

EMC TEST REPORT

Report No. : EME-040730
Model No. : GW-AP54SGX
Issued Date : Aug. 9, 2004

Applicant : D-Link Corporation
No. 8, Li-shing Road VII, Science-based Industrial Park,
Hsinchu, Taiwan

Test By : Intertek Testing Services Taiwan Ltd.
No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,
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Project Engineer

Clay Chen

Clay Chen

Reviewed By

Jerry Liu

Jerry Liu

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Summary of Tests

**IEEE 802.11g Wireless Access Point -Model: GW-AP54SGX
FCC ID: KA220030603014-1**

Test	Reference	Results
Radiated Spurious Emission test	15.205, 15.209	Complies
Power Spectrum Density test	15.247(d)	Complies

1. General information

1.1 Identification of the EUT

Applicant	: D-Link Corporation
Product	: IEEE 802.11g Wireless Access Point
Model No.	: GW-AP54SGX
FCC ID.	: KA220030603014-1
Frequency Range	: 2412~2462MHz
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	: 100-120Vac, 60Hz with Adapter (TC10A-050)
Power Cord	: N/A
Sample Received	: July 20, 2004
Test Date(s)	: July 20, 2004 ~ Aug. 6, 2004

A FCC DoC report has been generated for the client.

1.2 Additional information about the EUT

The EUT is an IEEE 802.11g Wireless Access Point, and was defined as information technology equipment.

The 11g WIRELESS LAN ACCESS POINT provides the most expanded user bandwidth available in an AP. Wireless clients can connect to this AP using any of its channels to transfer data at speeds never achievable before in a wireless device. The 11g WIRELESS LAN ACCESS POINT operates seamlessly and simultaneously in the 2.4GHz frequency spectrums supporting the 802.11b and the newer, faster 802.11g wireless standards.

For more detail features, please refer to User's manual.

1.3 Antenna description

The EUT has two types of antenna, one of which is permanently connected antenna, and the other can be replaced.

For permanently connected antenna:

The EUT uses a permanently connected antenna.

Antenna Gain : 1.8dBi

Antenna Type : Dipole

Connector Type : N/A

For replaceable antenna:

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 : 5.0dBi

Antenna Type : Dipole

Connector Type : SMA Reverse

1.4 Peripherals equipment

Peripherals	Manufacturer	Product No.	Serial No.	FCC ID
Notebook	DELL	PP01L	CN-06P83-48643-33V-0112	FCC DoC Approved

Cable: RJ-45 cable 10meter length

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 C63.4/2001.

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

The EUT was transmitted continuously during all of the tests.

When the EUT is operated at 802.11g (turbo mode), it only has the channel 6 (2437MHz).

After verifying the maximum output power, we found the maximum output power was of 802.11b was occurred at 11Mbps data rate and 802.11g was occurred at 54Mbps data rate. The final test was executed under this condition and recorded in this report individually.

2.3 Test equipment

Equipment	Brand	Frequency range	Model No.	Intertek ID No.	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	9kHz~2.75GHz	ESCS 30	EC303	04/14/2005
EMI Test Receiver	Rohde & Schwarz	20Hz~26.5GHz	ESMI	EC317	07/15/2005
Spectrum Analyzer	Rohde & Schwarz	9kHz~30GHz	FSP 30	EC353	07/14/2005
Spectrum Analyzer	Rohde & Schwarz	20Hz~40GHz	FSEK 30	EC365	10/20/2005
Horn Antenna	EMCO	1GHz~18GHz	3115	EC338	09/19/2004
Horn Antenna	SCHWARZBECK	15GHz~40GHz	BBHA 9170	EC351	07/09/2005
Bilog Antenna	SCHWARZBECK	25MHz~1.7GHz	VULB 9160	EC350	02/21/2005
Turn Table	HDGmbH	N/A	DS 420S	EP317-3	N/A
Antenna Tower	HDGmbH	N/A	MA 240	EP317-2	N/A
Pre-Amplifier	MITER	100MHz~26.5GHz	919981	EC373	04/13/2005

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

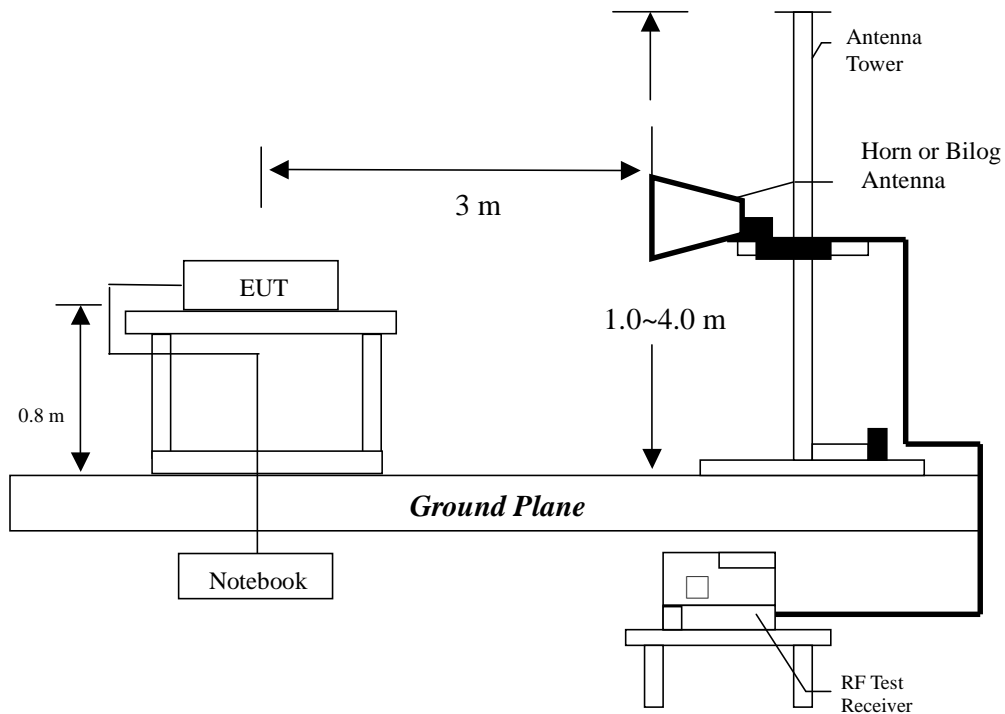
3. Radiated Emission test

3.1 Operating environment

Temperature:	22	°C	(10-40°C)
Relative Humidity:	53	%	(10-90%)
Atmospheric Pressure	1023	hPa	(860-1060hPa)

3.2 Test setup & procedure

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



Radiated emissions were investigated 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 three 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.

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.02 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 the 802.11b and 802.11g transmitting continuously modes with channel 1,6,11, the worst case was occurred in 802.11b Tx at channel 1 and 802.11g Tx at channel 1.

EUT : GW-AP54SGX
 Worst Case Condition : 802.11b Tx at channel 1

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
40.000	QP	V	12.96	23.90	36.86	40.00	-3.14	100.00	313.00
270.000	QP	V	13.66	28.90	42.56	46.00	-3.44	203.00	76.00
450.000	QP	V	18.13	25.60	43.73	46.00	-2.27	102.00	113.00
540.000	QP	V	19.60	18.90	38.50	46.00	-7.50	141.00	139.00
720.000	QP	V	22.65	16.80	39.45	46.00	-6.55	171.00	224.00
810.000	QP	V	24.20	15.40	39.60	46.00	-6.40	100.00	351.00
90.000	QP	H	10.03	22.50	32.53	43.50	-10.97	151.00	214.00
120.000	QP	H	12.89	16.70	29.59	43.50	-13.91	114.00	210.00
270.000	QP	H	13.66	30.30	43.96	46.00	-2.04	133.00	213.00
450.000	QP	H	18.13	17.80	35.93	46.00	-10.07	107.00	175.00
720.000	QP	H	22.65	12.70	35.35	46.00	-10.65	117.00	210.00
810.000	QP	H	24.20	13.70	37.90	46.00	-8.10	110.00	143.00

Remark:

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

EUT : GW-AP54SGX
 Worst Case Condition : 802.11g Tx at channel 1

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
40.000	QP	V	12.96	24.60	37.56	40.00	-2.44	100.00	54.00
270.000	QP	V	13.66	29.50	43.16	46.00	-2.84	128.00	194.00
450.000	QP	V	18.13	25.70	43.83	46.00	-2.17	100.00	26.00
720.000	QP	V	22.65	19.00	41.65	46.00	-4.35	145.00	168.00
810.000	QP	V	24.20	17.80	42.00	46.00	-4.00	111.00	114.00
900.000	QP	V	25.09	14.30	39.39	46.00	-6.61	100.00	213.00
120.000	QP	H	12.89	21.80	34.69	43.50	-8.81	114.00	107.00
270.000	QP	H	13.66	31.90	45.56	46.00	-0.44	100.00	230.00
450.000	QP	H	18.13	15.90	34.03	46.00	-11.97	224.00	73.00
720.000	QP	H	22.65	10.20	32.85	46.00	-13.15	154.00	289.00
810.000	QP	H	24.20	15.80	40.00	46.00	-6.00	134.00	217.00
900.000	QP	H	25.09	11.40	36.49	46.00	-9.51	117.00	145.00

Remark:

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

EUT : GW-AP54SGX
 Worst Case Condition : 802.11g Tx at channel 6 turbo mode

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
40.000	QP	V	12.96	24.80	37.76	40.00	-2.24	100.00	328.00
267.000	QP	V	13.32	28.50	41.82	46.00	-4.18	187.00	64.00
450.000	QP	V	18.13	25.30	43.43	46.00	-2.57	106.00	90.00
720.000	QP	V	22.65	19.10	41.75	46.00	-4.25	153.00	117.00
710.000	QP	V	22.84	17.20	40.04	46.00	-5.96	103.00	217.00
900.000	QP	V	25.09	15.40	40.49	46.00	-5.51	191.00	354.00
120.000	QP	H	12.89	17.50	30.39	43.50	-13.11	100.00	258.00
270.000	QP	H	13.66	32.20	45.86	46.00	-0.14	100.00	124.00
450.000	QP	H	18.13	16.30	34.43	46.00	-11.57	231.00	133.00
720.000	QP	H	22.65	14.80	37.45	46.00	-8.55	154.00	273.00
810.000	QP	H	24.20	16.20	40.40	46.00	-5.60	177.00	154.00
900.000	QP	H	25.09	12.30	37.39	46.00	-8.61	100.00	211.00

Remark:

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

3.4.2 Measurement results: frequency above 1GHz

EUT : GW-AP54SGX

Test Condition : 802.11b Tx at channel 1

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
4823.940	PK	V	39.60	35.25	48.69	44.34	74.00	-29.66	100.00	223.00
4823.940	AV	V	39.60	35.25	33.86	29.51	54.00	-24.49	100.00	223.00
7237.800	PK	V	39.25	39.05	51.91	51.71	74.00	-22.29	144.00	240.00
7237.800	AV	V	39.25	39.05	39.12	38.92	54.00	-15.08	144.00	240.00
7237.800	PK	H	39.25	39.05	47.15	46.95	74.00	-27.05	128.00	313.00
7237.800	AV	H	39.25	39.05	33.82	33.62	54.00	-20.38	128.00	313.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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.

Noise floor level

For PK:

1GHz-3GHz: 20dBuV

3GHz-14GHz: 27dBuV

14GHz-26.5GHz: 39dBuV

For AV:

1GHz-3GHz: 10dBuV

3GHz-14GHz: 16dBuV

14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX
 Test Condition : 802.11b Tx at channel 6

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7312.000	PK	V	39.25	39.05	55.20	55.00	74.00	-19.00	142.00	244.00
7312.000	AV	V	39.25	39.05	43.98	43.78	54.00	-10.22	142.00	244.00
7312.000	PK	H	39.25	39.05	49.21	49.01	74.00	-24.99	137.00	313.00
7312.000	AV	H	39.25	39.05	37.90	37.70	54.00	-16.30	137.00	313.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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

Noise floor level

For PK:

- 1GHz-3GHz: 20dBuV
- 3GHz-14GHz: 27dBuV
- 14GHz-26.5GHz: 39dBuV

For AV:

- 1GHz-3GHz: 10dBuV
- 3GHz-14GHz: 16dBuV
- 14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX

Test Condition : 802.11b Tx at channel 11

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7384.900	PK	V	39.25	39.05	56.64	56.44	74.00	-17.56	140.00	249.00
7384.900	AV	V	39.25	39.05	43.89	43.69	54.00	-10.31	140.00	249.00
7384.900	PK	H	39.25	39.05	49.88	49.68	74.00	-24.32	137.00	321.00
7384.900	AV	H	39.25	39.05	38.11	37.91	54.00	-16.09	137.00	321.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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.

Noise floor level

For PK:

1GHz-3GHz: 20dBuV

3GHz-14GHz: 27dBuV

14GHz-26.5GHz: 39dBuV

For AV:

1GHz-3GHz: 10dBuV

3GHz-14GHz: 16dBuV

14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX
 Test Condition : 802.11g Tx at channel 1

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7238.600	PK	V	39.25	39.05	56.29	56.09	74.00	-17.91	143.00	237.00
7238.600	AV	V	39.25	39.05	37.14	36.94	54.00	-17.06	143.00	237.00
7238.600	PK	H	39.25	39.05	48.77	48.57	74.00	-25.43	140.00	318.00
7238.600	AV	H	39.25	39.05	32.96	32.76	54.00	-21.24	140.00	318.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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.

Noise floor level

For PK:

- 1GHz-3GHz: 20dBuV
- 3GHz-14GHz: 27dBuV
- 14GHz-26.5GHz: 39dBuV

For AV:

- 1GHz-3GHz: 10dBuV
- 3GHz-14GHz: 16dBuV
- 14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX
 Test Condition : 802.11g Tx at channel 6

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7312.500	PK	V	39.25	39.05	58.97	58.77	74.00	-15.23	154.00	237.00
7312.500	AV	V	39.25	39.05	40.17	39.97	54.00	-14.03	154.00	237.00
7312.500	PK	H	39.25	39.05	52.88	52.68	74.00	-21.32	148.00	322.00
7312.500	AV	H	39.25	39.05	35.20	35.00	54.00	-19.00	148.00	322.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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

Noise floor level

For PK:

- 1GHz-3GHz: 20dBuV
- 3GHz-14GHz: 27dBuV
- 14GHz-26.5GHz: 39dBuV

For AV:

- 1GHz-3GHz: 10dBuV
- 3GHz-14GHz: 16dBuV
- 14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX

Test Condition : 802.11g Tx at channel 11

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7380.900	PK	V	39.25	39.05	60.70	60.50	74.00	-13.50	145.00	238.00
7380.900	AV	V	39.25	39.05	42.58	42.38	54.00	-11.62	145.00	238.00
7380.900	PK	H	39.25	39.05	55.06	54.86	74.00	-19.14	137.00	318.00
7380.900	AV	H	39.25	39.05	37.68	37.48	54.00	-16.52	137.00	318.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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.

Noise floor level

For PK:

1GHz-3GHz: 20dBuV

3GHz-14GHz: 27dBuV

14GHz-26.5GHz: 39dBuV

For AV:

1GHz-3GHz: 10dBuV

3GHz-14GHz: 16dBuV

14GHz-26.5GHz: 28dBuV

EUT : GW-AP54SGX

Test Condition : 802.11g Tx at channel 6 turbo mode

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)	Antenna high (cm)	Turn Table angle (degree)
7311.000	PK	V	39.25	39.05	54.40	54.20	74.00	-19.80	146.00	239.00
7311.000	AV	V	39.25	39.05	38.37	38.17	54.00	-15.83	146.00	239.00
7311.000	PK	H	39.25	39.05	45.97	45.77	74.00	-28.23	110.00	227.00
7311.000	AV	H	39.25	39.05	32.03	31.83	54.00	-22.17	110.00	227.00

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
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.

Noise floor level

For PK:

1GHz-3GHz: 20dBuV

3GHz-14GHz: 27dBuV

14GHz-26.5GHz: 39dBuV

For AV:

1GHz-3GHz: 10dBuV

3GHz-14GHz: 16dBuV

14GHz-26.5GHz: 28dBuV

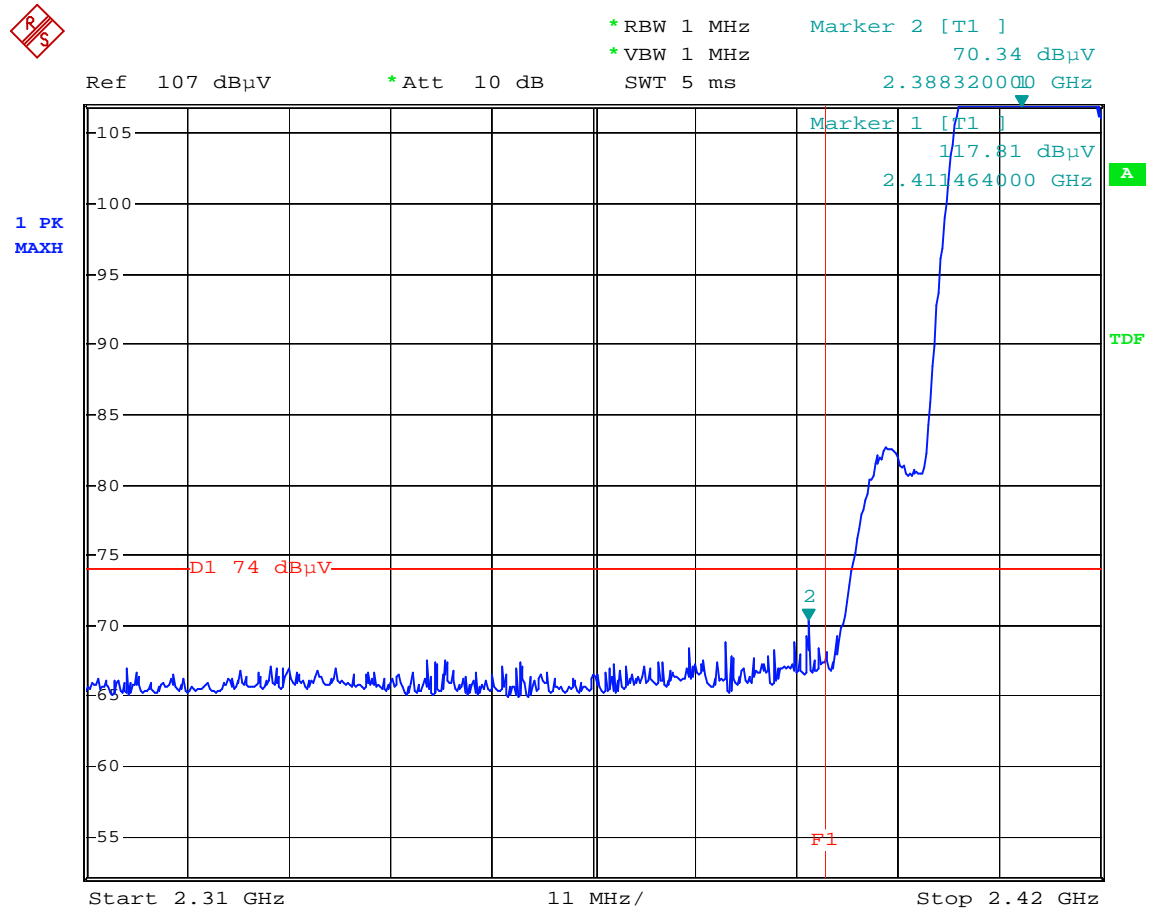
4. Emission on the band edge §FCC 15.247(C)

In any 100kHz bandwidth outside the frequency band in which the spread spectrum 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.

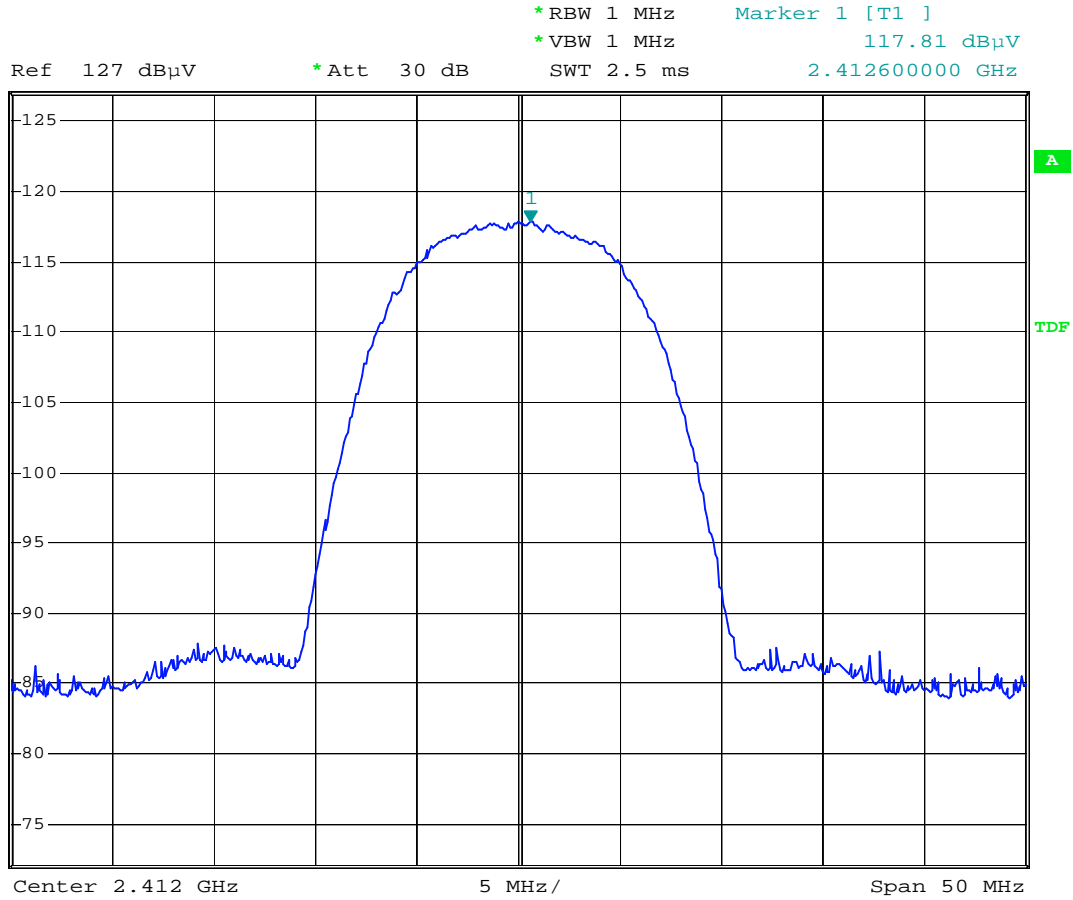
Please see the plot below.

4.1 Band-edge (Radiated method)

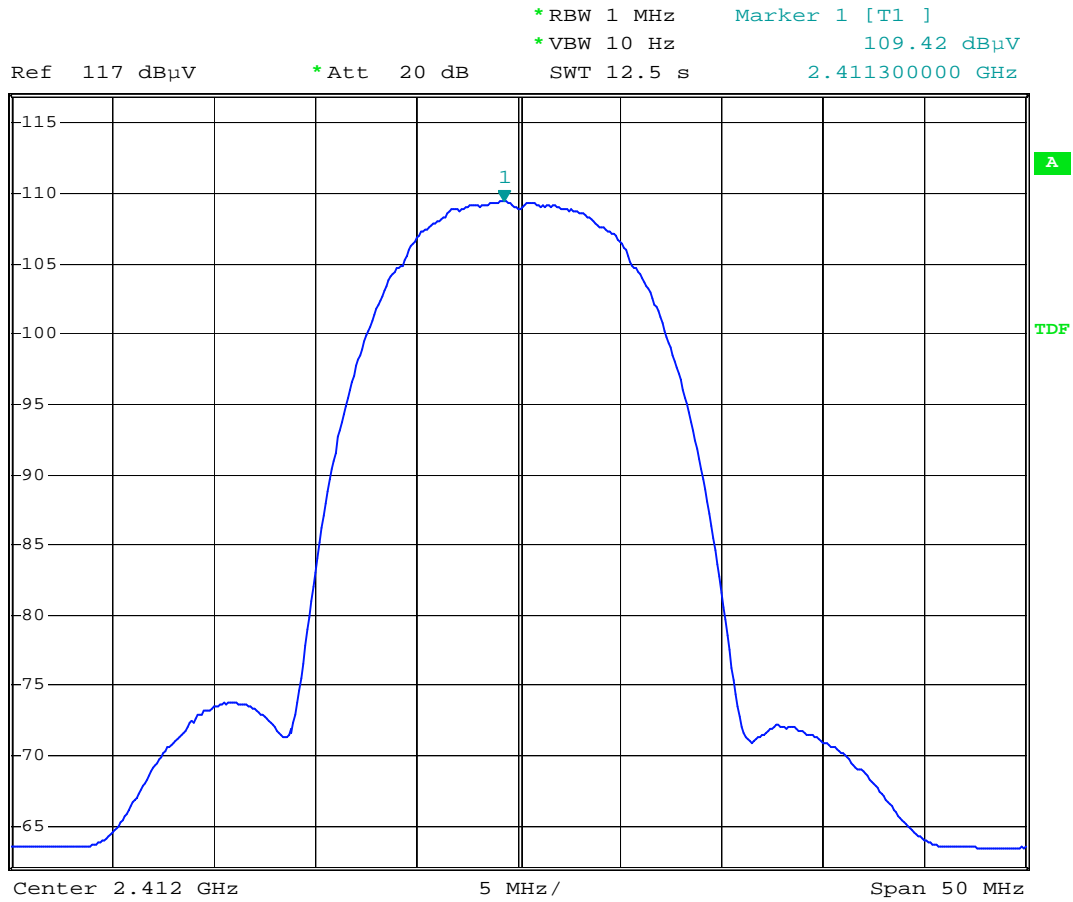
Test Mode: 802.11b operating mode



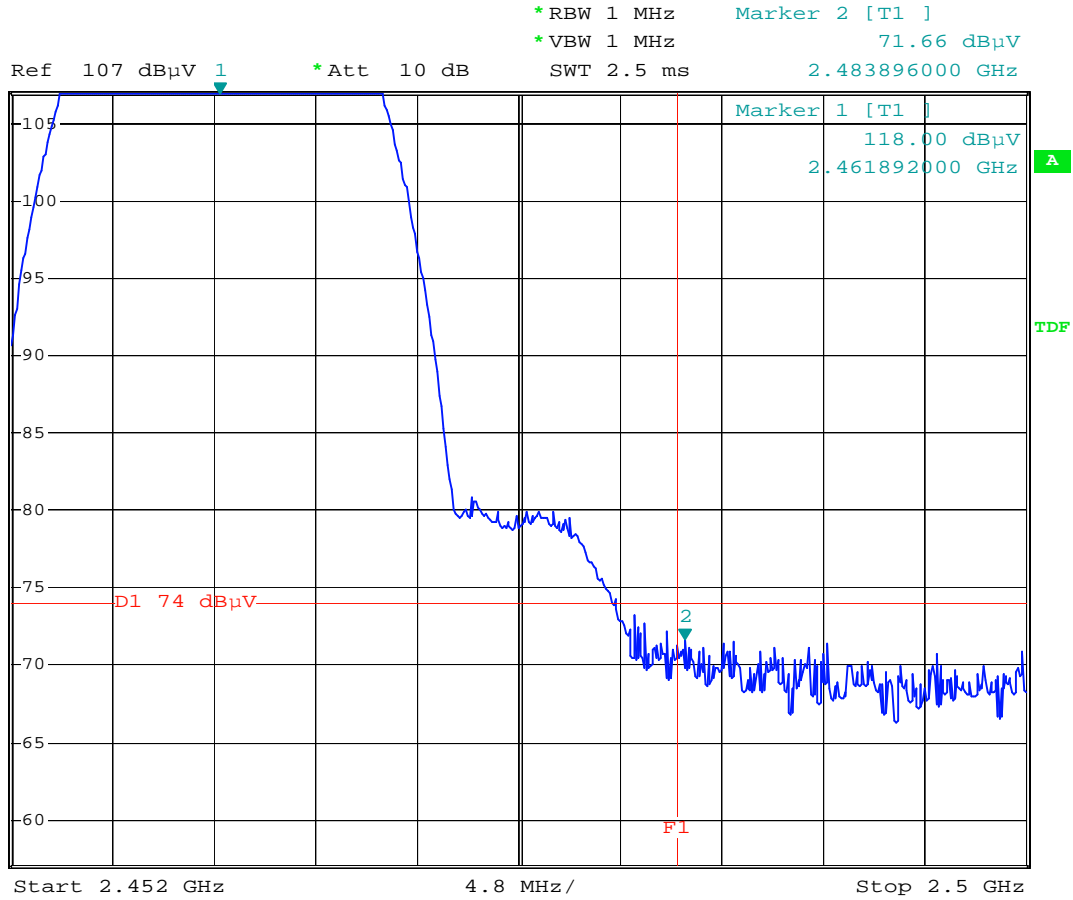
Comment: Band-edge test at low channel
 Comment: Peak detector F2=2390MHz 802.11b
 Date: 20.JUL.2004 12:20:54



Comment: Band-edge test at low channel
Comment: Peak detector F2=2390MHz 802.11b
Date: 20.JUL.2004 12:38:08



Comment: Band-edge test at low channel
Comment: Average detector F2=2390MHz 802.11b
Date: 20.JUL.2004 12:29:02



Comment: Band-edge test at high channel
 Comment: Peak detector F1=2483.5MHz 802.11b
 Date: 20.JUL.2004 11:05:32

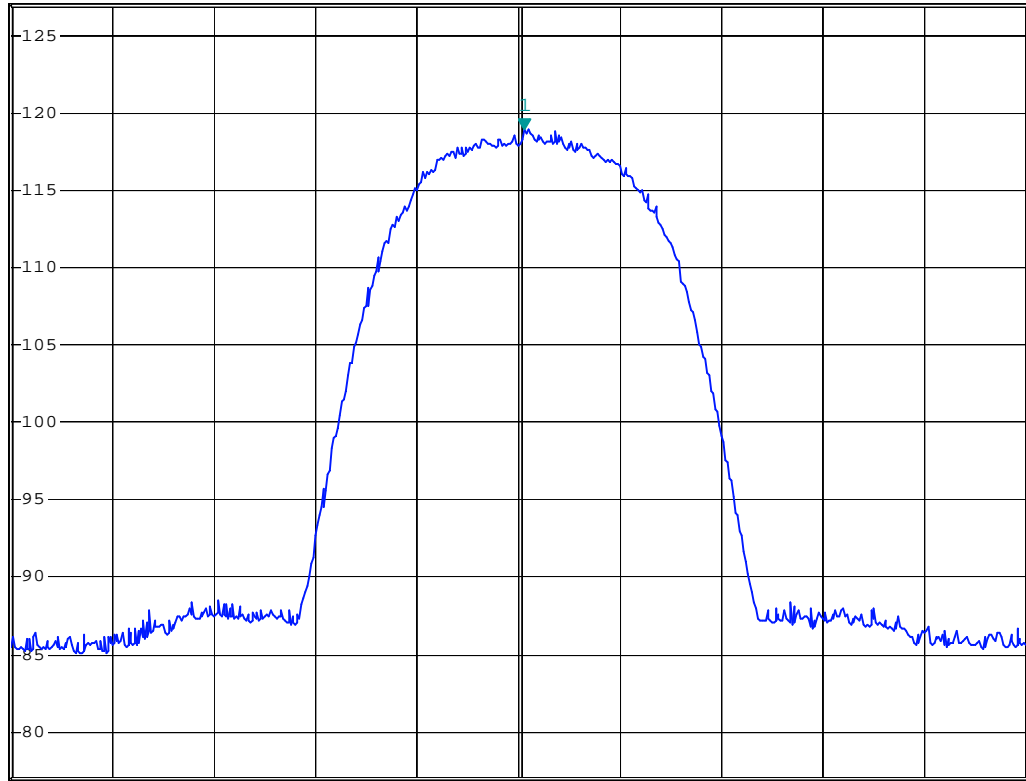


*RBW 1 MHz Marker 1 [T1]
*VBW 1 MHz 118.93 dBμV
SWT 2.5 ms 2.461792000 GHz

Ref 127 dBμV

*Att 30 dB

1 PK
MAXH



Center 2.461504 GHz

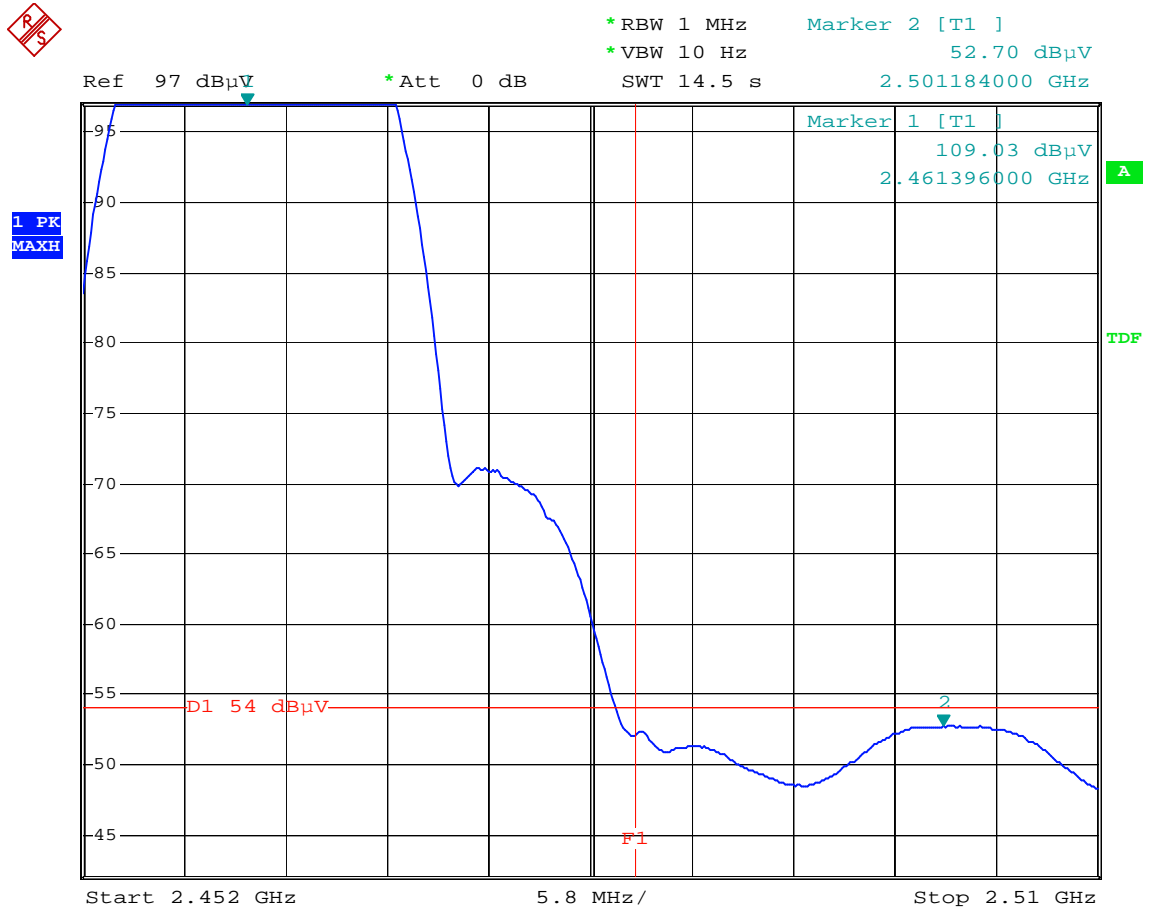
4.8 MHz/

Span 48 MHz

Comment: Band-edge test at high channel

Comment: Peak detector F1=2483.5MHz 802.11b

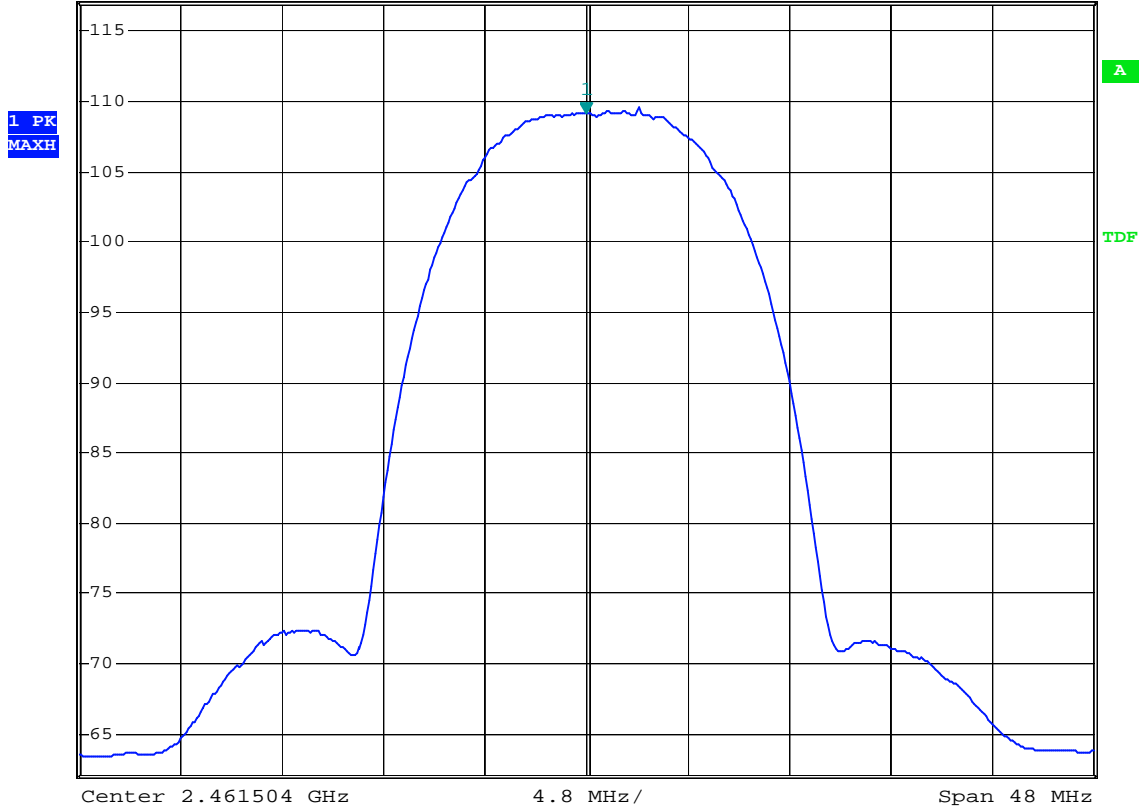
Date: 20.JUL.2004 12:07:31



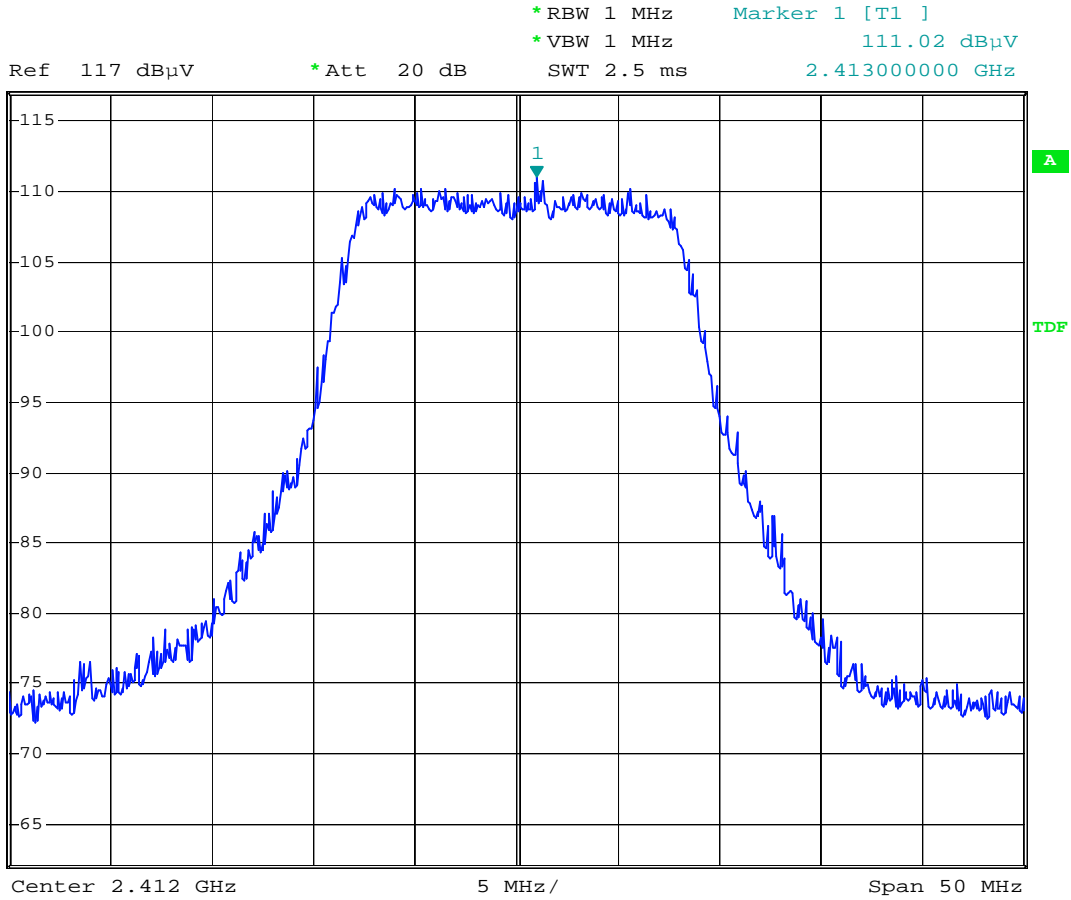
Comment: Band-edge test at high channel
 Comment: Average detector F1=2483.5MHz 802.11b
 Date: 20.JUL.2004 11:19:25



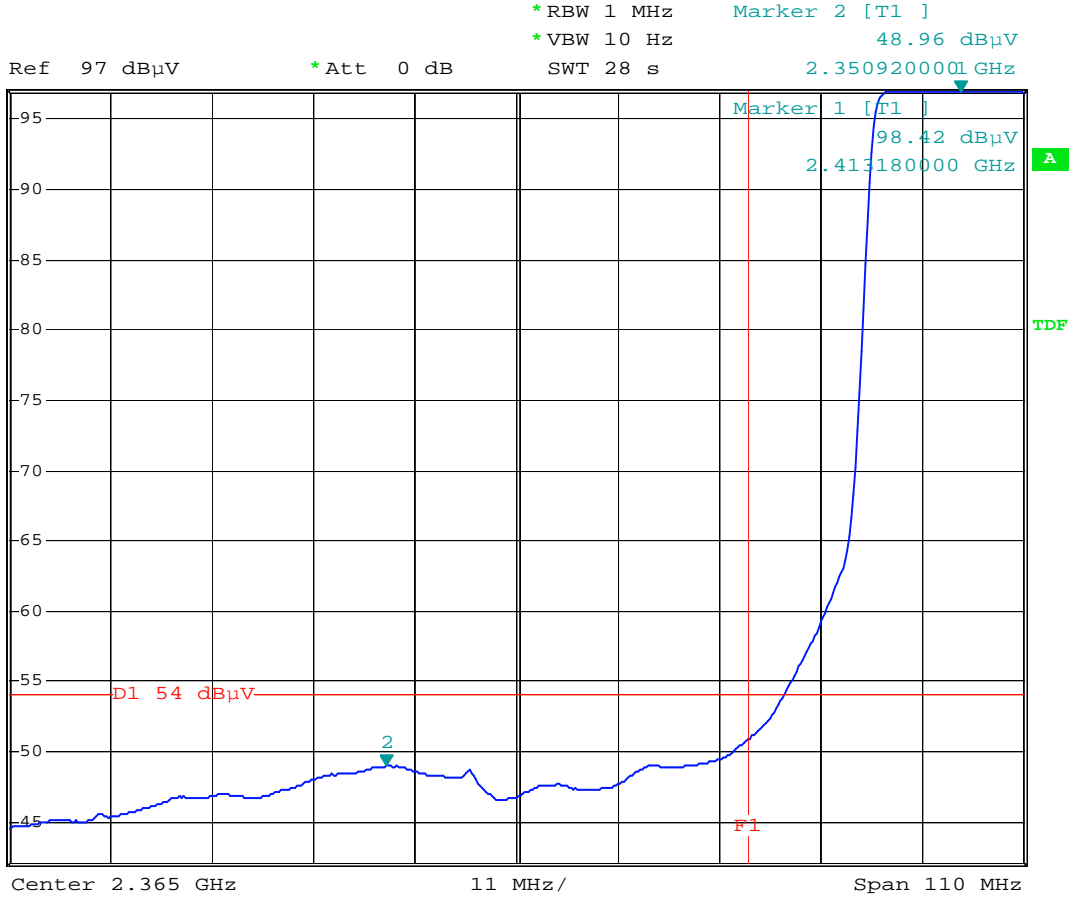
*RBW 1 MHz Marker 1 [T1]
 *VBW 10 Hz 109.19 dBμV
 Ref 117 dBμV *Att 20 dB SWT 12 s 2.461504000 GHz



Comment: Band-edge test at high channel
 Comment: Average detector F1=2483.5MHz 802.11b
 Date: 20.JUL.2004 11:22:22



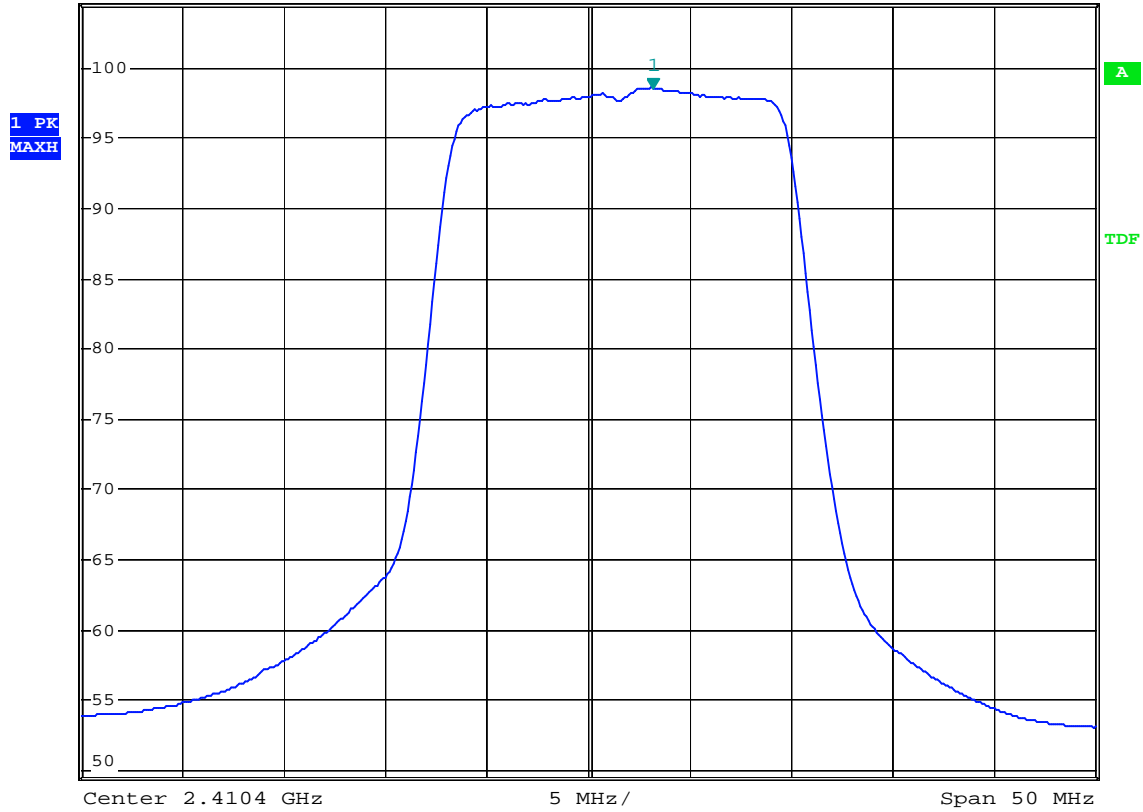
Comment: Band-edge test at low channel
Comment: Peak detector F2=2390MHz 802.11g
Date: 20.JUL.2004 13:57:20



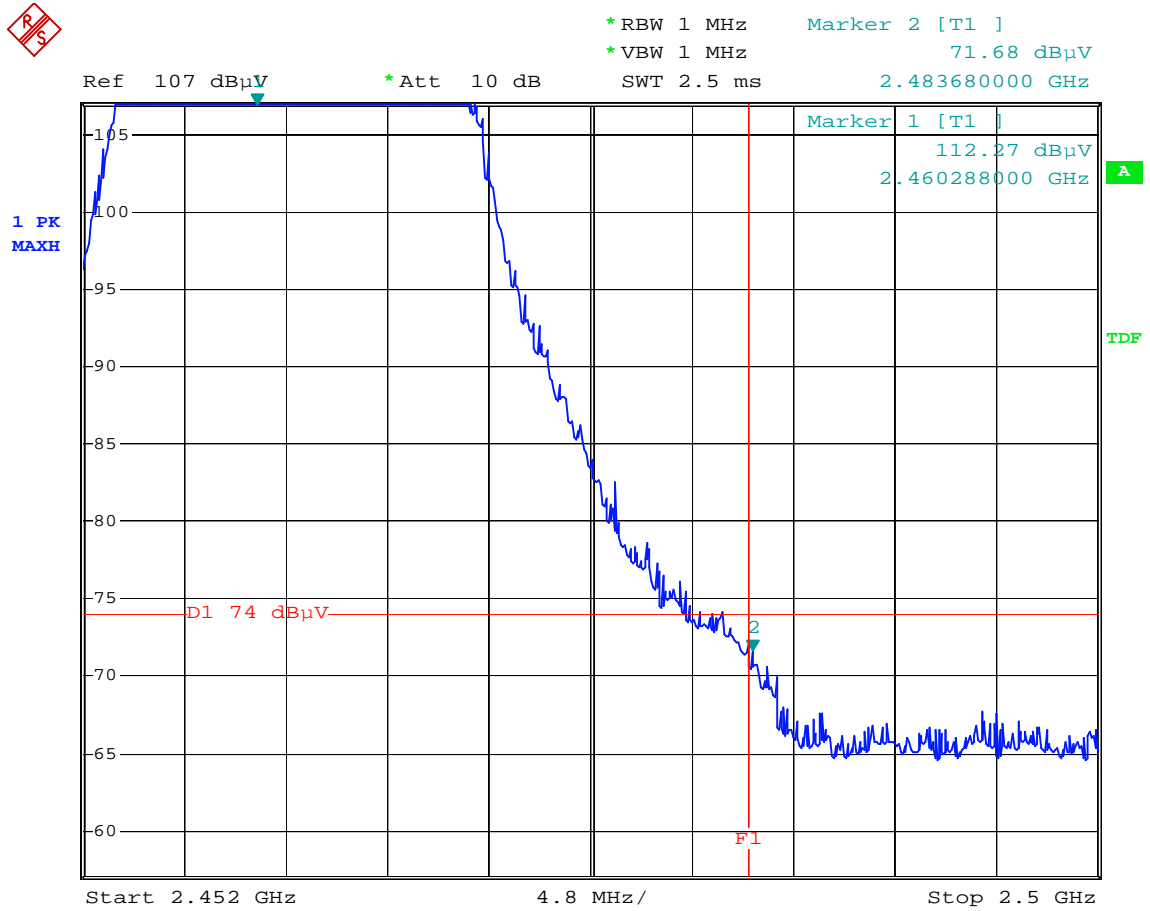
Comment: Band-edge test at low channel
 Comment: Average detector F2=2390MHz 802.11g
 Date: 6.AUG.2004 09:14:03



Ref 104.5 dB μ V *Att 10 dB *RBW 1 MHz Marker 1 [T1]
*VBW 10 Hz 98.58 dB μ V
SWT 12.5 s 2.413600000 GHz



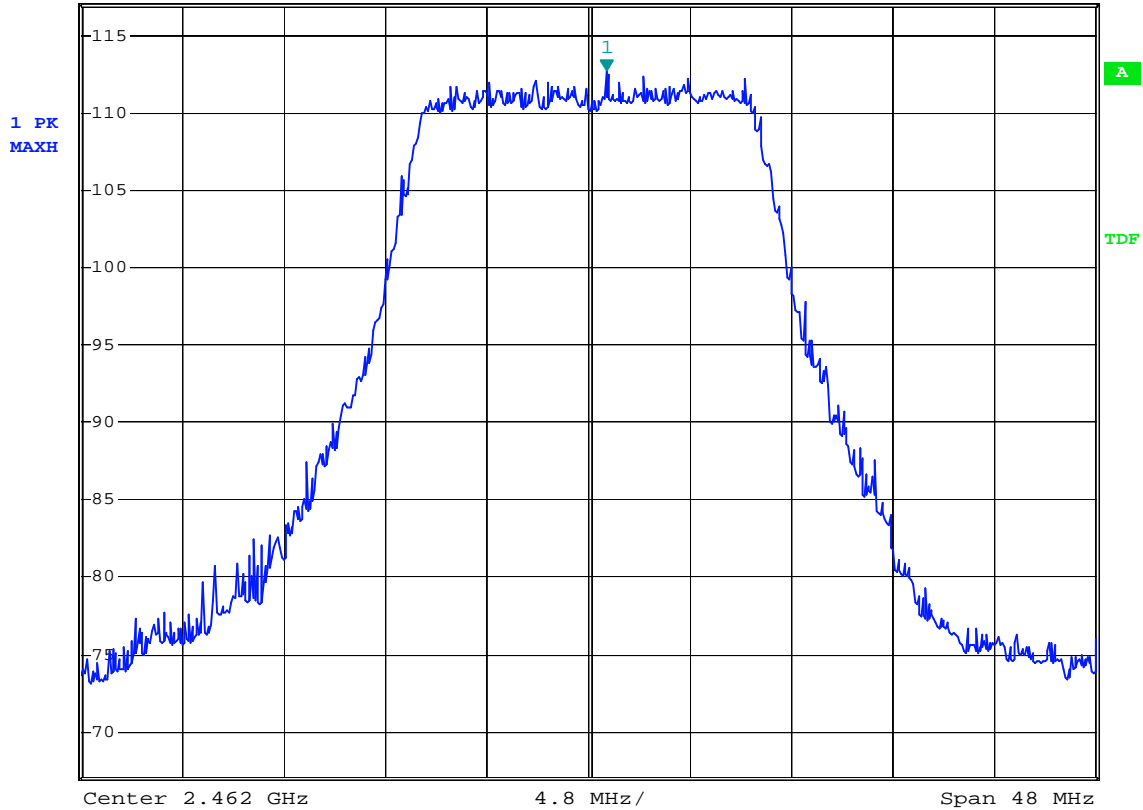
Comment: Band-edge test at low channel
Comment: Average detector F2=2390MHz 802.11g
Date: 6.AUG.2004 09:12:12



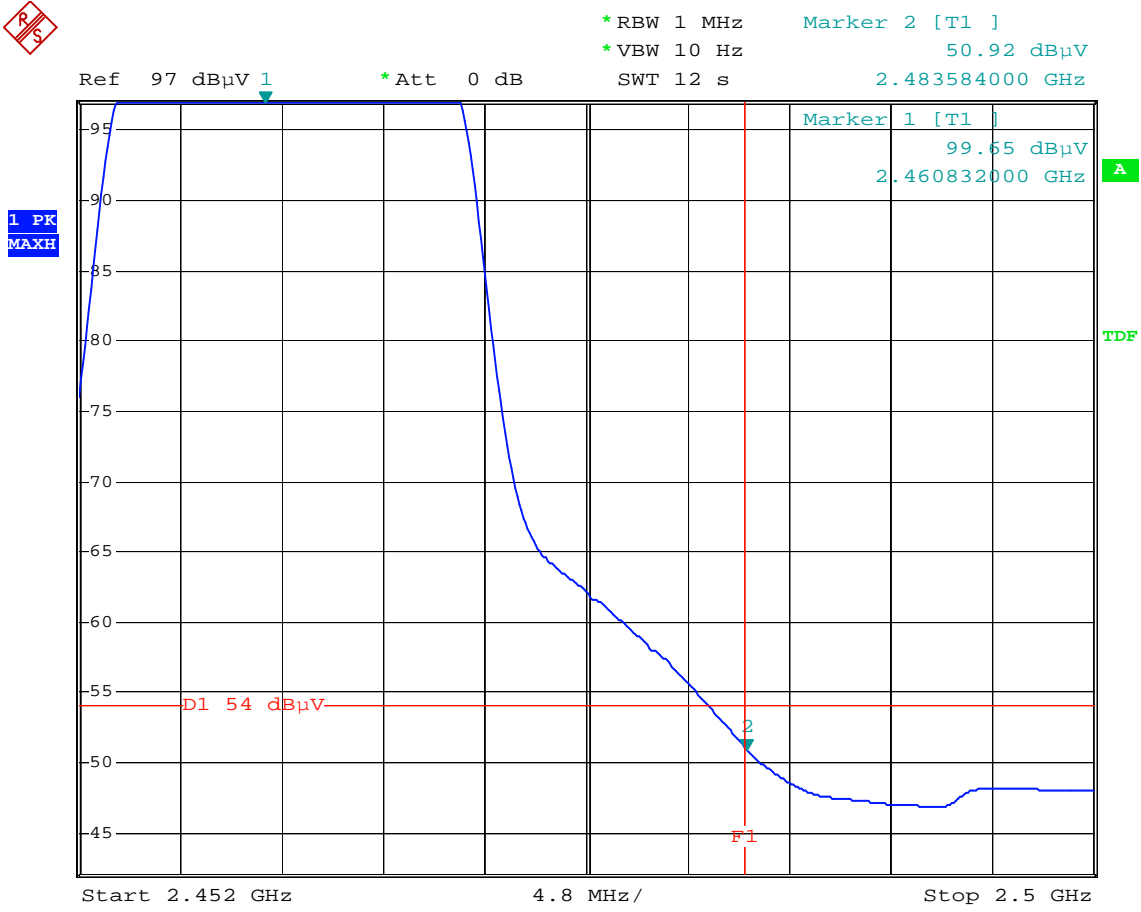
Comment: Band-edge test at high channel
 Comment: Peak detector F1=2483.5MHz 802.11g
 Date: 20.JUL.2004 14:06:07



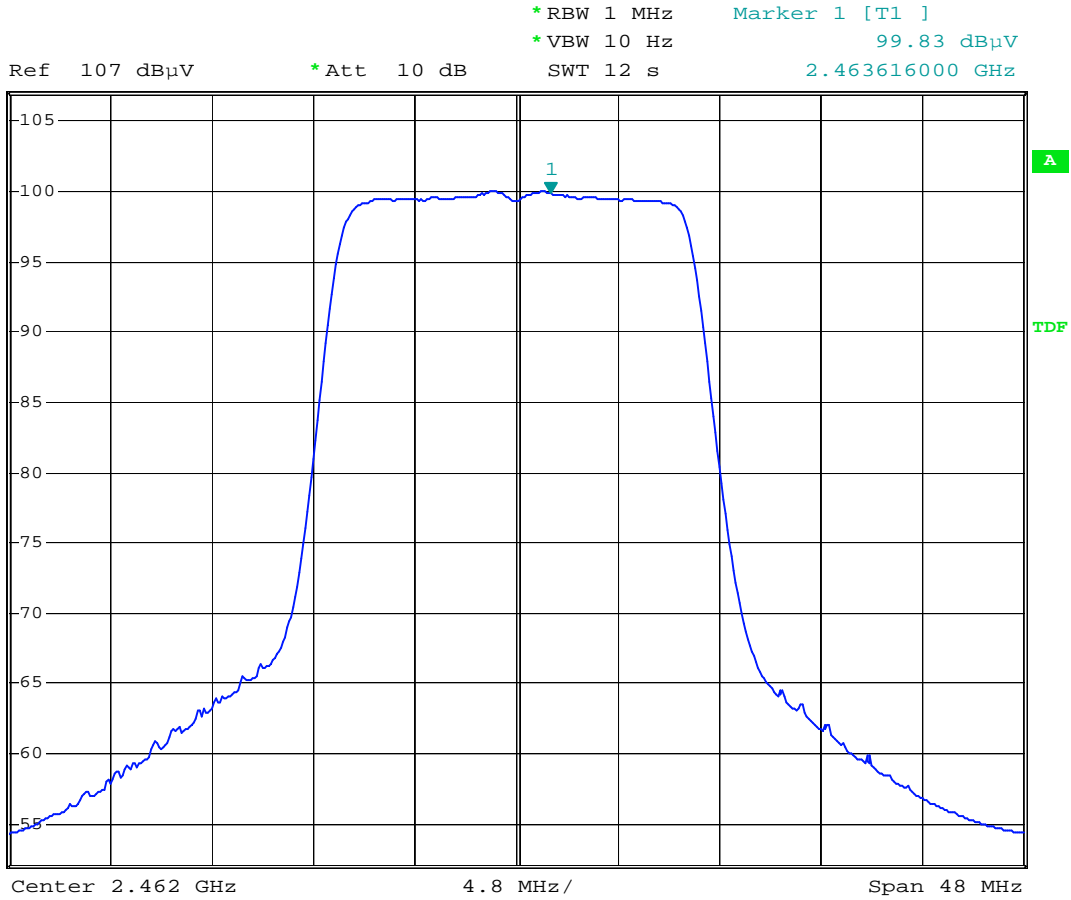
*RBW 1 MHz Marker 1 [T1]
 *VBW 1 MHz 112.75 dBμV
 Ref 117 dBμV *Att 20 dB SWT 2.5 ms 2.462864000 GHz



Comment: Band-edge test at high channel
 Comment: Peak detector F1=2483.5MHz 802.11g
 Date: 20.JUL.2004 14:08:22



Comment: Band-edge test at high channel
 Comment: Average detector F1=2483.5MHz 802.11g
 Date: 20.JUL.2004 14:10:49



Comment: Band-edge test at high channel
Comment: Average detector F1=2483.5MHz 802.11g
Date: 20.JUL.2004 14:12:34