

Straubing, September 16, 2002

**TEST - REPORT**

**No. 56305-20559-1**

**for**

**PCC-2411-PCE-BAS1**

**RF-modem for wireless LAN**

Applicant: Agere Systems Nederland B.V.

Purpose of testing: To show compliance with  
FCC Code of Federal Regulations,  
Part 15 Subpart C, Section §15.247  
RSS 210 Issue 5 (November 2001),  
Section 6.2.2(o)

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**Note:**

The test data of this report relate only to the individual item which has been tested. This report shall not be reproduced except in full extent without the written approval of the testing laboratory.

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**Table of Contents**

1.	Administrative Data .....	3
2.	Identification of Test Laboratory .....	4
3.	Summary of Test Results .....	5
4.	Operation Mode of EUT.....	6
5.	Configuration of EUT and Peripheral Devices .....	7
6.	Setup of Host .....	8
7.	Measuring Methods.....	9
7.1.	Minimum 6 dB Bandwidth (CFR47 §15.247.a2 / IC RSS-210 sec. 6.2.2(o)(b)).....	10
7.2.	Maximum Peak Output Power (CFR47 §15.247.b / IC RSS-210 sec. 6.2.2(o)(b)).....	11
7.3.	Peak Power Density (CFR47 §15.247.d / IC RSS-210 sec. 6.2.2(o)(b)).....	11
7.4.	Conducted Emission 0.45 MHz - 30 MHz (CFR47 §15.207 / IC RSS-210 sec. 6.6, 7.4).....	12
7.5.	Radiated Emission 30 MHz - 1 GHz (CFR47 §15.209, §15.247.c, §15.205.a,b / IC RSS-210 sec. 6.2.2(o)(e1), 6.3, 7.3) .....	14
7.6.	Radiated Emission 1 GHz - 25 GHz (CFR47 §15.209, §15.247.c, §15.205.a,b / IC RSS-210 sec. 6.2.2(o)(e1), 6.3, 7.3) .....	16
8.	Equipment List.....	18
9.	Photographs Taken During Testing.....	20
10.	List of Measurements .....	30
10.1.	List of Measurements according to FCC Part 15 Subpart C .....	31
10.2.	List of Measurements according to IC RSS-210 .....	32
11.	Test Results .....	33
12.	Additional Information supplementary to the Test Report .....	183

## 1. Administrative Data

Equipment Under Test (EUT):	PCC-2411-PCE-BAS1
Serial number(s):	02UTENG00002
Type of equipment:	RF-modem using DSSS technology for wireless connection for e.g. portable and mobile computers which have a PC-card-bus (PCMCIA).
Version:	as delivered
Parts/accessories:	see "Configuration of EUT and Peripheral Devices" on page 7
FCC-ID:	IMRPC2411B
<hr/>	
Applicant:	Agere Systems Nederland B.V.
(full address)	Zadelstede 1-10 NL-3431 JZ Nieuwegein The Netherlands
Contract identification:	---
Contact person:	Mr. Wout Kerkhof
Manufacturer:	Agere Systems Nederland B.V.
<hr/>	
Receipt of EUT:	September 3, 2002
Date of test:	September 4 to 16, 2002
Note:	---
<hr/>	
Responsible for testing:	Rainer Heller
Responsible for test report:	Rainer Heller

## 2. Identification of Test Laboratory

Test Laboratory:  
(full address): Senton GmbH EMI/EMC Test Center  
Aeussere Fruehlingstrasse 45  
D-94315 Straubing  
Germany

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Contact person: Mr. Johann Roidt  
Communication: Telephone (+49) 0 94 21 / 55 22-0  
Fax (+49) 0 94 21 / 55 22-99  
eMail: Office@senton.de

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FCC registration number: 90926  
Industry Canada file number: IC 3050

### 3. Summary of Test Results

The tested sample complies with the requirements<sup>1</sup> set forth in the Code of Regulations Part 15 Subpart C, section §15.247 (intentional radiators) of the Federal Communication Commission (FCC) and the Radio Standards Specification RSS-210, Issue 5 (November 2001), section 6.2.2(o) of Industry Canada.



Johann Roidt  
Technical Manager



Rainer Heller  
Test Engineer

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<sup>1</sup> Processing gain according to IC RSS-210 sec. 6.2.2(o)(b) is not part of this test report (test performed by applicant)

#### 4. Operation Mode of EUT

All tests were performed using the "Test program for wireless cards V0.33" ("wincert.exe"). According to applicant three different kinds of modulation are used for transmission specified by the appropriate bit rate:

Transmit mode (TX):

Operating frequency [GHz]	Rated output power (conducted) [dBm]			Test performed <sup>2</sup>
	Bit rate 2 Mbps	Bit rate 5.5 Mbps	Bit rate 11 Mbps	
2.412	+15	+15	+15	X
2.417	+15	+15	+15	
2.422	+15	+15	+15	
2.427	+15	+15	+15	
2.432	+15	+15	+15	
2.437	+15	+15	+15	
2.442	+15	+15	+15	X
2.447	+15	+15	+15	
2.452	+15	+15	+15	
2.457	+15	+15	+15	
2.462	+15	+15	+15	X

Receive mode (RX):

Operating frequency [GHz]	Test performed
2.412	
2.417	
2.422	
2.427	
2.432	
2.437	
2.442	X
2.447	
2.452	
2.457	
2.462	

<sup>2</sup> Full testing with bit rate 11 Mbps only

## 5. Configuration of EUT and Peripheral Devices

RF-modem module PCC-2411-PCE-BAS1 was tested operating with internal antenna and mounted in PC-card slot of notebook Dell Latitude C800 via PC-card extender (RF-modem module completely outside the notebook). This setup was selected to test the EUT as a modular device.

In table 1 used accessories and host equipment are listed (with Agere part numbers).

Item	Model or part no.	Serial no.	Designation	Manufacturer
RF-modem	023573/A	02UTENG00002	PCC-2411-PCE-BAS1	Agere
PC-card extender <sup>3</sup>	---	C050A-9000	PCCextend 50A	Sycard Technology
Notebook	---	8ZFB50J	Latitude C800	Dell
AC adapter	---	CN-09364U-16291-143-006V	AA20031	Dell

Table 1: EUT and accessories

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<sup>3</sup> Shielding improved by connecting housing of PC-card to ground layer and connector shield of adapter board

## 6. Setup of Host

### Configuration of cables of host

- Non shielded power line for AC-power supply of notebook, 180 cm

### Configuration of host and peripheral devices

- Notebook Dell Latitude C800:  
Serial no.: 8ZFB50J  
with  
AC adapter Dell AA20031:  
Serial no.: CN-09364U-16291-143-006V



## 7. Measuring Methods

### 7.1. Minimum 6 dB Bandwidth (CFR47 §15.247.a2)

The minimum 6 dB bandwidth was measured with a spectrum analyzer connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer was set to:

RBW = 100 kHz, VBW = 100 kHz, span = 50 MHz, sweep = 20 ms

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):

02, 57, 68

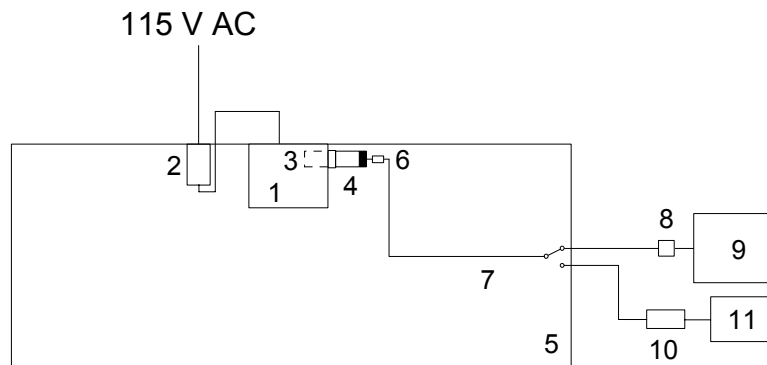


Figure 1: Measurement setup for testing on antenna connector

- |                           |                              |
|---------------------------|------------------------------|
| 1 Notebook (host)         | 6 DC-block                   |
| 2 AC adapter for notebook | 7 Test cable                 |
| 3 PC-card extender        | 8 Attenuator (if applicable) |
| 4 RF-modem                | 9 Spectrum analyzer          |
| 5 Wooden table            | 10 Power sensor              |
|                           | 11 Power meter               |

**7.2. Maximum Peak Output Power (CFR47 §15.247.b / IC RSS-210 sec. 6.2.2(o)(b))**

The maximum peak output power was measured with a power meter. The appropriate sensors (a thermocouple sensor indicating the RMS power and a peak sensor indicating the peak envelope power PEP) were connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

A spectrum analyzer (set to RBW = 100 kHz, VBW = 100 kHz, span = 100 MHz, sweep = 40 ms) was used to record the shape of the transmit signal. See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):  
02, 08, 09, 19, 57, 68, 70

**7.3. Peak Power Density (CFR47 §15.247.d / IC RSS-210 sec. 6.2.2(o)(b))**

The peak power density was measured with a spectrum analyzer connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer was set to max hold with  
RBW = 3 kHz, VBW = 100 kHz, span = 300 kHz, sweep = 100 s  
See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):  
02, 57, 68

#### **7.4. Conducted Emission 0.15 MHz - 30 MHz (CFR47 §15.207 / IC RSS-210 sec. 6.6, 7.4)**

Conducted emissions were measured in the frequency range 0.15 MHz to 30 MHz with bandwidth of the EMI-Receiver set to 10 kHz and according to the following procedure: First the whole spectrum of emission caused by equipment under test (EUT) was recorded with detector set to peak. After that all peak levels having less margin than 10 dB to the appropriate lower average limit were re-tested with detector set to quasi-peak. If average limit is kept no additional scan with average detector is necessary. In cases of emission levels between quasi-peak and average limit an additional scan with detector set to average has to be recorded.

Measurements were performed on phase(s) and neutral lines of the power-cords of the tested system. At the final test the cables and equipment were placed and moved within the range of positions likely to find their maximum emissions. The test setup was made in accordance with ANSI C63.4-1992.

. The bandwidth of the EMI-Receiver was set to 9 kHz with detector-function set to CISPR quasi-peak and, if necessary, additionally to average.

See figure 2 for the measurement setup.

Test equipment used (see equipment list for details):  
04, 22, 23, 60, 63

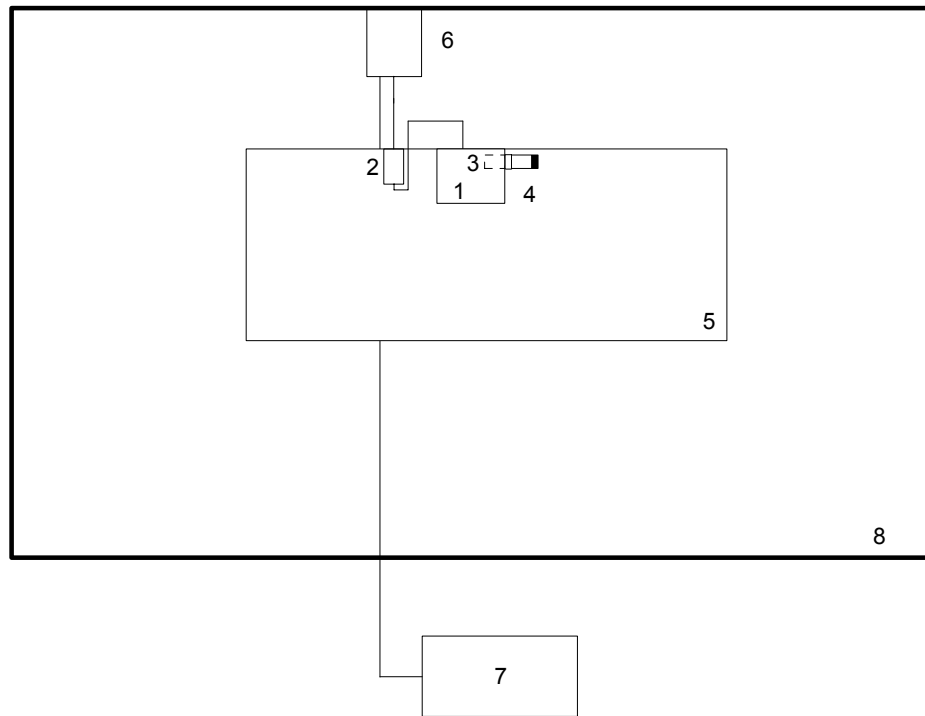


Figure 2: Measurement setup for conducted emission test

- |   |                         |   |               |
|---|-------------------------|---|---------------|
| 1 | Notebook (host)         | 6 | LISN for EUT  |
| 2 | AC adapter for notebook | 7 | Test receiver |
| 3 | PC-card extender        | 8 | Shielded room |
| 4 | RF-modem                |   |               |
| 5 | Wooden table            |   |               |

**7.5. Radiated Emission 30 MHz - 1 GHz (CFR47 §15.209, §15.247.c, §15.205.a,b / IC RSS-210 sec. 6.2.2(o)(e1), 6.3, 7.3)**

Radiated emissions were measured over the frequency range from 30 MHz to 1 GHz. The bandwidth of the EMI-receiver was set to 120 kHz and the detector-function was set to CISPR quasi-peak.

The test setup was made in accordance with ANSI C63.4-1992. Measurements were made in both the horizontal and vertical planes of polarization. Preliminary scans were taken in a semi-anechoic room using a spectrum analyzer with the detector function set to peak. All tests were performed at a test-distance of 3 meters. For final testing an open-area test-site was used. During the tests the EUT was rotated all around and the receiving-antenna was raised and lowered from 1 meter to 4 meters to find the maximum levels of emissions. The cables and equipment were placed and moved within the range of position likely to find their maximum emissions.

See figure 3 for the measurement setup.

Test equipment used (see equipment list for details):

01, 06, 12, 38, 39, 40, 41, 58, 61, 64, 66

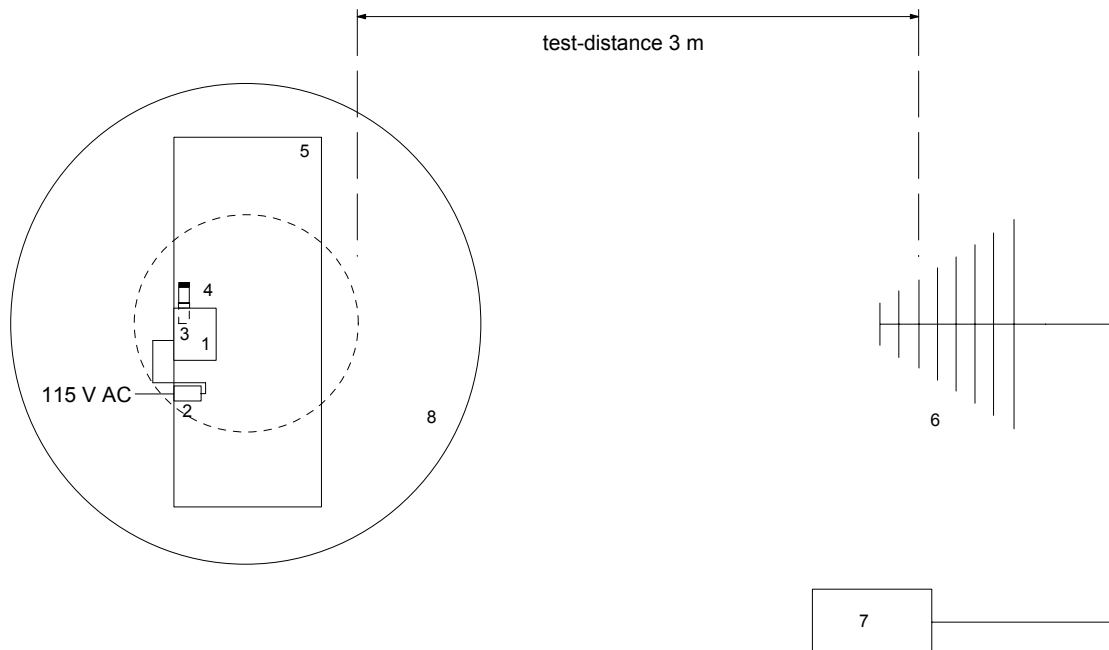


Figure 3: Measurement setup for radiated emission test below 1 GHz

- |   |                         |   |                     |
|---|-------------------------|---|---------------------|
| 1 | Notebook (host)         | 6 | Measurement antenna |
| 2 | AC adapter for notebook | 7 | Test receiver       |
| 3 | PC-card extender        | 8 | Turn table          |
| 4 | RF-modem                |   |                     |
| 5 | Wooden table            |   |                     |

**7.6. Radiated Emission 1 GHz - 25 GHz (CFR47 §15.209, §15.247.c, §15.205.a,b / IC RSS-210 sec. 6.2.2(o)(e1), 6.3, 7.3)**

Radiated emissions were measured in the frequency range 1 GHz to 25 GHz in transmit mode and 1 GHz to 12.5 GHz in receive mode. The resolution bandwidth of the spectrum analyzer was set to 1 MHz. Scans for the whole frequency range were taken with video bandwidth set to 1 MHz to check out the highest peak levels. In case of less margin to average limit additional prescans were made with video bandwidth reduced from 1 MHz to 100 kHz, 30 kHz or 10 kHz. Final measurements were performed at the critical frequencies with video bandwidth of the spectrum analyzer set to 1 kHz (average mode). EUT was rotated all around and receiving antenna was raised and lowered to find the maximum levels of emission. Cables and equipment were placed and moved within the range of position likely to find their maximum emissions.

All tests were performed in a semi-anechoic chamber with a test-distance of 3 meters (except for the frequency range 18 GHz - 25 GHz where test distance was reduced to 0.5 meter).

To avoid overload in transmit mode no preamplifier was used between 1 GHz and 3.95 GHz. Above 3.95 GHz tests were performed with appropriate preamplifiers (attenuation of operating frequency by horn antenna is sufficient to avoid overload of preamplifier). For receive mode appropriate preamplifiers were used for the whole frequency range.

See figure 4 for the measurement setup.

Test equipment used (see equipment list for details):  
02, 13, 14, 16, ,42, 43, 44, 45, 46, 47, 48, 49, 57, 64



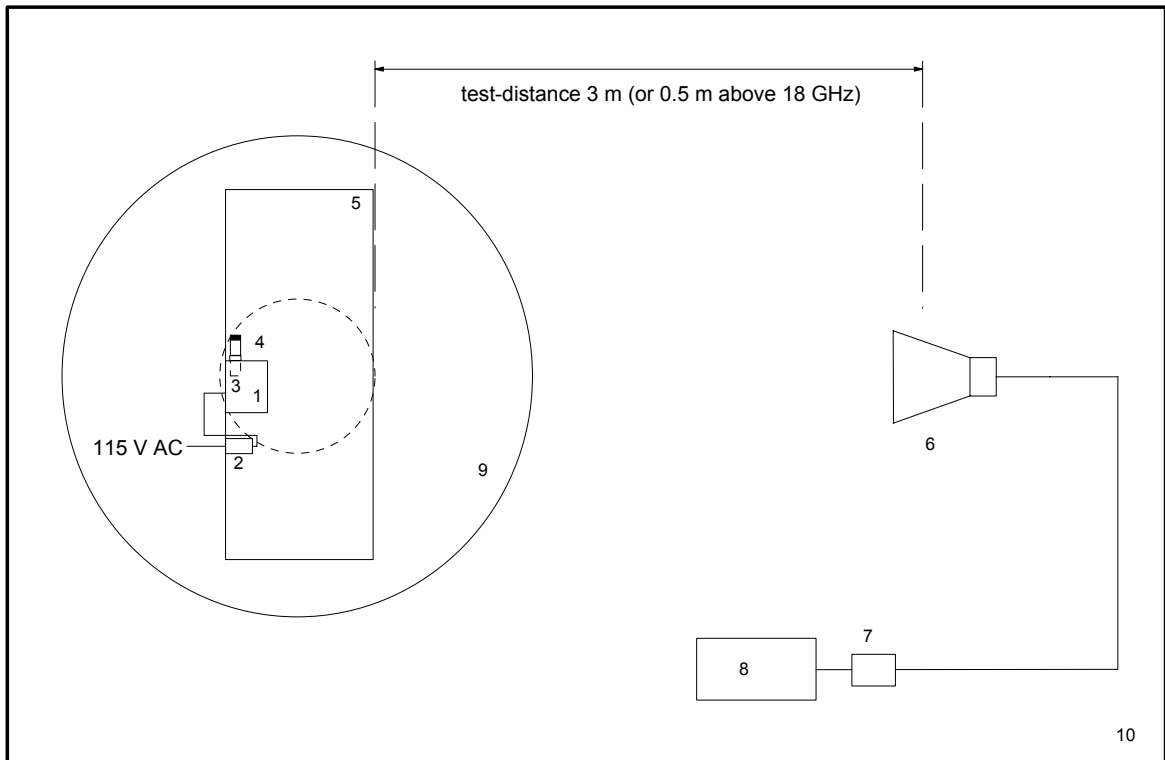


Figure 4: Measurement setup for radiated emission test above 1 GHz

- |          |                         |           |                              |
|----------|-------------------------|-----------|------------------------------|
| <b>1</b> | Notebook (host)         | <b>6</b>  | Measurement antenna          |
| <b>2</b> | AC adapter for notebook | <b>7</b>  | Preamplifier (if applicable) |
| <b>3</b> | PC-card extender        | <b>8</b>  | Spectrum analyzer            |
| <b>4</b> | RF-modem                | <b>9</b>  | Turn table                   |
| <b>5</b> | Wooden table            | <b>10</b> | Semi-anechoic room           |

## 8. Equipment List

To facilitate reference to test equipment used for related tests, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory.

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	R 3271	05050023	Advantest
02	EMI Test Receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
03	Test Receiver	ESH 3	880112/032	Rohde & Schwarz
04	Test Receiver	ESHS 10	860043/016	Rohde & Schwarz
05	Test Receiver	ESV	881414/009	Rohde & Schwarz
06	Test Receiver	ESVP	881120/024	Rohde & Schwarz
07	Audio Analyzer	UPA	862954	Rohde & Schwarz
08	Power Meter	NRVS	836856/015	Rohde & Schwarz
09	Power Sensor	NRV-Z52	837901/030	Rohde & Schwarz
10	Power Sensor	NRV-Z4	863828/015	Rohde & Schwarz
11	Preamplifier	ESV-Z3	860907/004	Rohde & Schwarz
12	Preamplifier	R14601		Advantest
13	Preamplifier	ACX/080-3030	32640	CTT
14	Preamplifier	ACO/180-3530	32641	CTT
15	Signal Generator	SMS	872166/039	Rohde & Schwarz
16	Signal Generator	HP 8673 D	2930A00966	Hewlett Packard
17	Waveform Generator	HP 33120 A	US34005375	Hewlett Packard
18	Attenuator 20 dB	4776-20	9503	Narda
19	Attenuator 10 dB	4776-10	9412	Narda
20	Pulse Limiter	ESH 3-Z2	1144	Rohde & Schwarz
21	Pulse Limiter	11947 A	3107A00566	Hewlett Packard
22	V-Network	ESH 3-Z5	862770/018	Rohde & Schwarz
23	V-Network	ESH 3-Z5	894785/005	Rohde & Schwarz
24	V-Network	ESH 3-Z5	830952/025	Rohde & Schwarz
25	V-Network	ESH 3-Z6	830722/010	Rohde & Schwarz
26	V-Network	NSLK 8127	8127152	Schwarzbeck
27	V-Network	NNLA 8119	8119148	Schwarzbeck
28	V-Network	SE 01	01	Senton
29	T-Network	ESH 3-Z4	890602/011	Rohde & Schwarz
30	T-Network	ESH 3-Z4	890602/012	Rohde & Schwarz
31	High Impedance Probe	TK 9416	01	Schwarzbeck
32	High Impedance Probe	TK 9416	02	Schwarzbeck
33	Current Probe	ESH 2-Z1	863366/18	Rohde & Schwarz
34	Current Probe	ESV-Z1	862553/3	Rohde & Schwarz

No.	Type	Model	Serial Number	Manufacturer
35	Absorbing Clamp	MDS 21	80911	Lüthi
36	Absorbing Clamp	MDS 21	79690	Lüthi
37	Loop Antenna	HFH2-Z2	882964/1	Rohde & Schwarz
38	Biconical Antenna	HK 116	842204/001	Rohde & Schwarz
39	Biconical Antenna	HK 116	836239/02	Rohde & Schwarz
40	Log. Periodic Antenna	HL 223	841516/023	Rohde & Schwarz
41	Log. Periodic Antenna	HL 223	834408/12	Rohde & Schwarz
42	Horn Antenna	3115	9508-4553	Emco
43	Horn Antenna	3160-03	9112-1003	Emco
44	Horn Antenna	3160-04	9112-1001	Emco
45	Horn Antenna	3160-05	9112-1001	Emco
46	Horn Antenna	3160-06	9112-1001	Emco
47	Horn Antenna	3160-07	9112-1008	Emco
48	Horn Antenna	3160-08	9112-1002	Emco
49	Horn Antenna	3160-09	9403-1025	Emco
50	Digital multimeter	199	463386	Keithley
51	DC Power Supply	NGSM 32/10	203	Rohde & Schwarz
52	DC Power Supply	NGB	2455	Rohde & Schwarz
53	DC Power Supply	NGA	386	Rohde & Schwarz
54	Temperature Test Chamber	HT4010	07065550	Heraeus
55	Cable	RG214	1309	Senton
56	Cable	200CM_001	1357	Rosenberger
57	Cable	150CM_001	1479	Rosenberger
58	Cable Set EG1	RG214	1189 - 1191	Senton
59	Cable Set Cabine 1	RG214		Senton
60	Cable Set Cabine 2	RG214		Senton
61	Cable Set Cabine 3	RG214		Senton
62	Shielded Room	No. 1	1451	Senton
63	Shielded Room	No. 2	1452	Senton
64	Semi-anechoic Chamber	No. 3	1453	Siemens
65	Shielded Room	No. 4	1454	Euroshield
66	Open Area Test Site	EG 1		Senton
67	Cable for Antenna Connector			Agere
68	DC Block 0.01-18GHz		8037	Inmet Corp.
69	High pass filter			Agere
70	Power Sensor	NRV-Z31	836299/012	Rohde & Schwarz

## 9. Photographs Taken During Testing

## Photo No. 9.1

### Test setup for conducted emission test 150 kHz - 30 MHz



## Photos No. 9.2 - 9.3

### Test setup for conducted emission test 150 kHz - 30 MHz - continued -



## Photos No. 9.4 - 9.5

### Test setup for radiated emission pre-test 30 MHz - 1 GHz (semi anechoic room)



## Photos No. 9.6 - 9.7

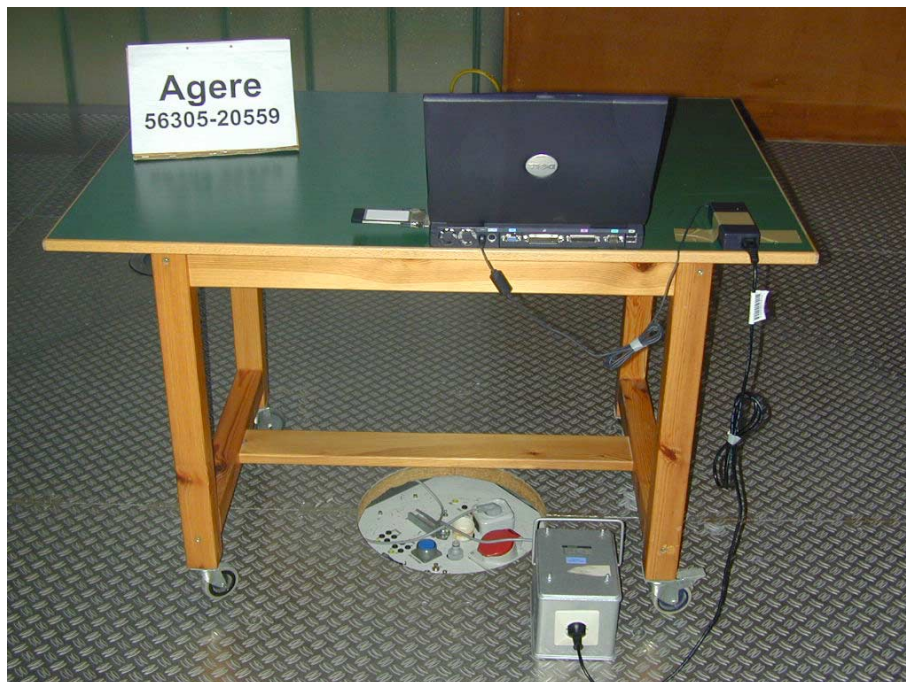
Test setup for radiated emission pre-test 30 MHz - 1 GHz (semi anechoic room)  
- continued -





## Photos No. 9.8 - 9.9

Test setup for radiated emission final test 30 MHz - 1 GHz (open area test site)



## Photos No. 9.10 - 9.11

Test setup for radiated emission final test 30 MHz - 1 GHz (open area test site)  
- continued -



## Photos No. 9.12 - 9.13

### Test setup for radiated emission test above 1 GHz (semi anechoic room)



Photos No. 9.14 - 9.15

Test setup for radiated emission test above 1 GHz (semi anechoic room)  
- continued -



## 10. Referenced Regulations

All tests were performed with reference to the

Code of Regulations Part 15 (edition May 30, 2002), Subpart C, section §15.247  
(intentional radiators) of the Federal Communication Commission (FCC)

and the

Radio Standards Specification RSS-210, Issue 5 (November 2001) of Industry Canada.

## 11. List of Measurements

### Notes

- Note 1:** Maximum peak output power was measured while either using bit rate 2, 5.5 or 11 Mbps. Radiated emission tests in transmit mode were performed with bit rate set to 11 Mbps only. However, special care was taken to observe the different results of TX fundamental and (even) harmonics when selecting 11 (or 5.5) Mbps on the one hand, and 2 Mbps on the other hand. Therefore additional emission tests at band edges and TX harmonics were performed with 2 Mbps. Only critical harmonics observed with 11 Mbps (i.e. with less than 10 dB margin of peak levels to average limit) were re-tested with bit rate set to 2 Mbps.

## 11.1. List of Measurements according to FCC Part 15 Subpart C

FCC Part 15 Subpart C			
Section(s):	Test	Page	Result
	<b>Transmit mode (TX):</b>	34	
§15.247.a2	Minimum 6 dB bandwidth	35	passed
§15.247.b	Maximum peak output power	44	passed
§15.247.d	Peak power density	55	passed
§15.247.c	Frequency range (conducted)	76	for information only
	Processing gain	---	not applicable
§15.207	Conducted emission test 150 kHz - 30 MHz	80	not applicable
§15.247.c §15.209 §15.205.a,b	Radiated emission test 9 kHz - 30 MHz	---	not applicable (acc. to §15.33)
§15.247.c §15.209 §15.205.a,b	Radiated emission test 30 MHz - 1 GHz	92	passed
§15.247.c §15.209 §15.205.a,b	Radiated emission test 1 GHz - 25 GHz	116	passed
	<b>Receive mode (RX):</b>	168	
§15.207	Conducted emission test 150 kHz - 30 MHz	169	passed
§15.209	Radiated emission test 9 kHz - 30 MHz	---	not applicable (acc. to §15.33)
§15.209	Radiated emission test 30 MHz - 1 GHz	173	passed
§15.209	Radiated emission test 1 GHz - 12.5 GHz	181	passed

## 11.2. List of Measurements according to IC RSS-210

IC RSS-210 Issue 5			
Section(s):	Test	Page	Result
	<b>Transmit mode (TX):</b>	34	
	Minimum 6 dB bandwidth	---	not applicable
<b>6.2.2(o)(b)</b>	Transmitter output power	44	passed
<b>6.2.2(o)(b)</b>	Transmitter power spectral density	55	passed
<b>6.2.2(o)(e1)</b>	Frequency range (conducted)	76	for information only
<b>6.2.2(o)(b)</b>	Processing gain	---	performed by applicant
<b>6.6</b>	Transmitter AC wireline conducted emissions 450 kHz - 30 MHz	80	passed
<b>6.2.2(o)(e1), 6.3</b>	Out of band emissions 9 kHz - 30 MHz	---	not applicable
<b>6.2.2(o)(e1), 6.3</b>	Out of band emissions t 30 MHz - 1 GHz	92	passed
<b>6.2.2(o)(e1), 6.3</b>	Out of band emissions 1 GHz - 25 GHz	116	passed
	<b>Receive mode (RX):</b>	168	
<b>7.4</b>	Receiver AC wireline conducted emissions 450 kHz - 30 MHz	169	passed
<b>7.3</b>	Receiver spurious emissions (radiated) 9 kHz - 30 MHz	---	not applicable
<b>7.3</b>	Receiver spurious emissions (radiated) 30 MHz - 1 GHz	173	passed
<b>7.3</b>	Receiver spurious emissions (radiated) 1 GHz - 12.5 GHz	181	passed



## 12. Test Results

**Test results for  
Transmit (TX) mode**

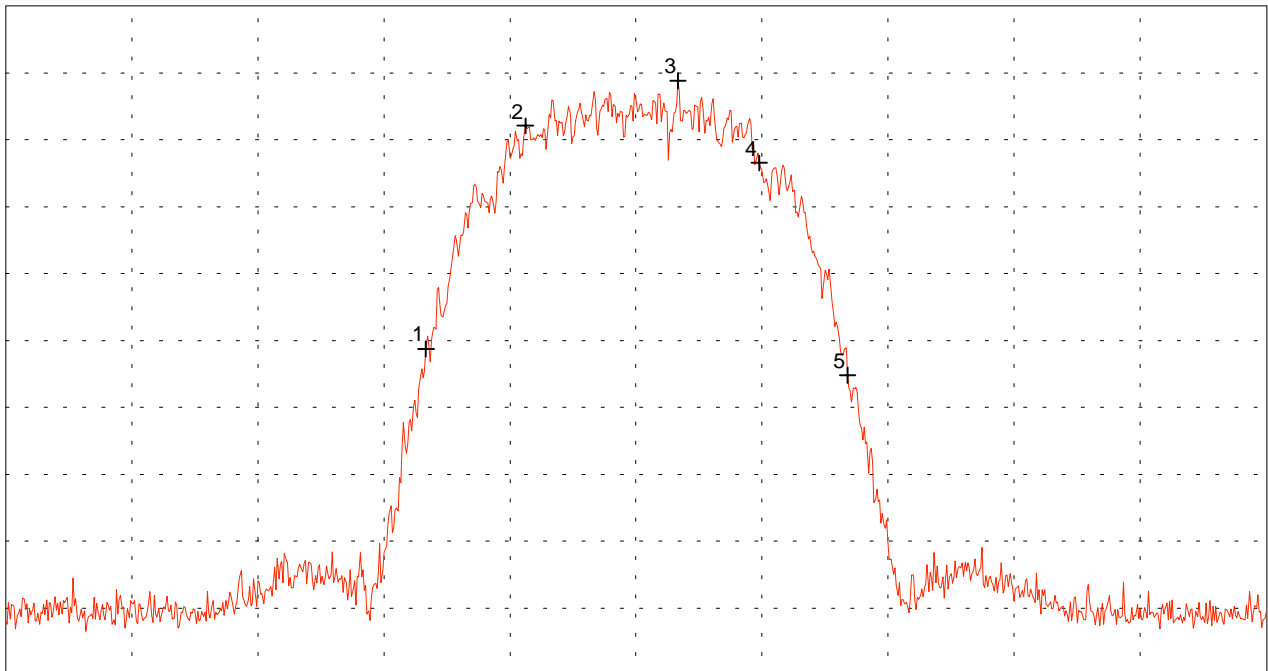
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 11 Mbps  - TX mode with $f = 2.412$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector  Delta $f$ (-6 dB points) = 9.27 MHz
   	Result: Test passed Note: -20 dB points for information only!

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.387 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.437 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.403667 GHz	-15.64 dBm
No. 2	2.407611 GHz	1.05 dBm
No. 3	2.413667 GHz	4.41 dBm
No. 4	2.416889 GHz	-1.73 dBm
No. 5	2.420389 GHz	-17.60 dBm

Tested by:  
**Rainer Heller**

Date:  
**09/16/2002**

Project-No.:  
**56305-20559-1**

Page 35 of 183 Pages

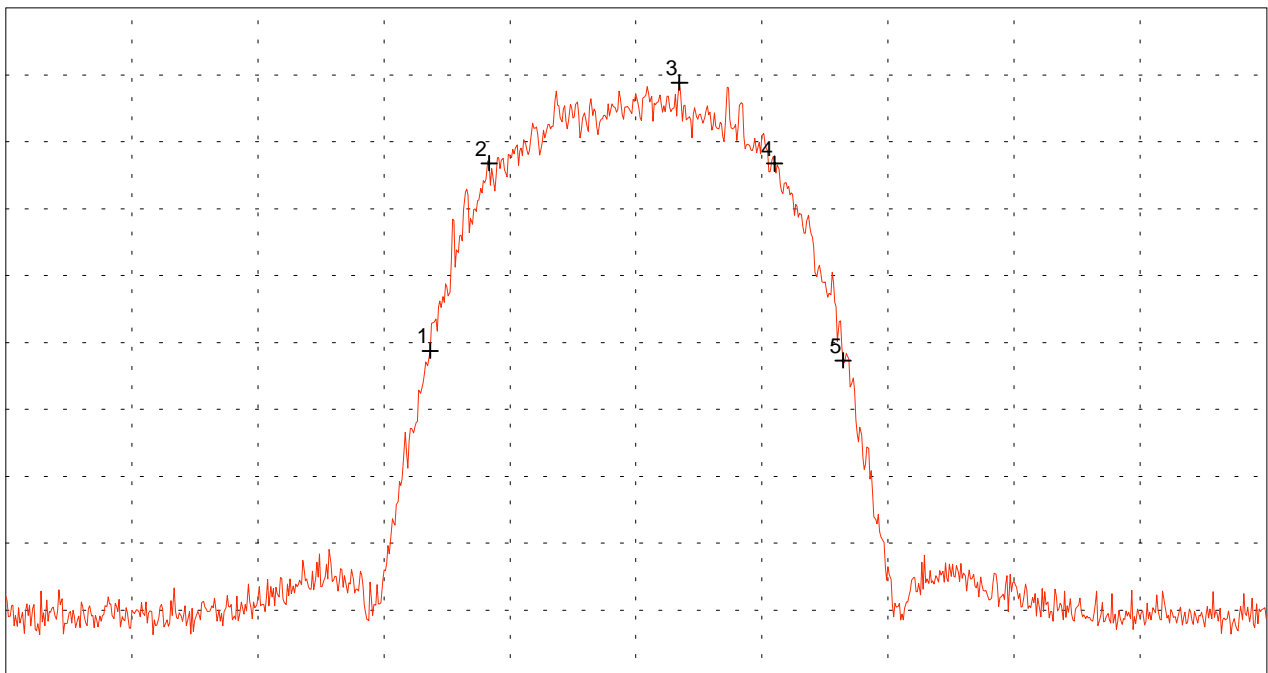
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 5.5 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Delta <math>f</math> (-6 dB points) = 11.33 MHz</p> <p>Result: Test passed</p> <p>Note: -20 dB points for information only!</p>
--	--

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.387 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.437 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.403833 GHz	-15.63 dBm
No. 2	2.406167 GHz	-1.60 dBm
No. 3	2.413722 GHz	4.42 dBm
No. 4	2.417500 GHz	-1.63 dBm
No. 5	2.420222 GHz	-16.33 dBm

Tested by:  
Rainer Heller

Date:  
09/16/2002

Project-No.:  
56305-20559-1

Page 36 of 183 Pages

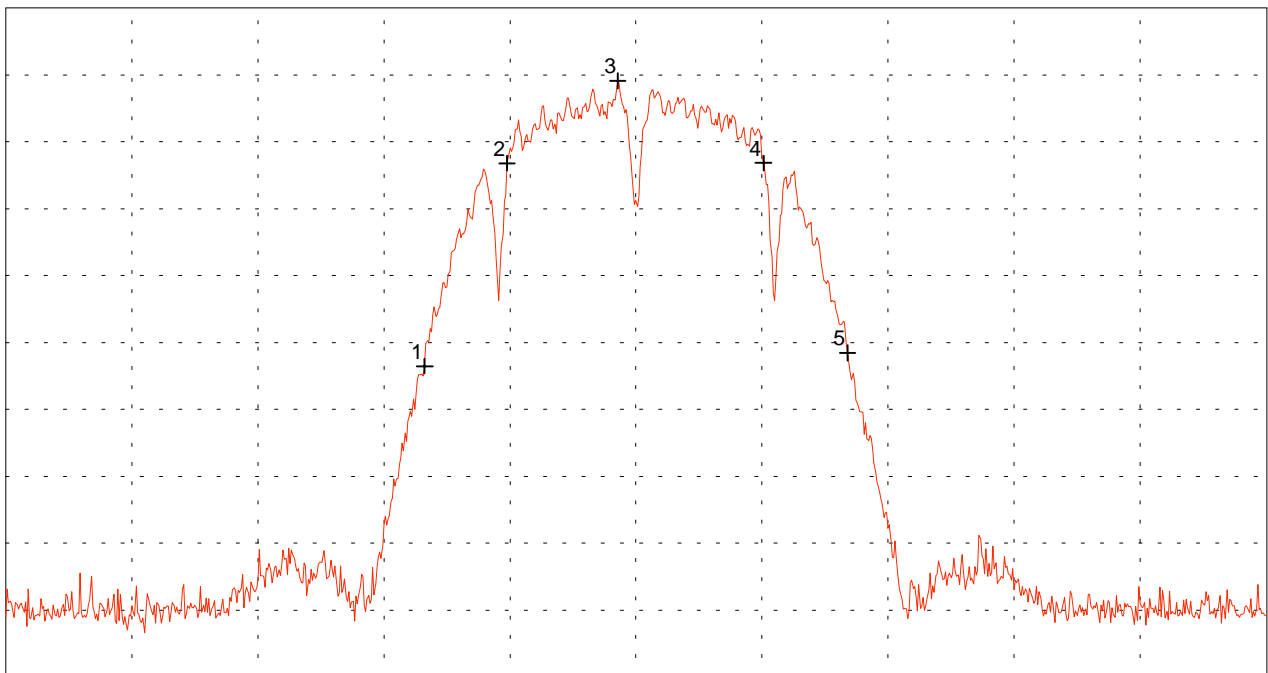
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 2 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Delta <math>f</math> (-6 dB points) = 10.16 MHz</p> <p>Result: Test passed</p> <p>Note: -20 dB points for information only!</p>
--	--

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.387 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.437 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.403611 GHz	-16.77 dBm
No. 2	2.406889 GHz	-1.60 dBm
No. 3	2.411278 GHz	4.55 dBm
No. 4	2.417056 GHz	-1.59 dBm
No. 5	2.420389 GHz	-15.78 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 37 of 183 Pages</p>

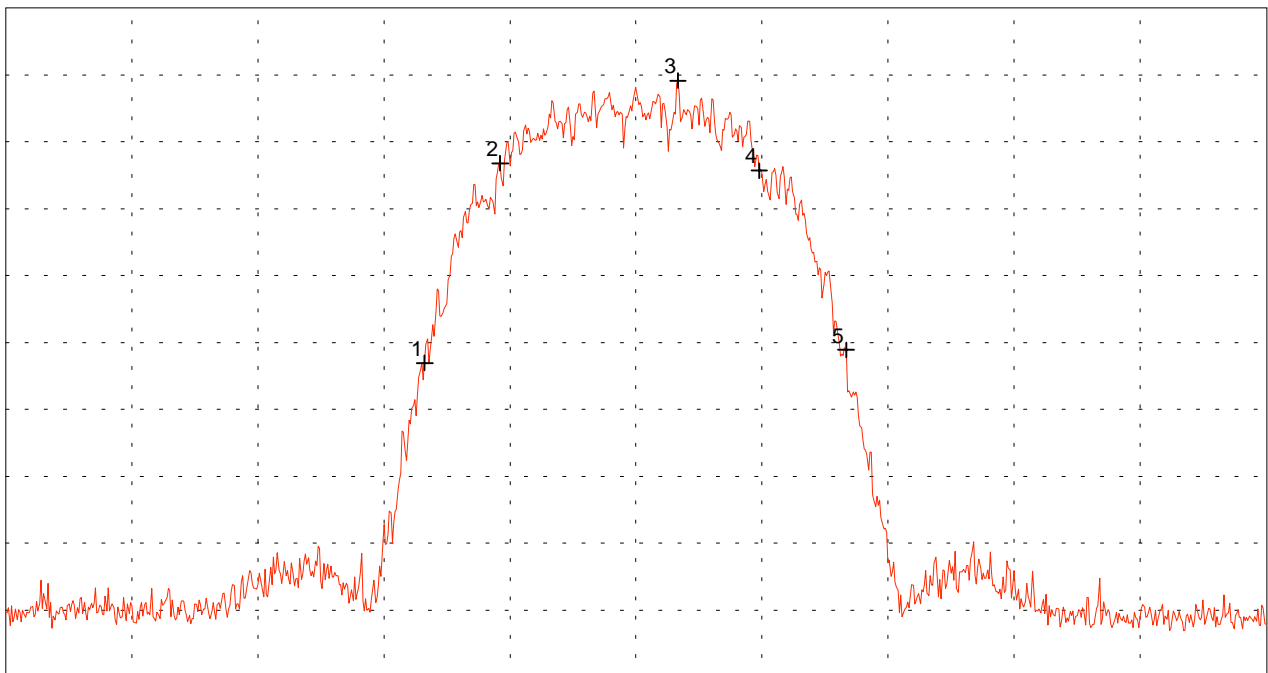
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.442</math> GHz</p> <p>Tested on: antenna connector</p> <p>Delta <math>f</math> (-6 dB points) = 10.27 MHz</p> <p>Result: Test passed</p> <p>Note: -20 dB points for information only!</p>
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Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.417 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.467 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.433611 GHz	-16.53 dBm
No. 2	2.436611 GHz	-1.60 dBm
No. 3	2.443667 GHz	4.57 dBm
No. 4	2.446889 GHz	-2.15 dBm
No. 5	2.450333 GHz	-15.57 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 38 of 183 Pages

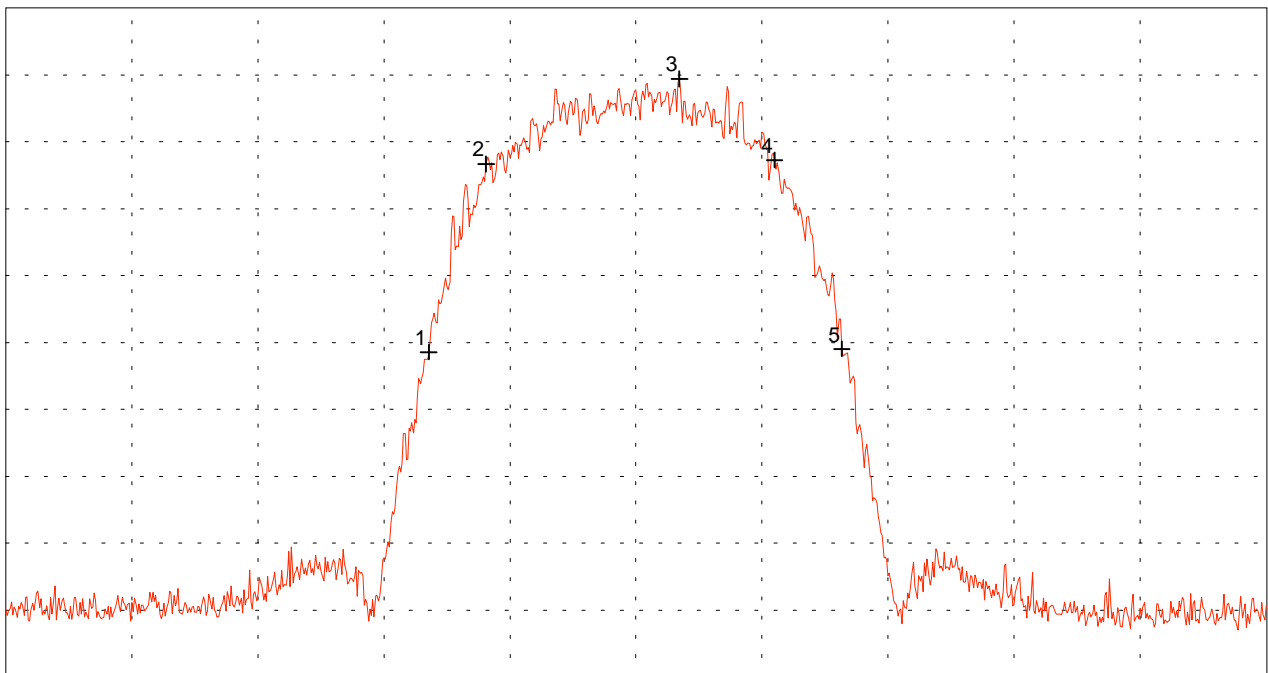
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 5.5 Mbps  - TX mode with $f = 2.442$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector  Delta $f$ (-6 dB points) = 11.44 MHz
	Result: Test passed Note: -20 dB points for information only!

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.417 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.467 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.433778 GHz	-15.73 dBm
No. 2	2.436056 GHz	-1.66 dBm
No. 3	2.443722 GHz	4.70 dBm
No. 4	2.447500 GHz	-1.37 dBm
No. 5	2.450167 GHz	-15.49 dBm

Tested by:  
**Rainer Heller**

Date:  
**09/16/2002**

Project-No.:  
**56305-20559-1**

Page 39 of 183 Pages

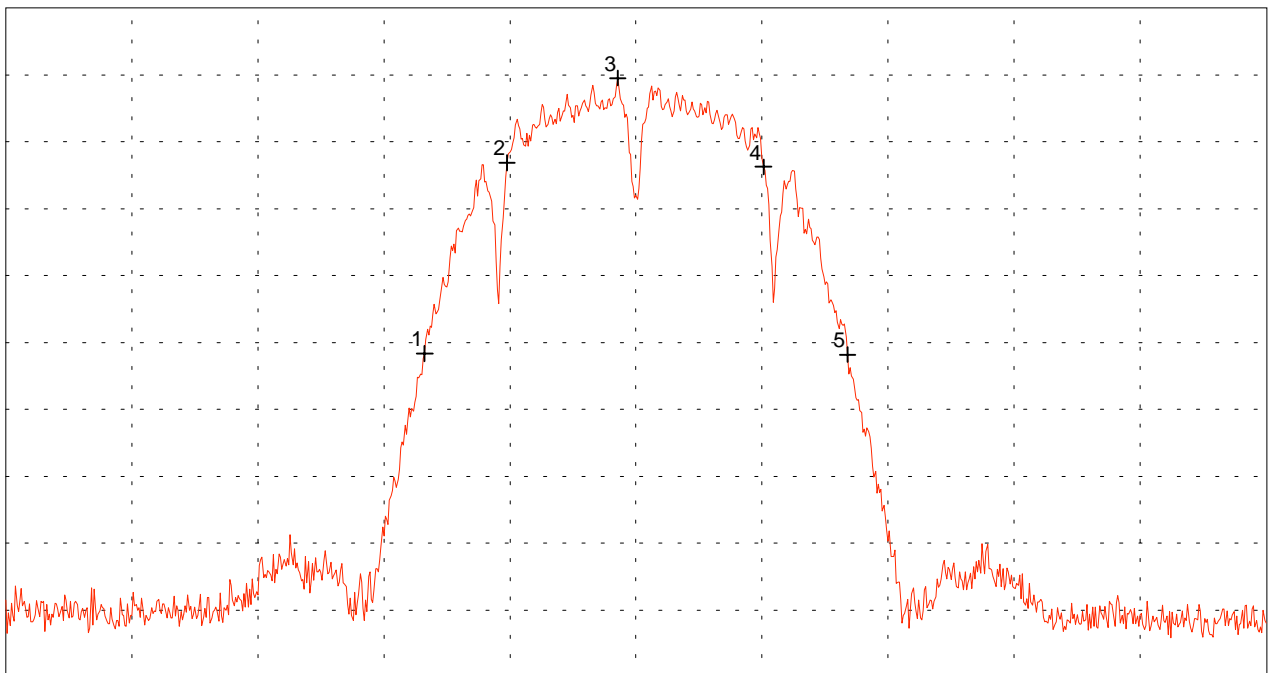
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 2 Mbps - TX mode with $f = 2.442$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector Delta $f$ (-6 dB points) = 10.16 MHz
	Result: Test passed Note: -20 dB points for information only!

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.417 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.467 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.433611 GHz	-15.83 dBm
No. 2	2.436889 GHz	-1.57 dBm
No. 3	2.441278 GHz	4.76 dBm
No. 4	2.447056 GHz	-1.88 dBm
No. 5	2.450389 GHz	-15.91 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 40 of 183 Pages



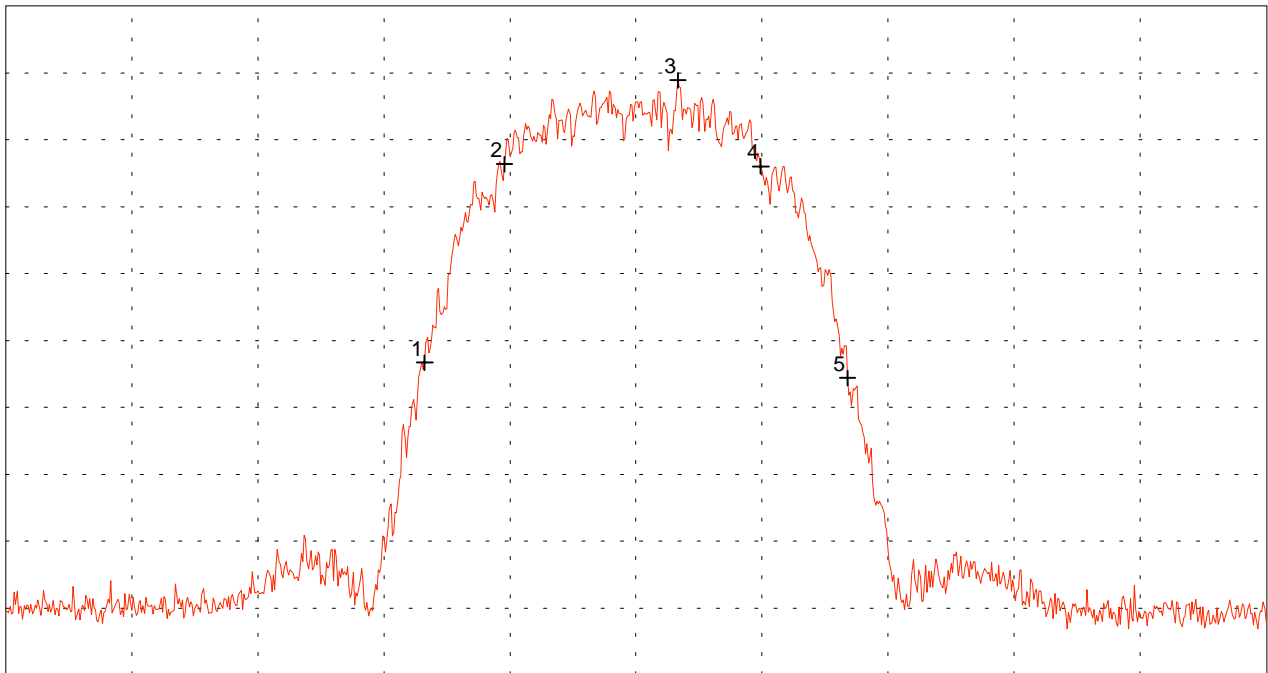
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with $f = 2.462$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Delta $f$ (-6 dB points) = 10.16 MHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Result: Test passed Note: -20 dB points for information only!

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.437 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.453611 GHz	-16.66 dBm
No. 2	2.456778 GHz	-1.82 dBm
No. 3	2.463667 GHz	4.44 dBm
No. 4	2.466944 GHz	-1.99 dBm
No. 5	2.470389 GHz	-17.81 dBm

Tested by:  
**Rainer Heller**

Date:  
**09/16/2002**

Project-No.:  
**56305-20559-1**

Page 41 of 183 Pages

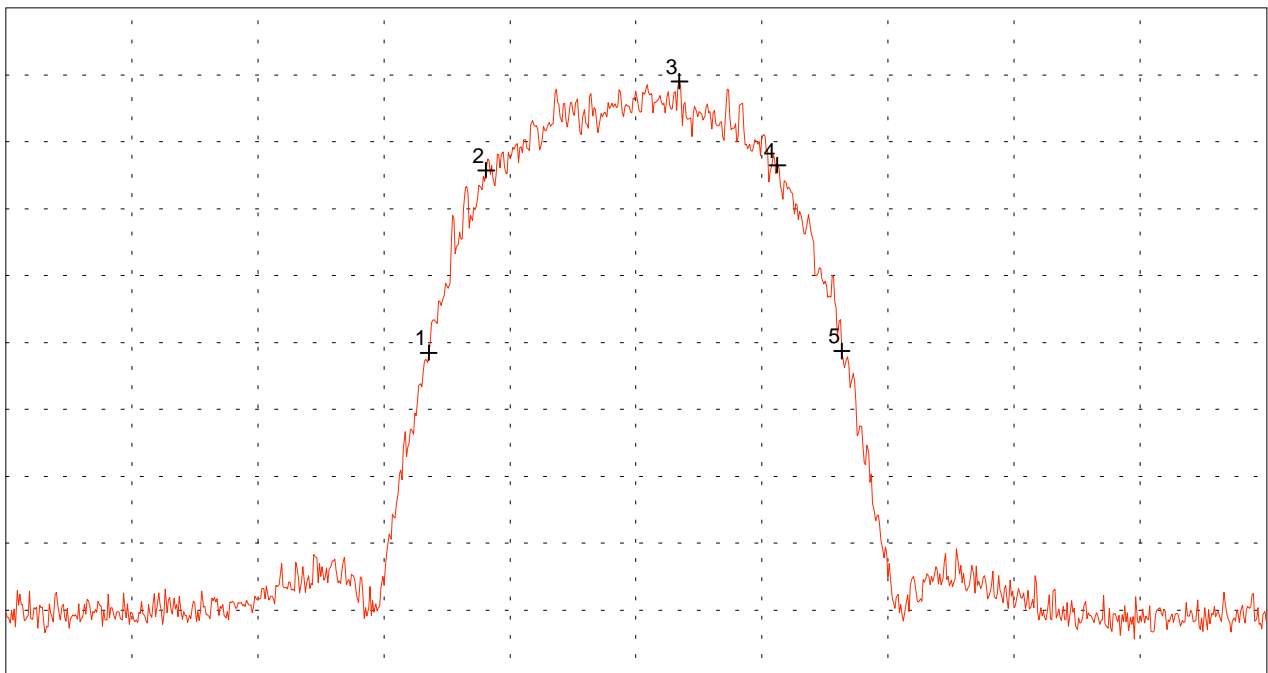
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.462$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Delta $f$ (-6 dB points) = 11.55 MHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Result: Test passed Note: -20 dB points for information only!

Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.437 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.453778 GHz	-15.77 dBm
No. 2	2.456056 GHz	-2.13 dBm
No. 3	2.463722 GHz	4.52 dBm
No. 4	2.467611 GHz	-1.74 dBm
No. 5	2.470167 GHz	-15.64 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 42 of 183 Pages

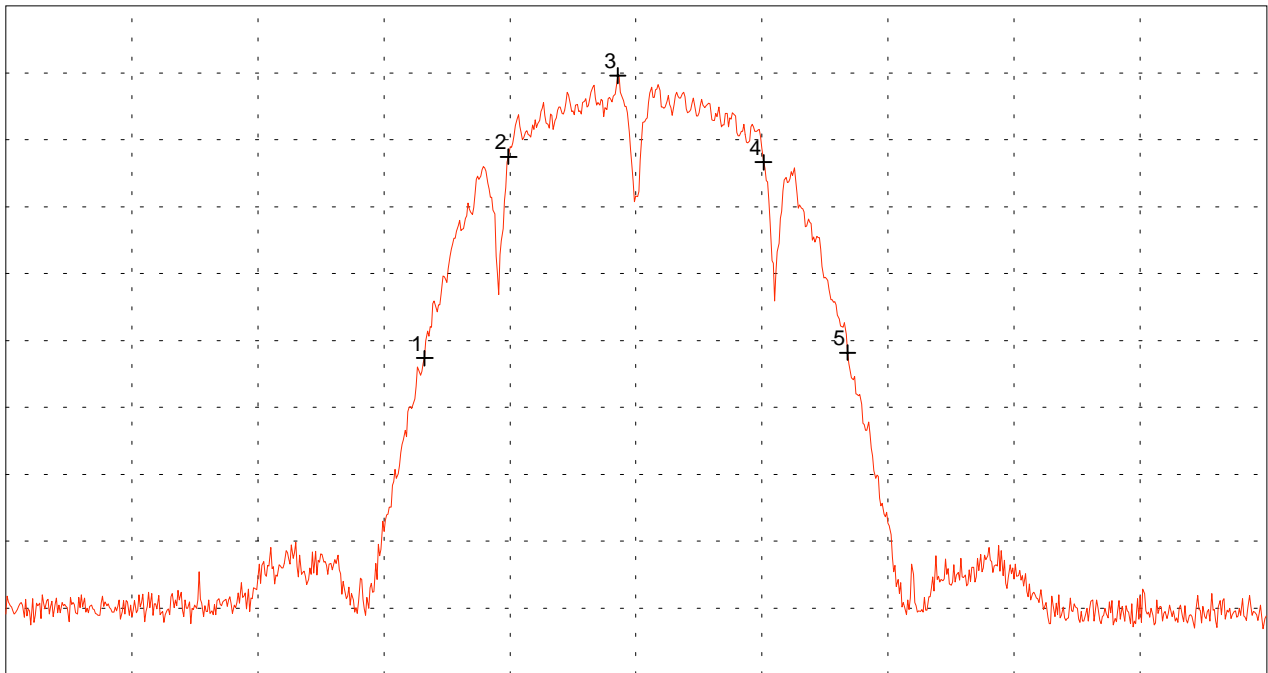
## Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 2 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p> <p>Tested on: antenna connector</p> <p>Delta <math>f</math> (-6 dB points) = 10.11 MHz</p> <p>Result: Test passed</p> <p>Note: -20 dB points for information only!</p>
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Ref.Level 10 dBm  
5 dB/Div.

ATT 55 dB

Ref. Offset .9 dB



Start 2.437 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.453611 GHz	-16.32 dBm
No. 2	2.456944 GHz	-1.27 dBm
No. 3	2.461278 GHz	4.80 dBm
No. 4	2.467056 GHz	-1.68 dBm
No. 5	2.470389 GHz	-15.92 dBm

<p>Tested by: Rainer Heller</p> <p>Date: 09/16/2002</p>	<p>Project-No.: 56305-20559-1</p> <p style="text-align: right;">Page 43 of 183 Pages</p>
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**Maximum Peak Output Power  
 according to FCC Part 15 Subpart C, §15.247b**

Model: PCC-2411-PCE-BAS1  
 Type: RF-modem for wireless LAN  
 Serial No.: 02UTENG00002  
 Applicant: Agere Systems Nederland B.V.  
 Date of test: 09/16/2002  
 Operator: R. Heller

Mode: - FCC test setup  
 - supply voltage 115 V AC  
 - EUT mounted in notebook Dell Latitude C800  
 via PC-card extender Sycard PCCextend 50A  
 - shielding of PC-card extender improved  
  
 - using internal antenna  
  
 - TX mode

Tested on: Antenna connector

Selected bit rate	Operating frequency [GHz]	PEP power meter reading [dBm]	Correction-factor [dB]	Output power [dBm]	Limit (see note 1) [dBm]
11 Mbps	2.412	5.9	10.2	16.1	30
	2.442	5.9	10.2	16.1	30
	2.462	5.9	10.2	16.1	30
5.5 Mbps	2.412	5.1	10.2	15.3	30
	2.442	5.1	10.2	15.3	30
	2.462	5.1	10.2	15.3	30
2 Mbps	2.412	5.9	10.2	16.1	30
	2.442	6.0	10.2	16.2	30
	2.462	6.0	10.2	16.2	30

**Note 1:** Total nominal gain of internal antenna is 0 dBi.

**Note 2:** The correction factor noted above is caused by the attenuation of DC block and 10 dB attenuator

The maximum power values were recorded.

**Note 3:** The duty cycle of the EUT is > 99%

**Result:** The limit is kept

**Maximum Peak Output Power  
 according to FCC Part 15 Subpart C, §15.247b**

Model: PCC-2411-PCE-BAS1  
 Type: RF-modem for wireless LAN  
 Serial No.: 02UTENG00002  
 Applicant: Agere Systems Nederland B.V.  
 Date of test: 09/16/2002  
 Operator: R. Heller

Mode: - FCC test setup  
 - supply voltage 115 V AC  
 - EUT mounted in notebook Dell Latitude C800  
 via PC-card extender Sycard PCCextend 50A  
 - shielding of PC-card extender improved  
  
 - using internal antenna  
  
 - TX mode

Tested on: Antenna connector

Selected bit rate	Operating frequency [GHz]	RMS power meter reading [dBm]	Correction-factor [dB]	Output power [dBm]	Limit (see note 1) [dBm]
11 Mbps	2.412	4.2	10.2	14.4	30
	2.442	4.2	10.2	14.4	30
	2.462	4.3	10.2	14.5	30
5.5 Mbps	2.412	4.2	10.2	14.4	30
	2.442	4.2	10.2	14.4	30
	2.462	4.3	10.2	14.5	30
2 Mbps	2.412	4.1	10.2	14.3	30
	2.442	4.2	10.2	14.4	30
	2.462	4.2	10.2	14.4	30

**Note 1:** Total nominal gain of internal antenna is 0 dBi.

**Note 2:** The correction factor noted above is caused by the attenuation of DC block and 10 dB attenuator

The maximum power values were recorded.

**Note 3:** The duty cycle of the EUT is > 99%

**Result:** The limit is kept

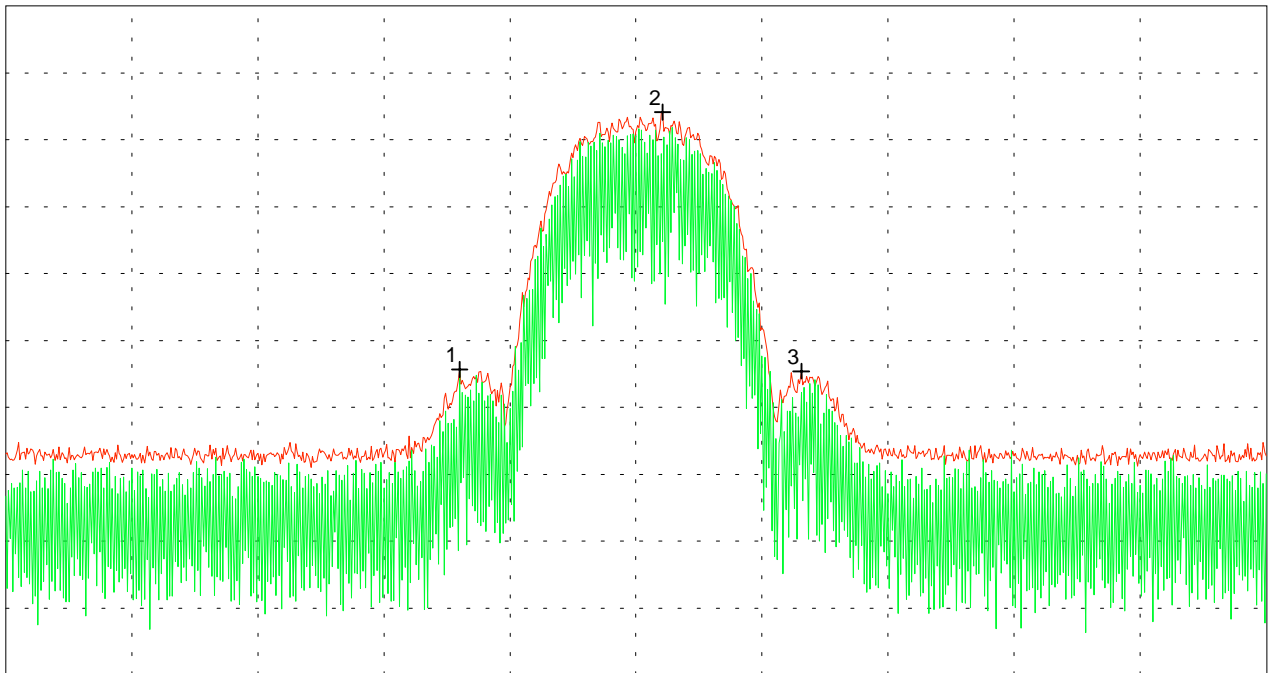
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: for information only!</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.362 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.398000 GHz	-34.34 dBm
No. 2	2.414111 GHz	4.13 dBm
No. 3	2.425111 GHz	-34.57 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 46 of 183 Pages

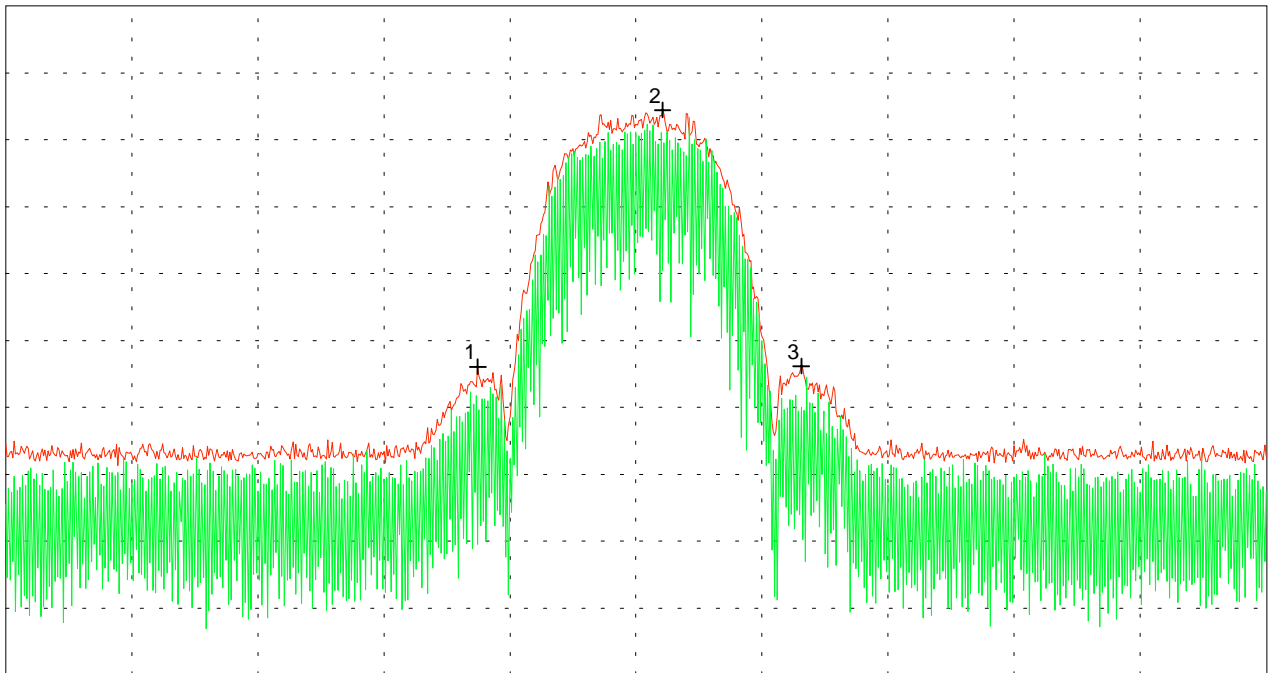
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 5.5 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: for information only!</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.362 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.399444 GHz	-33.93 dBm
No. 2	2.414111 GHz	4.46 dBm
No. 3	2.425111 GHz	-33.85 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 47 of 183 Pages</p>

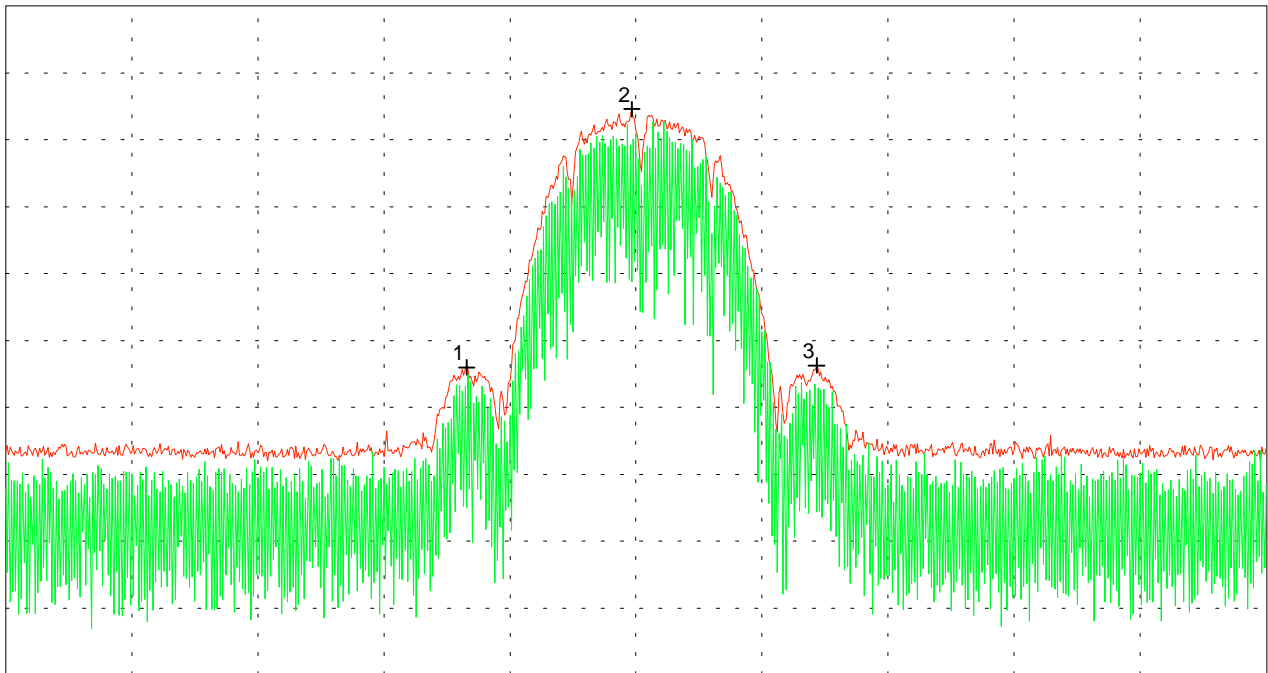
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 2 Mbps  - TX mode with $f = 2.412$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Note: for information only!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.362 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.398556 GHz	-34.03 dBm
No. 2	2.411667 GHz	4.57 dBm
No. 3	2.426333 GHz	-33.73 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 48 of 183 Pages



# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.442$  GHz

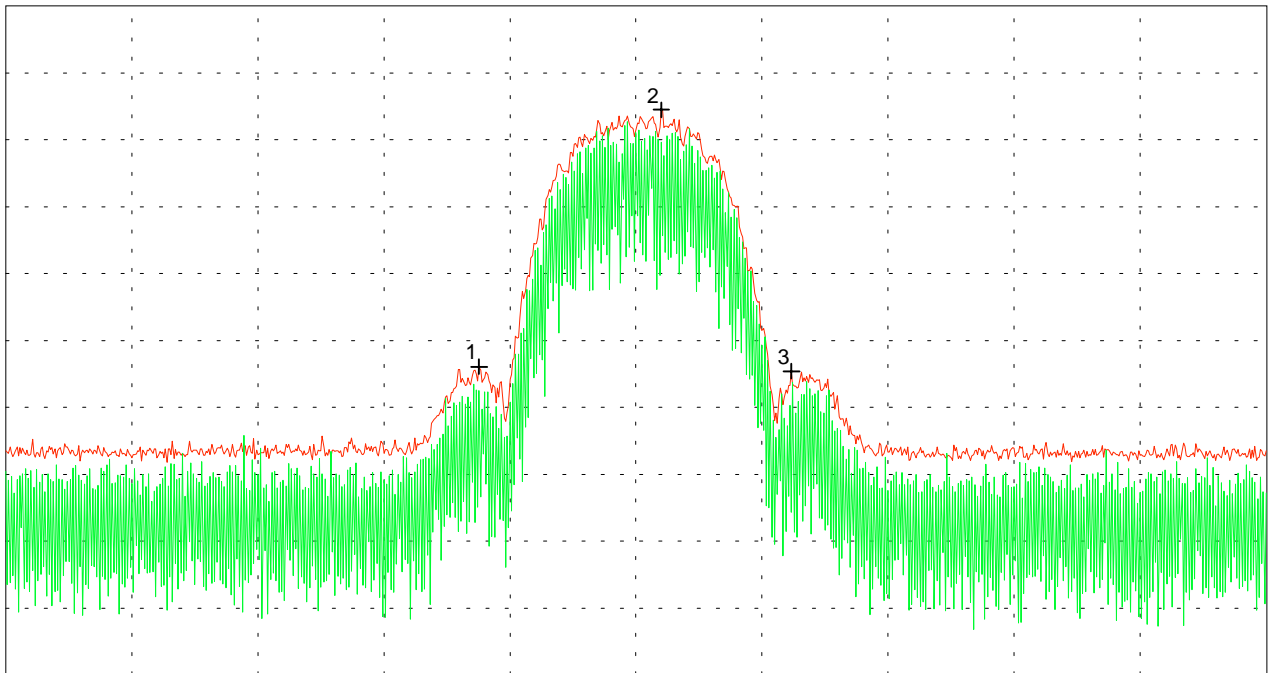
Tested on: antenna connector

Note: for information only!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.392 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.429556 GHz	-33.93 dBm
No. 2	2.444000 GHz	4.49 dBm
No. 3	2.454333 GHz	-34.59 dBm

Tested by:  
Rainer Heller

Date:  
09/16/2002

Project-No.:  
56305-20559-1

Page 49 of 183 Pages

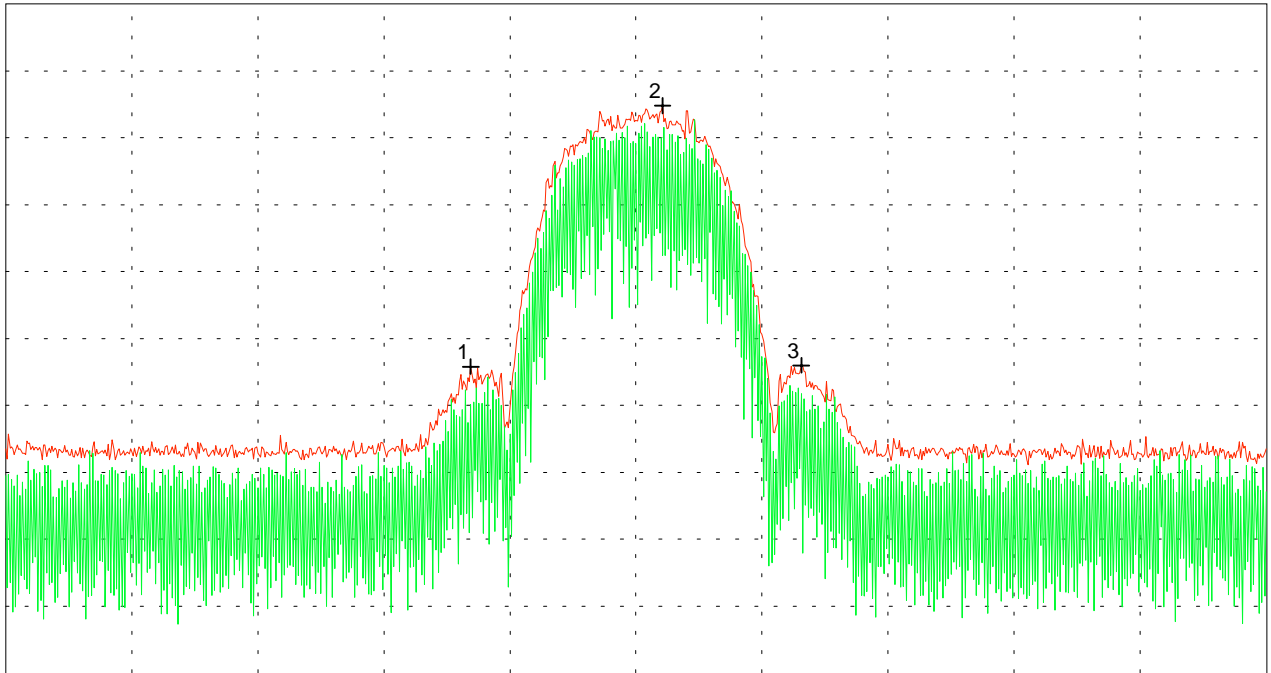
## Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.442$ GHz
Serial No.: 02UTENG00002	Tested on: antenna connector   Note: for information only!
Applicant: Agere Systems Nederland B.V.	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.392 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.428889 GHz	-34.21 dBm
No. 2	2.444111 GHz	4.82 dBm
No. 3	2.455111 GHz	-34.03 dBm

Tested by: Rainer Heller	Project-No.: 56305-20559-1
Date: 09/16/2002	Page 50 of 183 Pages

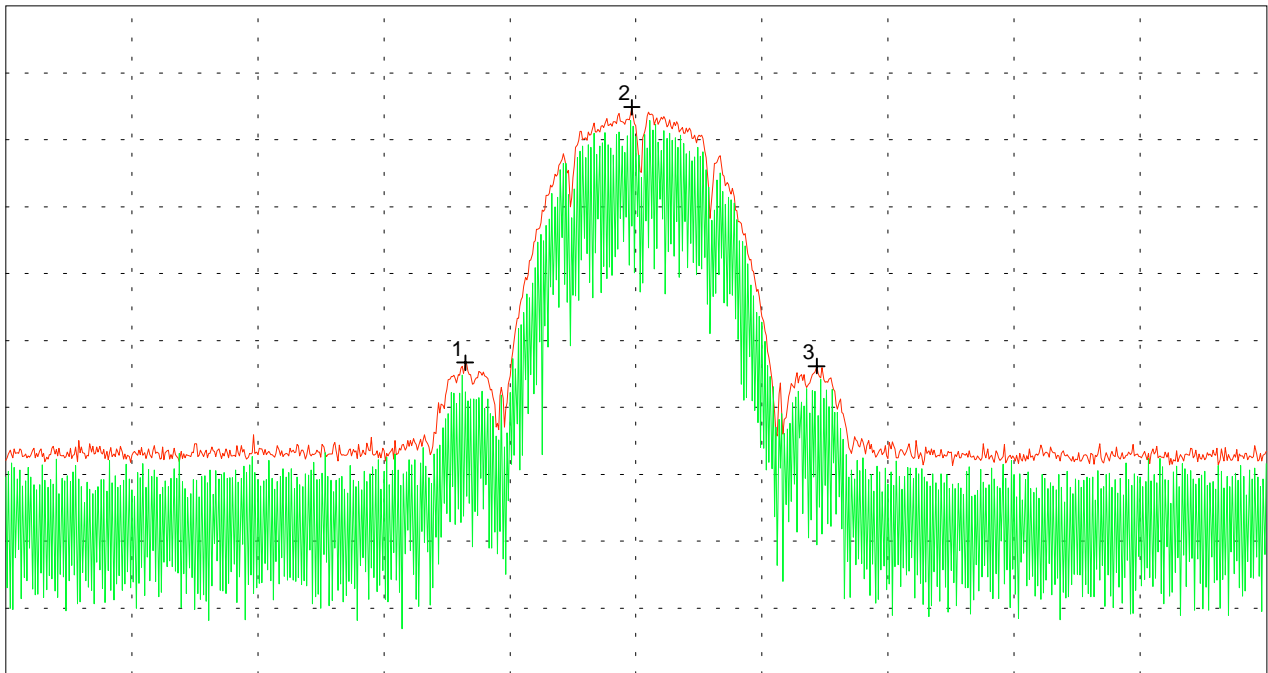
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 2 Mbps</p> <p>- TX mode with <math>f = 2.442</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: for information only!</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.392 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.428444 GHz	-33.32 dBm
No. 2	2.441667 GHz	4.85 dBm
No. 3	2.456333 GHz	-33.83 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 51 of 183 Pages</p>

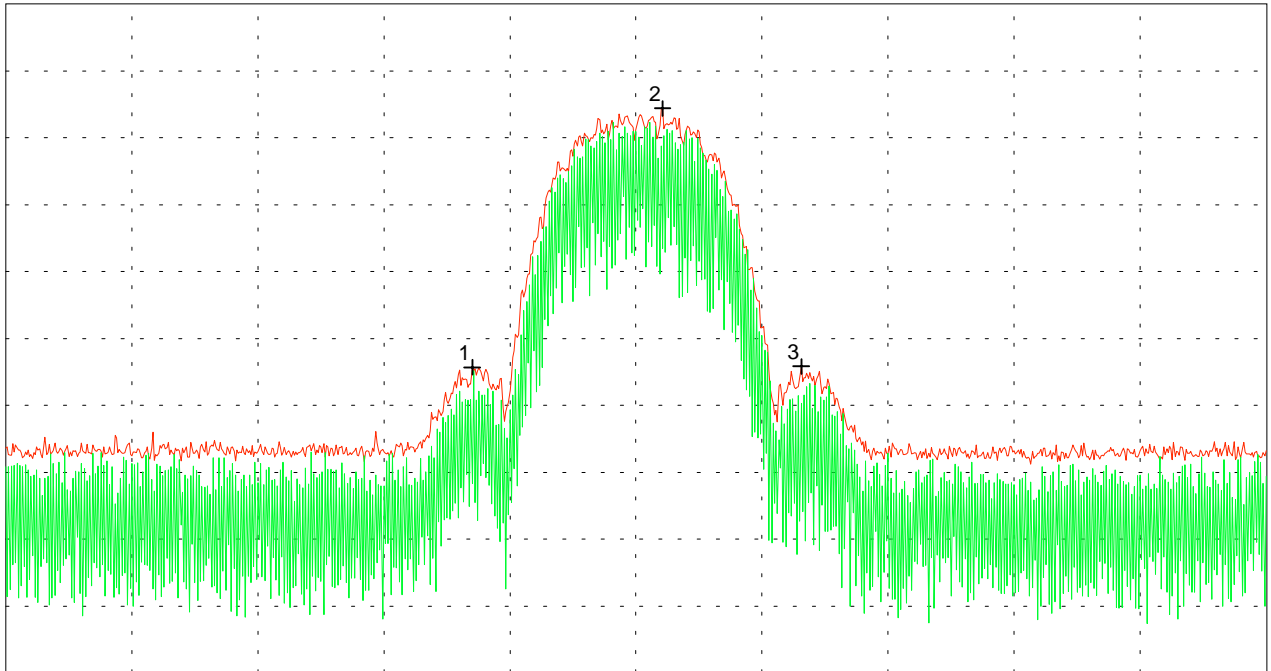
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: 02UTENG00002	- operating with bit rate 11 Mbps
Applicant: Agere Systems Nederland B.V.	- TX mode with $f = 2.462$ GHz
	Tested on: antenna connector
	Note: for information only!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.412 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.449000 GHz	-34.31 dBm
No. 2	2.464111 GHz	4.39 dBm
No. 3	2.475111 GHz	-34.18 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 52 of 183 Pages

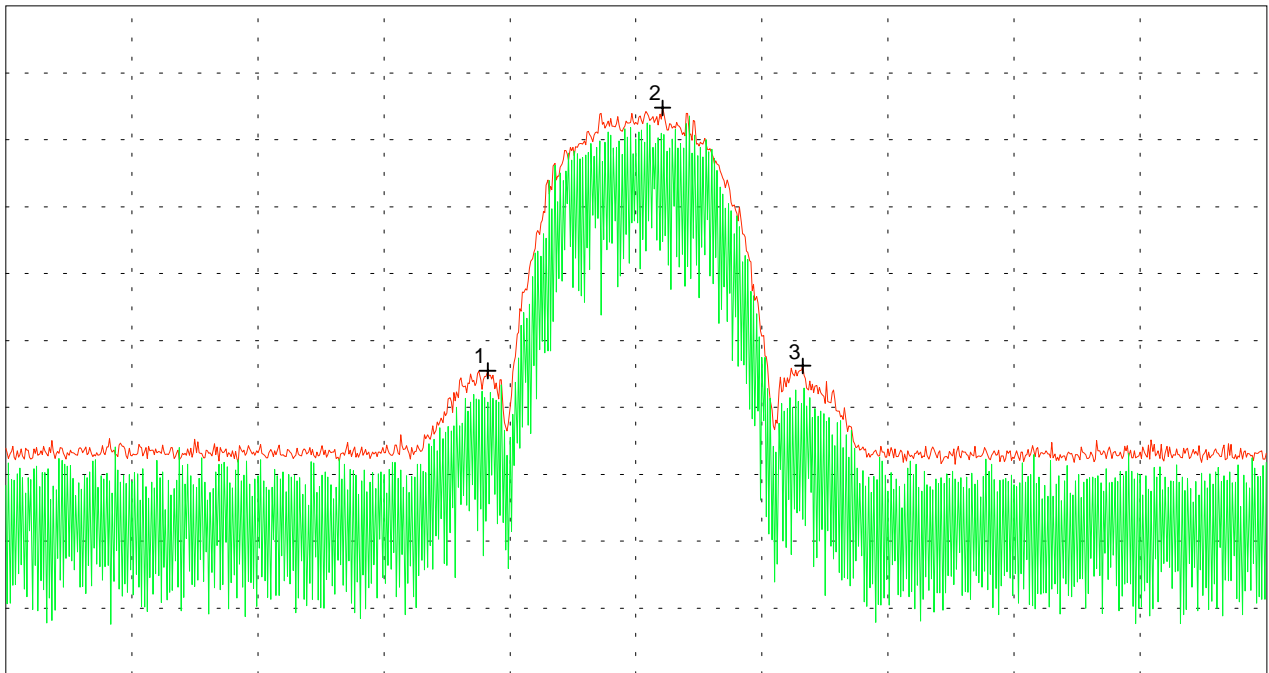
## Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 5.5 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: for information only!</p>
--	--

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.412 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.450222 GHz	-34.54 dBm
No. 2	2.464111 GHz	4.79 dBm
No. 3	2.475222 GHz	-33.80 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 53 of 183 Pages</p>

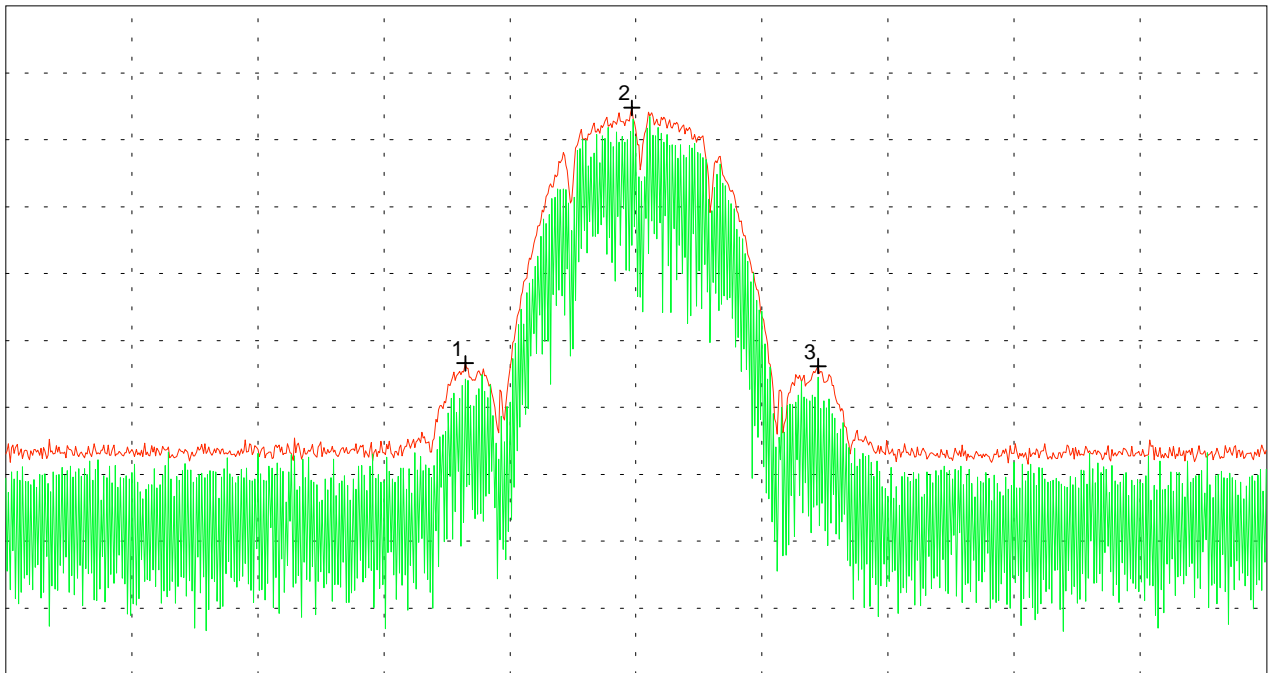
# Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: 02UTENG00002	- operating with bit rate 2 Mbps  - TX mode with $f = 2.462$ GHz
Applicant: Agere Systems Nederland B.V.	Tested on: antenna connector
	Note: for information only!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.412 GHz  
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz  
SWP 40 ms

### Multi Marker List

No. 1	2.448444 GHz	-33.40 dBm
No. 2	2.461667 GHz	4.79 dBm
No. 3	2.476444 GHz	-33.83 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 54 of 183 Pages

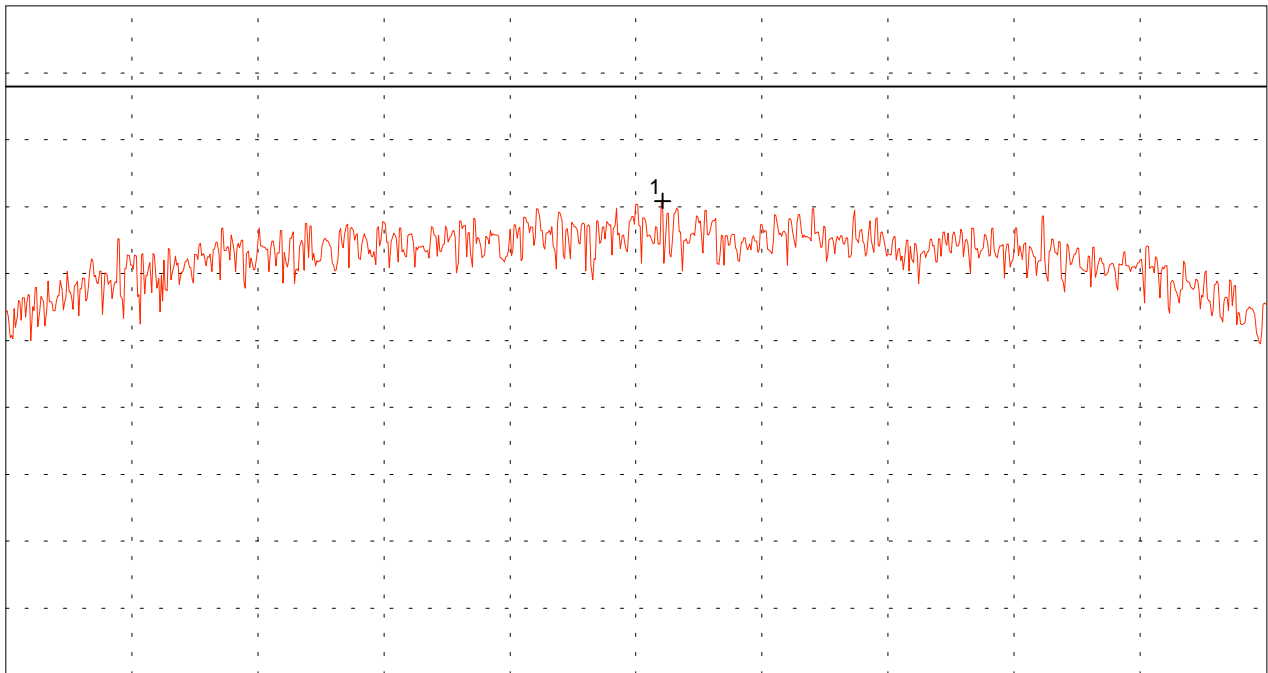
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 11 Mbps  - TX mode with $f = 2.412$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Note: Prescan for zooming into maximum!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.4045 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.4195 GHz  
SWP 5 s

Multi Marker List		
No. 1	2.412317 GHz	-9.15 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 55 of 183 Pages

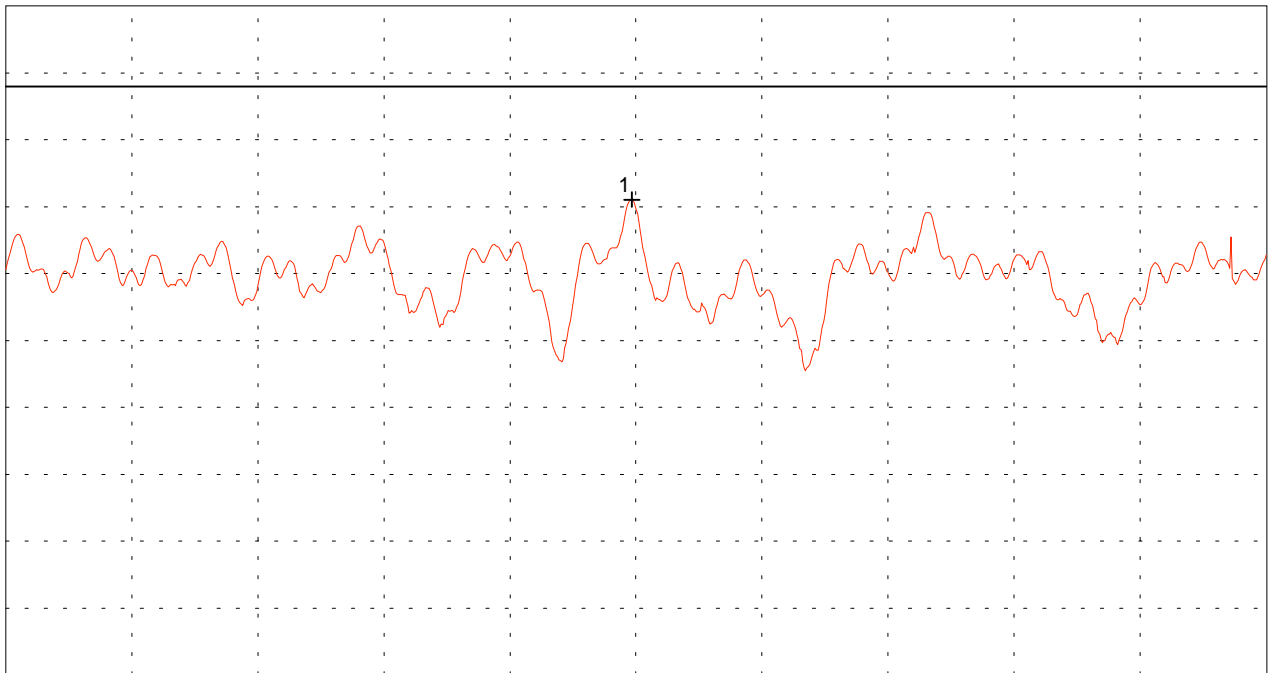
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Result: Test passed</p>
--	---

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.41215 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.41245 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.412299 GHz	-8.97 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 56 of 183 Pages</p>



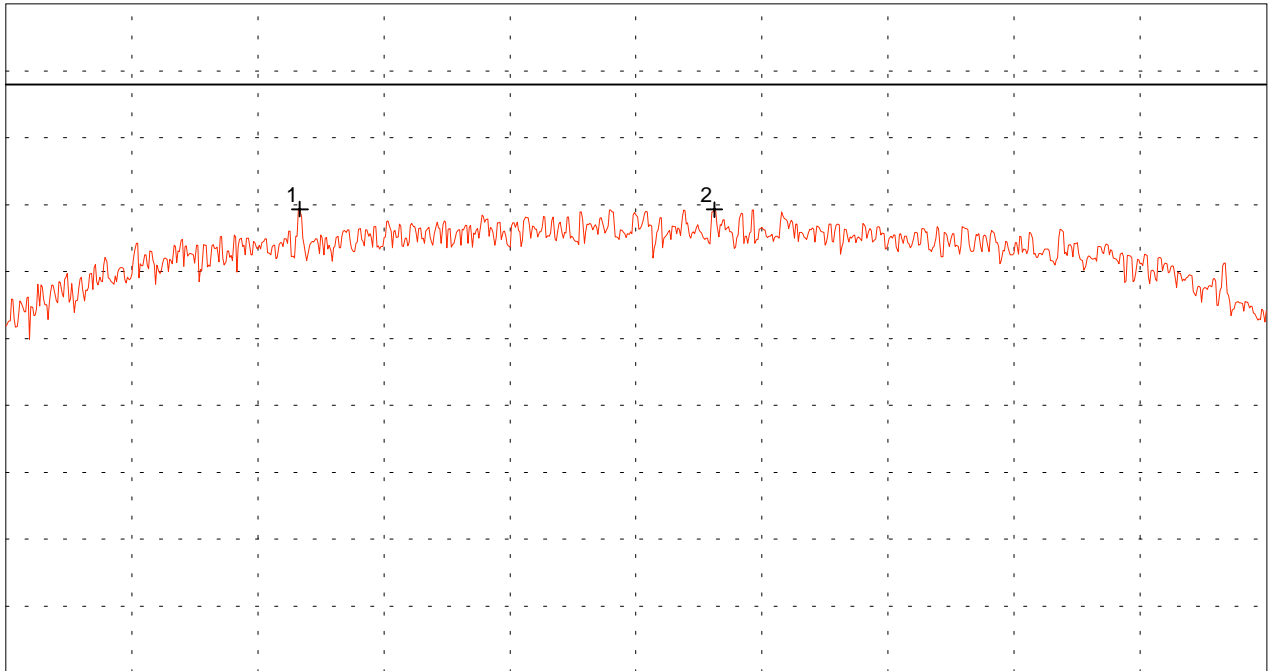
# Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.412$ GHz  Tested on: antenna connector  Note: Prescan for zooming into maximum!
Serial No.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.4045 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.4195 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.408000 GHz	-10.67 dBm
No. 2	2.412933 GHz	-10.72 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 57 of 183 Pages

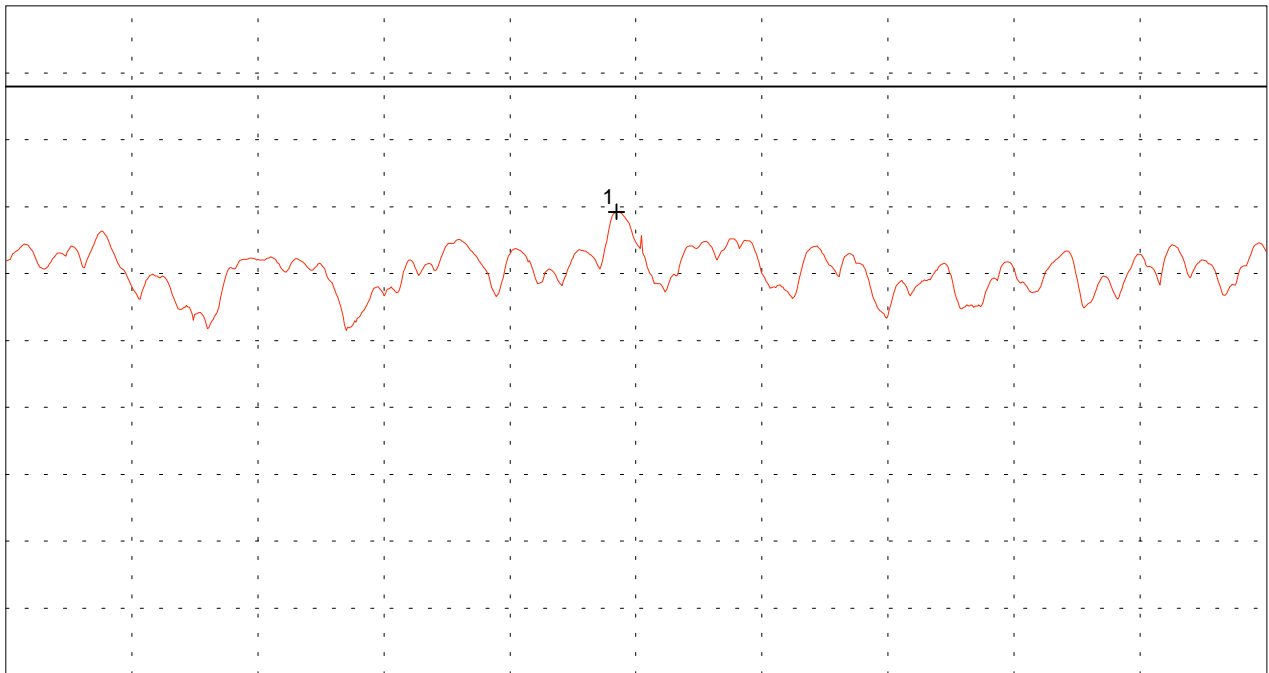
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with f = 2.412 GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Result: Test passed
Applicant: <b>Agere Systems Nederland B.V.</b>	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.40785 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.40815 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.407995 GHz	-10.77 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 58 of 183 Pages

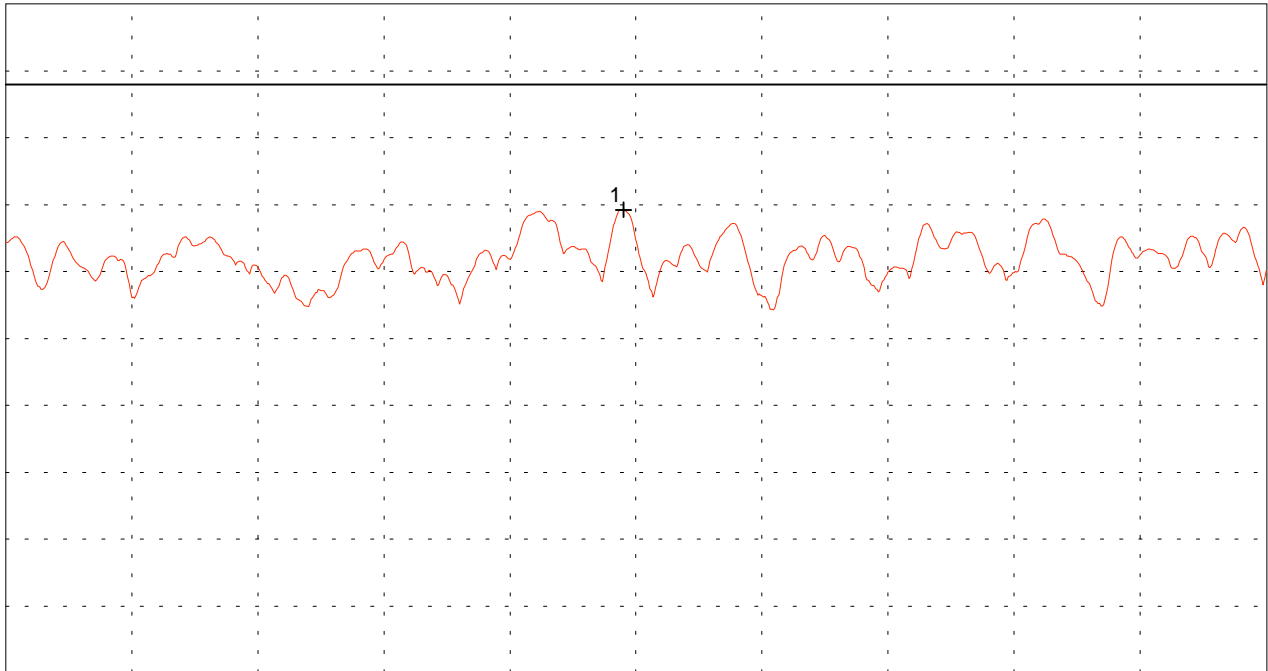
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 5.5 Mbps</p> <p>- TX mode with f = 2.412 GHz</p> <p>Tested on: antenna connector</p> <p>Result: Test passed</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.412783 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.413083 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.412930 GHz	-10.75 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 59 of 183 Pages</p>



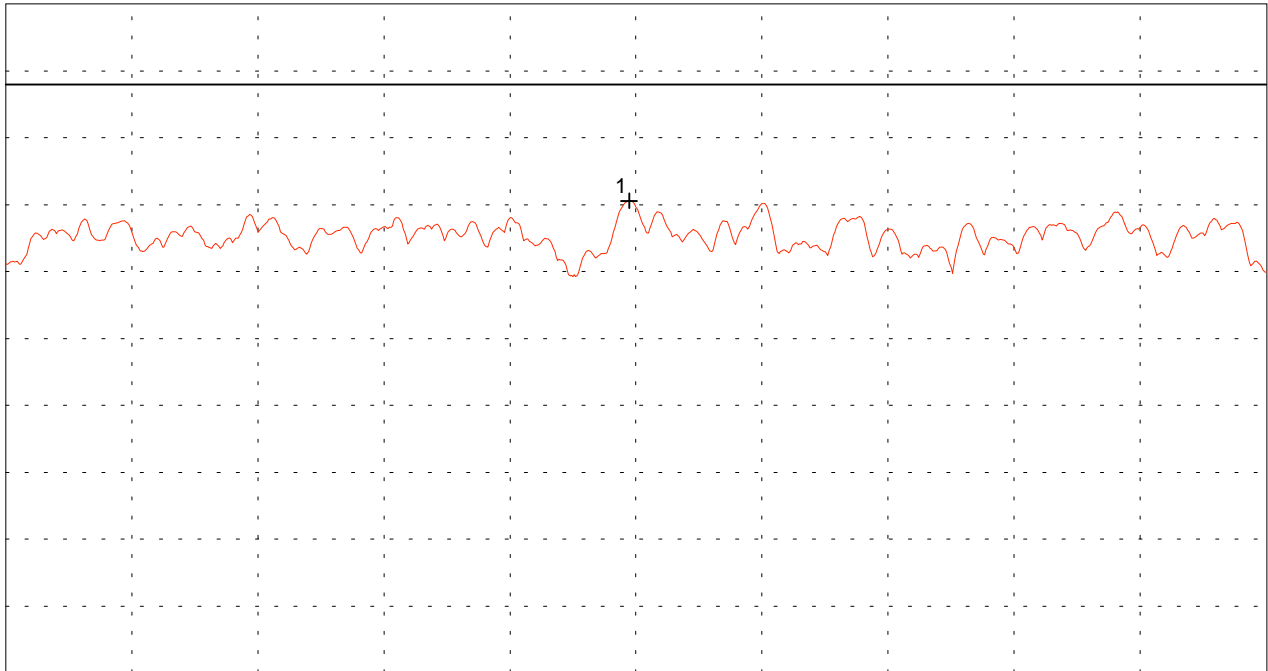
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 2 Mbps - TX mode with $f = 2.412$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.411217 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.411517 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.411365 GHz	-9.45 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 61 of 183 Pages

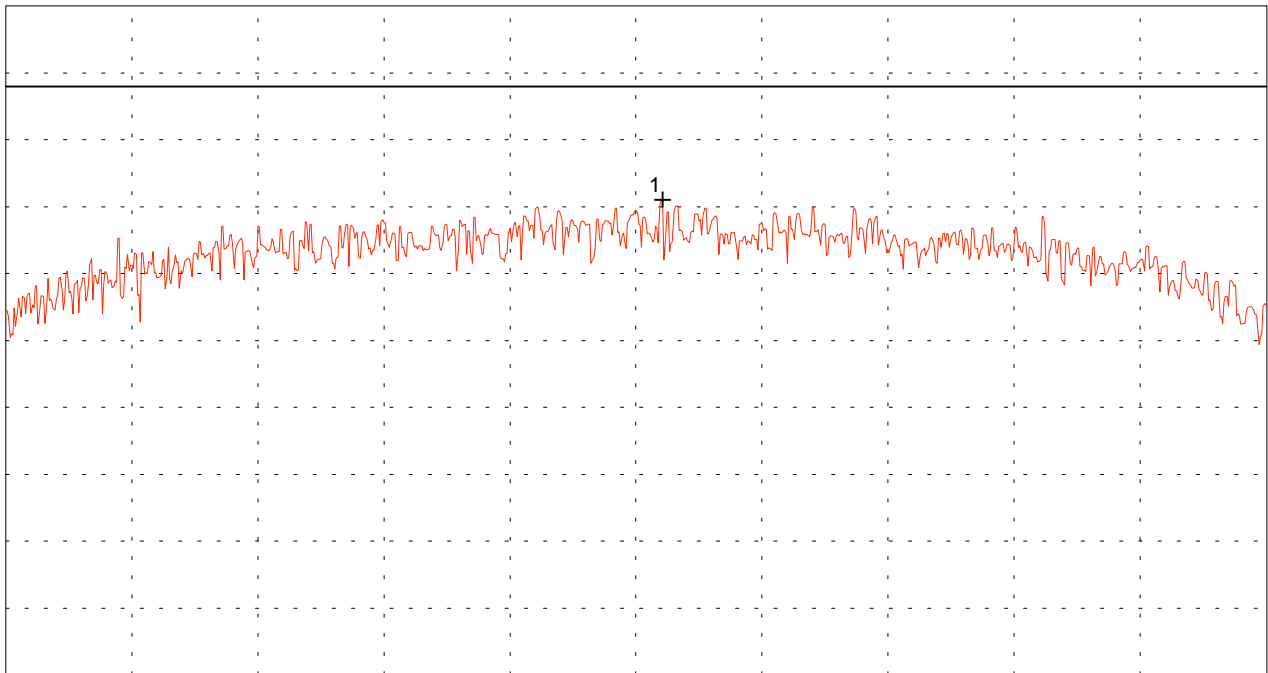
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.442</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: Prescan for zooming into maximum!</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.434500 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.449500 GHz  
SWP 5 s

Multi Marker List		
No. 1	2.442317 GHz	-8.97 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 62 of 183 Pages</p>

# Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1
Serial No.: 02UTENG00002
Applicant: Agere Systems Nederland B.V.

Mode:  
 - FCC test setup  
 - supply voltage 115 V AC  
 - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A  
 - shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

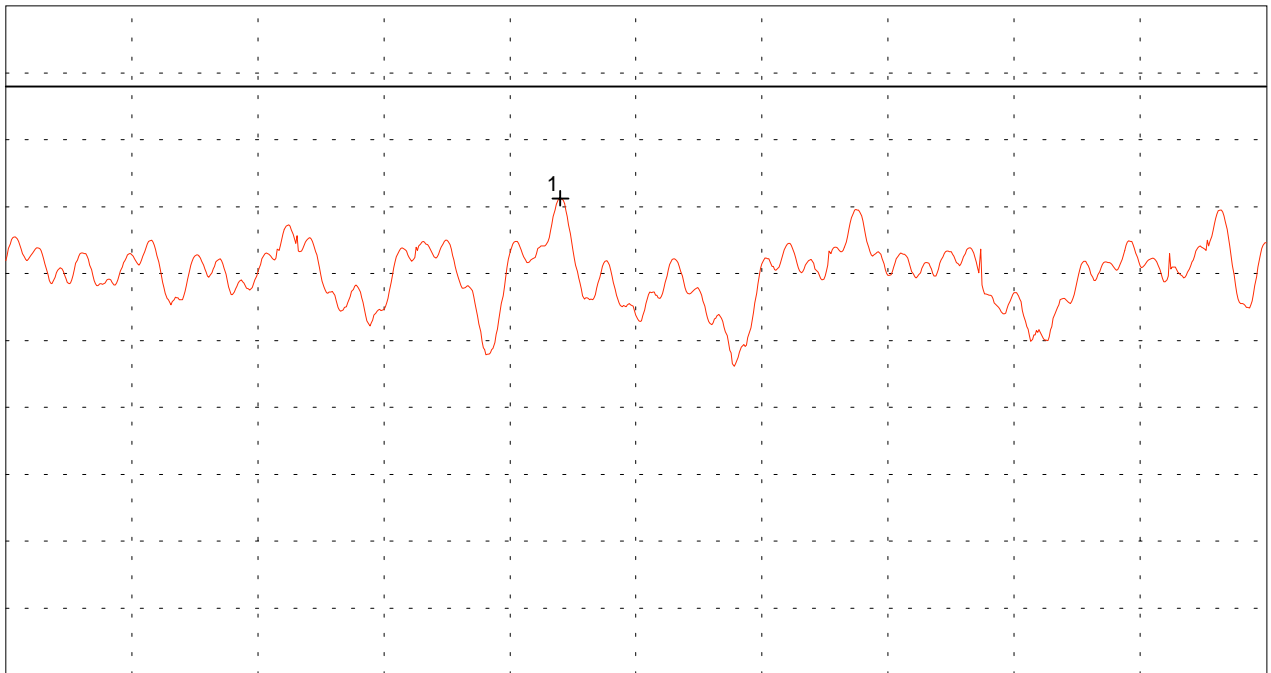
Tested on: antenna connector

Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.442167 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.442467 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.442299 GHz	-8.74 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 63 of 183 Pages

# Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 5.5 Mbps

- TX mode with  $f = 2.442$  GHz

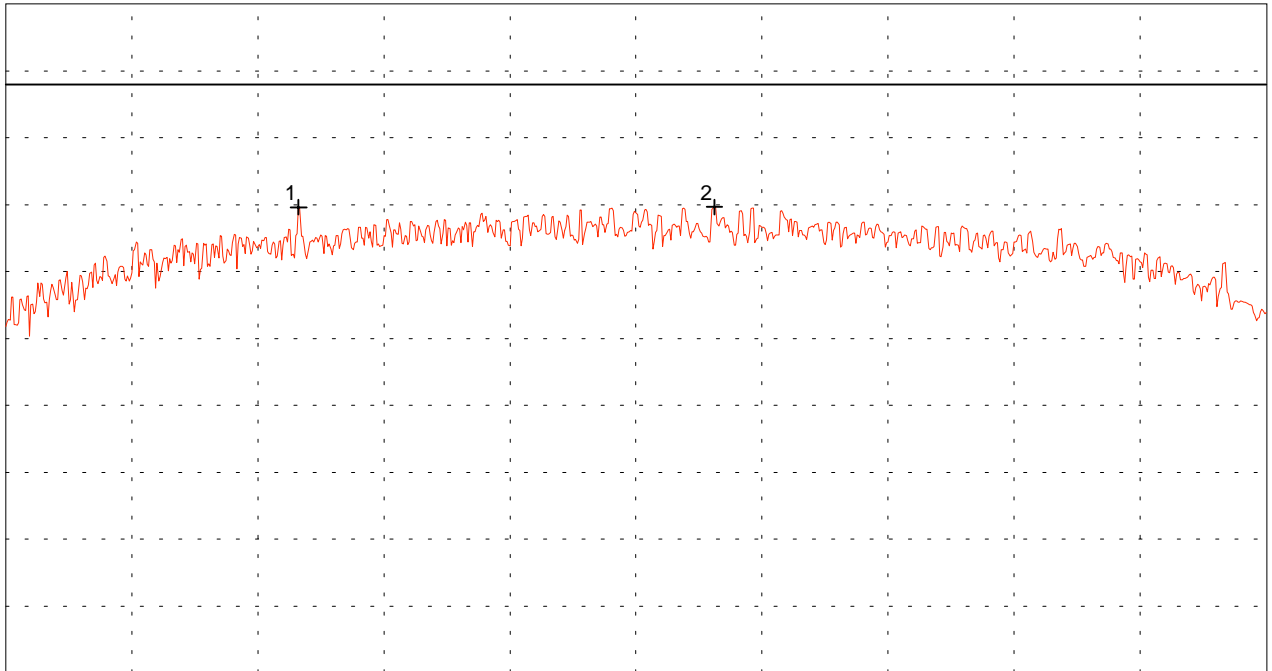
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.434500 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.449500 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.437983 GHz	-10.39 dBm
No. 2	2.442933 GHz	-10.34 dBm

Tested by:  
Rainer Heller

Date:  
09/16/2002

Project-No.:  
56305-20559-1

Page 64 of 183 Pages



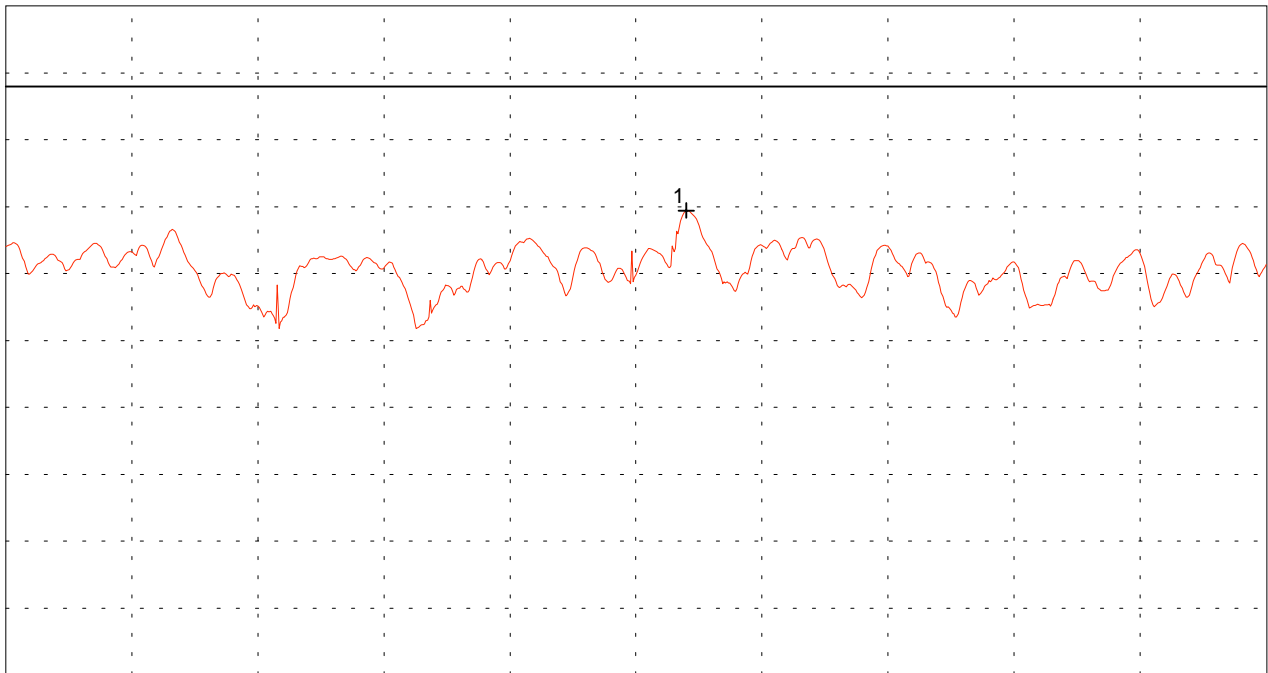
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.442$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Result: Test passed
Applicant: <b>Agere Systems Nederland B.V.</b>	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.437833 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.438133 GHz  
SWP 100 s

### Multi Marker List

No. 1	2.437995 GHz	-10.57 dBm
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Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 65 of 183 Pages

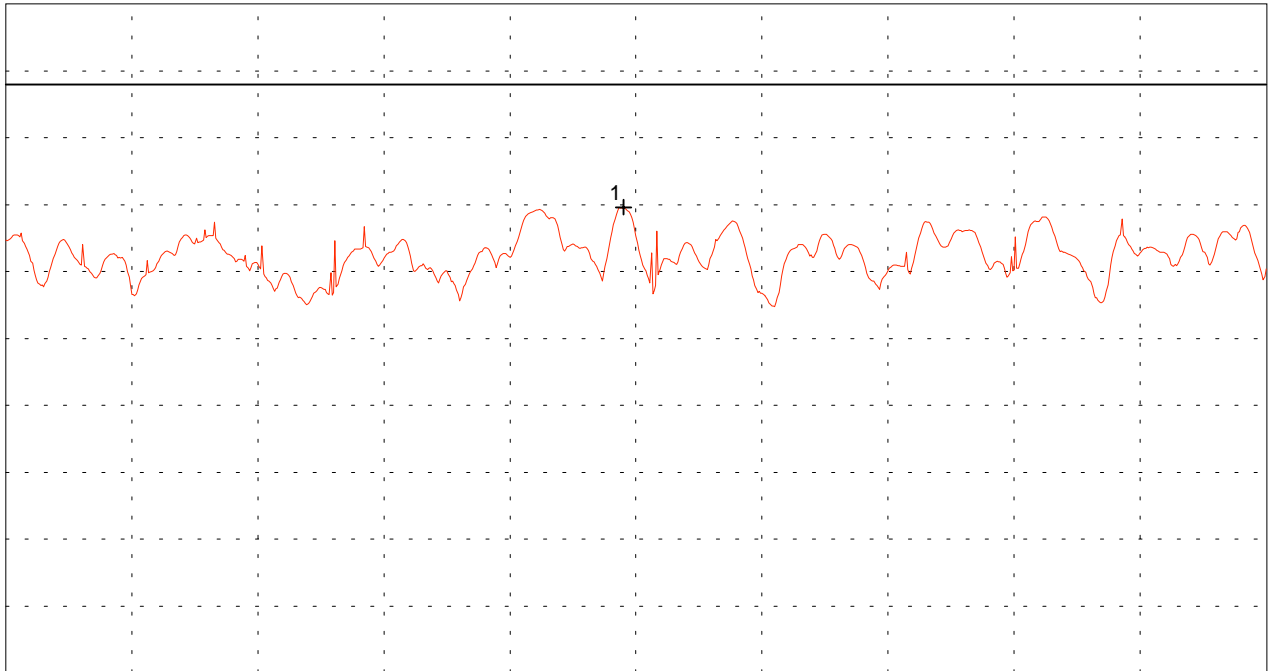
# Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: 02UTENG00002	- operating with bit rate 5.5 Mbps
Applicant: Agere Systems Nederland B.V.	- TX mode with $f = 2.442$ GHz
	Tested on: antenna connector
	Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.442783 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.443083 GHz  
SWP 100 s

### Multi Marker List

No. 1	2.442930 GHz	-10.37 dBm
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Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 66 of 183 Pages

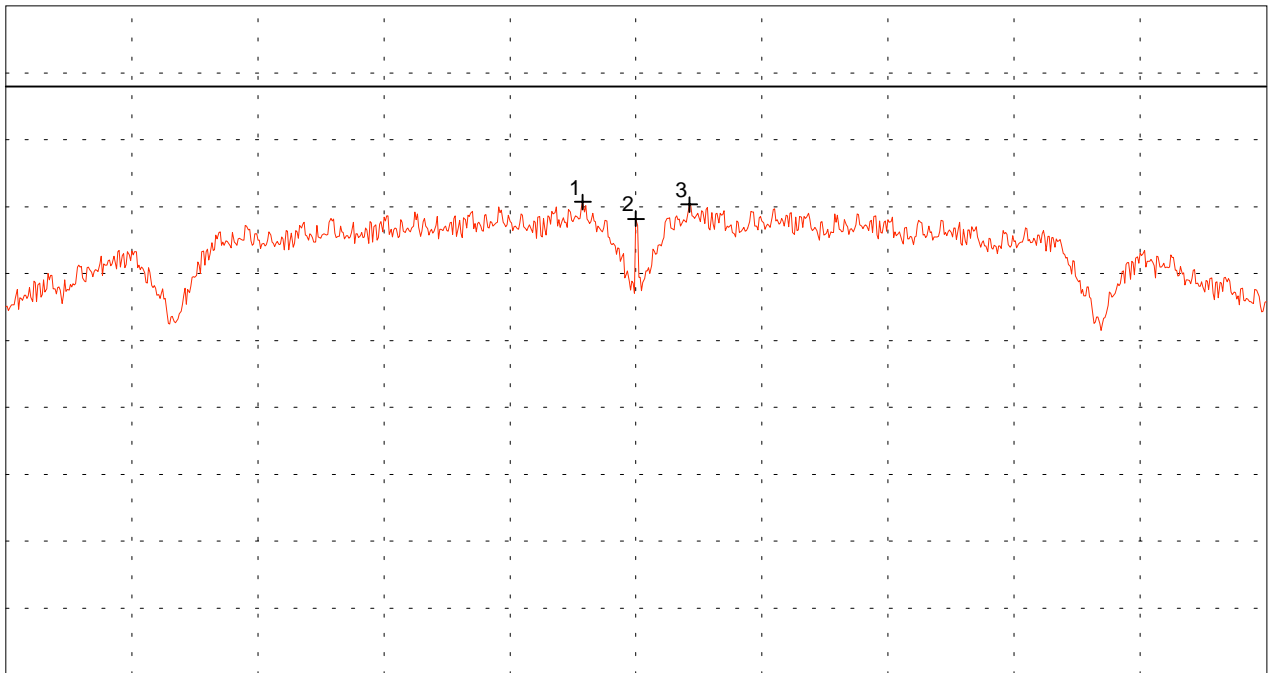
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 2 Mbps - TX mode with $f = 2.442$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Note: Prescan for zooming into maximum!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.4345 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.4495 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.441367 GHz	-9.30 dBm
No. 2	2.442000 GHz	-11.81 dBm
No. 3	2.442633 GHz	-9.68 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 67 of 183 Pages

## Peak power density (conducted) acc. to FCC Part 15 Subpart C

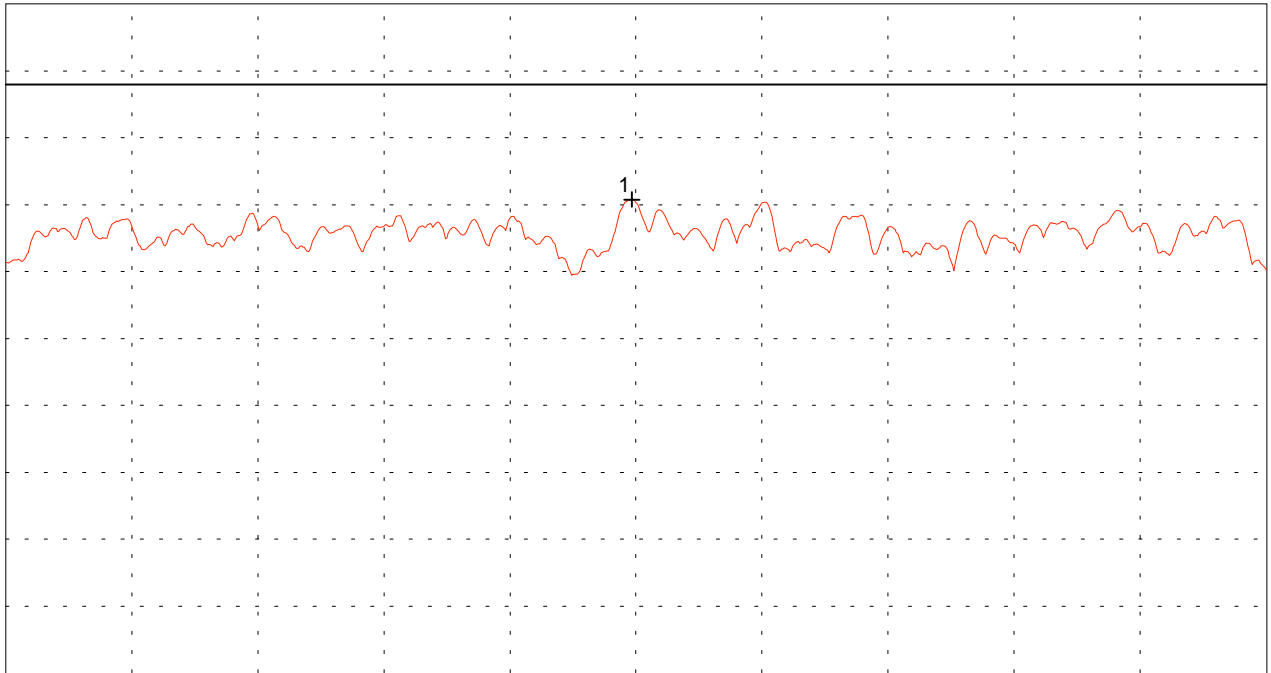
Model: PCC-2411-PCE-BAS1
Serial No.: 02UTENG00002
Applicant: Agere Systems Nederland B.V.

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 2 Mbps  - TX mode with $f = 2.442 \text{ GHz}$
Tested on: antenna connector
Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.441217 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.441517 GHz  
SWP 100 s

### Multi Marker List

No. 1	2.441366 GHz	-9.22 dBm
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Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 68 of 183 Pages

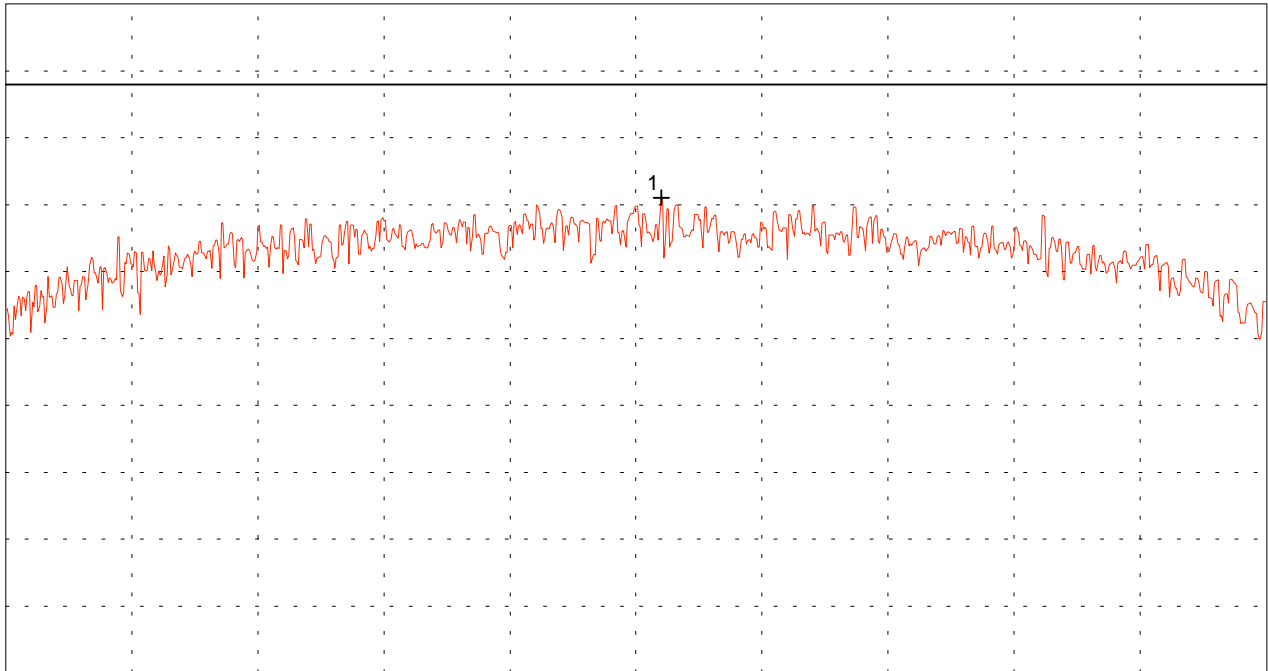
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 11 Mbps  - TX mode with $f = 2.462$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Note: Prescan for zooming into maximum!

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.454500 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.469500 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.462300 GHz	-8.94 dBm
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Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 69 of 183 Pages

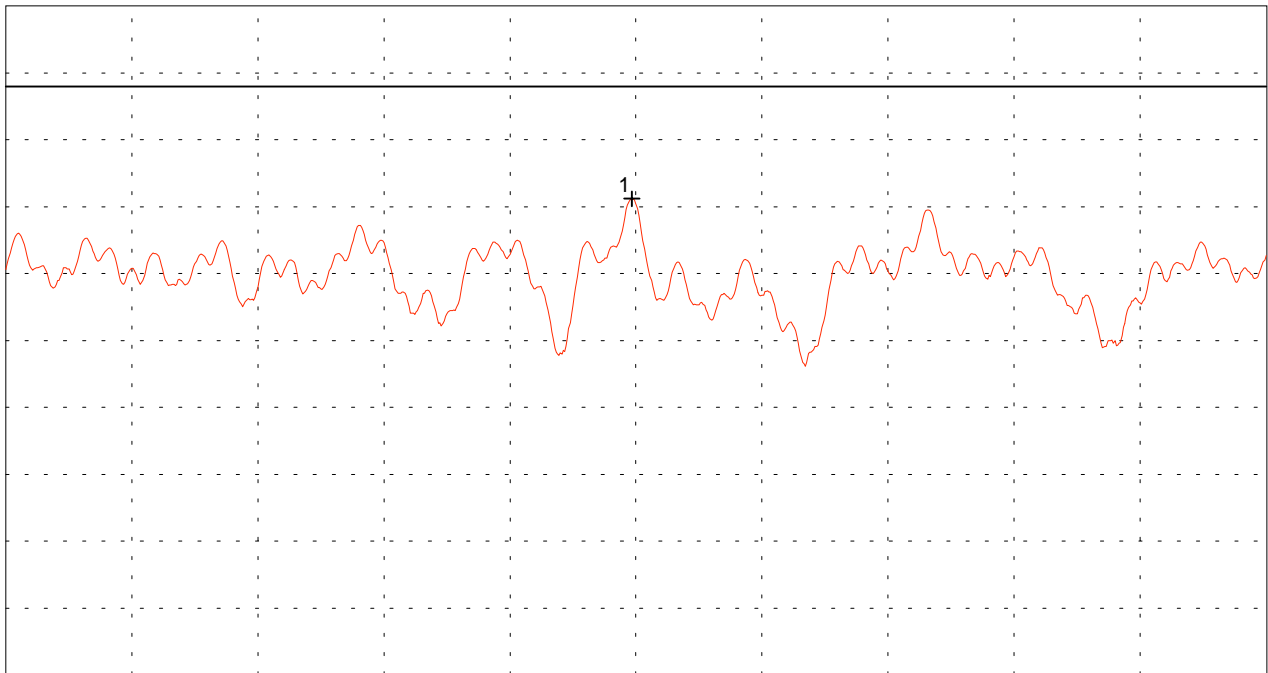
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 11 Mbps  - TX mode with $f = 2.462$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.462150 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.462450 GHz  
SWP 100 s

### Multi Marker List

No. 1	2.462299 GHz	-8.82 dBm
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Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 70 of 183 Pages

## Peak power density (conducted) acc. to FCC Part 15 Subpart C

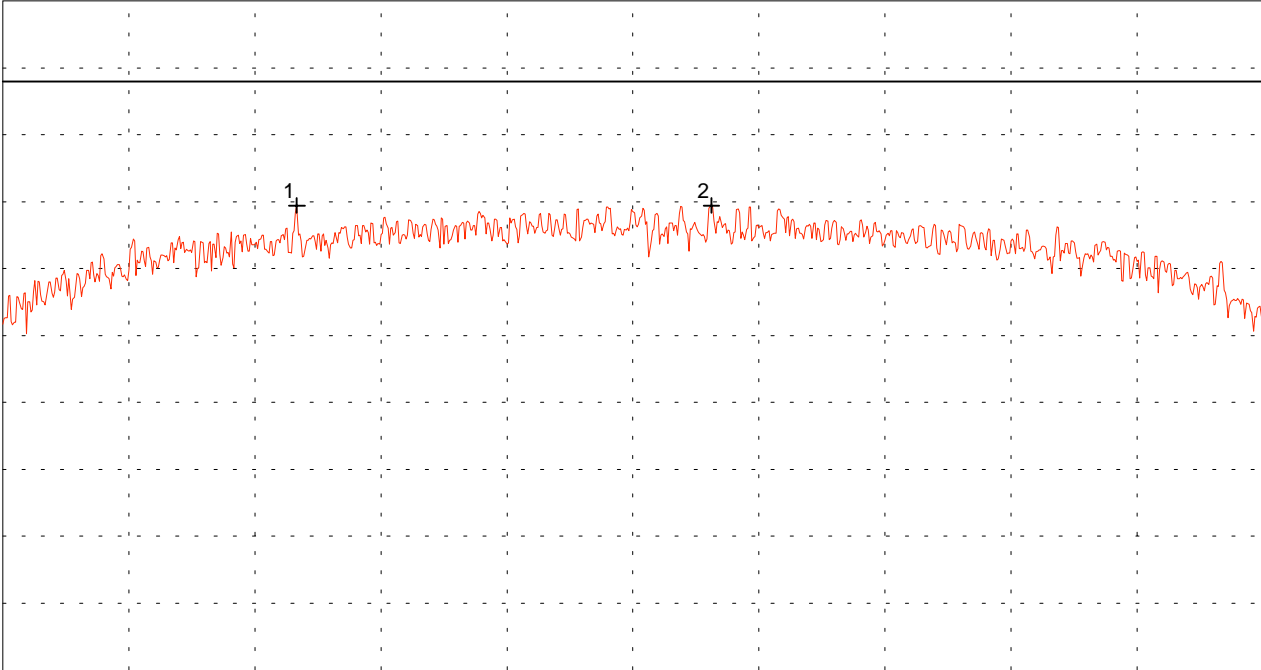
Model: PCC-2411-PCE-BAS1
Serial No.: 02UTENG00002
Applicant: Agere Systems Nederland B.V.

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with f = 2.462 GHz  Tested on: antenna connector  Note: Prescan for zooming into maximum!
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Ref. Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.454500 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.469500 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.458000 GHz	-10.57 dBm
No. 2	2.462933 GHz	-10.59 dBm

Tested by: Rainer Heller
Date: 09/16/2002

Project-No.: 56305-20559-1
Page 71 of 183 Pages

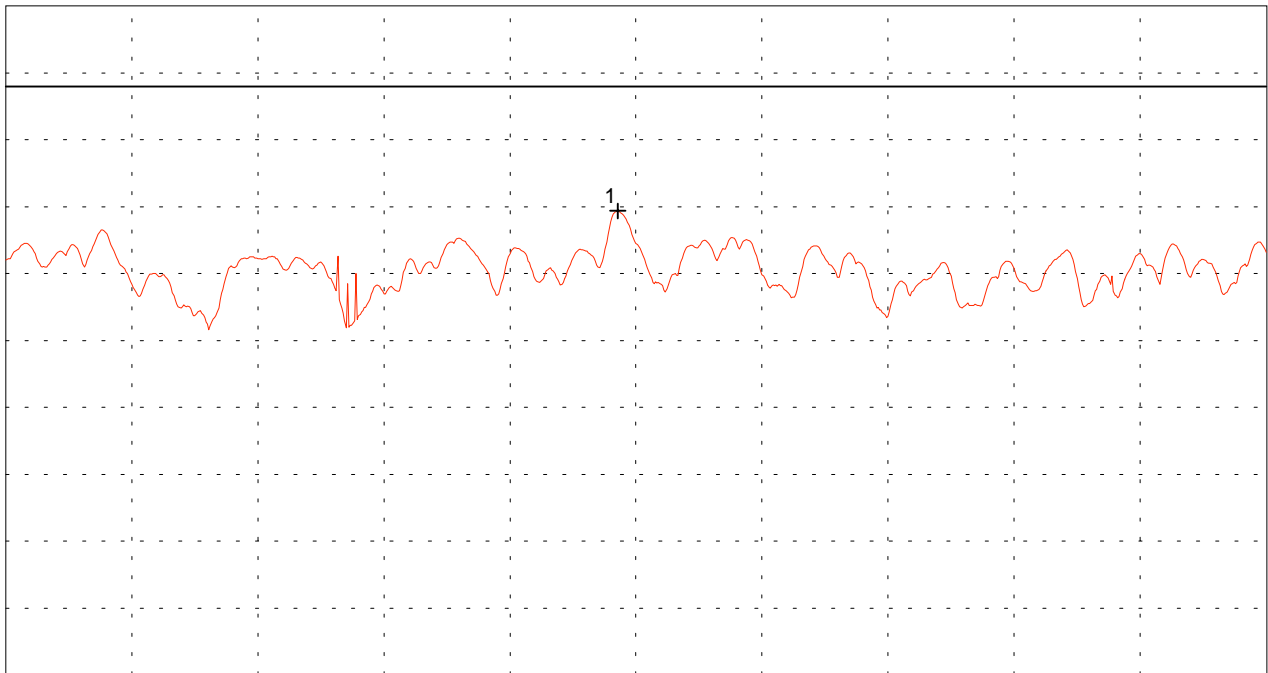
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.462$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Result: Test passed
Applicant: <b>Agere Systems Nederland B.V.</b>	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.457850 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.458150 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.457996 GHz	-10.62 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 72 of 183 Pages



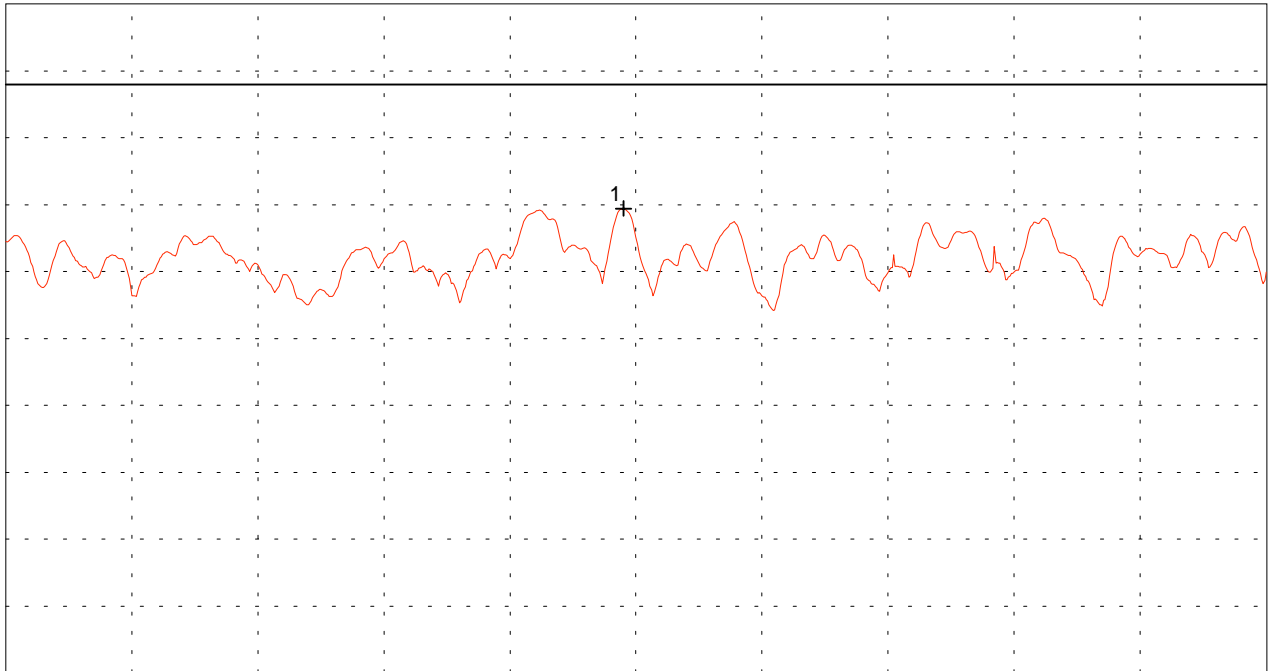
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 5.5 Mbps  - TX mode with $f = 2.462$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Result: Test passed
Applicant: <b>Agere Systems Nederland B.V.</b>	

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.462783 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.463083 GHz  
SWP 100 s

### Multi Marker List

No. 1	2.462930 GHz	-10.57 dBm
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Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 73 of 183 Pages

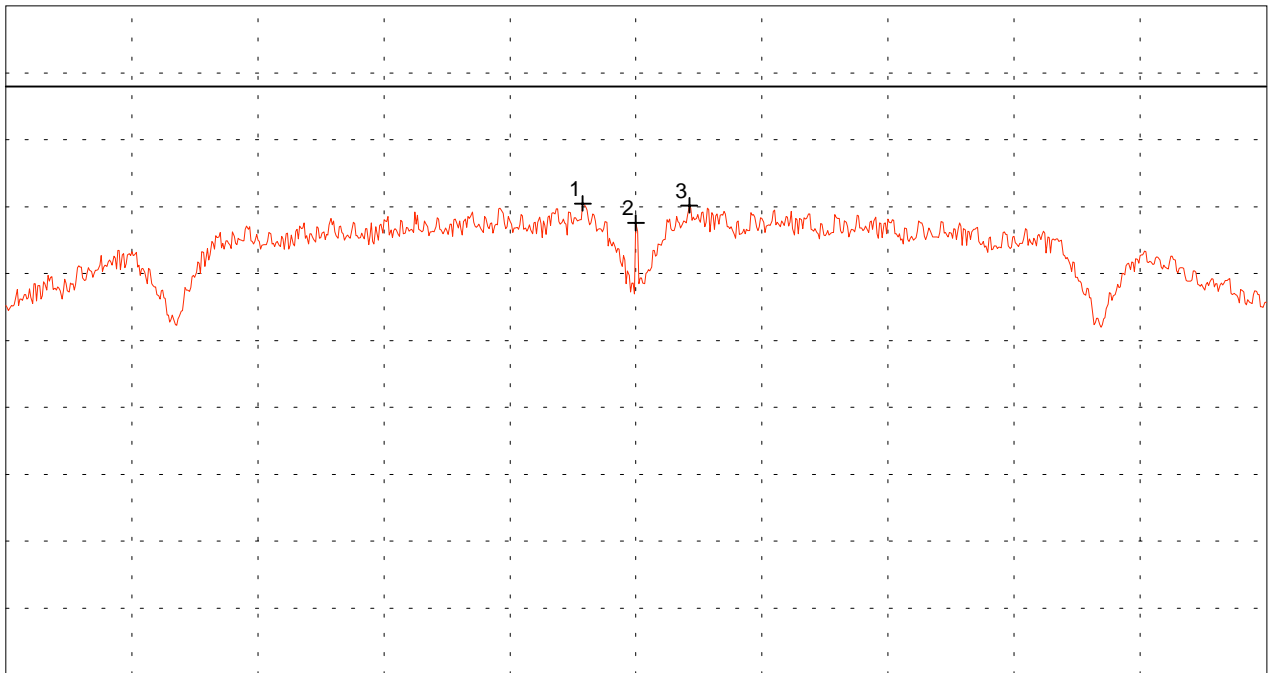
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 2 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p> <p>Tested on: antenna connector</p> <p>Note: Prescan for zooming into maximum!</p>
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Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.454500 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.469500 GHz  
SWP 5 s

### Multi Marker List

No. 1	2.461367 GHz	-9.53 dBm
No. 2	2.462000 GHz	-12.42 dBm
No. 3	2.462633 GHz	-9.83 dBm

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 74 of 183 Pages</p>

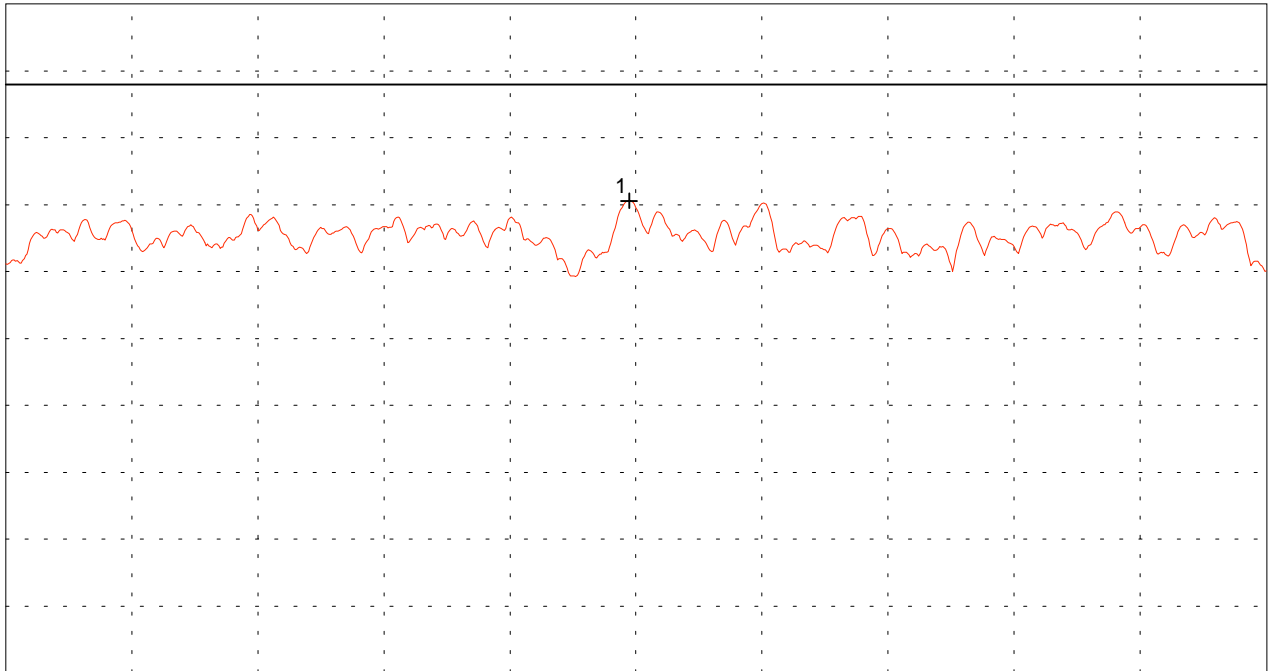
## Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved
Serial No.: <b>02UTENG00002</b>	- operating with bit rate 2 Mbps - TX mode with $f = 2.462$ GHz
Applicant: <b>Agere Systems Nederland B.V.</b>	Tested on: antenna connector
	Result: Test passed

Ref.Level 20 dBm  
10 dB/Div.

ATT 40 dB

Ref. Offset .9 dB



Start 2.461217 GHz  
RBW 3 kHz

VBW 100 kHz

Stop 2.461517 GHz  
SWP 100 s

Multi Marker List		
No. 1	2.461365 GHz	-9.43 dBm

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 75 of 183 Pages

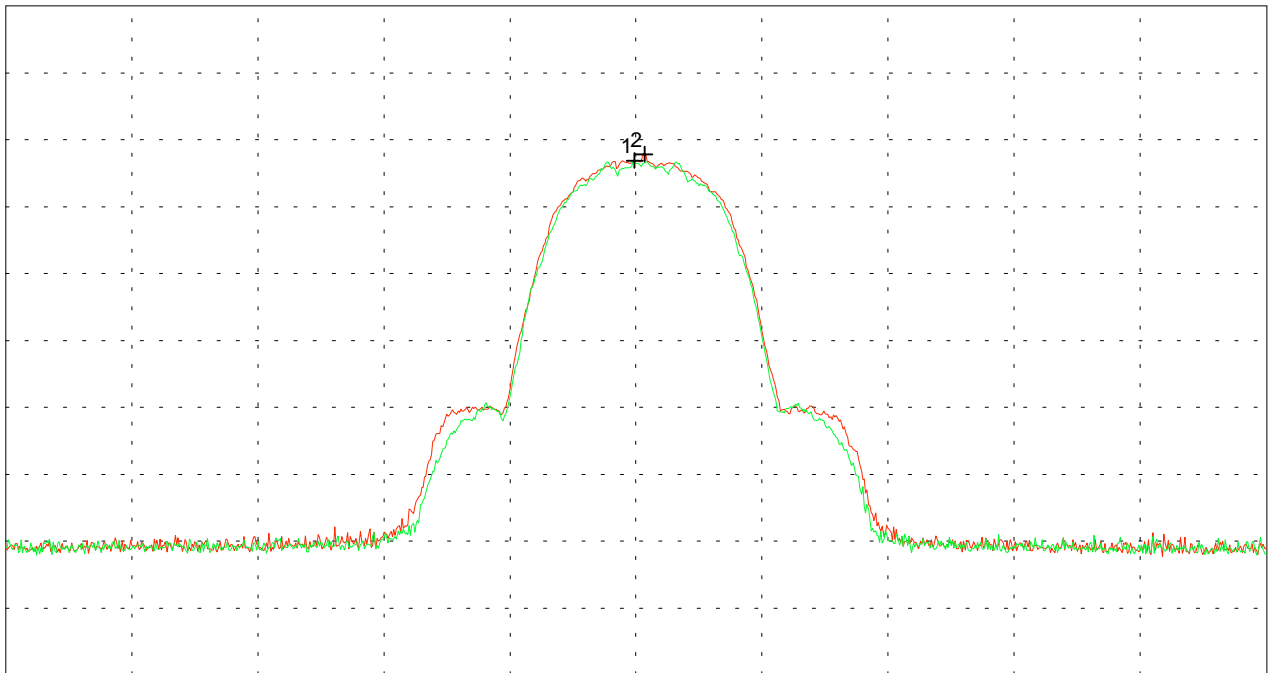
## Frequency range (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Channel A (red) = with bit rate 11 Mbps Channel B (green) = with bit rate 5.5 Mbps</p> <p>Note: Prescan for radiated emission at band edges (for information only)</p>
--	---

Ref.Level 140 dB $\mu$ V  
10 dB/Div.

ATT 25 dB

Ref. Offset .9 dB



Start 2.362000 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.462000 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.411889 GHz	116.91 dB $\mu$ V	(B)
No. 2	2.412667 GHz	117.83 dB $\mu$ V	(A)

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 76 of 183 Pages</p>

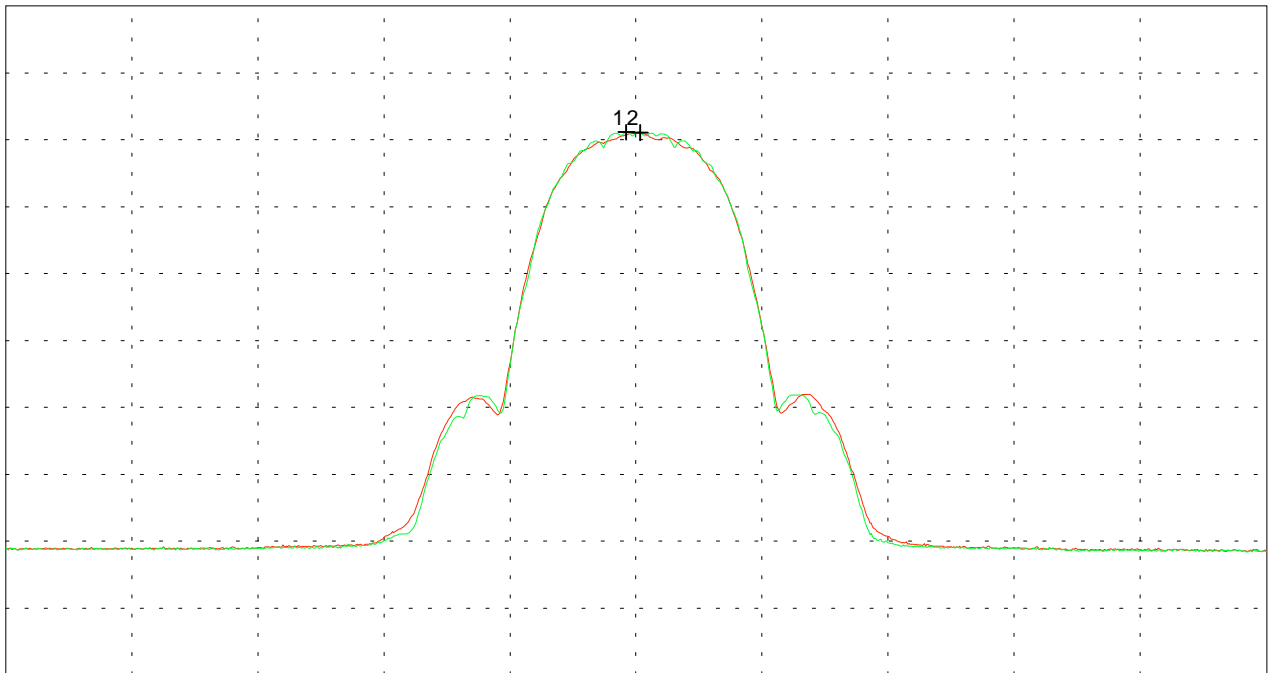
# Frequency range (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- TX mode with <math>f = 2.412</math> GHz</p> <p>Tested on: antenna connector</p> <p>Channel A (red) = with bit rate 11 Mbps Channel B (green) = with bit rate 5.5 Mbps</p> <p>Note: Prescan for radiated emission at band edges (for information only)</p>
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Ref.Level 130 dB $\mu$ V  
10 dB/Div.

ATT 25 dB

Ref. Offset .9 dB



Start 2.362000 GHz  
RBW 1 MHz

VBW 1 kHz

Stop 2.462000 GHz  
SWP 300 ms

### Multi Marker List

No. 1	2.411222 GHz	111.15 dB $\mu$ V	(B)
No. 2	2.412333 GHz	111.07 dB $\mu$ V	(A)

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 77 of 183 Pages</p>

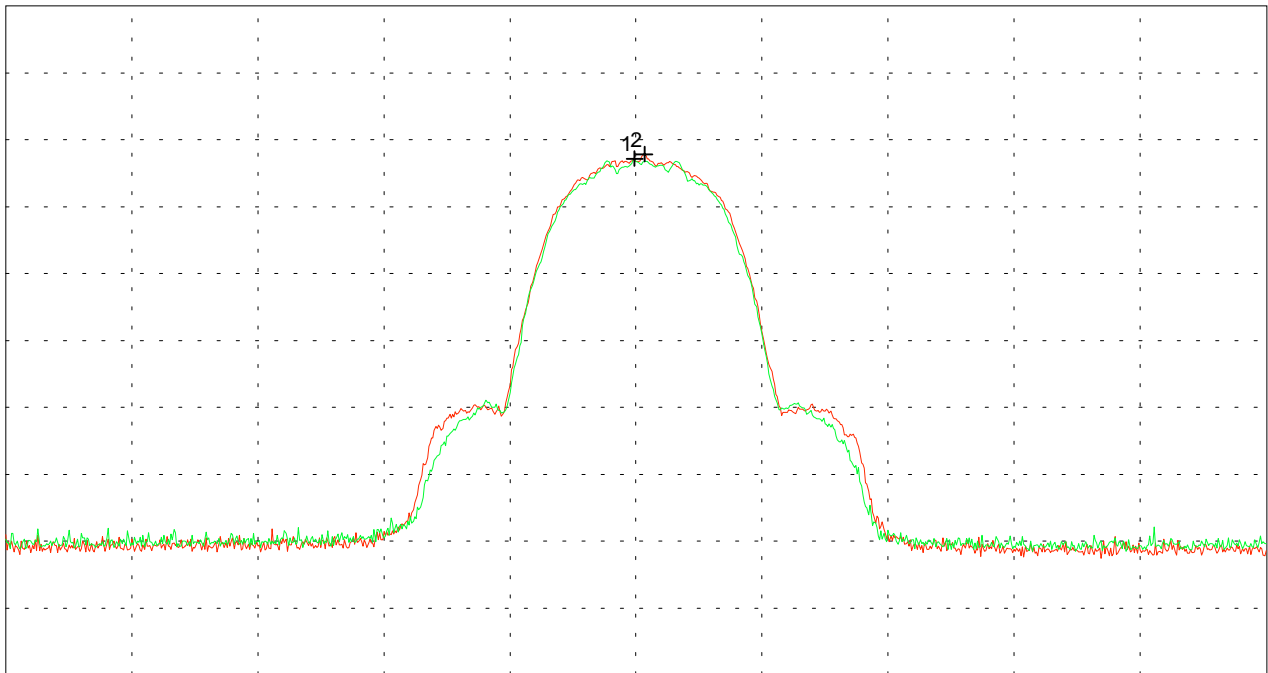
## Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - TX mode with $f = 2.462$ GHz
Serial No.: <b>02UTENG00002</b>	Tested on: antenna connector  Channel A (red) = with bit rate 11 Mbps Channel B (green) = with bit rate 5.5 Mbps
Applicant: <b>Agere Systems Nederland B.V.</b>	Note: Prescan for radiated emission at band edges (for information only)

Ref.Level 140 dB $\mu$ V  
10 dB/Div.

ATT 25 dB

Ref. Offset .9 dB



Start 2.412000 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.512000 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.461889 GHz	117.19 dB $\mu$ V	(B)
No. 2	2.462667 GHz	117.85 dB $\mu$ V	(A)

Tested by: <b>Rainer Heller</b>
Date: <b>09/16/2002</b>

Project-No.: <b>56305-20559-1</b>
Page 78 of 183 Pages

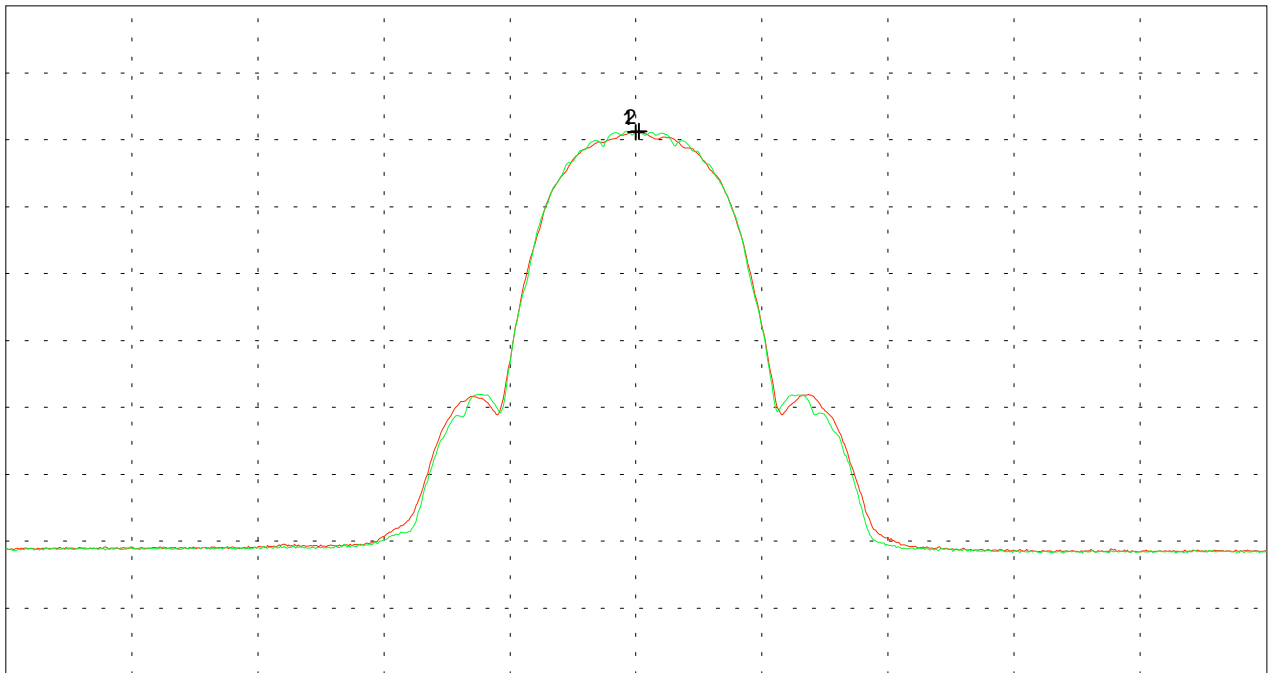
## Frequency range (conducted) acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- TX mode with <math>f = 2.462</math> GHz</p> <p>Tested on: antenna connector</p> <p>Channel A (red) = with bit rate 11 Mbps Channel B (green) = with bit rate 5.5 Mbps</p> <p>Note: Prescan for radiated emission at band edges (for information only)</p>
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Ref.Level 130 dB $\mu$ V  
10 dB/Div.

ATT 25 dB

Ref. Offset .9 dB



Start 2.412000 GHz  
RBW 1 MHz

VBW 1 kHz

Stop 2.512000 GHz  
SWP 300 ms

### Multi Marker List

No. 1	2.462000 GHz	111.12 dB $\mu$ V	(A)
No. 2	2.462222 GHz	111.27 dB $\mu$ V	(B)

<p>Tested by: Rainer Heller</p>
<p>Date: 09/16/2002</p>

<p>Project-No.: 56305-20559-1</p>
<p>Page 79 of 183 Pages</p>

# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Shielded room, cabin no. 2

Tested on:  
Linecord EUT (notebook)  
Phase L1

Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved

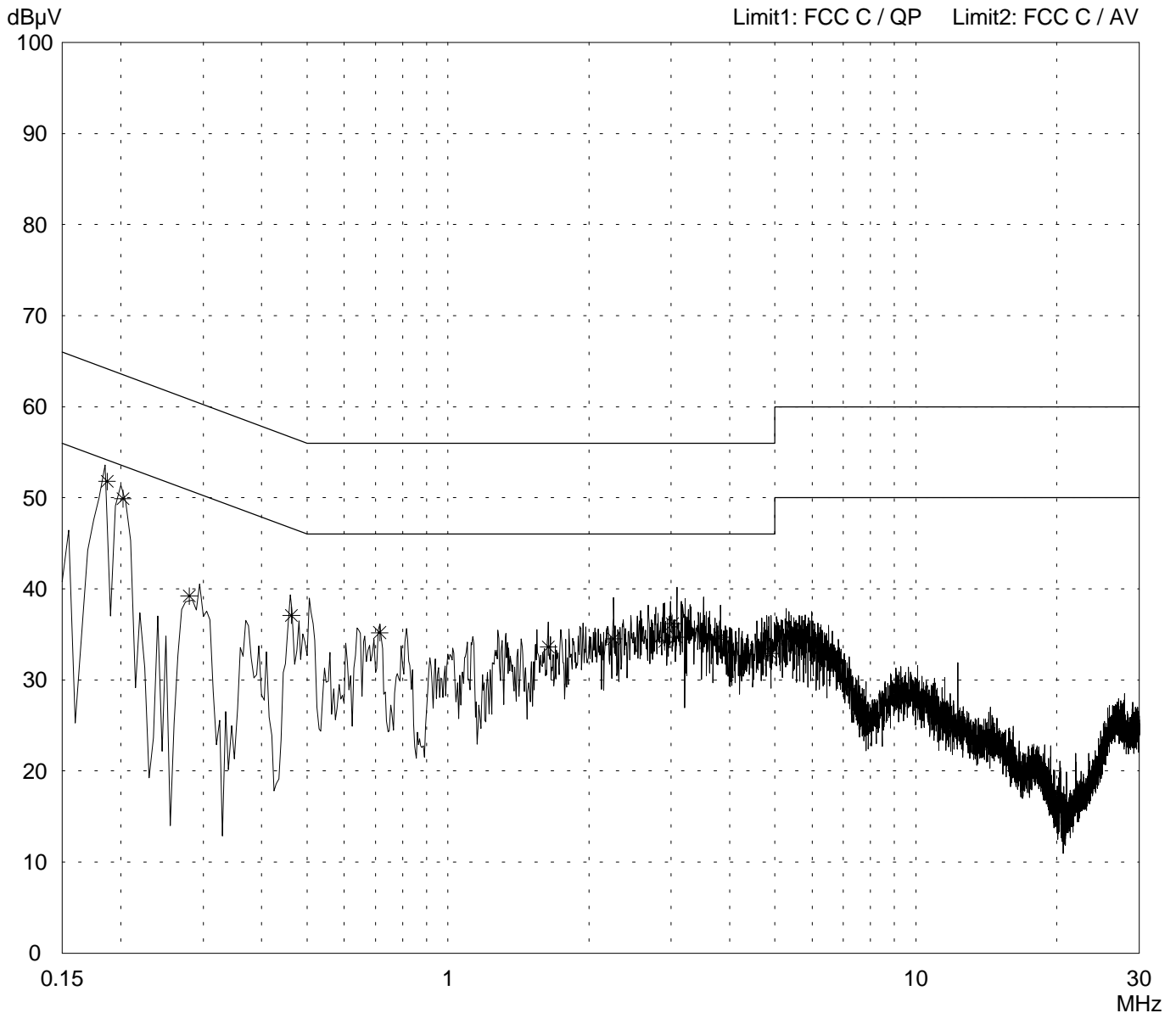
- operating with bit rate 11 Mbps

- TX mode with  $f = 2.412$  GHz

Final results with AV detector:  
0.187 MHz: 41.0 dB $\mu$ V  
0.202 MHz: 39.2 dB $\mu$ V

Detector:  
Peak / Final Results: QP

Final results:  
Selected by hand



Result:  
Limit kept

Project file:  
56305-20559-1

Page 80 of 183 Pages



## Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Shielded room, cabin no. 2</p> <p>Tested on: Linecord EUT (notebook) Phase L1</p> <p>Date of test: 09/10/2002      Operator: R. Heller</p> <p>Test performed: automatically      File name:</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with f = 2.412 GHz</p> <p>Final results with AV detector: 0.187 MHz: 41.0 dB<math>\mu</math>V 0.202 MHz: 39.2 dB<math>\mu</math>V</p>
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<p>Detector: Peak / Final Results: QP</p>	<p>Final results: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.187	51.8		51.8	64.2	
0.202	49.9		49.9	63.5	
0.280	39.2		39.2	60.8	
0.463	37.1		37.1	56.6	
0.715	35.2		35.2	56.0	
1.640	33.6		33.6	56.0	
2.260	34.5		34.5	56.0	
2.900	34.2		34.2	56.0	
3.017	36.2		36.2	56.0	
3.082	34.7		34.7	56.0	
3.825	34.7		34.7	56.0	
4.905	32.9		32.9	56.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 81 of 183 Pages</p>
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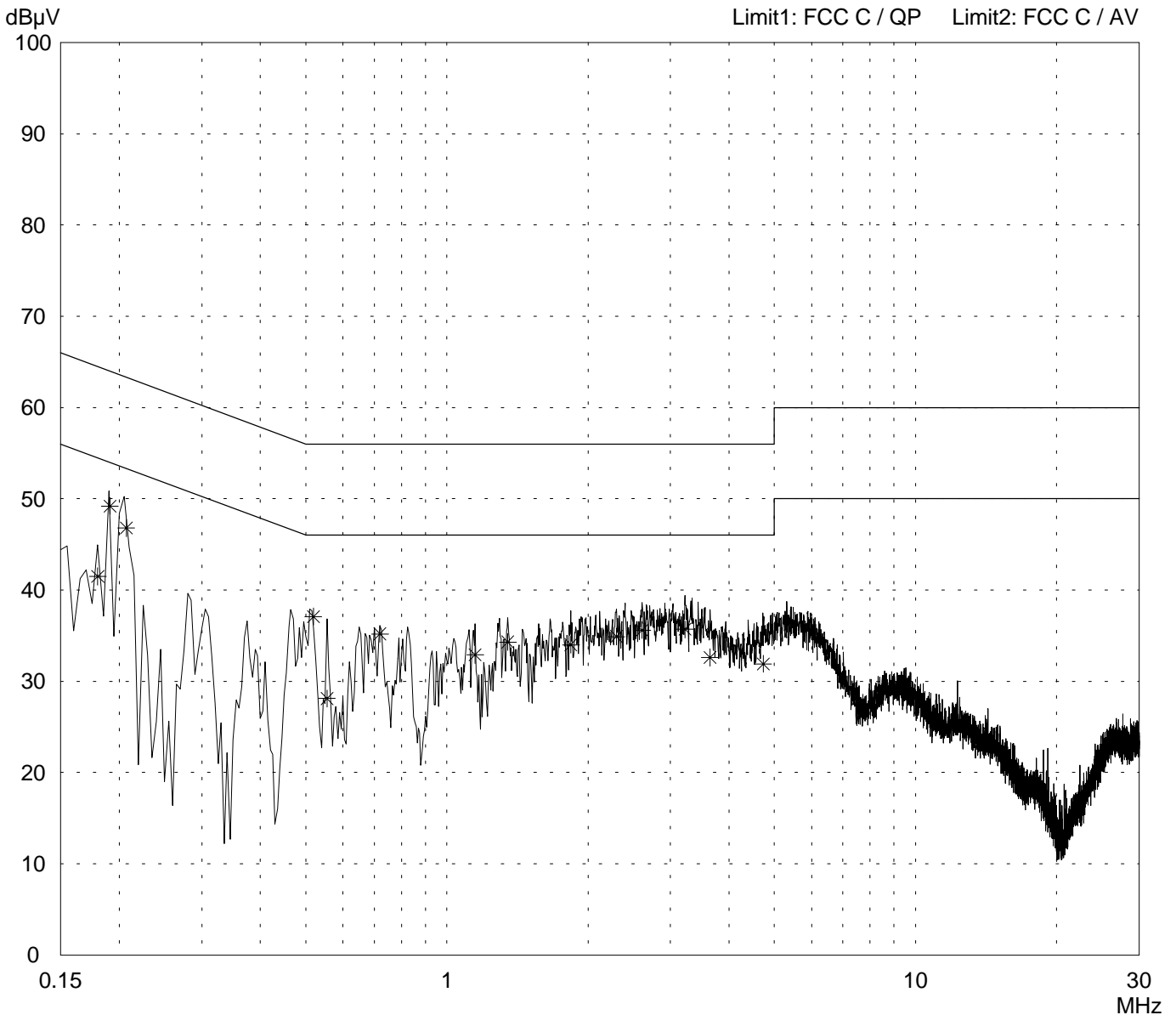
# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase N	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with $f = 2.412$ GHz  Final results with AV detector: 0.191 MHz: 38.7 dB $\mu$ V 0.207 MHz: 36.7 dB $\mu$ V
---

Detector: Peak / Final Results: QP
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Final results: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 82 of 183 Pages
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**Conducted Emission Test 150 kHz - 30 MHz  
according to FCC Part 15 Subpart C**

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with f = 2.412 GHz  Final results with AV detector: 0.191 MHz: 38.7 dB $\mu$ V 0.207 MHz: 36.7 dB $\mu$ V	
Serial no.: 02UTENG00002		
Applicant: Agere Systems Nederland B.V.		
Test site: Shielded room, cabin no. 2		
Tested on: Linecord EUT (notebook) Phase N		
Date of test: 09/10/2002		Operator: R. Heller
Test performed: automatically		File name:

Detector: Peak / Final Results: QP	Final results: Selected by hand
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.180	41.5		41.5	64.5	
0.191	49.2		49.2	64.0	
0.207	46.8		46.8	63.3	
0.519	37.1		37.1	56.0	
0.555	28.1		28.1	56.0	
0.720	35.2		35.2	56.0	
1.150	32.9		32.9	56.0	
1.350	34.3		34.3	56.0	
1.840	34.0		34.0	56.0	
2.300	34.9		34.9	56.0	
2.610	35.6		35.6	56.0	
3.220	35.7		35.7	56.0	
3.645	32.6		32.6	56.0	
4.730	31.9		31.9	56.0	

Result: Limit kept	Project file: 56305-20559-1	Page 83 of 183 Pages
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# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Shielded room, cabin no. 2

Tested on:  
Linecord EUT (notebook)  
Phase L1

Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved

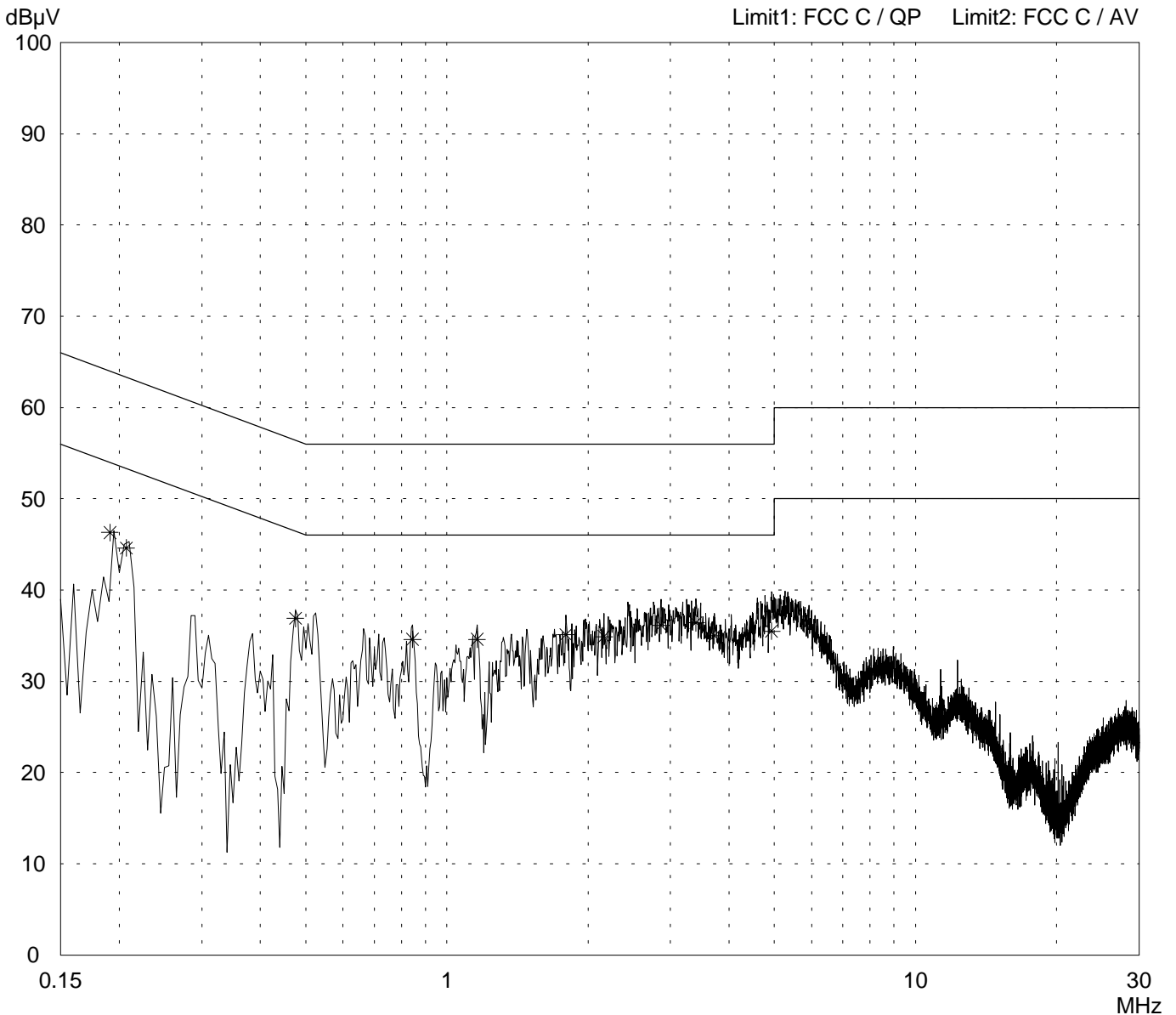
- operating with bit rate 11 Mbps

- TX mode with  $f = 2.442$  GHz

Final results with AV detector:  
0.191 MHz: 36.8 dB $\mu$ V  
0.207 MHz: 35.4 dB $\mu$ V

Detector:  
Peak / Final Results: QP

Final results:  
Selected by hand



Result:  
Limit kept

Project file:  
56305-20559-1

Page 84 of 183 Pages

**Conducted Emission Test 150 kHz - 30 MHz  
according to FCC Part 15 Subpart C**

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with f = 2.442 GHz  Final results with AV detector: 0.191 MHz: 36.8 dB $\mu$ V 0.207 MHz: 35.4 dB $\mu$ V	
Serial no.: 02UTENG00002		
Applicant: Agere Systems Nederland B.V.		
Test site: Shielded room, cabin no. 2		
Tested on: Linecord EUT (notebook) Phase L1		
Date of test: 09/10/2002		Operator: R. Heller
Test performed: automatically		File name:

Detector: Peak / Final Results: QP	Final results: Selected by hand
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.191	46.3		46.3	64.0	
0.207	44.6		44.6	63.3	
0.475	36.9		36.9	56.4	
0.845	34.6		34.6	56.0	
1.160	34.6		34.6	56.0	
1.795	35.1		35.1	56.0	
2.165	34.9		34.9	56.0	
2.865	36.1		36.1	56.0	
3.400	36.4		36.4	56.0	
3.725	35.0		35.0	56.0	
4.930	35.5		35.5	56.0	

Result: Limit kept	Project file: 56305-20559-1	Page 85 of 183 Pages
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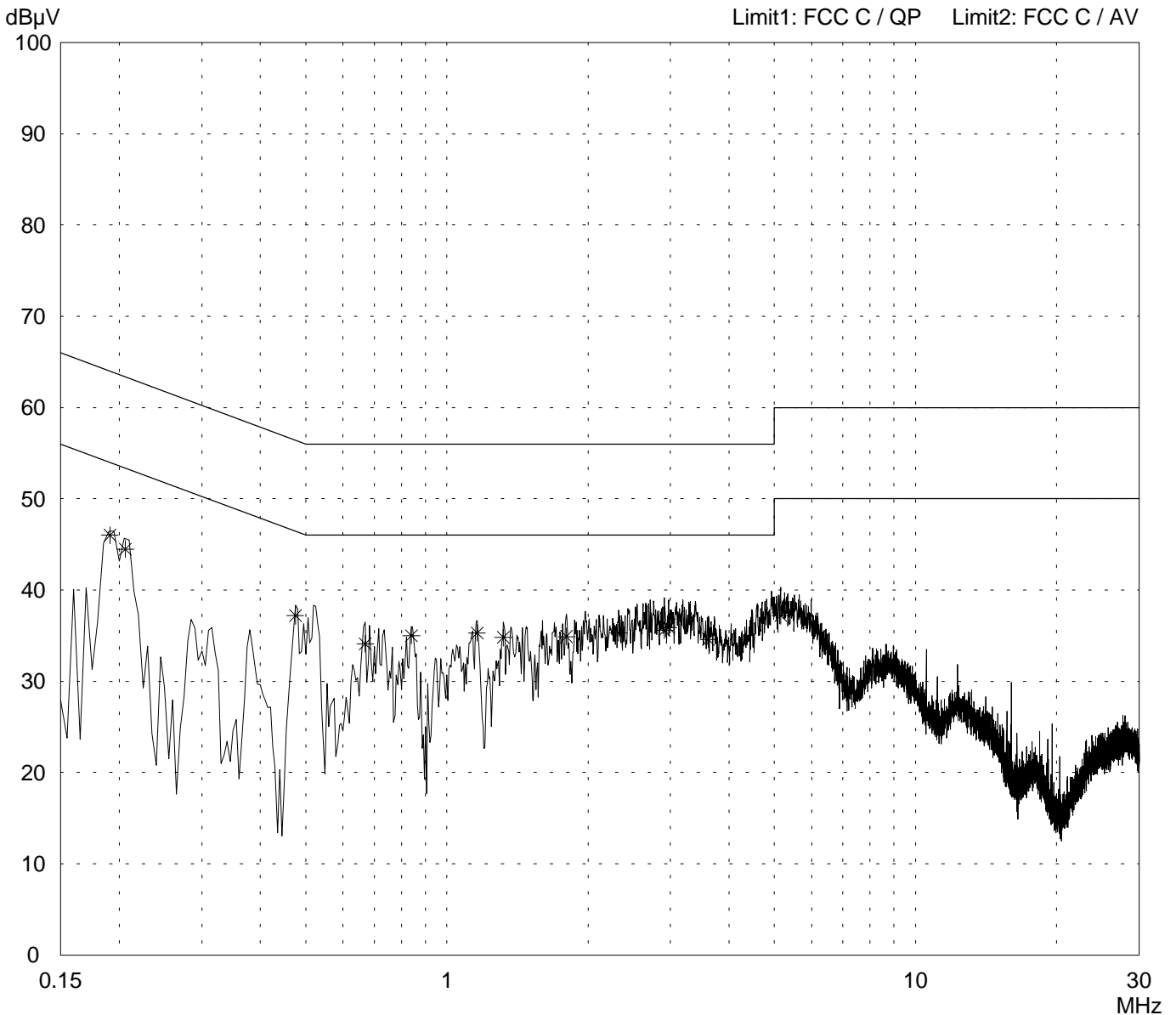
# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase N	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.442</math> GHz</p> <p>Final results with AV detector: 0.191 MHz: 37.1 dB<math>\mu</math>V 0.206 MHz: 36.1 dB<math>\mu</math>V</p>
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Detector: Peak / Final Results: QP
---------------------------------------

Final results: 20 dB Margin	25 Subranges
--------------------------------	--------------



Result: Limit kept
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Project file: 56305-20559-1	Page 86 of 183 Pages
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## Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with f = 2.442 GHz
Serial no.: 02UTENG00002	Final results with AV detector: 0.191 MHz: 37.1 dB $\mu$ V 0.206 MHz: 36.1 dB $\mu$ V
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase N	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Detector: Peak / Final Results: QP	Final results: 20 dB Margin <span style="float: right;">25 Subranges</span>
---------------------------------------	--

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.191	46.0		46.0	64.0	
0.206	44.5		44.5	63.4	
0.475	37.2		37.2	56.4	
0.670	34.1		34.1	56.0	
0.840	35.0		35.0	56.0	
1.160	35.3		35.3	56.0	
1.320	34.8		34.8	56.0	
1.800	34.9		34.9	56.0	
2.325	35.3		35.3	56.0	
2.910	35.6		35.6	56.0	
2.970	35.9		35.9	56.0	
3.615	34.6		34.6	56.0	
5.155	37.2		37.2	60.0	

Result: Limit kept	Project file: 56305-20559-1 <span style="float: right;">Page 87 of 183 Pages</span>
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# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Shielded room, cabin no. 2

Tested on:  
Linecord EUT (notebook)  
Phase L1

Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved

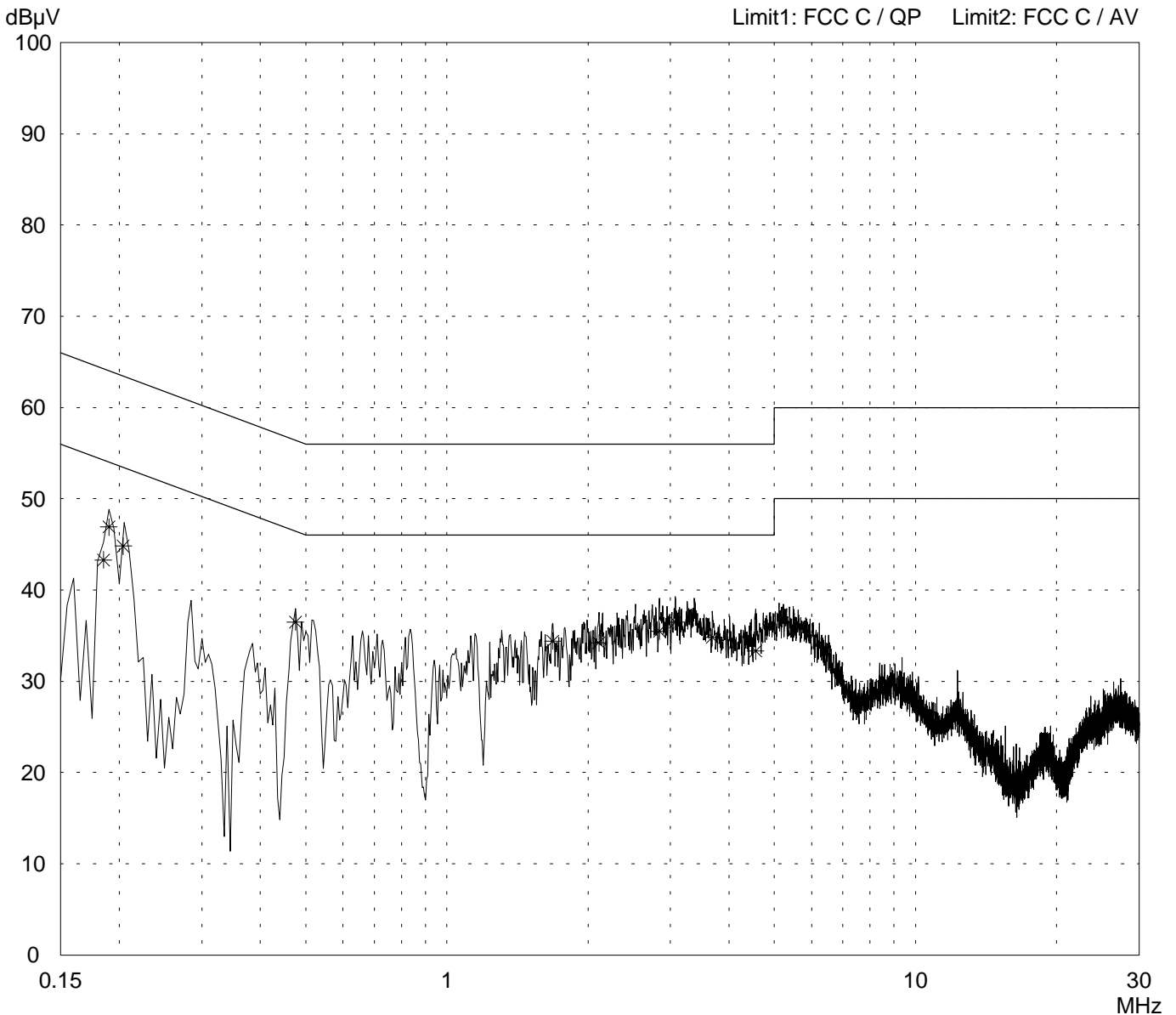
- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Final results with AV detector:  
0.191 MHz: 36.4 dB $\mu$ V  
0.204 MHz: 36.2 dB $\mu$ V

Detector:  
Peak / Final Results: QP

Final results:  
Selected by hand



Result:  
Limit kept

Project file:  
56305-20559-1

Page 88 of 183 Pages



## Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Shielded room, cabin no. 2

Tested on:  
Linecord EUT (notebook)  
Phase L1

Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- operating with bit rate 11 Mbps
- TX mode with  $f = 2.462$  GHz

Final results with AV detector:  
0.191 MHz: 36.4 dB $\mu$ V  
0.204 MHz: 36.2 dB $\mu$ V

Detector:  
Peak / Final Results: QP

Final results:  
Selected by hand

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.185	43.3		43.3	64.3	
0.190	46.9		46.9	64.0	
0.204	44.8		44.8	63.4	
0.475	36.5		36.5	56.4	
1.685	34.4		34.4	56.0	
2.110	34.2		34.2	56.0	
2.840	35.5		35.5	56.0	
3.070	36.5		36.5	56.0	
3.685	34.8		34.8	56.0	
4.555	33.3		33.3	56.0	

Result:  
Limit kept

Project file:  
56305-20559-1

Page 89 of 183 Pages

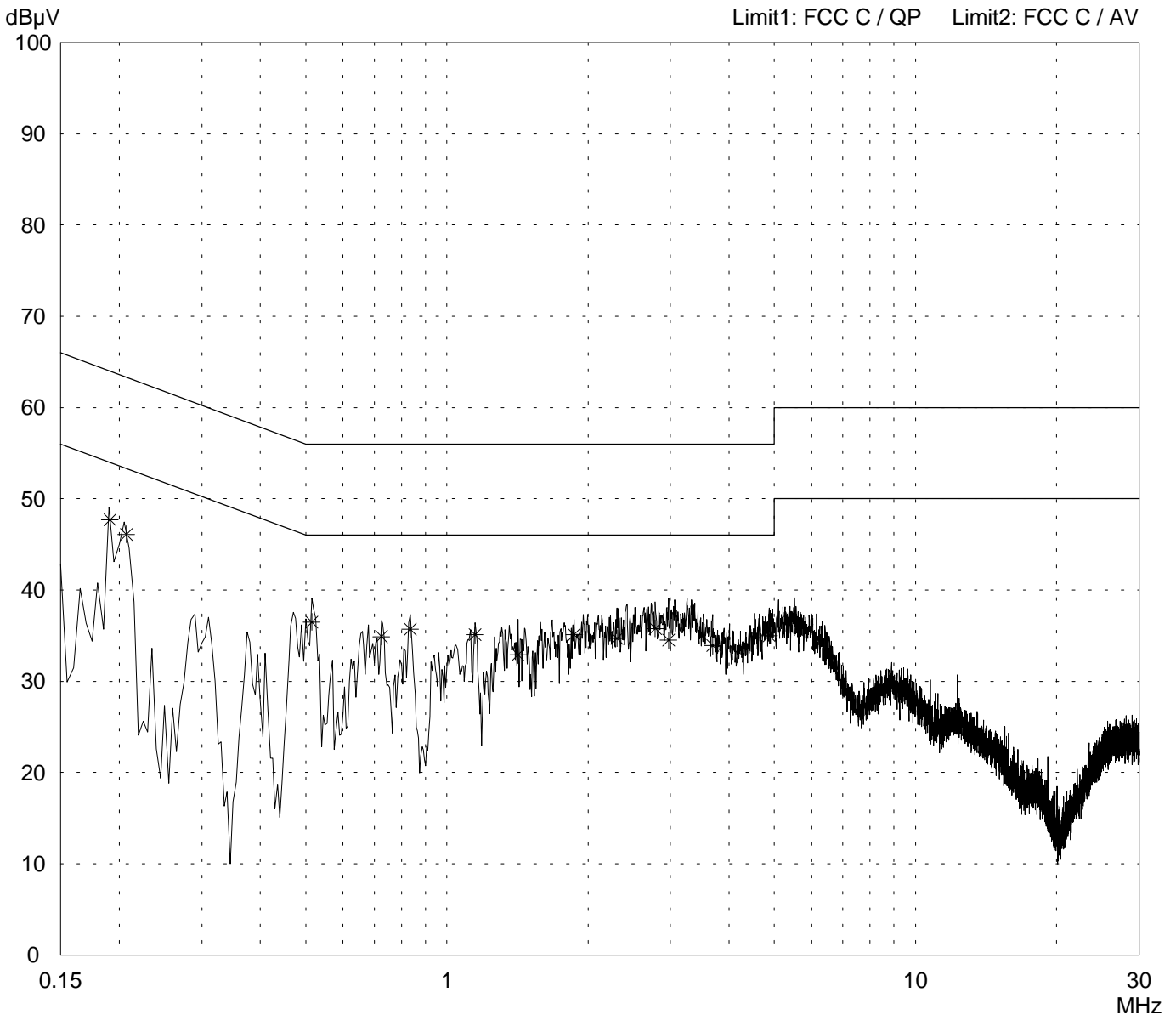
# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase N	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with $f = 2.462$ GHz  Final results with AV detector: 0.191 MHz: 37.7 dB $\mu$ V 0.207 MHz: 36.3 dB $\mu$ V
---

Detector: Peak / Final Results: QP
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Final results: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 90 of 183 Pages
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## Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Shielded room, cabin no. 2</p> <p>Tested on: Linecord EUT (notebook) Phase N</p> <p>Date of test: 09/10/2002      Operator: R. Heller</p> <p>Test performed: automatically      File name:</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with f = 2.462 GHz</p> <p>Final results with AV detector: 0.191 MHz: 37.7 dB<math>\mu</math>V 0.207 MHz: 36.3 dB<math>\mu</math>V</p>
---	--

<p>Detector: Peak / Final Results: QP</p>	<p>Final results: Selected by hand</p>
---	--

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.191	47.7		47.7	64.0	
0.207	46.1		46.1	63.3	
0.515	36.5		36.5	56.0	
0.725	34.9		34.9	56.0	
0.835	35.7		35.7	56.0	
1.150	35.1		35.1	56.0	
1.420	32.9		32.9	56.0	
1.870	35.1		35.1	56.0	
2.305	34.7		34.7	56.0	
2.785	35.8		35.8	56.0	
2.970	34.5		34.5	56.0	
3.690	33.9		33.9	56.0	
4.870	35.0		35.0	56.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 91 of 183 Pages</p>
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Horizontal Polarization

Date of test: 09/10/2002      Operator: R. Heller

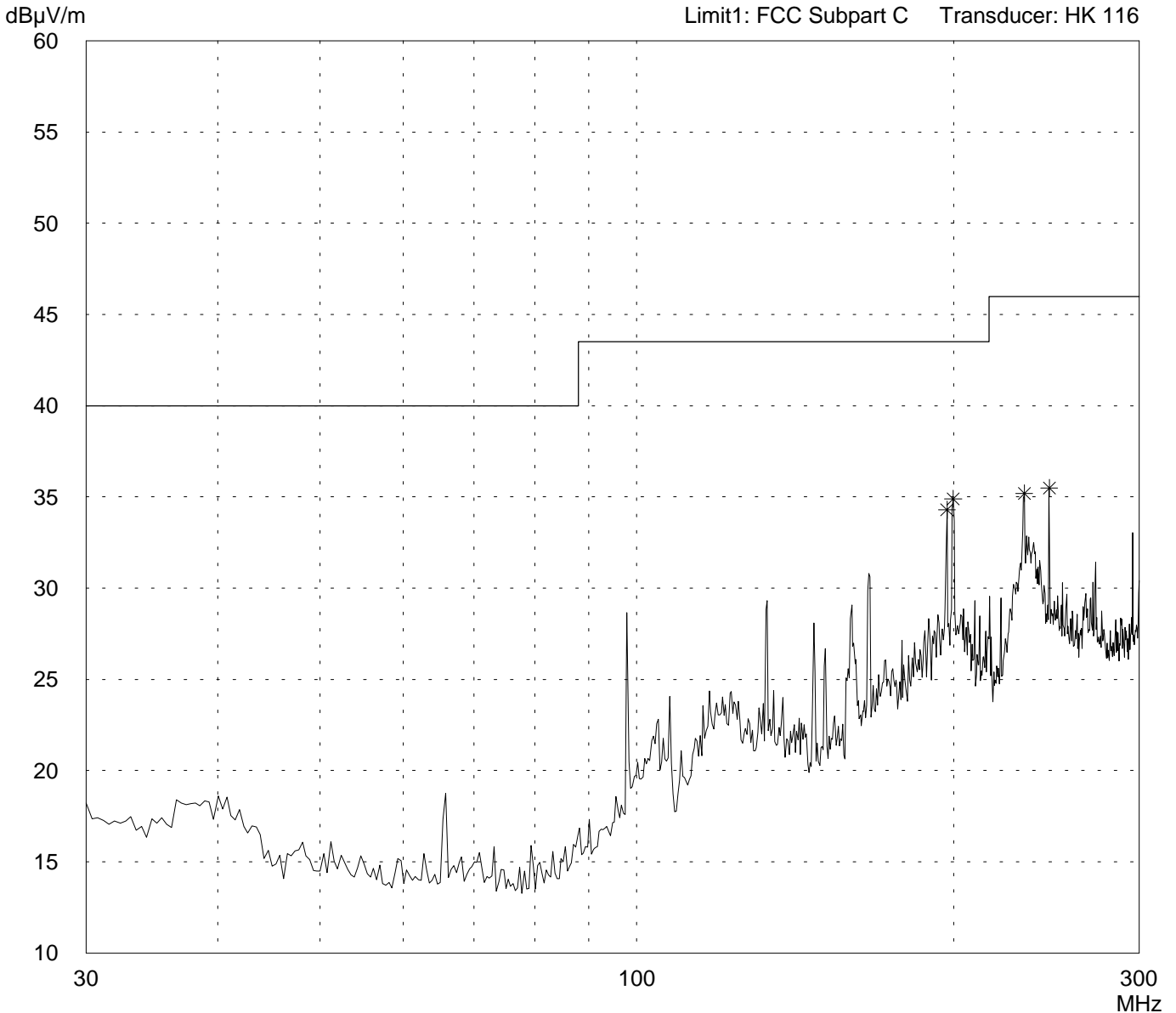
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- TX mode with  $f = 2.412$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

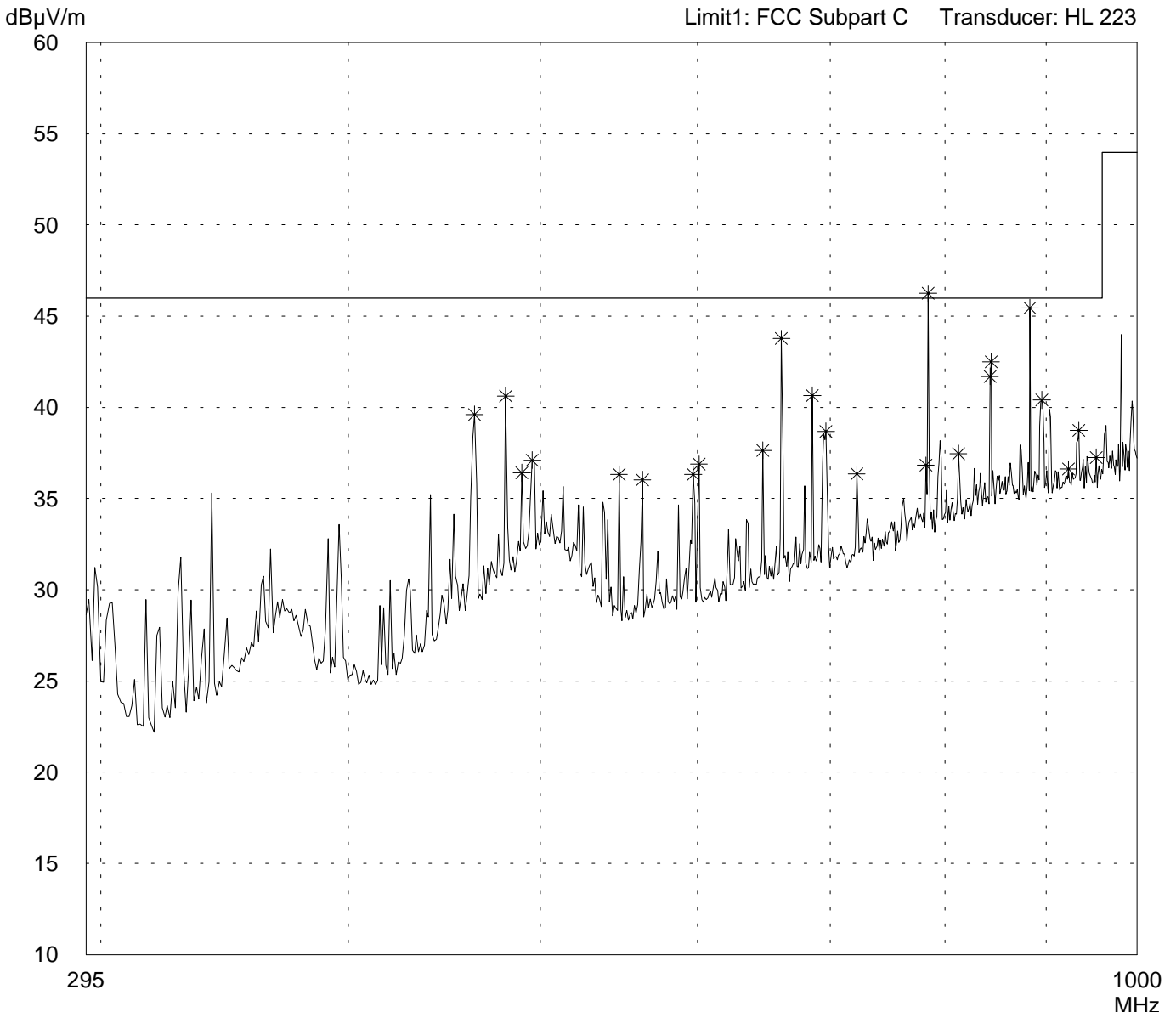
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with f = 2.412 GHz

Detector: Peak
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List of values:
10 dB Margin <span style="float: right;">50 Subranges</span>



Result: Prescan
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Project file: 56305-20559-1	Page 93 of 183 Pages
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Vertical Polarization

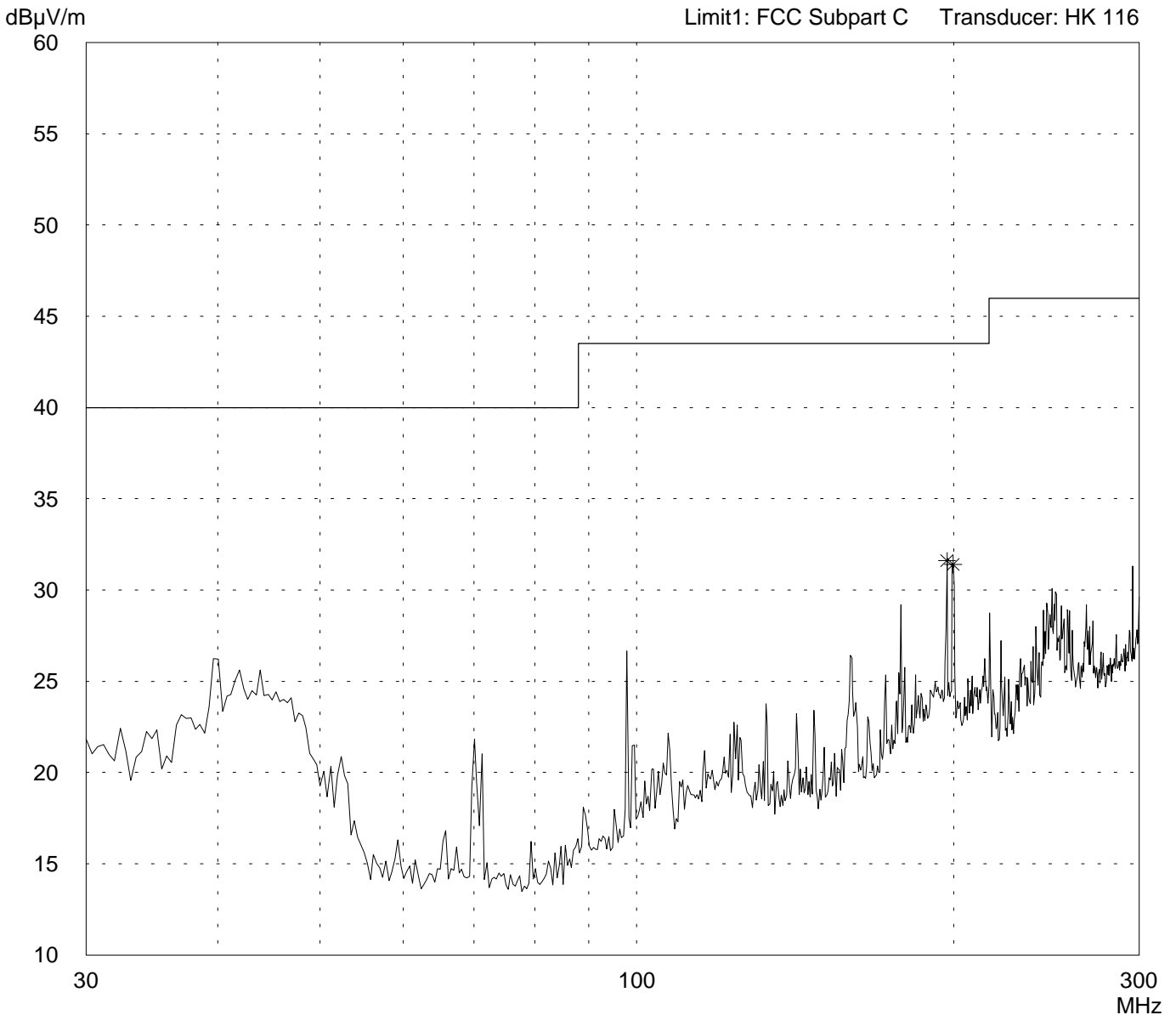
Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

- Mode:
- FCC test setup
  - supply voltage 115 V AC
  - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
  - shielding of PC-card extender improved
  - display switched off
  
  - operating with bit rate 11 Mbps
  
  - TX mode with  $f = 2.412$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

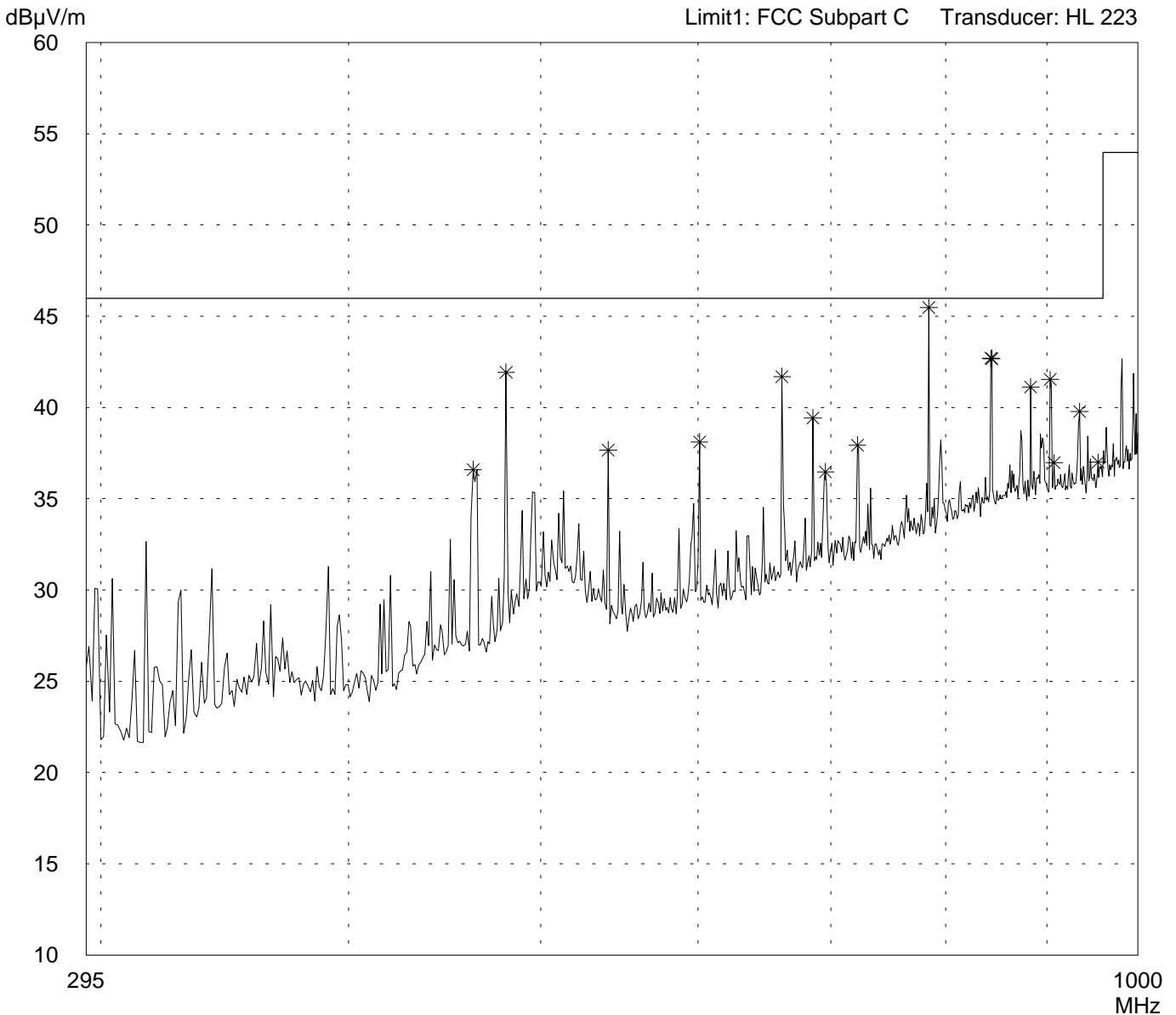
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector: Peak
-------------------

List of values:
10 dB Margin
50 Subranges



Result: Prescan
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Project file: 56305-20559-1	Page 95 of 183 Pages
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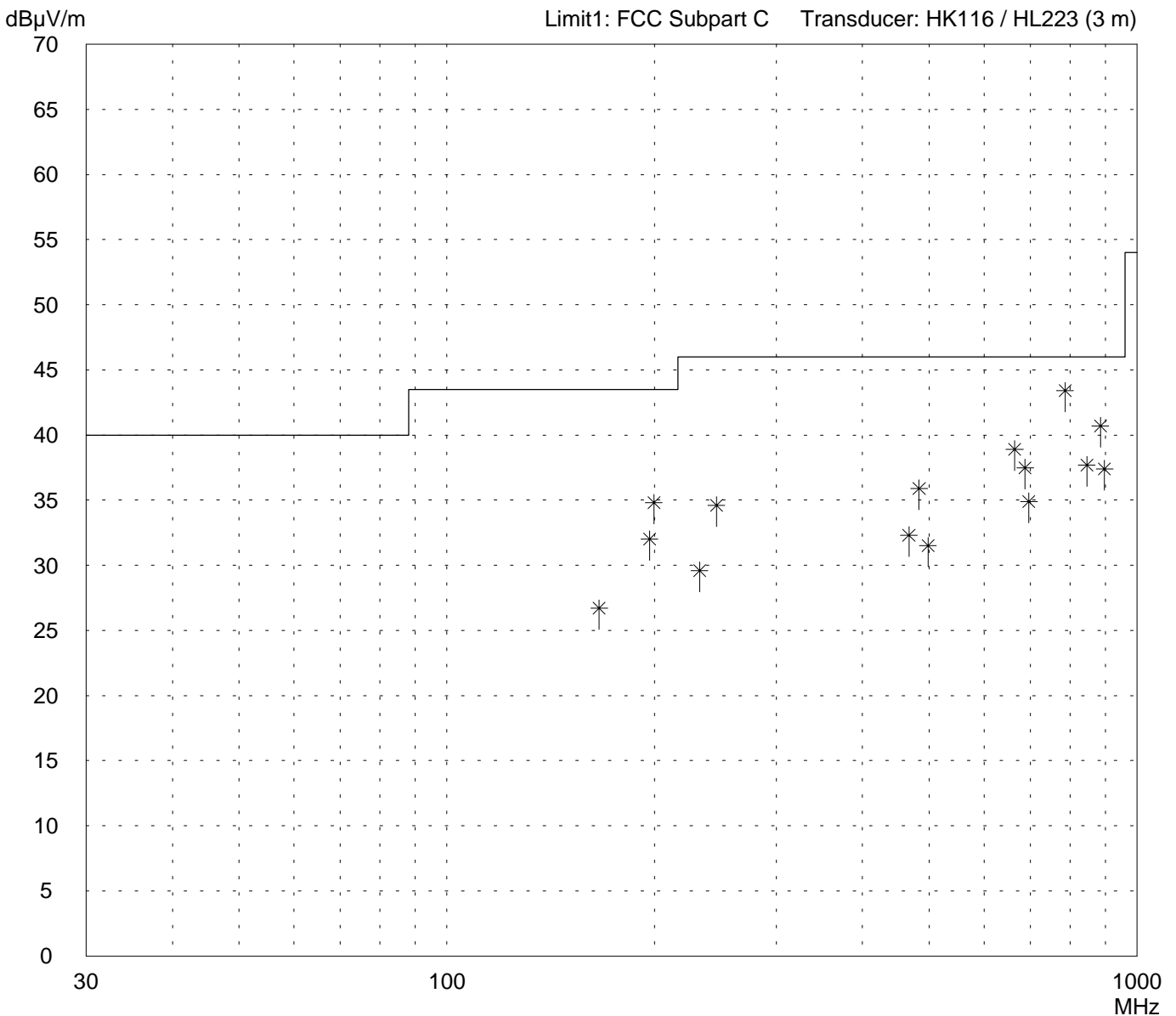
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector: Quasi-Peak
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List of values: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 96 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Horizontal Polarization</p> <p>Date of test: 09/11/2002      Operator: R. Heller</p> <p>Test performed: by hand      File name:</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with f = 2.412 GHz</p>
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<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
166.20	9.5	17.2	26.7	43.5	
196.61	12.7	19.3	32.0	43.5	
199.37	15.3	19.5	34.8	43.5	
232.28	9.5	20.1	29.6	46.0	
245.77	14.2	20.4	34.6	46.0	
466.95	8.0	24.3	32.3	46.0	
483.31	11.2	24.7	35.9	46.0	
497.82	6.5	25.0	31.5	46.0	
664.65	8.7	30.2	38.9	46.0	
688.16	6.4	31.1	37.5	46.0	
696.88	3.5	31.4	34.9	46.0	
786.46	10.8	32.6	43.4	46.0	
845.84	3.8	33.9	37.7	46.0	
884.77	6.4	34.3	40.7	46.0	
897.03	3.0	34.4	37.4	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 97 of 183 Pages</p>
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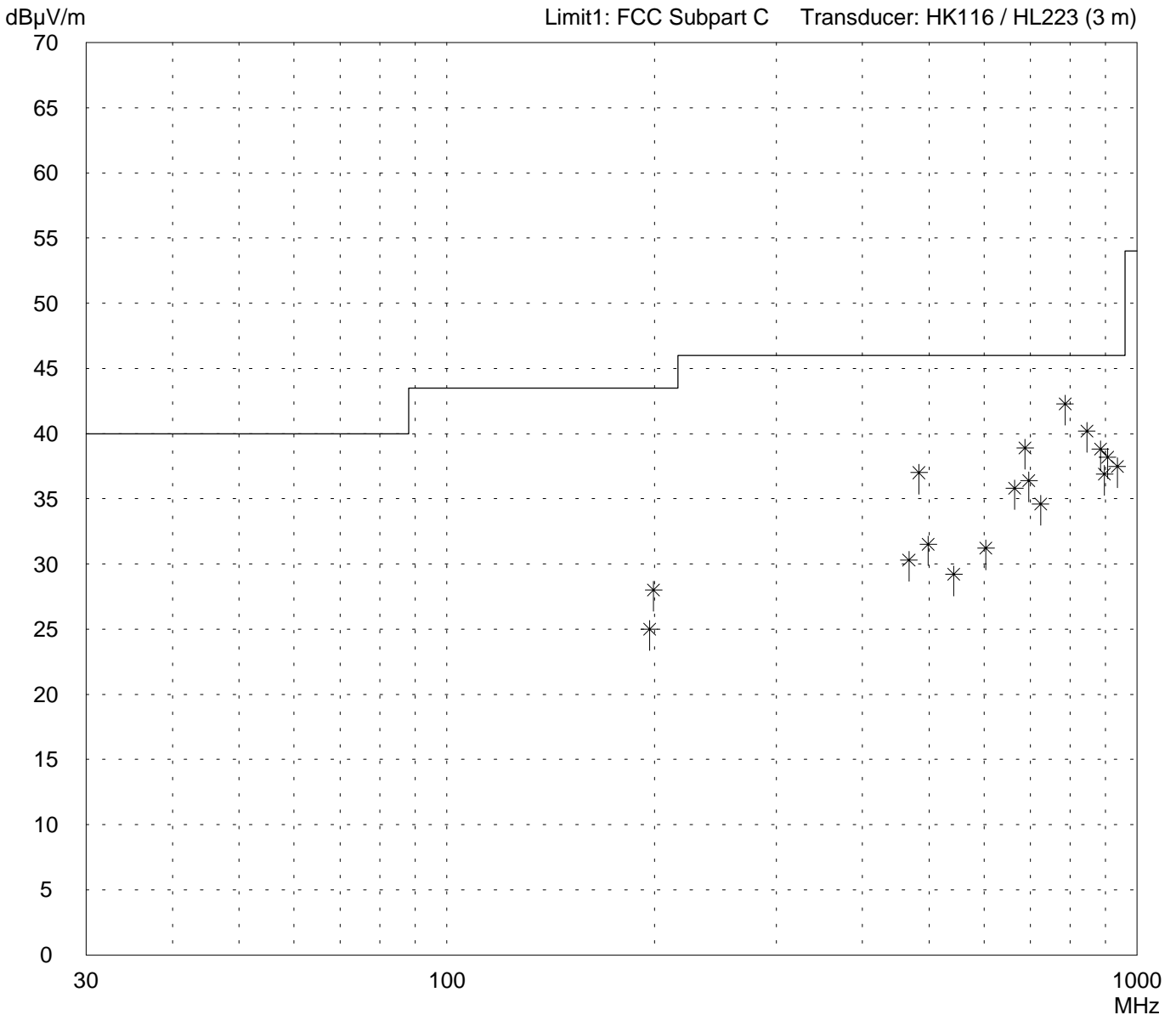
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector: Quasi-Peak
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List of values: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 98 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Vertical Polarization</p> <p>Date of test:                      Operator: 09/11/2002                      R. Heller</p> <p>Test performed:                      File name: by hand</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.412</math> GHz</p>
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<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
---------------------------------	---

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
196.61	5.7	19.3	25.0	43.5	
199.29	8.5	19.5	28.0	43.5	
466.95	6.0	24.3	30.3	46.0	
483.15	12.3	24.7	37.0	46.0	
498.33	6.5	25.0	31.5	46.0	
542.85	3.0	26.2	29.2	46.0	
603.87	3.0	28.2	31.2	46.0	
664.65	5.6	30.2	35.8	46.0	
688.16	7.8	31.1	38.9	46.0	
696.88	5.0	31.4	36.4	46.0	
724.68	2.9	31.7	34.6	46.0	
786.46	9.7	32.6	42.3	46.0	
845.38	6.3	33.9	40.2	46.0	
884.77	4.5	34.3	38.8	46.0	
897.03	2.5	34.4	36.9	46.0	
905.90	3.8	34.4	38.2	46.0	
936.00	3.0	34.5	37.5	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 99 of 183 Pages</p>
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Horizontal Polarization

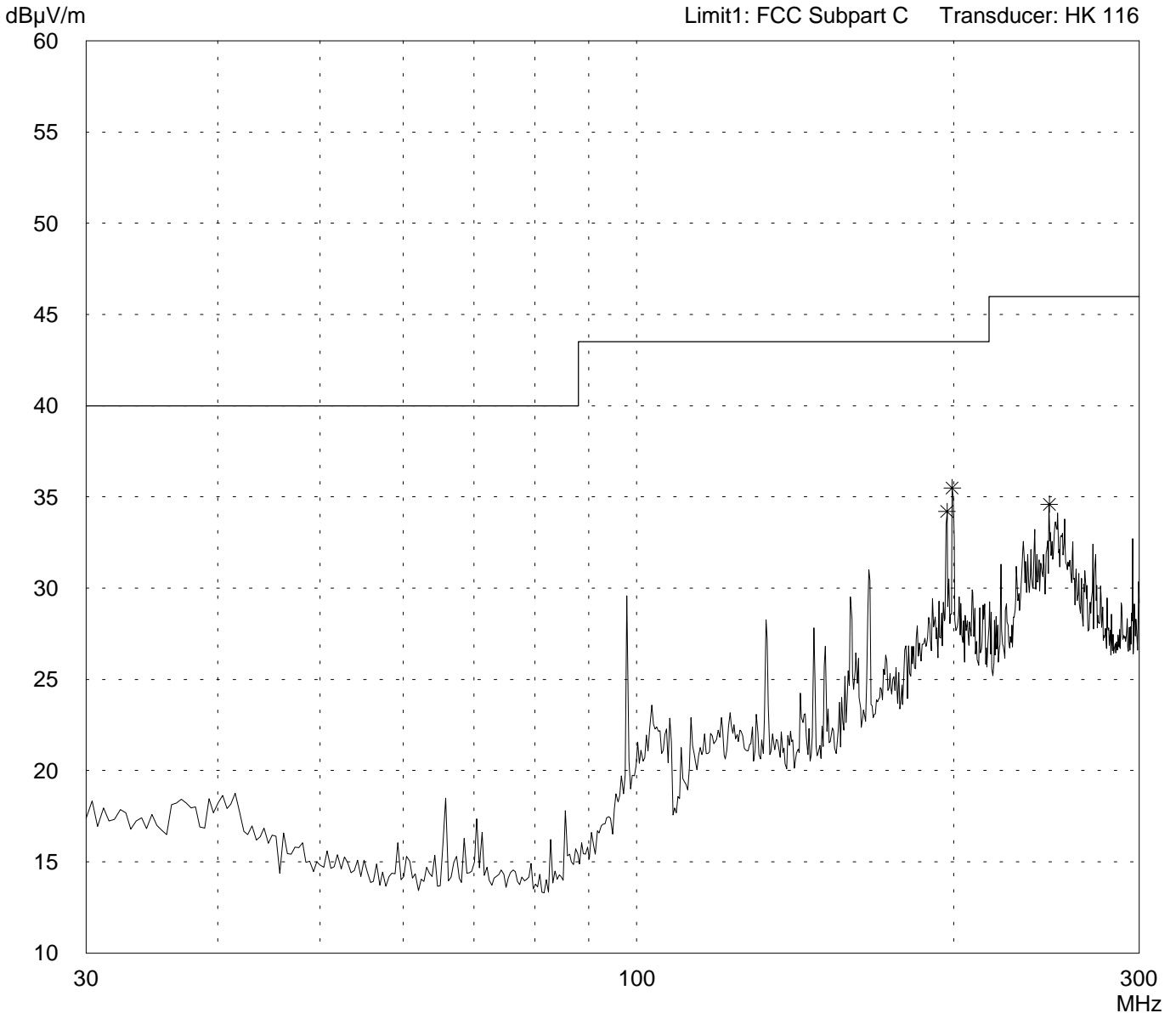
Date of test: 09/10/2002      Operator: R. Heller

Test performed: automatically      File name:

- Mode:
- FCC test setup
  - supply voltage 115 V AC
  - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
  - shielding of PC-card extender improved
  - display switched off
  
  - operating with bit rate 11 Mbps
  
  - TX mode with  $f = 2.442$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

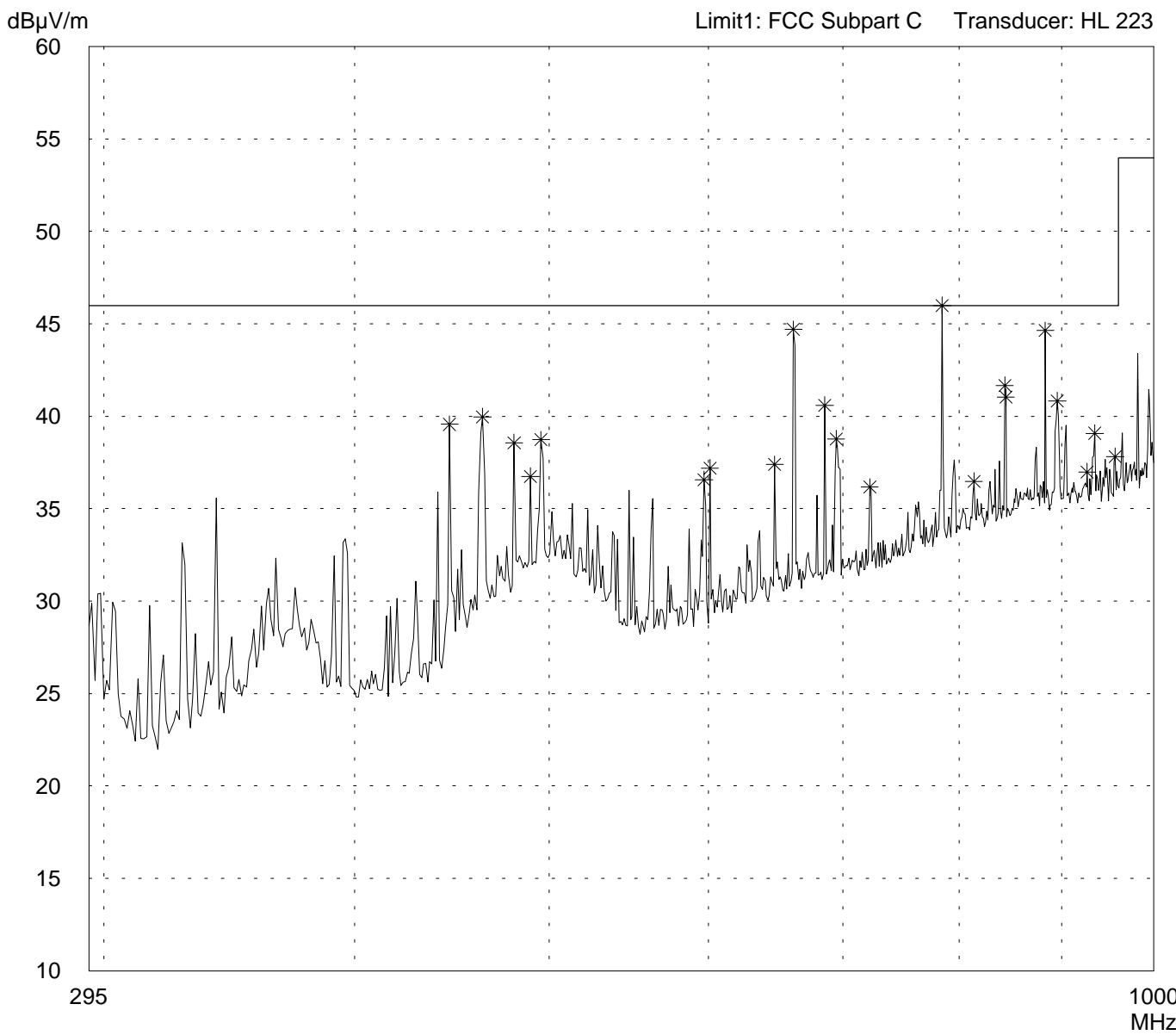
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with f = 2.442 GHz

Detector: Peak
-------------------

List of values:
10 dB Margin
50 Subranges



Result: Prescan
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Project file: 56305-20559-1	Page 101 of 183 Pages
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Vertical Polarization

Date of test: 09/10/2002      Operator: R. Heller

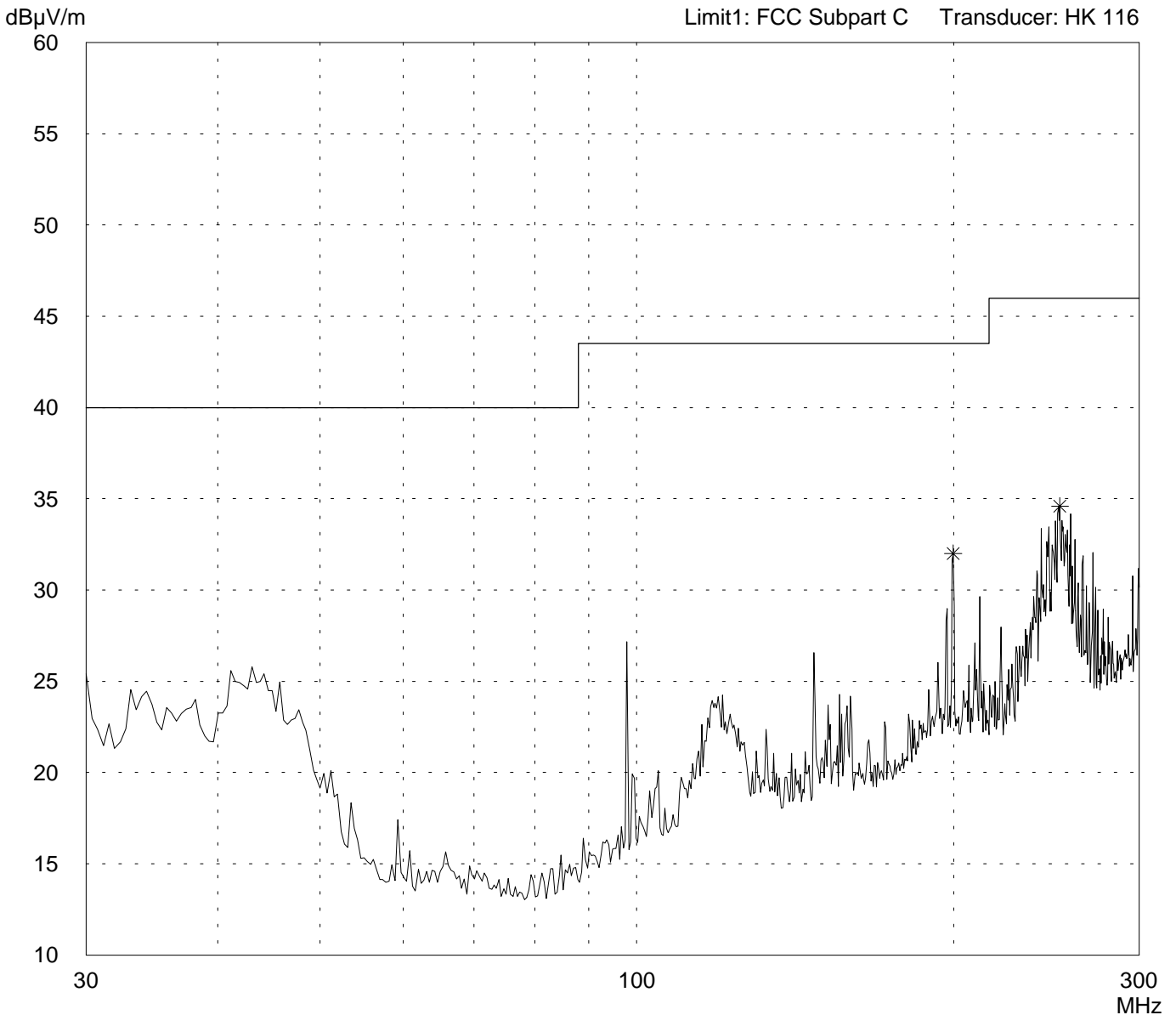
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- TX mode with  $f = 2.442$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

Page 102 of 183 Pages

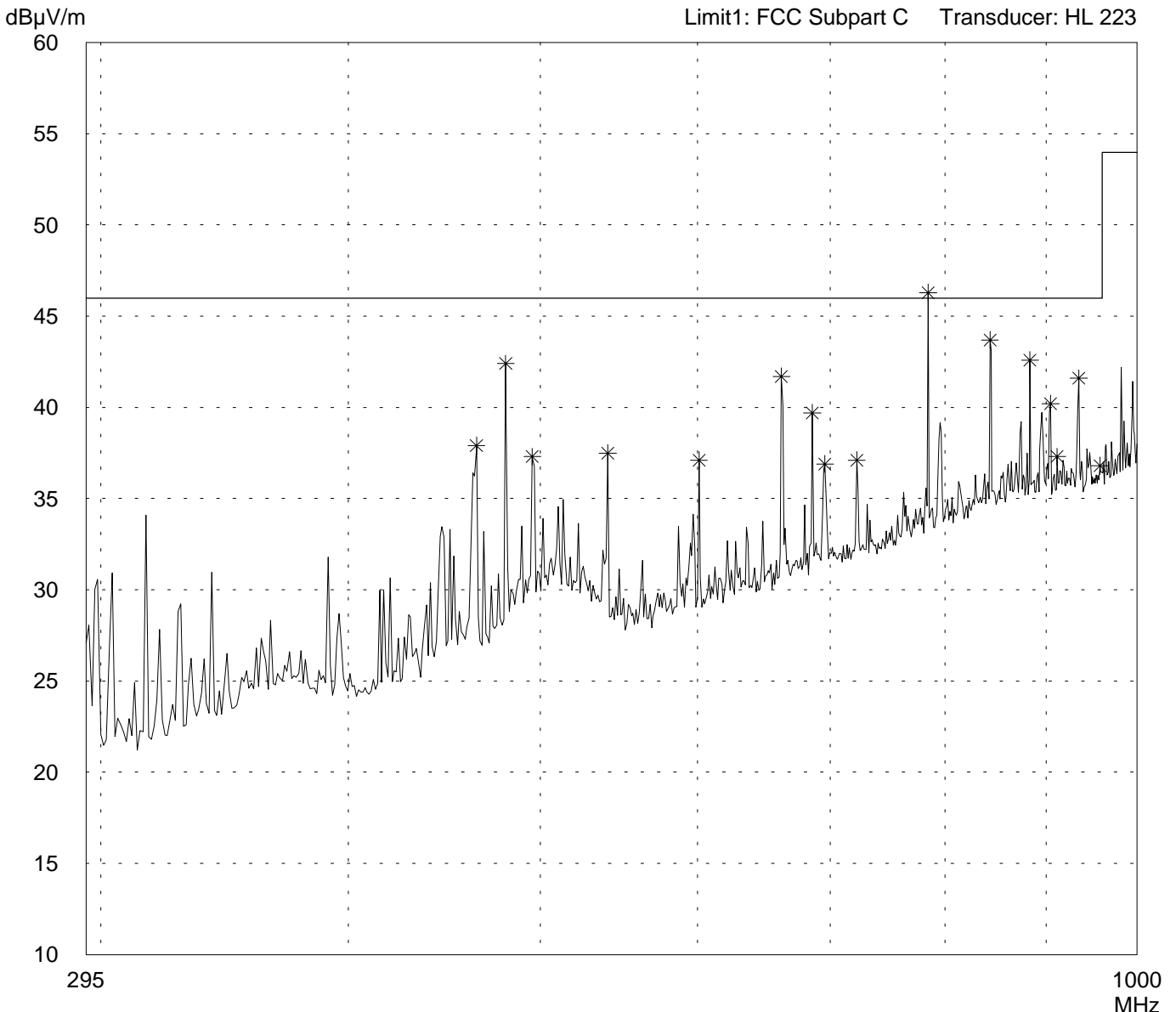
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode: <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul>
<ul style="list-style-type: none"> <li>- operating with bit rate 11 Mbps</li> </ul>
<ul style="list-style-type: none"> <li>- TX mode with <math>f = 2.442</math> GHz</li> </ul>

Detector: Peak
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List of values: Selected by hand
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Result: Prescan
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Project file: 56305-20559-1	Page 103 of 183 Pages
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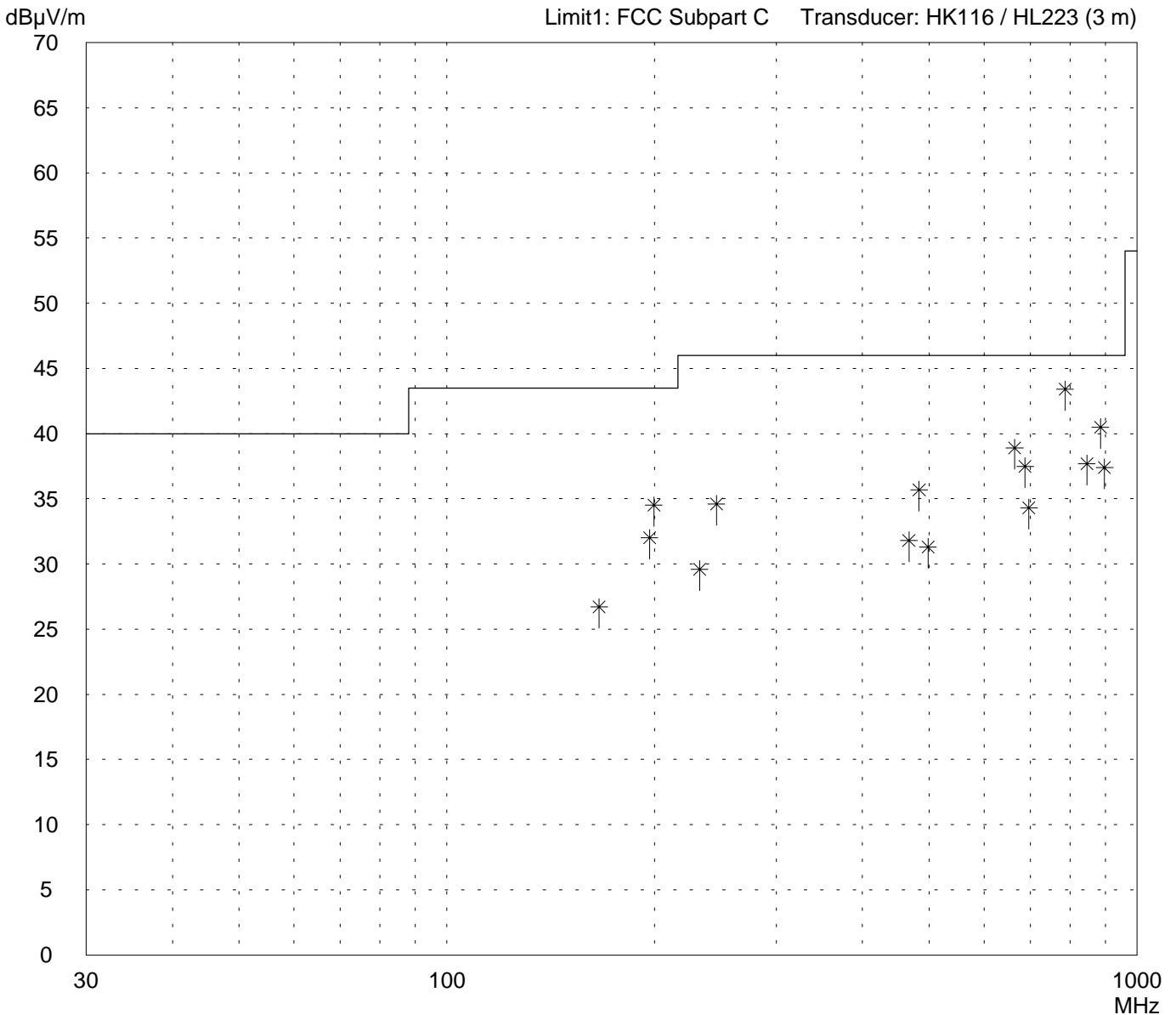
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode: <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul>
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Detector: Quasi-Peak
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List of values: Selected by hand
-------------------------------------



Result: Limit kept
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Project file: 56305-20559-1	Page 104 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Open area test-site I

Tested on:  
Test distance 3 meters  
Horizontal Polarization

Date of test: 09/11/2002      Operator:  
R. Heller

Test performed: by hand      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.442$  GHz

Detector:  
Quasi-Peak

List of values:  
Selected by hand

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
166.20	9.5	17.2	26.7	43.5	
196.61	12.7	19.3	32.0	43.5	
199.37	15.0	19.5	34.5	43.5	
232.28	9.5	20.1	29.6	46.0	
245.77	14.2	20.4	34.6	46.0	
466.95	7.5	24.3	31.8	46.0	
483.31	11.0	24.7	35.7	46.0	
497.82	6.3	25.0	31.3	46.0	
664.65	8.7	30.2	38.9	46.0	
688.16	6.4	31.1	37.5	46.0	
696.88	2.9	31.4	34.3	46.0	
786.46	10.8	32.6	43.4	46.0	
845.84	3.8	33.9	37.7	46.0	
884.77	6.2	34.3	40.5	46.0	
897.03	3.0	34.4	37.4	46.0	

Result:  
Limit kept

Project file:  
56305-20559-1

Page 105 of 183 Pages

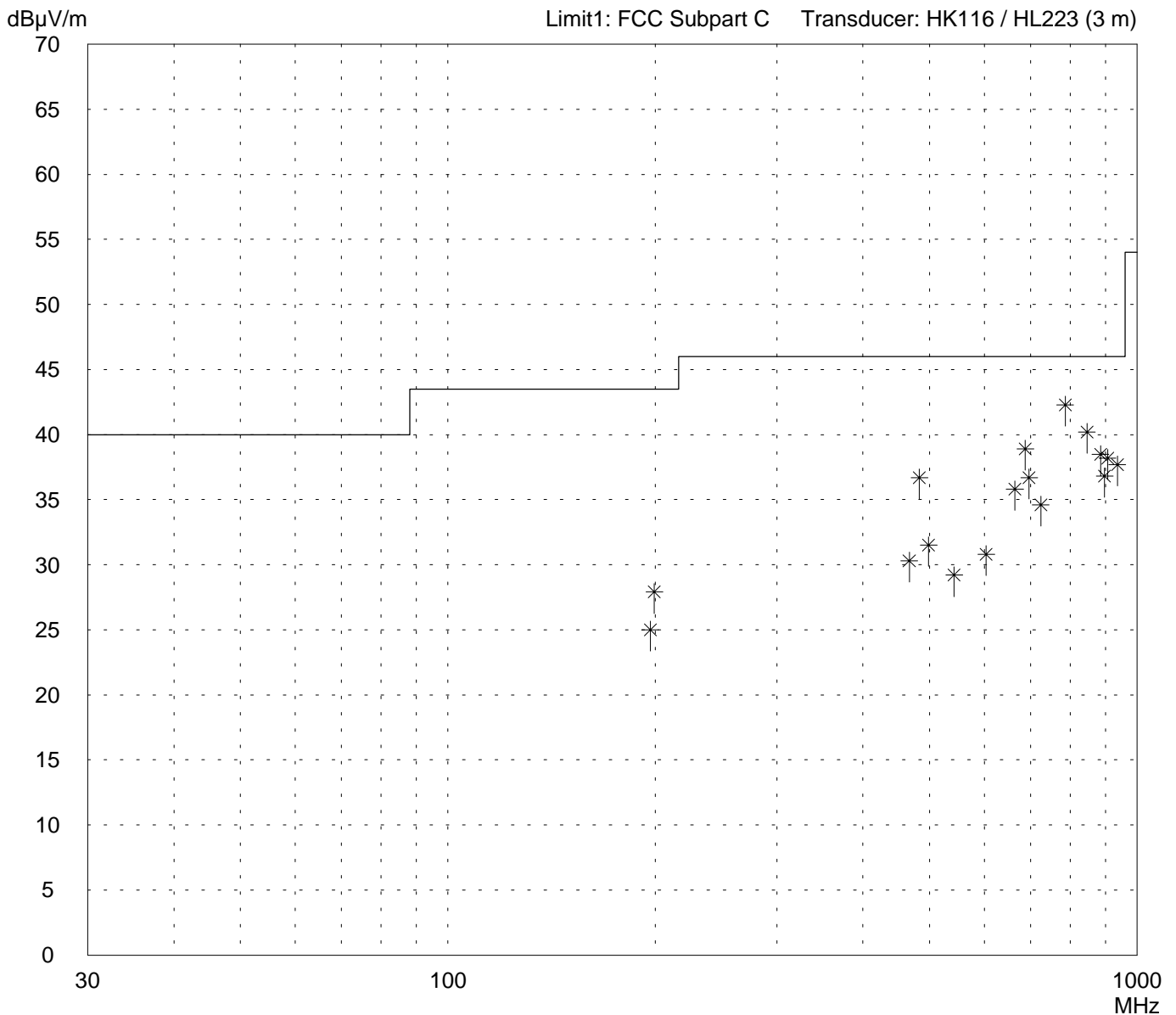
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode: <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul>
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Detector: Quasi-Peak
-------------------------

List of values: Selected by hand
-------------------------------------



Result: Limit kept
-----------------------

Project file: 56305-20559-1	Page 106 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Open area test-site I

Tested on:  
Test distance 3 meters  
Vertical Polarization

Date of test: 09/11/2002      Operator: R. Heller

Test performed: by hand      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.442$  GHz

Detector:  
Quasi-Peak

List of values:  
Selected by hand

Frequency MHz	Reading dB $\mu$ V	Correction factor dB	Value dB $\mu$ V/m	Limit dB $\mu$ V/m	Limit exceeded
196.61	5.7	19.3	25.0	43.5	
199.29	8.4	19.5	27.9	43.5	
466.95	6.0	24.3	30.3	46.0	
483.15	12.0	24.7	36.7	46.0	
498.33	6.5	25.0	31.5	46.0	
542.85	3.0	26.2	29.2	46.0	
603.87	2.6	28.2	30.8	46.0	
664.65	5.6	30.2	35.8	46.0	
688.16	7.8	31.1	38.9	46.0	
696.88	5.3	31.4	36.7	46.0	
724.68	2.9	31.7	34.6	46.0	
786.46	9.7	32.6	42.3	46.0	
845.38	6.3	33.9	40.2	46.0	
884.77	4.2	34.3	38.5	46.0	
897.03	2.4	34.4	36.8	46.0	
905.90	3.8	34.4	38.2	46.0	
936.00	3.2	34.5	37.7	46.0	

Result:  
Limit kept

Project file:  
56305-20559-1

Page 107 of 183 Pages

# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Horizontal Polarization

Date of test: 09/10/2002      Operator: R. Heller

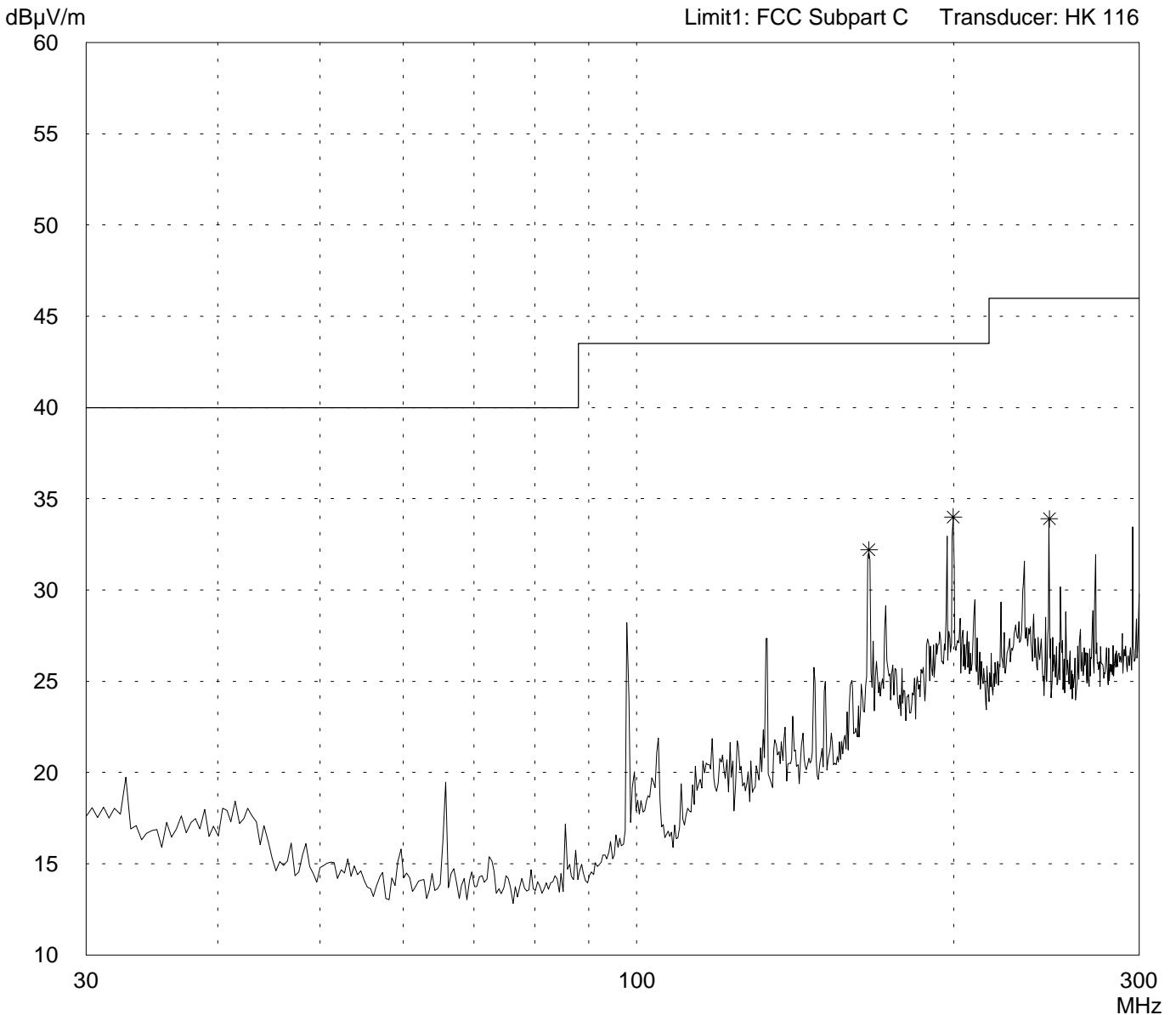
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- TX mode with  $f = 2.462$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

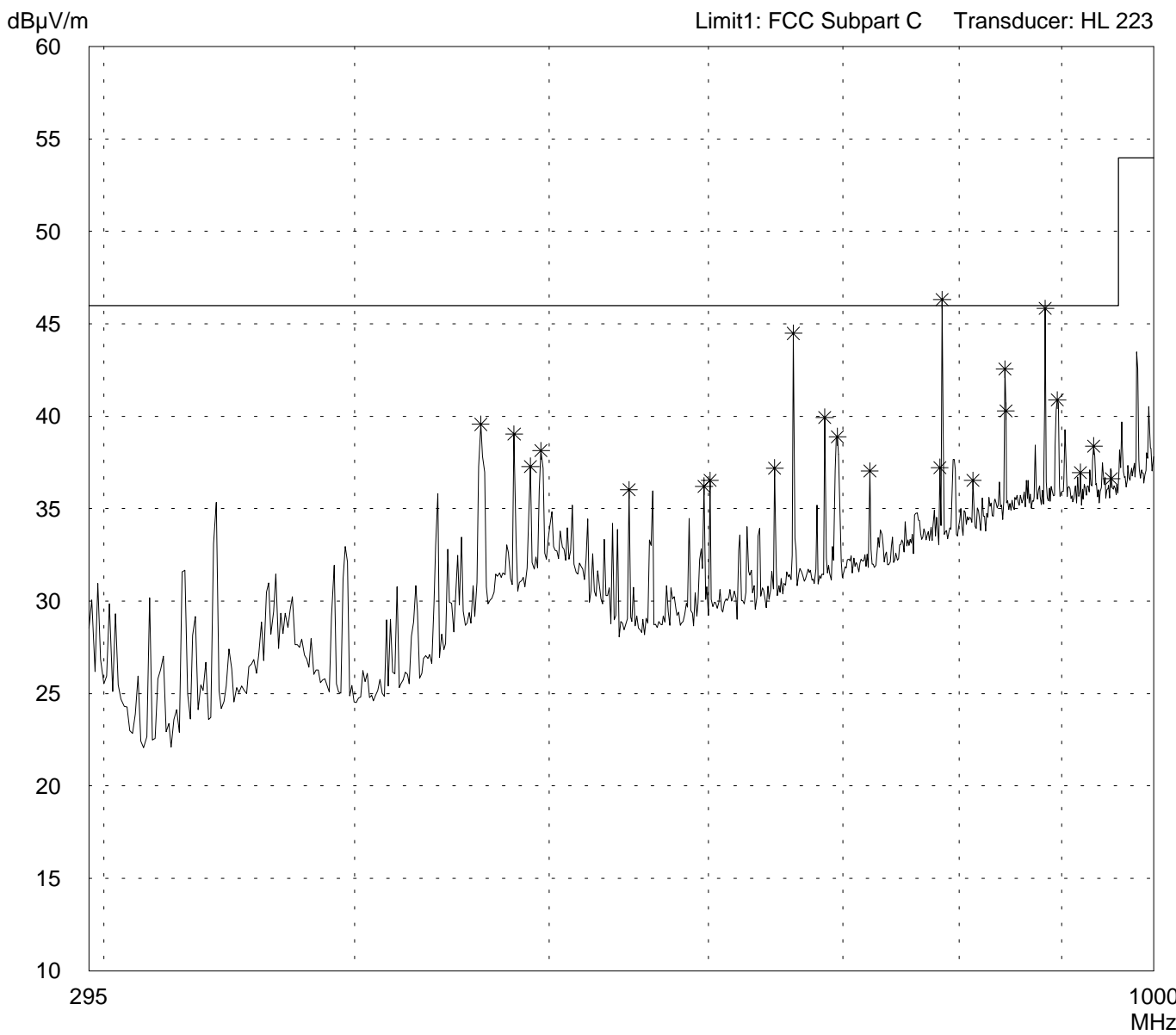
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with f = 2.462 GHz

Detector: Peak
-------------------

List of values:
10 dB Margin
50 Subranges



Result: Prescan
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Project file: 56305-20559-1	Page 109 of 183 Pages
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Vertical Polarization

Date of test: 09/10/2002      Operator: R. Heller

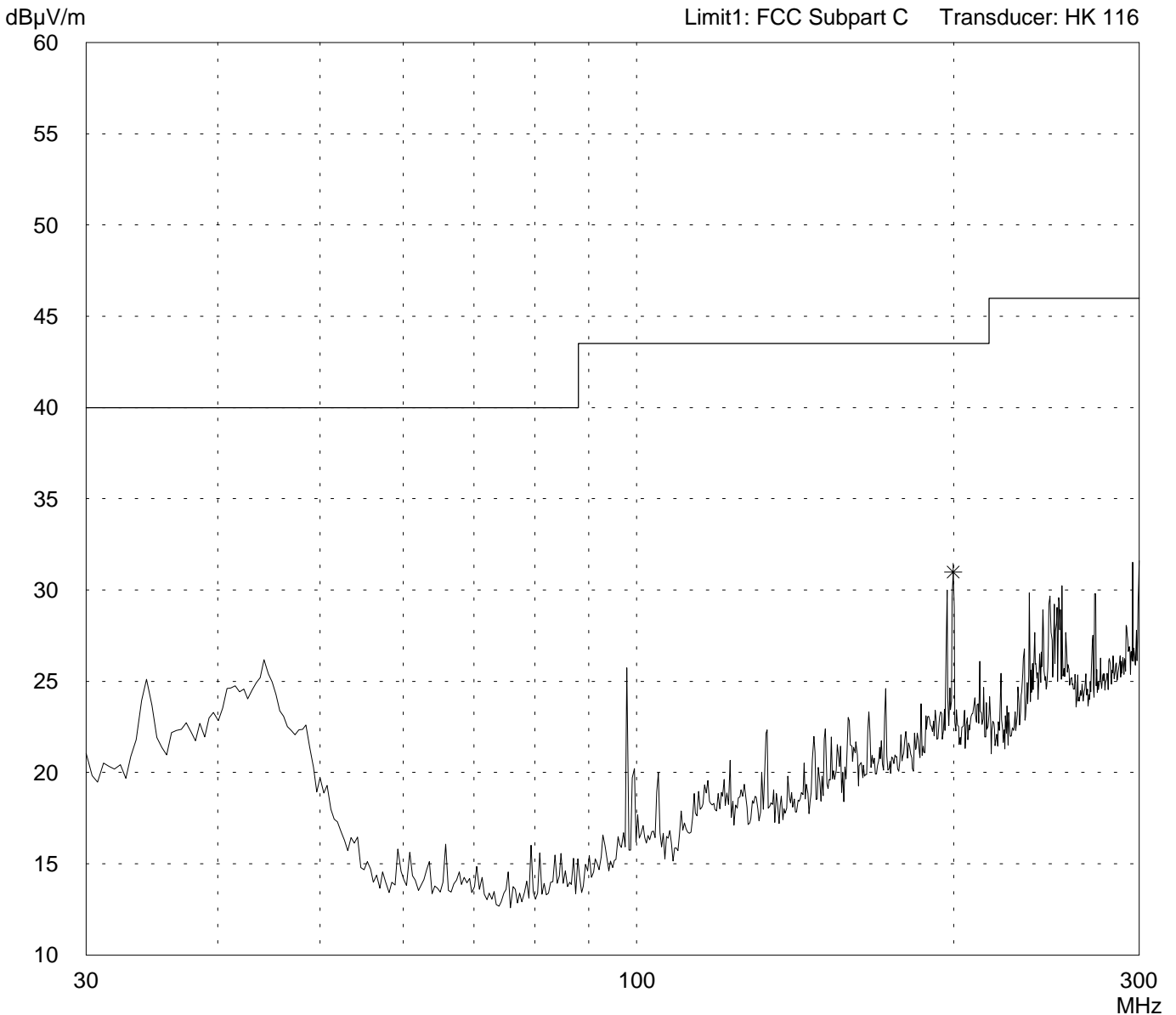
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- TX mode with  $f = 2.462$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

Page 110 of 183 Pages

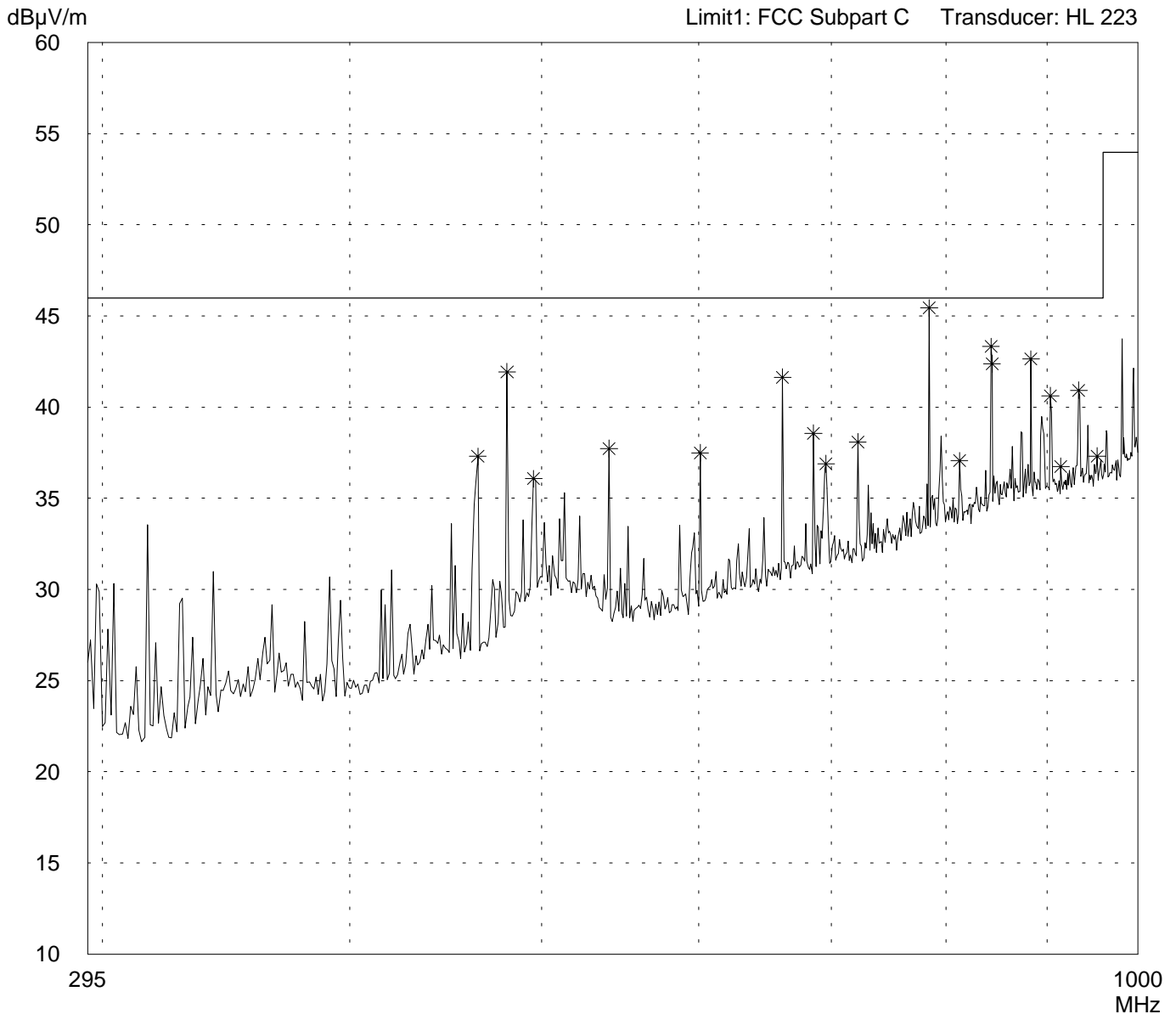
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with f = 2.462 GHz

Detector: Peak
-------------------

List of values:
10 dB Margin
50 Subranges



Result: Prescan
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Project file: 56305-20559-1	Page 111 of 183 Pages
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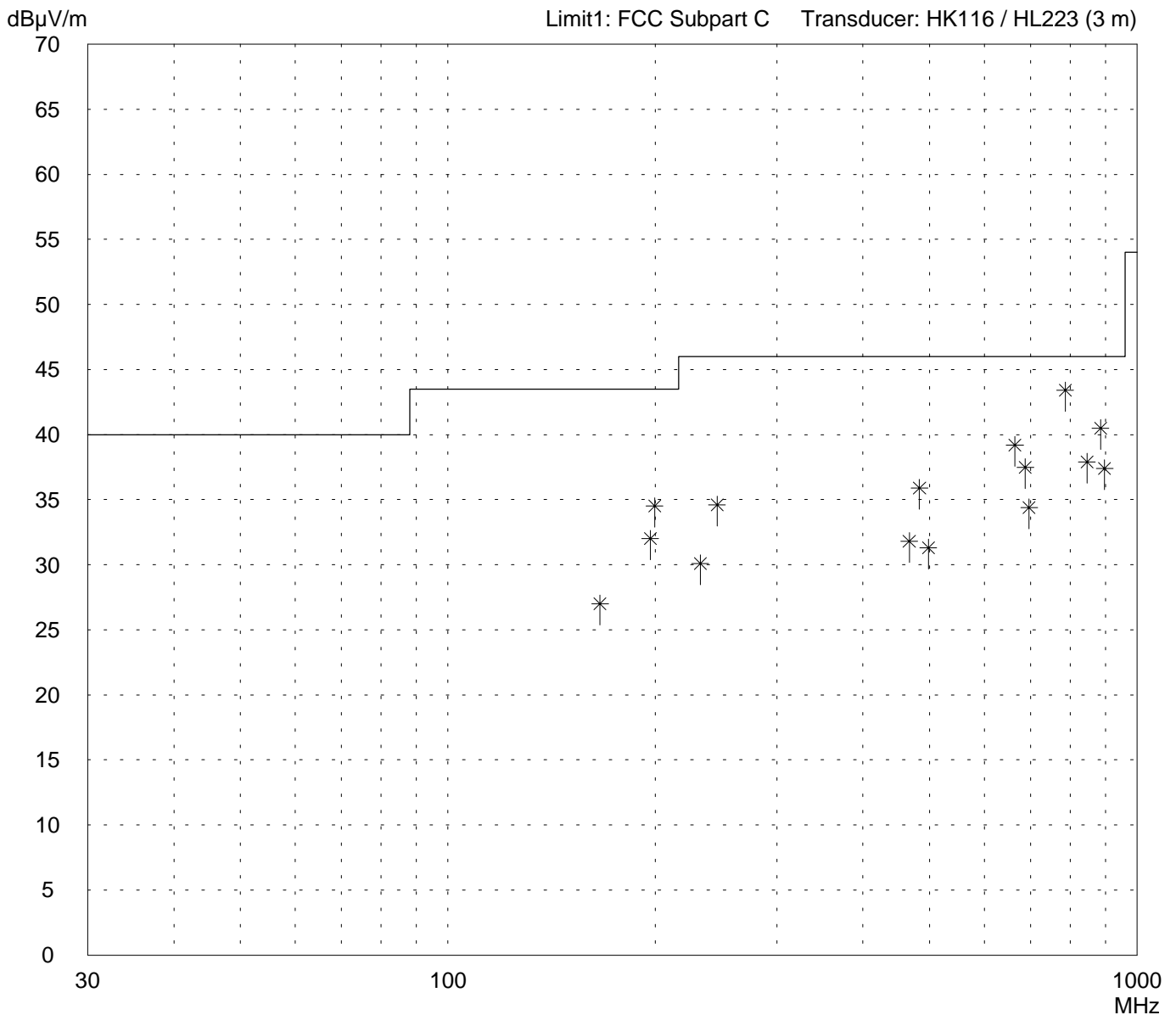
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector: Quasi-Peak
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List of values: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 112 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Horizontal Polarization</p> <p>Date of test:                      Operator: 09/11/2002                      R. Heller</p> <p>Test performed:                      File name: by hand</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800   via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p>
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<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
166.20	9.8	17.2	27.0	43.5	
196.61	12.7	19.3	32.0	43.5	
199.37	15.0	19.5	34.5	43.5	
232.28	10.0	20.1	30.1	46.0	
245.77	14.2	20.4	34.6	46.0	
466.95	7.5	24.3	31.8	46.0	
483.31	11.2	24.7	35.9	46.0	
497.82	6.3	25.0	31.3	46.0	
664.65	9.0	30.2	39.2	46.0	
688.16	6.4	31.1	37.5	46.0	
696.88	3.0	31.4	34.4	46.0	
786.46	10.8	32.6	43.4	46.0	
845.84	4.0	33.9	37.9	46.0	
884.77	6.2	34.3	40.5	46.0	
897.03	3.0	34.4	37.4	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 113 of 183 Pages</p>
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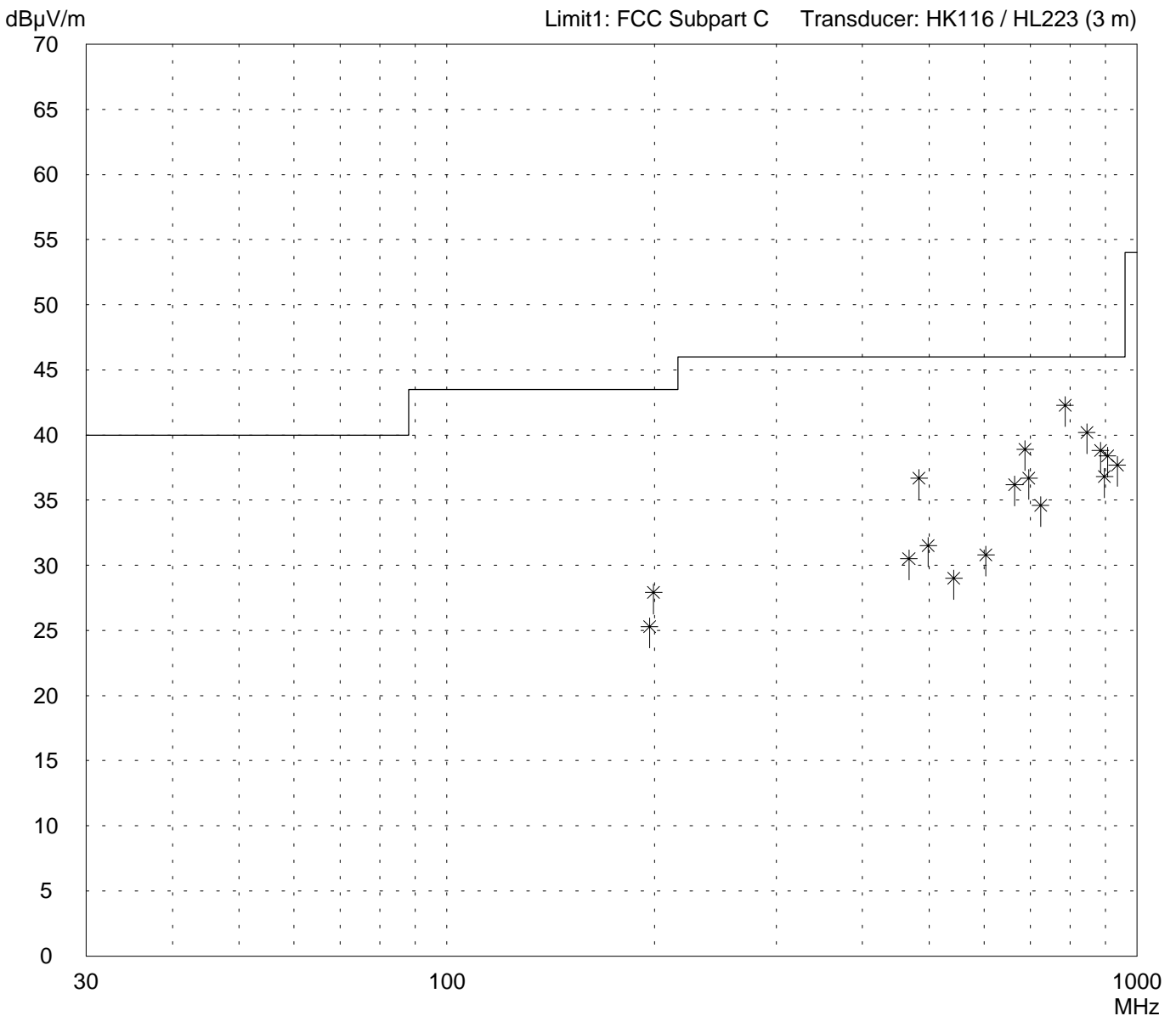
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved - display switched off  - operating with bit rate 11 Mbps  - TX mode with $f = 2.462$ GHz
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Detector: Quasi-Peak
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List of values: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 114 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Vertical Polarization</p> <p>Date of test: 09/11/2002      Operator: R. Heller</p> <p>Test performed: by hand      File name:</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p>
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<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
196.61	6.0	19.3	25.3	43.5	
199.29	8.4	19.5	27.9	43.5	
466.95	6.2	24.3	30.5	46.0	
483.15	12.0	24.7	36.7	46.0	
498.33	6.5	25.0	31.5	46.0	
542.85	2.8	26.2	29.0	46.0	
603.87	2.6	28.2	30.8	46.0	
664.65	6.0	30.2	36.2	46.0	
688.16	7.8	31.1	38.9	46.0	
696.88	5.3	31.4	36.7	46.0	
724.68	2.9	31.7	34.6	46.0	
786.46	9.7	32.6	42.3	46.0	
845.38	6.3	33.9	40.2	46.0	
884.77	4.5	34.3	38.8	46.0	
897.03	2.4	34.4	36.8	46.0	
905.90	4.0	34.4	38.4	46.0	
936.00	3.2	34.5	37.7	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 115 of 183 Pages</p>
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**Radiated Emission 1 GHz - 25 GHz  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.412$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.3900	vertical	31.9	0.6	20.7	53.2	74
2.3992	vertical	45.9	0.6	20.7	67.2	NRB
2.4000	vertical	44.3	0.6	20.7	65.6	NRB
2.4025	vertical	51.1	0.6	20.7	72.4	OB
2.4128	vertical	82.1	0.6	20.7	103.4	OB
2.4225	vertical	52.5	0.6	20.7	73.8	OB
4.8303	horizontal	17.1	0.9	27.3	45.3	74
7.2391	horizontal	5.9	1.1	29.9	36.9	NRB
9.6467	horizontal	10.9	1.3	33.4	45.5	74

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 103.4 dB $\mu$ V/m.

**Result:** The limits are kept



## Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.412$  GHz

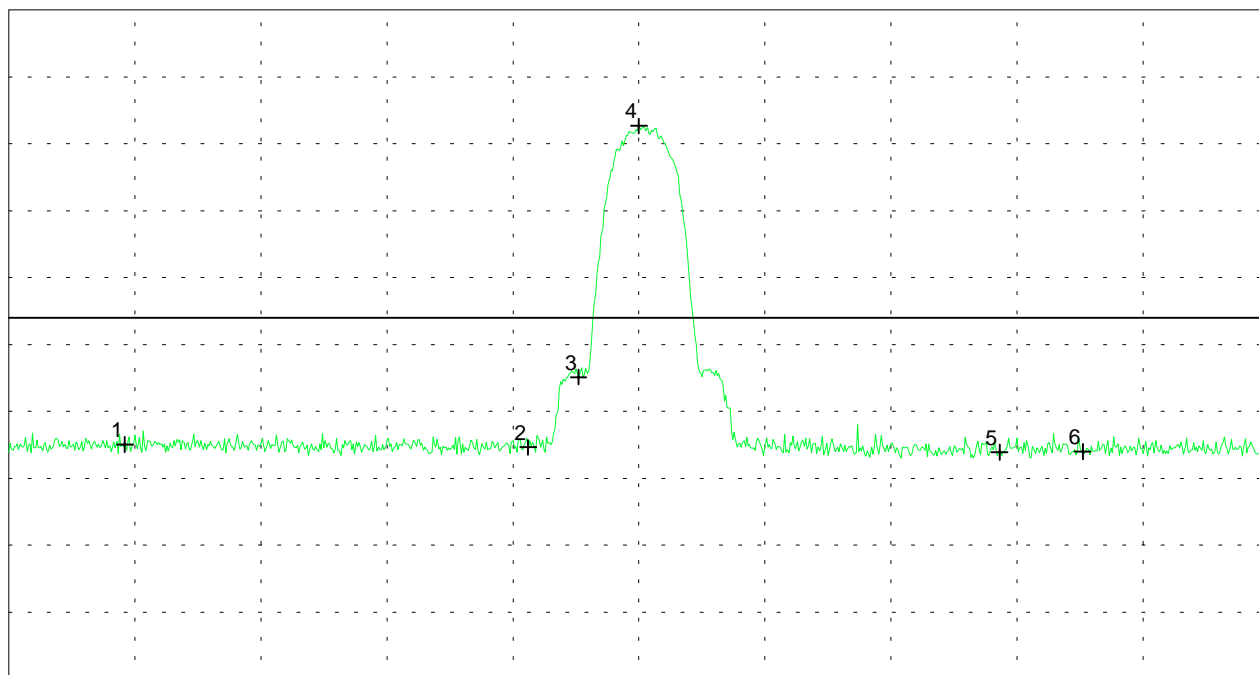
Test distance 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.287 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.310000 GHz	55.03 dB $\mu$ V/m
No. 2	2.390000 GHz	54.65 dB $\mu$ V/m
No. 3	2.400000 GHz	65.11 dB $\mu$ V/m
No. 4	2.412000 GHz	102.67 dB $\mu$ V/m
No. 5	2.483500 GHz	53.89 dB $\mu$ V/m
No. 6	2.500000 GHz	53.99 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 118 of 183 Pages

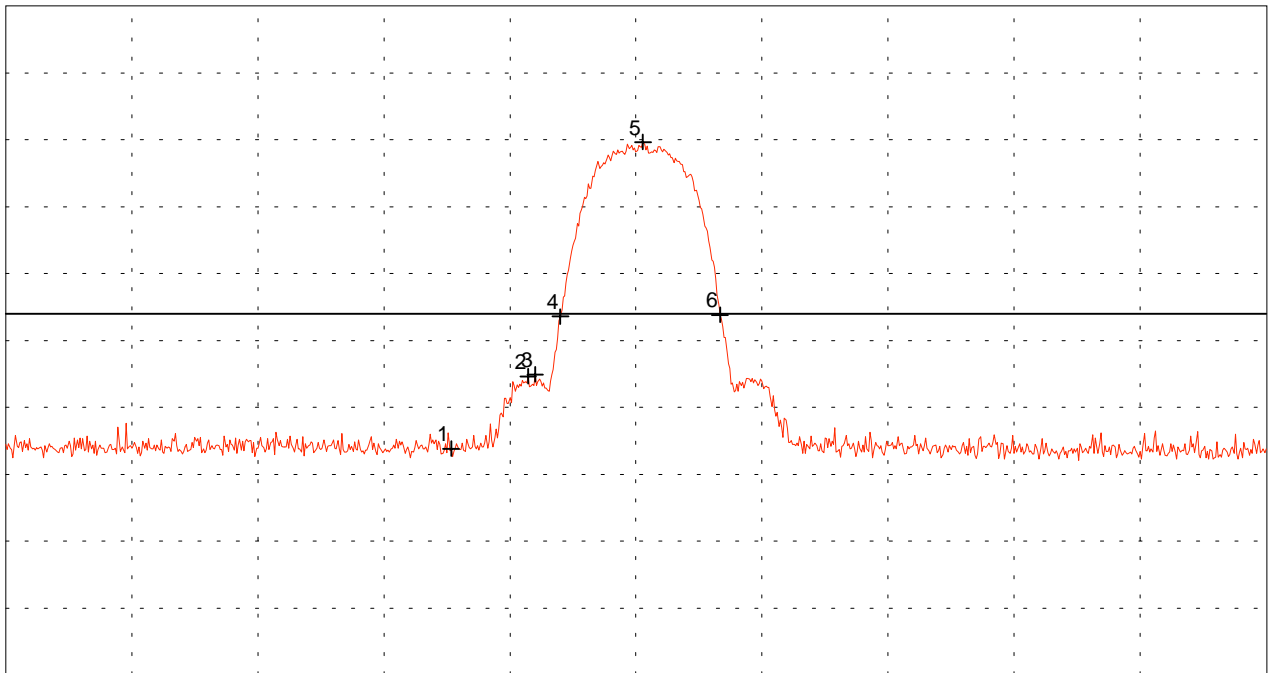
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with f = 2.412 GHz
Serial No.: 02UTENG00002	Test distance 3 meters
Applicant: Agere Systems Nederland B.V.	Channel A (red) = horizontal polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.337 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.487 GHz  
SWP 20 ms

Multi Marker List		
No. 1	2.390000 GHz	53.83 dB $\mu$ V/m
No. 2	2.399167 GHz	64.63 dB $\mu$ V/m
No. 3	2.400000 GHz	64.91 dB $\mu$ V/m
No. 4	2.403000 GHz	73.57 dB $\mu$ V/m
No. 5	2.412833 GHz	99.64 dB $\mu$ V/m
No. 6	2.422000 GHz	73.84 dB $\mu$ V/m

Tested by: Rainer Heller	Project-No.: 56305-20559-1
Date: 09/04/2002	Page 119 of 183 Pages

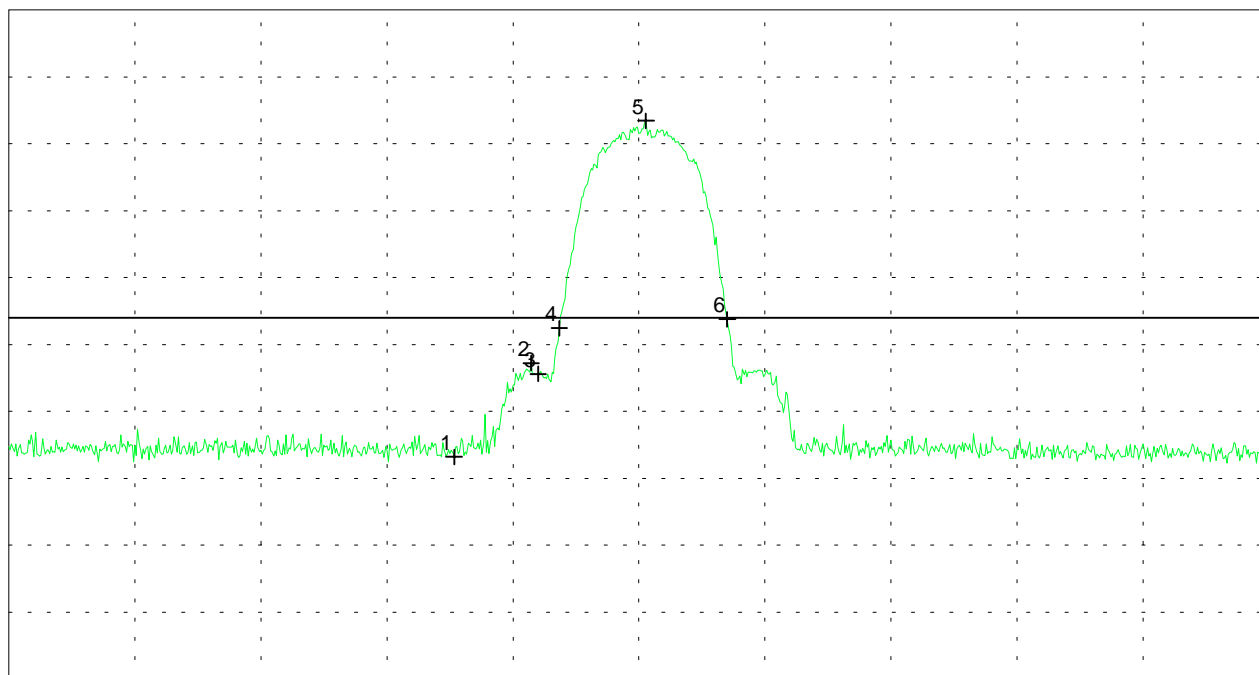
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: <b>PCC-2411-PCE-BAS1</b>	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - TX mode with $f = 2.412$ GHz
Serial No.: <b>02UTENG00002</b>	Test distance 3 meters
Applicant: <b>Agere Systems Nederland B.V.</b>	Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.337 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.487 GHz  
SWP 20 ms

Multi Marker List

No. 1	2.390000 GHz	53.17 dB $\mu$ V/m
No. 2	2.399167 GHz	67.24 dB $\mu$ V/m
No. 3	2.400000 GHz	65.59 dB $\mu$ V/m
No. 4	2.402500 GHz	72.42 dB $\mu$ V/m
No. 5	2.412833 GHz	103.43 dB $\mu$ V/m
No. 6	2.422500 GHz	73.77 dB $\mu$ V/m

Tested by:  
**Rainer Heller**

Date:  
**09/04/2002**

Project-No.:  
**56305-20559-1**

Page 120 of 183 Pages



**Radiated Emission 1 GHz - 25 GHz**  
**according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.412$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
1.0964	vertical	< 12.8	0.5	26.1	< 39.4	54
1.6961	vertical	< 11.2	0.5	27.7	< 39.4	54
2.3900	vertical	20.9	0.6	20.7	42.2	54
2.3967	vertical	32.4	0.6	20.7	53.7	NRB
2.3988	vertical	36.7	0.6	20.7	58.0	NRB
2.4000	vertical	36.0	0.6	20.7	57.3	NRB
2.4120	vertical	75.4	0.6	20.7	96.7	OB
2.4278	vertical	32.0	0.6	20.7	53.4	OB
4.8241	horizontal	14.1	0.9	27.3	42.2	54
9.6480	vertical	5.9	1.3	33.4	40.5	54

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 96.7 dB $\mu$ V/m.

**Result:** The limits are kept

## Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.412$  GHz

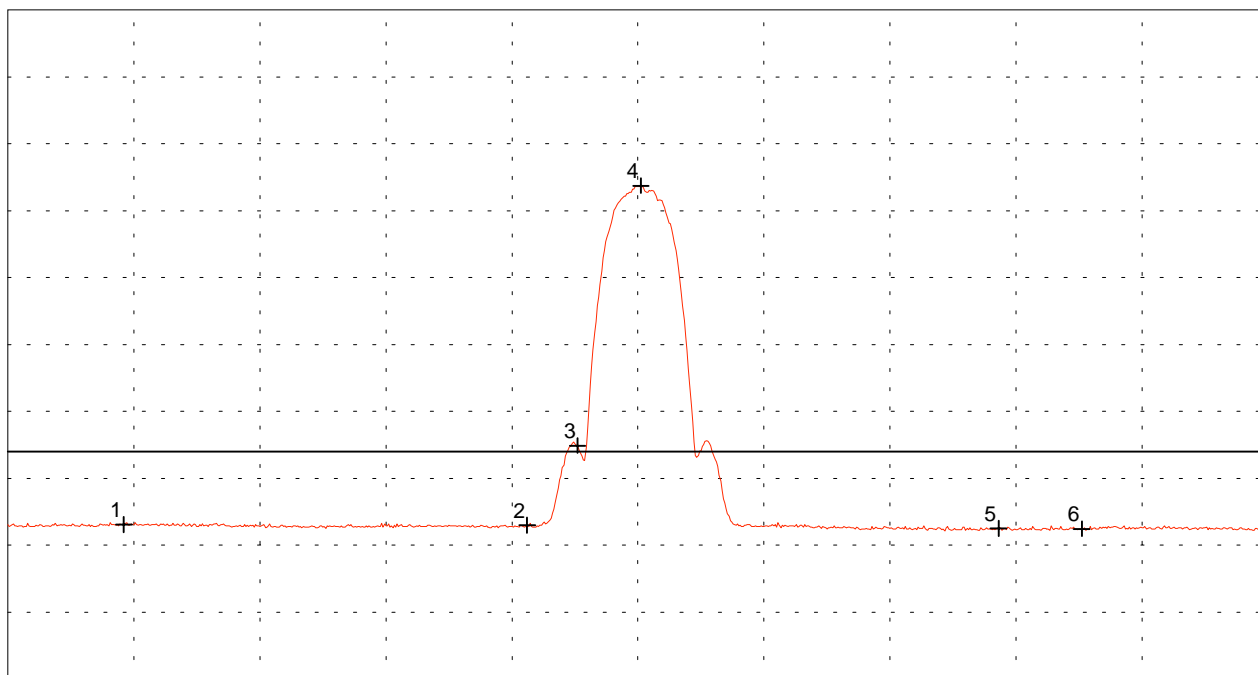
Test distance 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.287 GHz  
RBW 1 MHz

VBW 3 kHz

Stop 2.537 GHz  
SWP 260 ms

### Multi Marker List

No. 1	2.310000 GHz	43.07 dB $\mu$ V/m
No. 2	2.390000 GHz	42.97 dB $\mu$ V/m
No. 3	2.400000 GHz	54.88 dB $\mu$ V/m
No. 4	2.412556 GHz	93.73 dB $\mu$ V/m
No. 5	2.483500 GHz	42.51 dB $\mu$ V/m
No. 6	2.500000 GHz	42.43 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 122 of 183 Pages





# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A
- shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.412$  GHz

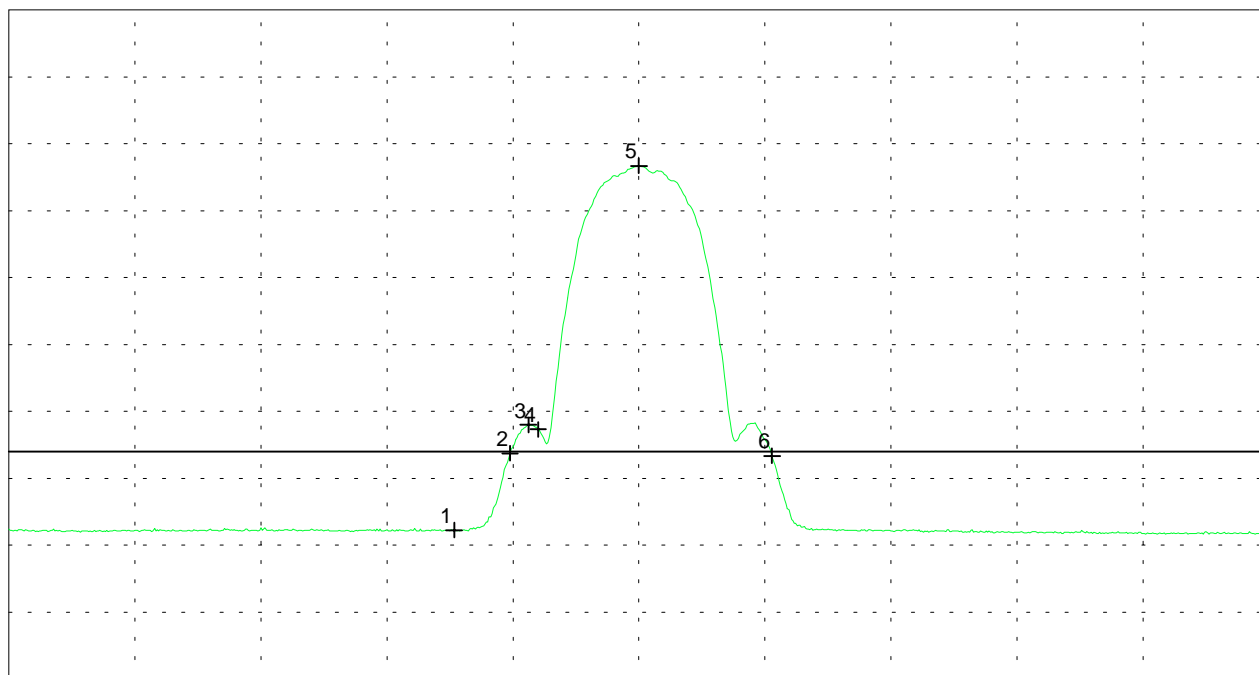
Test distance 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.337 GHz  
RBW 1 MHz

VBW 1 kHz

Stop 2.487 GHz  
SWP 460 ms

### Multi Marker List

No.	Frequency (GHz)	Level (dB $\mu$ V/m)
No. 1	2.390000	42.23
No. 2	2.396667	53.73
No. 3	2.398833	57.97
No. 4	2.400000	57.31
No. 5	2.412000	96.70
No. 6	2.427833	53.35

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 125 of 183 Pages

**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.412$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.3900	vertical	33.2	0.6	20.7	54.5	74
2.3985	vertical	44.1	0.6	20.7	65.4	NRB
2.4000	vertical	43.2	0.6	20.7	64.5	NRB
2.4027	vertical	52.6	0.6	20.7	74.0	OB
2.4105	vertical	79.4	0.6	20.7	100.8	OB
2.4225	vertical	52.1	0.6	20.7	73.4	OB
4.8242	horizontal	19.8	0.9	27.3	47.9	74
9.6481	vertical	11.0	1.3	33.4	45.7	74

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 100.8 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of rac emission with 11 Mbps (peak)

**Result:** The limits are kept

## Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 2 Mbps

- TX mode with  $f = 2.412$  GHz

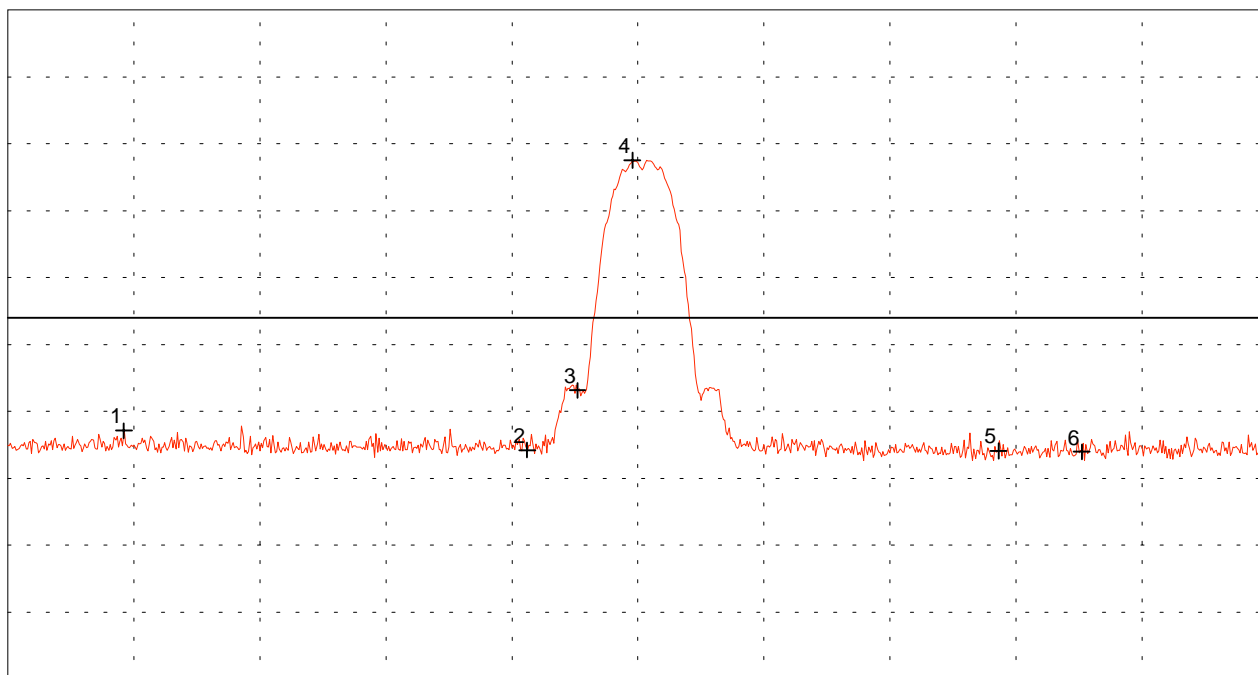
Test distance 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.287 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

Multi Marker List

No. 1	2.310000 GHz	57.14 dB $\mu$ V/m
No. 2	2.390000 GHz	54.22 dB $\mu$ V/m
No. 3	2.400000 GHz	63.13 dB $\mu$ V/m
No. 4	2.410889 GHz	97.54 dB $\mu$ V/m
No. 5	2.483500 GHz	54.09 dB $\mu$ V/m
No. 6	2.500000 GHz	53.96 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 127 of 183 Pages

# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 2 Mbps

- TX mode with  $f = 2.412$  GHz

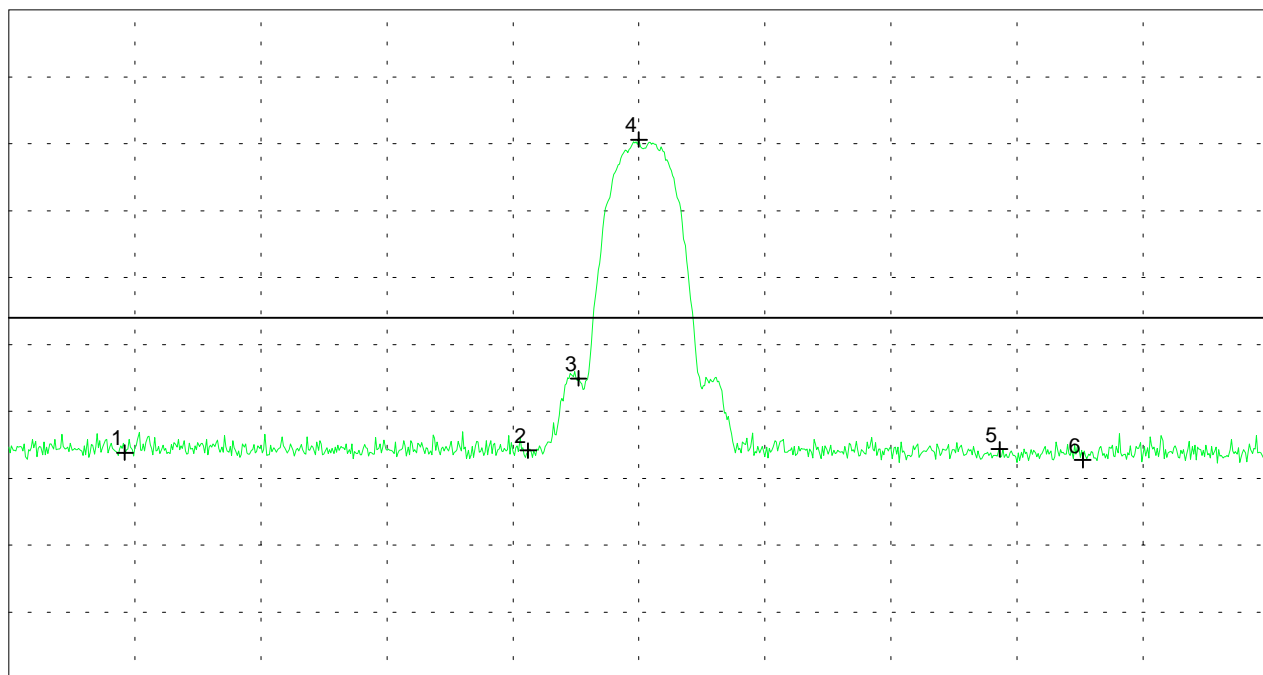
Test distance 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.287 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

## Multi Marker List

No. 1	2.310000 GHz	53.81 dB $\mu$ V/m
No. 2	2.390000 GHz	54.14 dB $\mu$ V/m
No. 3	2.400000 GHz	64.93 dB $\mu$ V/m
No. 4	2.412000 GHz	100.61 dB $\mu$ V/m
No. 5	2.483500 GHz	54.34 dB $\mu$ V/m
No. 6	2.500000 GHz	52.72 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 128 of 183 Pages







**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.412$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.3900	vertical	21.1	0.6	20.7	42.4	54
2.3963	vertical	32.4	0.6	20.7	53.7	NRB
2.3983	vertical	38.9	0.6	20.7	60.2	NRB
2.4000	vertical	36.8	0.6	20.7	58.1	NRB
2.4128	vertical	75.7	0.6	20.7	97.0	OB
2.4282	vertical	31.6	0.6	20.7	52.9	OB
4.8241	horizontal	15.6	0.9	27.3	43.7	54
9.6481	vertical	8.6	1.3	33.4	43.2	54

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.0 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of rad emission with 11 Mbps (peak)

**Result:** The limits are kept









**Radiated Emission 1 GHz - 25 GHz**  
**according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.442$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4325	vertical	52.5	0.6	20.7	73.8	OB
2.4428	vertical	82.3	0.6	20.7	103.6	OB
2.4525	vertical	51.7	0.6	20.7	73.0	OB
4.8894	horizontal	18.4	0.9	27.3	46.6	74
7.3279	horizontal	6.3	1.1	29.9	37.4	74
9.7680	horizontal	9.2	1.3	33.4	43.9	74

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 103.6 dB $\mu$ V/m.

**Result:** The limits are kept







**Radiated Emission 1 GHz - 25 GHz  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.442$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
1.0972	vertical	< 13.9	0.5	26.1	< 40.5	54
1.3974	vertical	< 10.4	0.5	26.6	< 37.5	54
1.4768	vertical	< 10.7	0.5	26.8	< 38.0	54
1.6961	vertical	< 11.0	0.5	27.7	< 39.2	54
2.4263	vertical	32.0	0.6	20.7	53.3	OB
2.4420	vertical	75.7	0.6	20.7	97.1	OB
2.4578	vertical	32.4	0.6	20.7	53.7	OB
4.8841	horizontal	15.1	0.9	27.3	43.2	54

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.1 dB $\mu$ V/m.

**Result:** The limits are kept



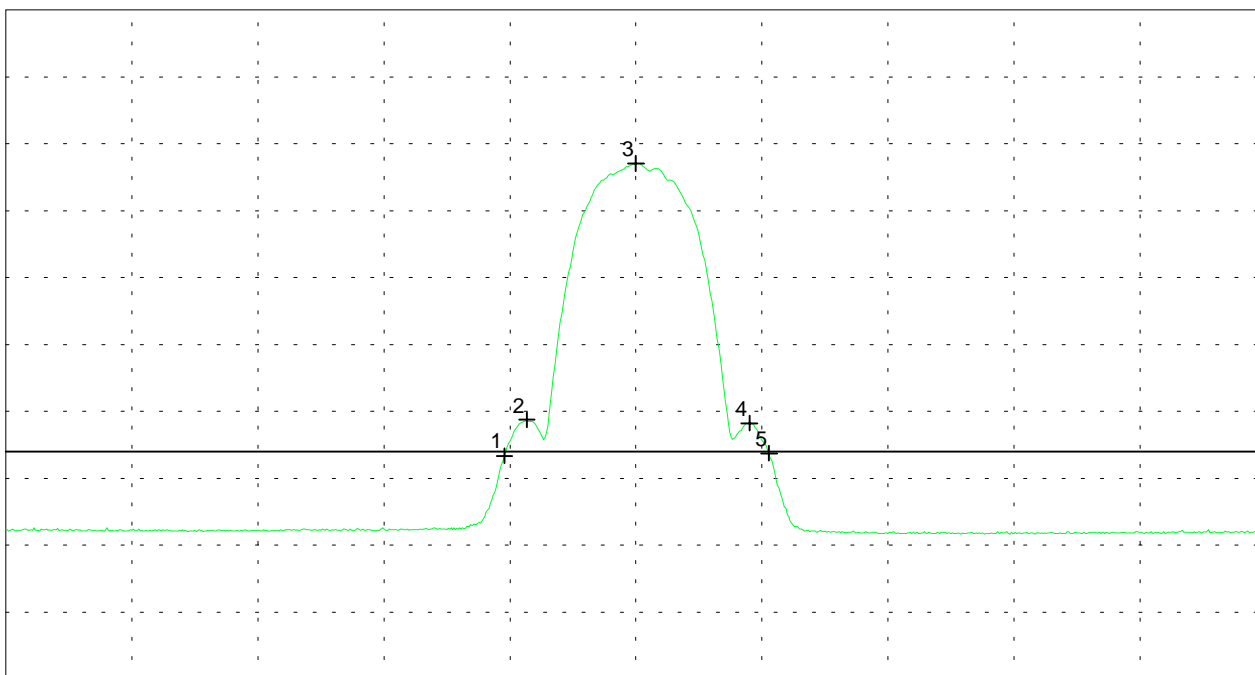
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A - shielding of PC-card extender improved
Serial No.: 02UTENG00002	- operating with bit rate 11 Mbps  - TX mode with $f = 2.442$ GHz
Applicant: Agere Systems Nederland B.V.	Test distance 3 meters  Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.367 GHz  
RBW 1 MHz

VBW 1 kHz

Stop 2.517 GHz  
SWP 460 ms

Multi Marker List		
No. 1	2.426333 GHz	53.33 dB $\mu$ V
No. 2	2.429000 GHz	58.74 dB $\mu$ V
No. 3	2.442000 GHz	97.05 dB $\mu$ V
No. 4	2.455500 GHz	58.23 dB $\mu$ V
No. 5	2.457833 GHz	53.73 dB $\mu$ V

Tested by: Rainer Heller	Project-No.: 56305-20559-1
Date: 09/04/2002	Page 141 of 183 Pages

**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.442$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4327	vertical	52.6	0.6	20.7	74.0	OB
2.4438	vertical	79.6	0.6	20.7	101.0	OB
2.4525	vertical	51.5	0.6	20.7	72.9	OB
4.8841	horizontal	20.9	0.9	27.3	49.0	74

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 101.0 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of rac emission with 11 Mbps (peak)

**Result:** The limits are kept







**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.442$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4262	vertical	32.3	0.6	20.7	53.6	OB
2.4428	vertical	76.0	0.6	20.7	97.3	OB
2.4580	vertical	32.4	0.6	20.7	53.7	OB
4.8841	horizontal	15.1	0.9	27.3	43.3	54

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.3 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of rad emission with 11 Mbps (peak)

**Result:** The limits are kept



# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 2 Mbps

- TX mode with  $f = 2.442$  GHz

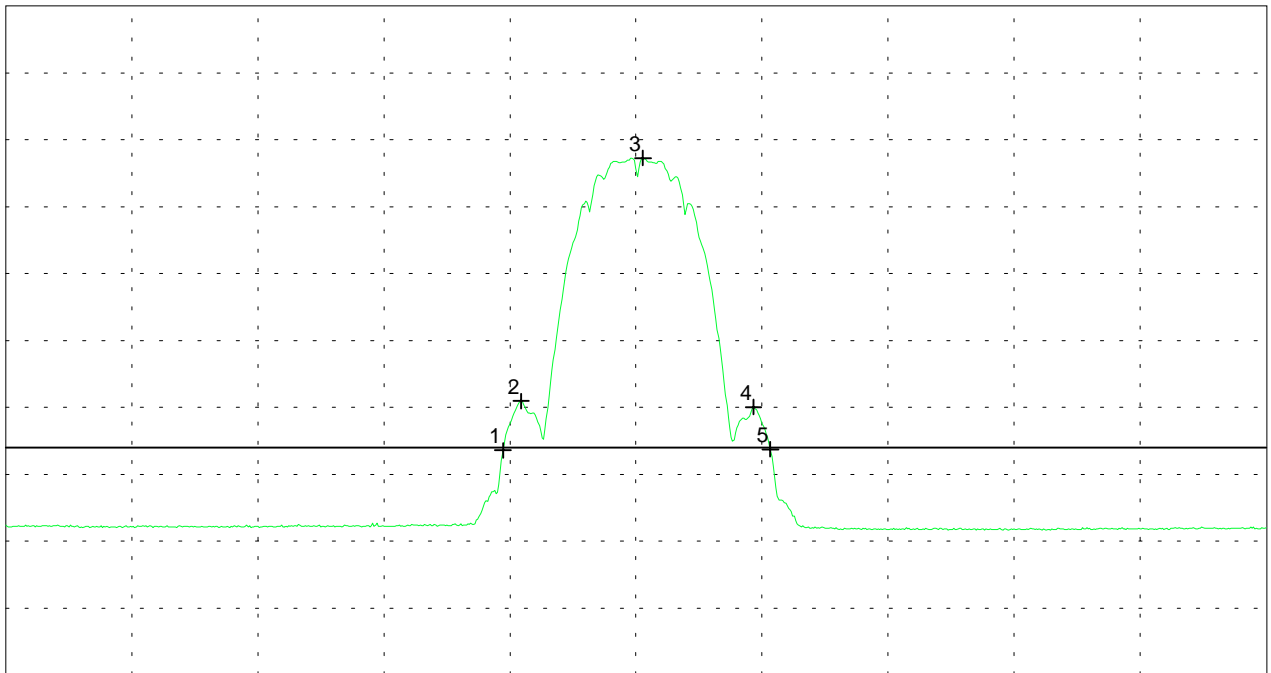
Test distance 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.367 GHz  
RBW 1 MHz

VBW 1 kHz

Stop 2.517 GHz  
SWP 460 ms

## Multi Marker List

No. 1	2.426167 GHz	53.58 dB $\mu$ V/m
No. 2	2.428333 GHz	60.94 dB $\mu$ V/m
No. 3	2.442833 GHz	97.28 dB $\mu$ V/m
No. 4	2.456000 GHz	60.06 dB $\mu$ V/m
No. 5	2.458000 GHz	53.73 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 147 of 183 Pages

**Radiated Emission 1 GHz - 25 GHz**  
**according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.462$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4525	vertical	52.1	0.6	20.7	73.4	OB
2.4628	vertical	82.3	0.6	20.7	103.7	OB
2.4725	vertical	51.8	0.6	20.7	73.1	OB
2.4835	vertical	32.2	0.6	20.7	53.5	74
2.4885	vertical	34.6	0.6	20.7	55.9	74
2.5000	vertical	32.4	0.6	20.7	53.8	74
4.9296	horizontal	16.3	0.9	27.3	44.4	74
7.3879	horizontal	9.9	1.1	30.0	40.9	74
9.8473	horizontal	9.6	1.3	33.4	44.3	74

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 103.7 dB $\mu$ V/m.

**Result:** The limits are kept





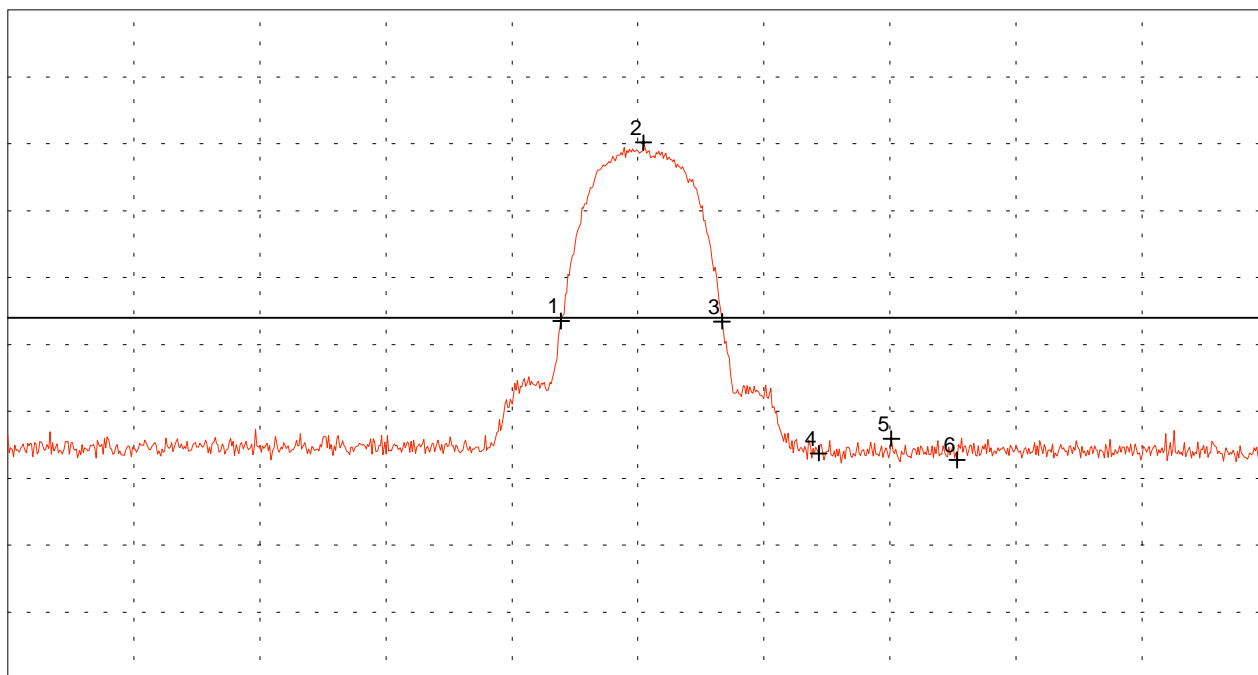
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <hr/> <p>Serial No.: 02UTENG00002</p> <hr/> <p>Applicant: Agere Systems Nederland B.V.</p> <hr/> <hr/> <hr/> <hr/>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A</li> <li>- shielding of PC-card extender improved</li>   <li>- operating with bit rate 11 Mbps</li> <li>- TX mode with <math>f = 2.462</math> GHz</li> </ul> <p>Test distance 3 meters</p> <p>Channel A (red) = horizontal polarization</p>
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Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.387 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

### Multi Marker List

No.	Frequency (GHz)	Power (dB $\mu$ V/m)
No. 1	2.452833 GHz	73.51 dB $\mu$ V/m
No. 2	2.462667 GHz	100.20 dB $\mu$ V/m
No. 3	2.472000 GHz	73.44 dB $\mu$ V/m
No. 4	2.483500 GHz	53.73 dB $\mu$ V/m
No. 5	2.492167 GHz	55.94 dB $\mu$ V/m
No. 6	2.500000 GHz	52.74 dB $\mu$ V/m

<p>Tested by: Rainer Heller</p> <hr/> <p>Date: 09/04/2002</p>	<p>Project-No.: 56305-20559-1</p> <hr/> <p style="text-align: right;">Page 151 of 183 Pages</p>
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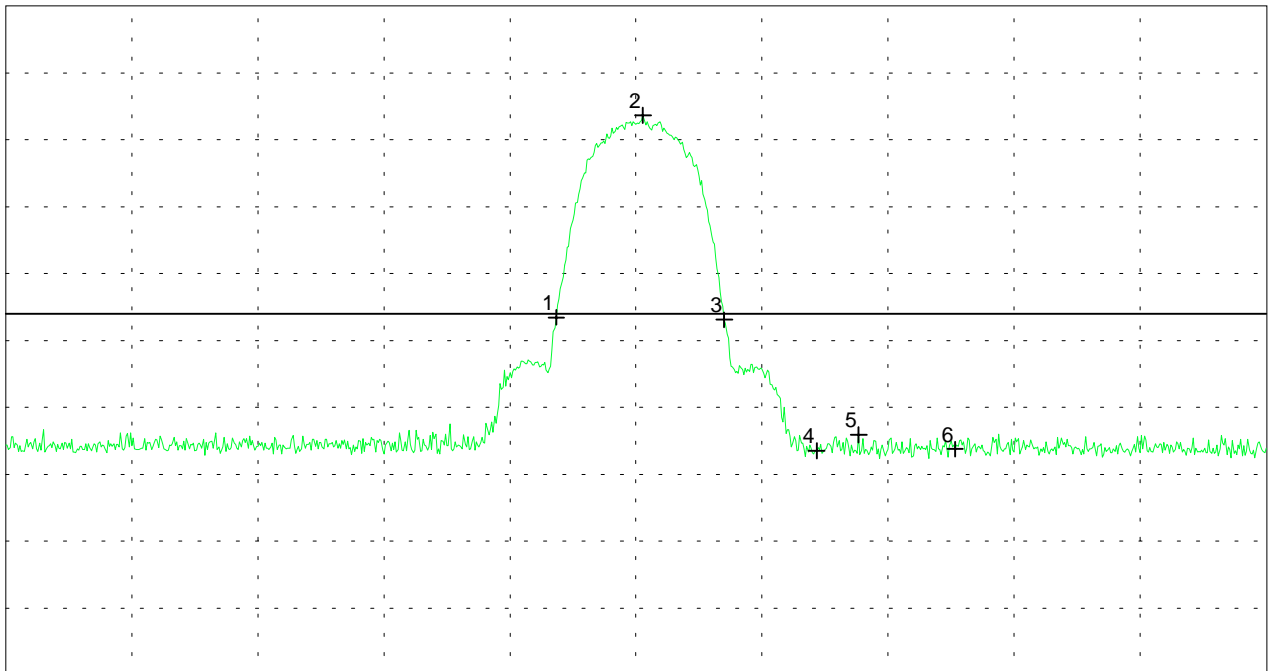
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial No.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- TX mode with <math>f = 2.462</math> GHz</p> <p>Test distance 3 meters</p> <p>Channel B (green) = vertical polarization</p>
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Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.387 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

Multi Marker List		
No. 1	2.452500 GHz	73.44 dB $\mu$ V/m
No. 2	2.462833 GHz	103.66 dB $\mu$ V/m
No. 3	2.472500 GHz	73.11 dB $\mu$ V/m
No. 4	2.483500 GHz	53.50 dB $\mu$ V/m
No. 5	2.488500 GHz	55.89 dB $\mu$ V/m
No. 6	2.500000 GHz	53.76 dB $\mu$ V/m

<p>Tested by: Rainer Heller</p>	<p>Project-No.: 56305-20559-1</p>
<p>Date: 09/04/2002</p>	<p>Page 152 of 183 Pages</p>



**Radiated Emission 1 GHz - 25 GHz  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- TX mode with  $f = 2.462$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
1.0972	vertical	< 12.2	0.5	26.1	< 38.7	54
1.3967	vertical	< 10.4	0.5	26.6	< 37.5	54
1.6961	horizontal	< 11.5	0.5	27.7	< 39.7	54
2.4465	vertical	32.4	0.6	20.7	53.7	OB
2.4623	vertical	75.9	0.6	20.7	97.2	OB
2.4777	vertical	32.5	0.6	20.7	53.8	OB
2.4835	vertical	20.5	0.6	20.7	41.8	54
2.4850	vertical	20.7	0.6	20.7	42.0	54
2.5000	vertical	20.4	0.6	20.7	41.8	54
4.9241	horizontal	14.1	0.9	27.3	42.2	54

**Note:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).  
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.2 dB $\mu$ V/m.

**Result:** The limits are kept

## Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCExtend 50A  
- shielding of PC-card extender improved

- operating with bit rate 11 Mbps

- TX mode with  $f = 2.462$  GHz

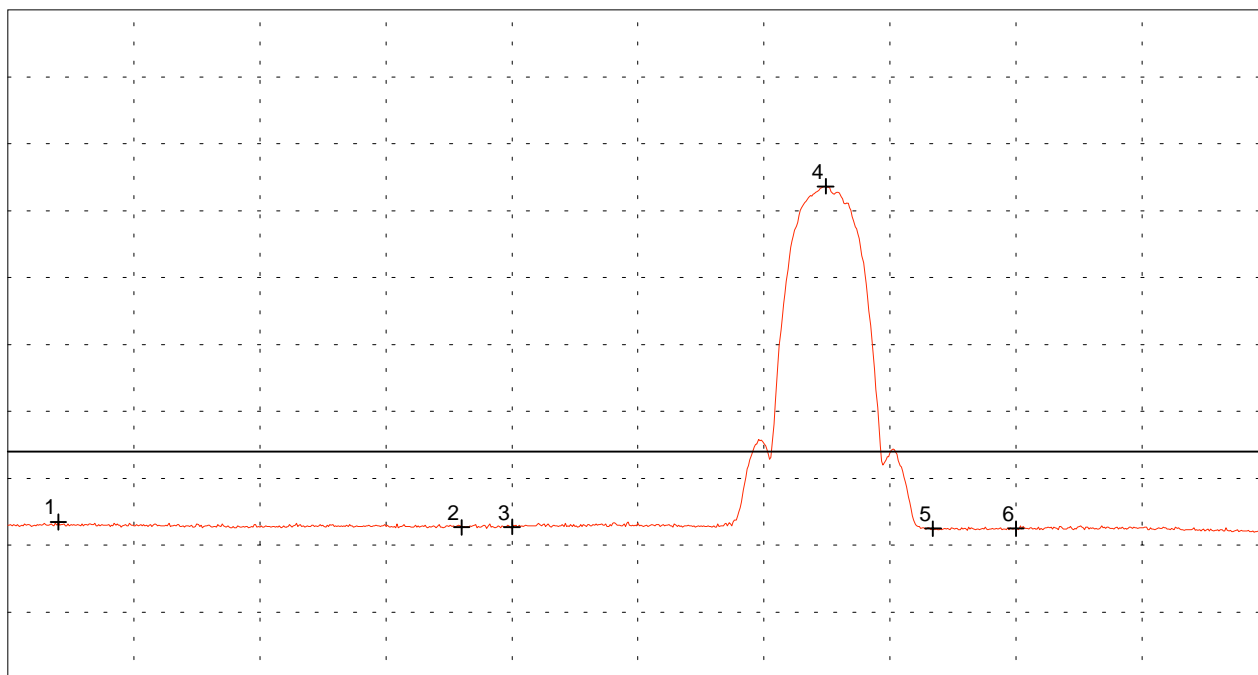
Test distance 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.300 GHz  
RBW 1 MHz

VBW 3 kHz

Stop 2.550 GHz  
SWP 260 ms

### Multi Marker List

No. 1	2.310000 GHz	43.47 dB $\mu$ V/m
No. 2	2.390000 GHz	42.66 dB $\mu$ V/m
No. 3	2.400000 GHz	42.71 dB $\mu$ V/m
No. 4	2.462222 GHz	93.65 dB $\mu$ V/m
No. 5	2.483500 GHz	42.48 dB $\mu$ V/m
No. 6	2.500000 GHz	42.48 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 154 of 183 Pages







**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.462$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4525	vertical	51.7	0.6	20.7	73.0	OB
2.4607	vertical	79.8	0.6	20.7	101.1	OB
2.4725	vertical	52.2	0.6	20.7	73.5	OB
2.4835	vertical	32.4	0.6	20.7	53.7	74
2.4898	vertical	35.4	0.6	20.7	56.8	74
2.5000	vertical	32.2	0.6	20.7	53.5	74
4.9242	horizontal	20.2	0.9	27.3	48.3	74
7.3874	horizontal	10.1	1.1	30.0	41.1	74

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).

NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 101.1 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of rad emission with 11 Mbps (peak)

**Result:** The limits are kept

# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCextend 50A
- shielding of PC-card extender improved

- operating with bit rate 2 Mbps

- TX mode with  $f = 2.462$  GHz

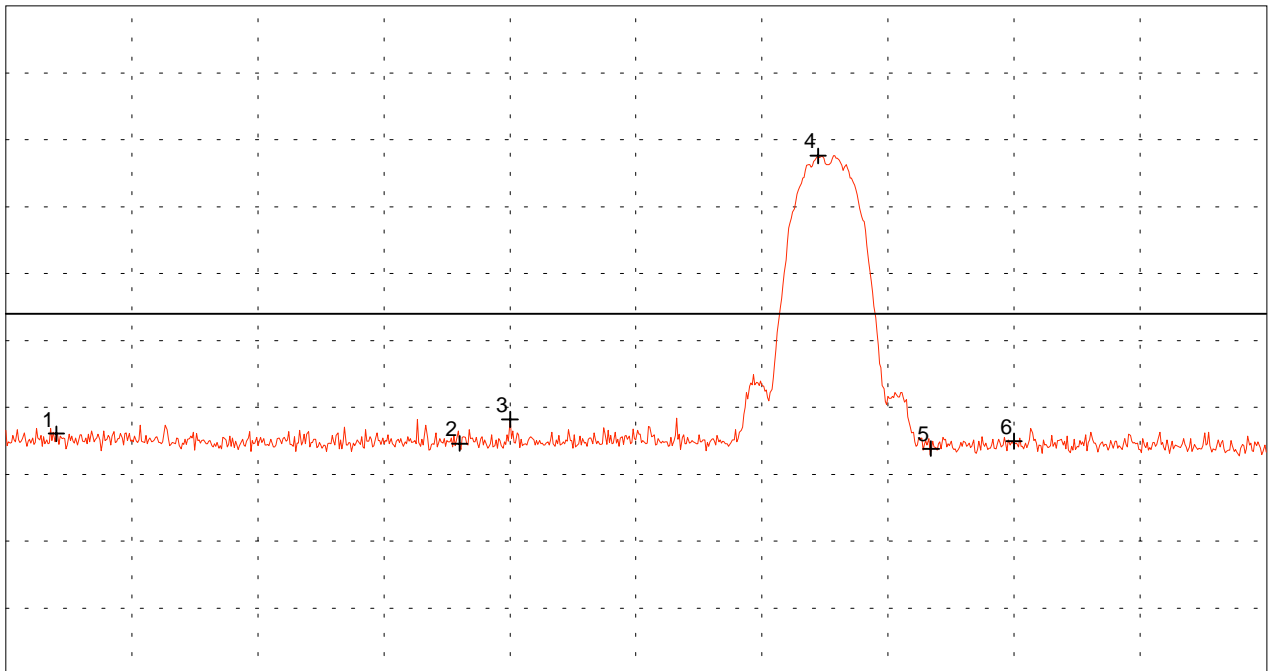
Test distance 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.300 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.550 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.310000 GHz	56.07 dB $\mu$ V/m
No. 2	2.390000 GHz	54.60 dB $\mu$ V/m
No. 3	2.400000 GHz	58.18 dB $\mu$ V/m
No. 4	2.461111 GHz	97.61 dB $\mu$ V/m
No. 5	2.483500 GHz	53.83 dB $\mu$ V/m
No. 6	2.500000 GHz	54.95 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 159 of 183 Pages

# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial No.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Overview scan checking restricted bands  
around operation band (acc. to §15.205)

Mode:  
- FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCextend 50A  
- shielding of PC-card extender improved

- operating with bit rate 2 Mbps

- TX mode with  $f = 2.462$  GHz

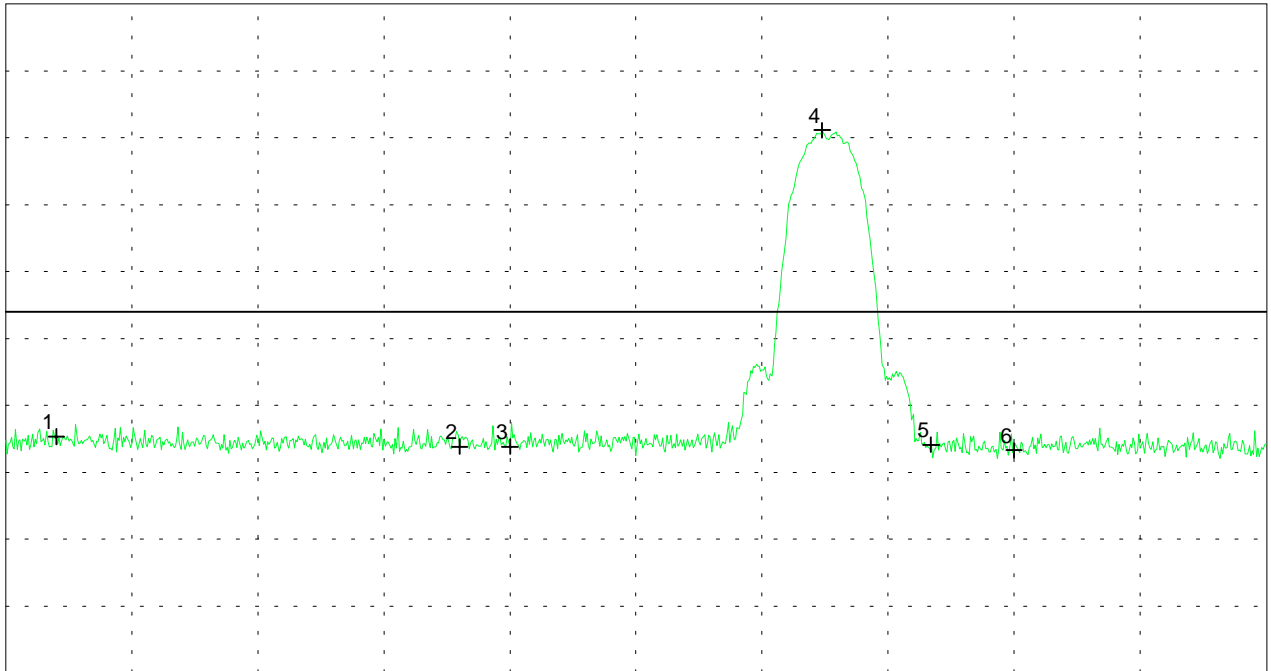
Test distance 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.300 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.550 GHz  
SWP 20 ms

### Multi Marker List

No. 1	2.310000 GHz	55.31 dB $\mu$ V/m
No. 2	2.390000 GHz	53.81 dB $\mu$ V/m
No. 3	2.400000 GHz	53.83 dB $\mu$ V/m
No. 4	2.461944 GHz	101.14 dB $\mu$ V/m
No. 5	2.483500 GHz	54.11 dB $\mu$ V/m
No. 6	2.500000 GHz	53.28 dB $\mu$ V/m

Tested by:  
Rainer Heller

Date:  
09/04/2002

Project-No.:  
56305-20559-1

Page 160 of 183 Pages





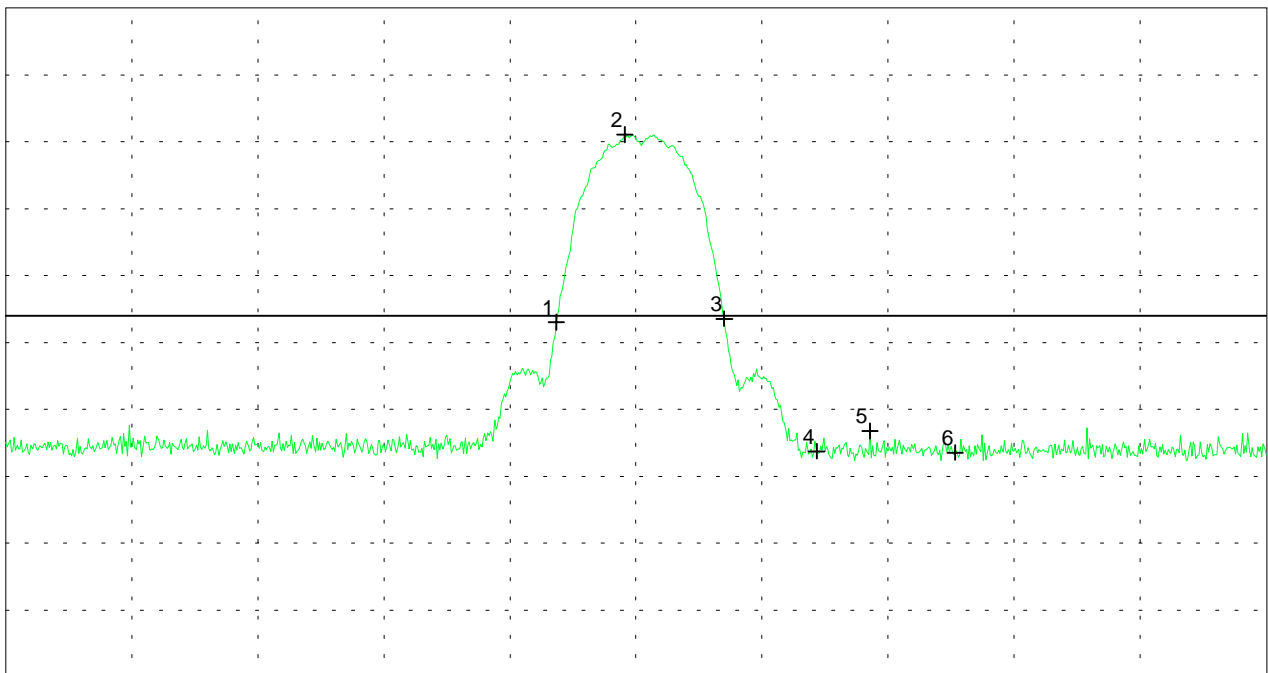
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCextend 50A - shielding of PC-card extender improved  - operating with bit rate 2 Mbps  - TX mode with $f = 2.462$ GHz
Serial No.: 02UTENG00002	Test distance 3 meters  Channel B (green) = vertical polarization
Applicant: Agere Systems Nederland B.V.	

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.387 GHz  
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz  
SWP 20 ms

Multi Marker List		
No. 1	2.452500 GHz	73.03 dB $\mu$ V/m
No. 2	2.460667 GHz	101.07 dB $\mu$ V/m
No. 3	2.472500 GHz	73.54 dB $\mu$ V/m
No. 4	2.483500 GHz	53.71 dB $\mu$ V/m
No. 5	2.489833 GHz	56.75 dB $\mu$ V/m
No. 6	2.500000 GHz	53.53 dB $\mu$ V/m

Tested by: Rainer Heller	Project-No.: 56305-20559-1
Date: 09/04/2002	Page 162 of 183 Pages

**Radiated Emission 1 GHz - 25 GHz (Additional Test Results)  
according to FCC Part 15 Subpart C (§15.247.c, §15.209, §15.205.a,b)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 2 Mbps  
  
- TX mode with  $f = 2.462$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
2.4462	vertical	32.3	0.6	20.7	53.6	OB
2.4628	vertical	76.1	0.6	20.7	97.4	OB
2.4780	vertical	32.4	0.6	20.7	53.8	OB
2.4835	vertical	20.8	0.6	20.7	42.1	54
2.4983	vertical	20.8	0.6	20.7	42.1	54
2.5000	vertical	20.5	0.6	20.7	41.9	54
4.9241	horizontal	14.4	0.9	27.3	42.5	54

**Note 1:** OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).

NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.4 dB $\mu$ V/m.

**Note 2:** Extent of testing harmonics with 2 Mbps selected according to results of radiated emission with 11 Mbps (peak)

**Result:** The limits are kept



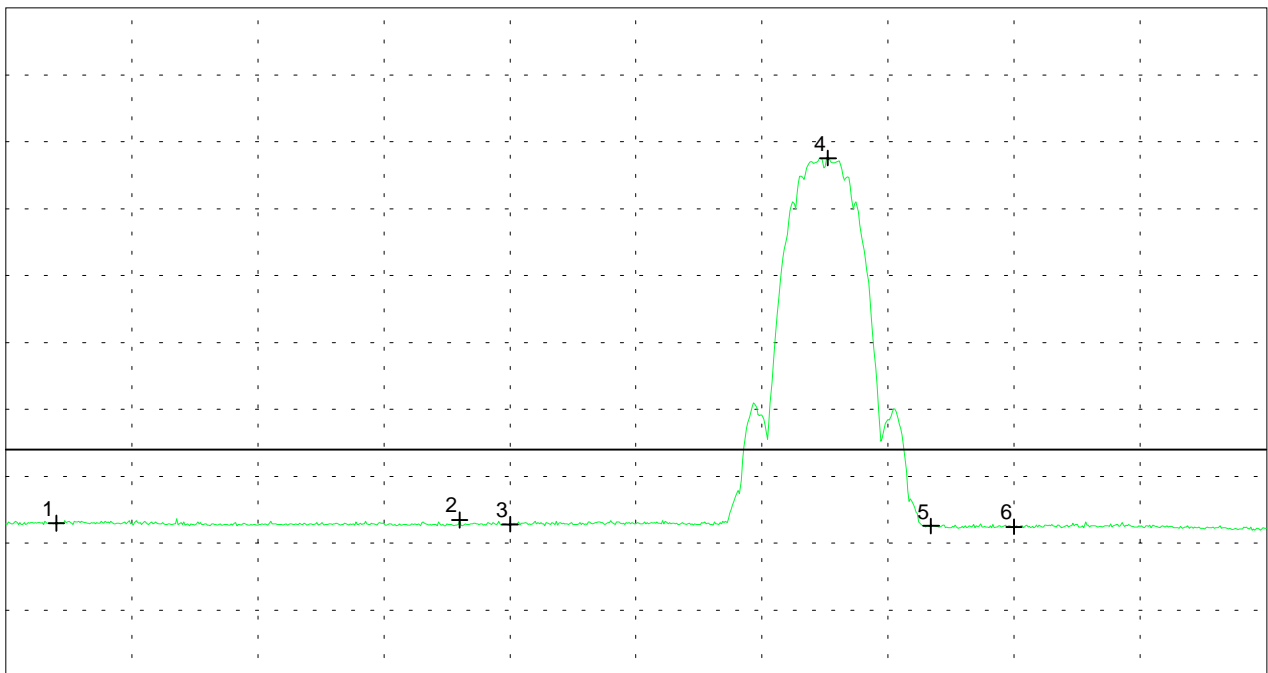
# Radiated Emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCExtend 50A - shielding of PC-card extender improved
Serial No.: 02UTENG00002	- operating with bit rate 2 Mbps  - TX mode with f = 2.462 GHz
Applicant: Agere Systems Nederland B.V.	Test distance 3 meters  Channel B (green) = vertical polarization
Overview scan checking restricted bands around operation band (acc. to §15.205)	

Ref.Level 120 dB $\mu$ V/m  
10 dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.300 GHz  
RBW 1 MHz

VBW 3 kHz

Stop 2.550 GHz  
SWP 260 ms

### Multi Marker List

No. 1	2.310000 GHz	42.97 dB $\mu$ V/m
No. 2	2.390000 GHz	43.45 dB $\mu$ V/m
No. 3	2.400000 GHz	42.81 dB $\mu$ V/m
No. 4	2.463056 GHz	97.56 dB $\mu$ V/m
No. 5	2.483500 GHz	42.56 dB $\mu$ V/m
No. 6	2.500000 GHz	42.46 dB $\mu$ V/m

Tested by: Rainer Heller	Project-No.: 56305-20559-1
Date: 09/04/2002	Page 165 of 183 Pages





**Test results for  
Receive (RX) mode**



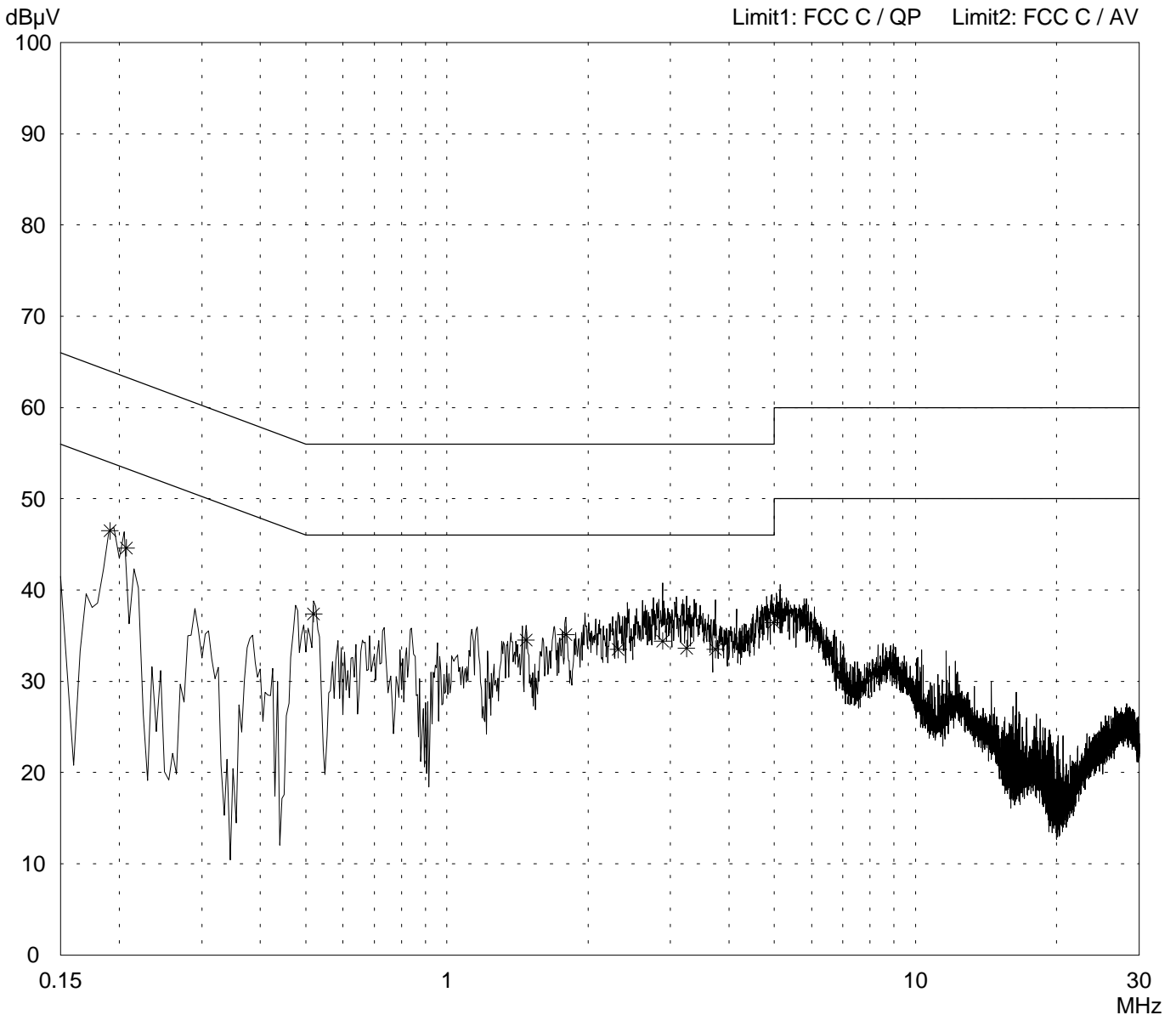
# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase L1	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved  - operating with bit rate 11 Mbps  - RX mode with $f = 2.442$ GHz  Final results with AV detector: 0.191 MHz: 36.9 dB $\mu$ V 0.207 MHz: 35.9 dB $\mu$ V
---

Detector: Peak / Final Results: QP
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Final results: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 169 of 183 Pages
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## Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Shielded room, cabin no. 2</p> <p>Tested on: Linecord EUT (notebook) Phase L1</p> <p>Date of test: 09/10/2002      Operator: R. Heller</p> <p>Test performed: automatically      File name:</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- RX mode with <math>f = 2.442</math> GHz</p> <p>Final results with AV detector: 0.191 MHz: 36.9 dB<math>\mu</math>V 0.207 MHz: 35.9 dB<math>\mu</math>V</p>
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<p>Detector: Peak / Final Results: QP</p>	<p>Final results: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V</i>	<i>Limit dB<math>\mu</math>V</i>	<i>Limit exceeded</i>
0.191	46.5		46.5	64.0	
0.207	44.6		44.6	63.3	
0.520	37.4		37.4	56.0	
1.475	34.5		34.5	56.0	
1.795	35.1		35.1	56.0	
2.320	33.5		33.5	56.0	
2.885	34.4		34.4	56.0	
3.245	33.6		33.6	56.0	
3.740	33.5		33.5	56.0	
4.980	36.4		36.4	56.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 170 of 183 Pages</p>
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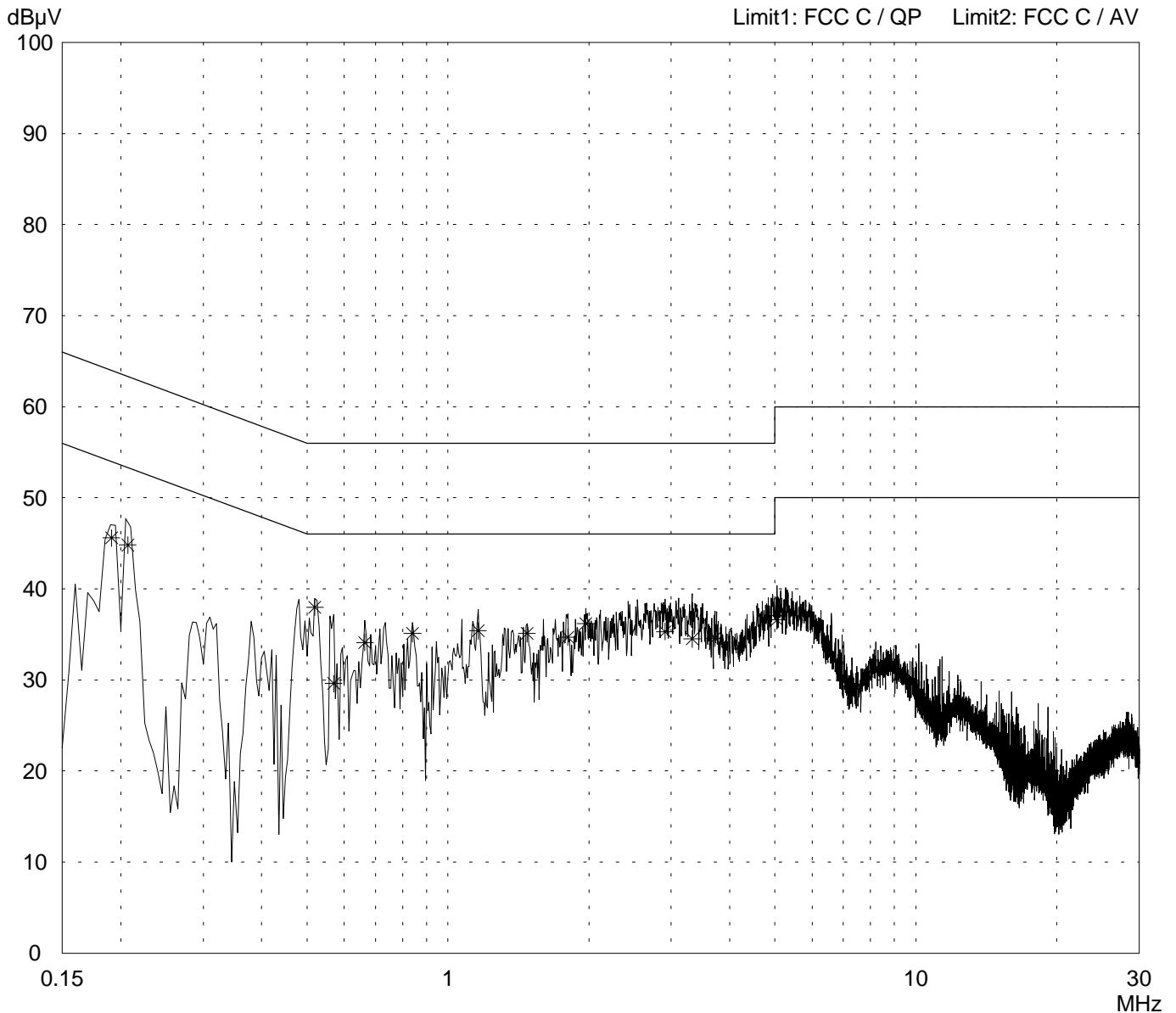
# Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord EUT (notebook) Phase N	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- operating with bit rate 11 Mbps
- RX mode with $f = 2.442$ GHz
Final results with AV detector:
0.191 MHz: 35.7 dB $\mu$ V
0.207 MHz: 35.8 dB $\mu$ V

Detector: Peak / Final Results: QP
---------------------------------------

Final results:	25 Subranges
20 dB Margin	



Result: Limit kept
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Project file: 56305-20559-1	Page 171 of 183 Pages
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Vertical Polarization

Date of test: 09/10/2002      Operator: R. Heller

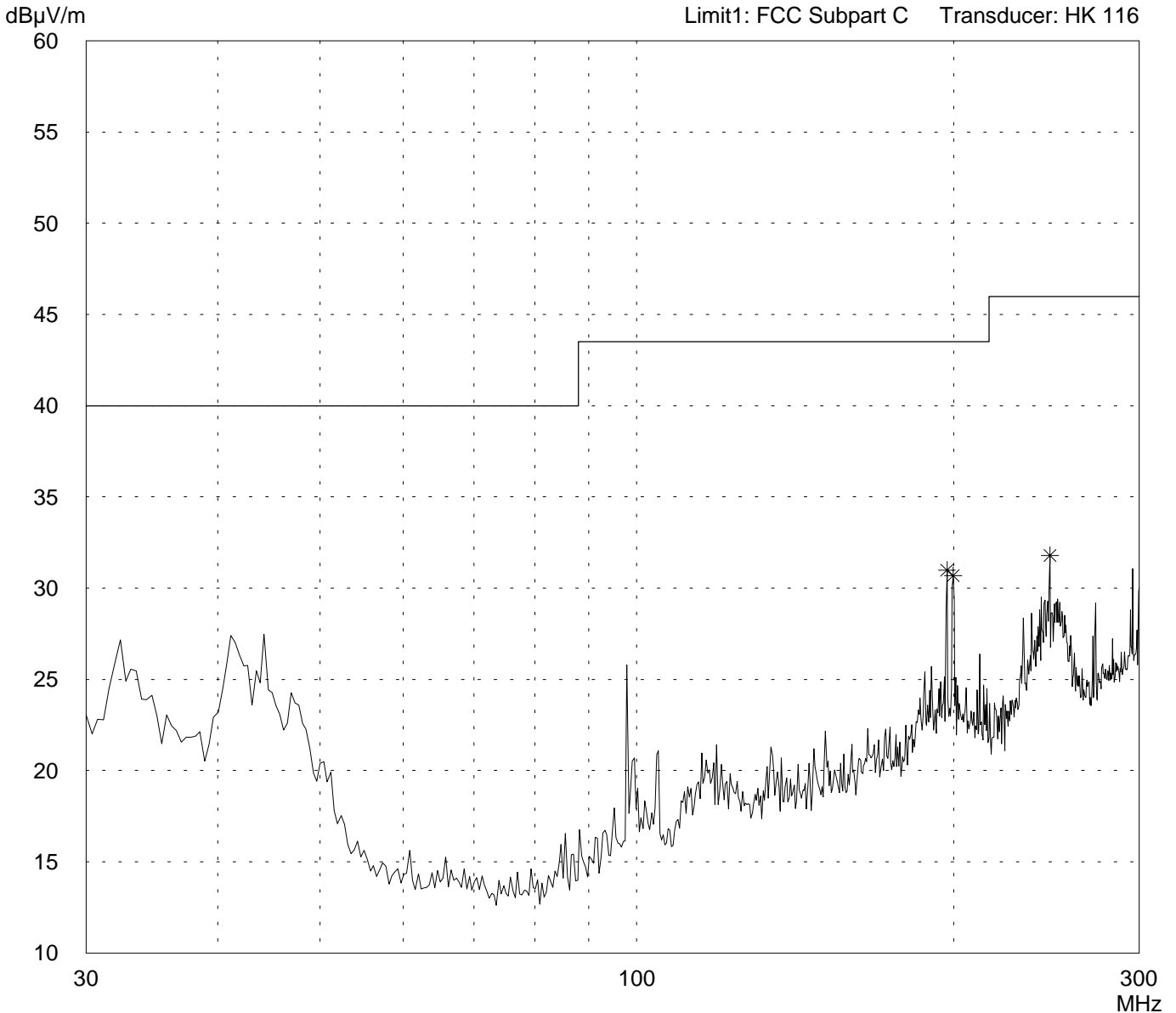
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- RX mode with  $f = 2.442$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

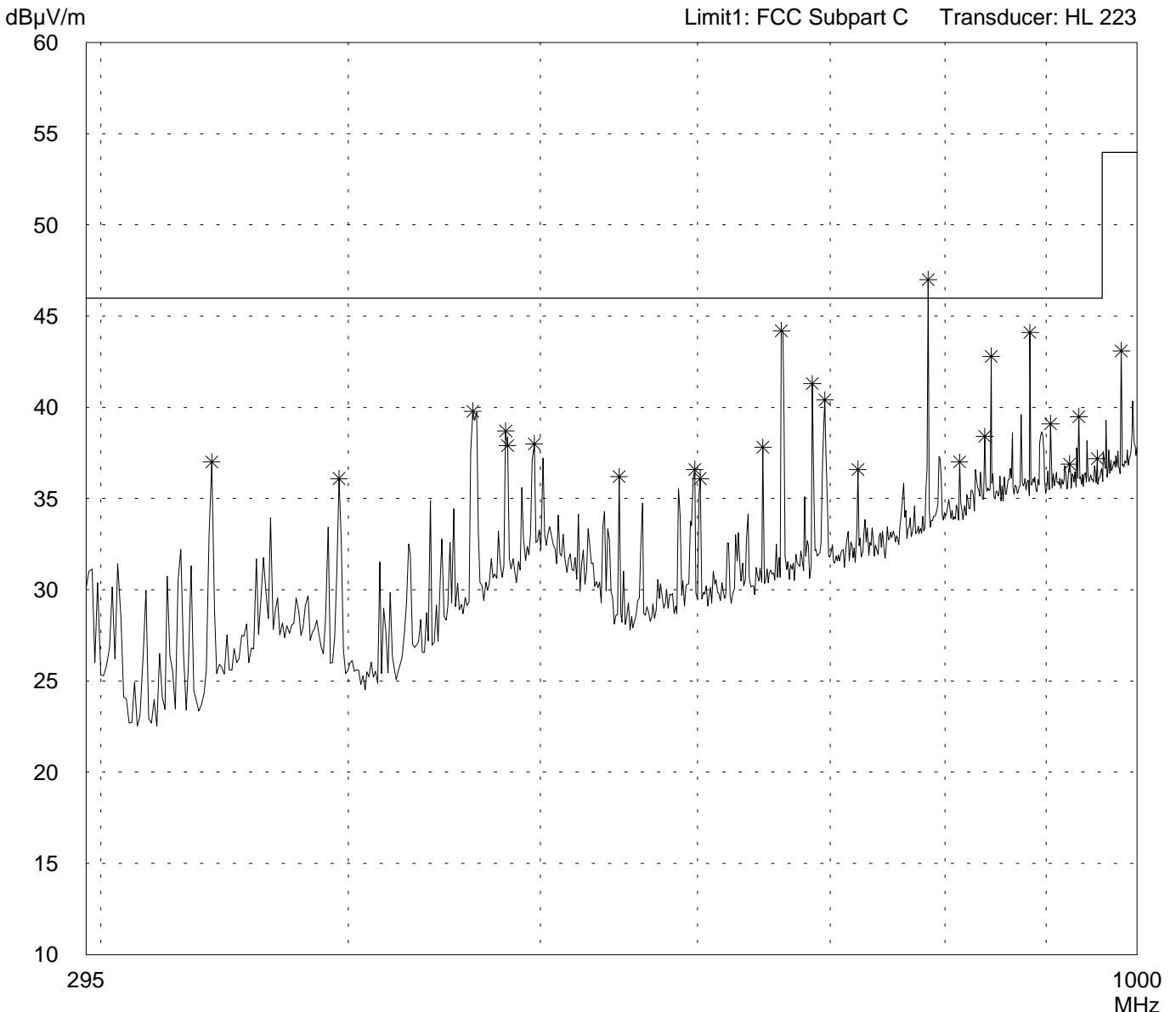
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode:
- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
- operating with bit rate 11 Mbps
- RX mode with $f = 2.442$ GHz

Detector: Peak
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List of values: Selected by hand
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Result: Prescan
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Project file: 56305-20559-1	Page 174 of 183 Pages
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# Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:  
PCC-2411-PCE-BAS1

Serial no.:  
02UTENG00002

Applicant:  
Agere Systems Nederland B.V.

Test site:  
Semi anechoic room, cabin no. 3

Tested on:  
Test distance 3 meters  
Horizontal Polarization

Date of test: 09/10/2002      Operator: R. Heller

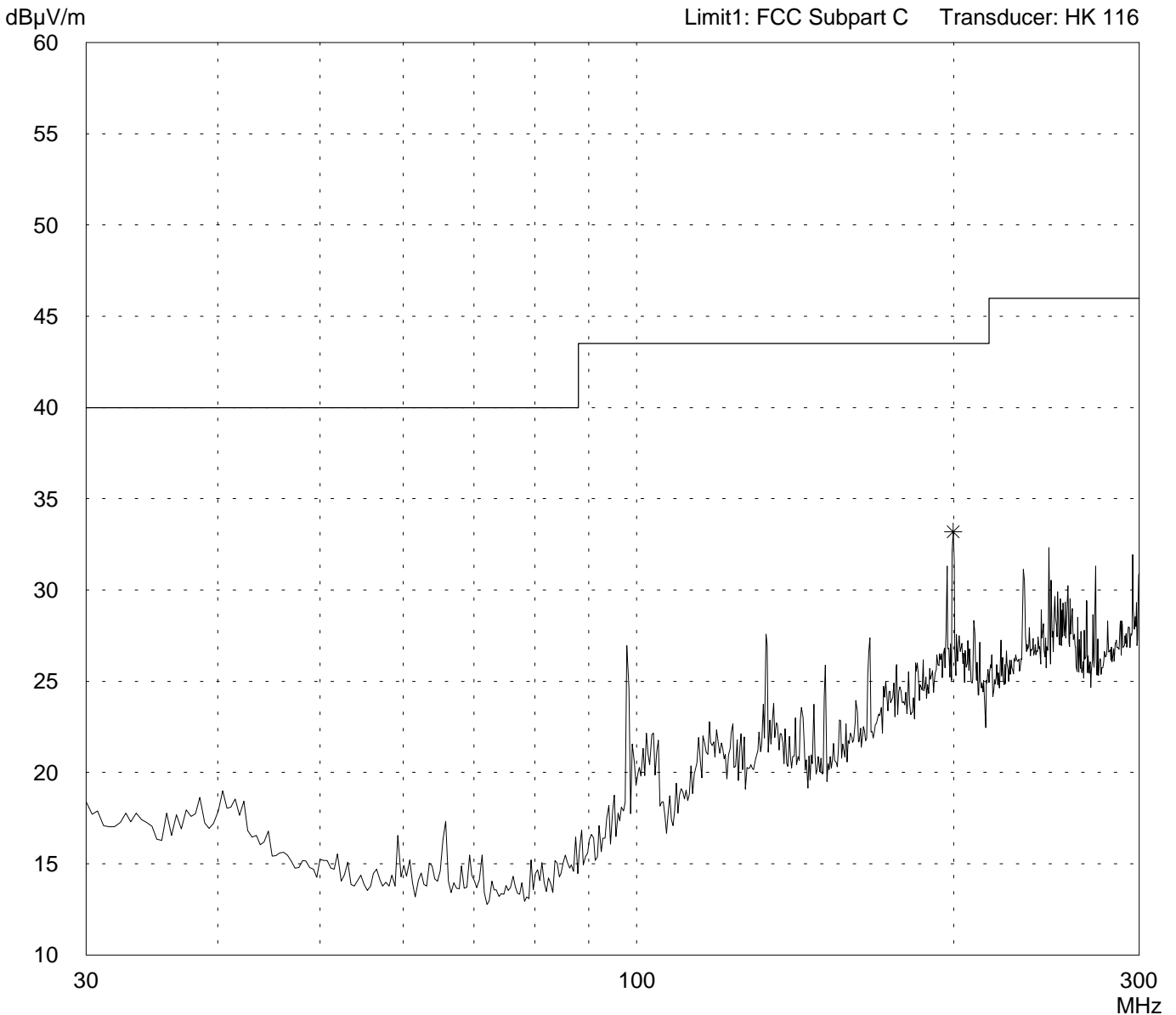
Test performed: automatically      File name:

Mode:

- FCC test setup
- supply voltage 115 V AC
- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A
- shielding of PC-card extender improved
- display switched off
  
- operating with bit rate 11 Mbps
  
- RX mode with  $f = 2.442$  GHz

Detector:  
Peak

List of values:  
Selected by hand



Result:  
Prescan

Project file:  
56305-20559-1

Page 175 of 183 Pages

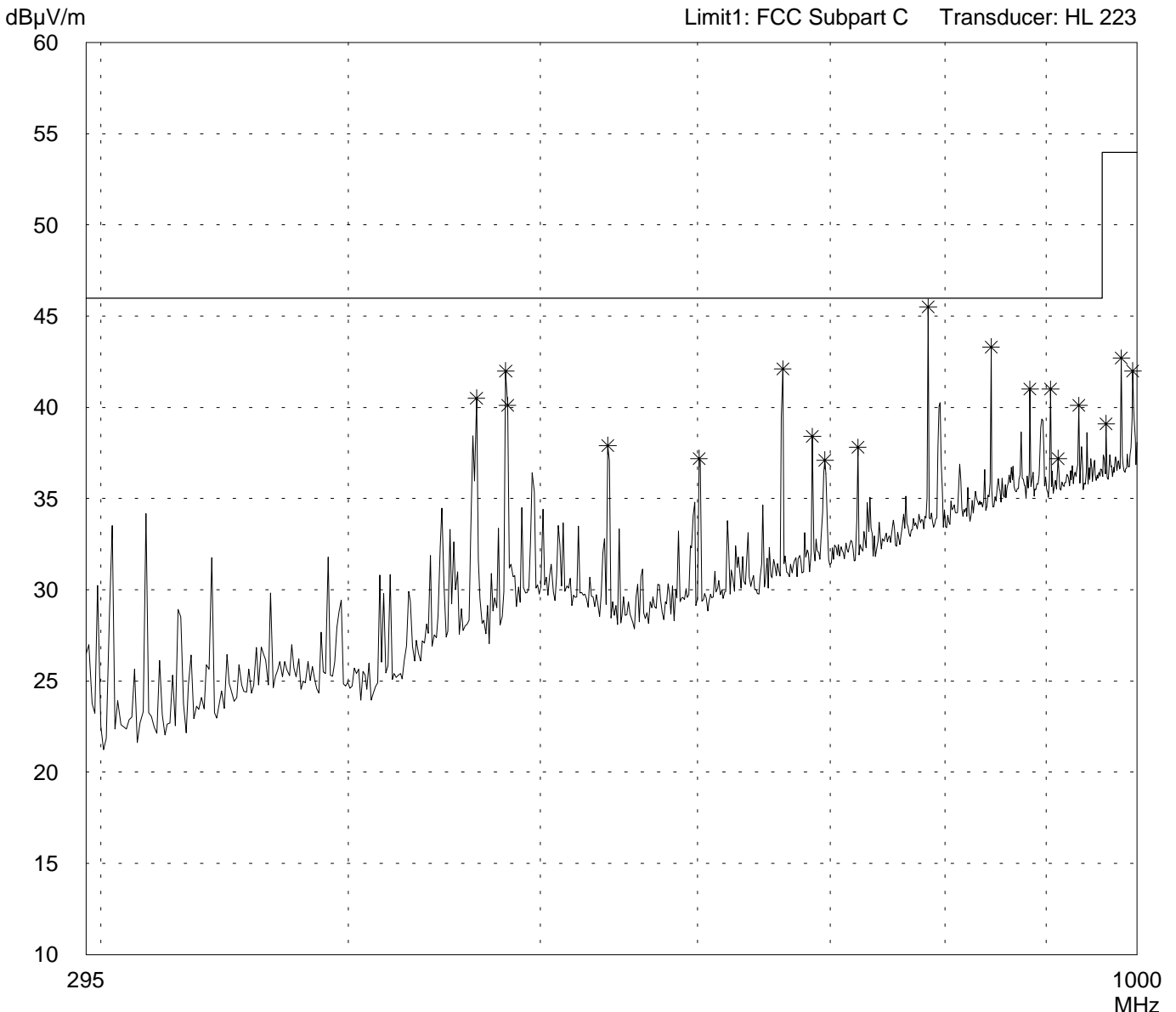
# Radiated Emission Test 295 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/10/2002	Operator: R. Heller
Test performed: automatically	File name:

Mode: <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul>
<ul style="list-style-type: none"> <li>- operating with bit rate 11 Mbps</li> </ul>
<ul style="list-style-type: none"> <li>- RX mode with <math>f = 2.442</math> GHz</li> </ul>

Detector: Peak
-------------------

List of values: Selected by hand
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Result: Prescan
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Project file: 56305-20559-1	Page 176 of 183 Pages
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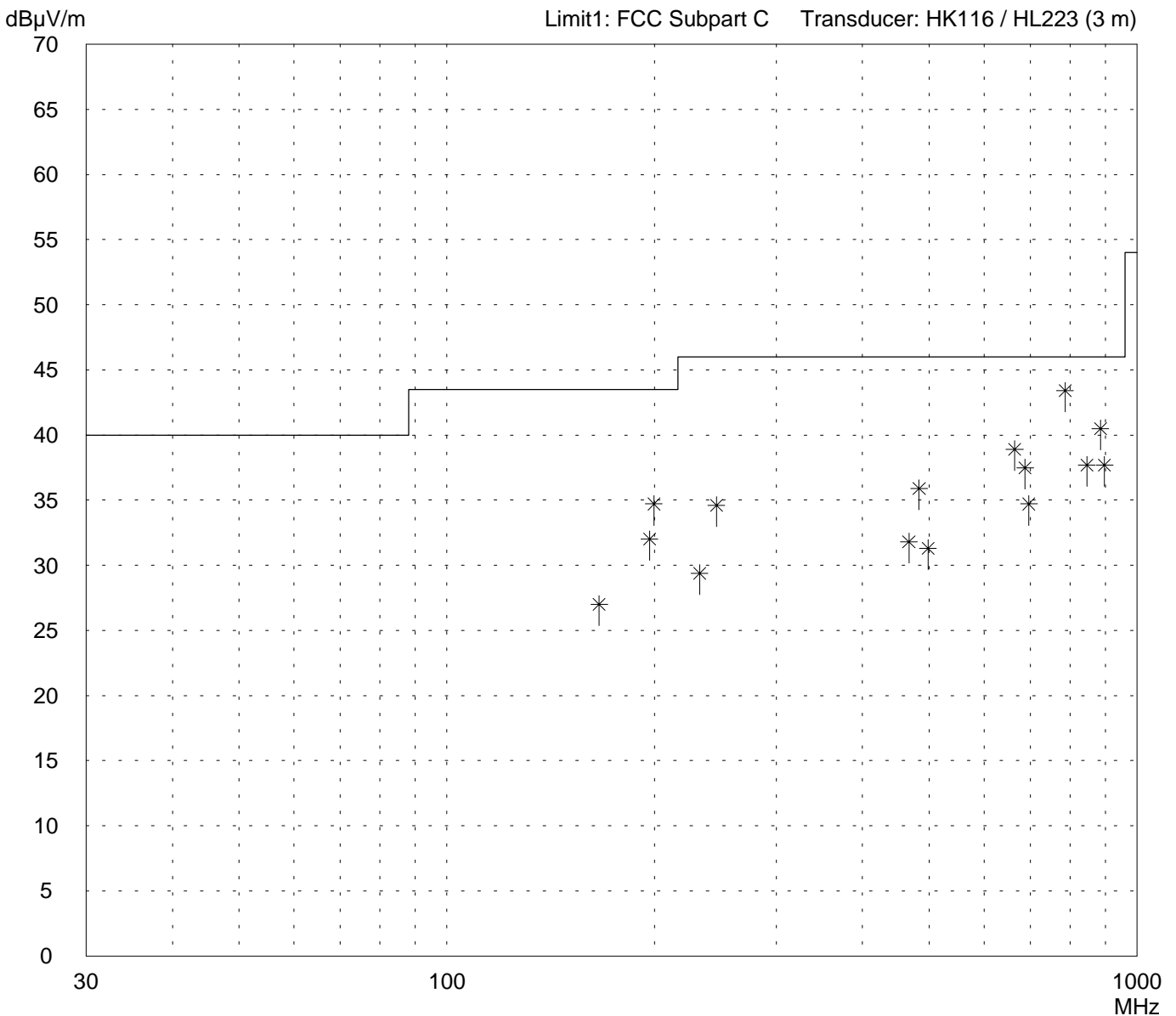
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved - display switched off  - operating with bit rate 11 Mbps  - RX mode with $f = 2.442$ GHz
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Detector: Quasi-Peak
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List of values: Selected by hand
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Result: Limit kept
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Project file: 56305-20559-1	Page 177 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Horizontal Polarization</p> <p>Date of test:                      Operator: 09/11/2002                      R. Heller</p> <p>Test performed:                      File name: by hand</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- RX mode with f = 2.442 GHz</p>
--	---

<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
---------------------------------	---

<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
166.20	9.8	17.2	27.0	43.5	
196.61	12.7	19.3	32.0	43.5	
199.37	15.2	19.5	34.7	43.5	
232.28	9.3	20.1	29.4	46.0	
245.77	14.2	20.4	34.6	46.0	
466.95	7.5	24.3	31.8	46.0	
483.31	11.2	24.7	35.9	46.0	
497.82	6.3	25.0	31.3	46.0	
664.65	8.7	30.2	38.9	46.0	
688.16	6.4	31.1	37.5	46.0	
696.88	3.3	31.4	34.7	46.0	
786.46	10.8	32.6	43.4	46.0	
845.84	3.8	33.9	37.7	46.0	
884.77	6.2	34.3	40.5	46.0	
897.03	3.3	34.4	37.7	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 178 of 183 Pages</p>
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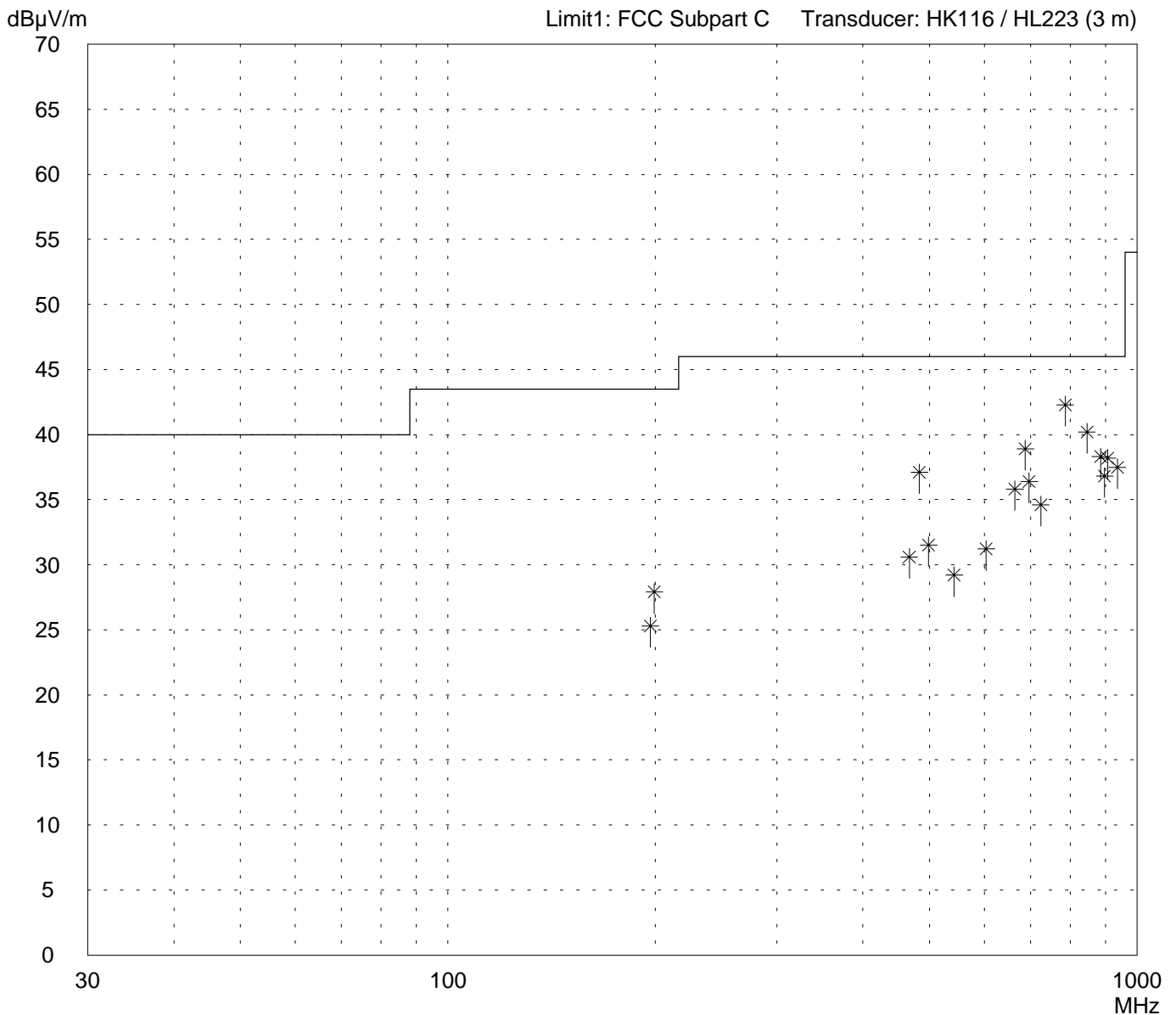
# Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: PCC-2411-PCE-BAS1	
Serial no.: 02UTENG00002	
Applicant: Agere Systems Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 09/11/2002	Operator: R. Heller
Test performed: by hand	File name:

Mode: - FCC test setup - supply voltage 115 V AC - EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A - shielding of PC-card extender improved - display switched off  - operating with bit rate 11 Mbps  - RX mode with $f = 2.442$ GHz
--

Detector: Quasi-Peak
-------------------------

List of values: Selected by hand
-------------------------------------



Result: Limit kept
-----------------------

Project file: 56305-20559-1	Page 179 of 183 Pages
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## Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

<p>Model: PCC-2411-PCE-BAS1</p> <p>Serial no.: 02UTENG00002</p> <p>Applicant: Agere Systems Nederland B.V.</p> <p>Test site: Open area test-site I</p> <p>Tested on: Test distance 3 meters Vertical Polarization</p> <p>Date of test:                      Operator: 09/11/2002                      R. Heller</p> <p>Test performed:                      File name: by hand</p>	<p>Mode:</p> <ul style="list-style-type: none"> <li>- FCC test setup</li> <li>- supply voltage 115 V AC</li> <li>- EUT mounted in notebook Dell Latitude C800 via PC-card extender Sycard PCCextend 50A</li> <li>- shielding of PC-card extender improved</li> <li>- display switched off</li> </ul> <p>- operating with bit rate 11 Mbps</p> <p>- RX mode with f = 2.442 GHz</p>
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<p>Detector: Quasi-Peak</p>	<p>List of values: Selected by hand</p>
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<i>Frequency MHz</i>	<i>Reading dB<math>\mu</math>V</i>	<i>Correction factor dB</i>	<i>Value dB<math>\mu</math>V/m</i>	<i>Limit dB<math>\mu</math>V/m</i>	<i>Limit exceeded</i>
196.61	6.0	19.3	25.3	43.5	
199.29	8.4	19.5	27.9	43.5	
466.95	6.3	24.3	30.6	46.0	
483.15	12.4	24.7	37.1	46.0	
498.33	6.5	25.0	31.5	46.0	
542.85	3.0	26.2	29.2	46.0	
603.87	3.0	28.2	31.2	46.0	
664.65	5.6	30.2	35.8	46.0	
688.16	7.8	31.1	38.9	46.0	
696.88	5.0	31.4	36.4	46.0	
724.68	2.9	31.7	34.6	46.0	
786.46	9.7	32.6	42.3	46.0	
845.38	6.3	33.9	40.2	46.0	
884.77	4.0	34.3	38.3	46.0	
897.03	2.4	34.4	36.8	46.0	
905.90	3.8	34.4	38.2	46.0	
936.00	3.0	34.5	37.5	46.0	

<p>Result: Limit kept</p>	<p>Project file: 56305-20559-1</p> <p style="text-align: right;">Page 180 of 183 Pages</p>
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**Radiated Emission 1 GHz - 12.5 GHz  
according to FCC Part 15 Subpart C (§15.209)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- RX mode with  $f = 2.442$  GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
1.0978	vertical	12.4	0.5	26.1	39.0	74
1.1760	horizontal	13.9	0.5	26.2	40.6	74
1.3840	vertical	12.7	0.5	26.6	39.7	74
1.4764	vertical	8.7	0.5	26.8	36.0	74
1.5760	vertical	11.1	0.5	27.1	38.8	74
1.6951	vertical	13.1	0.5	27.7	41.3	74
3.3905	vertical	15.3	0.7	23.8	39.8	74
4.8894	horizontal	14.7	0.9	27.3	42.9	74

**Result:** The limits are kept

**Radiated Emission 1 GHz - 12.5 GHz  
according to FCC Part 15 Subpart C (§15.209)**

Model: PCC-2411-PCE-BAS1  
Type: RF-modem for wireless LAN  
Serial No.: 02UTENG00002  
Applicant: Agere Systems Nederland B.V.  
Test-site: Semi anechoic room  
Test distance: 3 meters  
Date of test: 09/04/2002  
Operator: R. Heller

Mode: - FCC test setup  
- supply voltage 115 V AC  
- EUT mounted in notebook Dell Latitude C800  
via PC-card extender Sycard PCCextend 50A  
- shielding of PC-card extender improved  
  
- operating with bit rate 11 Mbps  
  
- RX mode with  $f = 2.442$  GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dB $\mu$ V]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]
1.0960	vertical	< 7.5	0.5	26.1	< 34.0	54
1.1813	vertical	< 6.8	0.5	26.2	< 33.5	54
1.3964	vertical	< 6.7	0.5	26.6	< 33.8	54
1.4764	vertical	< 6.3	0.5	26.8	< 33.5	54
1.5778	vertical	< 3.9	0.5	27.2	< 31.6	54
1.6969	vertical	< 9.1	0.5	27.7	< 37.3	54
4.8841	horizontal	14.7	0.9	27.3	42.8	54

**Result:** The limits are kept

**13. Additional Information supplementary to the Test Report**

Item	Description	Collected in
1	Photographs of EUT and Host	Annex A
2	Photographs Taken During Testing	Annex B