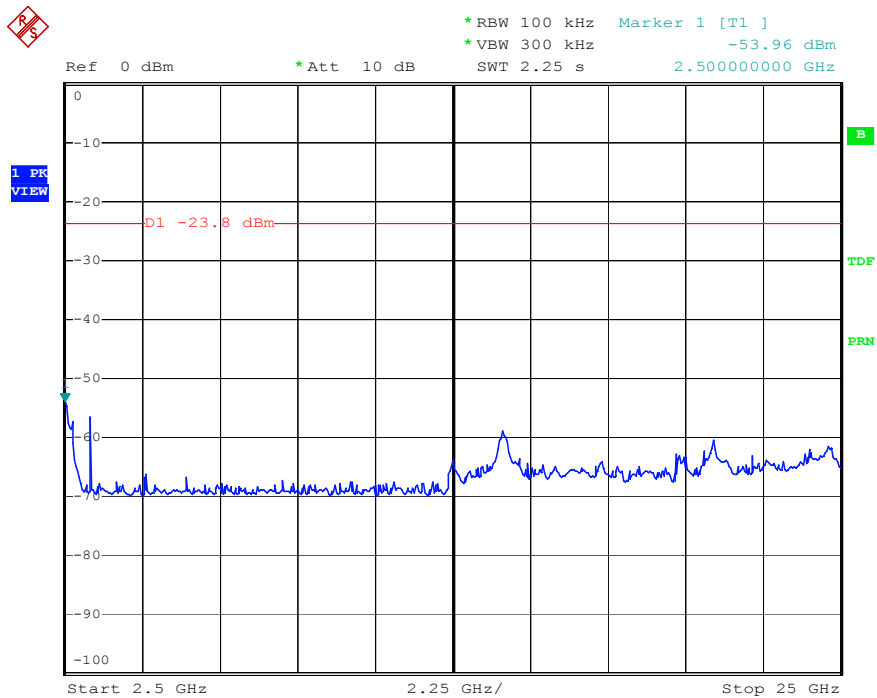
Date: 18.MAR.2014 17:36:23



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



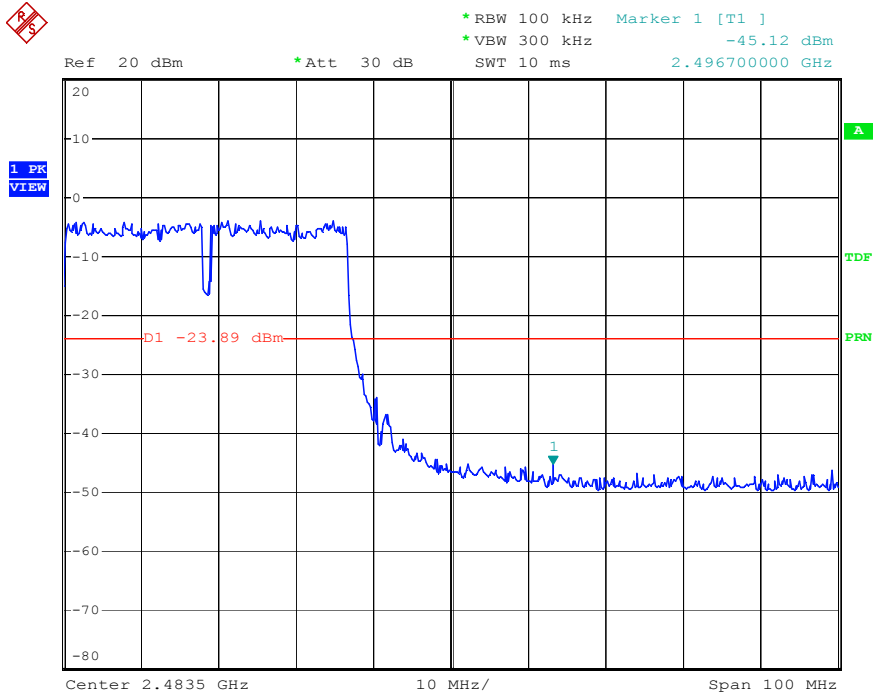
Date: 18.MAR.2014 17:47:44



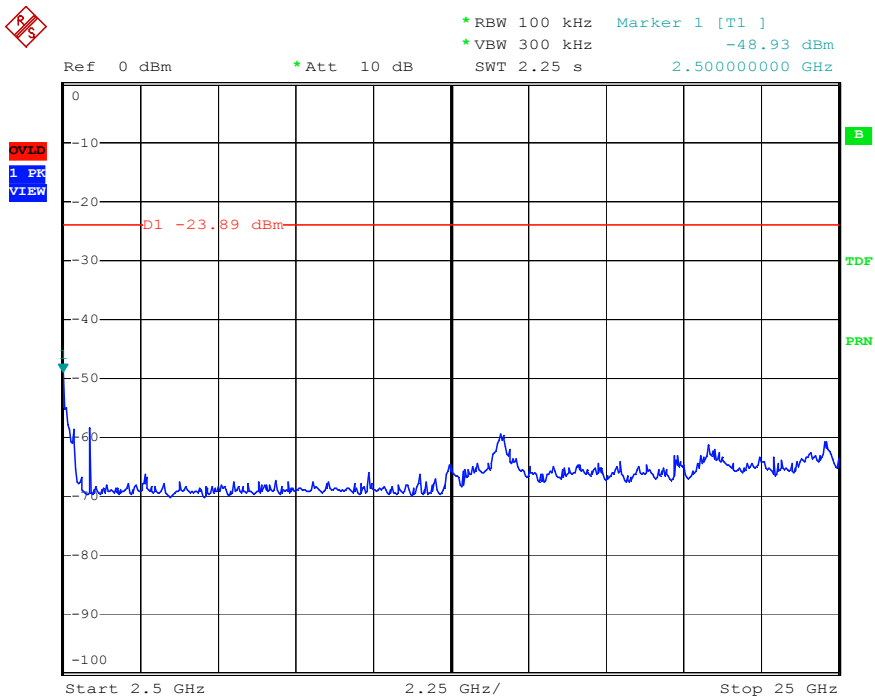
Date: 18.MAR.2014 17:48:17



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



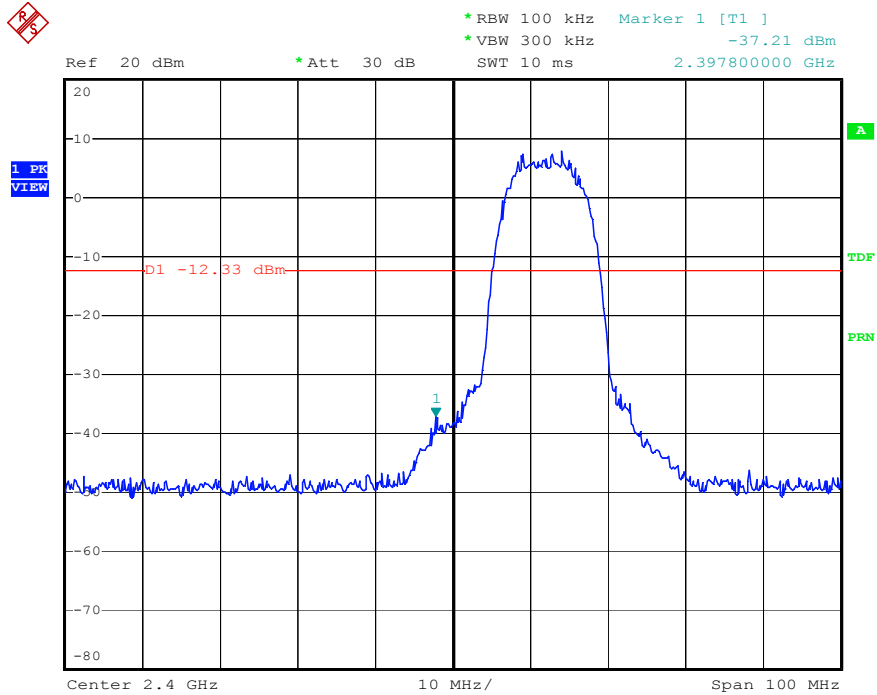
Date: 18.MAR.2014 17:49:26



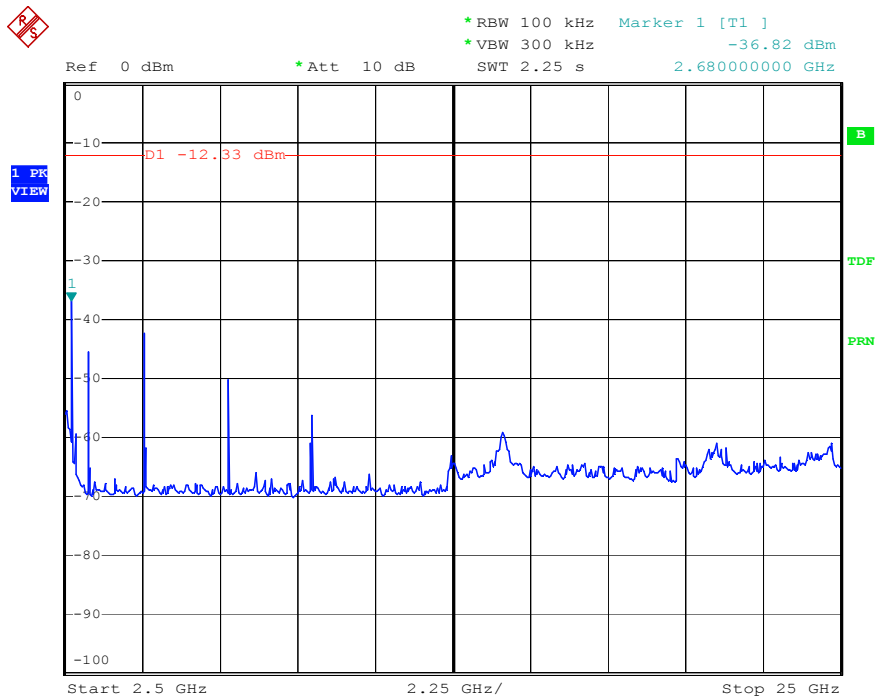
Date: 18.MAR.2014 17:49:57



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



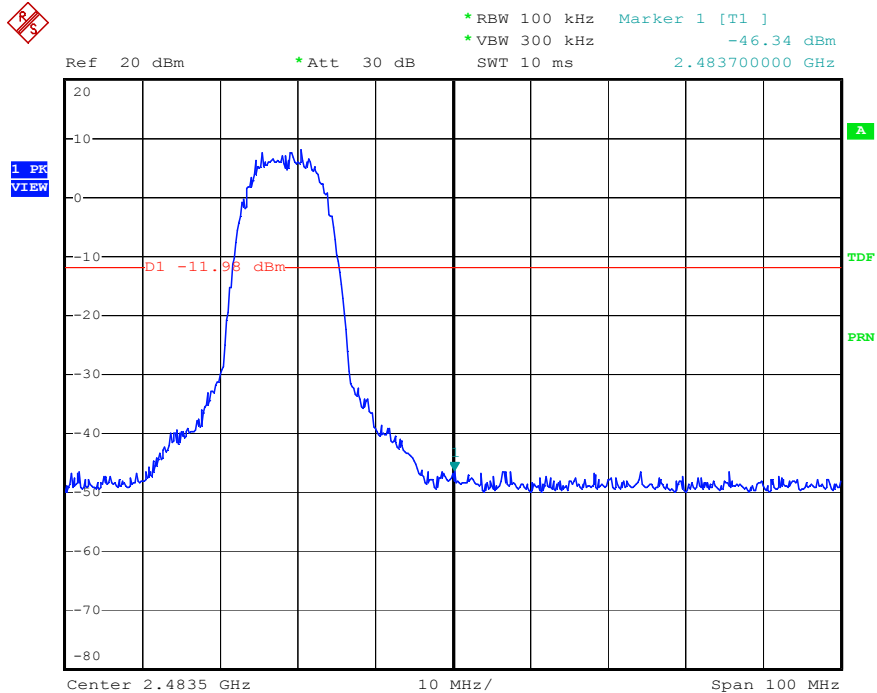
Date: 18.MAR.2014 17:17:17



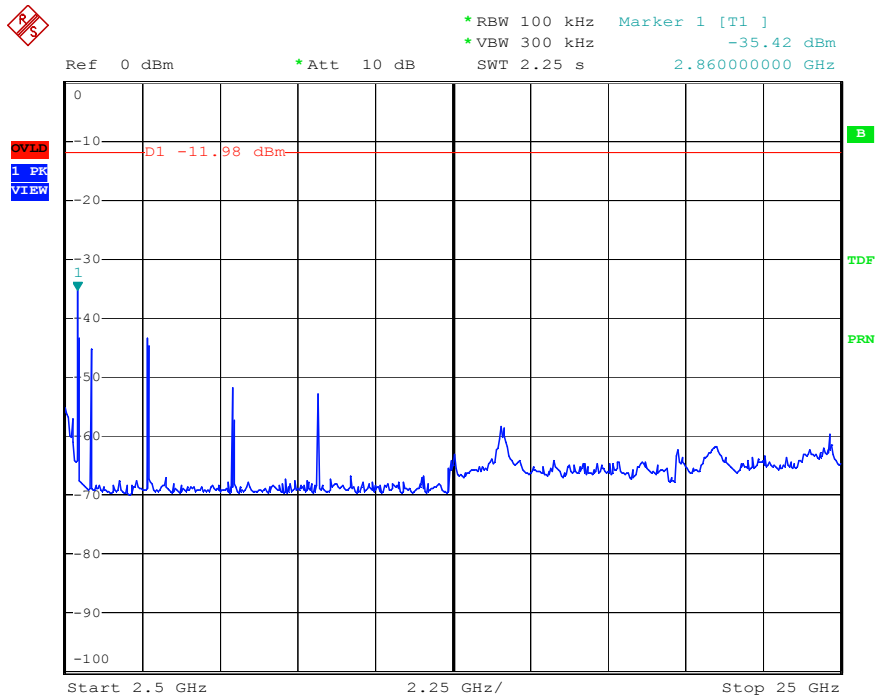
Date: 18.MAR.2014 17:18:00



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



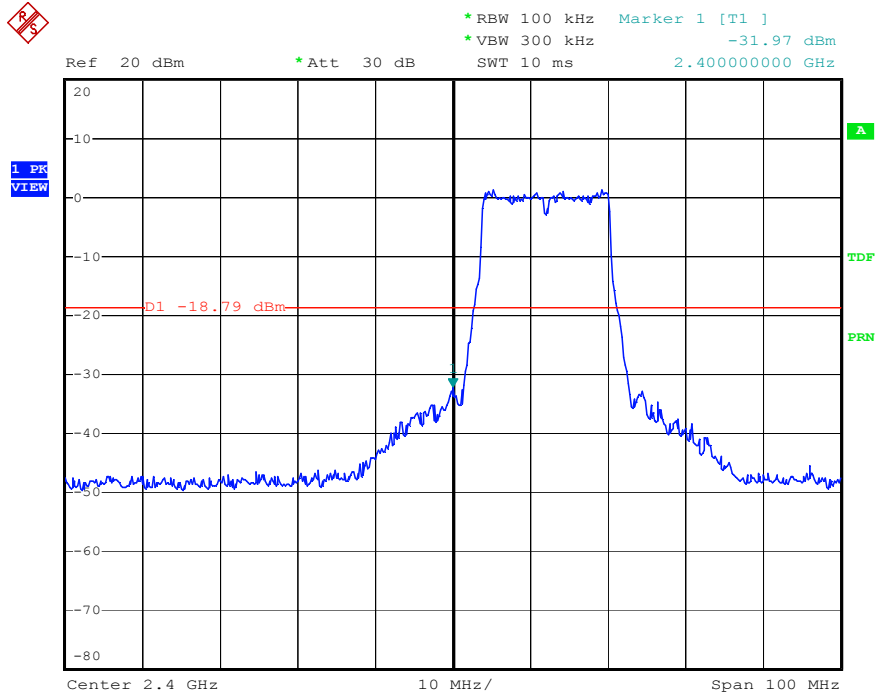
Date: 18.MAR.2014 17:19:04



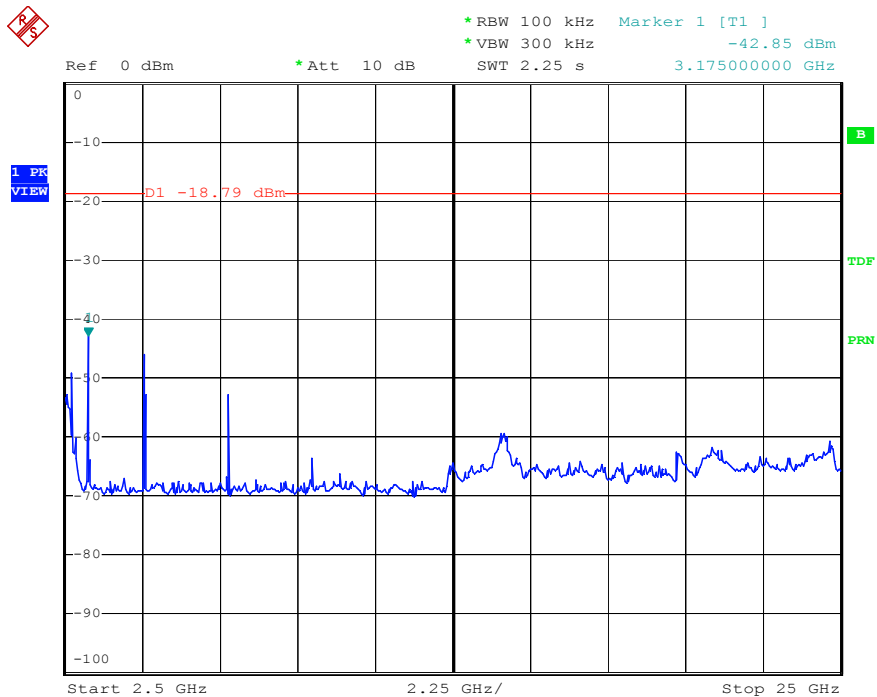
Date: 18.MAR.2014 17:19:43



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



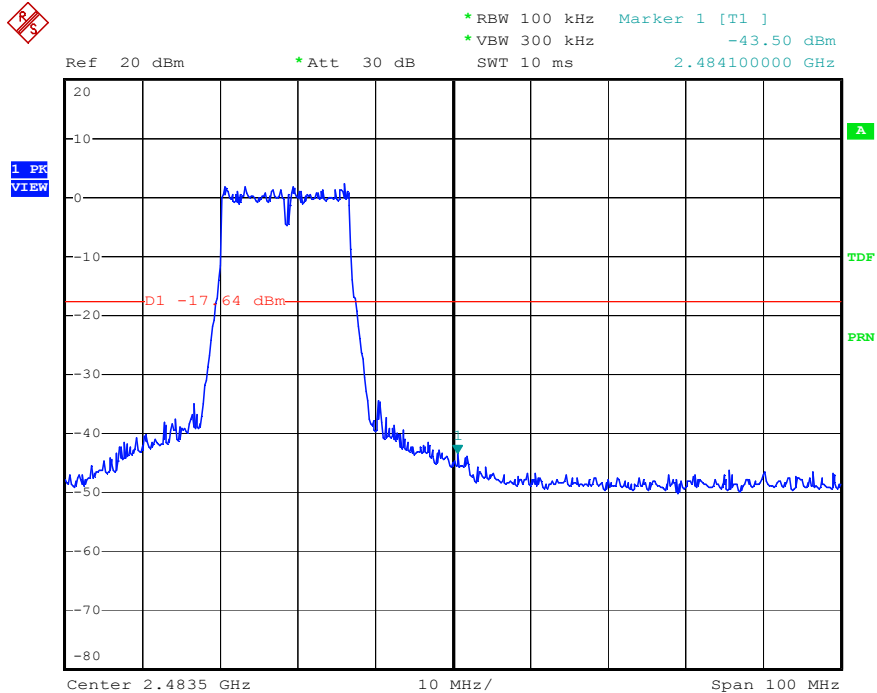
Date: 18.MAR.2014 17:23:56



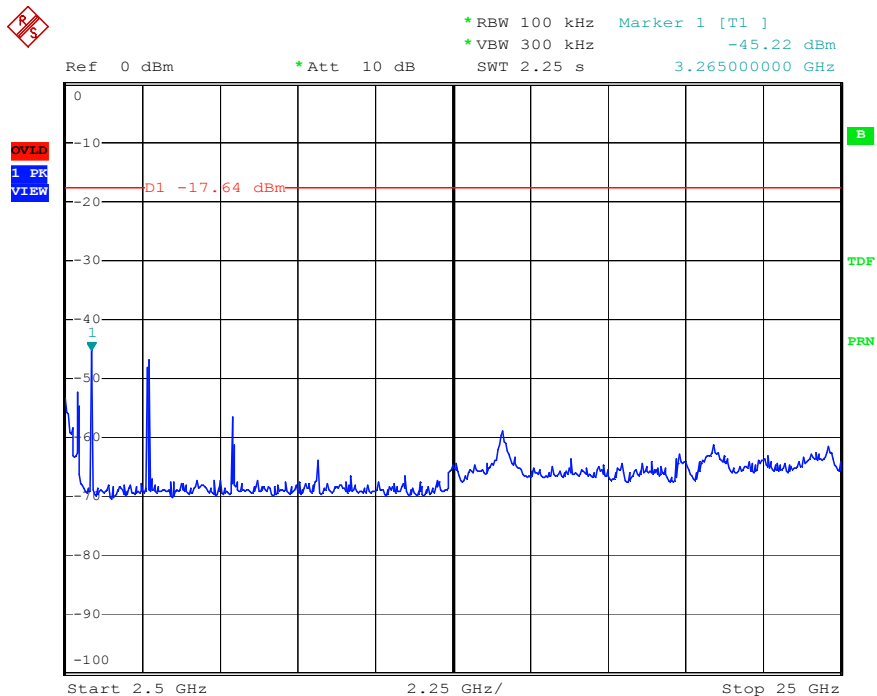
Date: 18.MAR.2014 17:24:36



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



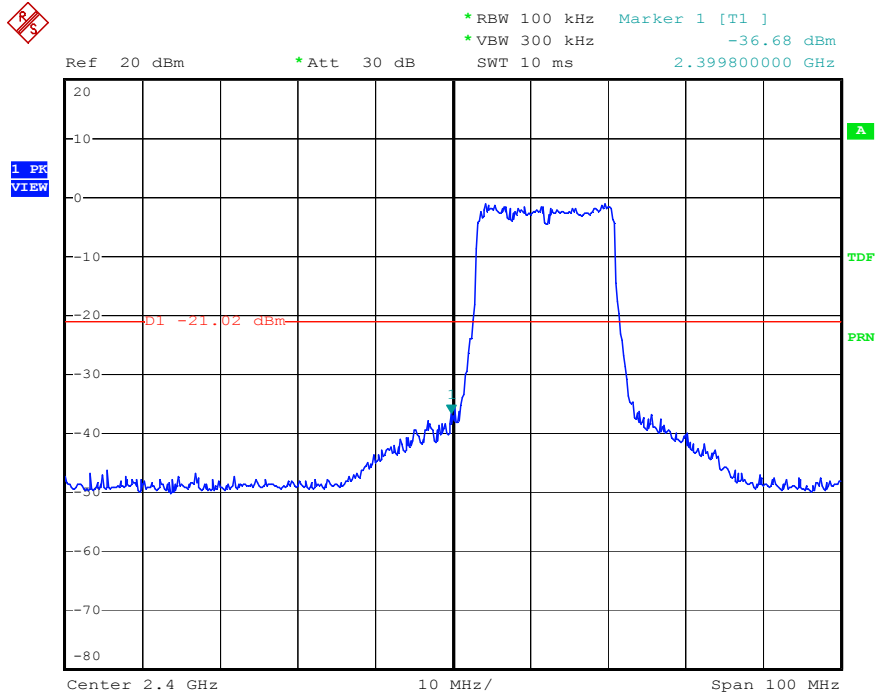
Date: 18.MAR.2014 17:25:39



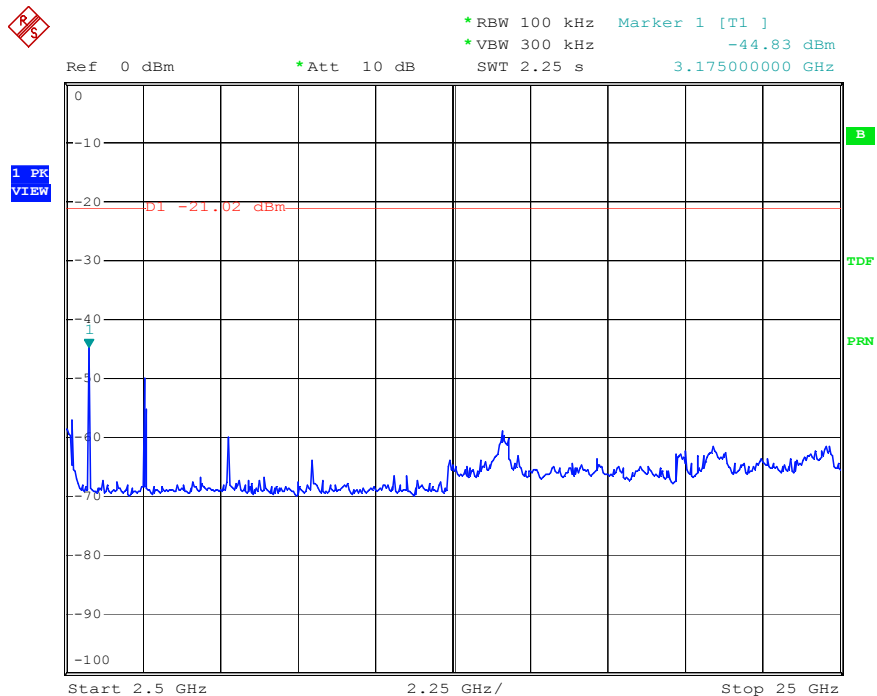
Date: 18.MAR.2014 17:26:11



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



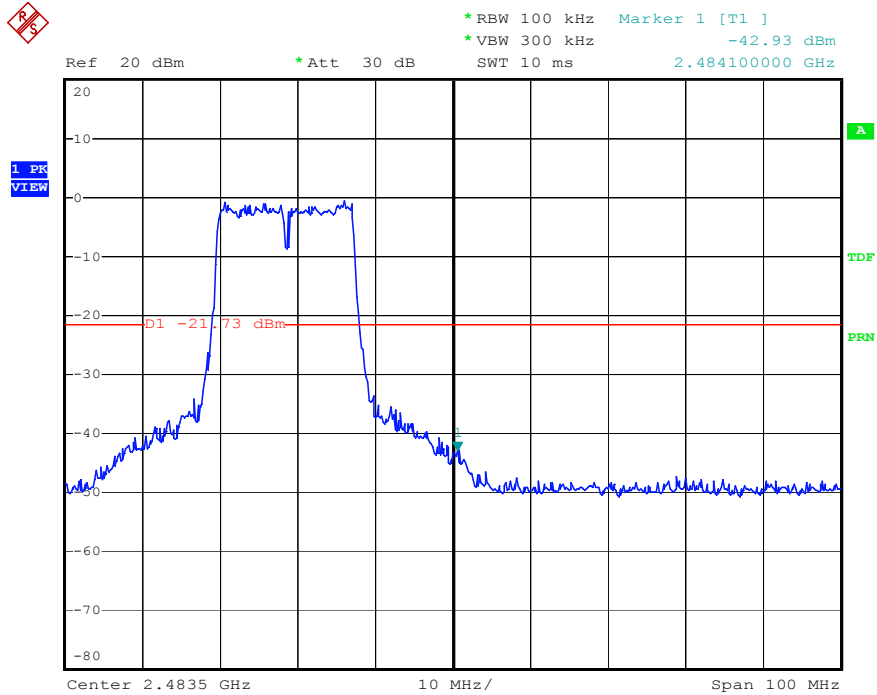
Date: 18.MAR.2014 17:38:35



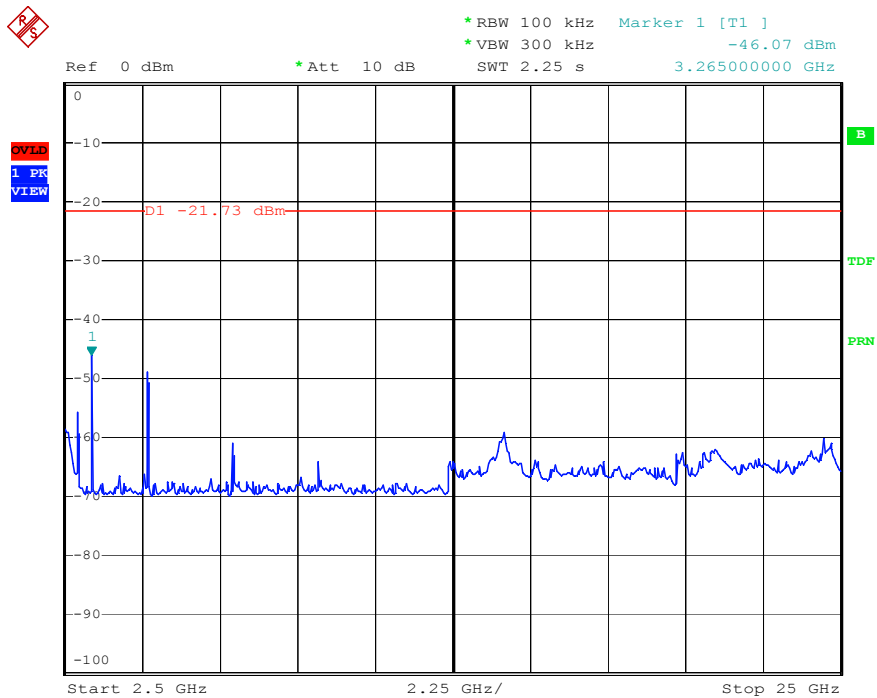
Date: 18.MAR.2014 17:39:12



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



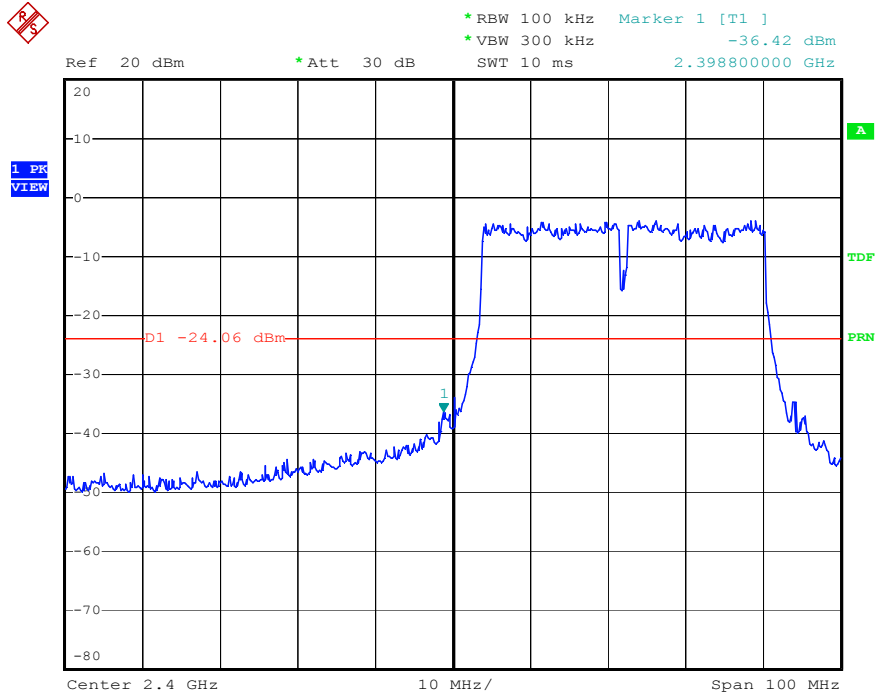
Date: 18.MAR.2014 17:40:27



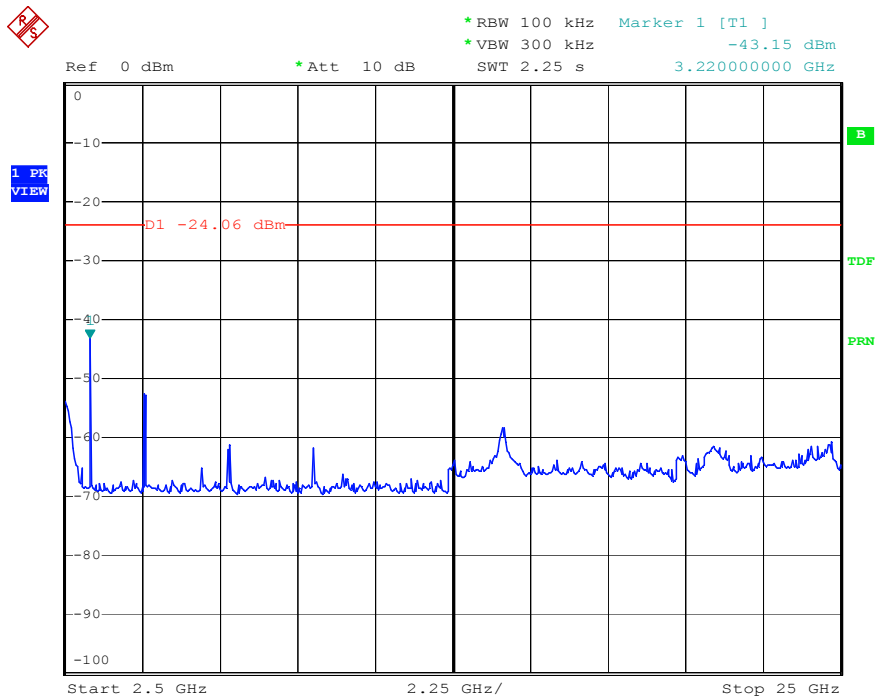
Date: 18.MAR.2014 17:41:13



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



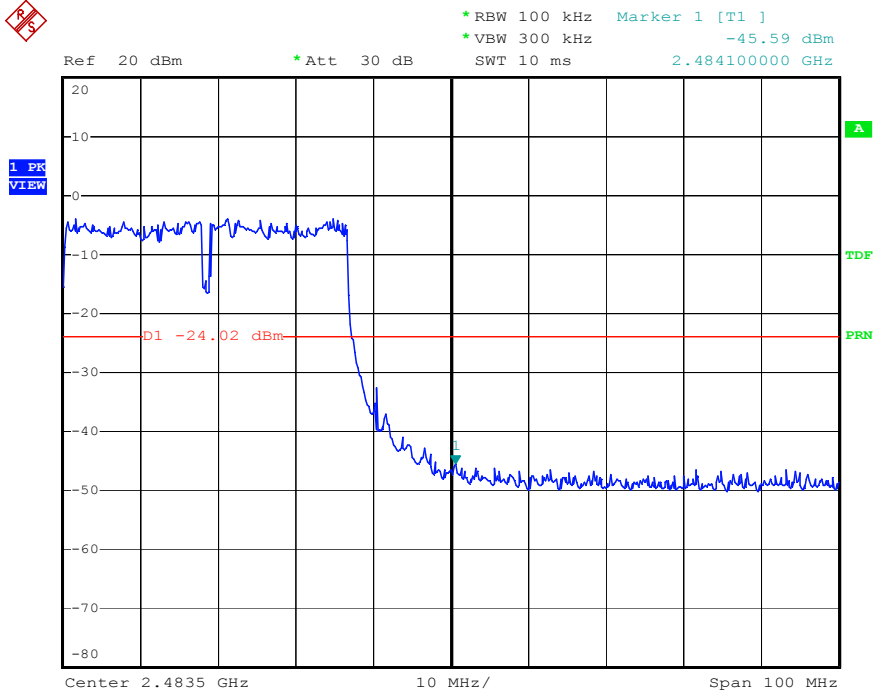
Date: 18.MAR.2014 17:43:23



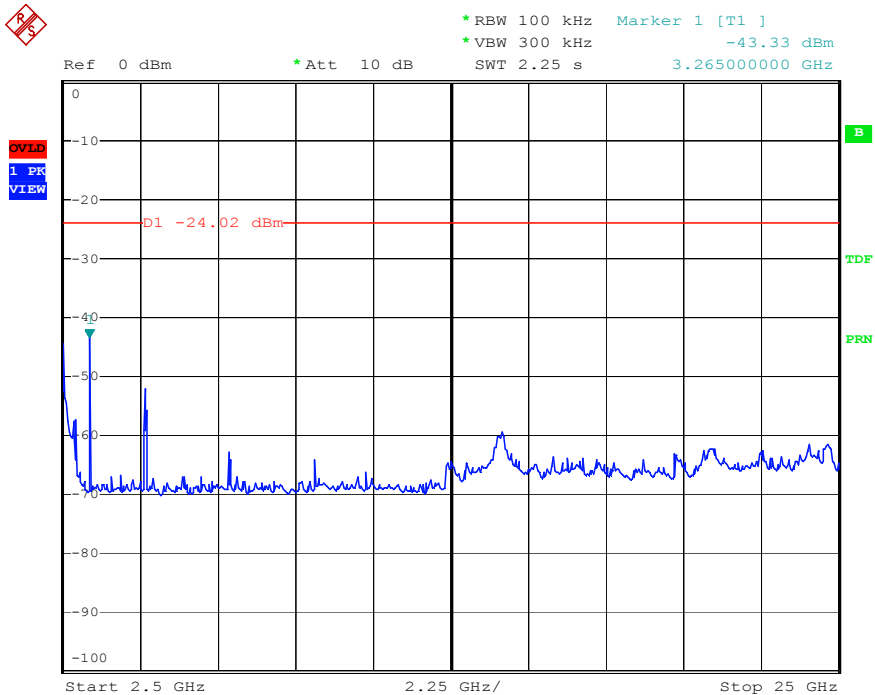
Date: 18.MAR.2014 17:44:22



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



Date: 27.MAR.2014 11:47:31

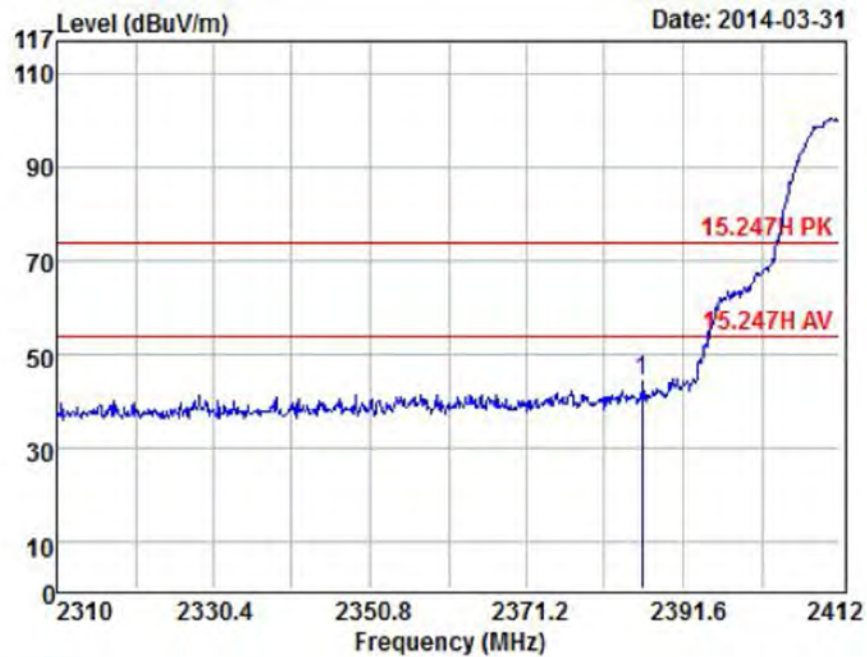


Date: 18.MAR.2014 17:46:13



11.5 Restrict Band Emission Measurement Data

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

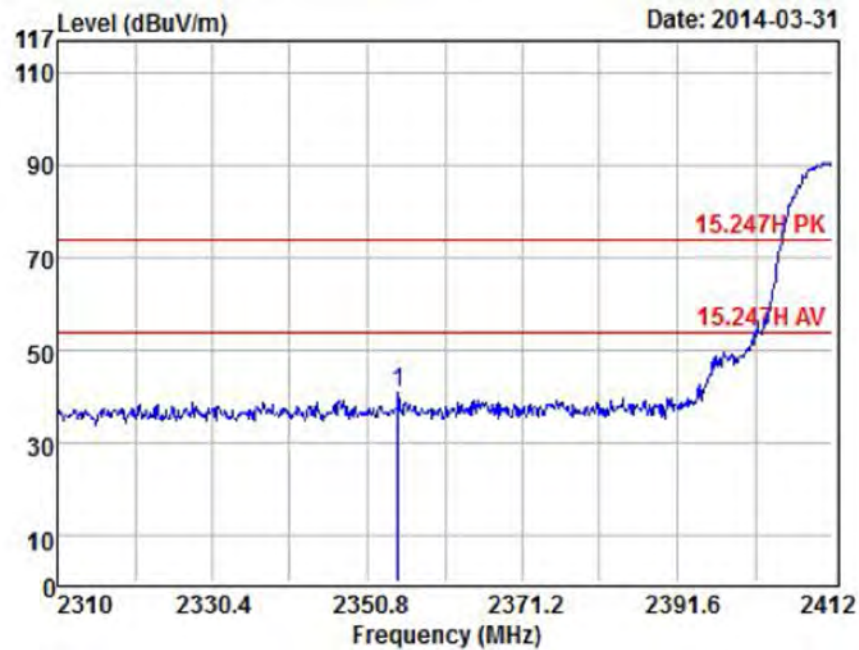
mode : Transmit

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	2386.30	61.08	44.37	-16.71	74.00	-29.63	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

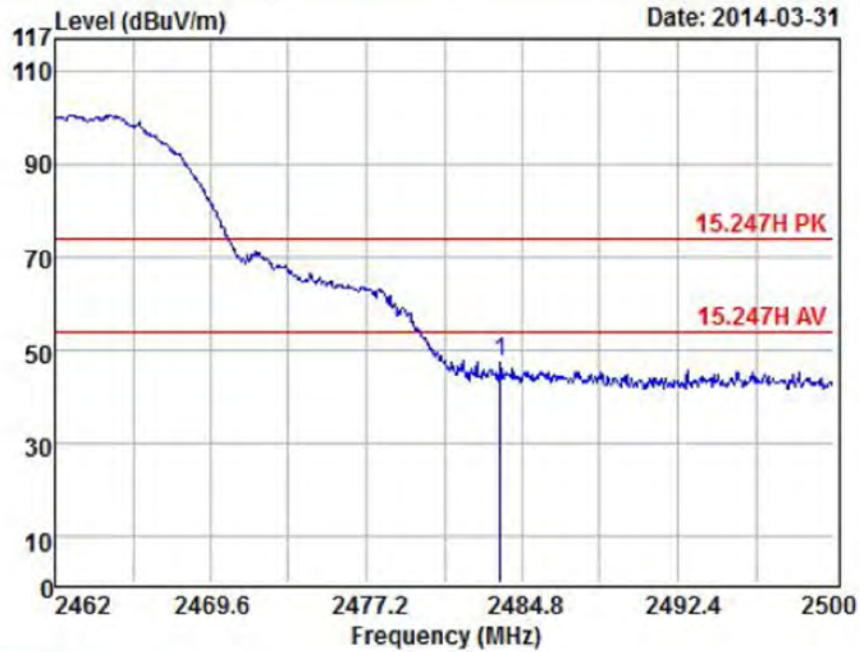
mode : Transmit

memo : 802.11b CH1 (Dipole Antenna)

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2354.88	57.58	40.79	-16.79	74.00	-33.21	Peak



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

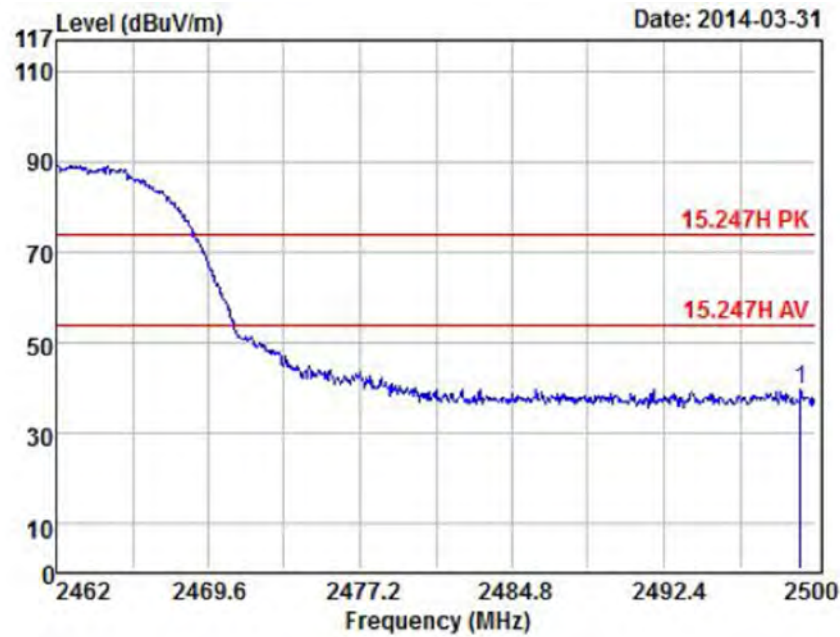


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11b,CH11 (Dipole Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1 2483.74	63.66	47.21	-16.45	74.00	-26.79	Peak



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

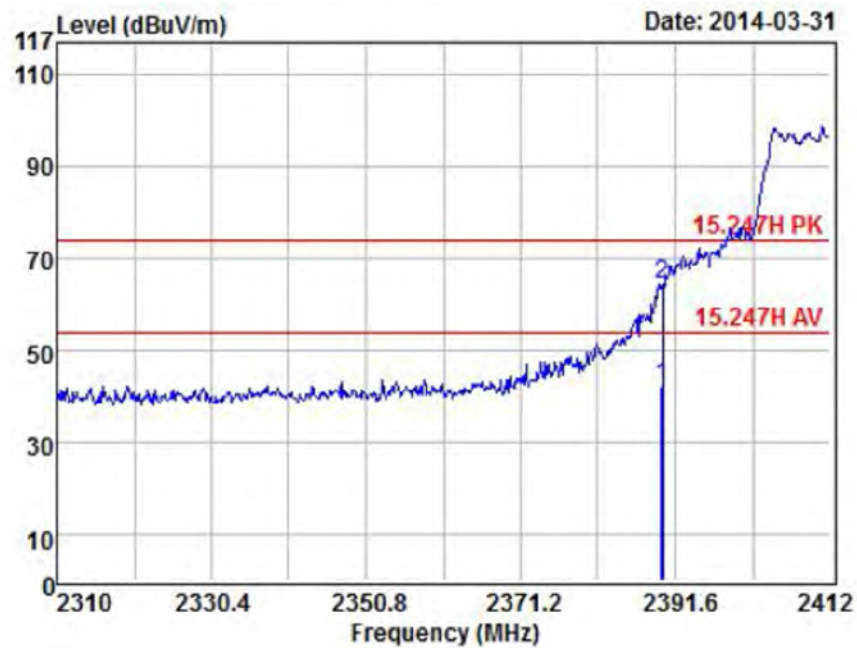


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11b CH11 (Dipole Antenna)

	Read	Limit	Over	
Freq	Level	Level	Factor	Line
MHz	dBuV	dBuV/m	dB/m	dBuV/m
1	2499.24	56.16	39.75	-16.41
				74.00
				-34.25
				Peak



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

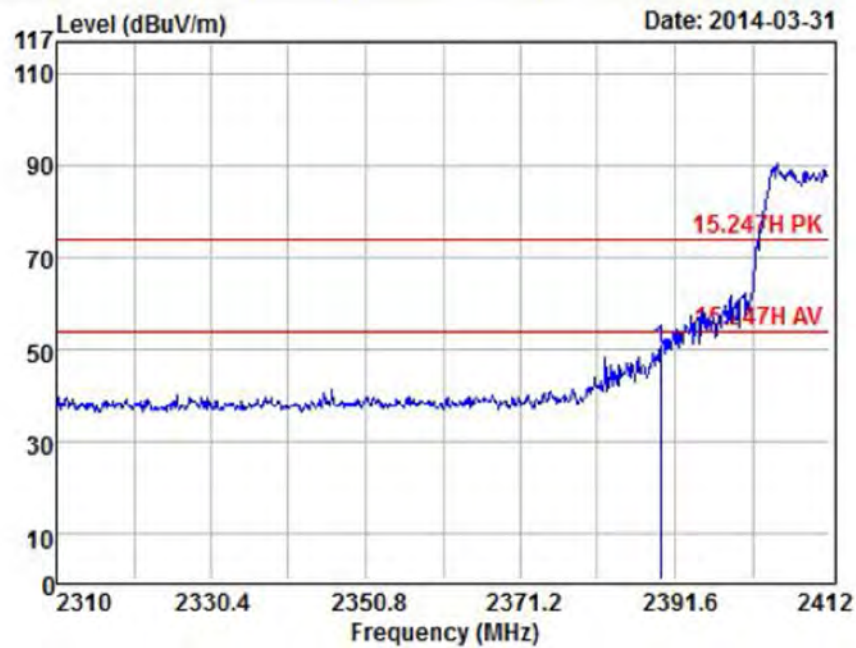


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g,CH1 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.80	59.10	42.40	-16.70	54.00	-11.60	Average
2	2389.97	81.27	64.57	-16.70	74.00	-9.43	Peak



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

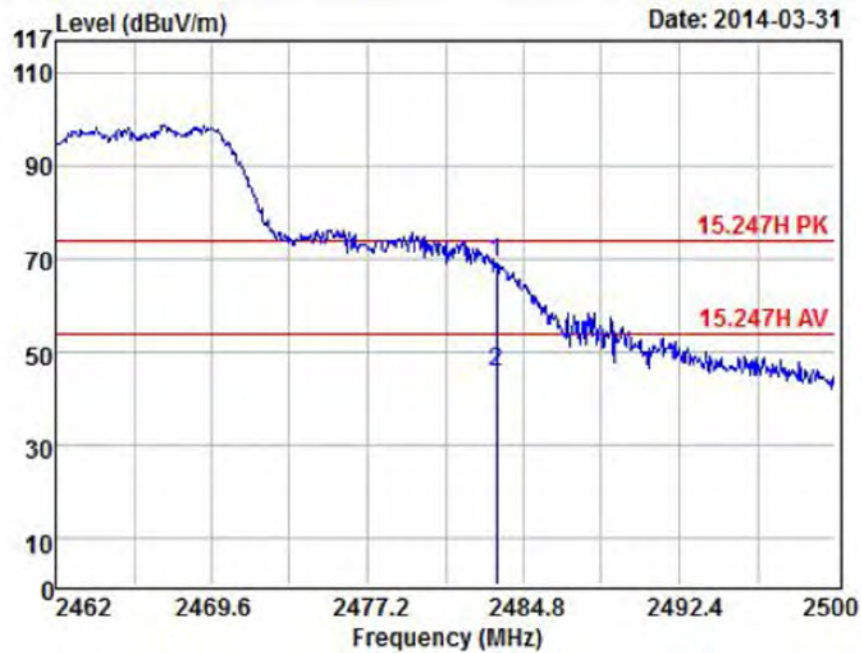


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH1 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.66	66.87	50.17	-16.70	74.00	-23.83	Peak



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

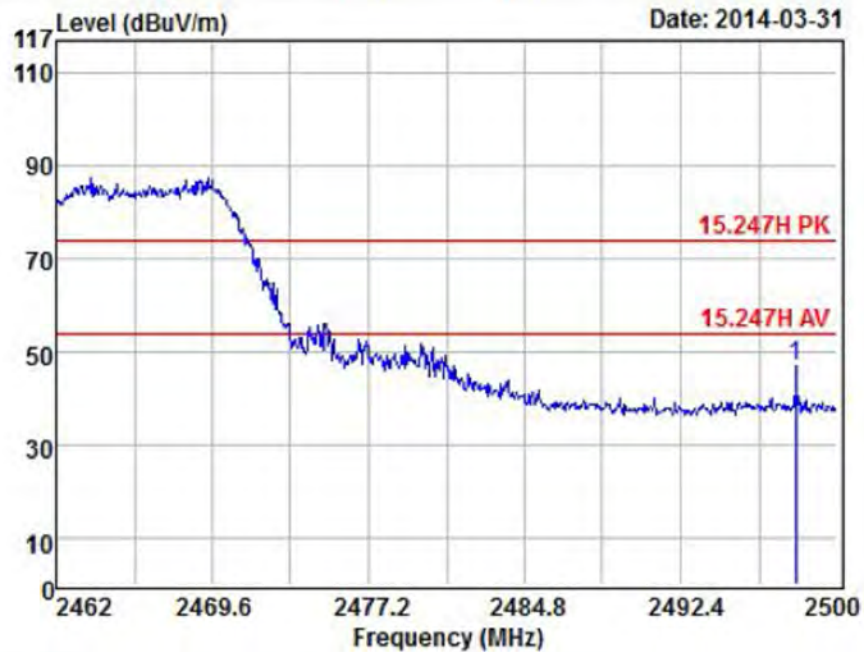


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g,CH11 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	85.77	69.32	-16.45	74.00	-4.68	Peak
2	2483.51	62.19	45.74	-16.45	54.00	-8.26	Average



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

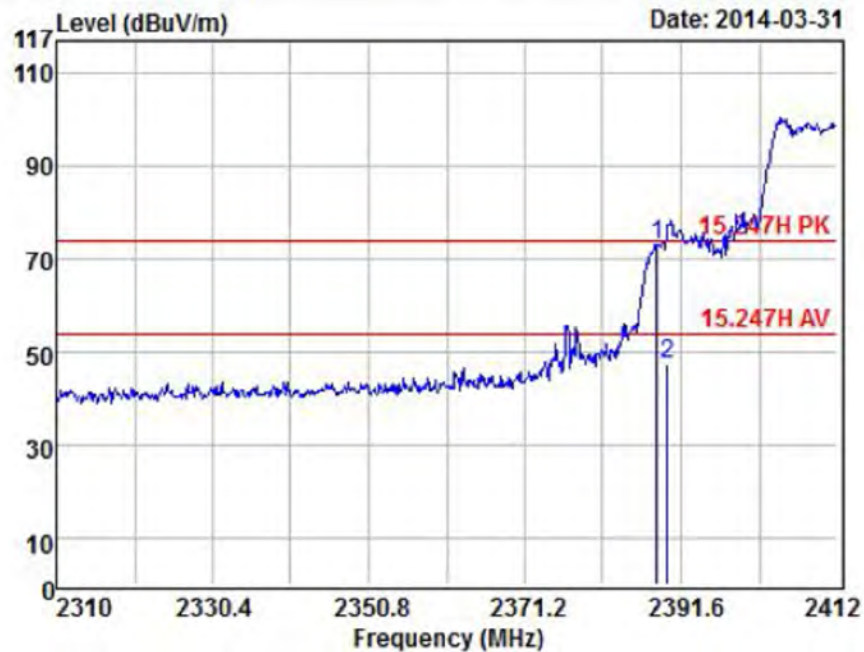


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH11 (Dipole Antenna)

		Read		Limit	Over	
	Freq	Level	Level	Factor	Line	Limit Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB
1	2498.02	63.19	46.78	-16.41	74.00	-27.22 Peak



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

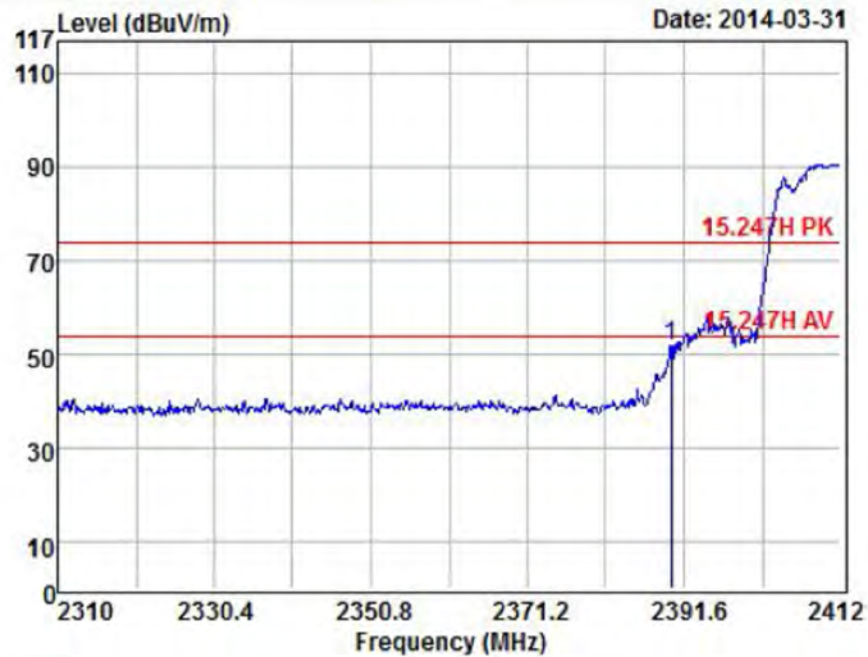


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH1 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2388.54	89.88	73.18	-16.70	74.00	-0.82	Peak
2	2389.80	64.20	47.50	-16.70	54.00	-6.50	Average



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

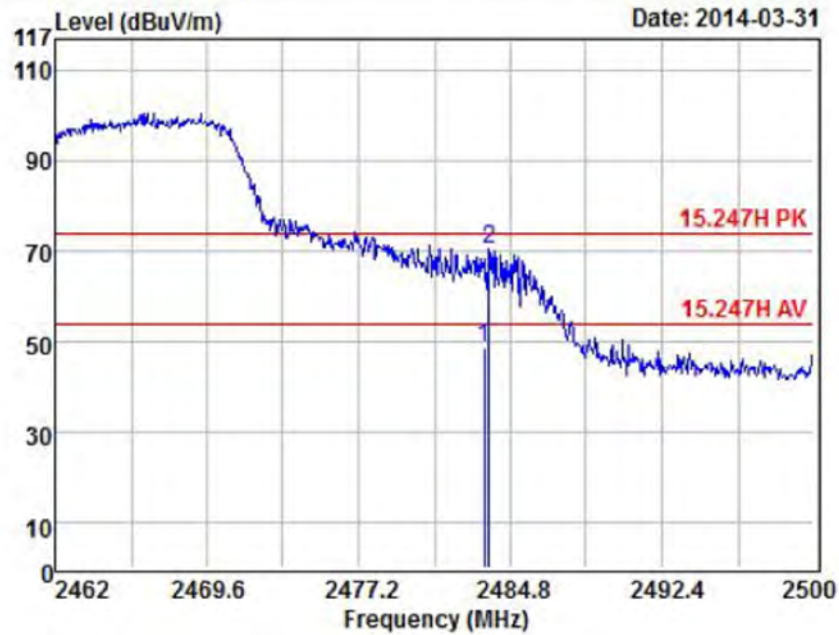
mode : Transmit

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	2389.97	68.64	51.94	-16.70	74.00	-22.06 Peak



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

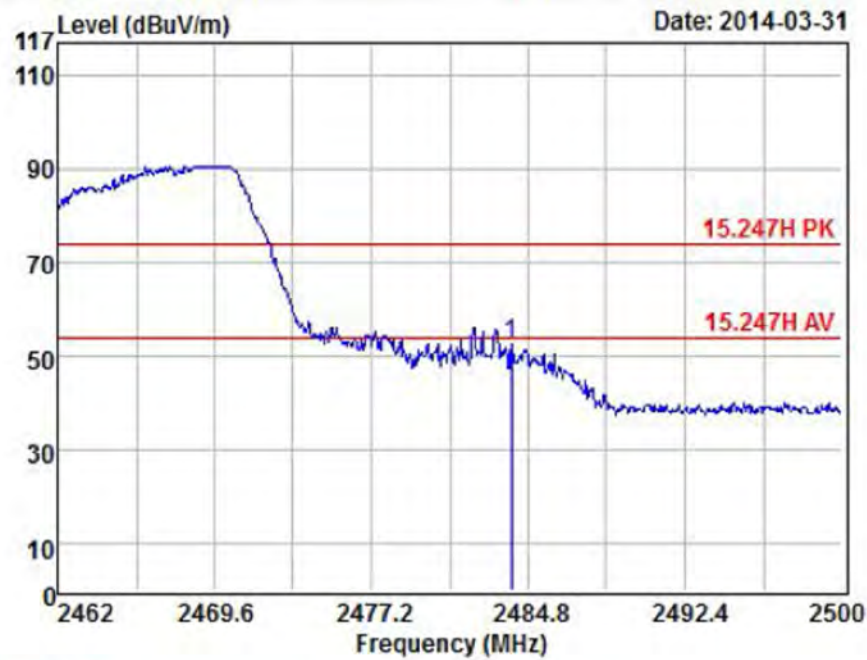


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH11 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	65.23	48.78	-16.45	54.00	-5.22	Average
2	2483.74	86.94	70.49	-16.45	74.00	-3.51	Peak



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

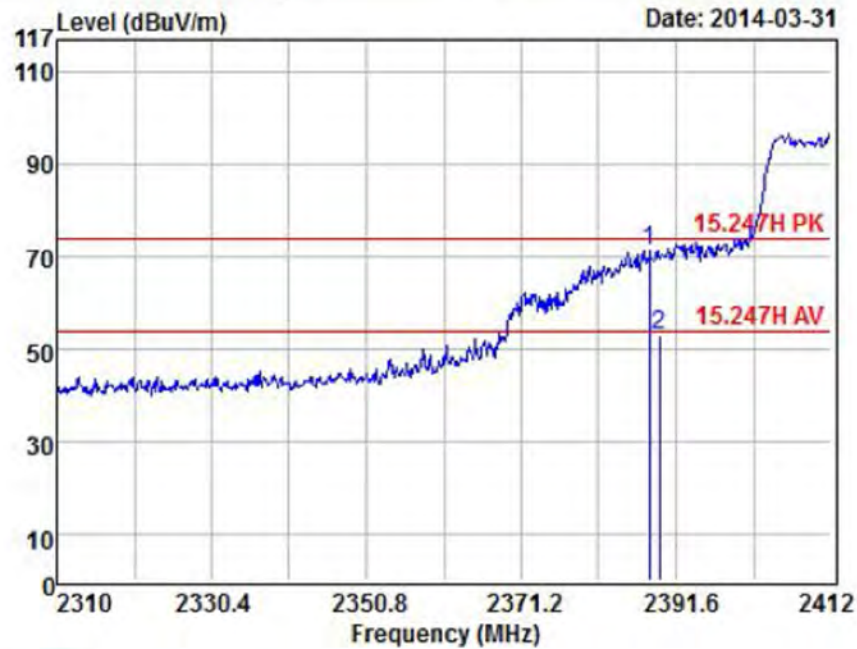


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH11 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.96	68.89	52.44	-16.45	74.00	-21.56	Peak



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

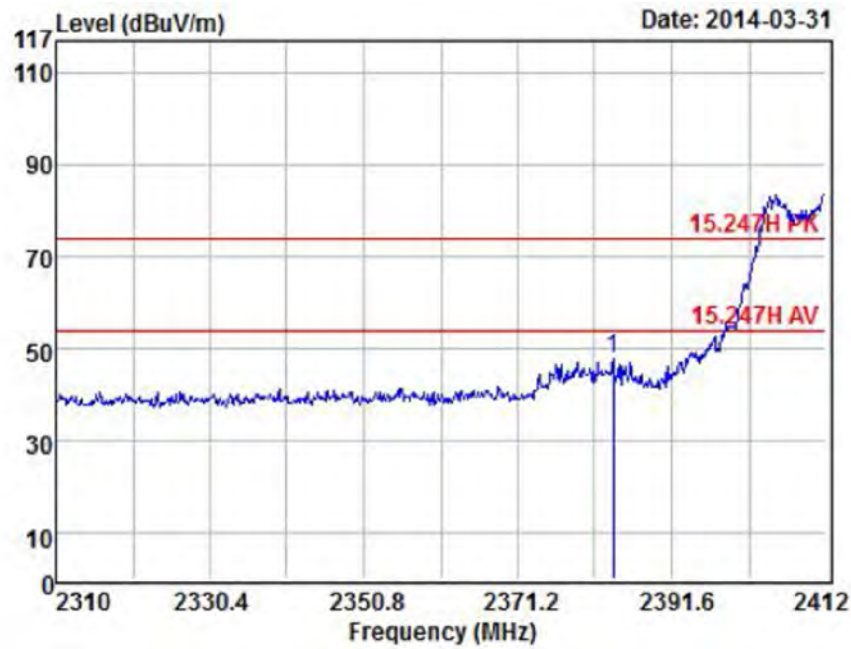


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH3 (Dipole Antenna)

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2388.13	87.91	71.21	-16.70	74.00	-2.79	Peak
2	2389.38	69.60	52.90	-16.70	54.00	-1.10	Average



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

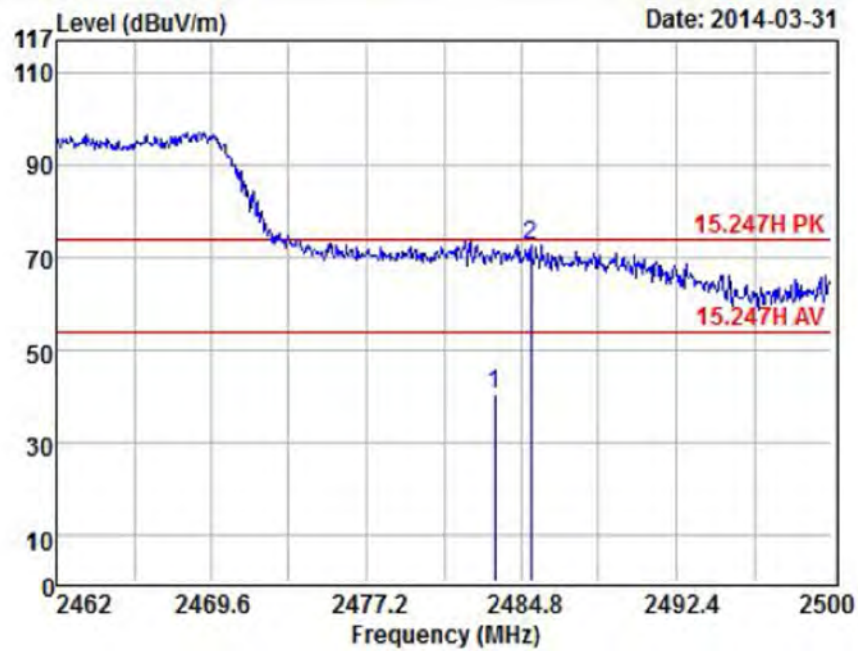
memo : 802.11n HT40 CH3 (Dipole Antenna)

	Read	Limit	Over	
Freq	Level	Level	Factor	Line
MHz	dBuV	dBuV/m	dB/m	dBuV/m

1	2383.85	64.36	47.64	-16.72	74.00	-26.36	Peak
---	---------	-------	-------	--------	-------	--------	------



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

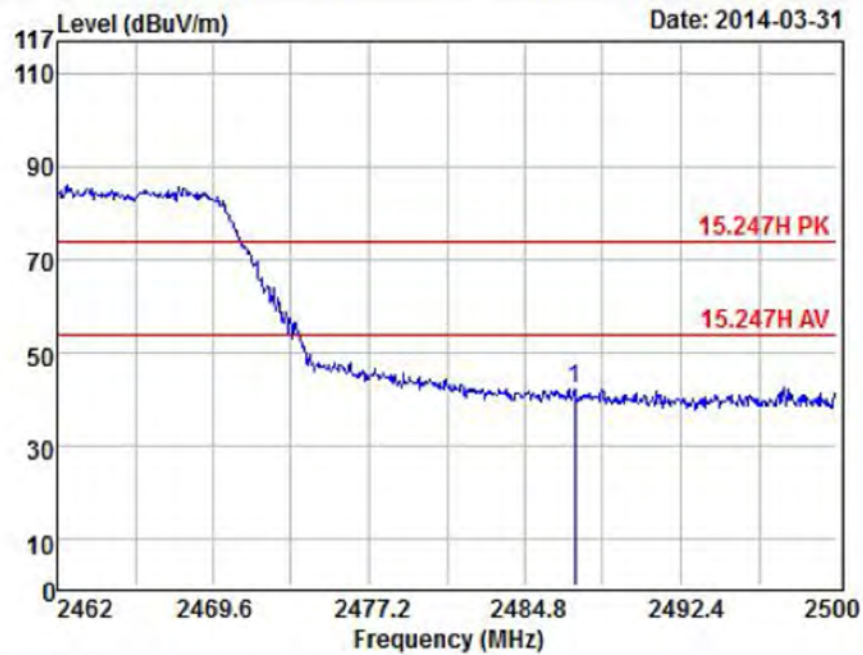


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH9 (Dipole Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	57.10	40.65	-16.45	54.00	-13.35	Average
2	2485.26	89.18	72.74	-16.44	74.00	-1.26	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

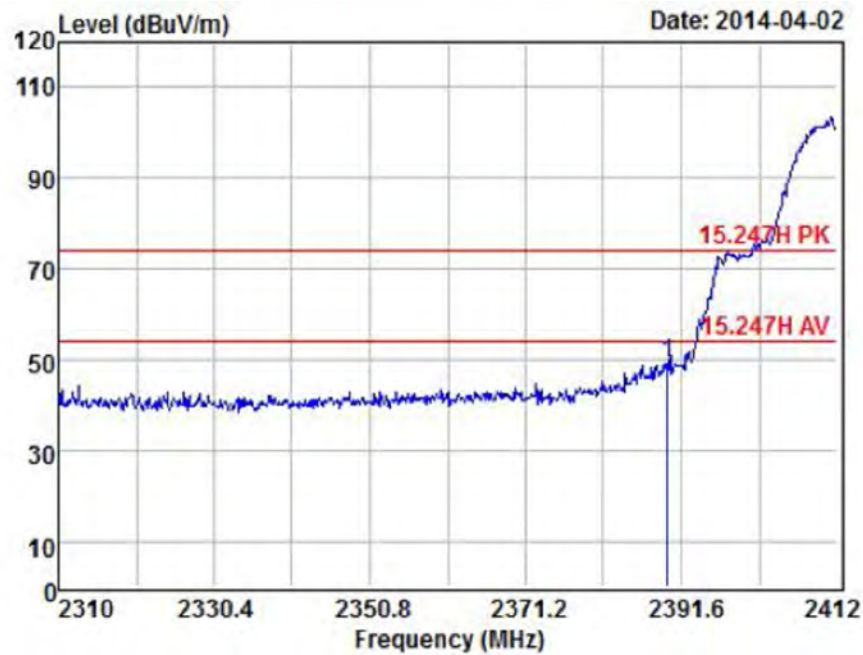
memo : 802.11n HT40 CH9 (Dipole Antenna)

	Read		Limit	Over	
Freq	Level	Level Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB

1	2487.23	58.72	42.28	-16.44	74.00	-31.72	Peak
---	---------	-------	-------	--------	-------	--------	------



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

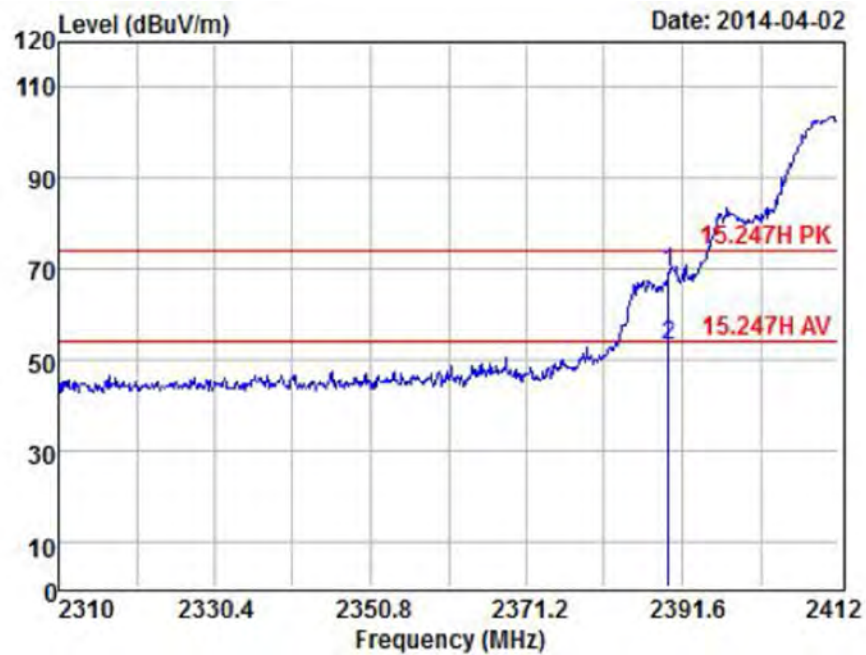


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11b CH1 (PCB Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.76	65.69	48.99	-16.70	74.00	-25.01 Peak



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

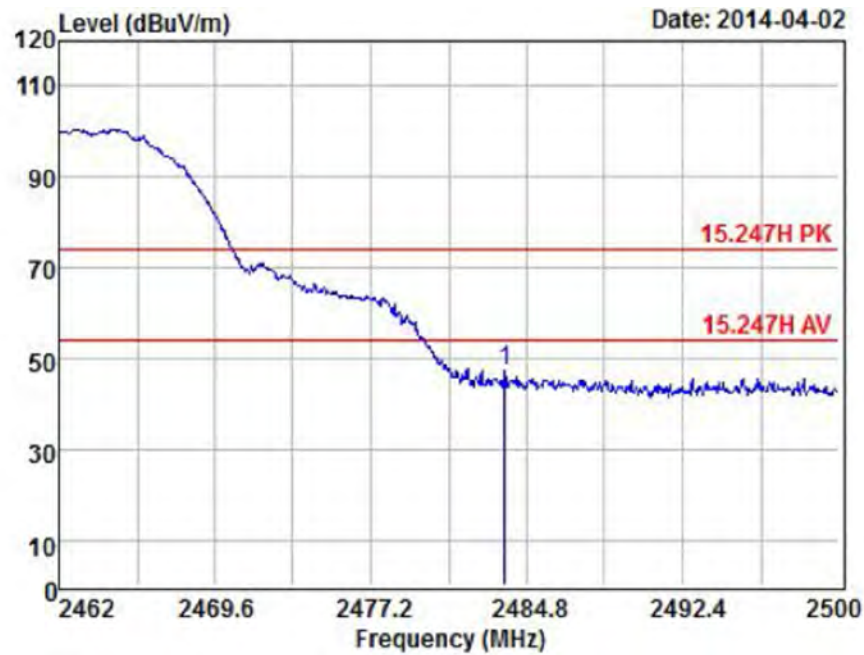


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11b CH1 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.76	85.69	68.99	-16.70	74.00	-5.01	Peak
2	2389.80	69.62	52.92	-16.70	54.00	-1.08	Average



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

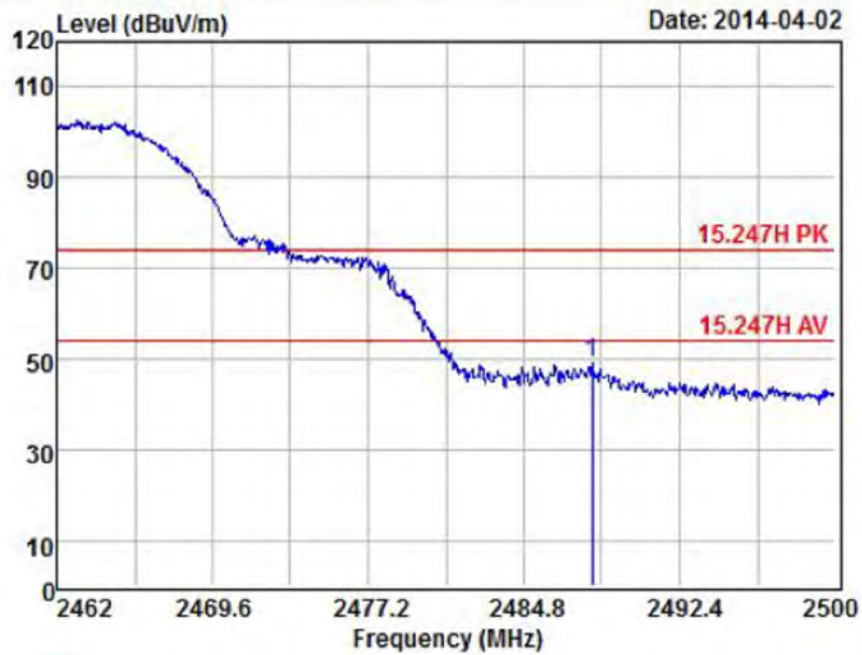


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
eut : 14010802
mode : Transmit
memo : 802.11b,CH11 (PCB Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.74	63.66	47.21	-16.45	74.00	-26.79 Peak



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

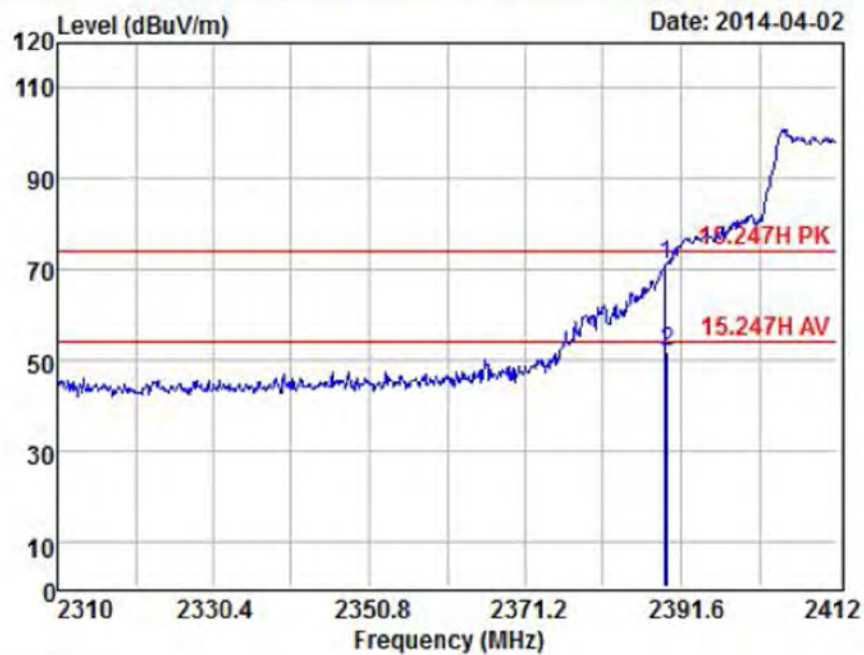


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11b CH11 (PCB Antenna)

	Read			Limit	Over	
Freq	Level	Level	Factor	Line	Limit	Remark
MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2488.14	65.30	48.86	-16.44	74.00	-25.14 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

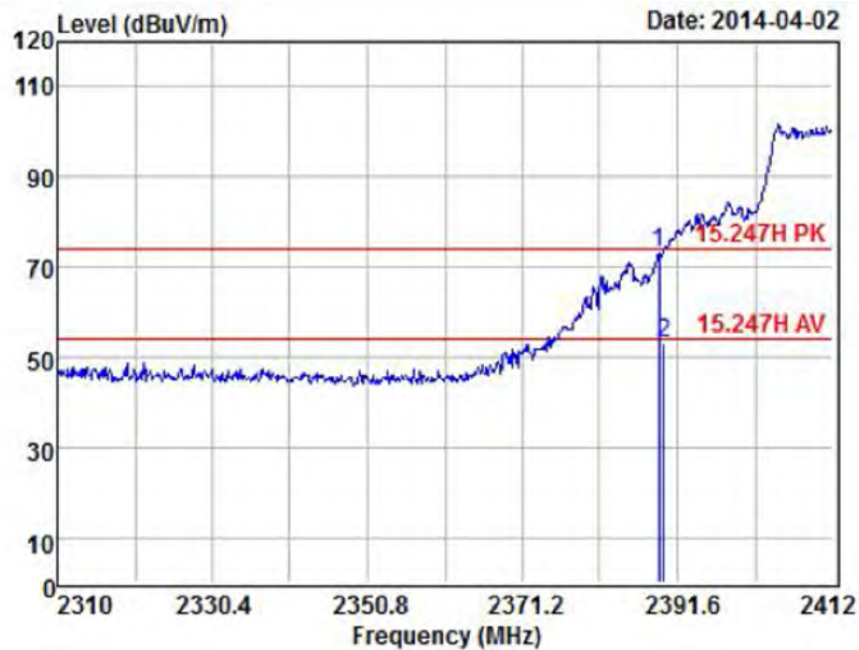
mode : Transmit

memo : 802.11g CH1 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.56	87.58	70.88	-16.70	74.00	-3.12	Peak
2	2389.80	68.59	51.89	-16.70	54.00	-2.11	Average



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

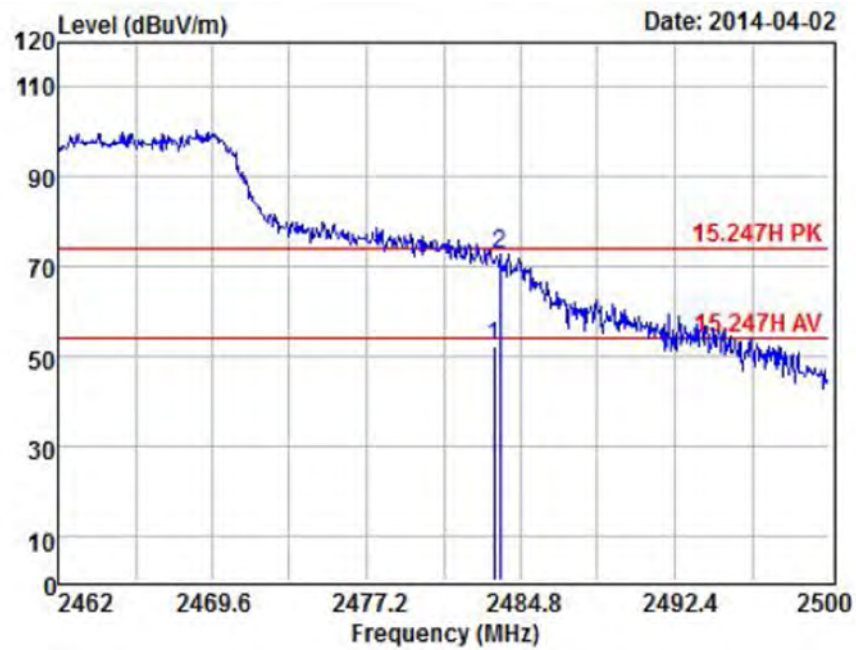


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11g CH1 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.15	89.69	72.99	-16.70	74.00	-1.01	Peak
2	2389.80	69.68	52.98	-16.70	54.00	-1.02	Average



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

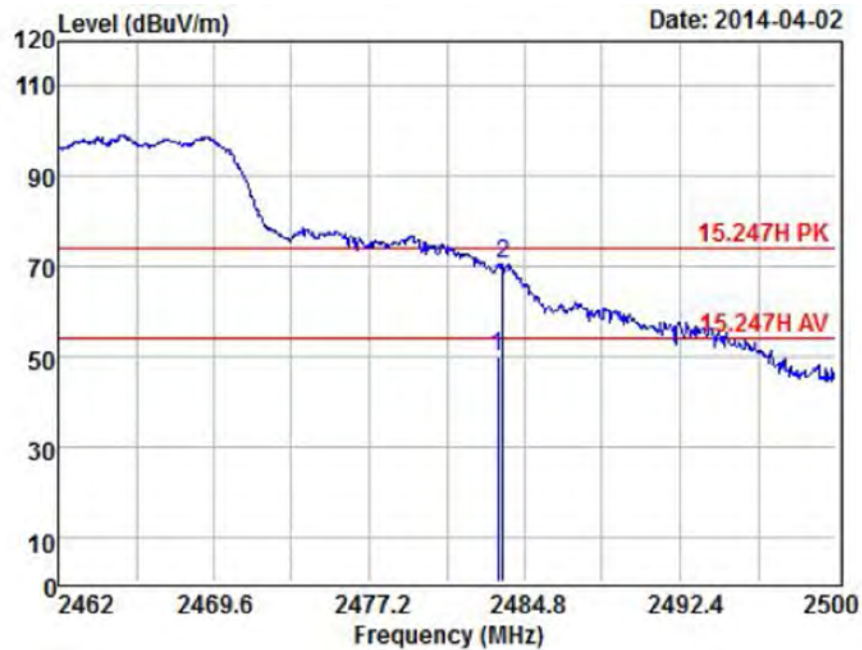


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH11 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	68.47	52.02	-16.45	54.00	-1.98	Average
2	2483.81	89.22	72.77	-16.45	74.00	-1.23	Peak



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

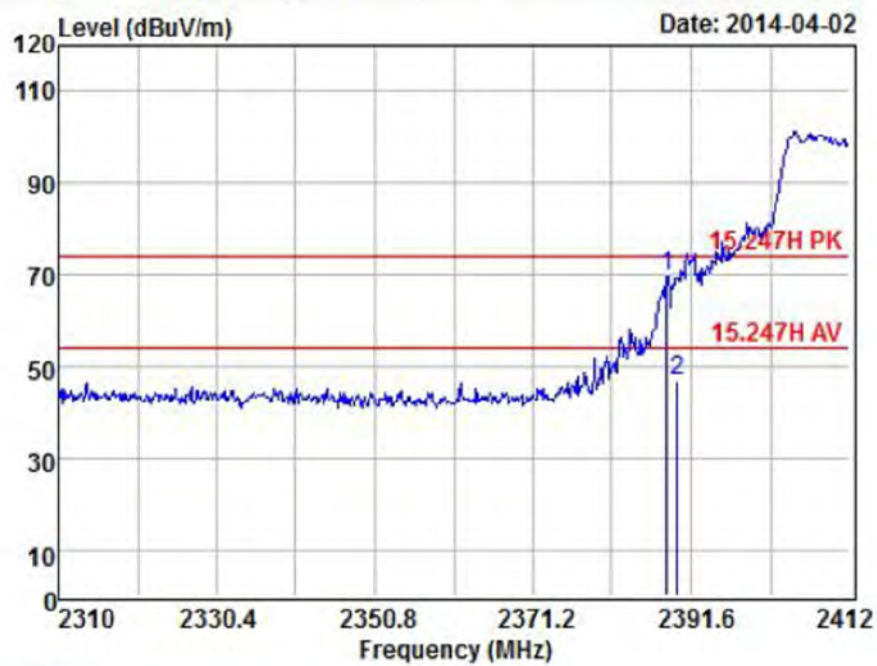


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11g CH11 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	66.62	50.17	-16.45	54.00	-3.83	Average
2	2483.74	87.02	70.57	-16.45	74.00	-3.43	Peak



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

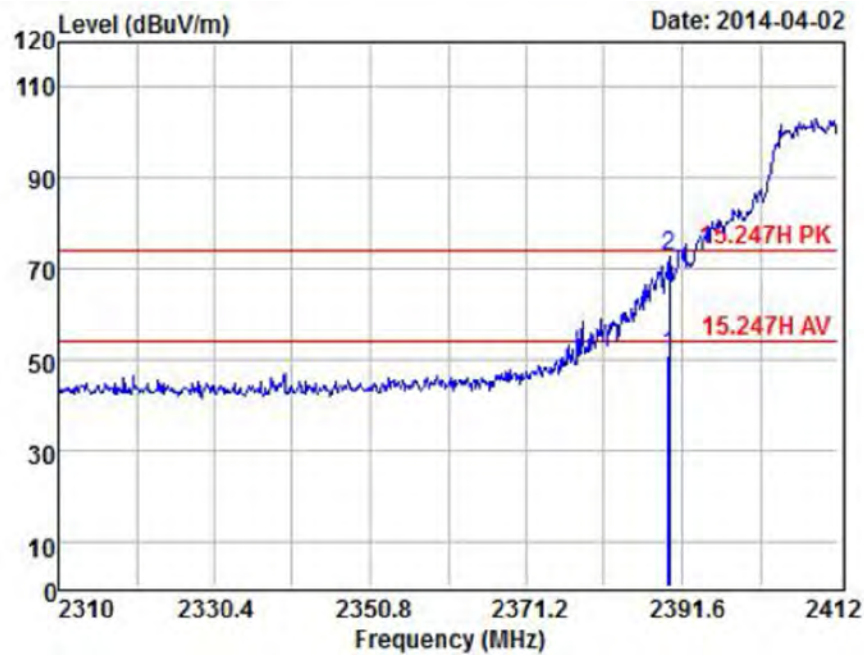


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH1 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2388.54	86.33	69.63	-16.70	74.00	-4.37	Peak
2	2389.80	63.70	47.00	-16.70	54.00	-7.00	Average



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

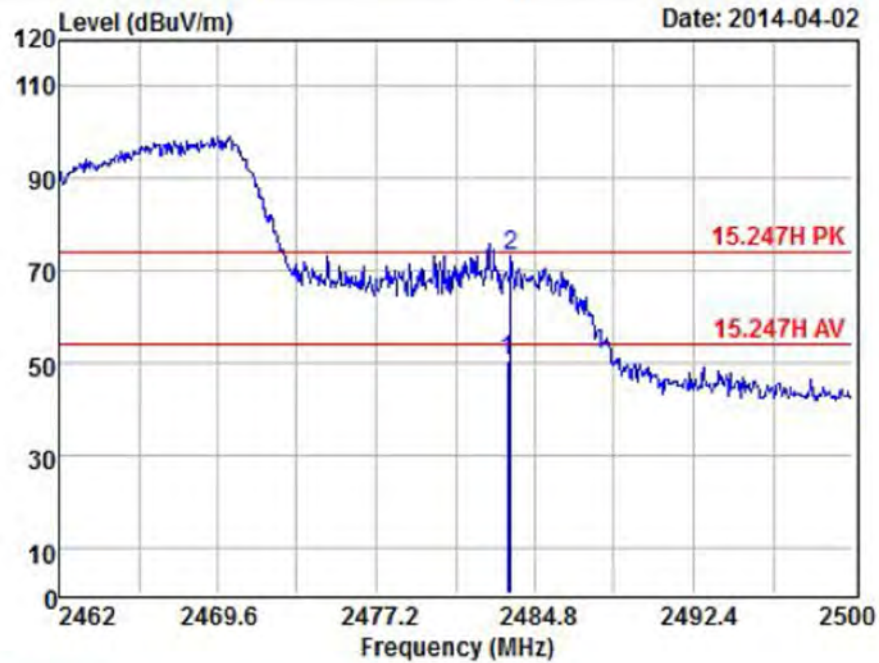


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT20 CH1 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2389.80	67.45	50.75	-16.70	54.00	-3.25	Average
2	2389.97	89.39	72.69	-16.70	74.00	-1.31	Peak



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

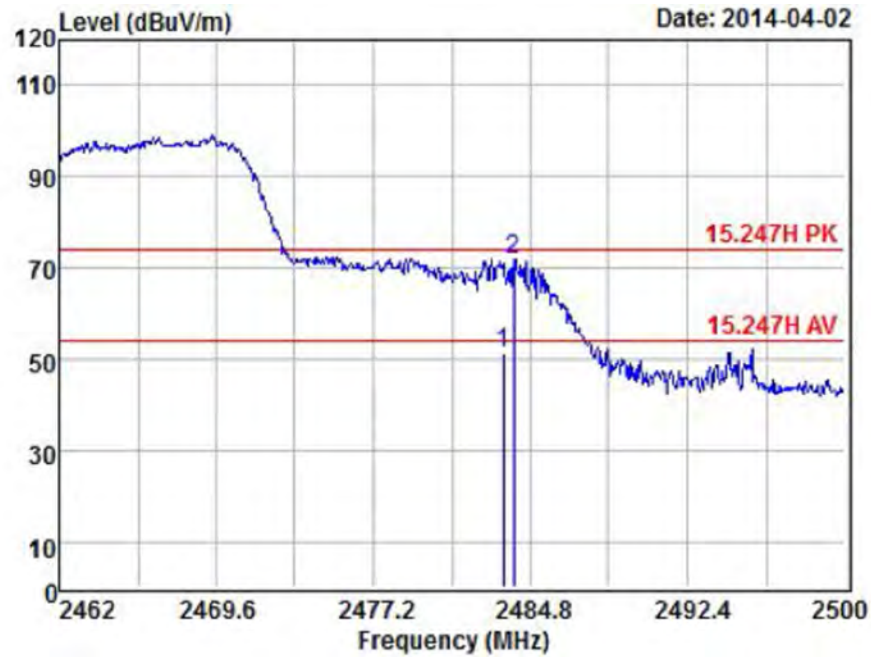


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH11 (PCB Antenna)

		Read		Limit	Over	
	Freq	Level	Level Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB
1	2483.51	66.87	50.42	-16.45	54.00	-3.58 Average
2	2483.66	89.41	72.96	-16.45	74.00	-1.04 Peak



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

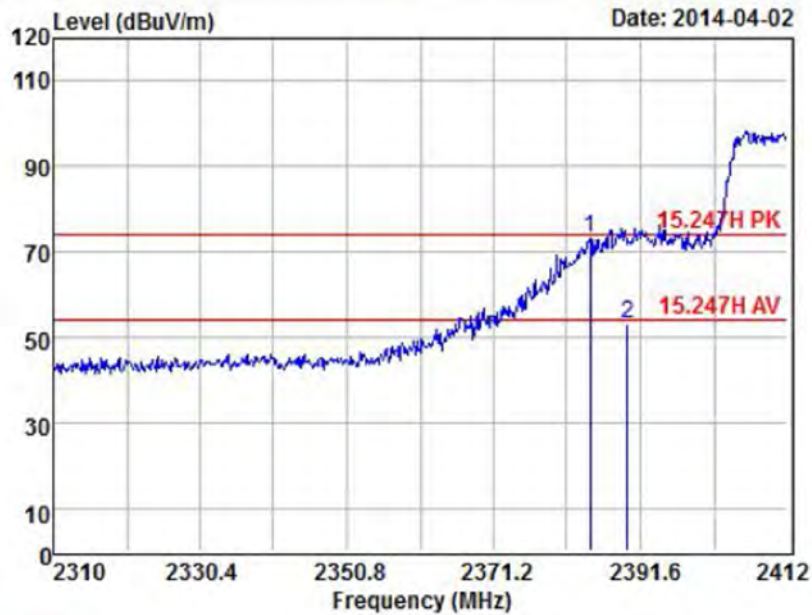


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT20 CH11 (PCB Antenna)

		Read		Limit	Over	
	Freq	Level	Level Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB
1	2483.51	67.78	51.33	-16.45	54.00	-2.67 Average
2	2483.96	88.36	71.91	-16.45	74.00	-2.09 Peak



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

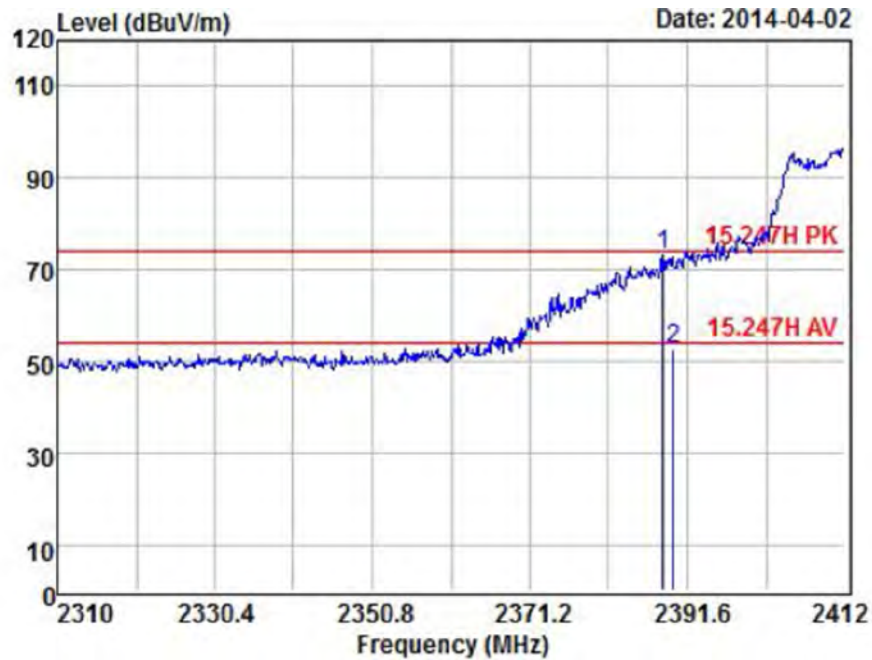


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH3 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2384.66	89.84	73.12	-16.72	74.00	-0.88	Peak
2	2389.80	69.71	53.01	-16.70	54.00	-0.99	Average



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

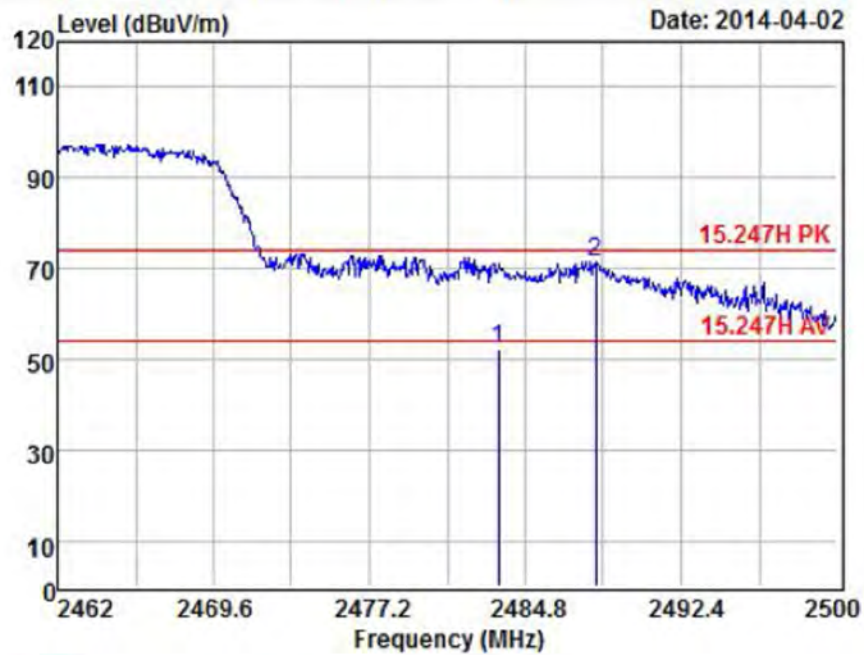


Site : OPEN SITE
Condition: 15.247H PK 3m AH118(1-18)103 HORIZONTAL
eut : 14010802
mode : Transmit
memo : 802.11n HT40 CH3 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2388.54	89.66	72.96	-16.70	74.00	-1.04	Peak
2	2389.80	69.13	52.43	-16.70	54.00	-1.57	Average



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

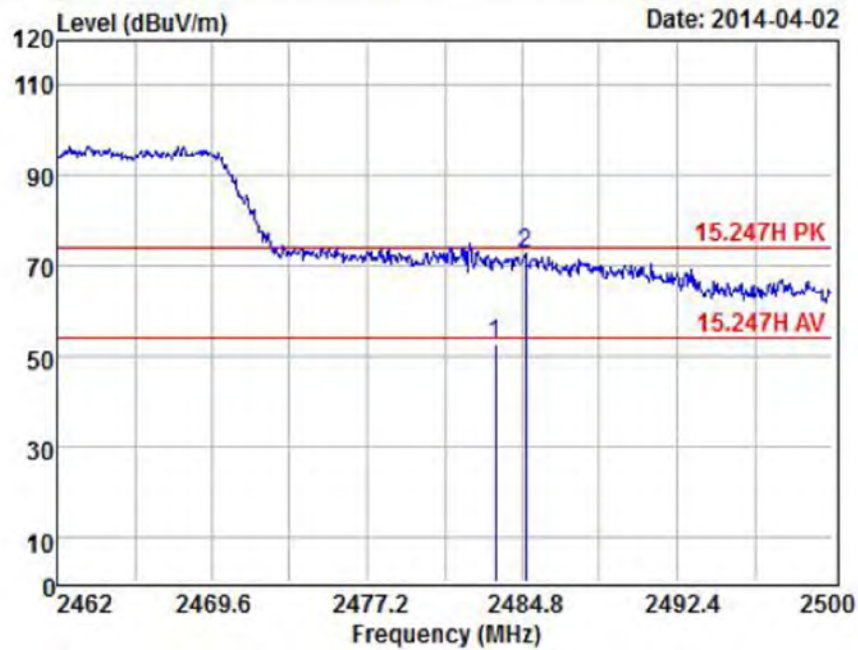


Site : OPEN SITE
 Condition: 15.247H PK 3m AH118(1-18)103 VERTICAL
 eut : 14010802
 mode : Transmit
 memo : 802.11n HT40 CH9 (PCB Antenna)

		Read			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	68.73	52.28	-16.45	54.00	-1.72	Average
2	2488.22	88.00	71.56	-16.44	74.00	-2.44	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			Limit	Over	
	Freq	Level	Level	Factor	Line	Limit	Remark
	MHz	dBuV	dBuV/m	dB/m	dBuV/m	dB	
1	2483.51	69.28	52.83	-16.45	54.00	-1.17	Average
2	2484.95	88.97	72.52	-16.45	74.00	-1.48	Peak



12. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

12.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

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.