EMC
TEST REPORT

Report No. : EME-070714/01
Model No. : GLM-200
Issued Date : May 05, 2008

Applicant : **Alpha Networks Inc.**
No.8 Li-shing 7th Rd., Science-based Industrial Park, Hsinchu, Taiwan

Test Method/ Standard : **FCC Part 15 Subpart C Section §15.205、§15.207、§15.209、§15.247 and ANSI C63.4/2003.**

Test By : **Intertek Testing Services Taiwan Ltd.**
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Summary of Tests

wireless card-Model: GLM-200
FCC ID: RRK20070821-1

Test	Reference	Results
Radiated Spurious Emission test	15.205, 15.209	Pass
Emission on the Band Edge test	15.247(d)	Pass

1. General information

1.1 Identification of the EUT

Applicant	Alpha Networks Inc.
Product	wireless card
Model No.	GLM-200
FCC ID.	RRK20070821-1
Frequency Range	2412MHz ~ 2462MHz
Channel Number	11 channels
Frequency of Each Channel	2412MHz, 2417MHz, 2422MHz, 2427MHz, 2432MHz, 2437MHz, 2442MHz, 2447MHz, 2452MHz, 2457MHz, 2462MHz
Type of Modulation	DSSS, OFDM
Rated Power	3.3Vdc from Notebook PC
Power Cord	N/A
Sample Received	Apr. 15, 2008
Test Date(s)	Apr. 21, 2008
Note 1:	This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

1.2 Additional information about the EUT

The EUT is a wireless card, and was defined as information technology equipment.

The EUT meets special requirements for full modular approval on FCC Public Notice DA 00-1407 and the device is only for OEM integrator, please refer the test result in this report

Modification (01) to test report No. EME-070714 (Verification No.: EME-070714)
The original Test Report Ref. No. EME-070714, dated Sep. 06, 2007 was modified on Apr. 25, 2008 to include the following changes and/or additions, which were considered technical modifications:

Add two antennas.

After engineering judgment, two tests were considered necessary. See the “Test summary”.

For more detail features, please refer to User's manual as file name “Installation guide.pdf”

1.3 Antenna description

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain : 1.8dBi max
Antenna Type : Dipole antenna
Connector Type : SMA Plug Reverse

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain : 0dBi max
Antenna Type : PCB antenna
Connector Type : MHF connector

1.4 Peripherals equipment

Peripherals	Manufacturer	Product No.	Serial No.	FCC ID
Notebook PC	DELL	Latitude D610	3YWZK1S	FCC DoC Approved

2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 Subpart C Section § 15.205、§15.207、§15.209、§15.247 and ANSI C63.4/2003.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

2.2 Operation mode

Plug the EUT into Notebook PC via PCMCIA extension card, then turn on the Notebook PC power and run the test program “QA” under windows OS, which provide by manufacturer.

With individual verifying, the maximum output power was found at 1Mbps data rate for 802.11b mode and 6Mbps data rate for 802.11g mode. The final tests were executed under these conditions and recorded in this report individually.

2.3 Test equipment

Equipment	Brand	Frequency range	Model No.
EMI Test Receiver	Rohde & Schwarz	9kHz~2.75GHz	ESCS 30
Spectrum Analyzer	Rohde & Schwarz	9kHz~30GHz	FSP 30
Spectrum Analyzer	Rohde & Schwarz	20Hz~40GHz	FSEK 30
Horn Antenna	SCHWARZBECK	1GHz~18GHz	BBHA 9120 D
Horn Antenna	SCHWARZBECK	14GHz~40GHz	BBHA 9170
Bilog Antenna	SCHWARZBECK	25MHz~1.7GHz	VULB 9168
Pre-Amplifier	MITEQ	100MHz~26.5GHz	919981
Pre-Amplifier	MITEQ	26GHz~40GHz	828825
Wideband Peak Power Meter/ Sensor	Anritsu	100MHz~18GHz	ML2487A/ MA2491A
Controller	HDGmbH	N/A	HD 100
Antenna Tower	HDGmbH	N/A	MA 240
Turn Table	HDGmbH	N/A	DS 420S
LISN	Rohde & Schwarz	9KHz~30MHz	ESH3-Z5

Note: The above equipments are within the valid calibration period.

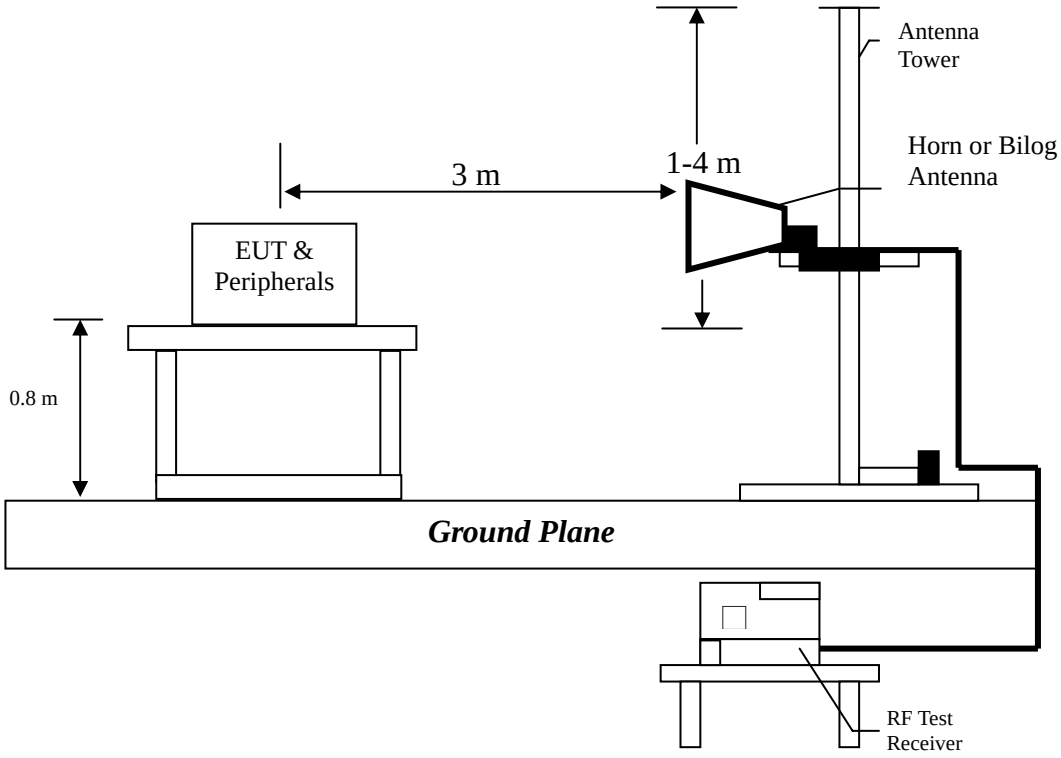
3. Radiated Emission test

3.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure:	1023	hPa

3.2 Test setup & procedure

The Diagram below shows the test setup, which is utilized to make these measurements.



The frequency range from 30MHz to 1000MHz using Bilog Antenna.
The frequency range over 1GHz using Horn Antenna.

Radiated emissions were invested cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 10Hz VBW record Average reading. (15.209 paragraph), the Peak reading (1MHz RBW/VBW) recorded also on the report.
The EUT for testing is arranged on a wooden turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent 3 meter reading using inverse scaling with distance.

The EUT configuration please refer to the "Spurious set-up photo.pdf".

3.3 Emission limits

The spurious Emission shall test through the 10th harmonic. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Frequency (MHz)	Limits (dB μ V/m@3m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

Remark:
1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Uncertainty was calculated in accordance with NAMAS NIS 81.
Expanded uncertainty (k=2) of radiated emission measurement is ±4.98 dB.

3.4 Radiated spurious emission test data

3.4.1 Measurement results: frequencies equal to or less than 1 GHz

The test was performed on EUT under 802.11b and 802.11g continuously transmitting mode. Channel 1, 6, 11 were verified. The worst case occurred at 802.11b Tx channel 1.

EUT : GLM-200
Worst Case : 802.11b Tx at channel 1 with Dipole antenna

Antenna Polariz. (V/H)	Freq. (MHz)	Receiver Detector	Corr. Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
V	98.870	QP	7.38	30.68	38.06	43.50	-5.45
V	132.820	QP	11.39	23.21	34.60	43.50	-8.90
V	165.800	QP	15.70	27.59	43.29	43.50	-0.21
V	198.780	QP	12.00	26.84	38.84	43.50	-4.66
V	265.710	QP	12.76	25.75	38.51	46.00	-7.49
V	398.600	QP	16.40	20.44	36.84	46.00	-9.16
H	431.580	QP	18.12	14.38	32.50	46.00	-13.50
H	464.560	QP	18.16	15.97	34.13	46.00	-11.87
H	497.540	QP	18.64	11.07	29.71	46.00	-16.29
H	797.270	QP	23.52	13.93	37.45	46.00	-8.55
H	930.160	QP	25.33	10.70	36.03	46.00	-9.97
H	996.120	QP	25.83	13.50	39.33	54.00	-14.68

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor

The test was performed on EUT under 802.11b and 802.11g continuously transmitting mode. Channel 1, 6, 11 were verified. The worst case occurred at 802.11b Tx channel 1.

EUT : GLM-200
Worst Case : 802.11b Tx at channel 1 with PCB antenna

Antenna Polariz. (V/H)	Freq. (MHz)	Receiver Detector	Corr. Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
V	32.910	QP	12.60	22.08	34.68	40.00	-5.33
V	143.490	QP	14.27	19.31	33.58	43.50	-9.92
V	183.260	QP	13.10	22.27	35.37	43.50	-8.14
V	232.730	QP	12.18	24.86	37.04	46.00	-8.96
V	249.220	QP	12.22	23.67	35.89	46.00	-10.12
V	365.620	QP	15.06	14.42	29.48	46.00	-16.52
H	141.550	QP	13.24	19.98	33.22	43.50	-10.29
H	231.760	QP	11.74	29.23	40.97	46.00	-5.03
H	249.220	QP	12.36	29.56	41.92	46.00	-4.08
H	365.620	QP	15.48	21.68	37.16	46.00	-8.85
H	431.580	QP	18.12	19.67	37.79	46.00	-8.21
H	531.490	QP	19.65	15.33	34.98	46.00	-11.02

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor

3.4.2 Measurement results: frequency above 1GHz

EUT : GLM-200
Test Condition : 802.11b Tx at channel 1 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3210.00	PK	V	35.54	34.62	44.78	43.86	54	-10.14
4824.00	PK	V	36.07	37.77	39.36	41.06	54	-12.94
4824.00	PK	H	36.07	37.77	37.79	39.49	54	-14.51

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11b Tx at channel 6 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3240.00	PK	V	35.54	34.62	44.00	43.08	54	-10.92
4874.00	PK	V	36.07	37.77	38.36	40.06	54	-13.94
4874.00	PK	H	36.07	37.77	38.50	40.20	54	-13.80

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11b Tx at channel 11 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3270.00	PK	V	35.54	34.62	46.78	45.86	54	-8.14
4924.00	PK	V	36.07	37.77	37.80	39.50	54	-14.50
4924.00	PK	H	36.07	37.77	38.85	40.55	54	-13.45

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 1 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3210.00	PK	V	35.54	34.62	43.50	42.58	54	-11.42
4824.00	PK	V	36.07	37.77	37.70	39.40	54	-14.60
4824.00	PK	H	36.07	37.77	38.63	40.33	54	-13.67

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 6 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3240.00	PK	V	35.54	34.62	45.28	44.36	54	-9.64
4874.00	PK	V	36.07	37.77	38.35	40.05	54	-13.95
4874.00	PK	H	36.07	37.77	38.88	40.58	54	-13.42

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 11 with Dipole antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
3270.00	PK	V	35.54	34.62	45.31	44.39	54	-9.61
4924.00	PK	V	36.07	37.77	38.70	40.40	54	-13.60
4924.00	PK	H	36.07	37.77	38.75	40.45	54	-13.55

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11b Tx at channel 1 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4824.00	PK	V	36.07	37.77	37.71	39.41	54	-14.59
4824.00	PK	H	36.07	37.77	38.20	39.90	54	-14.10

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11b Tx at channel 6 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4874.00	PK	V	36.07	37.77	38.01	39.71	54	-14.29
4874.00	PK	H	36.07	37.77	37.88	39.58	54	-14.42

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11b Tx at channel 11 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4924.00	PK	V	36.07	37.77	37.86	39.56	54	-14.44
4924.00	PK	H	36.07	37.77	37.45	39.15	54	-14.85

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 1 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4824.00	PK	V	36.07	37.77	37.71	39.41	54	-14.59
4824.00	PK	H	36.07	37.77	37.88	39.58	54	-14.42

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 6 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4874.00	PK	V	36.07	37.77	38.88	40.58	54	-13.42
4874.00	PK	H	36.07	37.77	38.11	39.81	54	-14.19

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

EUT : GLM-200
Test Condition : 802.11g Tx at channel 11 with PCB antenna

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp. Gain (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4924.00	PK	V	36.07	37.77	37.98	39.68	54	-14.32
4924.00	PK	H	36.07	37.77	37.71	39.41	54	-14.59

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain
3. The frequency measured ranges from 1GHz to 25GHz.The data value listed above which is higher than the noise floor, the others please refer to noise floor level.

4. Emission on the band edge

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 20 dB below that in the 100 KHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Radiated emissions, which fall in the restricted band, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

4.1 Operating environment

Temperature:	25	℃
Relative Humidity:	56	%
Atmospheric Pressure	1023	hPa

4.2 Test setup & procedure

Please refer to the clause 6.2 of this report.

4.3 Test Result

Dipole antenna
Test Mode: 802.11b mode

Channel	Measurement Freq.Band (MHz)	Detector	The Max. Field Strength in Restrict Band (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
1 (lowest)	2310-2390	PK	60.81	74	-13.19
		AV	49.99	54	-4.01
11 (highest)	2483.5-2500	PK	60.60	74	-13.40
		AV	49.01	54	-4.99

Test Mode: 802.11g mode

Channel	Measurement Freq.Band (MHz)	Detector	The Max. Field Strength in Restrict Band (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
1 (lowest)	2310-2390	PK	60.76	74	-13.24
		AV	48.72	54	-5.28
11 (highest)	2483.5-2500	PK	62.40	74	-11.60
		AV	48.81	54	-5.19

PCB antenna
Test Mode: 802.11b mode

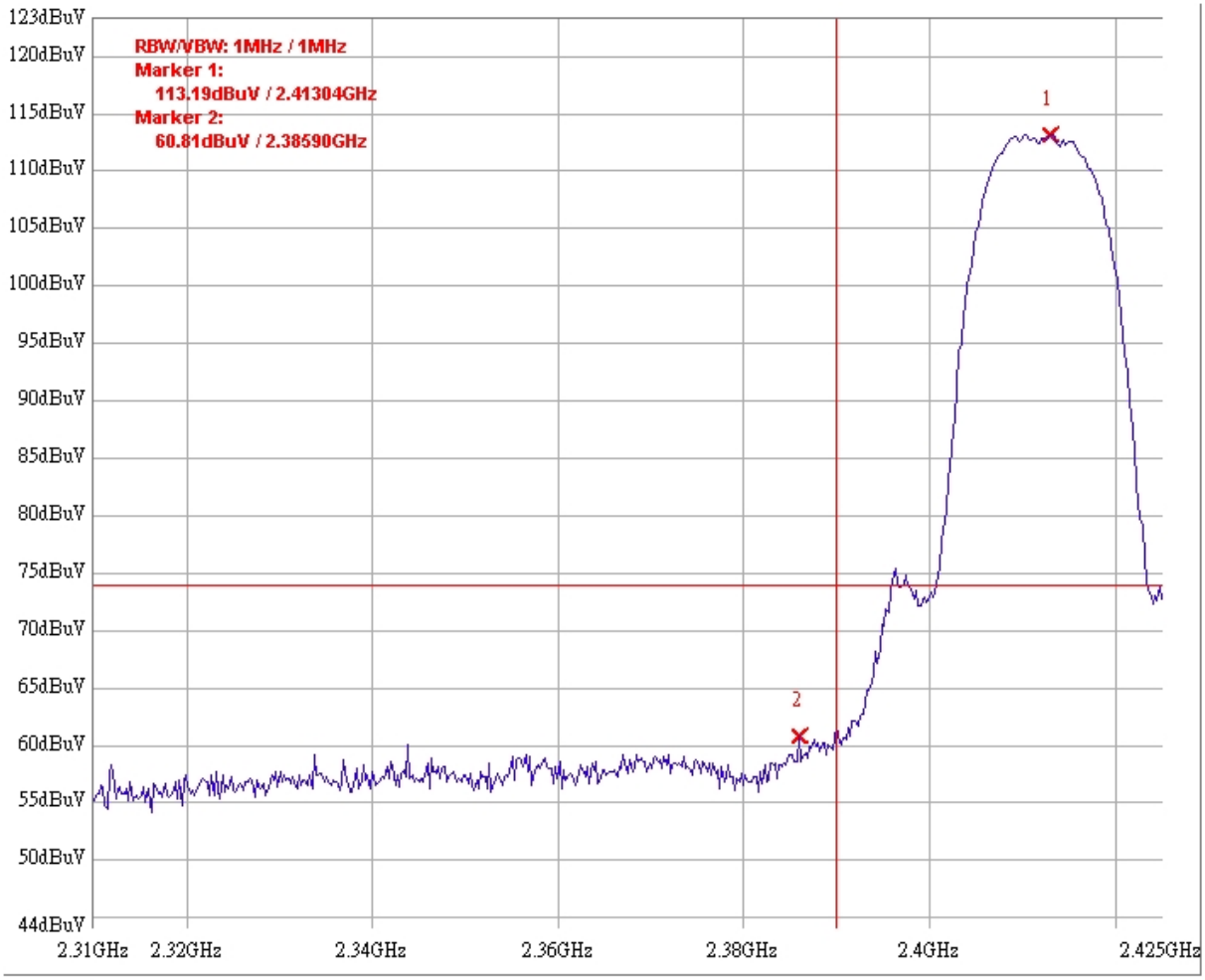
Channel	Measurement Freq.Band (MHz)	Detector	The Max. Field Strength in Restrict Band (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
1 (lowest)	2310-2390	PK	58.34	74	-15.66
		AV	46.93	54	-7.07
11 (highest)	2483.5-2500	PK	59.40	74	-14.60
		AV	47.64	54	-6.36

Test Mode: 802.11g mode

Channel	Measurement Freq.Band (MHz)	Detector	The Max. Field Strength in Restrict Band (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
1 (lowest)	2310-2390	PK	57.40	74	-16.60
		AV	46.22	54	-7.78
11 (highest)	2483.5-2500	PK	58.87	74	-15.13
		AV	47.16	54	-6.84

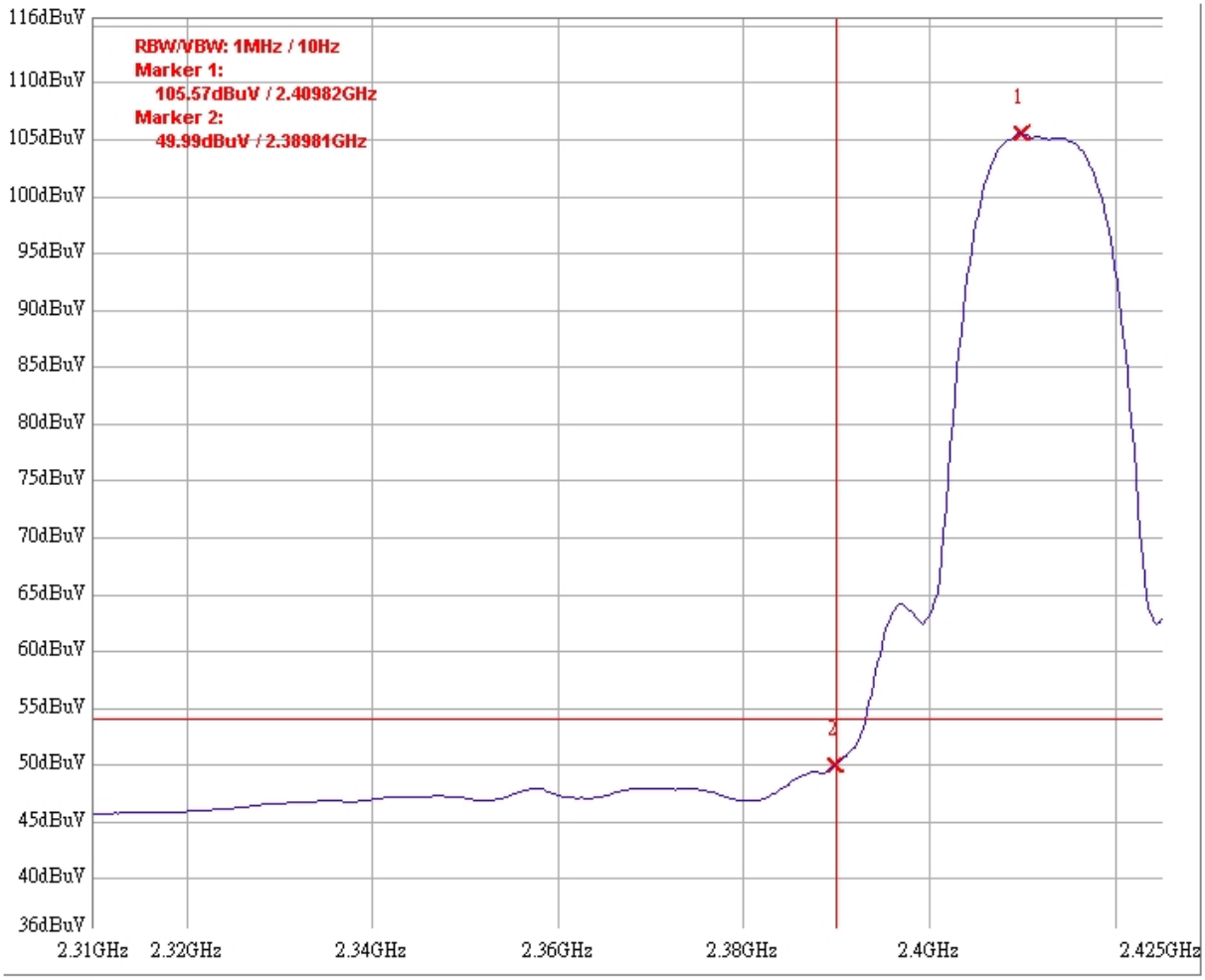
4.3.1 Radiated Method

Dipole antenna
Test Mode: 802.11b mode CH1 PK



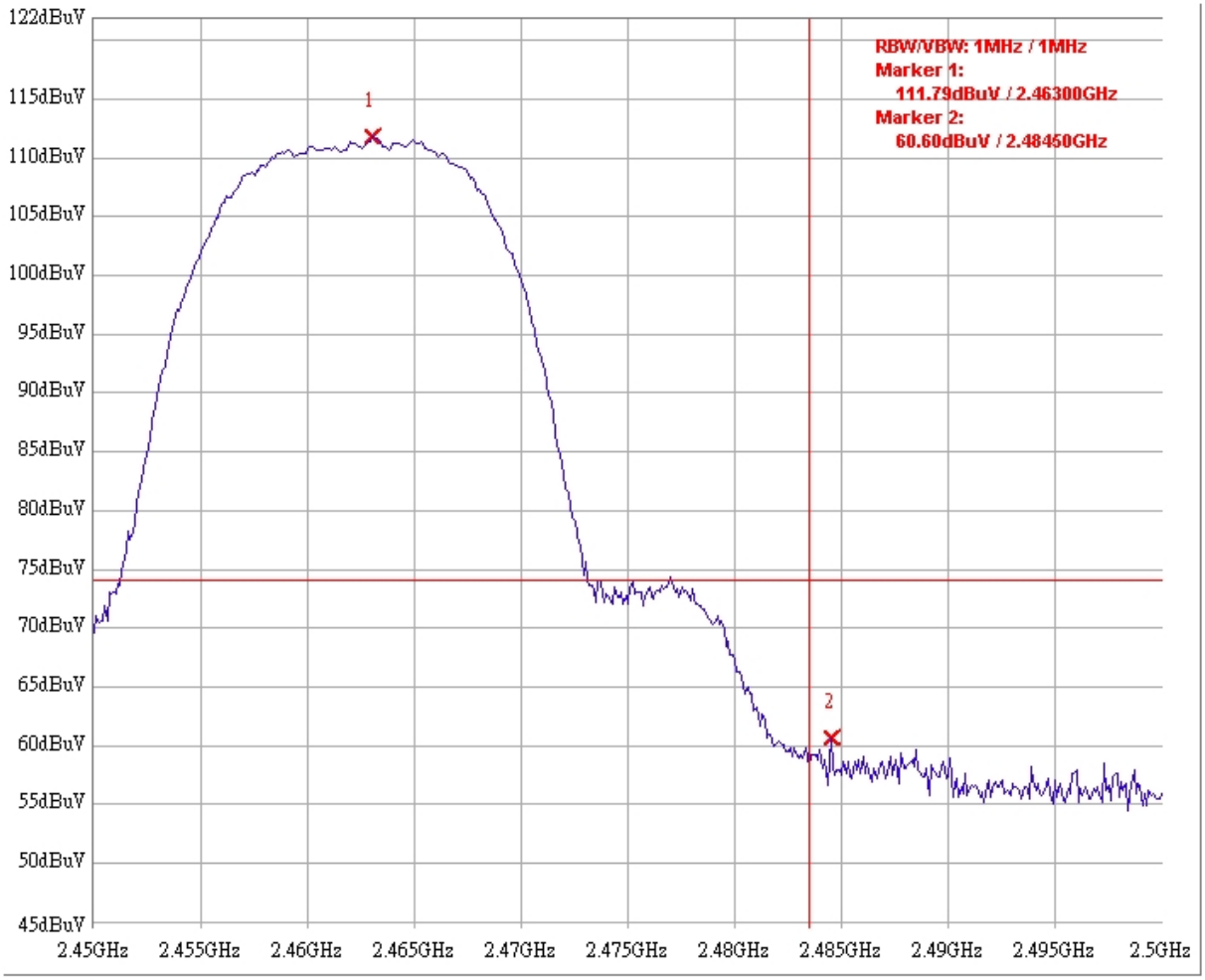
Band-Edge
11b ch1
PK

Dipole antenna
Test Mode: 802.11b mode CH1 AV



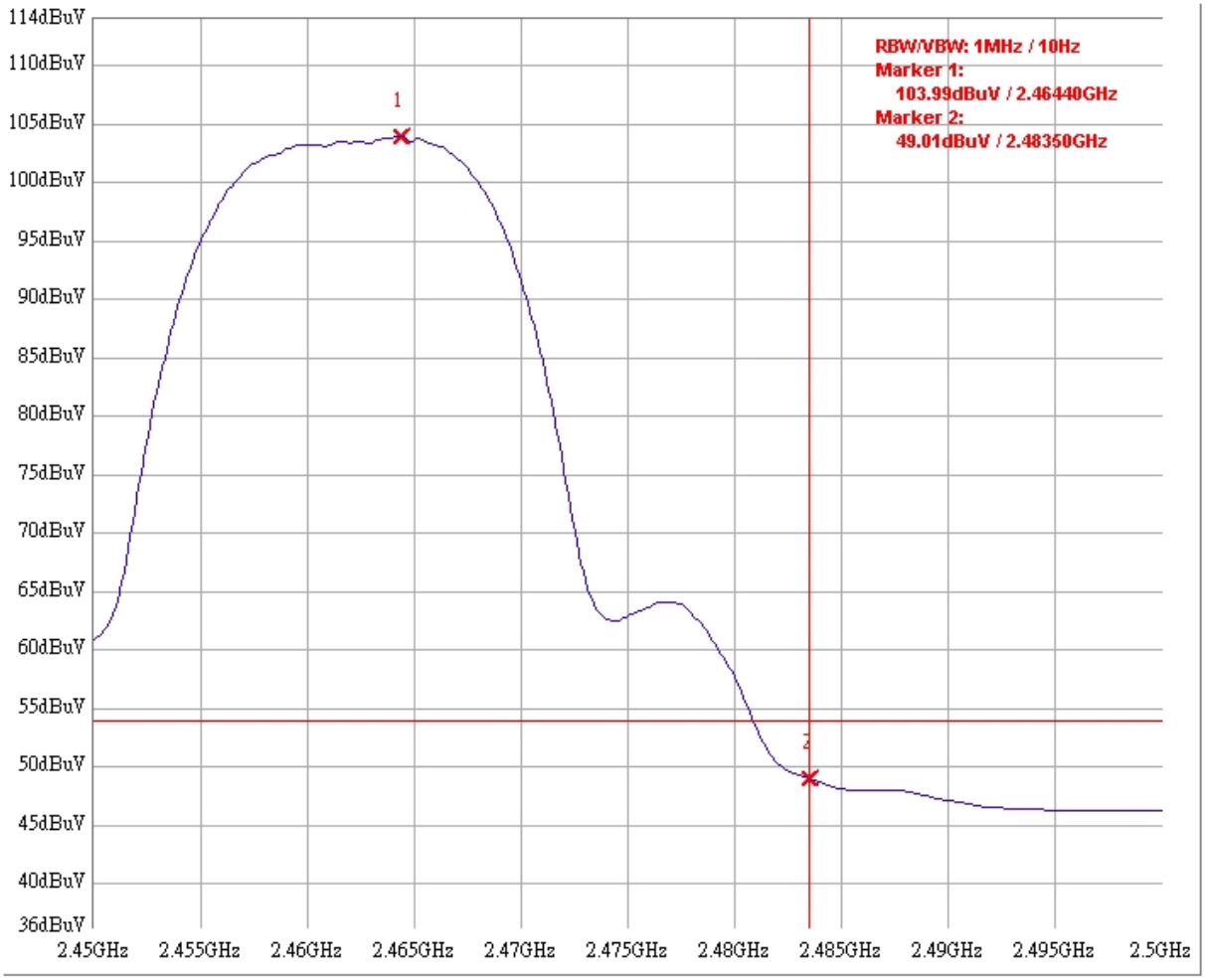
Band-Edge
11b ch1
AV

Dipole antenna
Test Mode: 802.11b mode CH11 PK



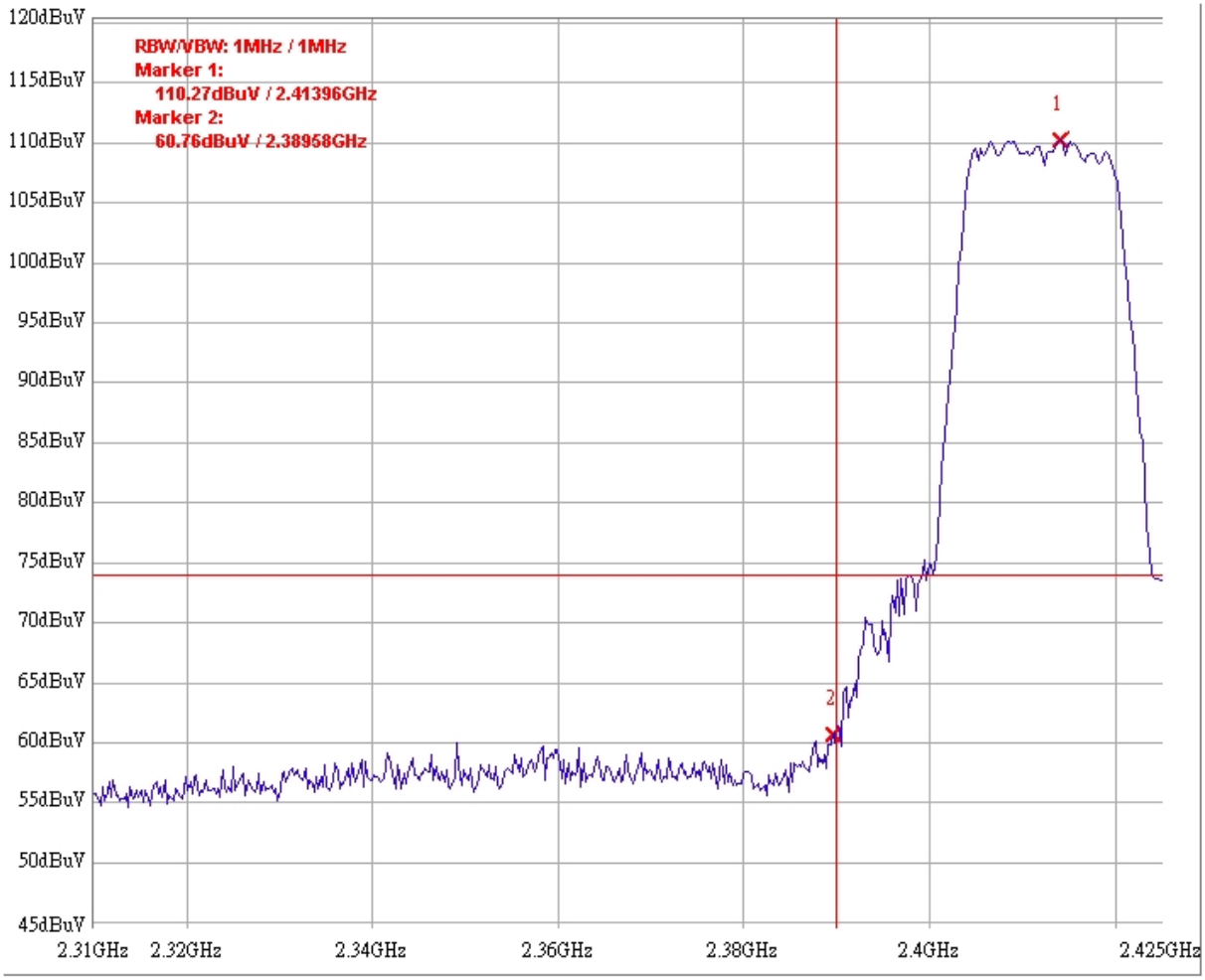
Band-Edge
11b ch11
PK

Dipole antenna
Test Mode: 802.11b mode CH11 AV



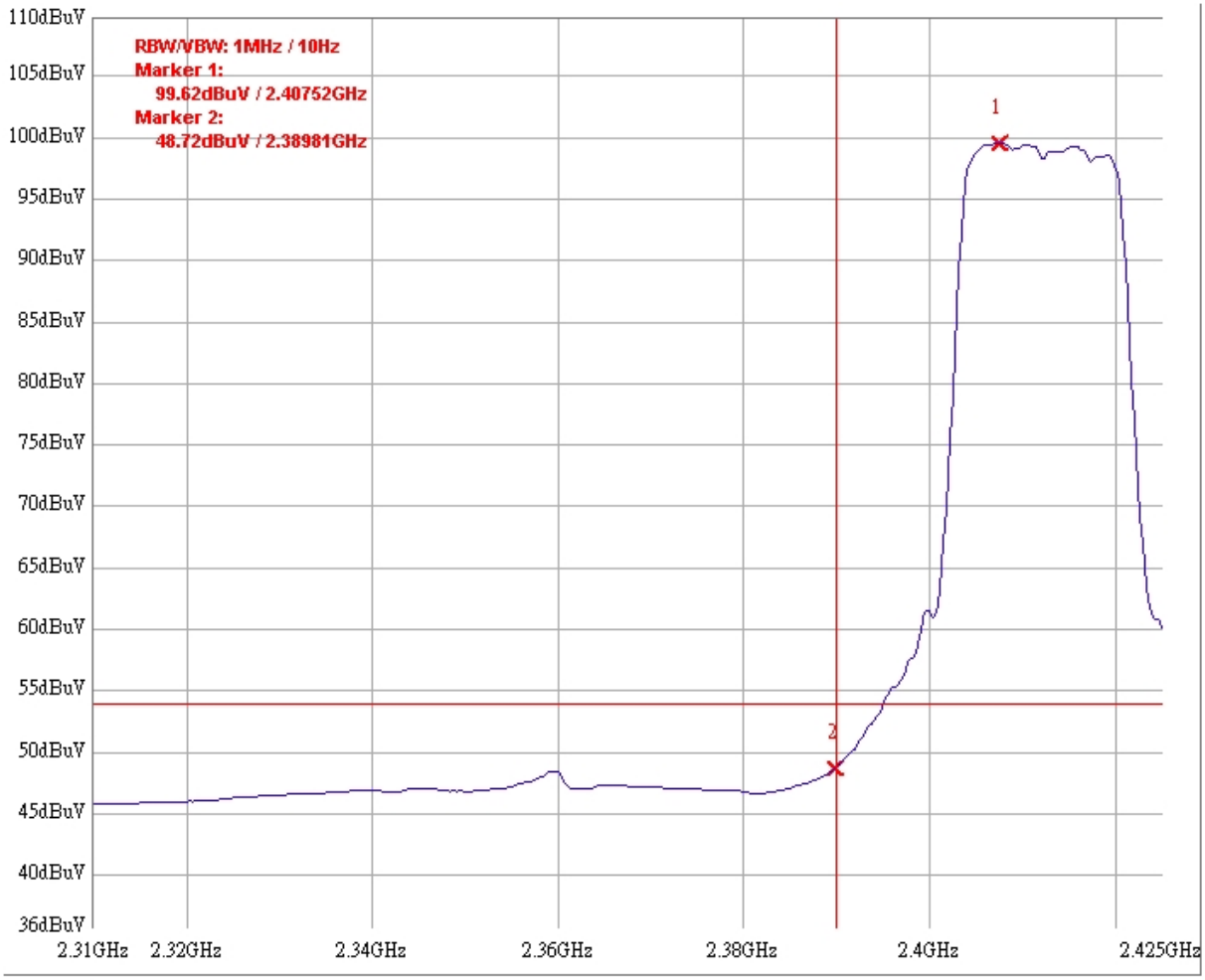
Band-Edge
11b ch11
AV

Dipole antenna
Test Mode: 802.11g mode CH1 PK



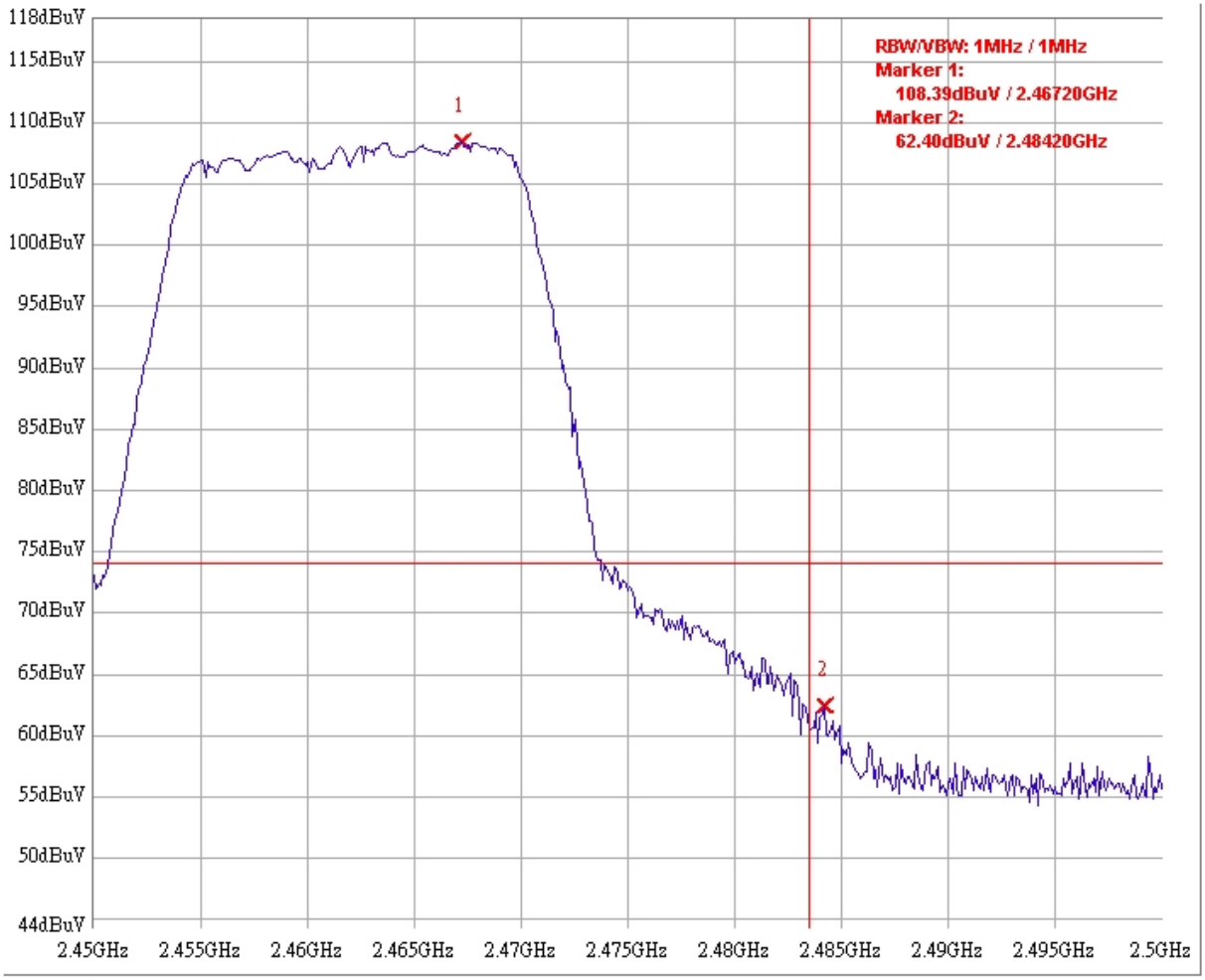
Band-Edge
11g ch1
PK

Dipole antenna
Test Mode: 802.11g mode CH1 AV



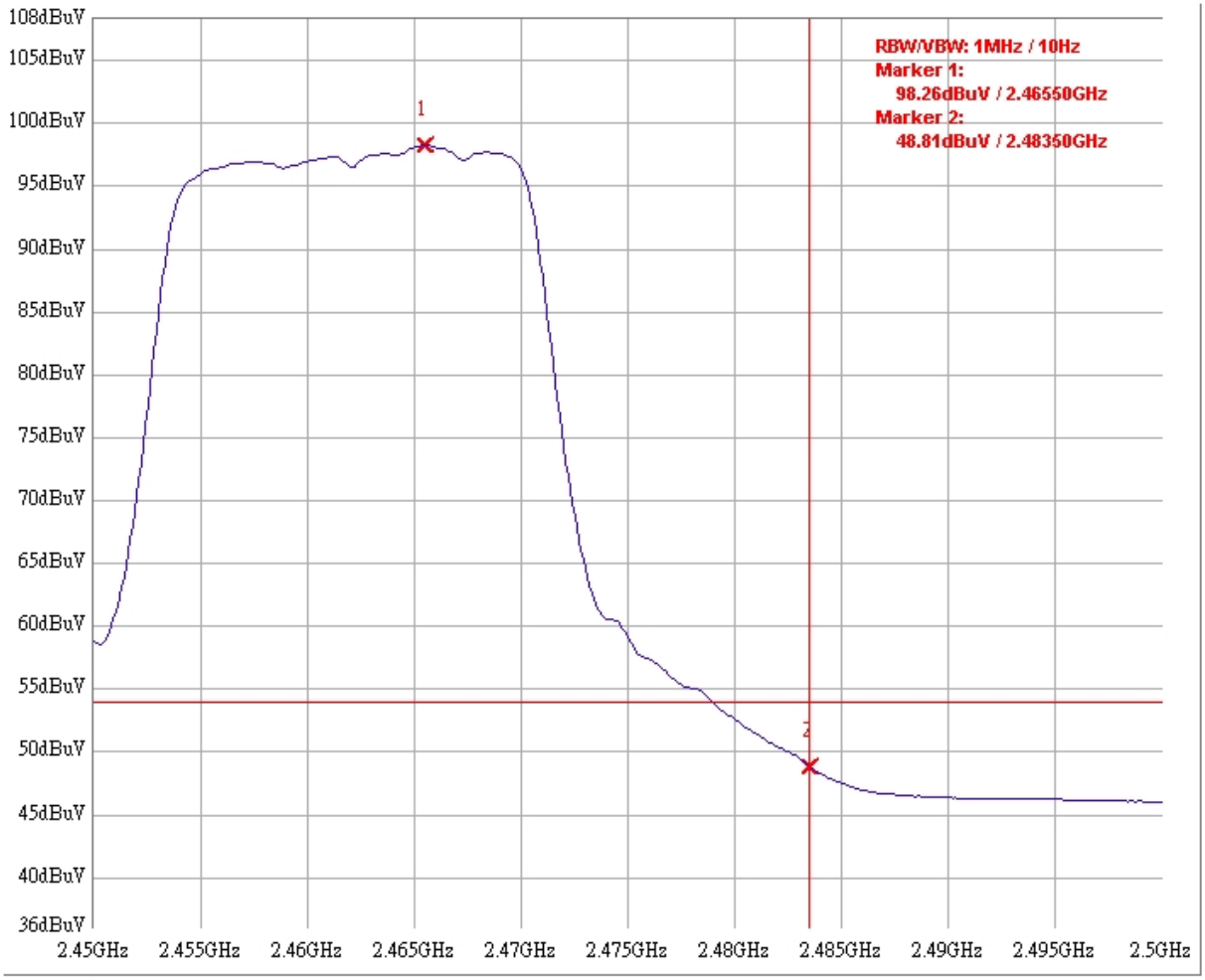
Band-Edge
11g ch1
AV

Dipole antenna
Test Mode: 802.11g mode CH11 PK



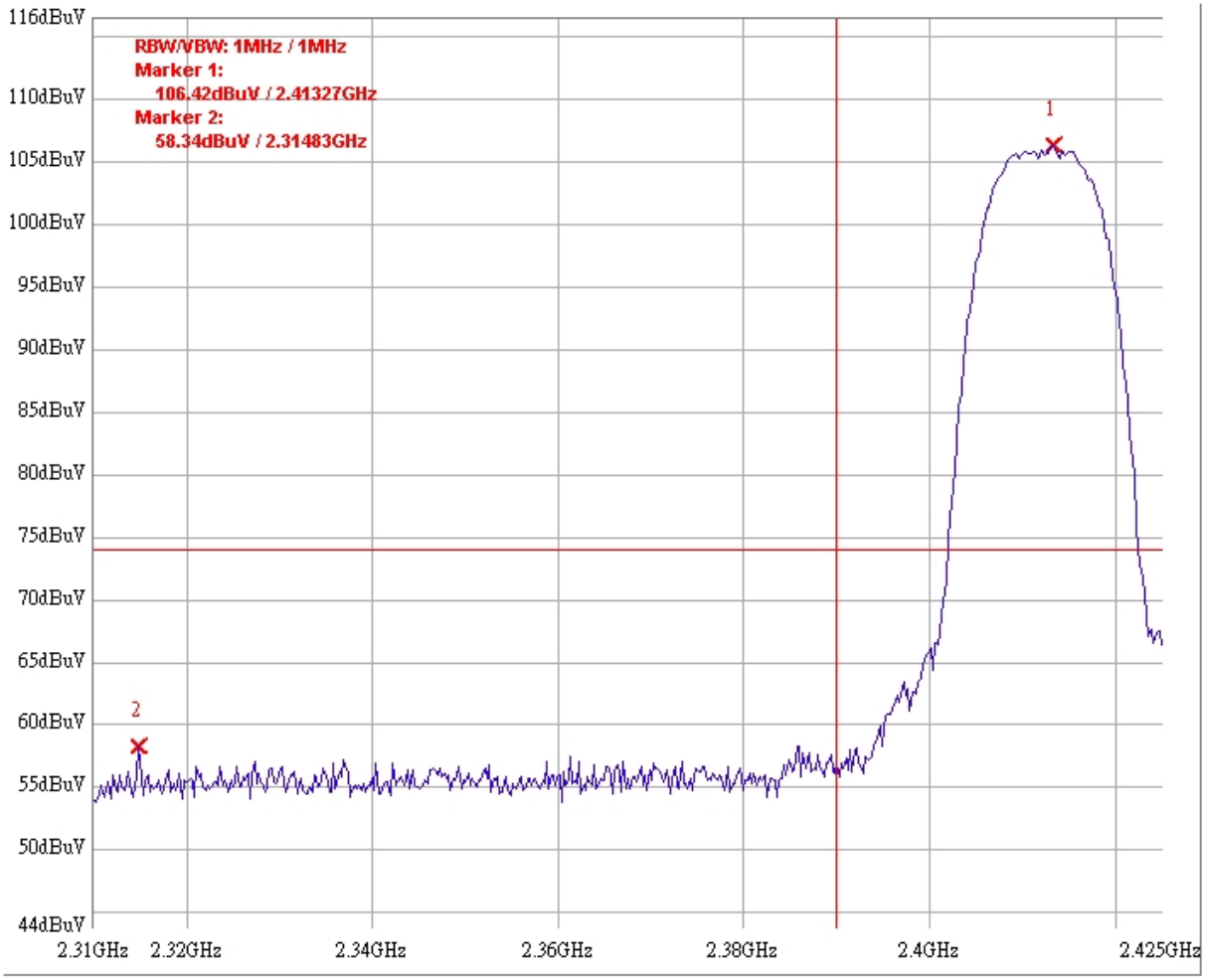
Band-Edge
11g ch11
PK

Dipole antenna
Test Mode: 802.11g mode CH11 AV



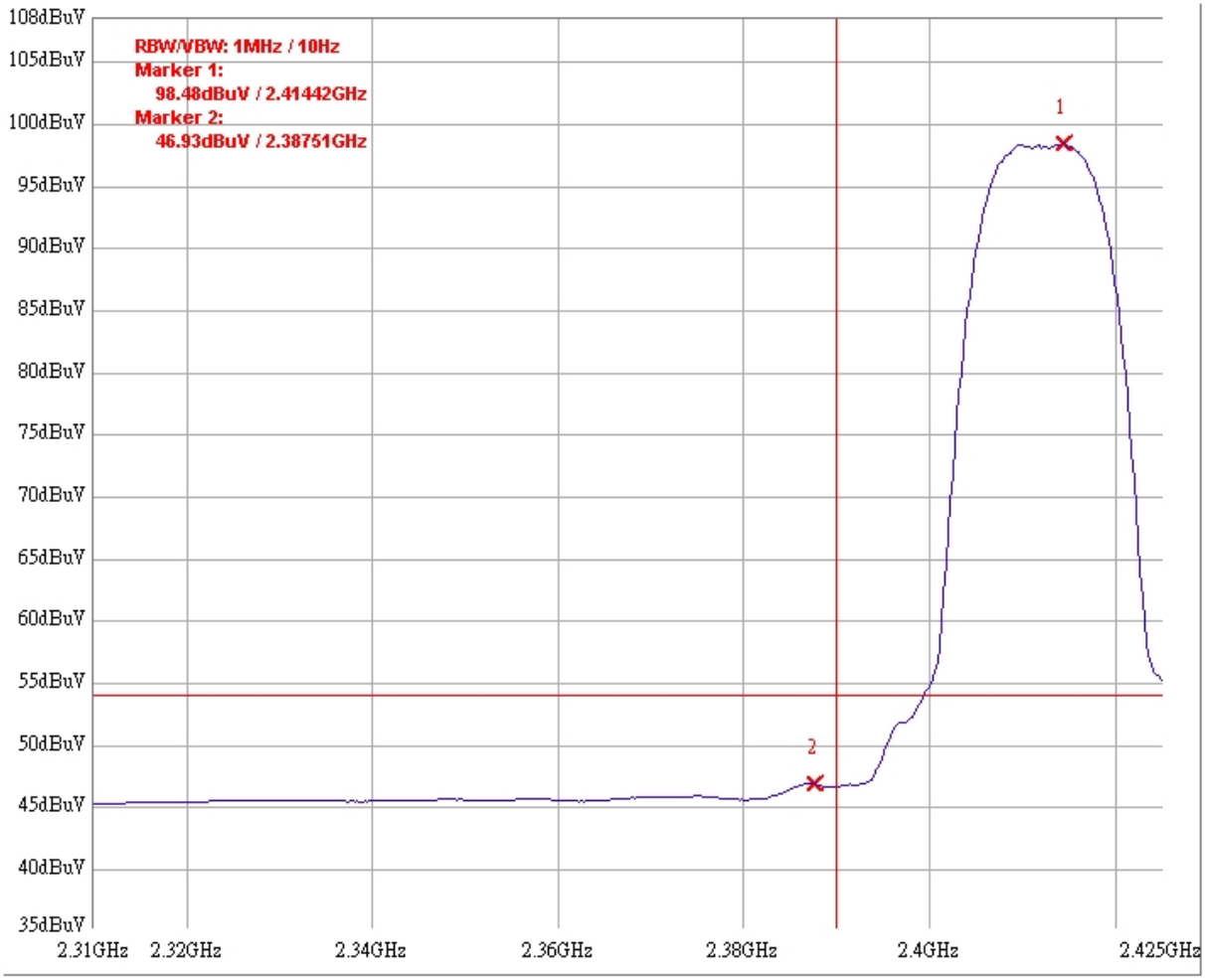
Band-Edge
11g ch11
AV

PCB antenna
Test Mode: 802.11b mode CH1 PK



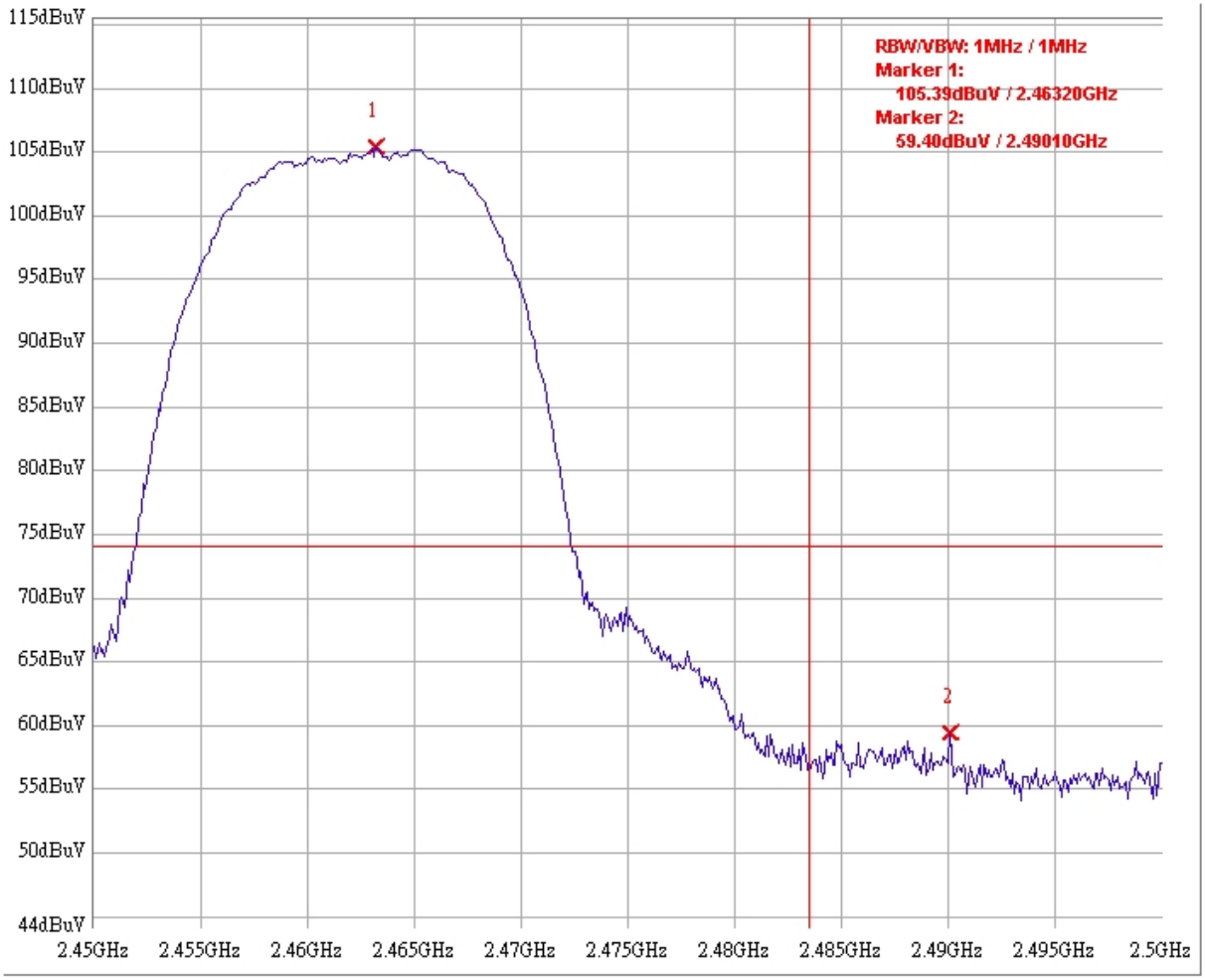
banded.ge
GLM-200 PCB ant
11b ch1
PK

PCB antenna
Test Mode: 802.11b mode CH1 AV



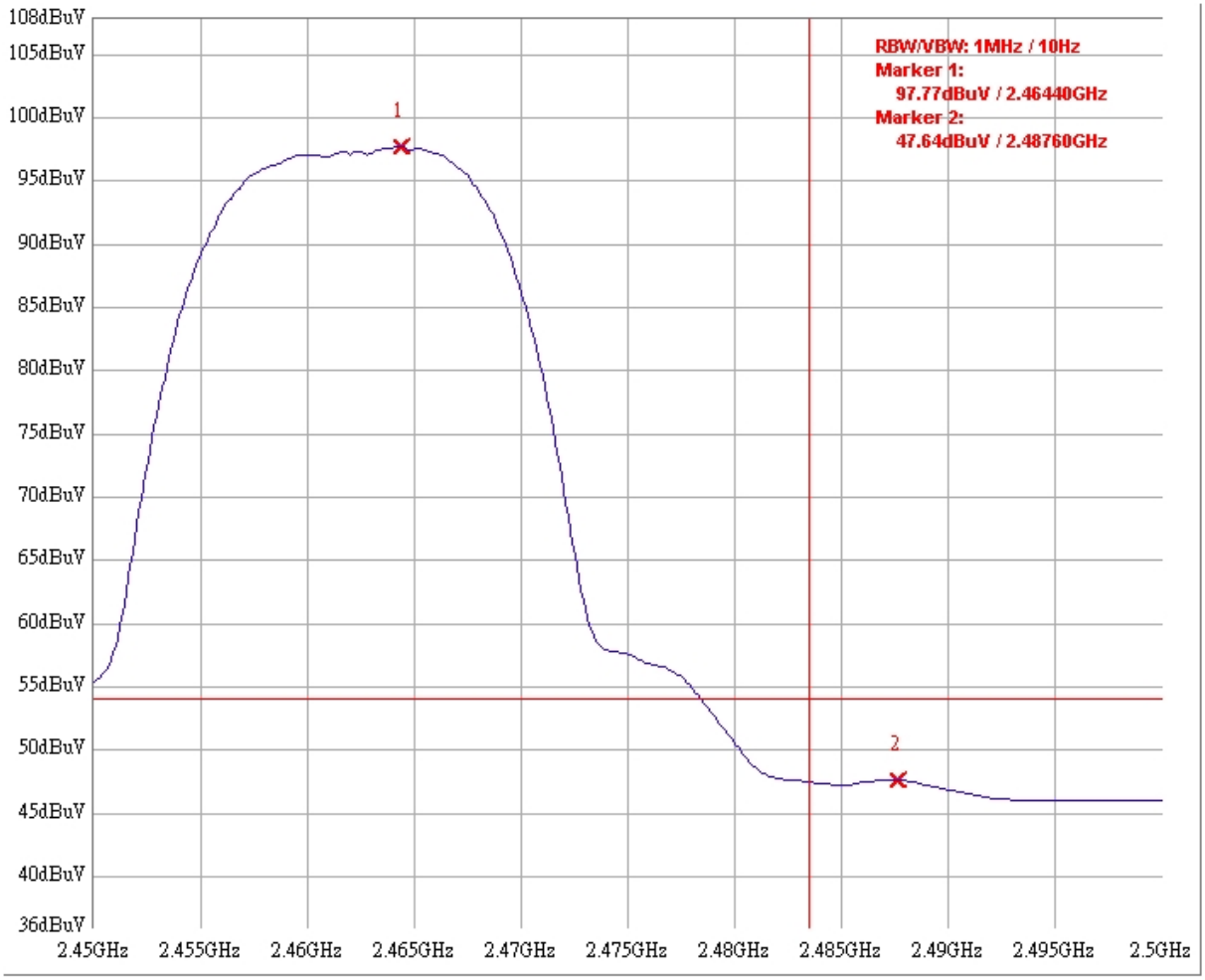
bandedge
GLM-200 PCB ant
11b ch1
PK

PCB antenna
Test Mode: 802.11b mode CH11 PK



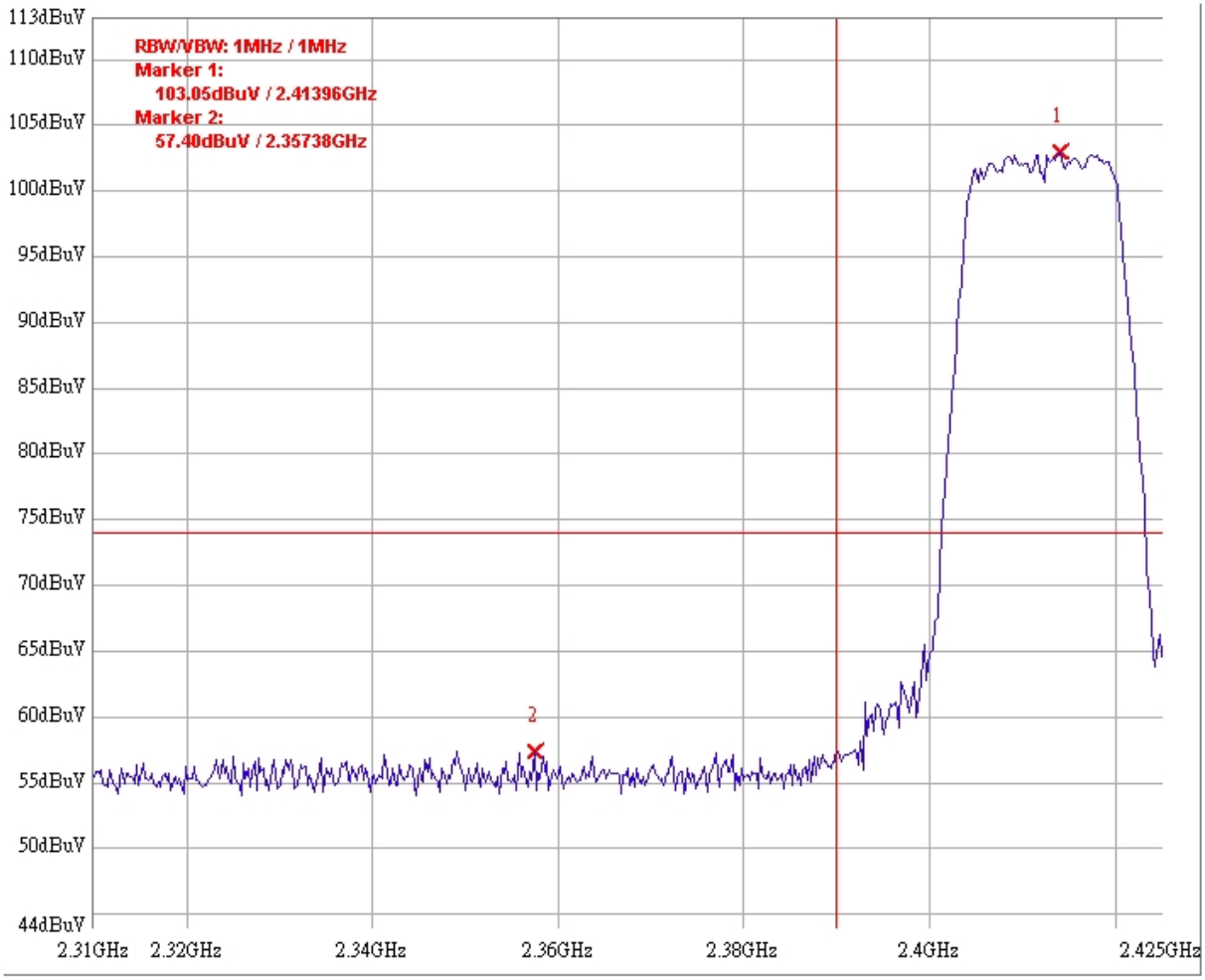
bandedge
GLM-200 PCB ant
11b ch11
PK

PCB antenna
Test Mode: 802.11b mode CH11 AV



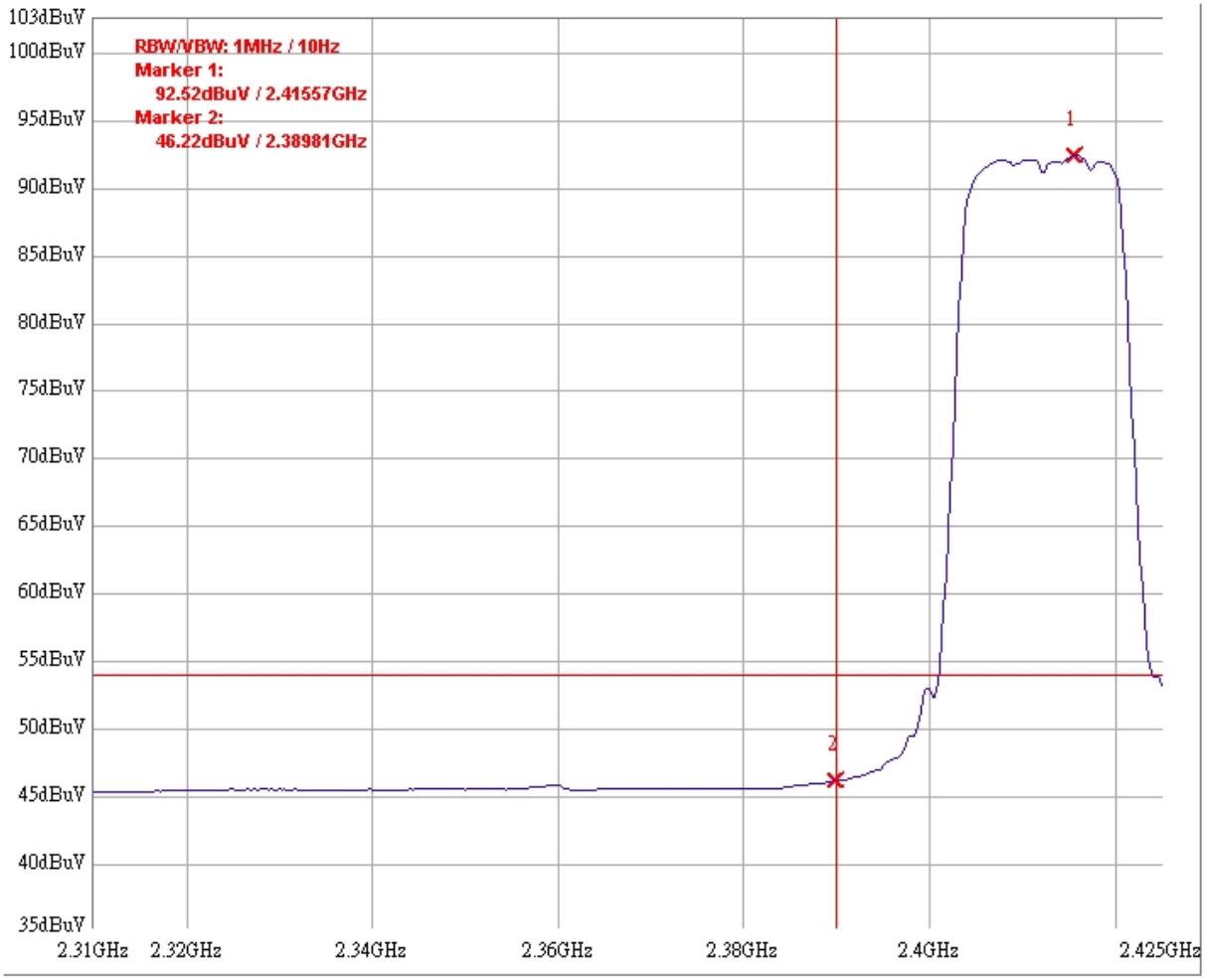
banded.ge
GLM-200 PCB ant
11b ch11
AV

PCB antenna
Test Mode: 802.11g mode CH1 PK



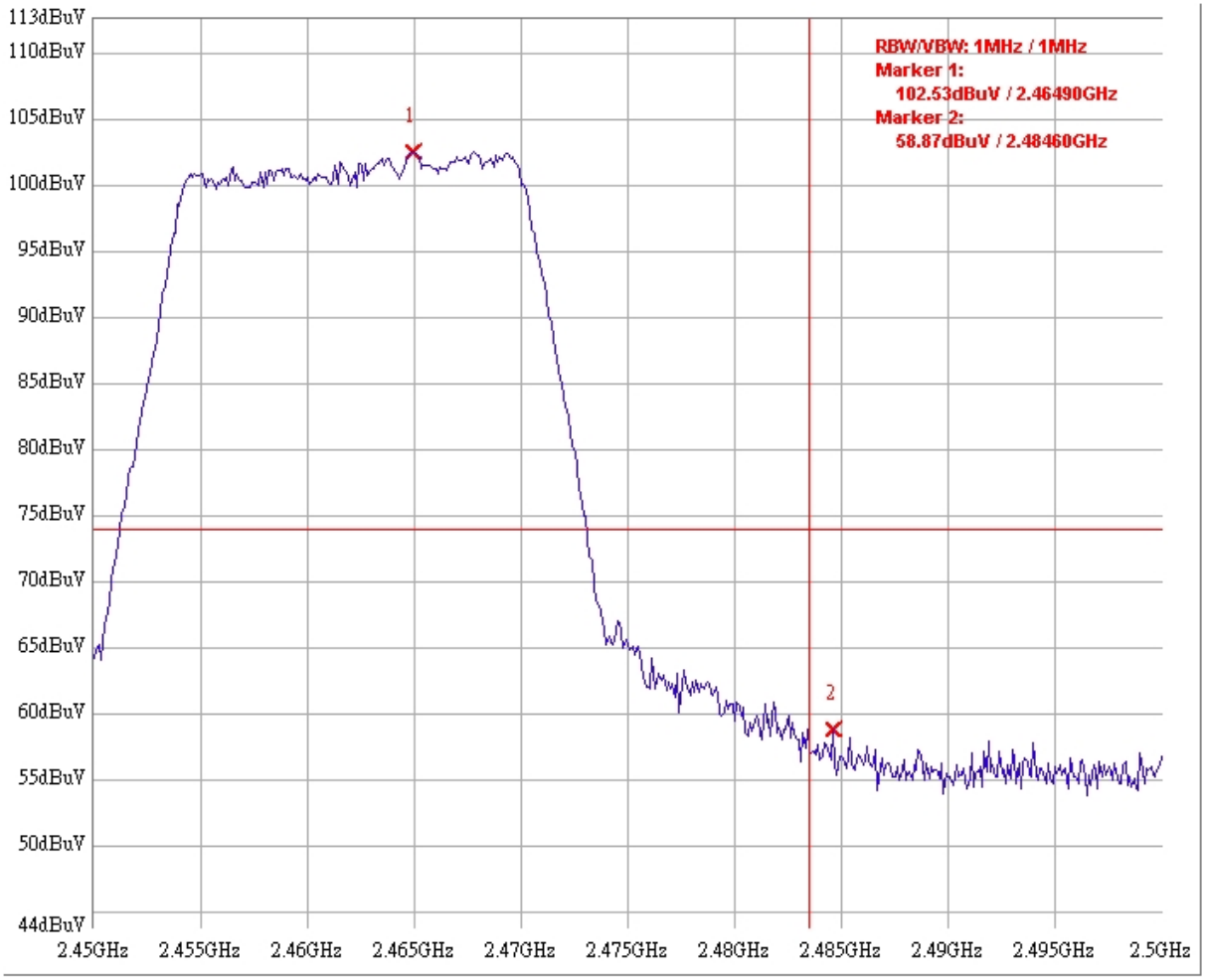
bandedge
GLM-200 PCB ant
11g ch1
PK

PCB antenna
Test Mode: 802.11g mode CH1 AV



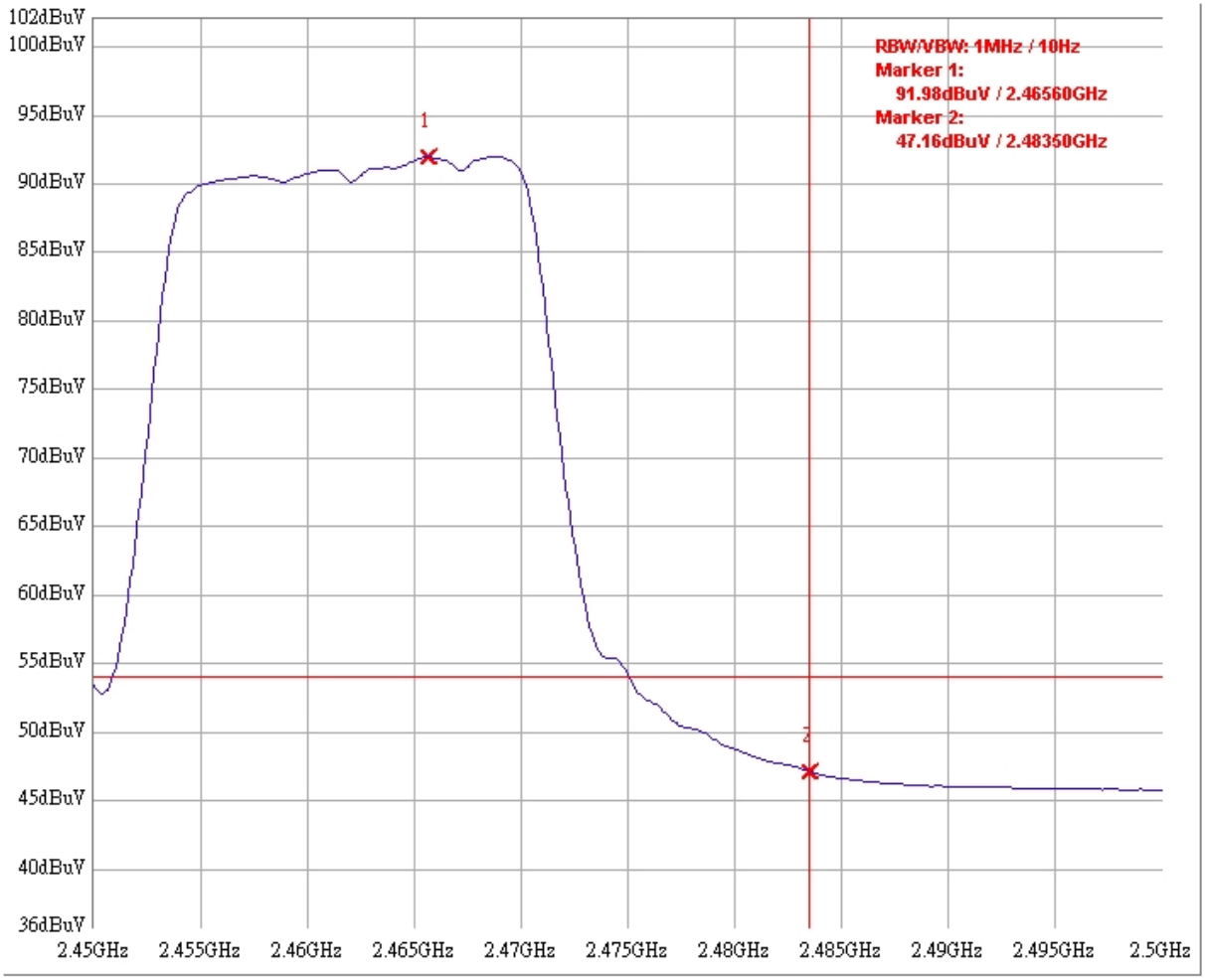
bandedge
GLM-200 PCB ant
11g ch1
AV

PCB antenna
Test Mode: 802.11g mode CH11 PK



bandedge
GLM-200 PCB ant
11g ch11
PK

PCB antenna
Test Mode: 802.11g mode CH11 AV



bandedge
GLM-200 PCB ant
11g ch11
AV