SENTON

■ EMV-Prüfzentrum ■ EMI/EMC-Testcenter ■

Straubing, March 24, 1999

T E S T - R E P O R T

No. 56305-90203-1

for

LUC PC24-H-FC

RF-modem for wireless LAN

Applicant:	Lucent Technologies Nederland B.V.
Purpose of testing:	To show compliance with FCC Code of Federal Regulations, Part 15 Subpart C, Section §15.247

Table of Contents

1. Administrative Data

Equipment Under Test (EUT):	LUC PC24-H-FC
Serial number(s):	90890026 (RF-modem) Sample no. 1 (external antenna)
Type of equipment:	RF-modem using DSSS technology for wireless connection for e.g. portable and mobile computers which have a PCMCIA-bus.
Parts/accessories:	• RF-modem LUC PC24-H-FC, part no. 011337 • external omni-directional antenna AIN24-OD-0202, part no. 010096 (for additional information see "Configuration of EUT and Peripheral Devices" on page 8)
FCC-ID:	IMRWLPC24H

Applicant: (full address)	Lucent Technologies Nederland B.V. Zadelstede 1-10 NL-3431 JZ Nieuwegein The Netherlands
Contract identification:	---
Contact person:	Mr. Wout Kerkhof
Manufacturer:	Lucent Technologies Nederland B.V.

Receipt of EUT:	March 16, 1999
Date of test:	March 16 to 23, 1999
Note:	---

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	
Contact person:	Mr. Johann Roidt	
Communication:	Telephone Fax eMail:	(+49) 0 94 21 / 55 22-0 (+49) 0 94 21 / 55 22-99 Office@senton.de
FCC file number:	31040/SIT 1300F2	
Industry Canada file number:	IC 3050	

3. Summary of Test Results

The tested sample (including accessories) complies with the requirements set forth in the Code of Regulations Part 15 Subpart C, Section §15.247 (intentional radiators) of the Federal Communication Commission (FCC).

Johann Roidt
Technical Manager

Rainer Heller
Test Engineer

4. Operation Mode of EUT

All tests were performed using the "WaveLAN-II Engineering Test Program", Version v01.15b (Feb 24 1999). 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 [1]
	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	

Note: See next page for instructions supplied by applicant to achieve required operation mode.

[1] Full testing with bit rate 11 Mbps only

INSTRUCTIONS - TEST PROGRAM

WaveLAN Engineering Test Program, V01.15b, Mar 15, 1999

SETUP

- INSERT Modem
- INSERT Test Program disk
- SWITCH ON PC
- GO TO A:\
- TYPE **Cert_eng**
- **MAIN MENU** appears
- SELECT **INITIALISE** and ENTER
- INITIALISE appears for a short time, green power LED is on
- Program returns automatically to **MAIN MENU**

CHANNEL SELECTION

- SELECT **SET CHANNEL** from MAIN MENU and ENTER
- SELECT channel and ENTER
- RESULTS appear
- ESC (back to **MAIN MENU**)

TX MODE

- SELECT **TX CONTINUOUS ON** from MAIN MENU and ENTER,
- SET **BIT RATE** parameters: 2=2Mbps; 3=5.5Mbps; 5=11Mbps and ENTER
  (Modem transmits spectrum with specified bit rate on selected channel. Both LEDs are on. Check by spectrum analyzer)
- To stop transmission SELECT **RX CONTINUOUS ON / STOP** and ENTER
- To restart transmission SELECT **TX CONTINUOUS ON** and ENTER two times
- NOTE: Before changing the channel number **INITIALISE** has to be selected first. For further details see Channel Selection above.

RX MODE

- SELECT **RX CONTINUOUS ON / STOP** from MAIN MENU and ENTER
- NOTE: Before changing the channel number **INITIALISE** has to be selected first. For further details see Channel Selection above.

CHANNEL LIST

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

5. Configuration of EUT and Peripheral Devices

RF-modem module LUC PC24-H-FC was tested operating with external antenna AIN24-OD-0202 connected (1.5 m antenna cable) and mounted in PCMCIA slot of notebook AT & T Globalyst 200.

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

Item	Part no.	Serial no.	Designation	Manufacturer
RF-modem	011337	90890026	LUC PC24-H-FC	Lucent
External omni-directional antenna	010096	Sample no. 1	AIN24-OD-0202	Lucent
Notebook	---	017-28730433	Globalyst 200	AT & T

Table 1: Accessories and host equipment

6. Setup of Host

Configuration of cables of host

- Unshielded power lines for AC-power supply of notebook, Kawasaki, 180 cm
- Shielded data cable connected to parallel interface of notebook, Inmac, 150 cm, Senton inv.-no. 1387
- Shielded data cable connected to serial interface of personal computer, Senton, 220 cm, Senton inv.-no. 1401

Configuration of host and peripheral devices

- Notebook AT & T Globalyst 200:
  Serial no.: 017-28730433 FCC-ID: A3LS3945
  with
  AC power supply AT & T AC Adapter:
  Product ID: 3150-K909-V001 Part no.: 5290000117
- PS/2-keyboard HP C1405A #ABD:
  Serial no.: 3221S30020 FCC-ID[2]: B94VECTRA386S-20
- Parallel printer HP ThinkJet 2225C+:
  Serial no.: 3106S91193 FCC-ID: DSI6XU2225
  with power supply Hayes 52-00008
  Serial no.: 9028A
- Serial printer HP ThinkJet 2225D+:
  Serial no.: 2920S44042 FCC-ID: DSI6XU2225
  with power supply Hayes 52-00008
  Serial no.: 9033A

[2] FCC-ID of corresponding personal computer

7. Measuring Methods

7.1. Minimum 6 dB Bandwidth (§ 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, 18, 57, 67, 68

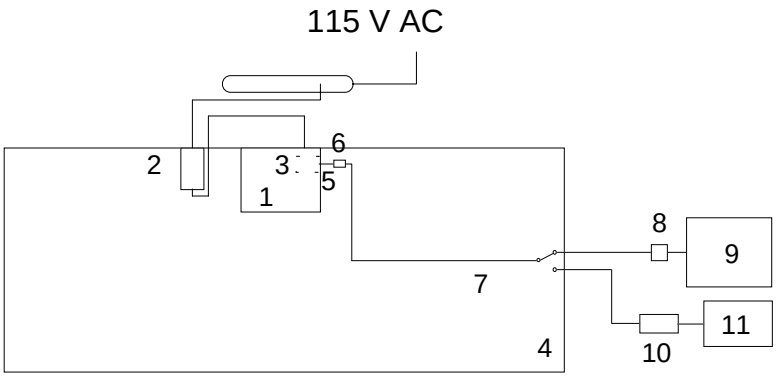


Figure 1: Measurement setup for testing on antenna connector

1 Notebook
2 Power supply for notebook
3 RF-modem (EUT)
4 Wooden table
5 Adapter cable
6 DC-block
7 Test cable
8 Attenuator
9 Spectrum analyzer
10 Power sensor
11 Power meter

7.2. Maximum Peak Output Power (§ 15.247.b)

The maximum peak output power was measured with a power meter 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, 18, 67, 68

7.3. Peak Power Density (§ 15.247.d)

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, 18, 57, 67, 68

7.4. Conducted Emission 0.45 MHz - 30 MHz (§15.207)

Conducted emissions were measured in the frequency range 0.45 MHz to 30 MHz. The bandwidth of the EMI-Receiver was set to 9 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 performed on phase and neutral lines of the power-cords of the tested system. Preliminary scans were taken with the detector-function of the EMI-receiver set to peak to determine the conducted EMI-profile of the EUT. At the final test the cables and equipment were placed and moved within the range of positions likely to find their maximum emissions.
See figure 2 for the measurement setup.

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

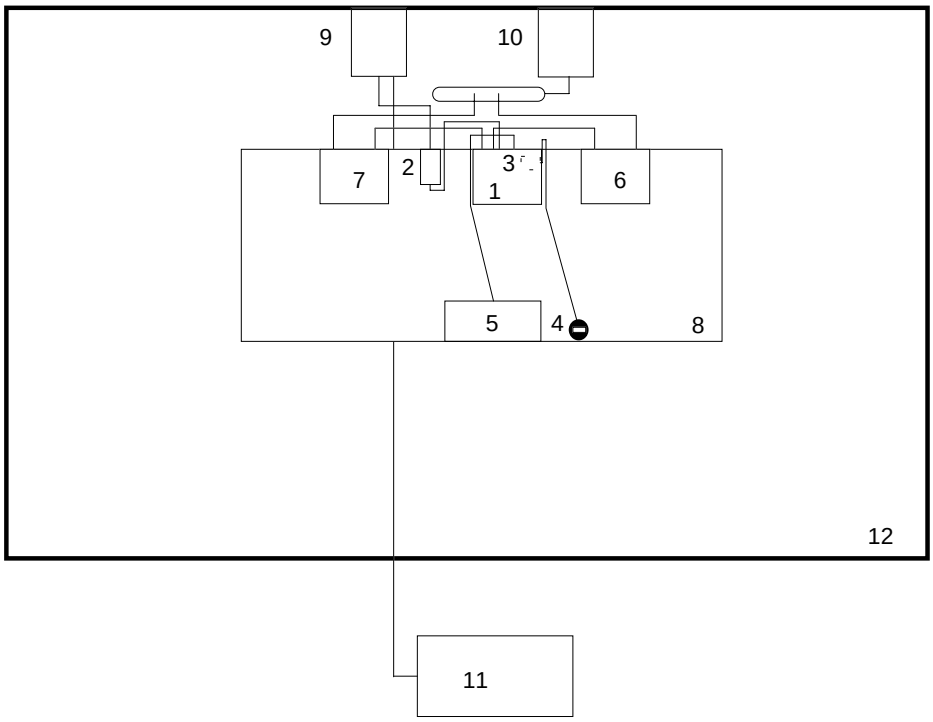


Figure 2: Measurement setup for conducted emission test

1 Notebook
2 Power supply for notebook
3 RF-modem (EUT)
4 RF-antenna (2.4 GHz)
5 Keyboard
6 Parallel printer
7 Serial printer
8 Wooden table
9 LISN for EUT
10 LISN for peripheral devices
11 Test receiver
12 Shielded room

7.5. Radiated Emission 30 MHz - 1 GHz (§15.209, §15.247.c, §15.205.a,b)

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

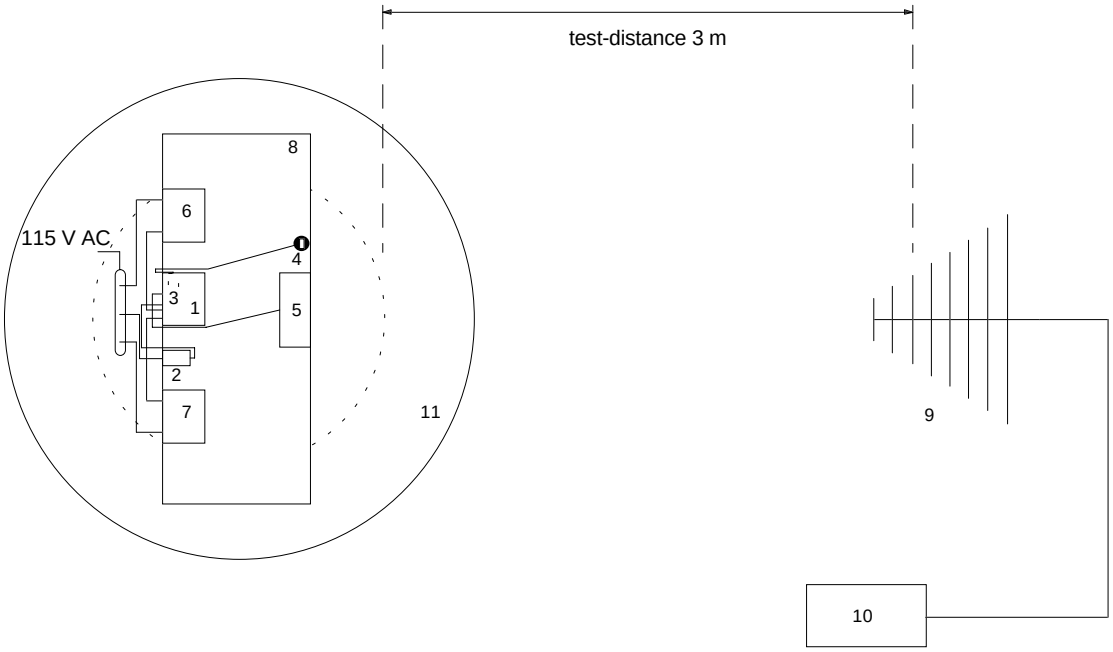


Figure 3: Measurement setup for radiated emission test below 1 GHz

1 Notebook
2 Power supply for notebook
3 RF-modem (EUT)
4 RF-antenna (2.4 GHz)
5 Keyboard
6 Parallel printer
7 Serial printer
8 Wooden table
9 Measurement antenna
10 Test receiver
11 Turn table

7.6. Radiated Emission 1 GHz - 25 GHz (§15.209, §15.247.c, §15.205.a,b)

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 100 Hz (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.
To eliminate variations in amplification of the preamplifiers a signal generator was used for substitution (however, during testing a correction according to the minimum amplification was added).

Substitution was performed in the following steps:

- antenna cable was disconnected from receiving antenna and connected to signal generator output
- level of signal generator was increased until the reading value of the analyzer was the same as caused by EUT
- level of signal generator was noted
- final value was calculated by converting the signal generator level to dBµV/m and adding the antenna correction factor.

See figure 4 for the measurement setups.

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

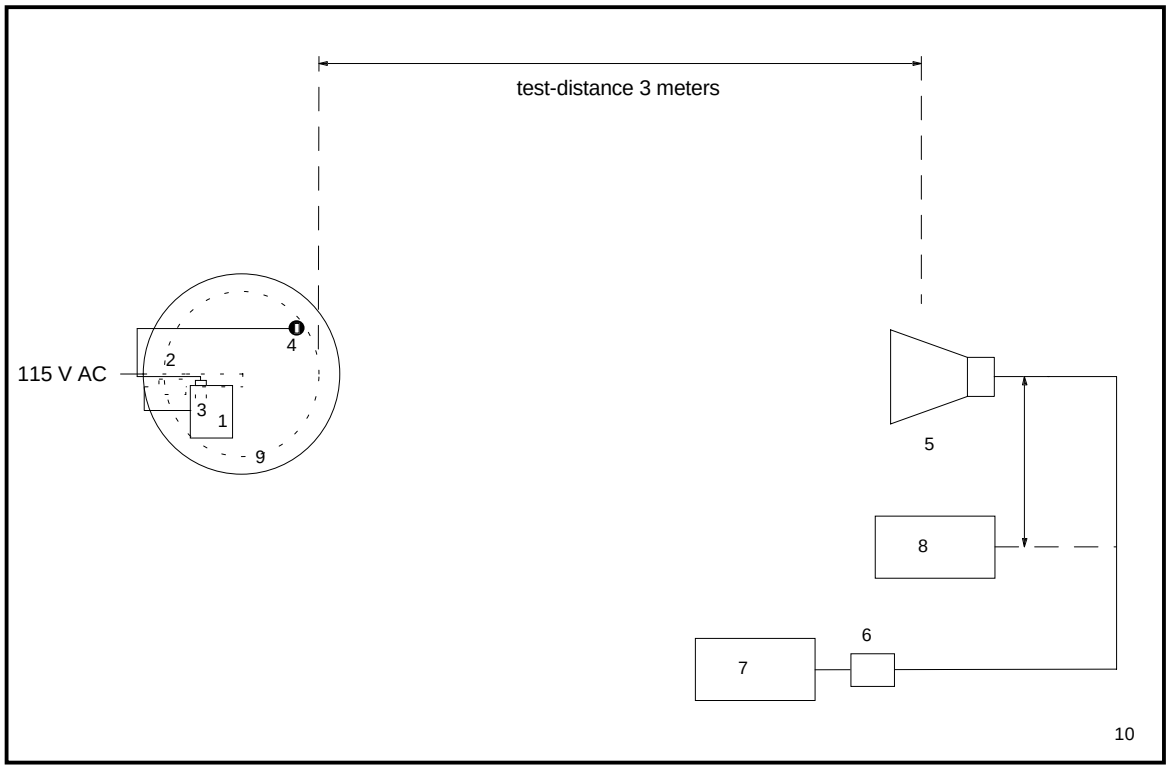


Figure 4: Measurement setup for radiated emission test above 1 GHz

1 Notebook
2 Power supply for notebook
3 RF-modem (EUT)
4 RF-antenna (2.4 GHz)
5 Measurement antenna
6 Preamplifier (if applicable)
7 Spectrum analyzer
8 Signal generator
9 Turn table
10 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			Lucent Technologies
68	DC Block 0.01-18GHz		8037	Inmet Corp.
69	High pass filter			Lucent Technologies

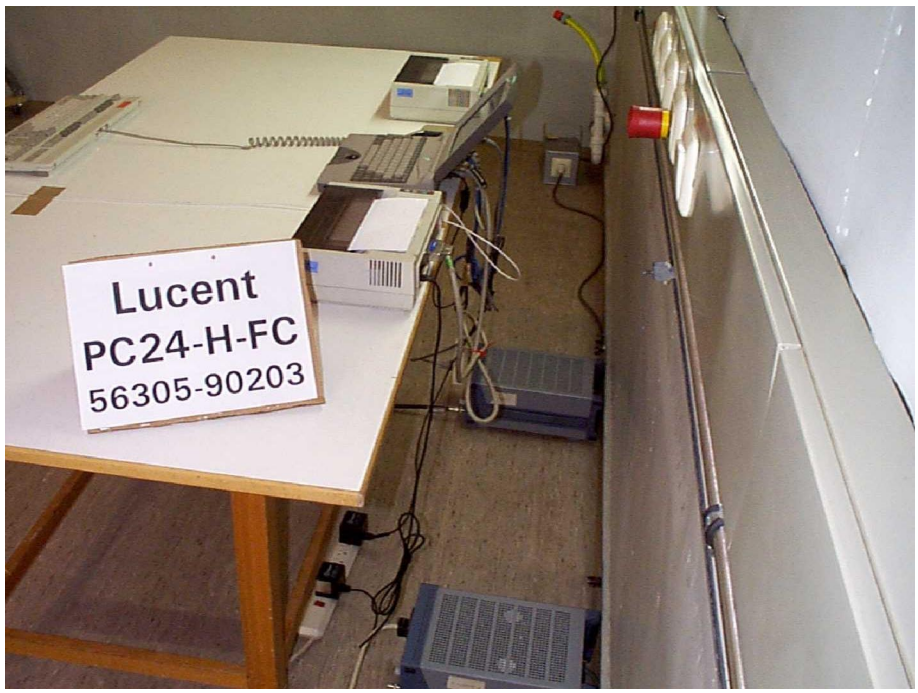
9. Photographs Taken During Testing

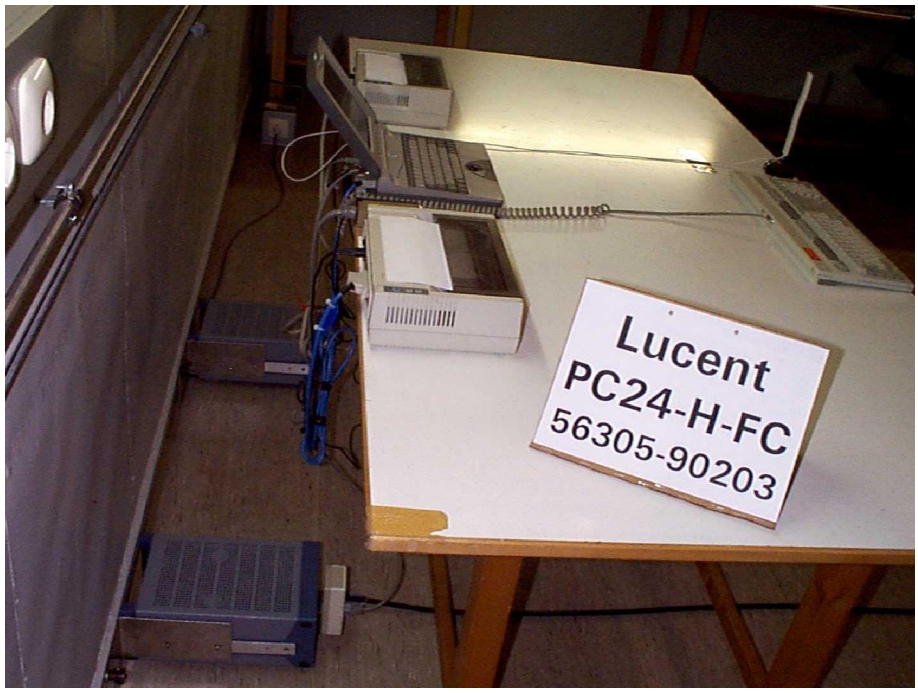
Photo No. 9.1

Test setup for conducted emission test 450 kHz - 30 MHz

Photos No. 9.2 - 9.3

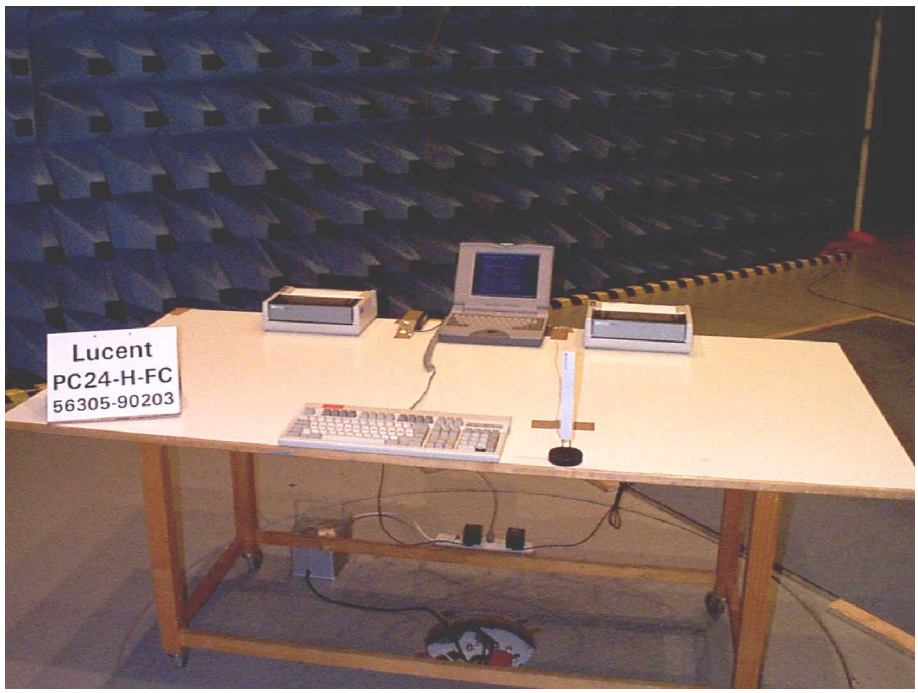
Test setup for conducted emission test 450 kHz - 30 MHz (continued)

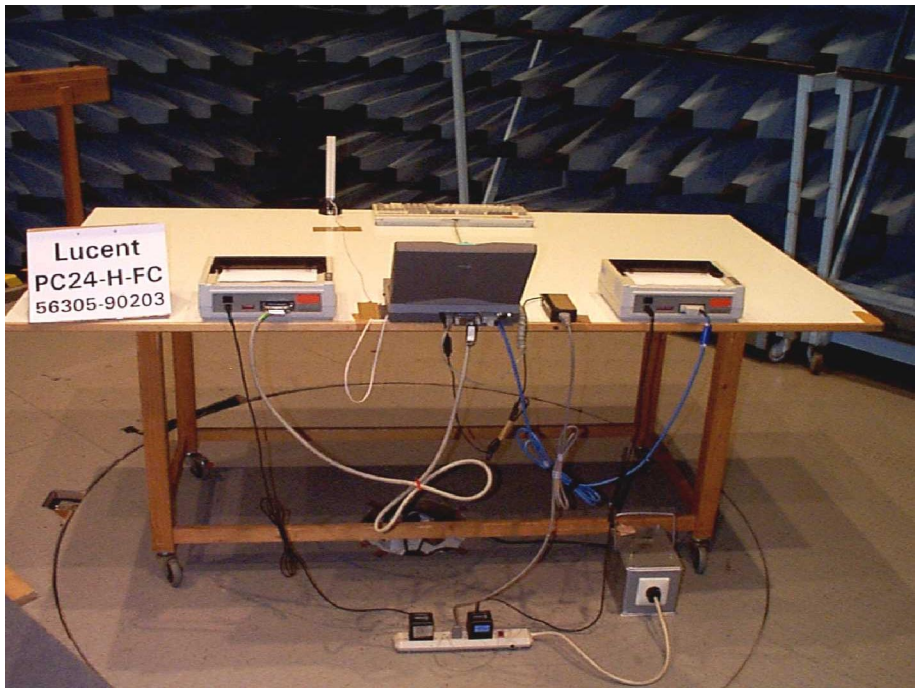




Photos No. 9.4 - 9.5

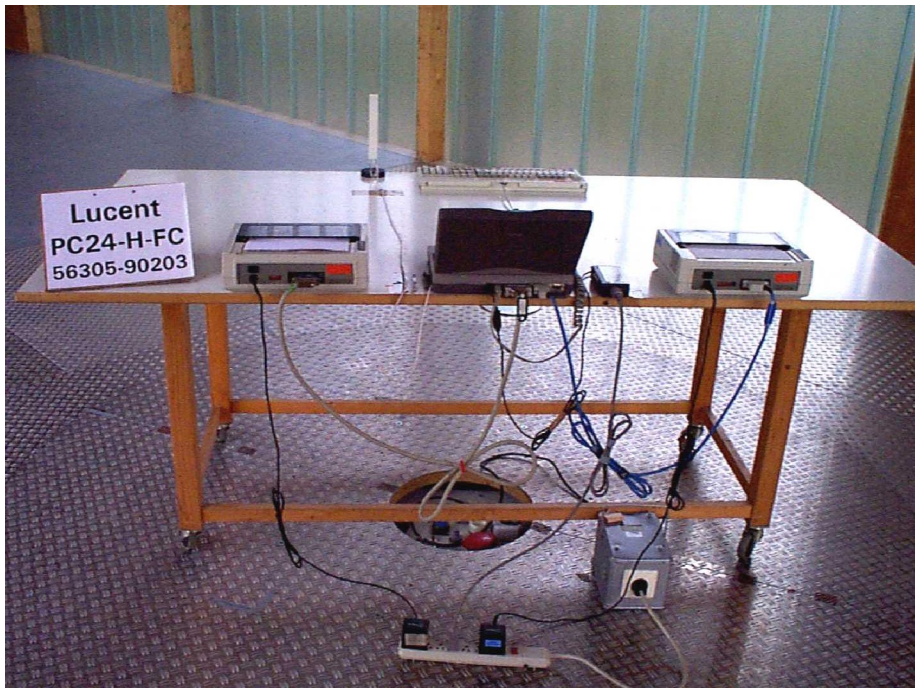
Test setup for radiated emission pre-test 30 MHz - 1 GHz (semi anechoic room)





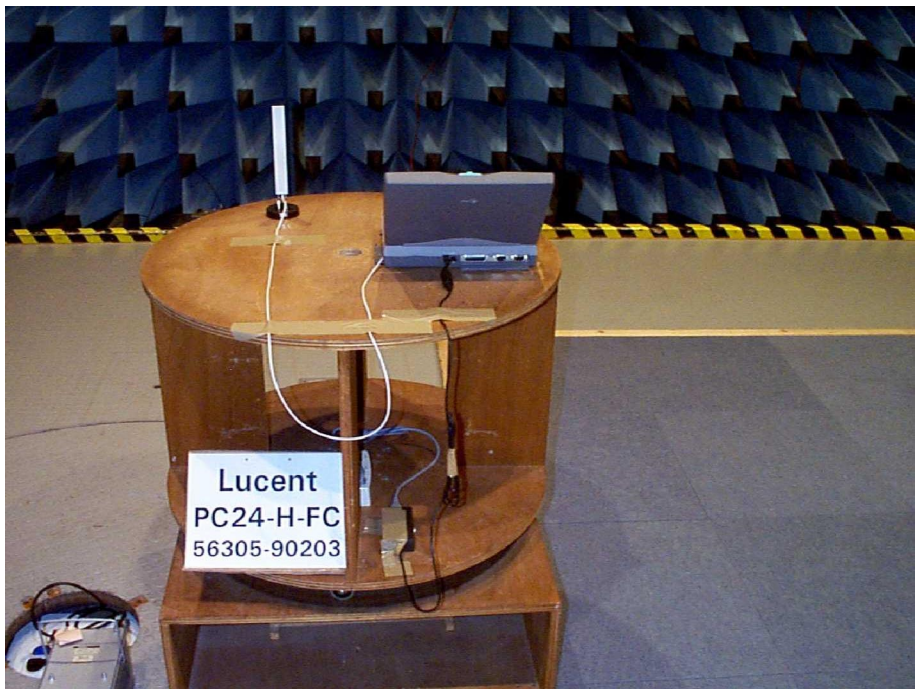
Photos No. 9.6 - 9.7

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



Photos No. 9.8 - 9.9

Test setup for radiated emission test above 1 GHz



10. List of Measurements

FCC Part 15 Subpart C			
Section(s):	**Test**	**Page**	**Result**
	Transmit mode (TX):	28	
§15.247.a2	Minimum 6 dB bandwidth	29	passed
§15.247.b	Maximum peak output power	38	passed
§15.247.d	Peak power density	48	passed
§15.247.e	Processing gain	---	test performed by applicant
	Frequency range (conducted)	65	for information only (see note)
§15.207	Conducted emission test 450 kHz - 30 MHz	77	passed
§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	101	passed
§15.247.c §15.209 §15.205.a,b	Radiated emission test 1 GHz - 25 GHz	128	passed
	Receive mode (RX):	146	
§15.207	Conducted emission test 450 kHz - 30 MHz	147	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	155	passed
§15.209	Radiated emission test 1 GHz - 12.5 GHz	164	passed

Note: Conducted and radiated emission tests in transmit mode were performed with bit rate set to 11 Mbps only. Additional conducted emission tests (called "frequency range") were performed to show that there is no significant difference in the shape of the transmitting signal when either using bit rate 2, 5.5 or 11 Mbps.

11. Test Results

Test results for

Transmit (TX) mode

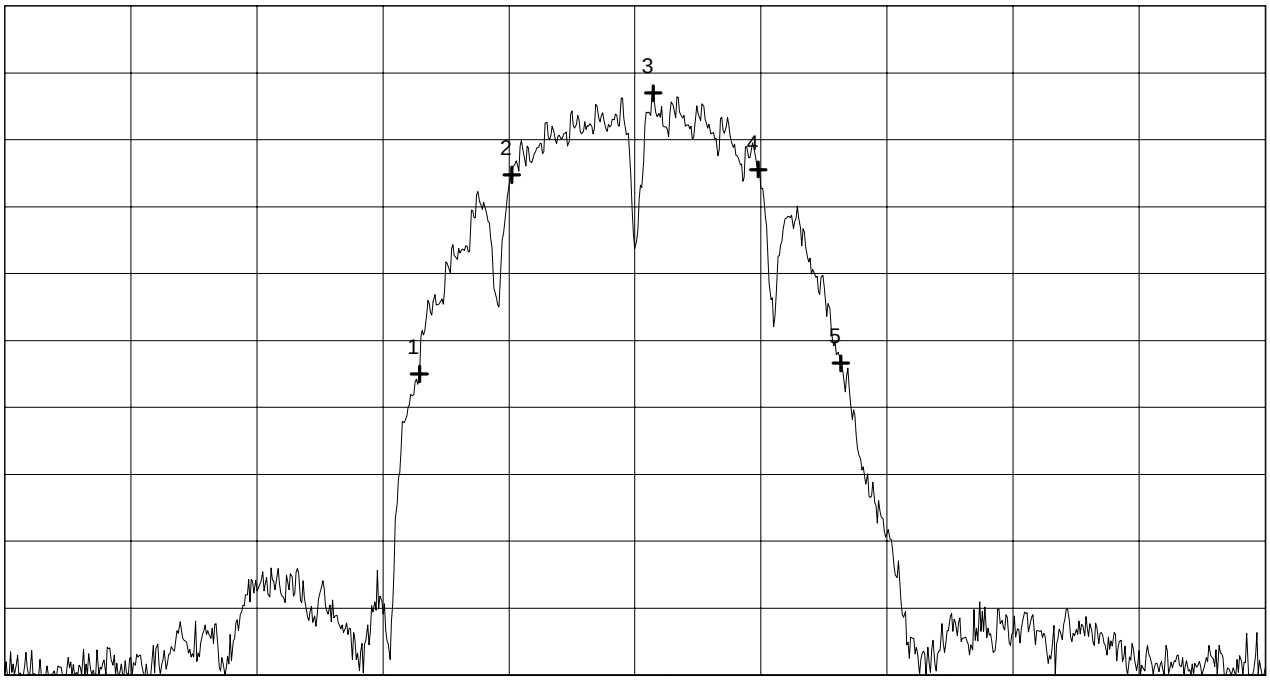
Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Delta f (-6 dB points) = 9.8 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.387 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.437 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.403444 GHz	-17.51 dBm
Nr.2	2.407111 GHz	-2.62 dBm
Nr.3	2.412722 GHz	3.48 dBm
Nr.4	2.416889 GHz	-2.23 dBm
Nr.5	2.420167 GHz	-16.71 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

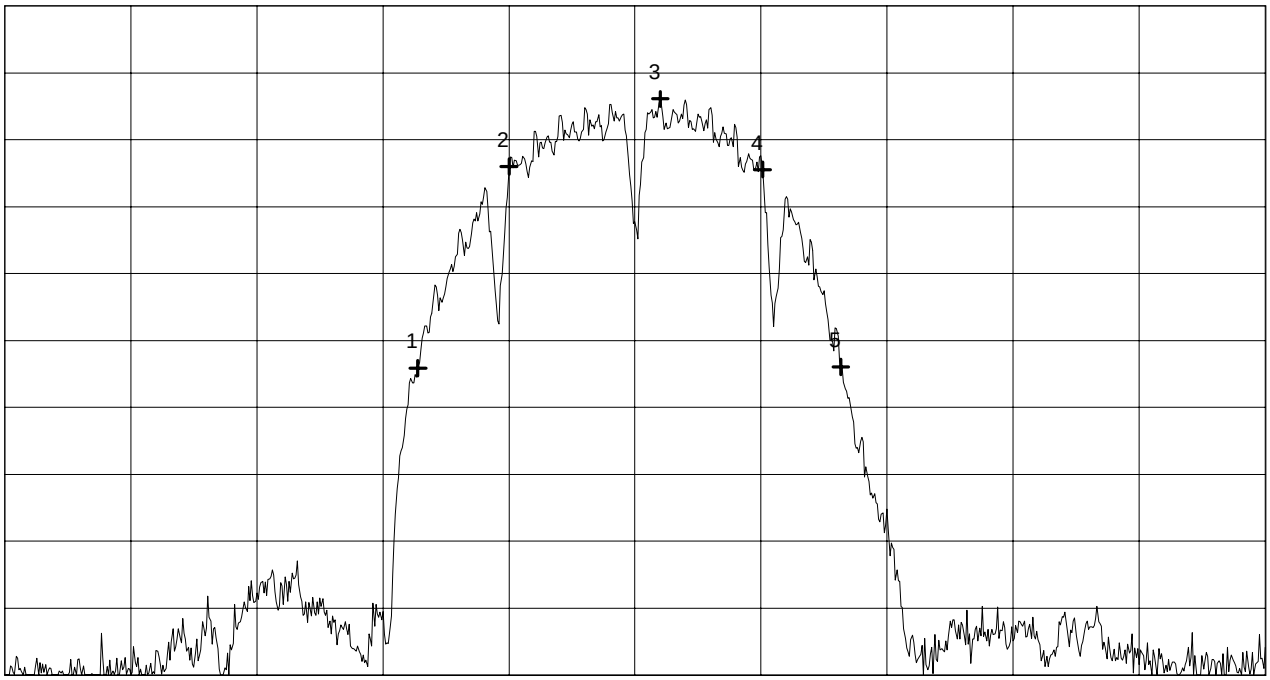
Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.387 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.437 GHz
SWP 20 ms

**** Multi Marker ****

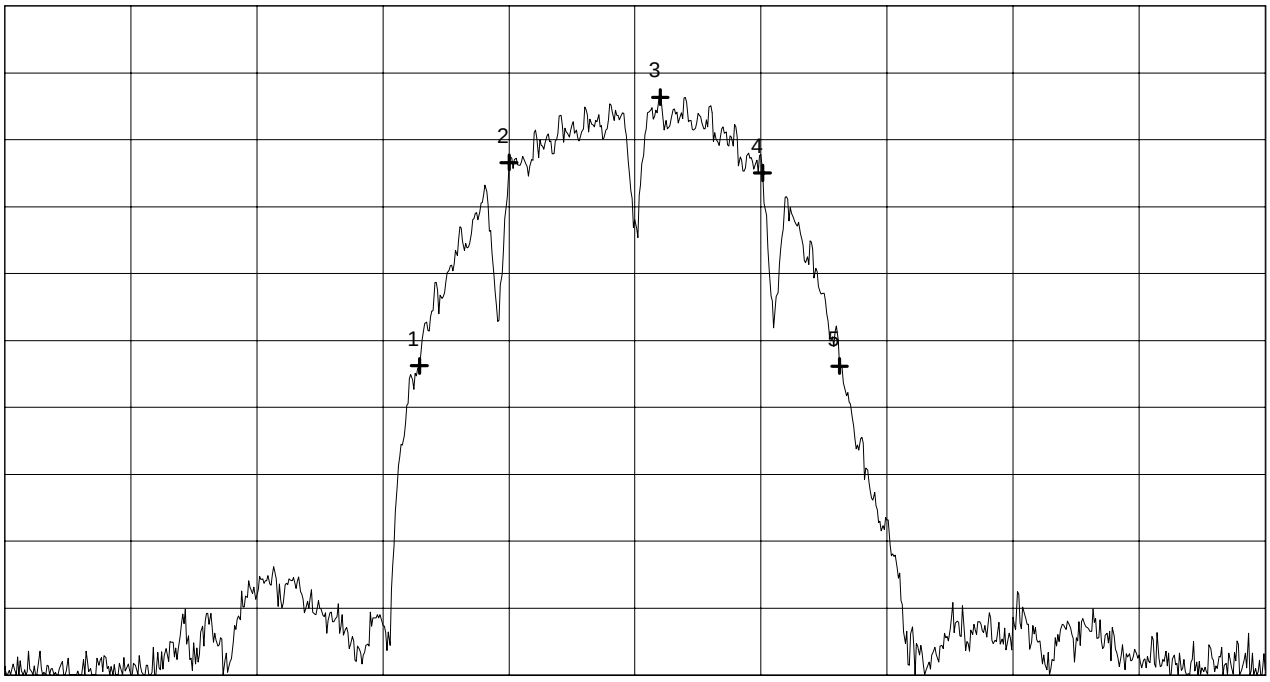
Nr.1	2.403389 GHz	-17.08 dBm
Nr.2	2.407000 GHz	-2.01 dBm
Nr.3	2.413000 GHz	3.06 dBm
Nr.4	2.417056 GHz	-2.23 dBm
Nr.5	2.420167 GHz	-16.98 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.387 GHz Stop 2.437 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

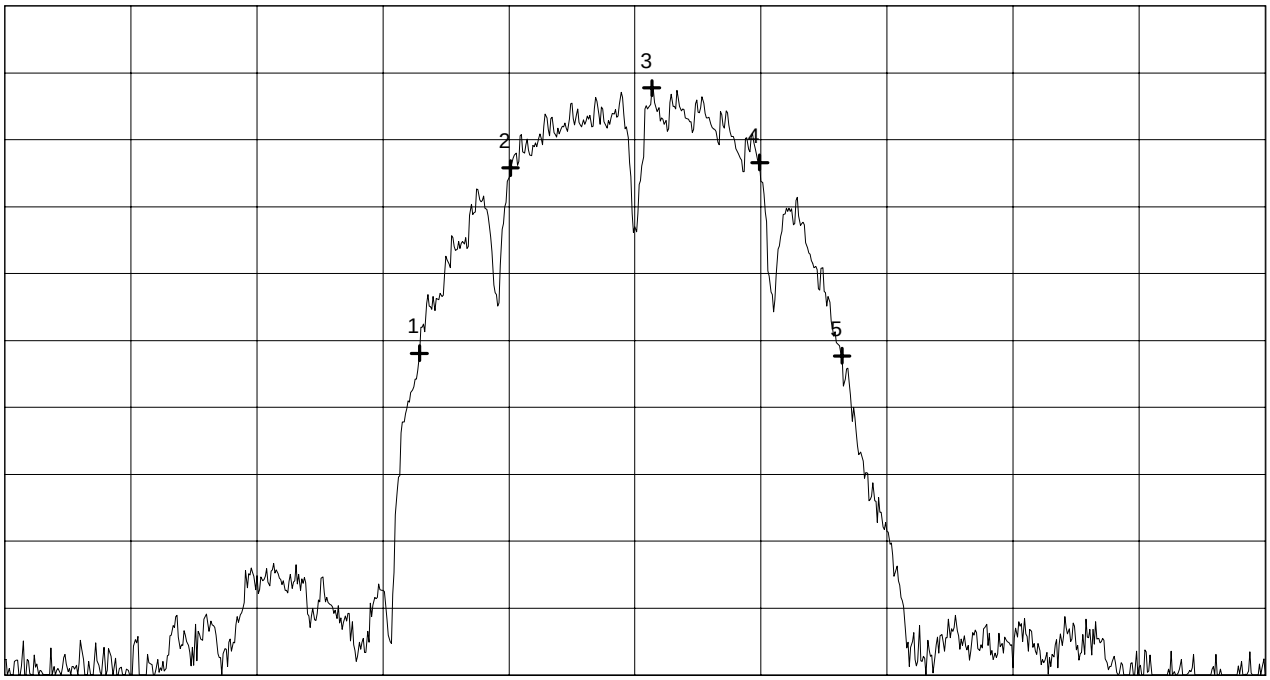
Nr.1	2.403444 GHz	-16.89 dBm
Nr.2	2.407000 GHz	-1.70 dBm
Nr.3	2.413000 GHz	3.19 dBm
Nr.4	2.417056 GHz	-2.48 dBm
Nr.5	2.420111 GHz	-16.91 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Delta f (-6 dB points) = 9.9 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.417 GHz Stop 2.467 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

Nr.1	2.433444 GHz	-15.95 dBm
Nr.2	2.437056 GHz	-2.10 dBm
Nr.3	2.442667 GHz	3.86 dBm
Nr.4	2.446944 GHz	-1.70 dBm
Nr.5	2.450222 GHz	-16.15 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

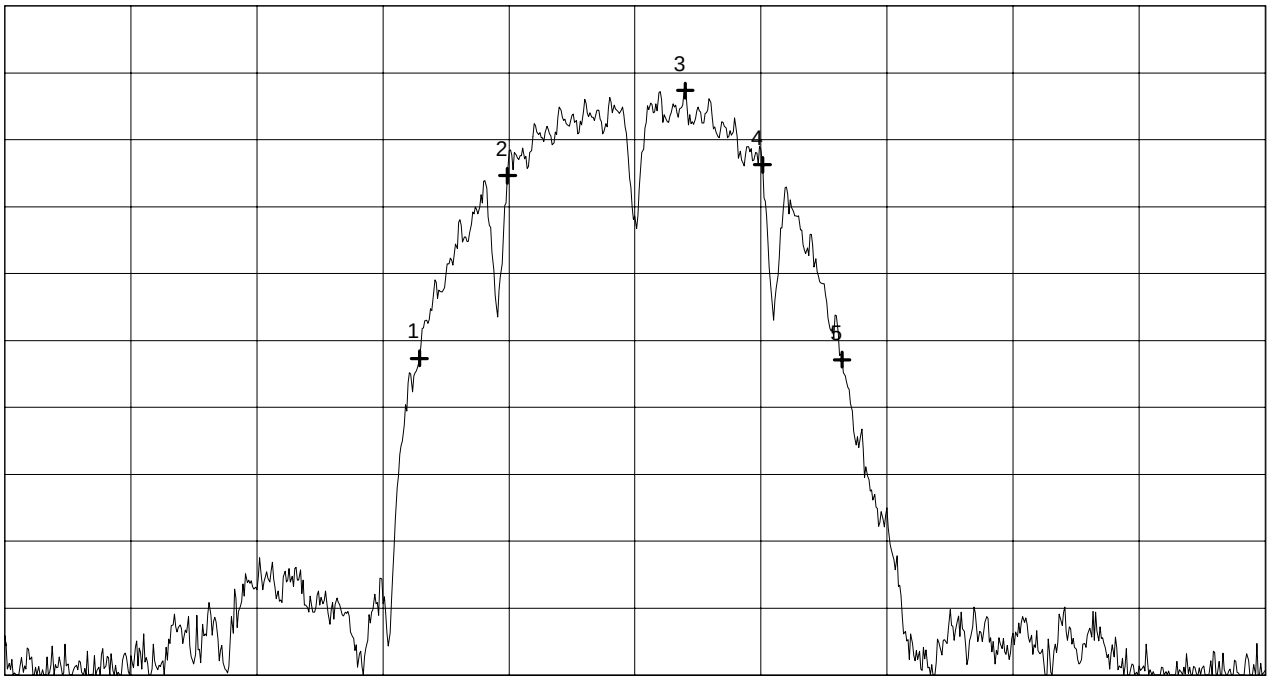
Minimum bandwidth (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.417 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.467 GHz
SWP 20 ms

**** Multi Marker ****

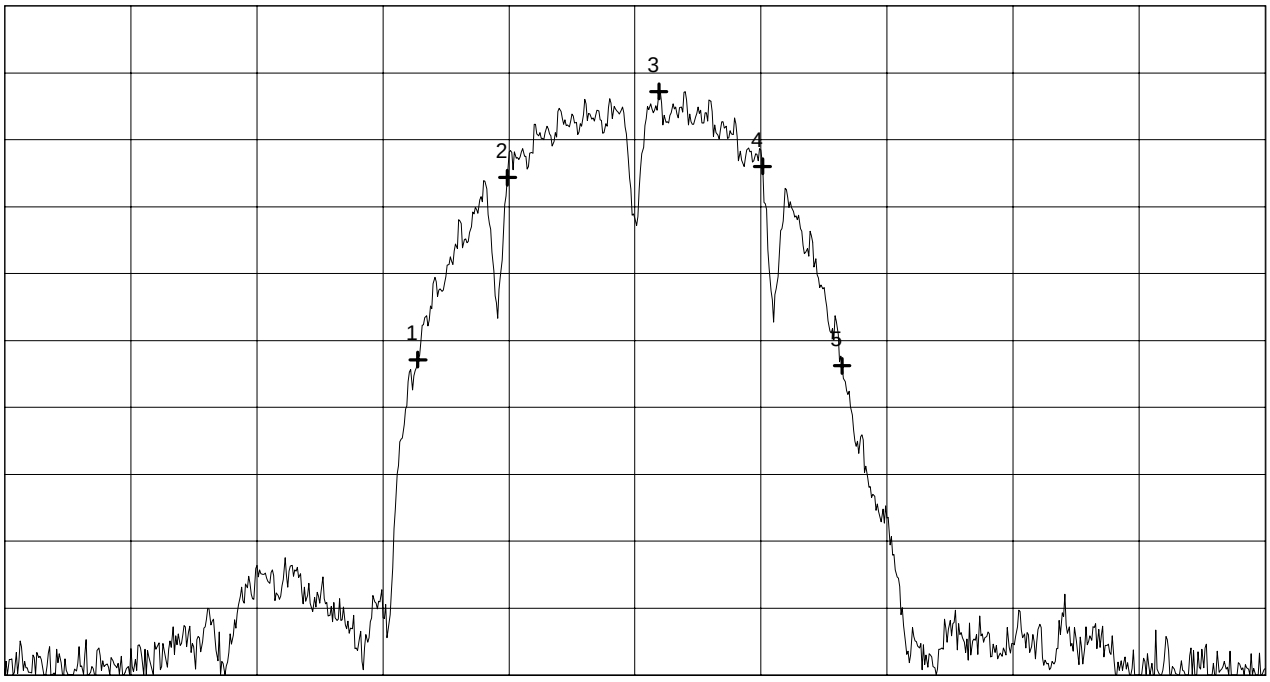
Nr.1	2.433444 GHz	-16.34 dBm
Nr.2	2.436944 GHz	-2.69 dBm
Nr.3	2.444000 GHz	3.68 dBm
Nr.4	2.447056 GHz	-1.88 dBm
Nr.5	2.450222 GHz	-16.44 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.417 GHz Stop 2.467 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

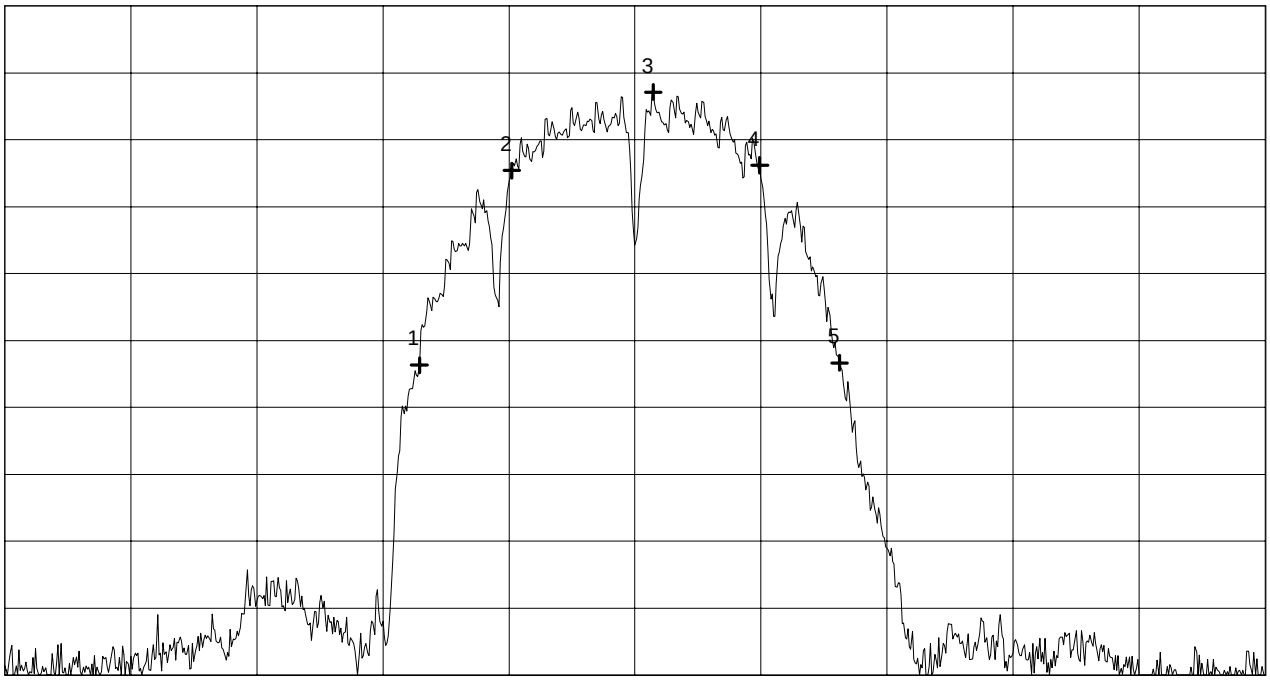
Nr.1	2.433389 GHz	-16.44 dBm
Nr.2	2.436944 GHz	-2.83 dBm
Nr.3	2.442944 GHz	3.61 dBm
Nr.4	2.447056 GHz	-1.99 dBm
Nr.5	2.450222 GHz	-16.89 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Delta f (-6 dB points) = 9.8 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.437 GHz Stop 2.487 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

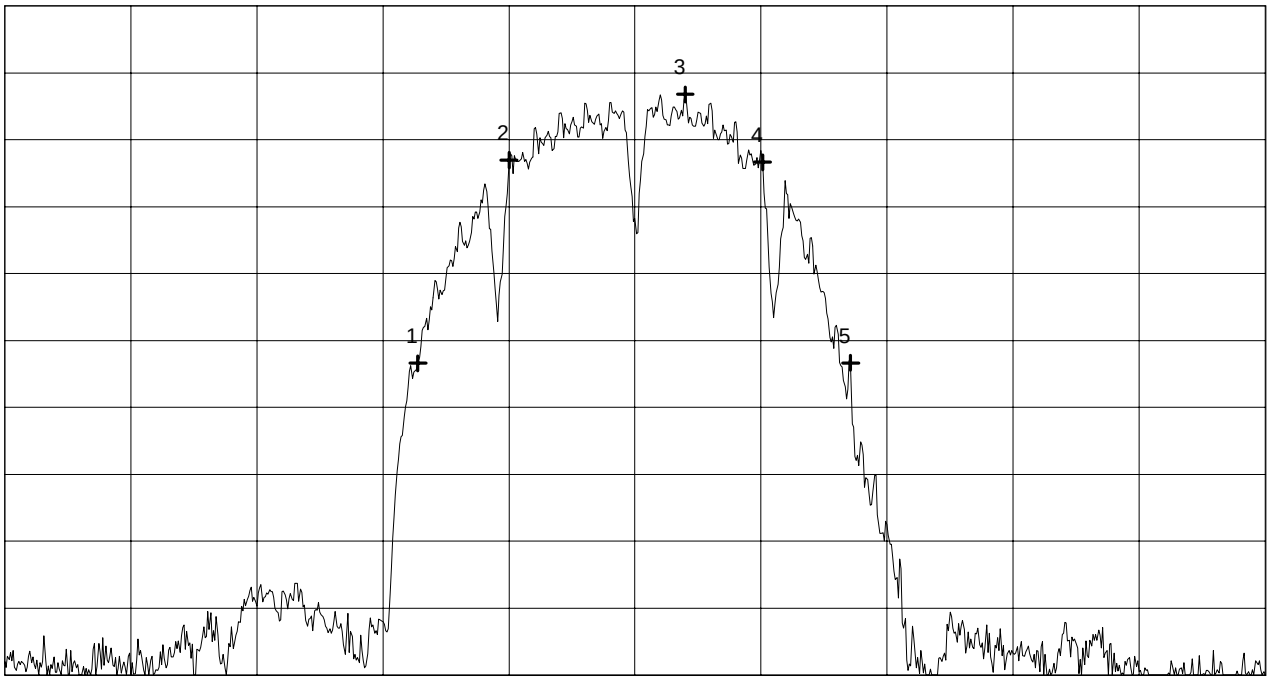
Nr.1	2.453444 GHz	-16.85 dBm
Nr.2	2.457111 GHz	-2.29 dBm
Nr.3	2.462722 GHz	3.56 dBm
Nr.4	2.466944 GHz	-1.90 dBm
Nr.5	2.470111 GHz	-16.67 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.437 GHz Stop 2.487 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

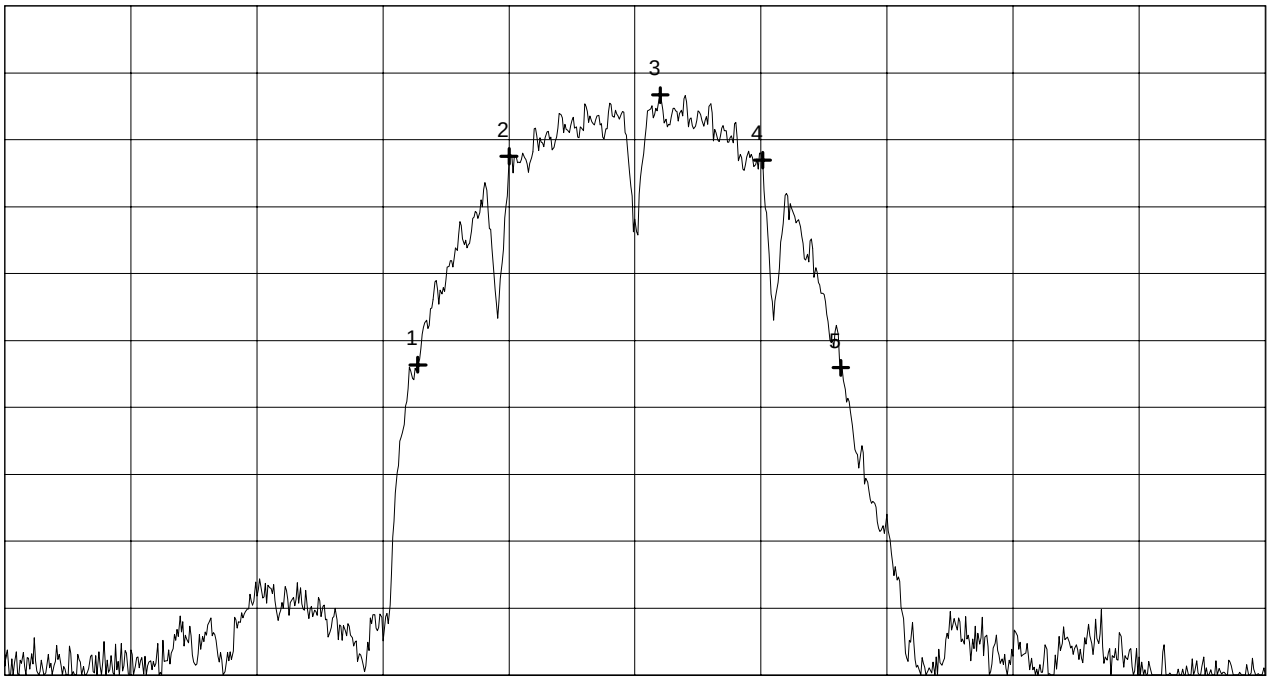
Nr.1	2.453389 GHz	-16.70 dBm
Nr.2	2.457000 GHz	-1.52 dBm
Nr.3	2.464000 GHz	3.40 dBm
Nr.4	2.467056 GHz	-1.69 dBm
Nr.5	2.470556 GHz	-16.67 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Delta f (-6 dB points) = 10.1 MHz Result: Test passed Note: -20 dB points for information only!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 10 dBm ATT 35 dB Ref. Offset 21.1 dB
5 dB dB/Div.



Start 2.437 GHz Stop 2.487 GHz
RBW 100 kHz VBW 100 kHz SWP 20 ms

**** Multi Marker ****

Nr.1	2.453389 GHz	-16.81 dBm
Nr.2	2.457000 GHz	-1.23 dBm
Nr.3	2.463000 GHz	3.35 dBm
Nr.4	2.467056 GHz	-1.52 dBm
Nr.5	2.470167 GHz	-17.04 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Date of test: 03/23/1999
Operator: R. Heller

Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC

- TX mode

Tested on: Antenna connector

Selected bit rate	Operating frequency [GHz]	Power meter reading [dBm]	Correction-factor [dB]	Output power [dBm]	Limit [dBm]
2 Mbps	2.412	14.5	0.5	15.0	30
	2.442	14.9	0.5	15.4	30
	2.462	14.6	0.5	15.1	30
5.5 Mbps	2.412	14.4	0.5	14.9	30
	2.442	14.8	0.5	15.3	30
	2.462	14.5	0.5	15.0	30
11 Mbps	2.412	14.4	0.5	14.9	30
	2.442	14.8	0.5	15.3	30
	2.462	14.6	0.5	15.1	30

Result: The limit is kept

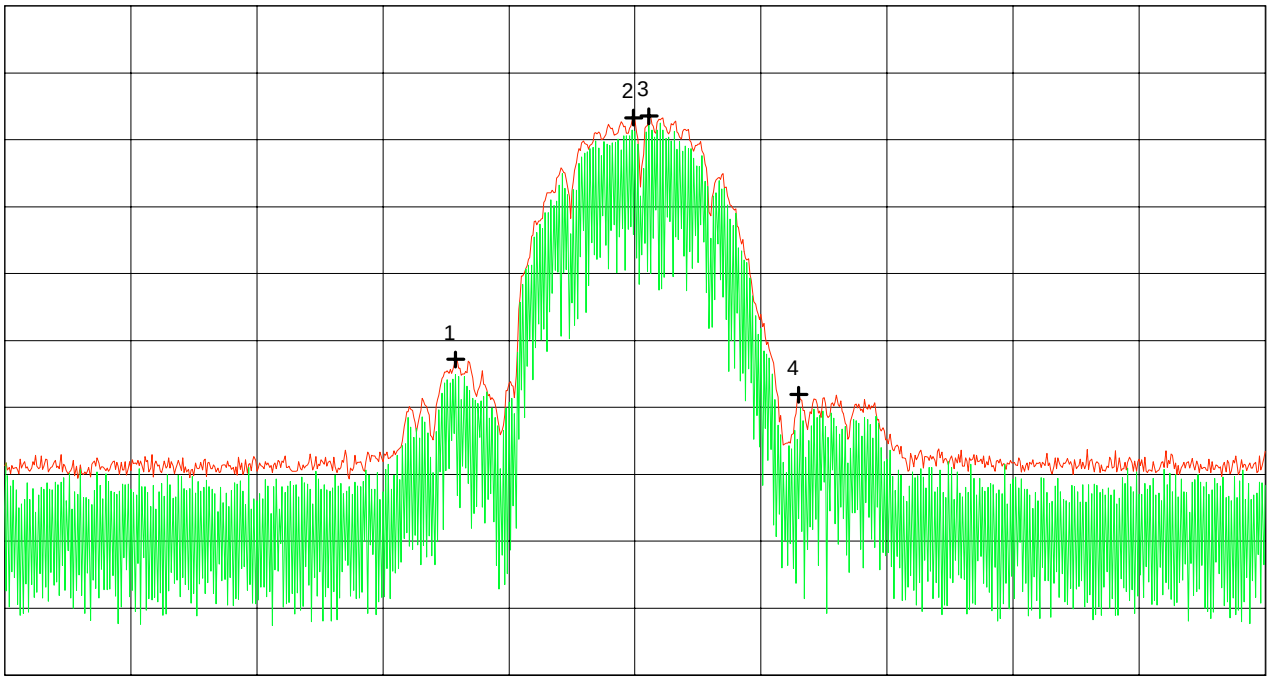
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.362 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.397778 GHz	-32.81 dBm
Nr.2	2.411889 GHz	3.30 dBm
Nr.3	2.413111 GHz	3.55 dBm
Nr.4	2.425000 GHz	-38.10 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

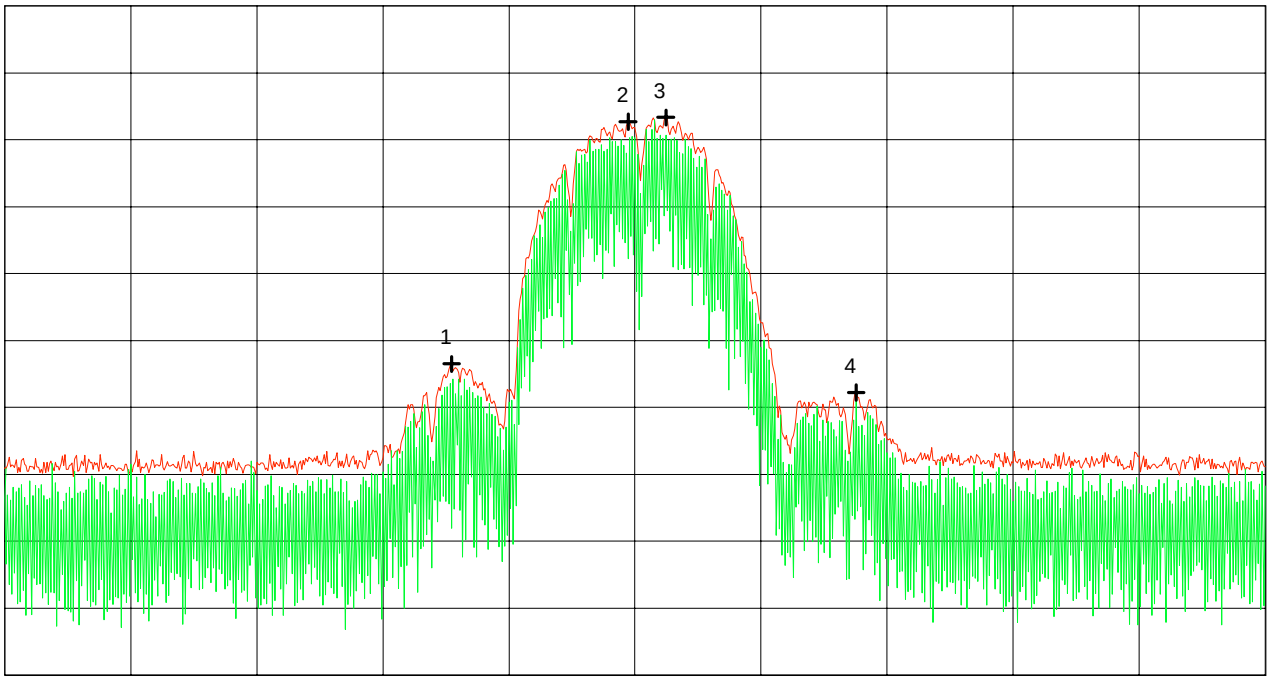
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.362 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.397444 GHz	-33.52 dBm
Nr.2	2.411444 GHz	2.69 dBm
Nr.3	2.414444 GHz	3.32 dBm
Nr.4	2.429556 GHz	-37.79 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	Page 40 of 165 pages

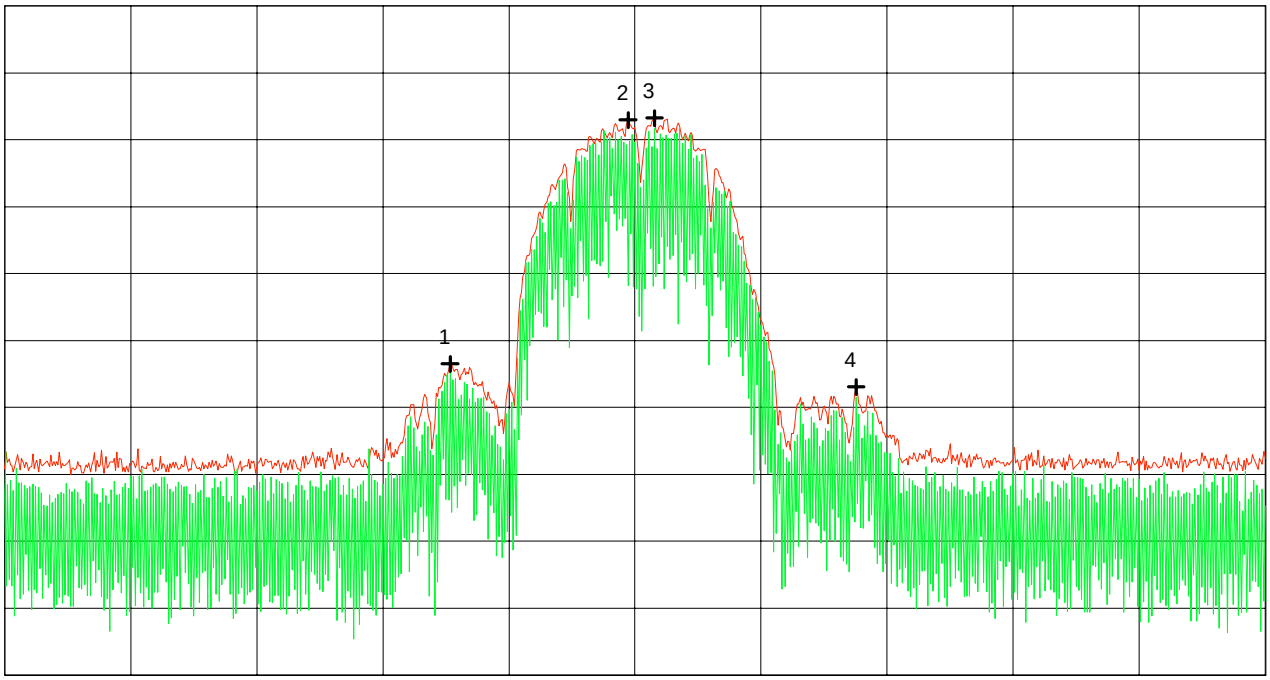
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.362 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.462 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.397333 GHz	-33.50 dBm
Nr.2	2.411444 GHz	2.94 dBm
Nr.3	2.413556 GHz	3.25 dBm
Nr.4	2.429556 GHz	-36.95 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

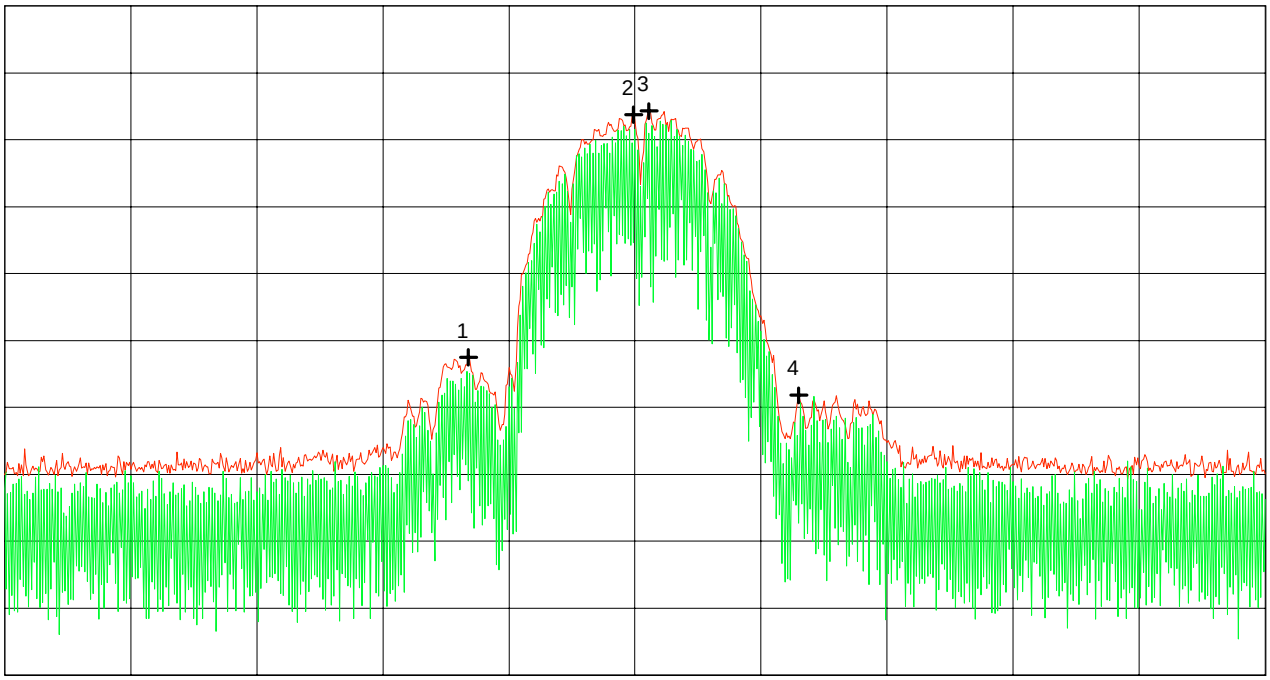
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.392 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.428778 GHz	-32.51 dBm
Nr.2	2.441889 GHz	3.75 dBm
Nr.3	2.443111 GHz	4.29 dBm
Nr.4	2.455000 GHz	-38.20 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

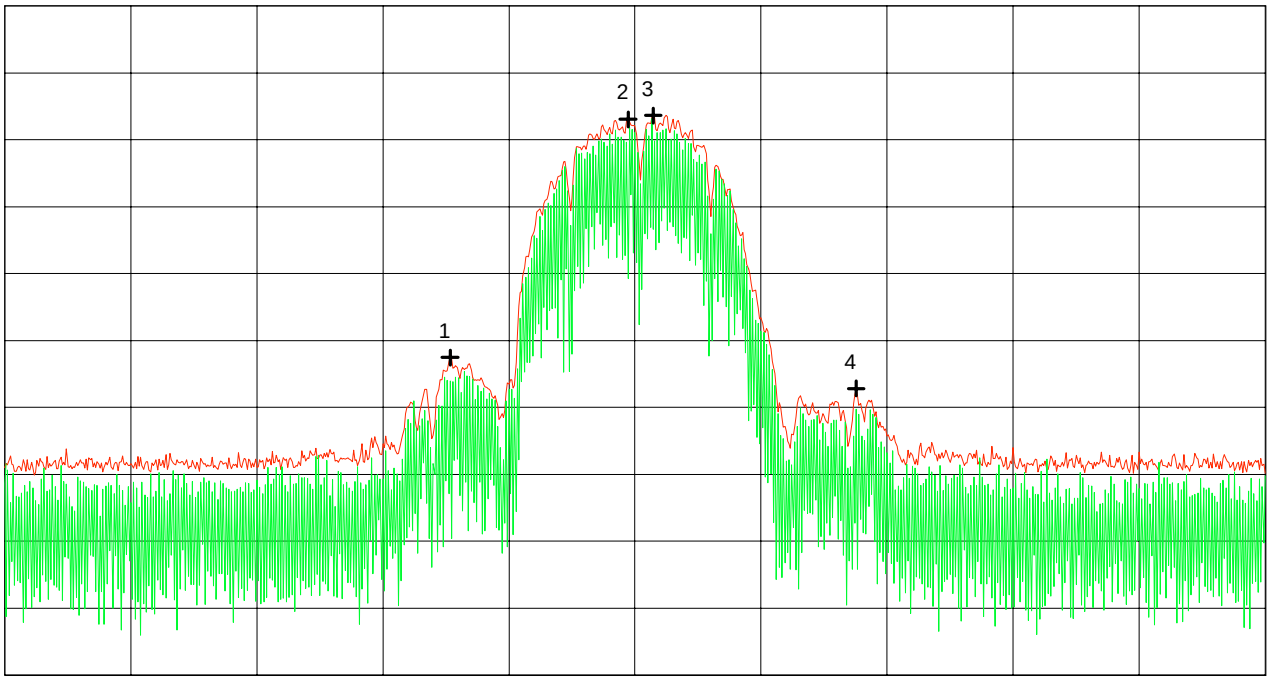
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.392 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.427333 GHz	-32.56 dBm
Nr.2	2.441444 GHz	3.04 dBm
Nr.3	2.443444 GHz	3.63 dBm
Nr.4	2.459556 GHz	-37.18 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	Page 43 of 165 pages

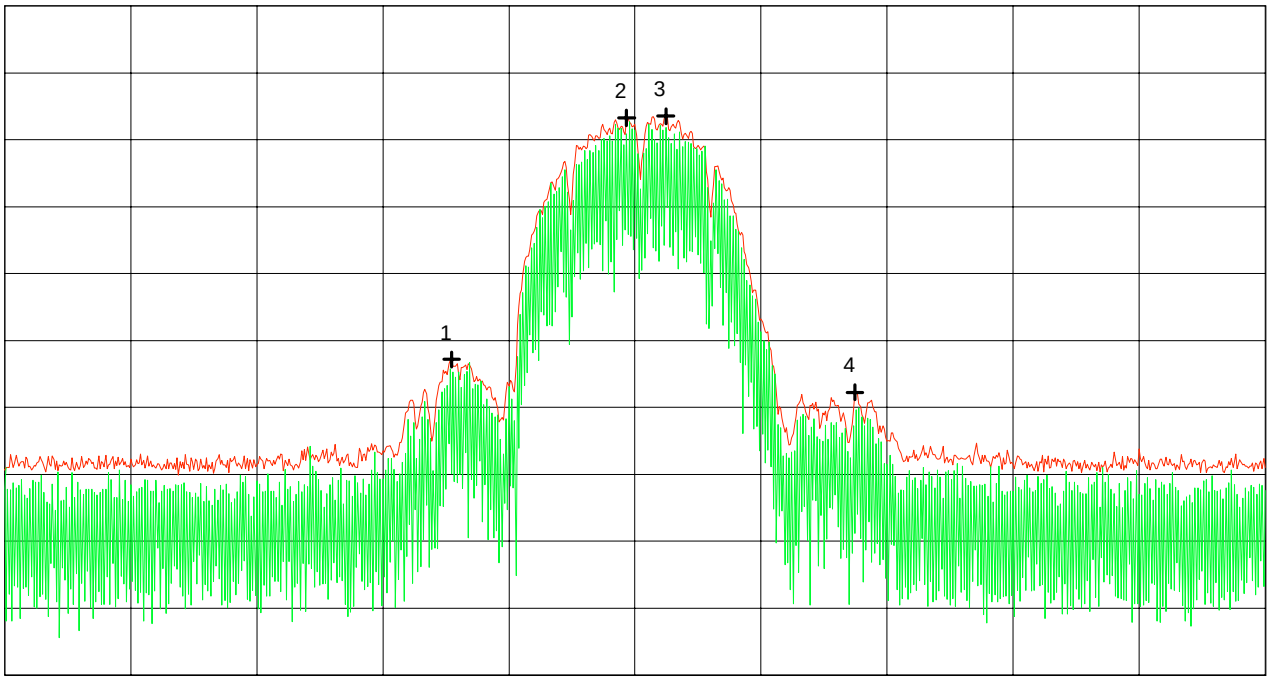
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.392 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.492 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.427444 GHz	-32.81 dBm
Nr.2	2.441333 GHz	3.27 dBm
Nr.3	2.444444 GHz	3.52 dBm
Nr.4	2.459444 GHz	-37.74 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	Page 44 of 165 pages

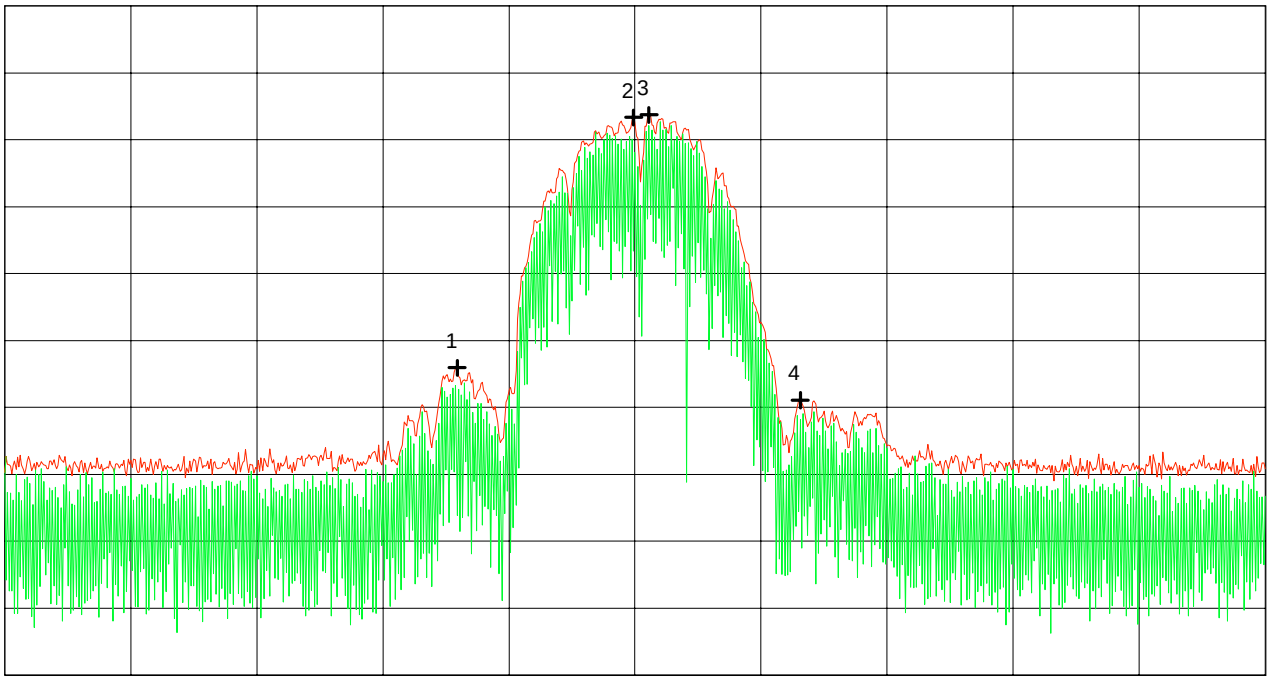
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.412 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.447889 GHz	-34.08 dBm
Nr.2	2.461889 GHz	3.32 dBm
Nr.3	2.463111 GHz	3.73 dBm
Nr.4	2.475111 GHz	-38.93 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

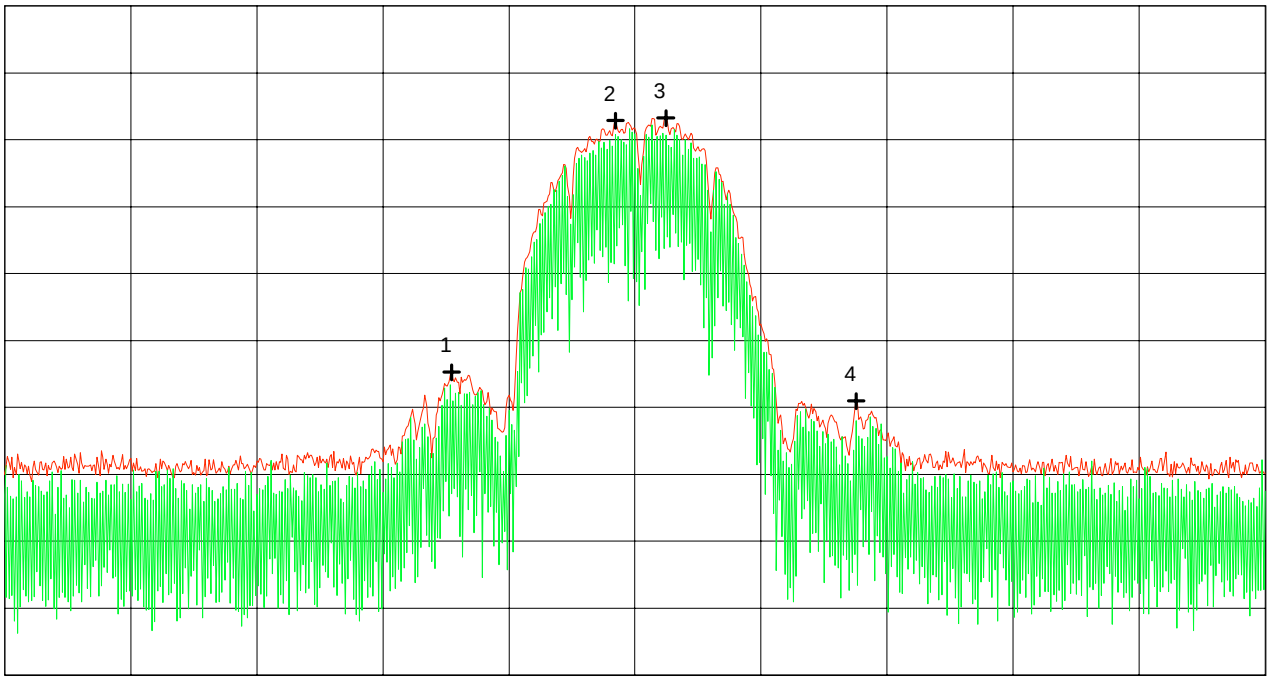
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.412 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz
SWP 40 ms

**** Multi Marker ****

Nr.1	2.447444 GHz	-34.74 dBm
Nr.2	2.460444 GHz	2.84 dBm
Nr.3	2.464444 GHz	3.25 dBm
Nr.4	2.479556 GHz	-39.04 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

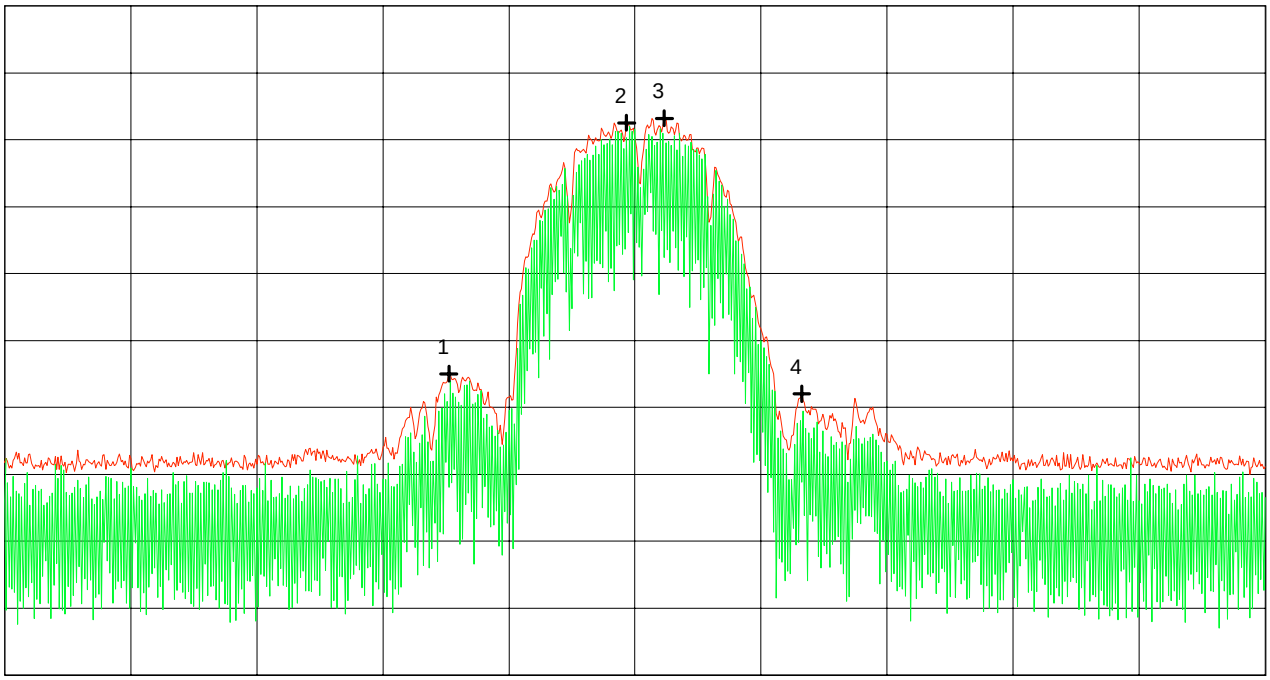
Maximum peak output power (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.412 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.512 GHz
SWP 40 ms

**** Multi Marker ****

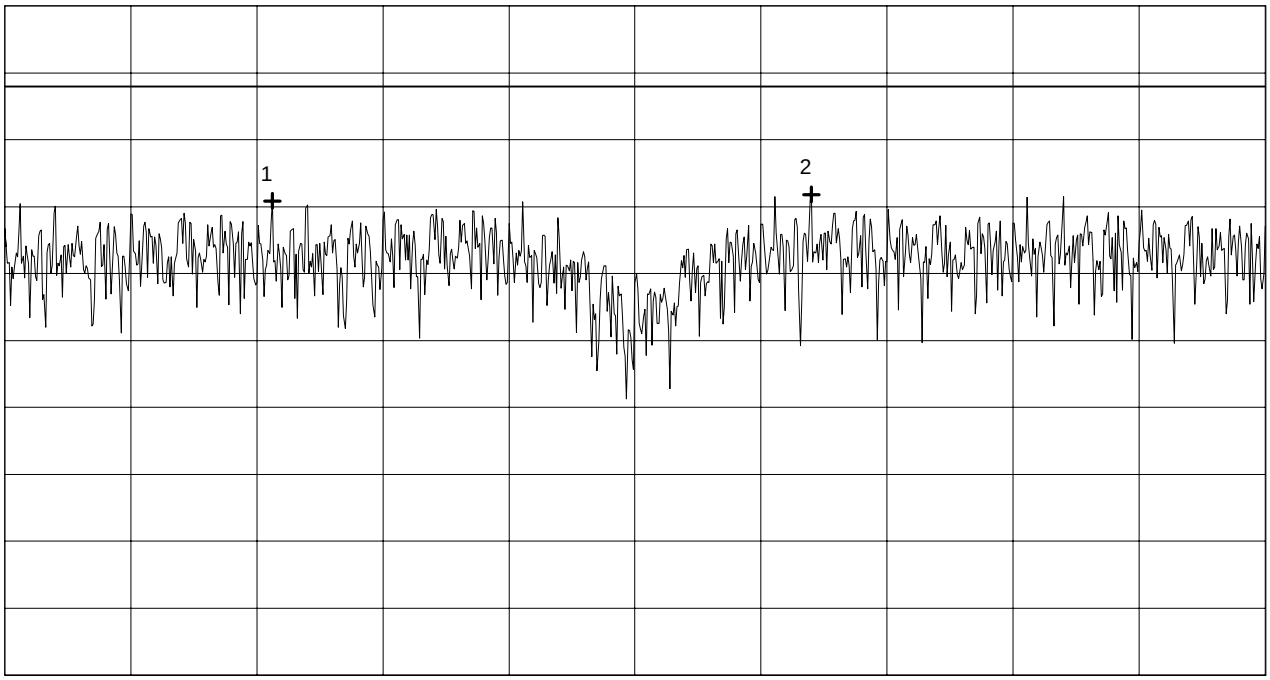
Nr.1	2.447222 GHz	-34.97 dBm
Nr.2	2.461333 GHz	2.53 dBm
Nr.3	2.464333 GHz	3.22 dBm
Nr.4	2.475222 GHz	-37.99 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	Page 47 of 165 pages

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4095 GHz Stop 2.4145 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

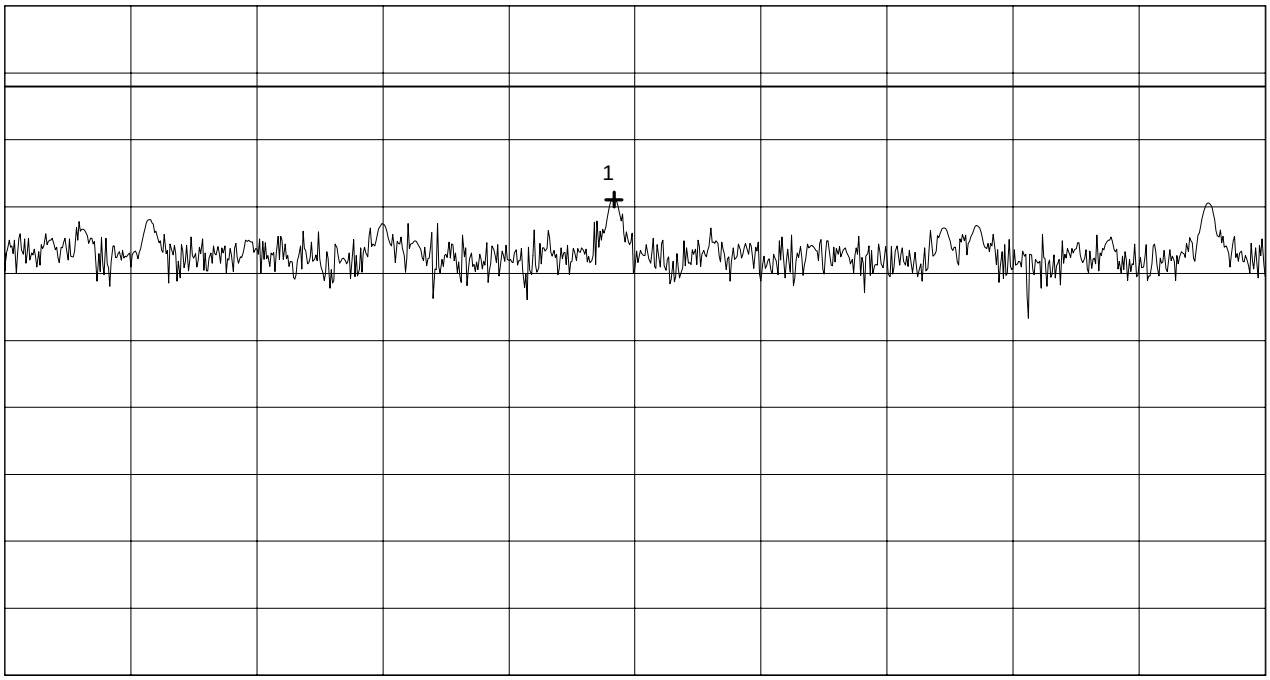
Nr.1	2.410561 GHz	-9.15 dBm
Nr.2	2.412700 GHz	-8.18 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.410411 GHz Stop 2.410711 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

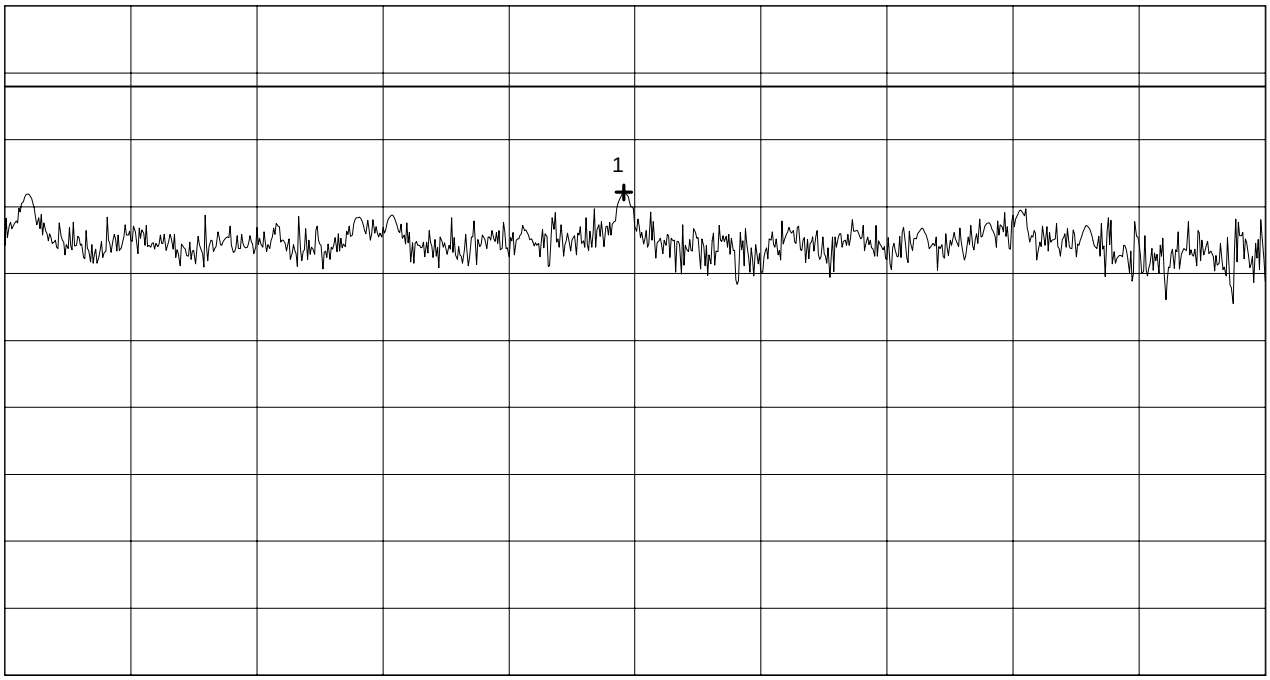
Nr.1	2.410556 GHz	-8.94 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.41255 GHz Stop 2.41285 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

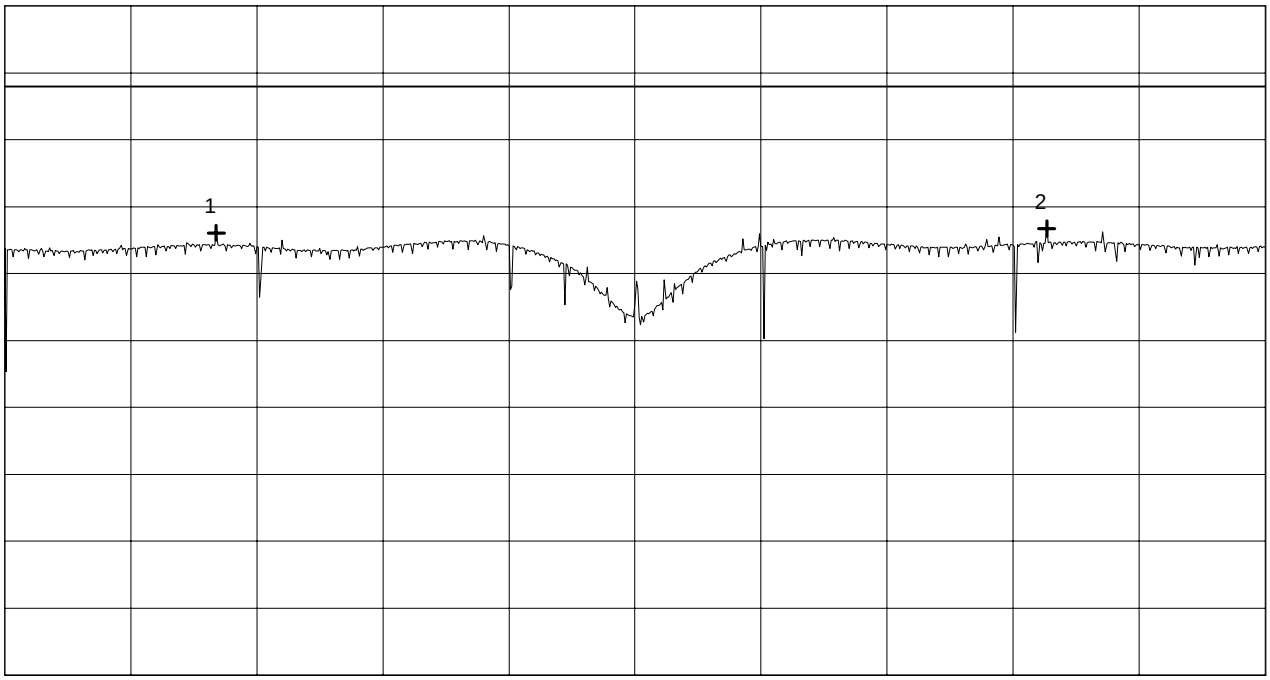
Nr.1	2.412697 GHz	-7.85 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - 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.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4095 GHz Stop 2.4145 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

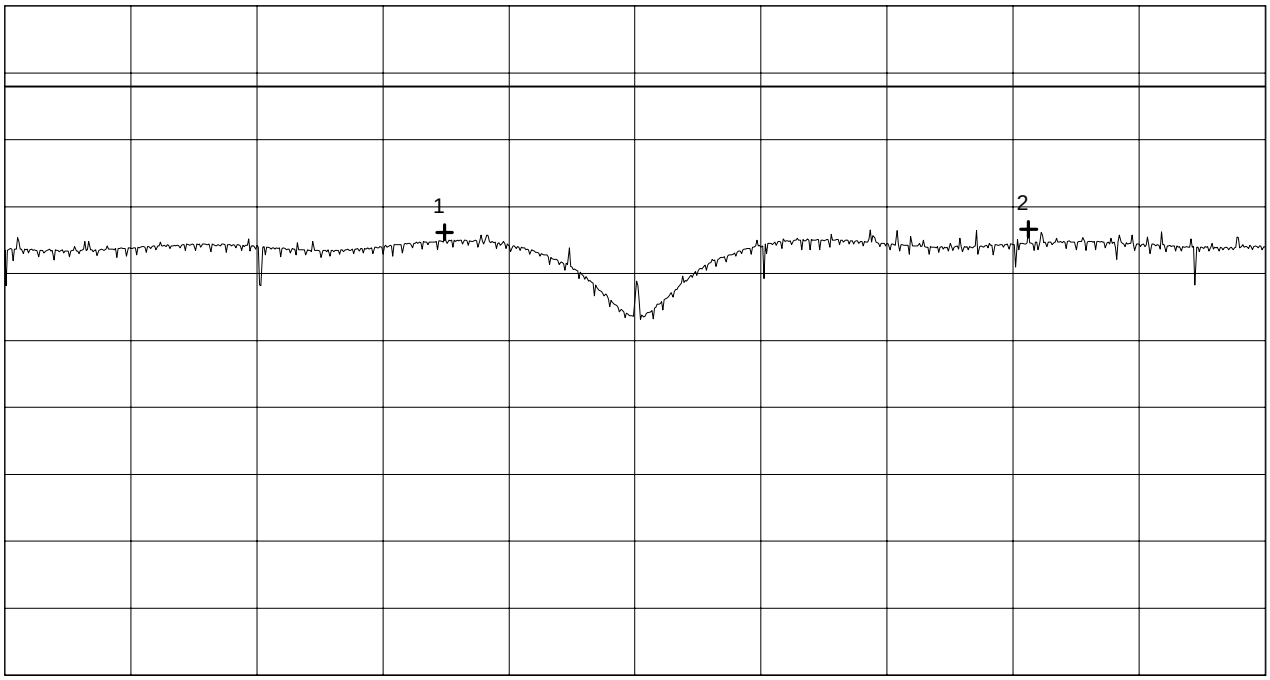
Nr.1	2.410339 GHz	-13.92 dBm
Nr.2	2.413633 GHz	-13.29 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4095 GHz Stop 2.4145 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

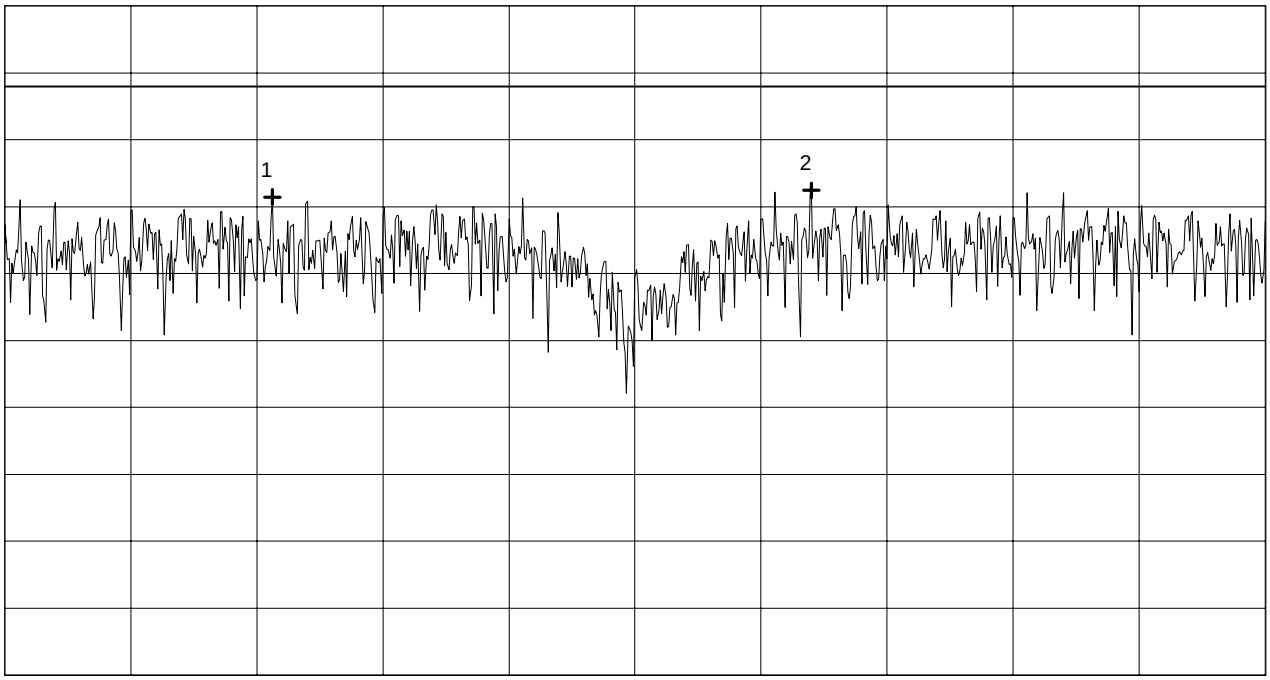
Nr.1	2.411244 GHz	-13.84 dBm
Nr.2	2.413561 GHz	-13.39 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4395 GHz Stop 2.4445 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

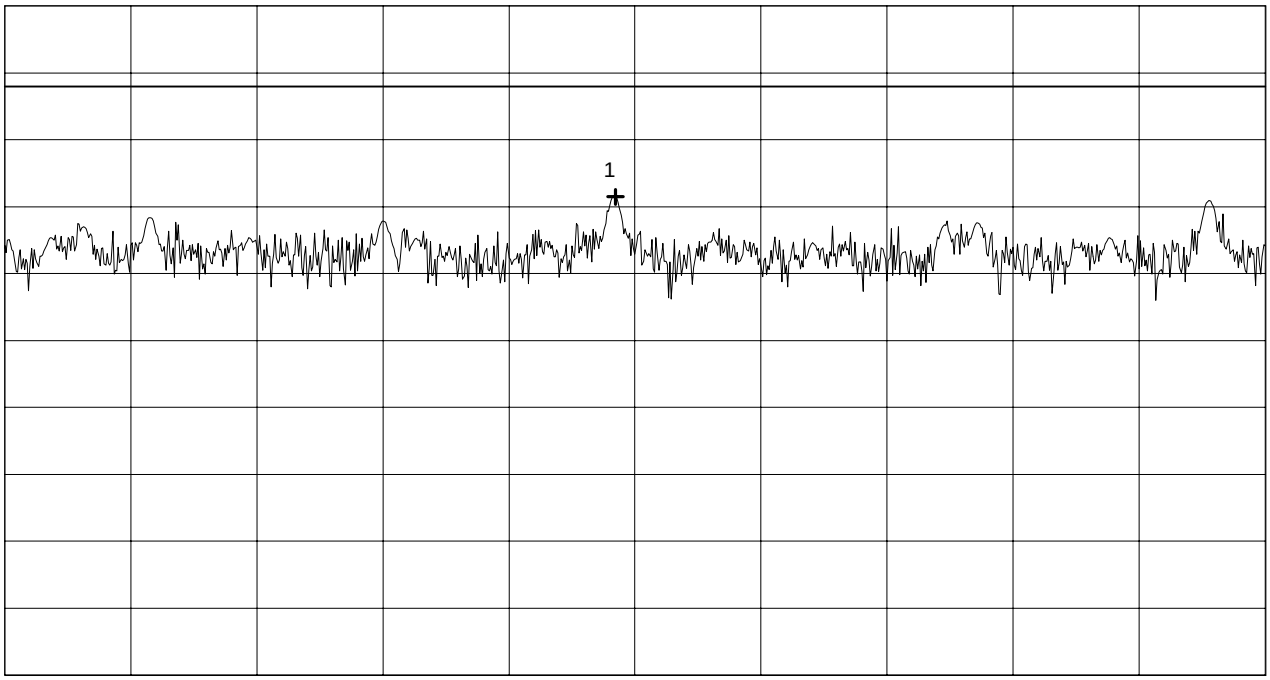
Nr.1	2.440561 GHz	-8.56 dBm
Nr.2	2.442700 GHz	-7.57 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.440411 GHz Stop 2.440711 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

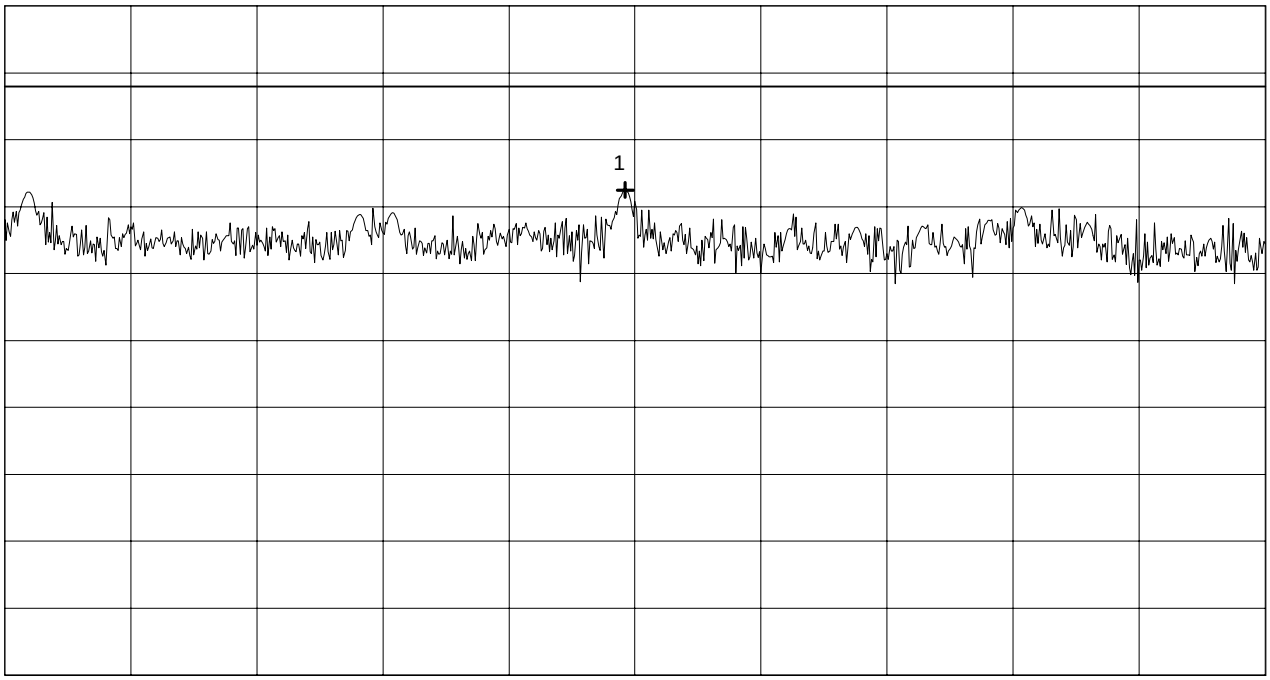
Nr.1	2.440556 GHz	-8.51 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.44255 GHz Stop 2.44285 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

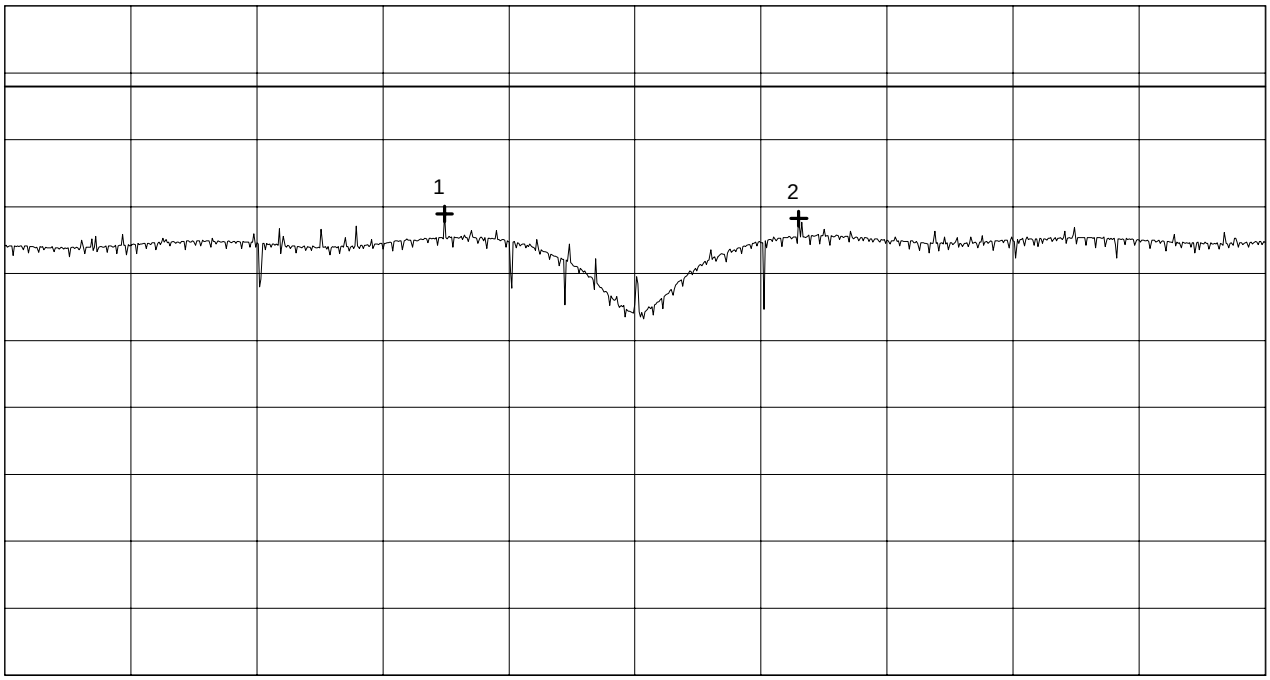
Nr.1	2.442698 GHz	-7.50 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4395 GHz Stop 2.4445 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

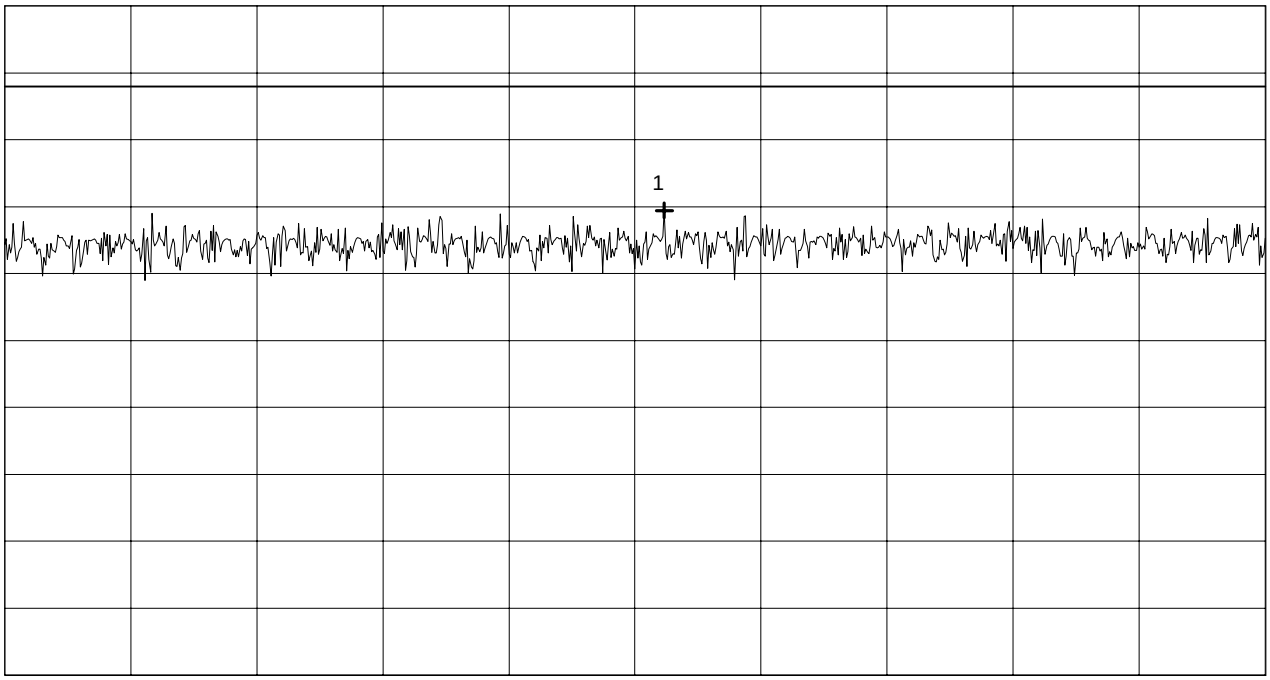
Nr.1	2.441244 GHz	-11.08 dBm
Nr.2	2.442650 GHz	-11.79 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Result: Test passed
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.441094 GHz Stop 2.441394 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

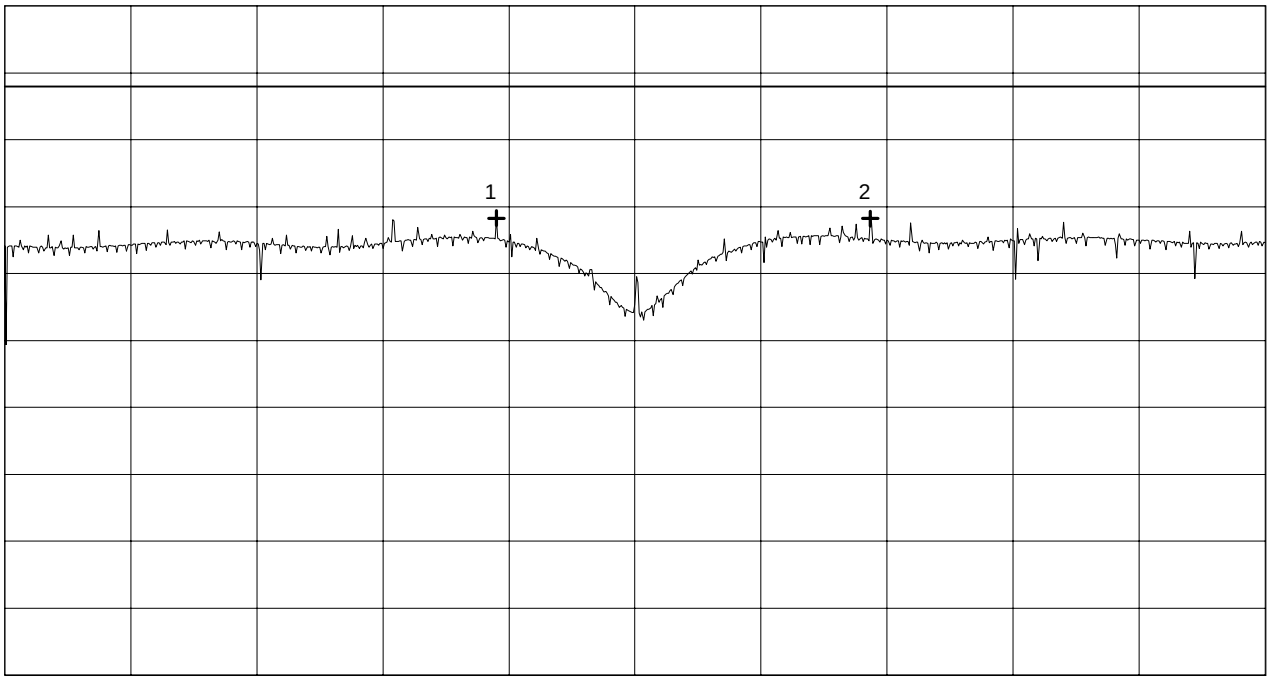
Nr.1	2.441251 GHz	-10.57 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4395 GHz Stop 2.4445 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

Nr.1	2.441450 GHz	-11.74 dBm
Nr.2	2.442933 GHz	-11.79 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

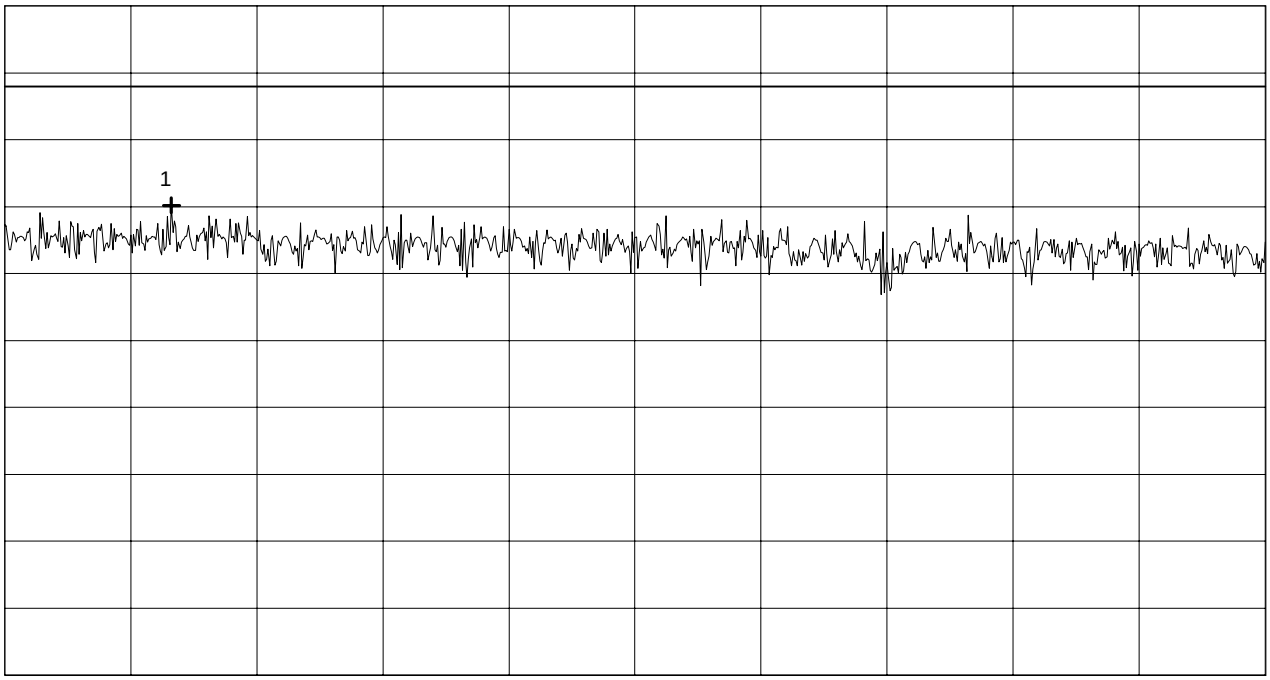
Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Tested on: antenna connector Result: Test passed
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4413 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4416 GHz
SWP 100 s

**** Multi Marker ****

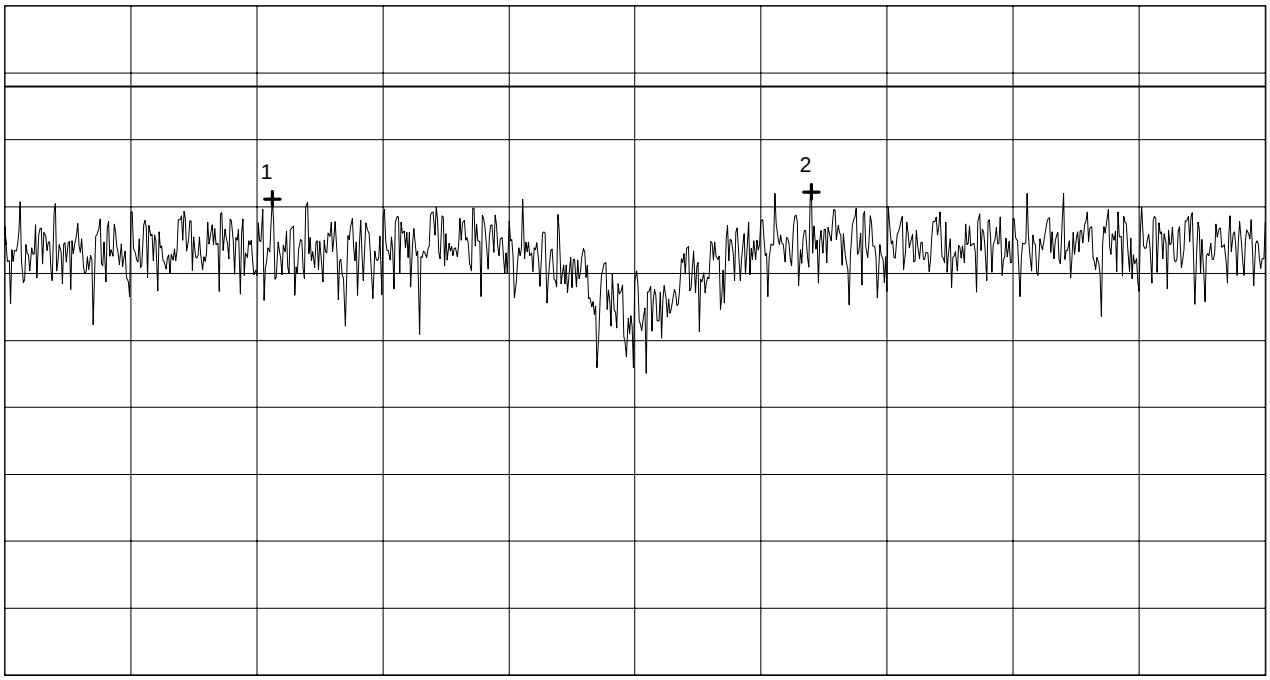
Nr.1	2.441340 GHz	-9.83 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4595 GHz Stop 2.4645 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

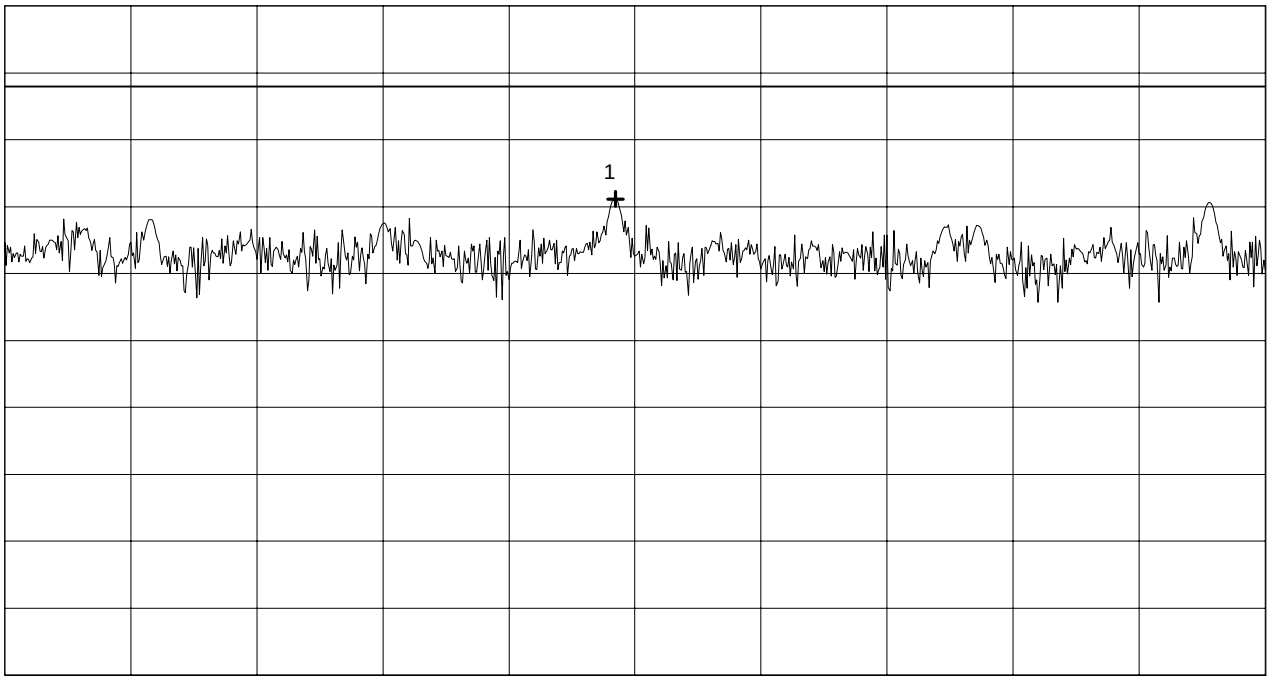
Nr.1	2.460561 GHz	-8.84 dBm
Nr.2	2.462700 GHz	-7.78 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.460411 GHz Stop 2.460711 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

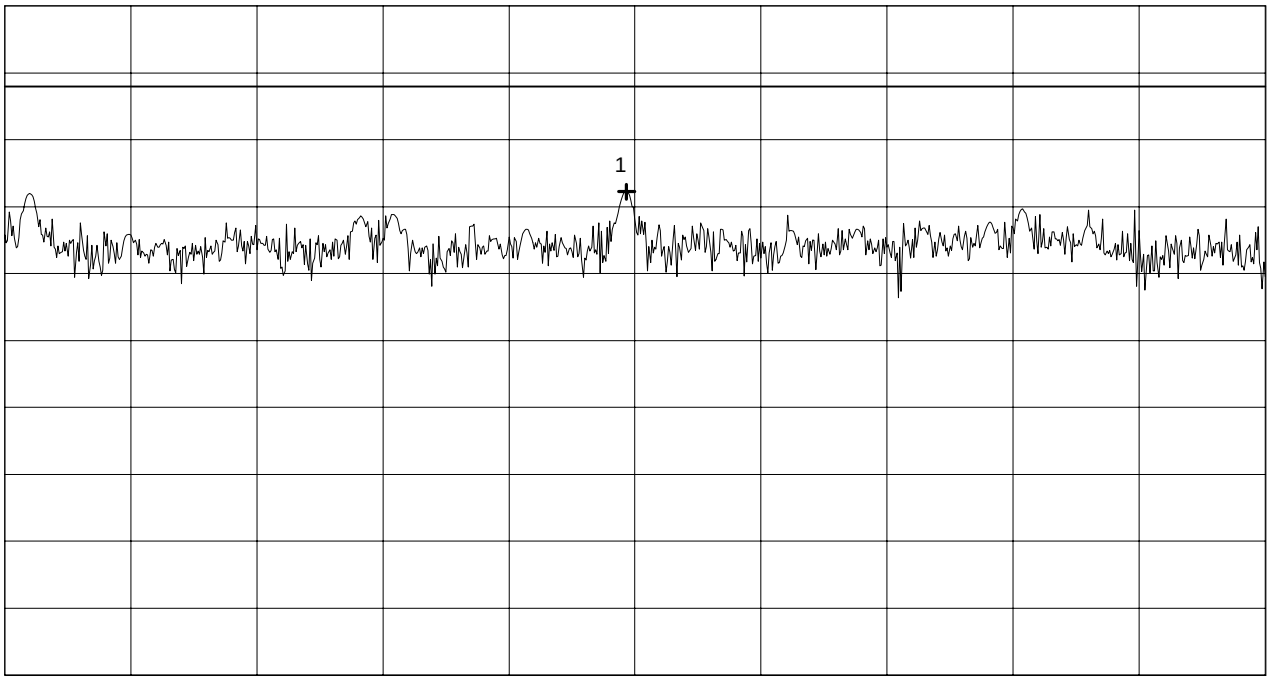
Nr.1	2.460556 GHz	-8.87 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 2 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Result: Test passed Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.46255 GHz Stop 2.46285 GHz
RBW 3 kHz VBW 100 kHz SWP 100 s

**** Multi Marker ****

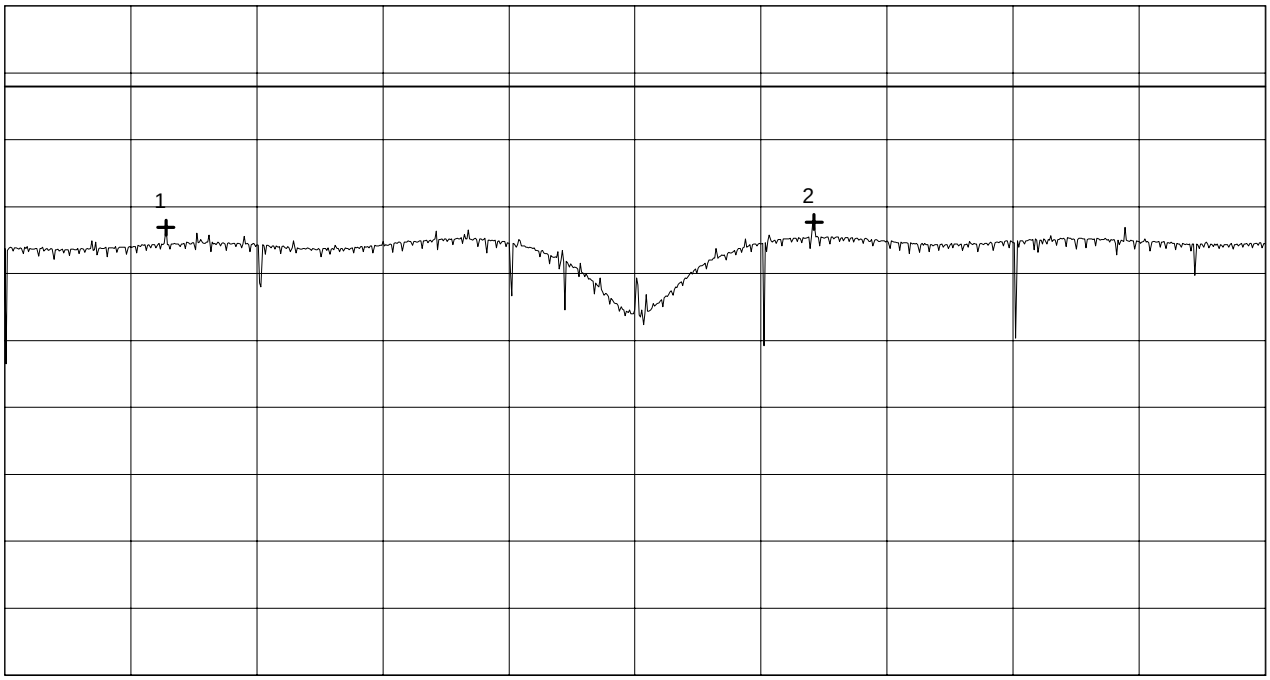
Nr.1	2.462698 GHz	-7.75 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4595 GHz Stop 2.4645 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

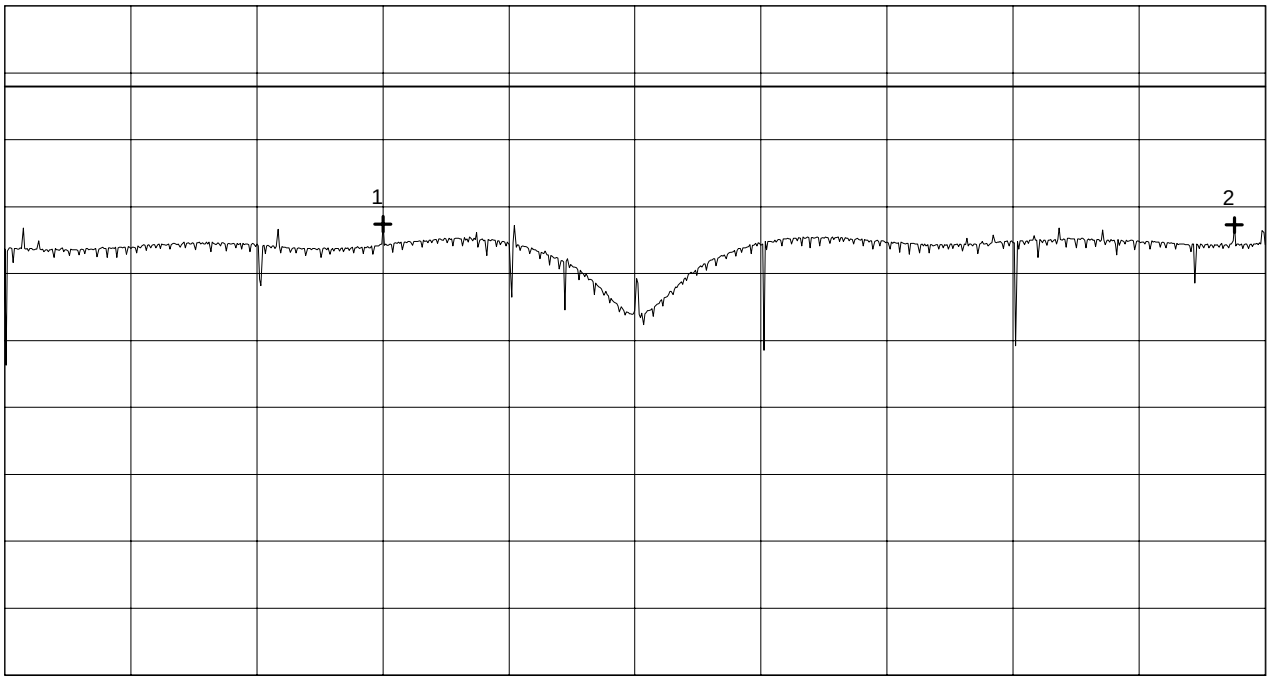
Nr.1	2.460139 GHz	-13.13 dBm
Nr.2	2.462711 GHz	-12.30 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Tested on: antenna connector Note: Prescan for zooming into maximum!
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 20 dBm ATT 20 dB Ref. Offset 21.1 dB
10 dB dB/Div.



Start 2.4595 GHz Stop 2.4645 GHz
RBW 3 kHz VBW 100 kHz SWP 1.68 s

**** Multi Marker ****

Nr.1	2.461000 GHz	-12.63 dBm
Nr.2	2.464378 GHz	-12.75 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/22/1999	

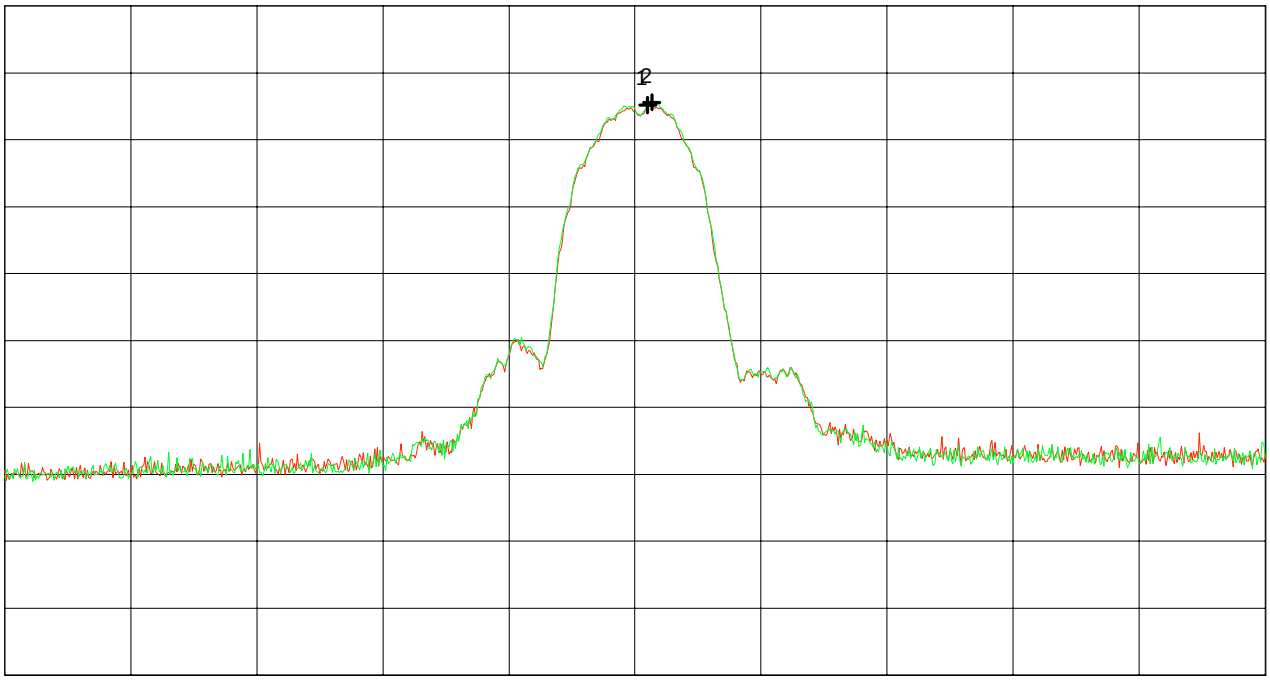
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.412 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.337 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.487 GHz
SWP 20 ms

**** Multi Marker ****

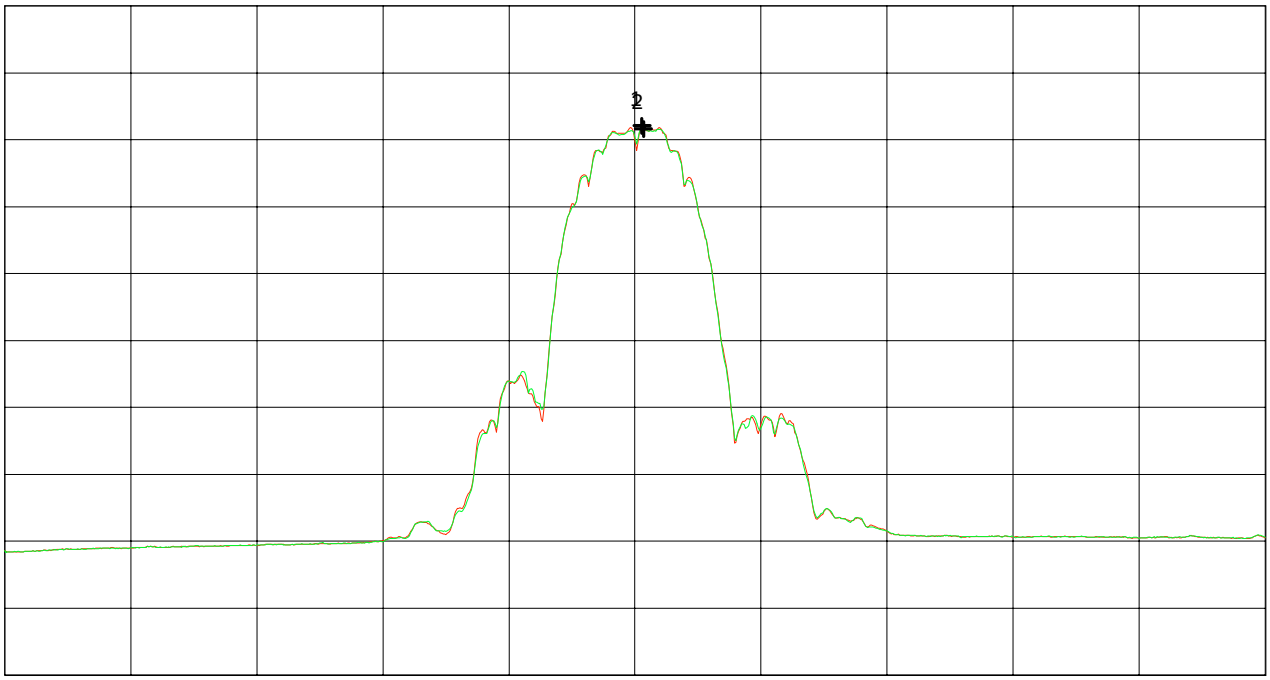
Nr.1	2.413500 GHz	115.18 dBµV	(A)
Nr.2	2.414000 GHz	115.59 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.412 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV ATT 15 dB Ref. Offset 11.1 dB
10 dB dB/Div.



Start 2.337 GHz Stop 2.487 GHz
RBW 1 MHz VBW 100 Hz SWP 4.60 s

**** Multi Marker ****

Nr.1	2.412833 GHz	112.08 dBµV	(A)
Nr.2	2.413000 GHz	111.60 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	Page 66 of 165 pages

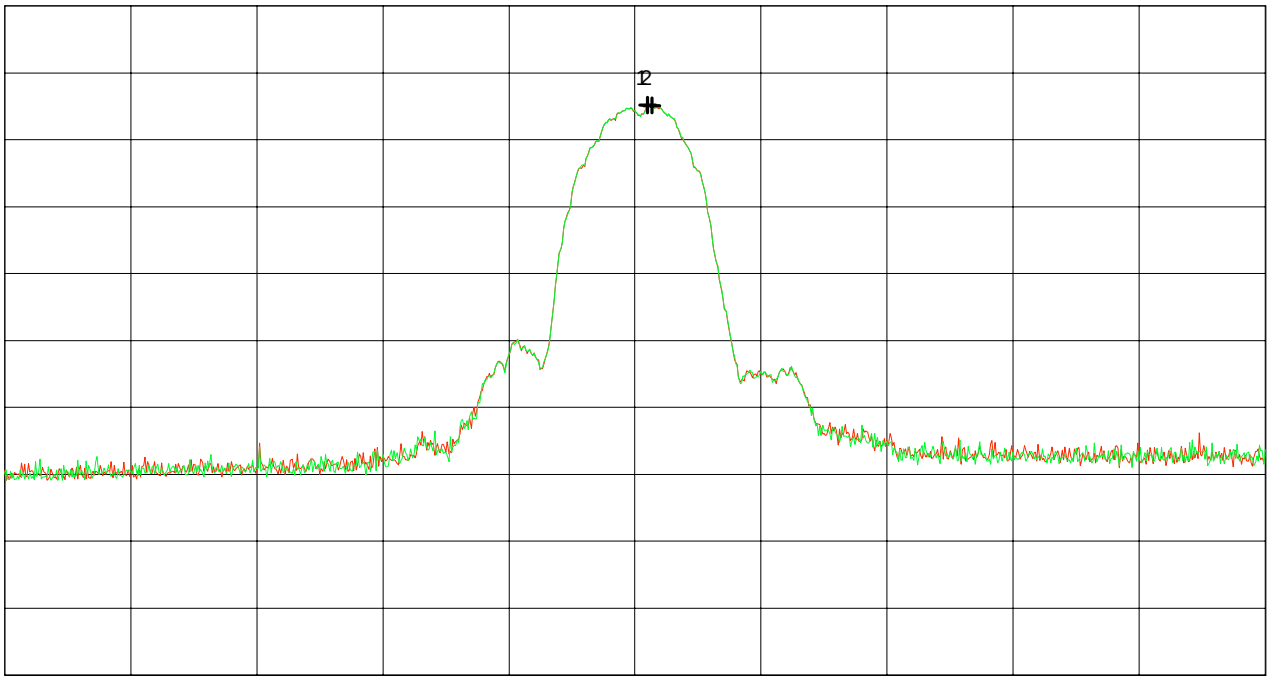
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.412 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.337 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.487 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.413500 GHz	115.18 dBµV	(A)
Nr.2	2.414000 GHz	115.13 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

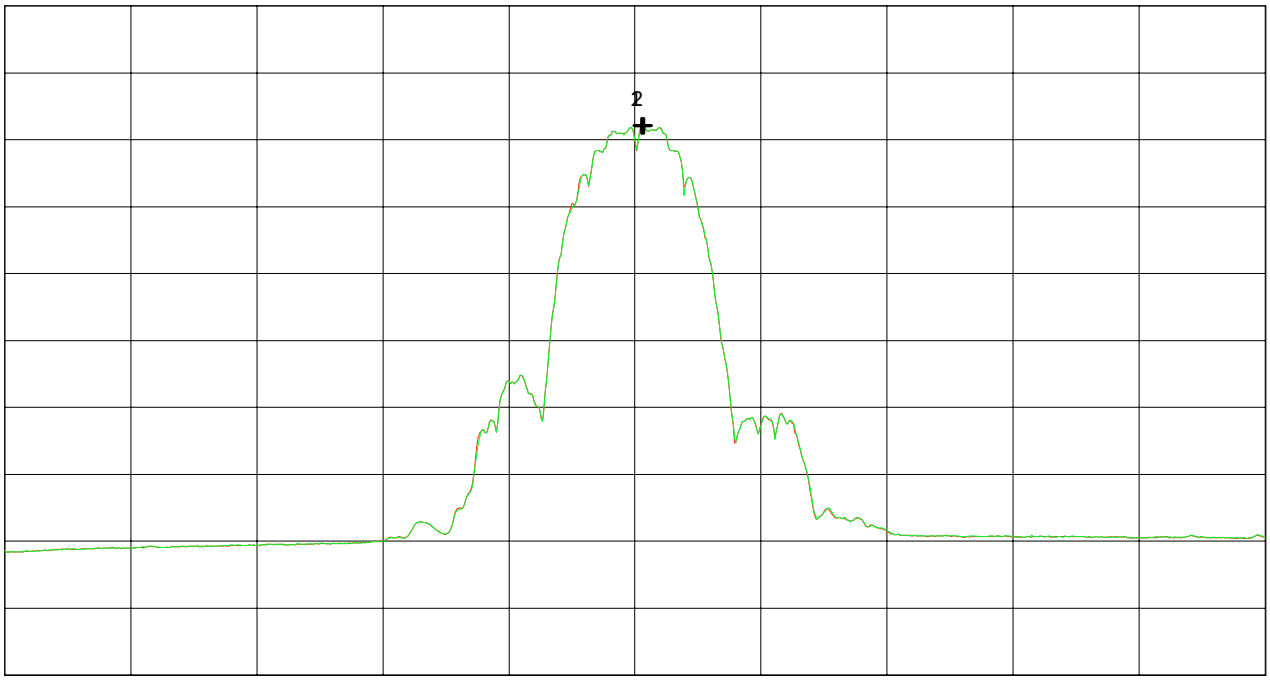
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.412 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.337 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.487 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.412833 GHz	112.08 dBµV	(A)
Nr.2	2.413000 GHz	112.11 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

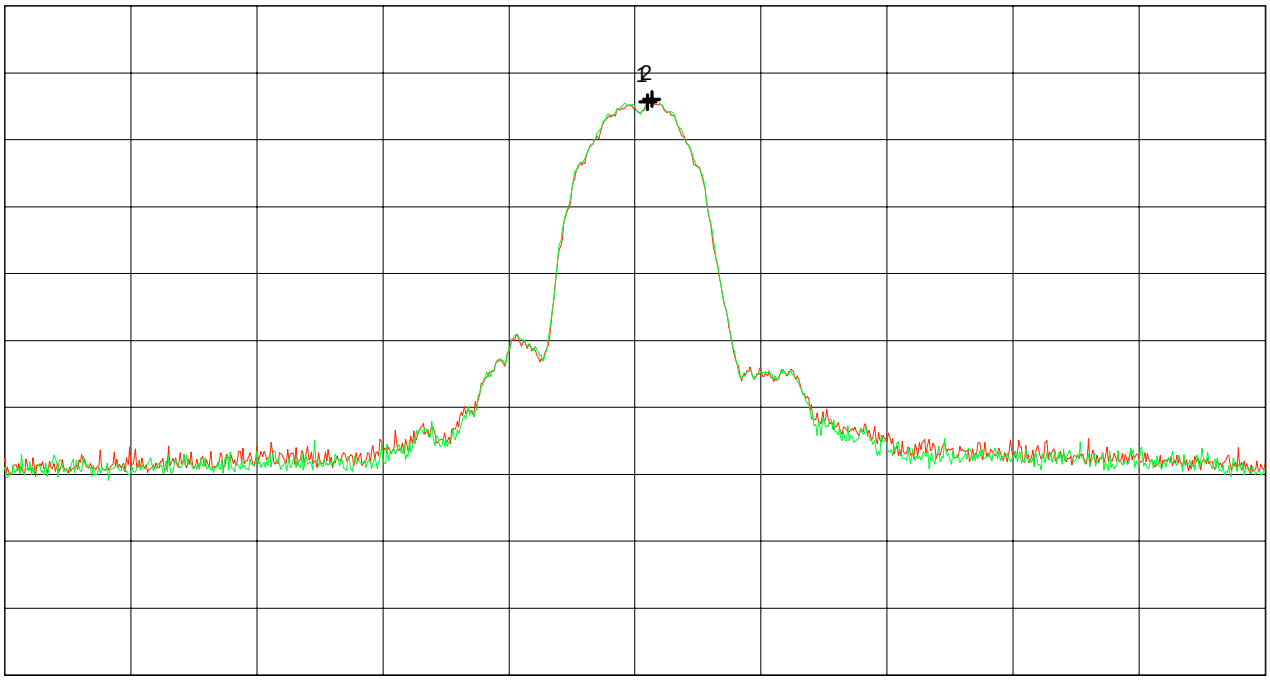
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.442 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.367 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.517 GHz
SWP 20 ms

**** Multi Marker ****

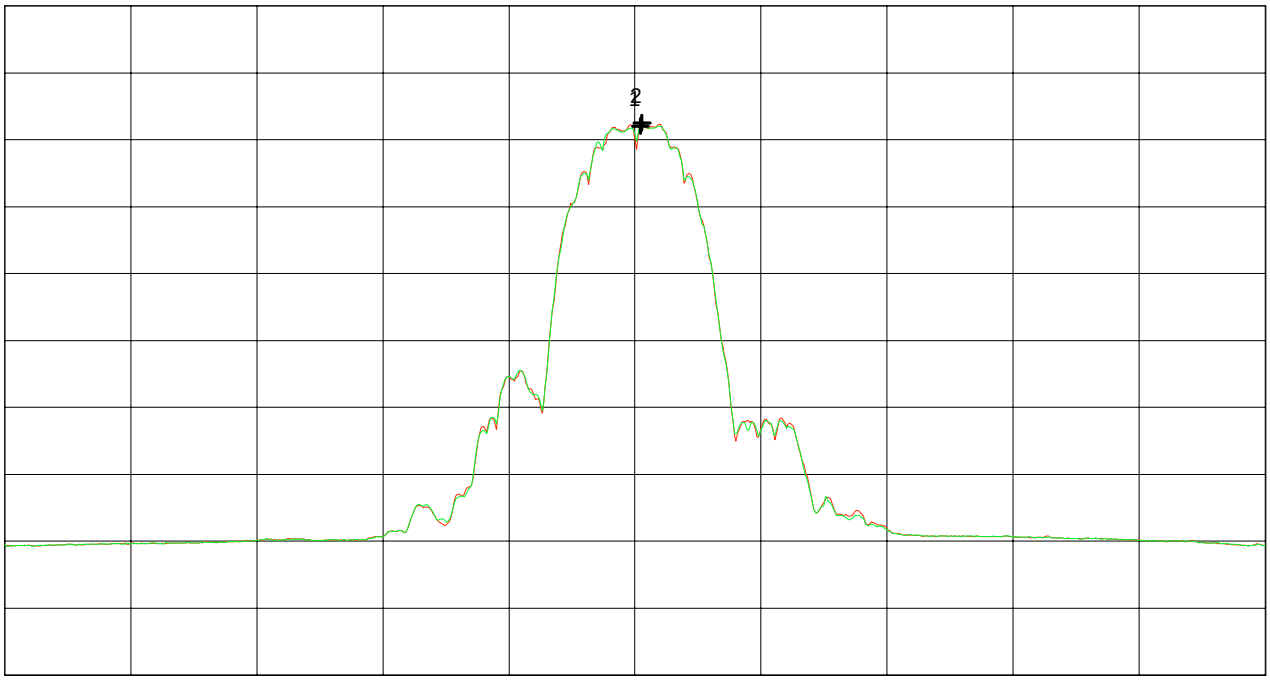
Nr.1	2.443500 GHz	115.64 dBµV	(A)
Nr.2	2.444000 GHz	116.07 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.442 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV ATT 15 dB Ref. Offset 11.1 dB
10 dB dB/Div.



Start 2.367 GHz Stop 2.517 GHz
RBW 1 MHz VBW 100 Hz SWP 4.60 s

**** Multi Marker ****

Nr.1	2.442667 GHz	112.06 dBµV	(B)
Nr.2	2.442833 GHz	112.51 dBµV	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	Page 70 of 165 pages

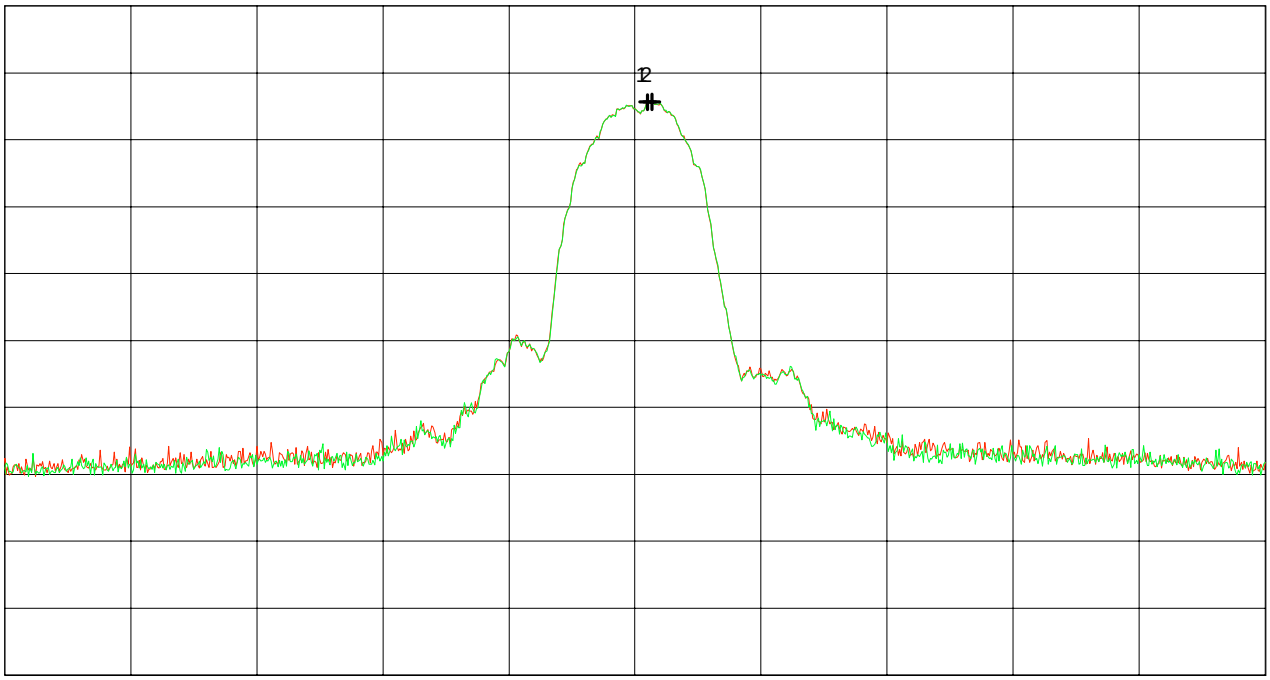
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.442 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.367 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.517 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.443500 GHz	115.64 dBµV	(A)
Nr.2	2.444000 GHz	115.66 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

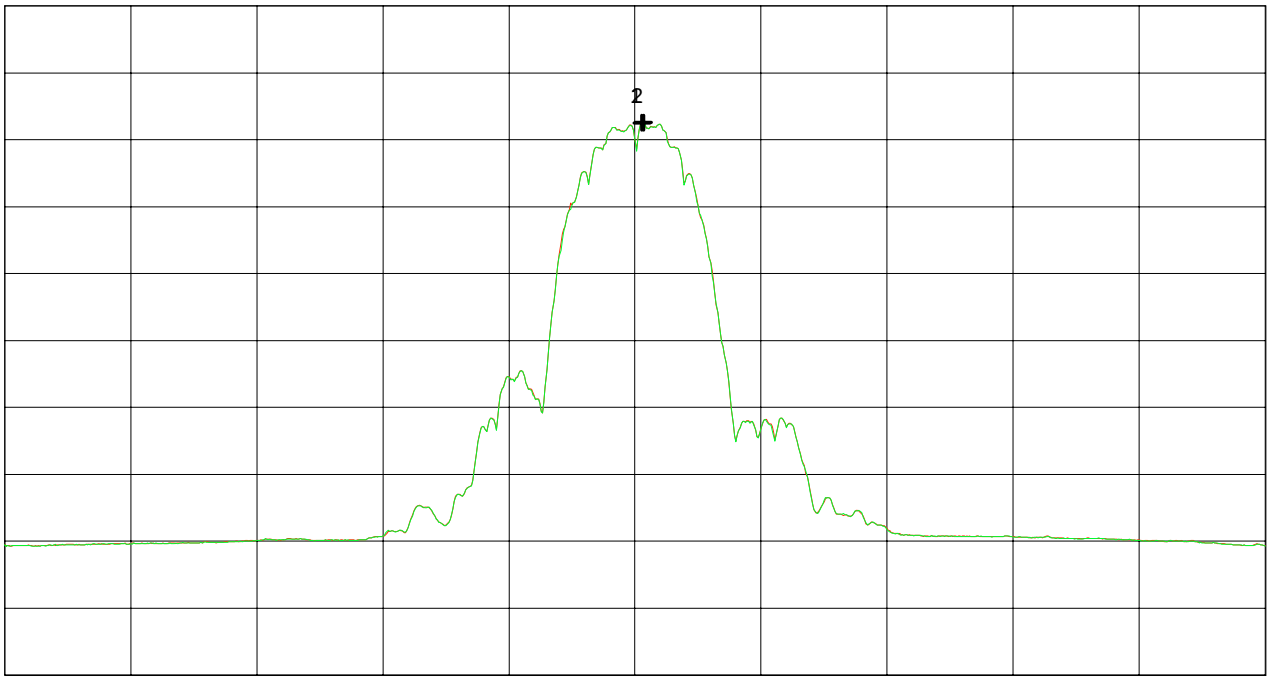
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.442 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.367 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.517 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.442833 GHz	112.51 dBµV	(A)
Nr.2	2.443000 GHz	112.56 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

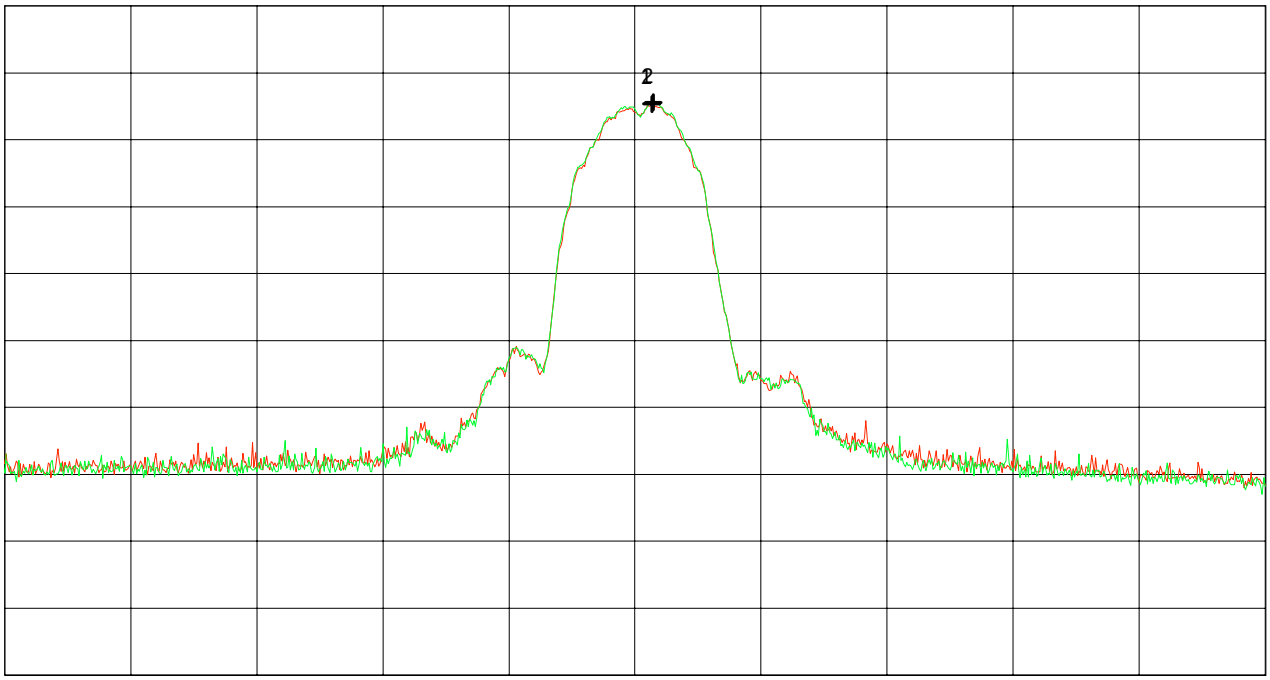
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.462 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.387 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz
SWP 20 ms

**** Multi Marker ****

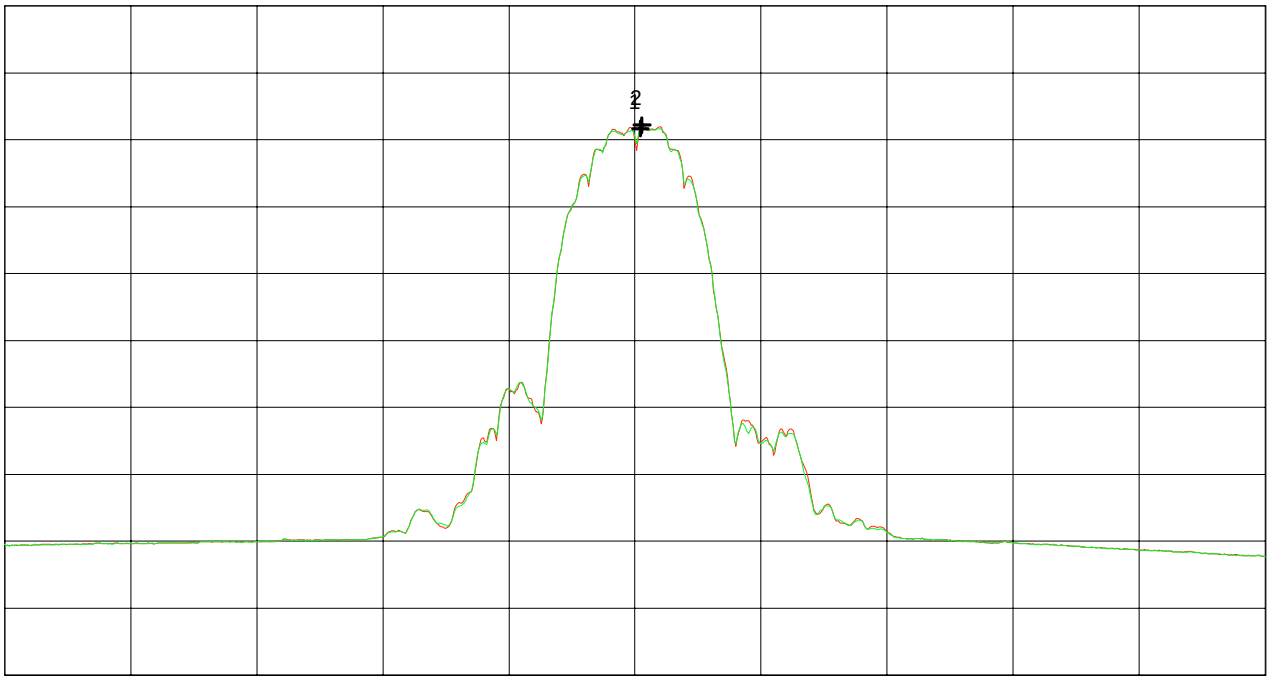
Nr.1	2.464000 GHz	115.36 dBµV	(A)
Nr.2	2.464167 GHz	115.59 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.462 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 2 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV ATT 15 dB Ref. Offset 11.1 dB
10 dB dB/Div.



Start 2.387 GHz Stop 2.537 GHz
RBW 1 MHz VBW 100 Hz SWP 4.60 s

**** Multi Marker ****

Nr.1	2.462667 GHz	111.68 dBµV	(B)
Nr.2	2.462833 GHz	112.18 dBµV	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

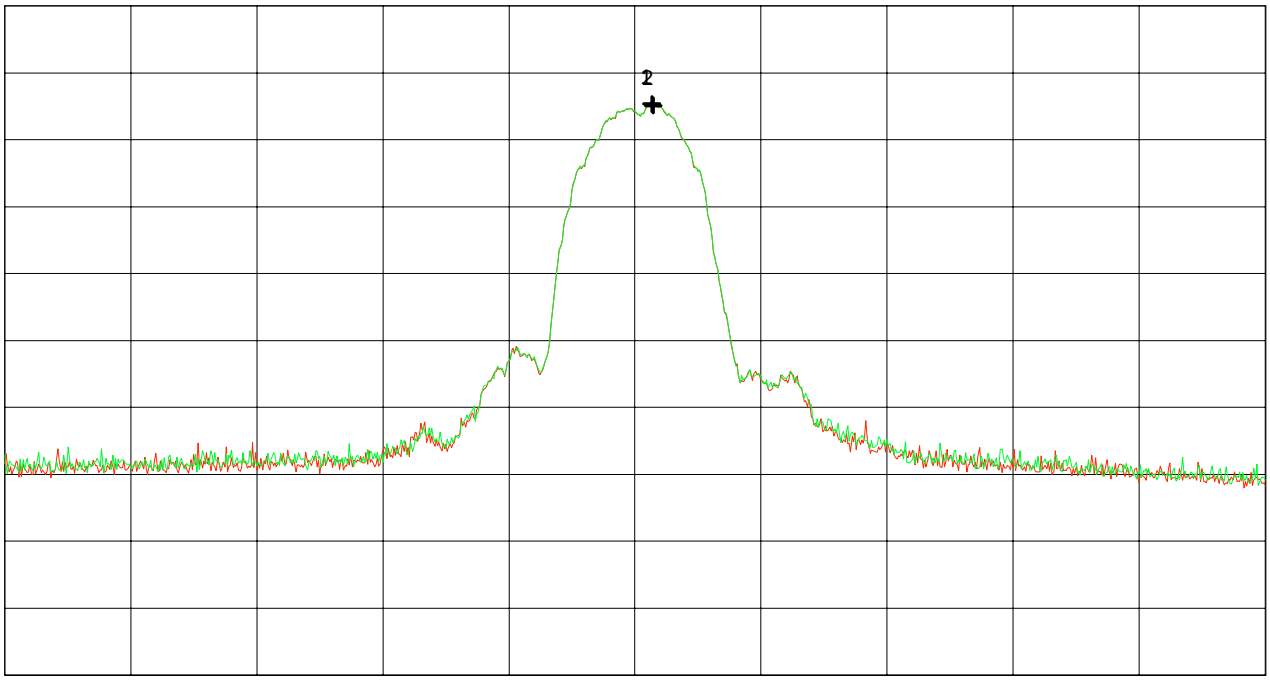
Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.462 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.387 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.537 GHz
SWP 20 ms

**** Multi Marker ****

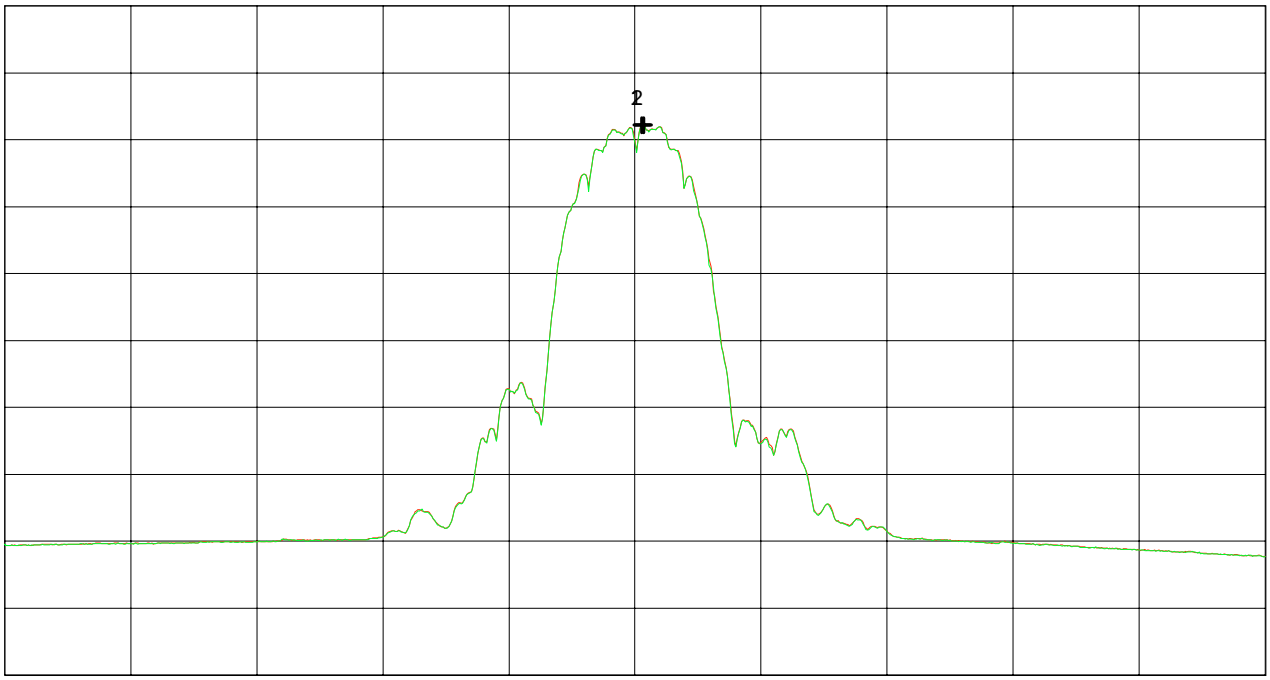
Nr.1	2.464000 GHz	115.36 dBµV	(A)
Nr.2	2.464167 GHz	115.13 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - TX mode with f = 2.462 GHz Channel A (red) = operating with bit rate 11 Mbps Channel B (green) = operating with bit rate 5.5 Mbps Note: Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 130 dBµV ATT 15 dB Ref. Offset 11.1 dB
10 dB dB/Div.



Start 2.387 GHz Stop 2.537 GHz
RBW 1 MHz VBW 100 Hz SWP 4.60 s

**** Multi Marker ****

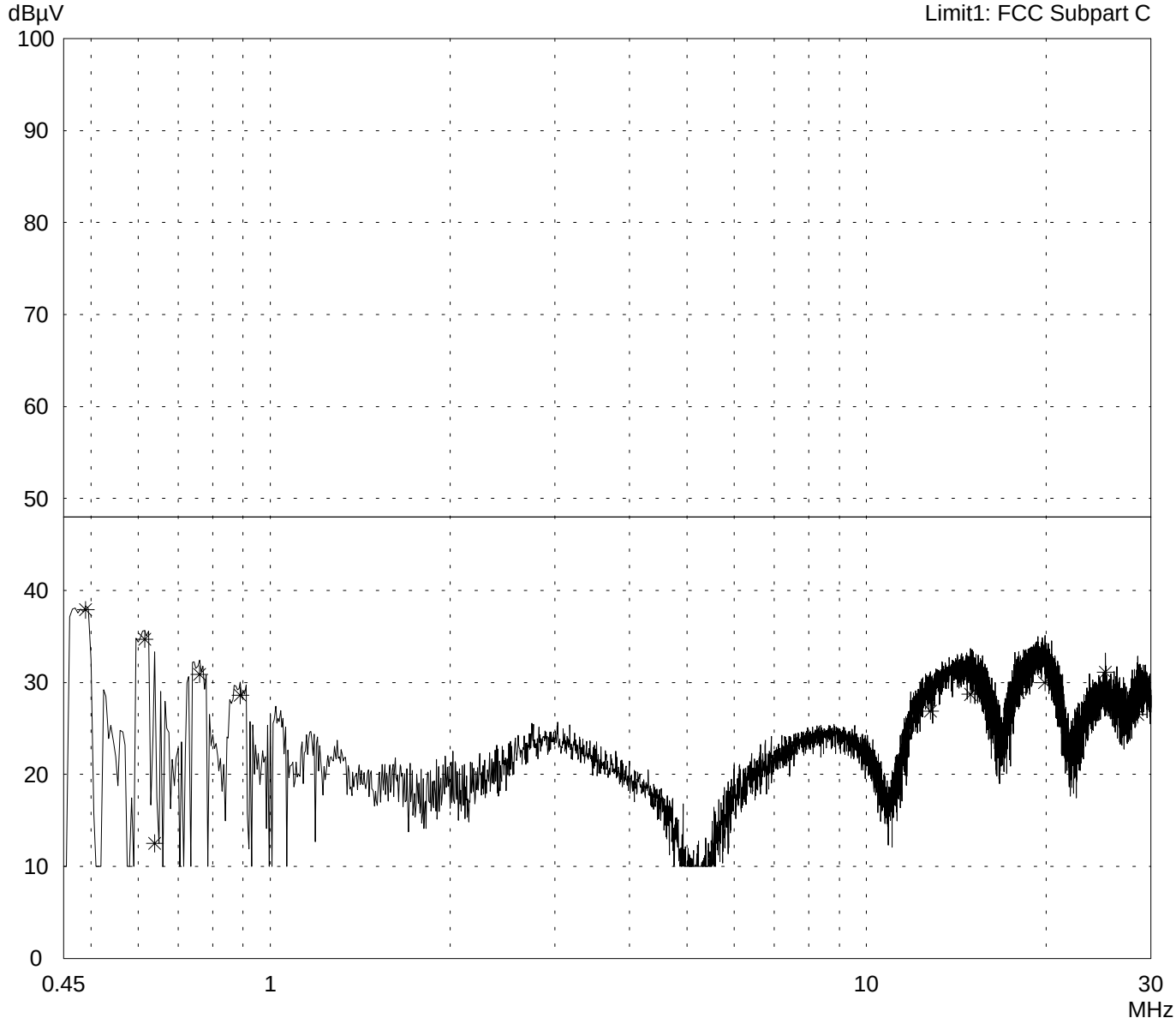
Nr.1	2.462833 GHz	112.18 dBµV	(A)
Nr.2	2.463000 GHz	112.18 dBµV	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1 Page 77 of 165 pages

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.490	37.9		37.9	48.0	
0.615	34.7		34.7	48.0	
0.640	12.5		12.5	48.0	
0.760	30.9		30.9	48.0	
0.890	28.6		28.6	48.0	
12.790	26.9		26.9	48.0	
14.940	28.7		28.7	48.0	
18.005	28.9		28.9	48.0	
19.910	30.0		30.0	48.0	
25.180	31.1		31.1	48.0	
28.505	26.5		26.5	48.0	

Result:
Limit kept

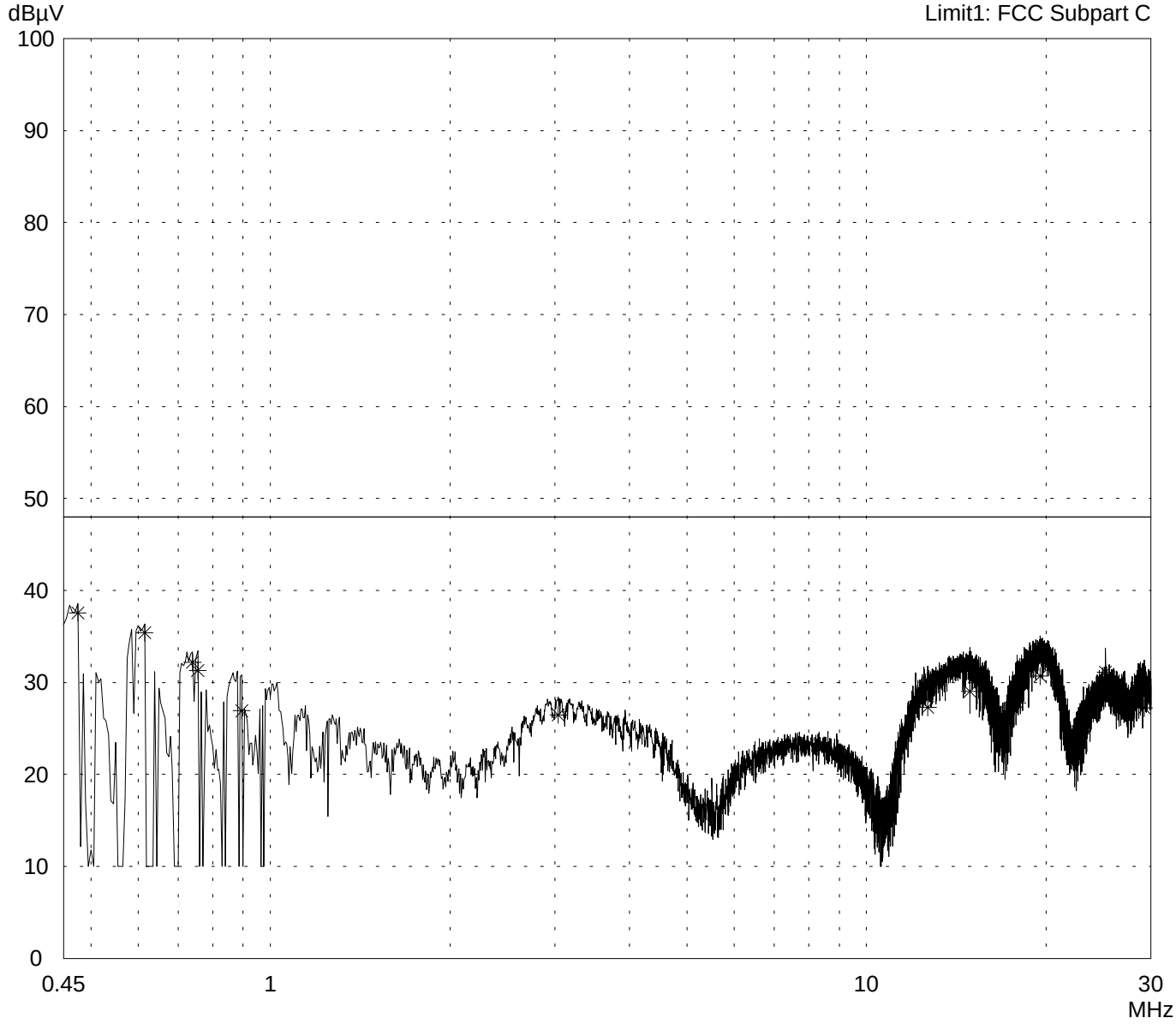
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 03/19/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.475	37.6		37.6	48.0	
0.615	35.4		35.4	48.0	
0.740	32.2		32.2	48.0	
0.755	31.3		31.3	48.0	
0.895	26.9		26.9	48.0	
3.040	26.5		26.5	48.0	
12.675	27.3		27.3	48.0	
14.900	29.1		29.1	48.0	
17.895	27.8		27.8	48.0	
19.545	30.7		30.7	48.0	
25.180	31.1		31.1	48.0	
29.235	27.2		27.2	48.0	

Result:
Limit kept

Project file:
56305-90203-1

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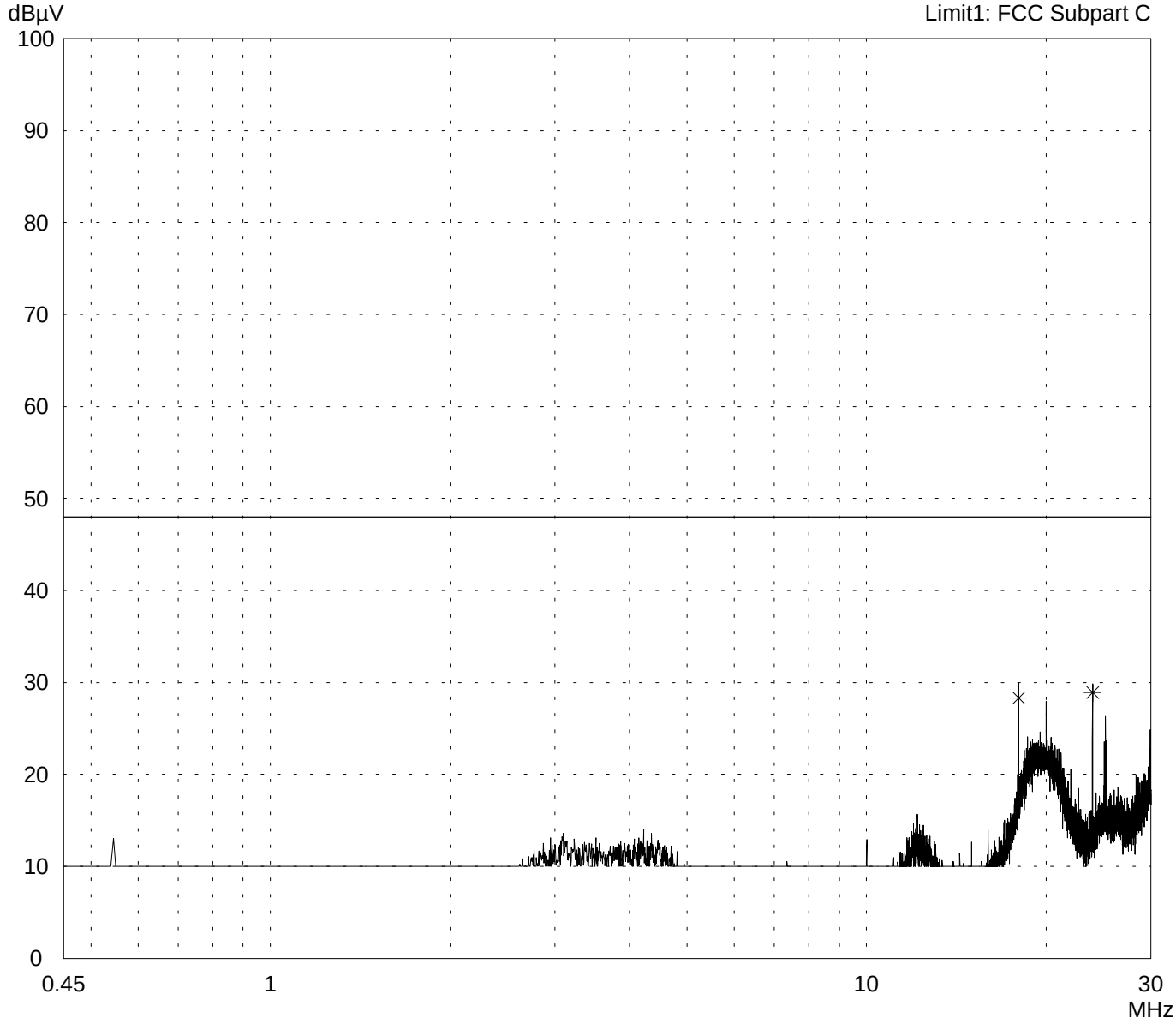
Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
18.005	28.3		28.3	48.0	
23.940	28.9		28.9	48.0	

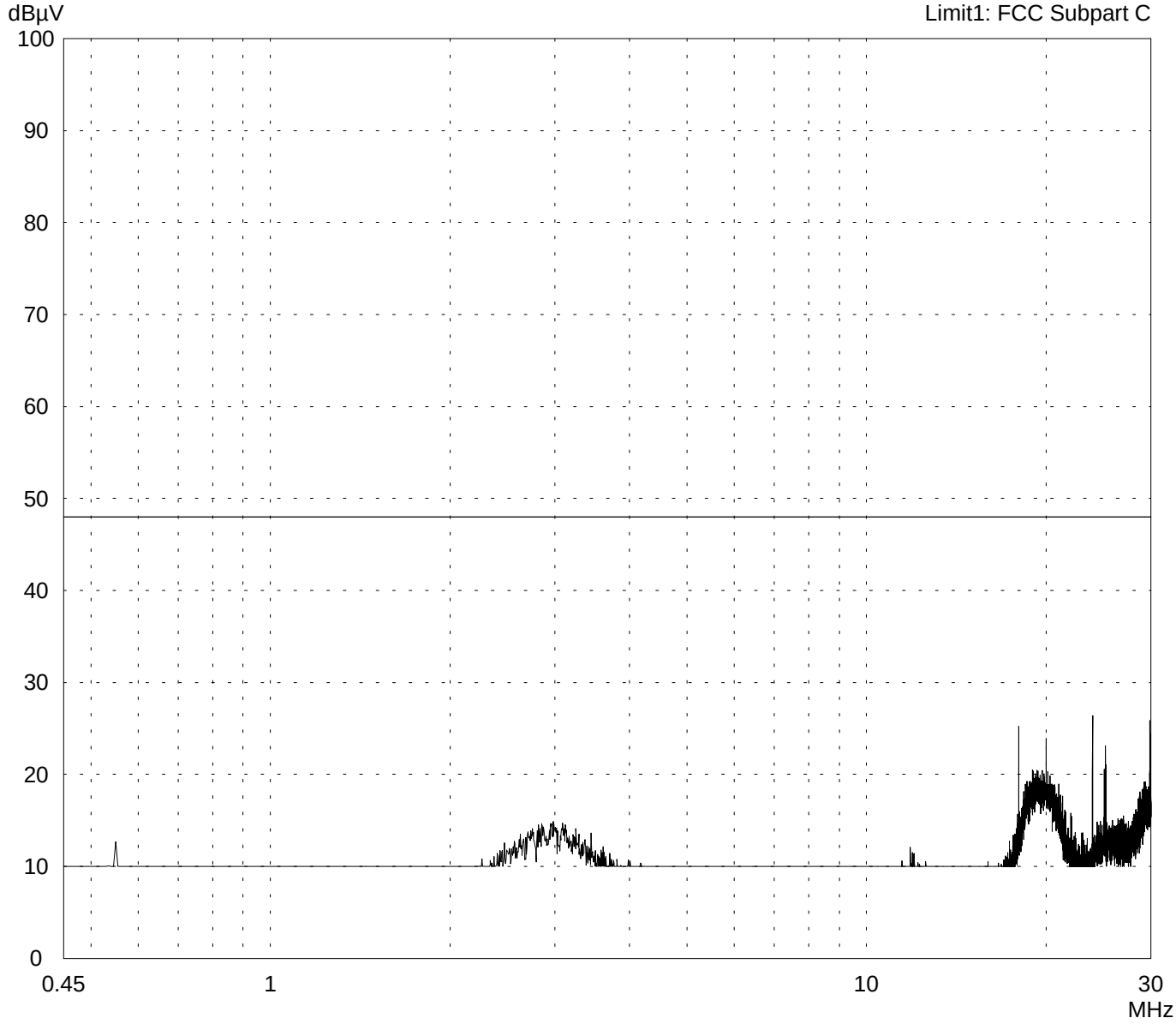
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 03/19/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
no results					

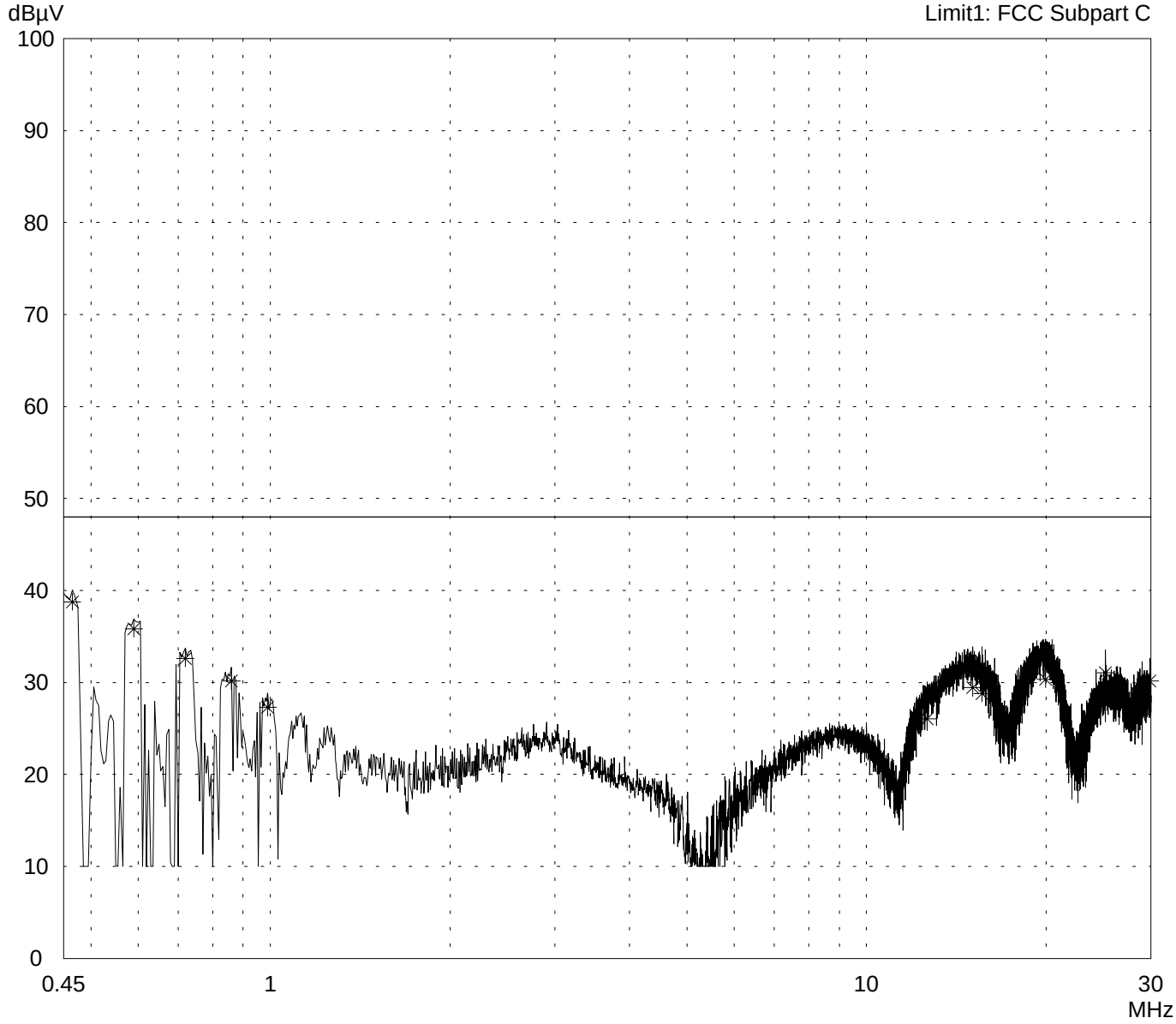
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 03/19/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.465	38.8		38.8	48.0	
0.590	35.9		35.9	48.0	
0.720	32.6		32.6	48.0	
0.860	30.2		30.2	48.0	
0.990	27.3		27.3	48.0	
12.640	26.1		26.1	48.0	
15.075	29.4		29.4	48.0	
15.625	28.8		28.8	48.0	
19.970	30.4		30.4	48.0	
25.180	31.0		31.0	48.0	
29.900	30.2		30.2	48.0	

Result:
Limit kept

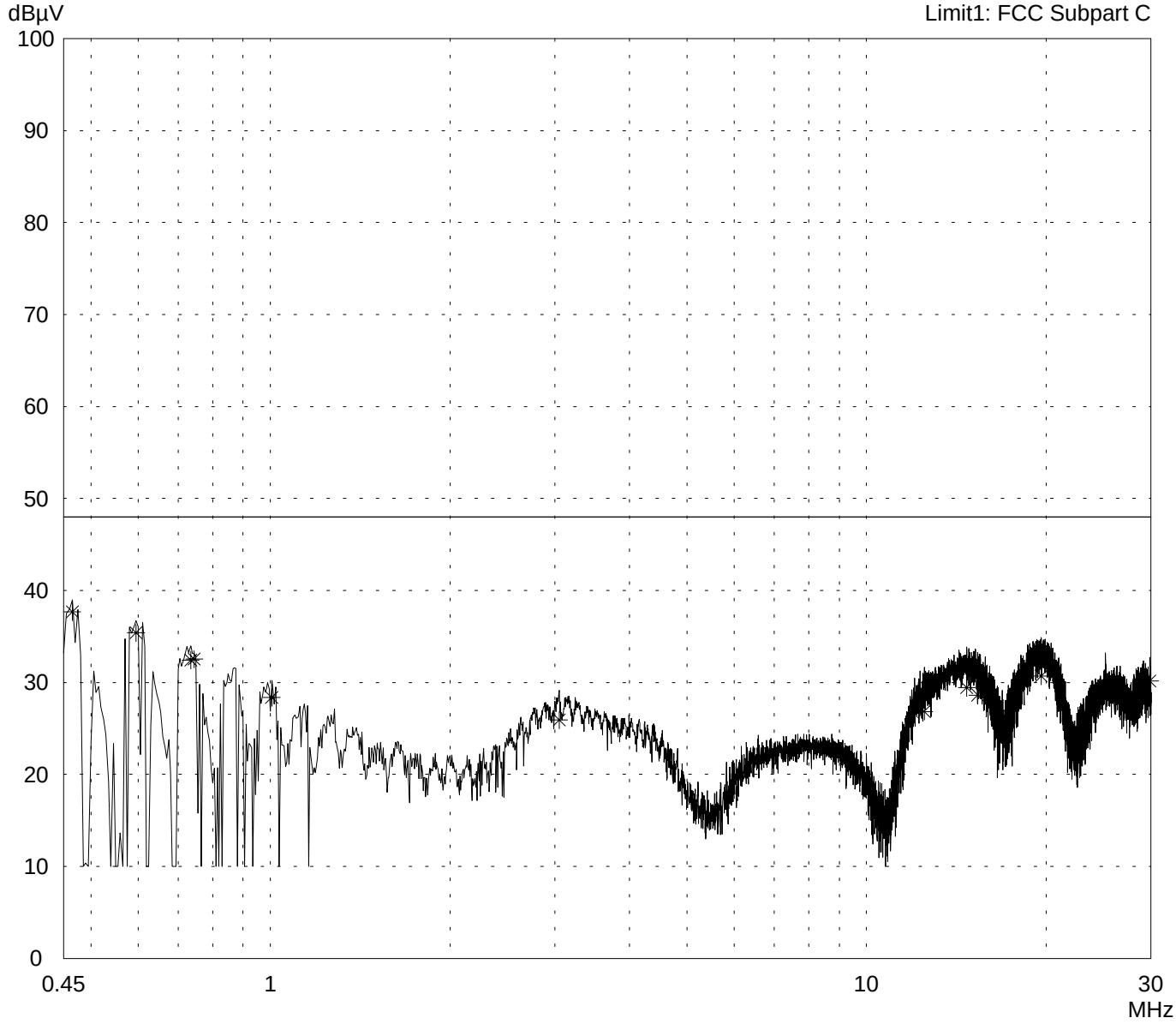
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 03/19/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.465	37.7		37.7	48.0	
0.595	35.4		35.4	48.0	
0.735	32.4		32.4	48.0	
0.745	32.5		32.5	48.0	
1.005	28.4		28.4	48.0	
3.050	25.9		25.9	48.0	
12.495	26.9		26.9	48.0	
14.740	29.4		29.4	48.0	
15.350	28.6		28.6	48.0	
19.630	30.7		30.7	48.0	
25.175	29.8		29.8	48.0	
29.900	30.2		30.2	48.0	

Result:
Limit kept

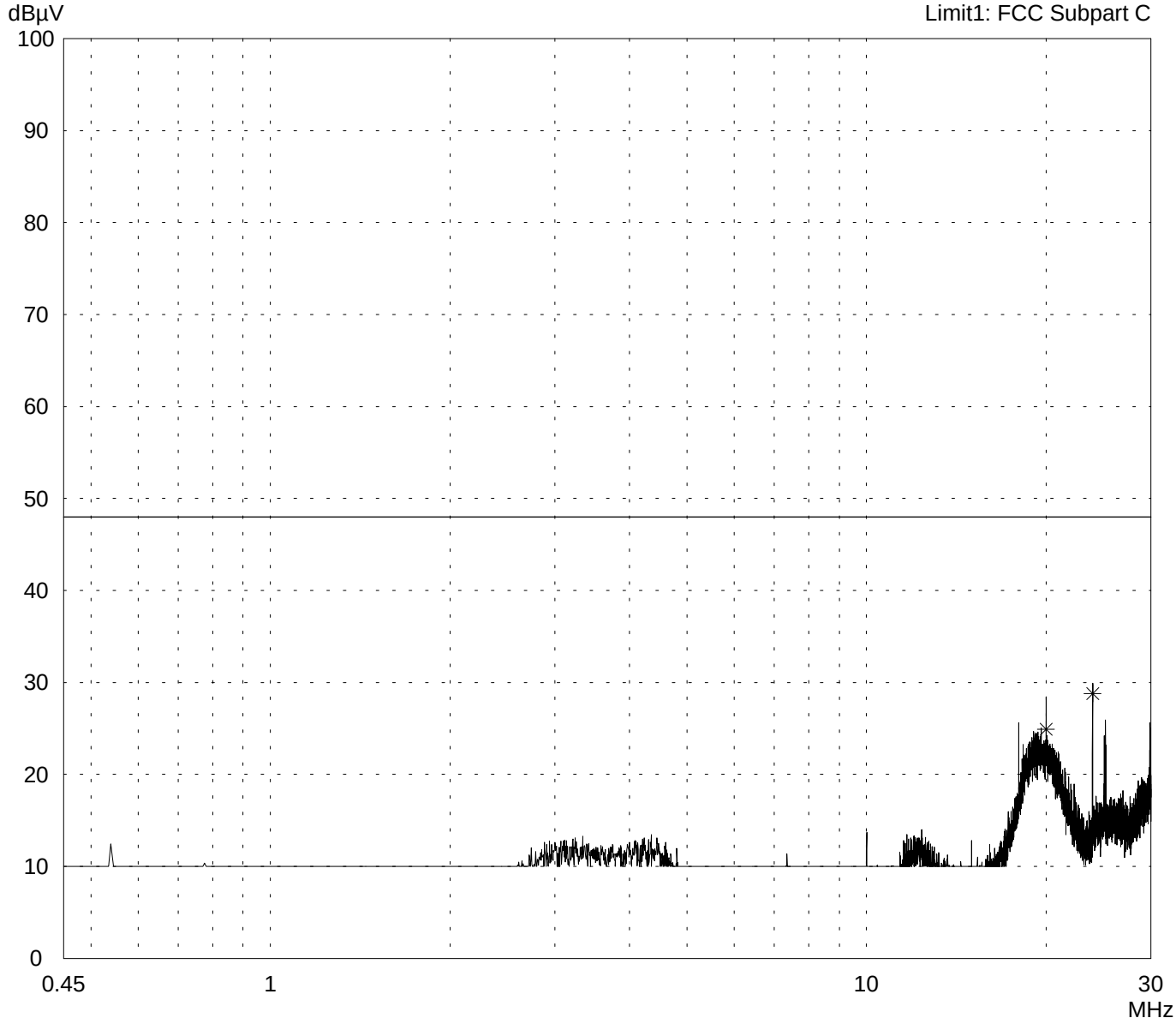
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
20.005	24.9		24.9	48.0	
23.940	28.8		28.8	48.0	

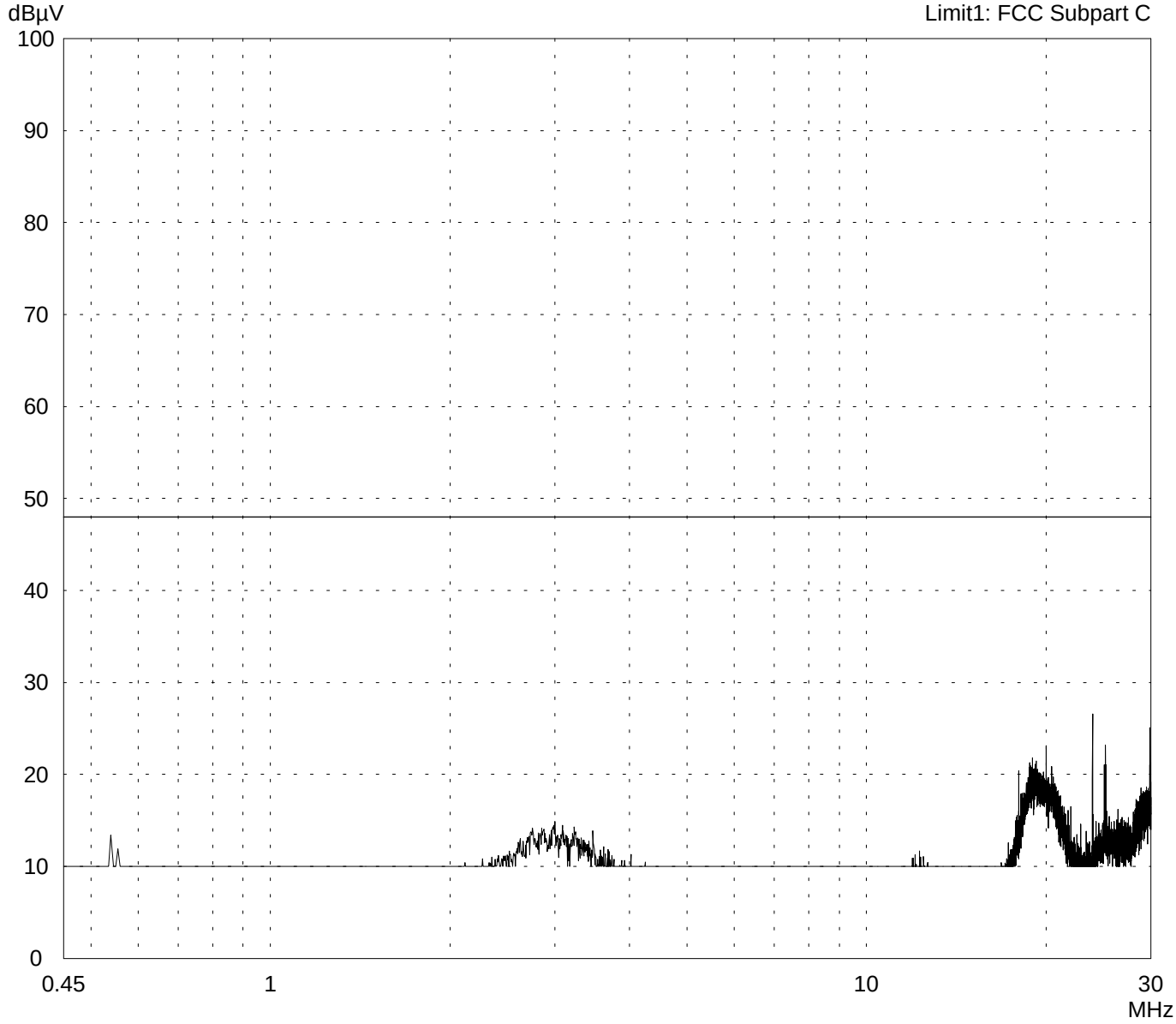
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 03/19/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
no results					

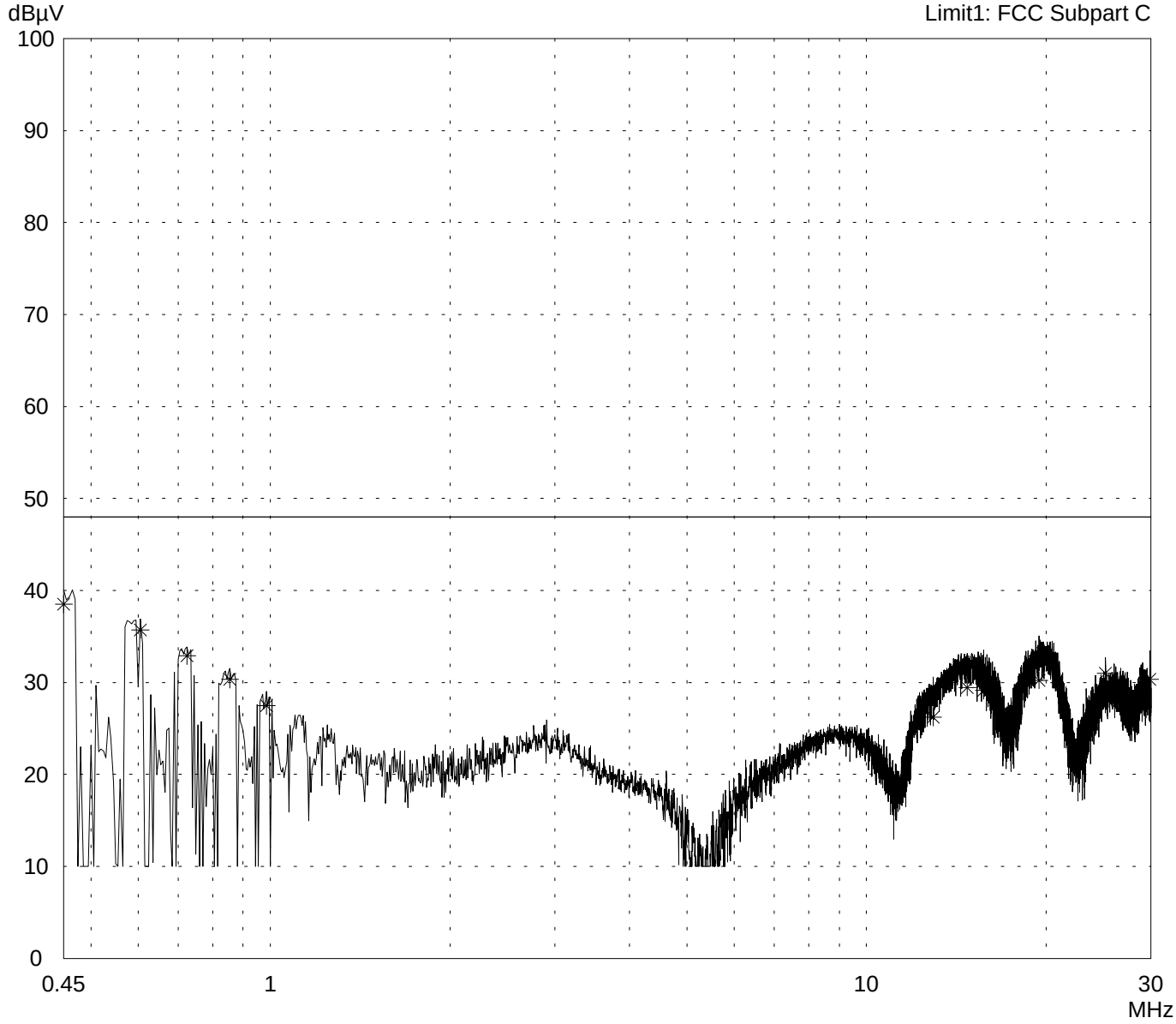
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.450	38.5		38.5	48.0	
0.605	35.7		35.7	48.0	
0.725	32.9		32.9	48.0	
0.855	30.3		30.3	48.0	
0.985	27.5		27.5	48.0	
12.930	26.2		26.2	48.0	
14.760	29.5		29.5	48.0	
15.735	29.1		29.1	48.0	
19.465	30.2		30.2	48.0	
25.180	31.0		31.0	48.0	
29.900	30.3		30.3	48.0	

Result:
Limit kept

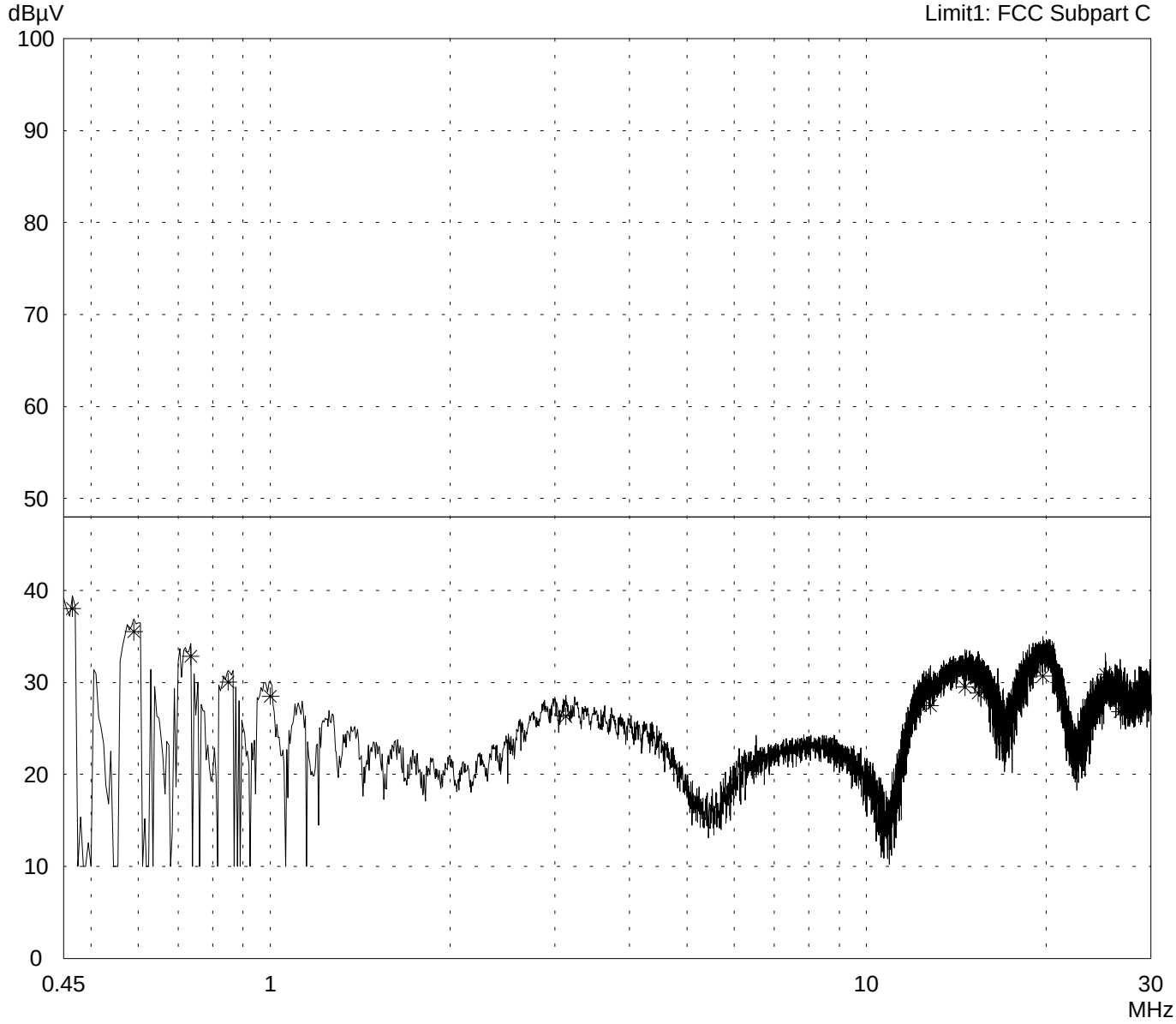
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.465	38.1		38.1	48.0	
0.590	35.5		35.5	48.0	
0.735	32.8		32.8	48.0	
0.850	30.1		30.1	48.0	
1.000	28.5		28.5	48.0	
3.130	26.3		26.3	48.0	
12.790	27.5		27.5	48.0	
14.635	29.5		29.5	48.0	
15.400	28.9		28.9	48.0	
19.780	30.7		30.7	48.0	
25.180	30.9		30.9	48.0	
26.620	26.8		26.8	48.0	

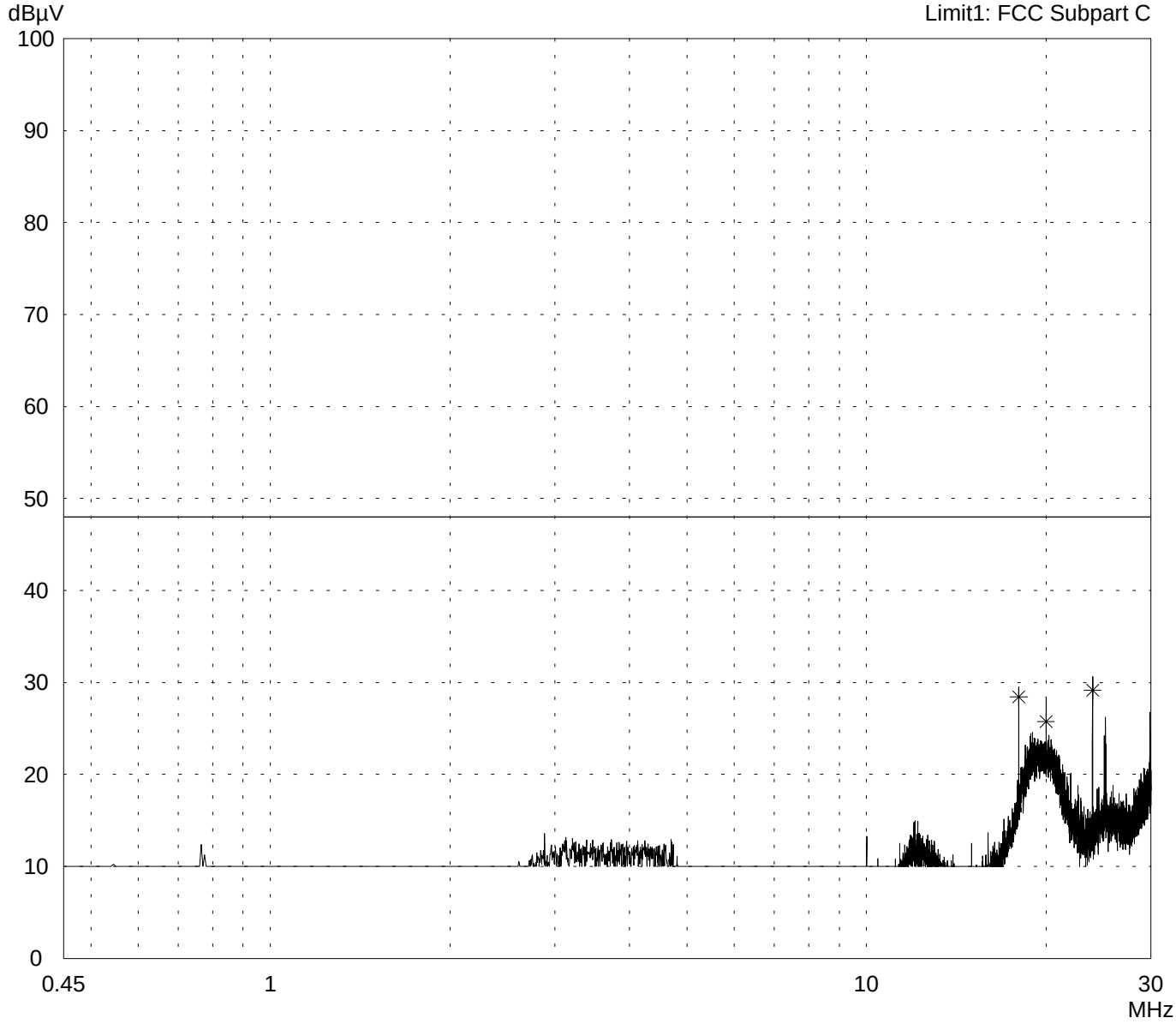
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
18.005	28.4		28.4	48.0	
20.005	25.7		25.7	48.0	
23.940	29.1		29.1	48.0	

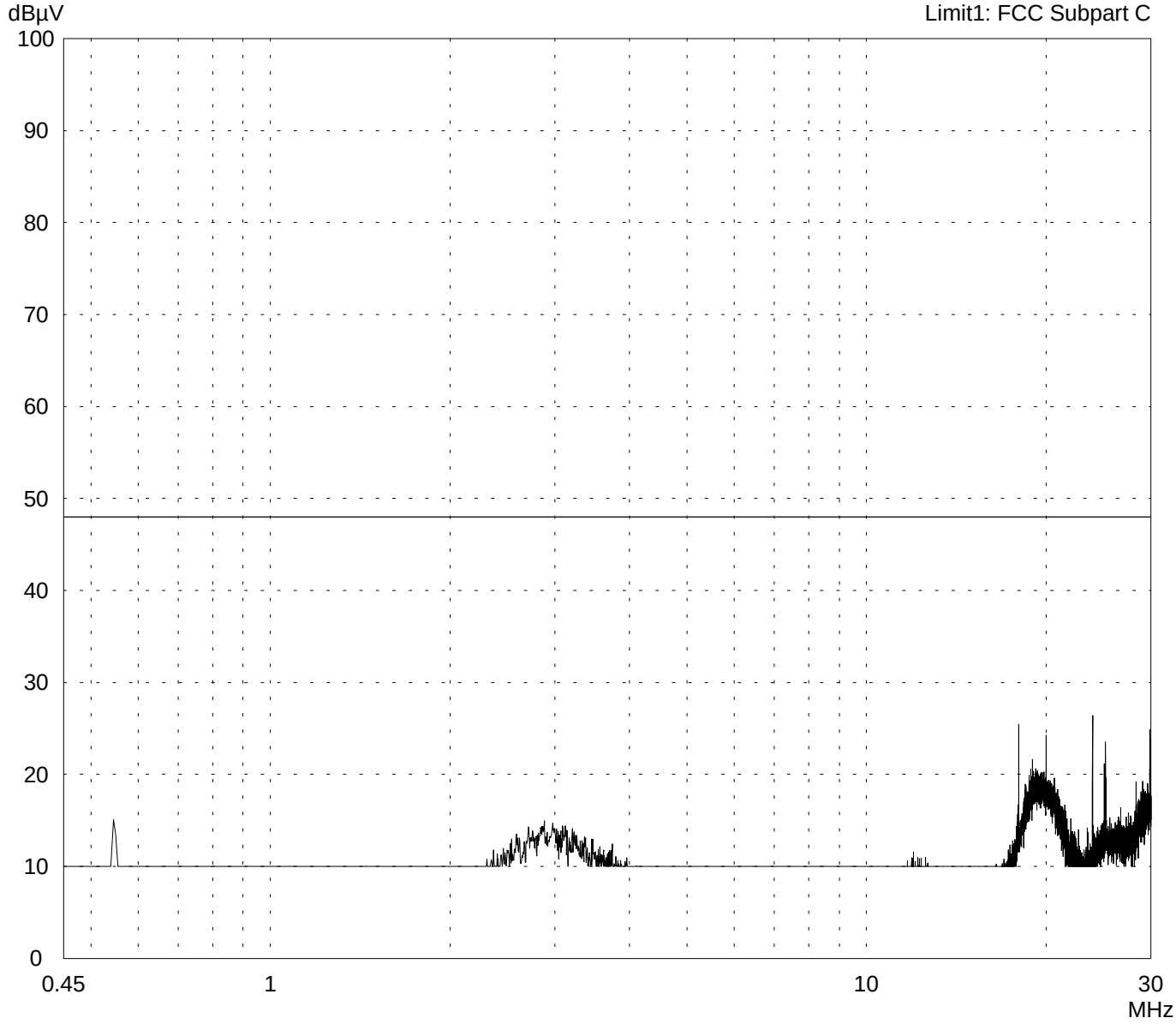
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1 Page 99 of 165 pages

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
no results					

Result:
Limit kept

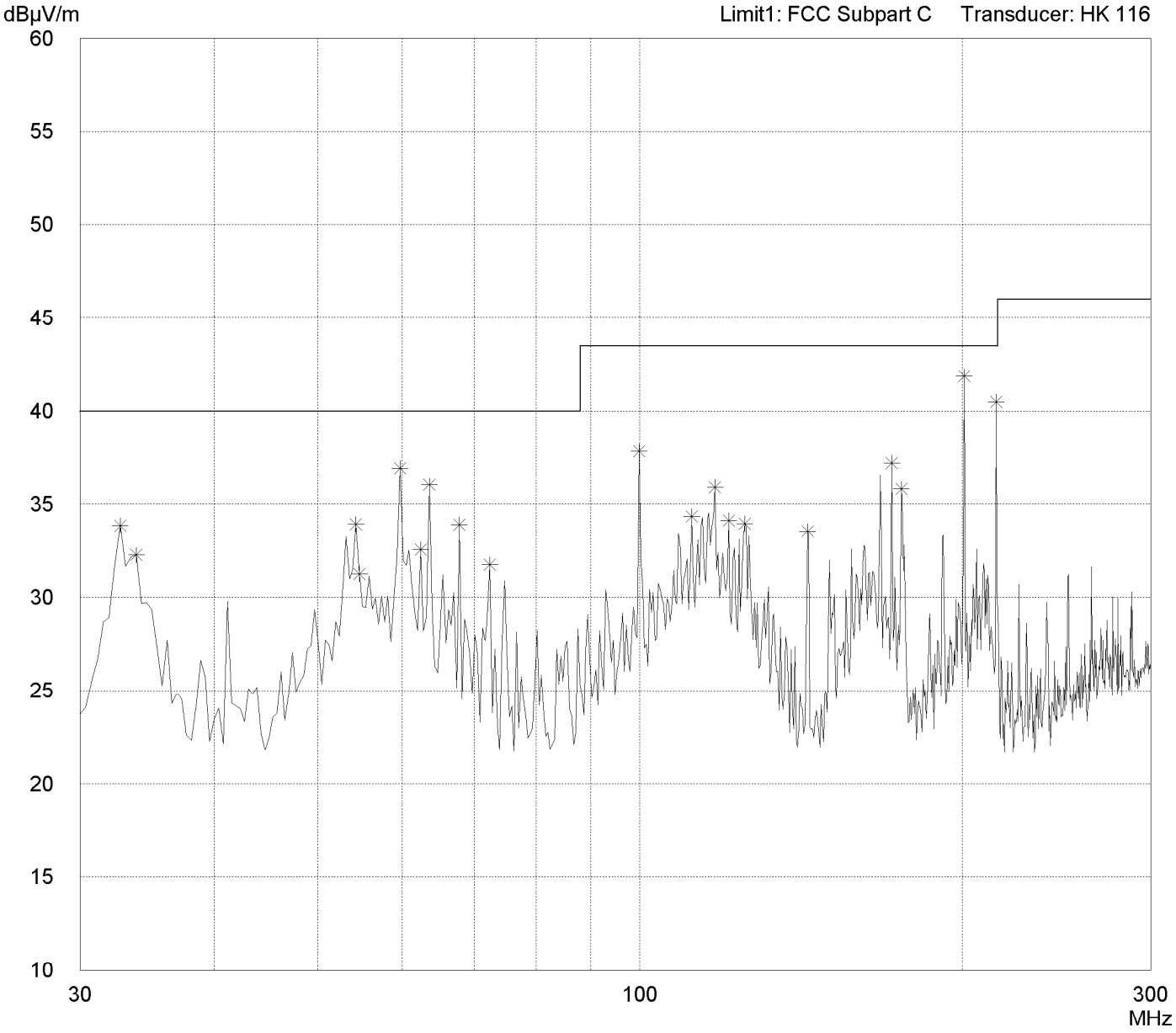
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges

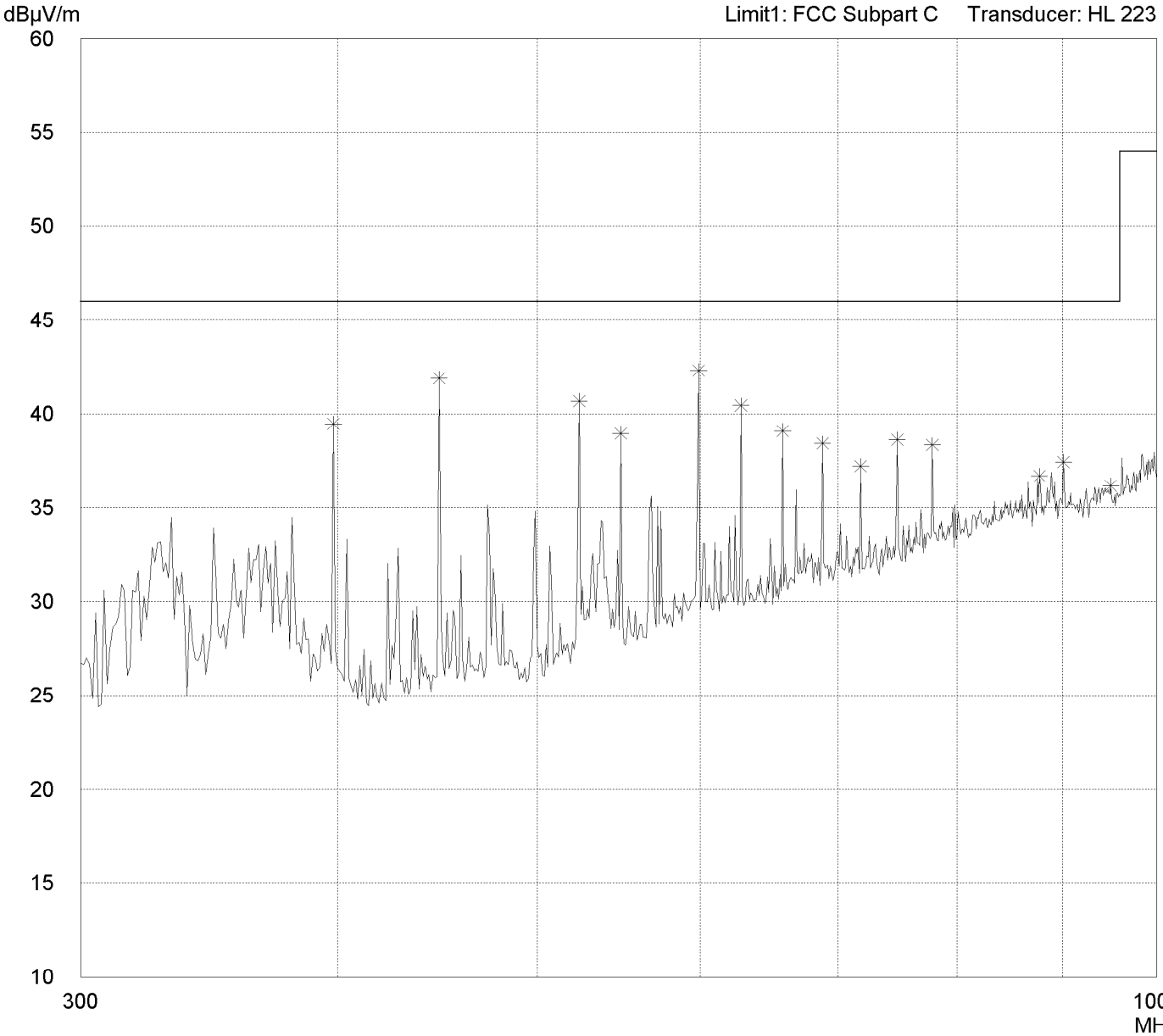


Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	
Detector: Peak	List of values: 10 dB Margin 50 Subranges



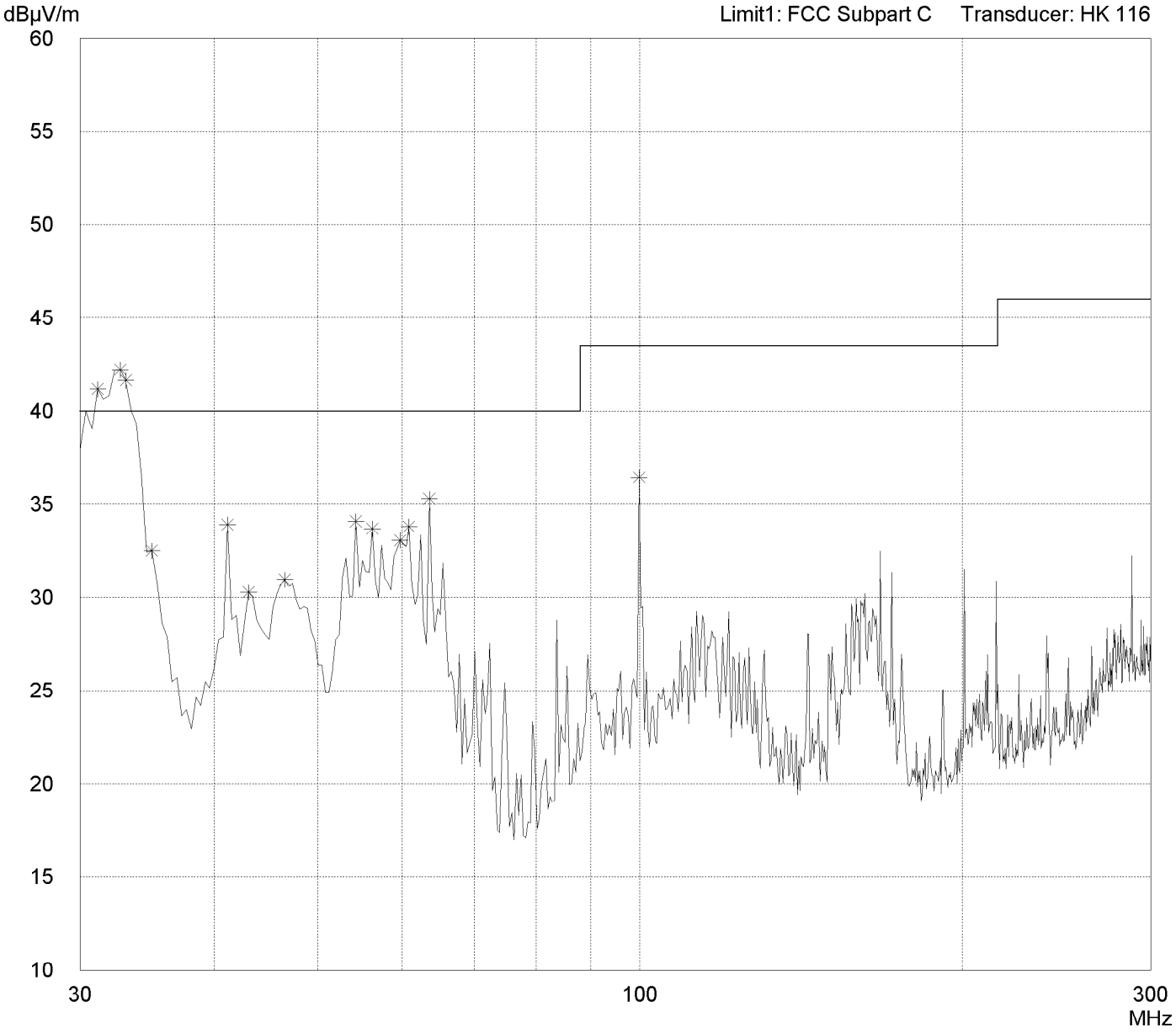
Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



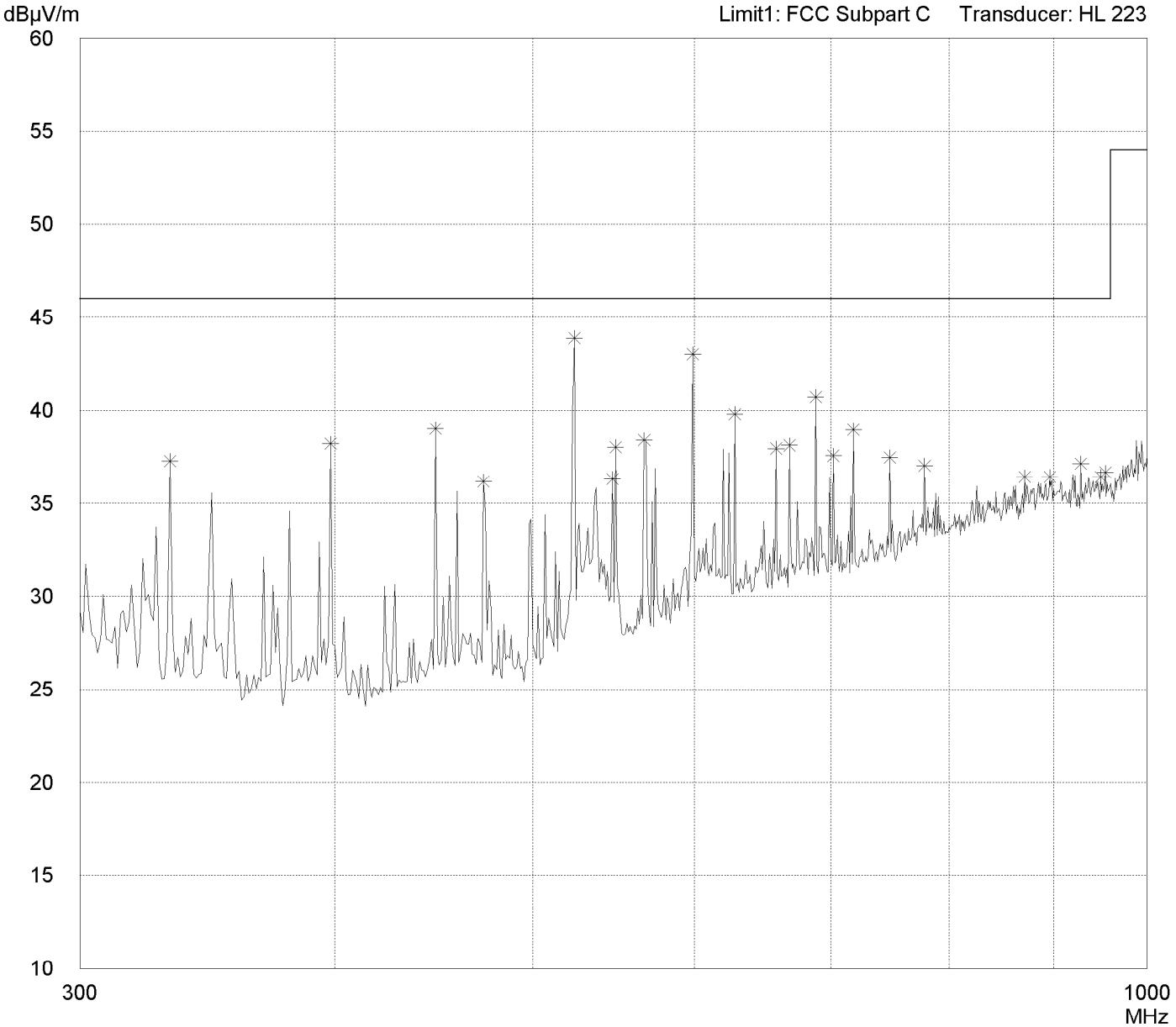
Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



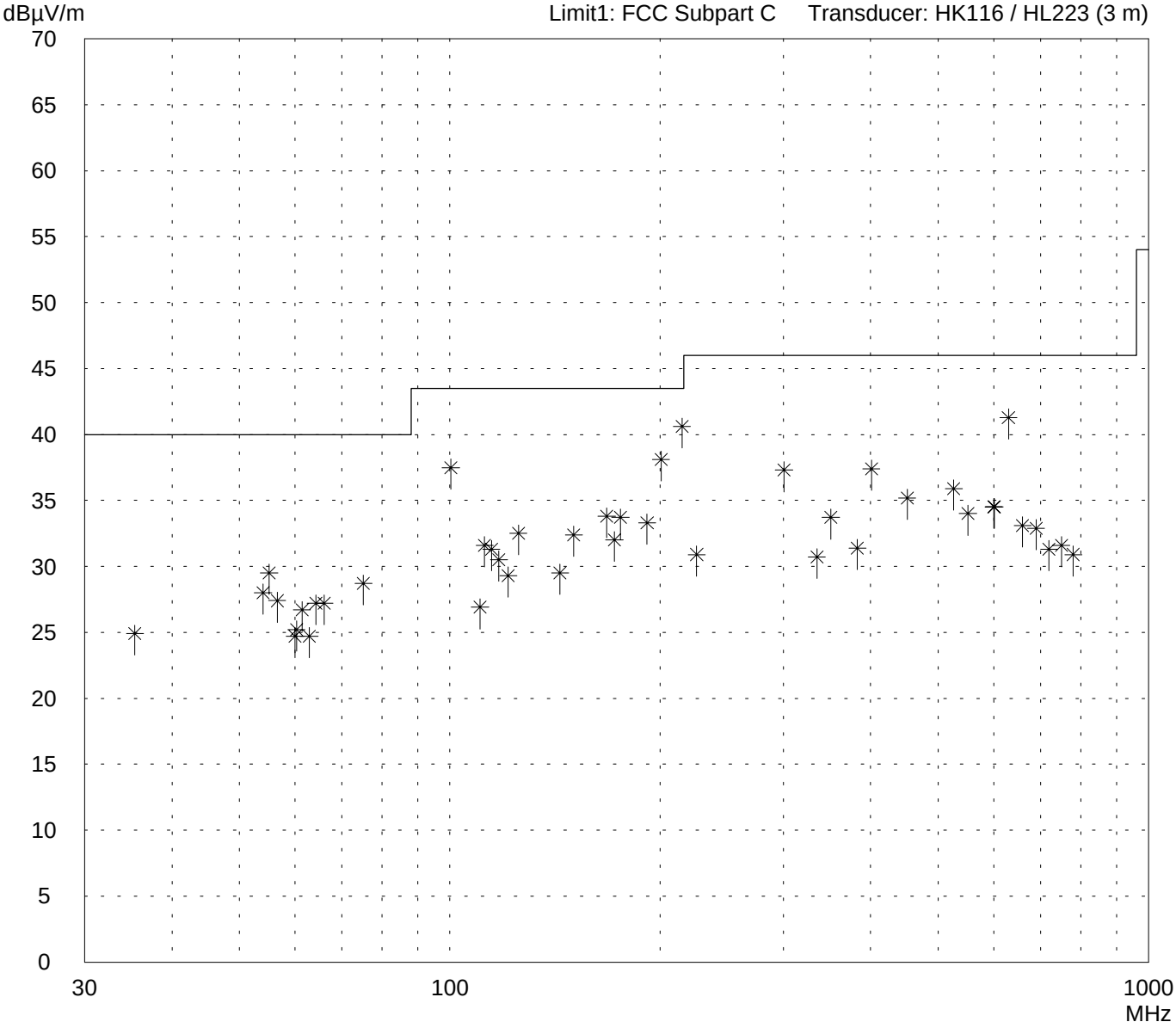
Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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



Result: Limit kept	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)
- operating with bit rate 11 Mbps
- TX mode with f = 2.412 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
35.4	11.5	13.4	24.9	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	19.0	10.5	29.5	40.0	
56.6	17.0	10.4	27.4	40.0	
60.0	14.5	10.2	24.7	40.0	
60.3	15.0	10.2	25.2	40.0	
61.4	16.5	10.2	26.7	40.0	
62.9	14.5	10.2	24.7	40.0	
64.3	17.0	10.2	27.2	40.0	
66.1	17.0	10.2	27.2	40.0	
75.2	18.5	10.2	28.7	40.0	
100.3	26.0	11.5	37.5	43.5	
110.4	14.5	12.4	26.9	43.5	
112.1	19.0	12.6	31.6	43.5	
114.6	18.5	12.8	31.3	43.5	
117.5	17.5	13.0	30.5	43.5	
121.2	16.0	13.3	29.3	43.5	
125.3	19.0	13.5	32.5	43.5	
143.7	15.0	14.5	29.5	43.5	
150.4	17.5	14.9	32.4	43.5	
167.6	18.0	15.8	33.8	43.5	
171.9	16.0	16.0	32.0	43.5	
175.4	17.5	16.2	33.7	43.5	
191.5	16.5	16.8	33.3	43.5	
200.5	21.0	17.1	38.1	43.5	
214.8	23.0	17.6	40.6	43.5	
225.5	13.0	17.9	30.9	46.0	
300.7	20.5	16.8	37.3	46.0	
335.2	12.5	18.2	30.7	46.0	
350.8	15.0	18.7	33.7	46.0	
383.1	11.5	19.9	31.4	46.0	
401.0	17.0	20.4	37.4	46.0	
451.1	13.5	21.7	35.2	46.0	
526.3	12.5	23.4	35.9	46.0	
551.3	10.0	24.0	34.0	46.0	
600.1	9.5	25.0	34.5	46.0	

Result: Limit kept

Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
601.4	9.5	25.0	34.5	46.0	
630.1	15.5	25.8	41.3	46.0	
660.1	6.5	26.6	33.1	46.0	
690.1	5.5	27.4	32.9	46.0	
720.1	3.5	27.8	31.3	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	2.5	28.4	30.9	46.0	

Result: Limit kept

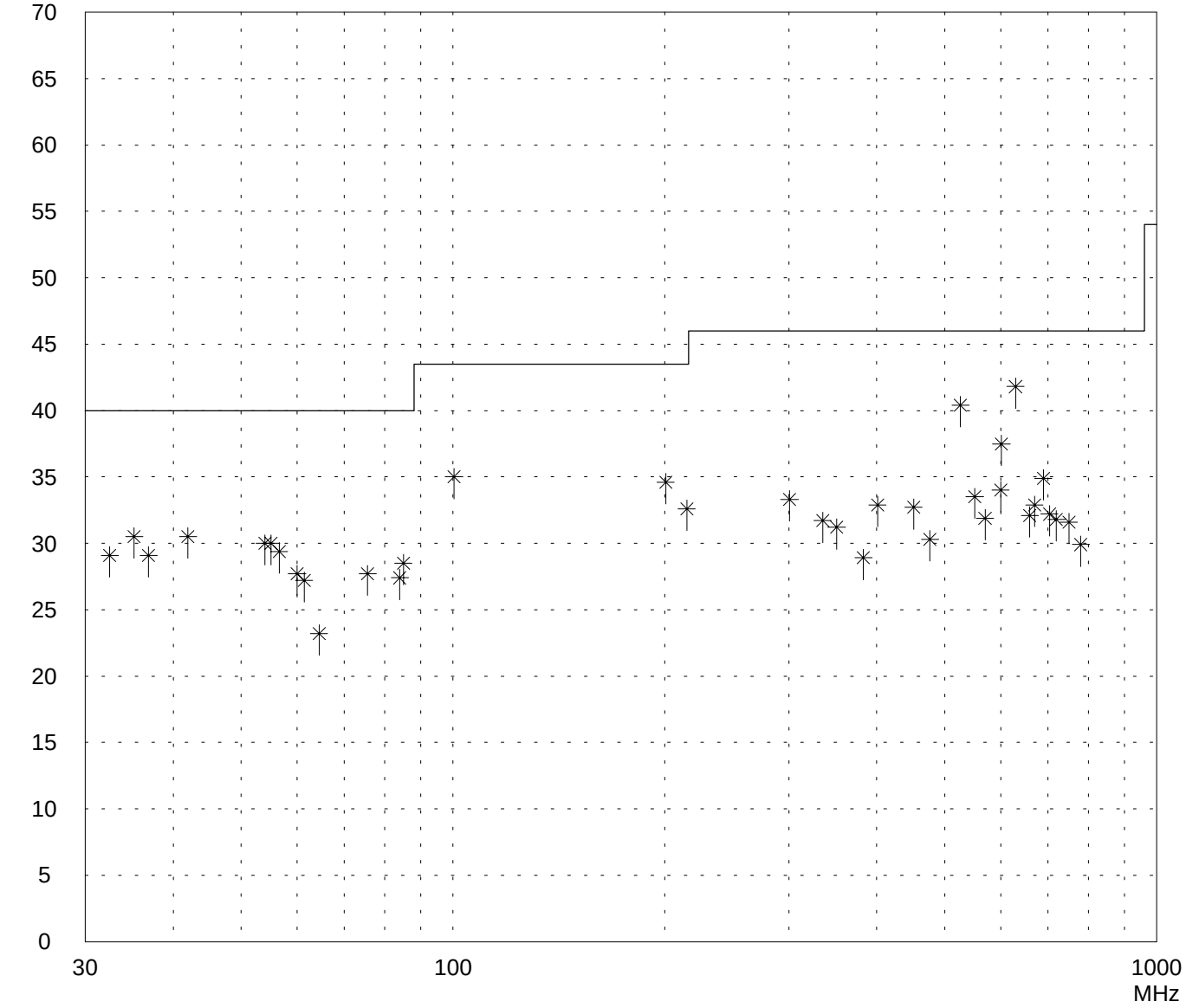
Project file: 56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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

dBµV/m Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)
- operating with bit rate 11 Mbps
- TX mode with f = 2.412 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
32.5	15.0	14.1	29.1	40.0	
35.2	17.0	13.5	30.5	40.0	
36.9	16.0	13.1	29.1	40.0	
42.0	18.5	12.0	30.5	40.0	
54.0	19.5	10.5	30.0	40.0	
55.1	19.5	10.5	30.0	40.0	
56.6	19.0	10.4	29.4	40.0	
60.0	17.5	10.2	27.7	40.0	
61.4	17.0	10.2	27.2	40.0	
64.5	13.0	10.2	23.2	40.0	
75.6	17.5	10.2	27.7	40.0	
84.0	17.0	10.4	27.4	40.0	
85.0	18.0	10.5	28.5	40.0	
100.3	23.5	11.5	35.0	43.5	
200.5	17.5	17.1	34.6	43.5	
214.8	15.0	17.6	32.6	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	13.5	18.2	31.7	46.0	
350.8	12.5	18.7	31.2	46.0	
383.1	9.0	19.9	28.9	46.0	
401.0	12.5	20.4	32.9	46.0	
451.1	11.0	21.7	32.7	46.0	
476.1	8.0	22.3	30.3	46.0	
526.3	17.0	23.4	40.4	46.0	
551.3	9.5	24.0	33.5	46.0	
570.1	7.5	24.4	31.9	46.0	
600.1	9.0	25.0	34.0	46.0	
601.4	12.5	25.0	37.5	46.0	
630.1	16.0	25.8	41.8	46.0	
660.1	5.5	26.6	32.1	46.0	
670.4	6.0	26.9	32.9	46.0	
690.1	7.5	27.4	34.9	46.0	
704.0	4.5	27.7	32.2	46.0	
720.1	4.0	27.8	31.8	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	1.5	28.4	29.9	46.0	

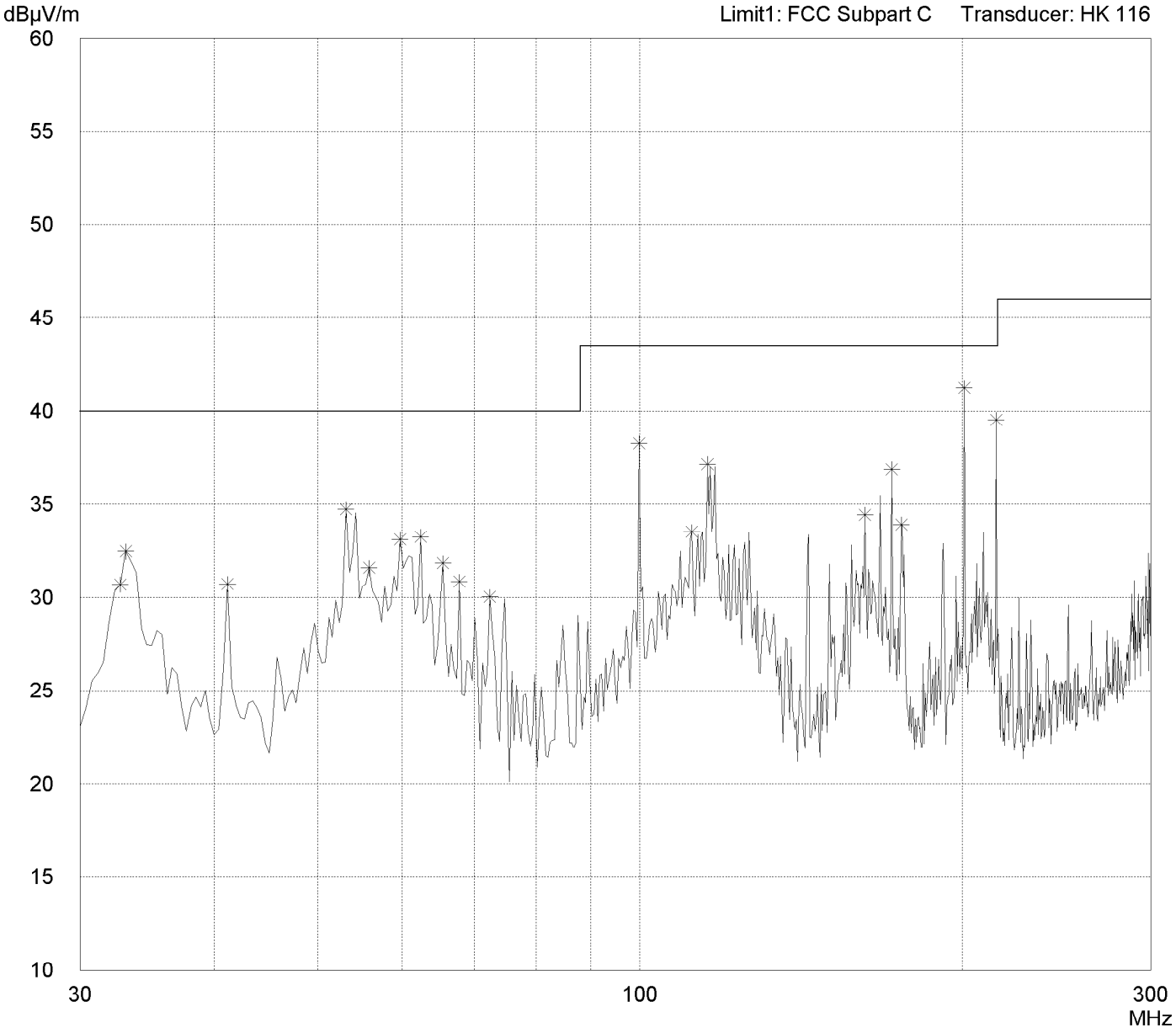
Result: Limit kept

Project file: 56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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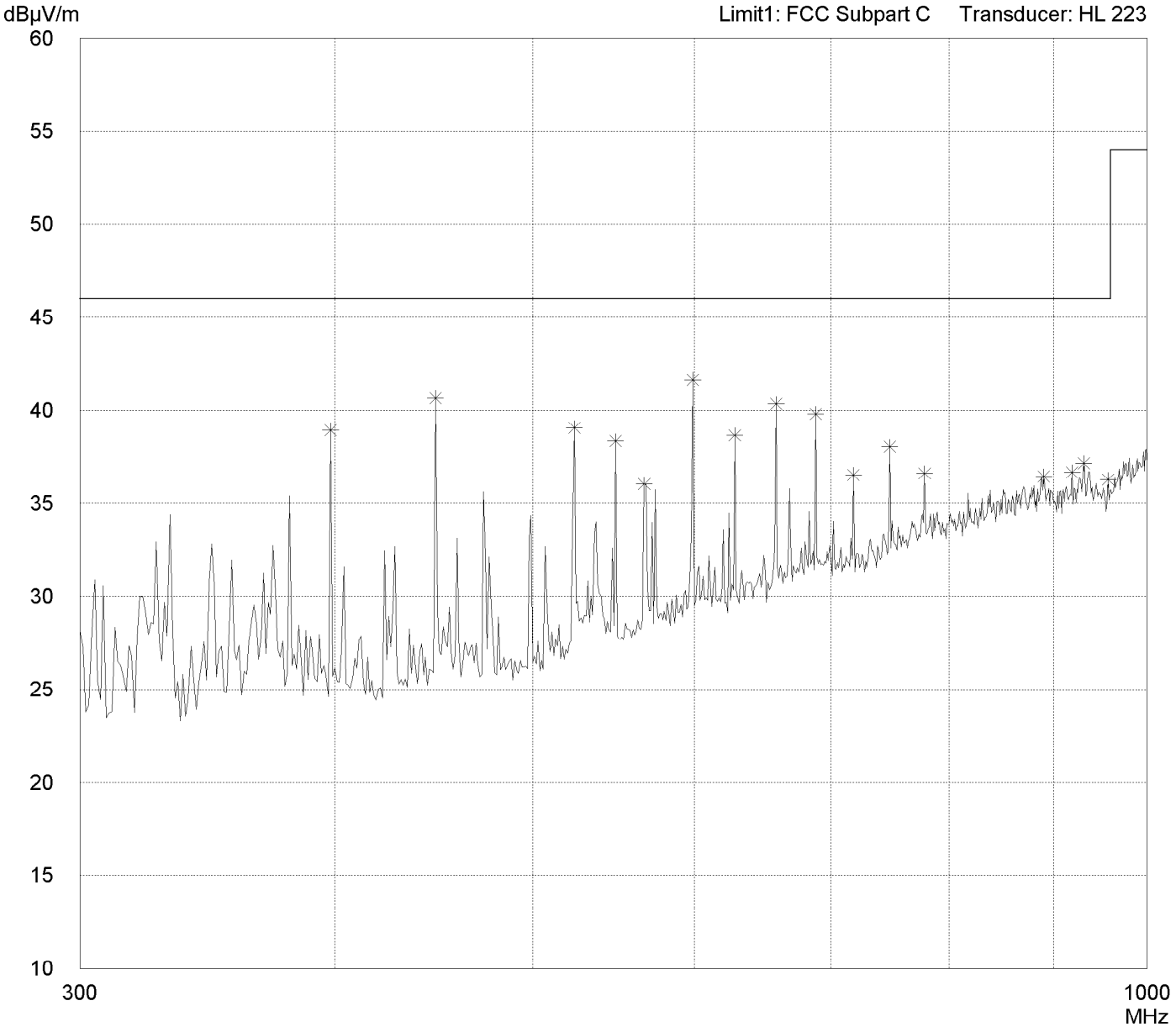
Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges

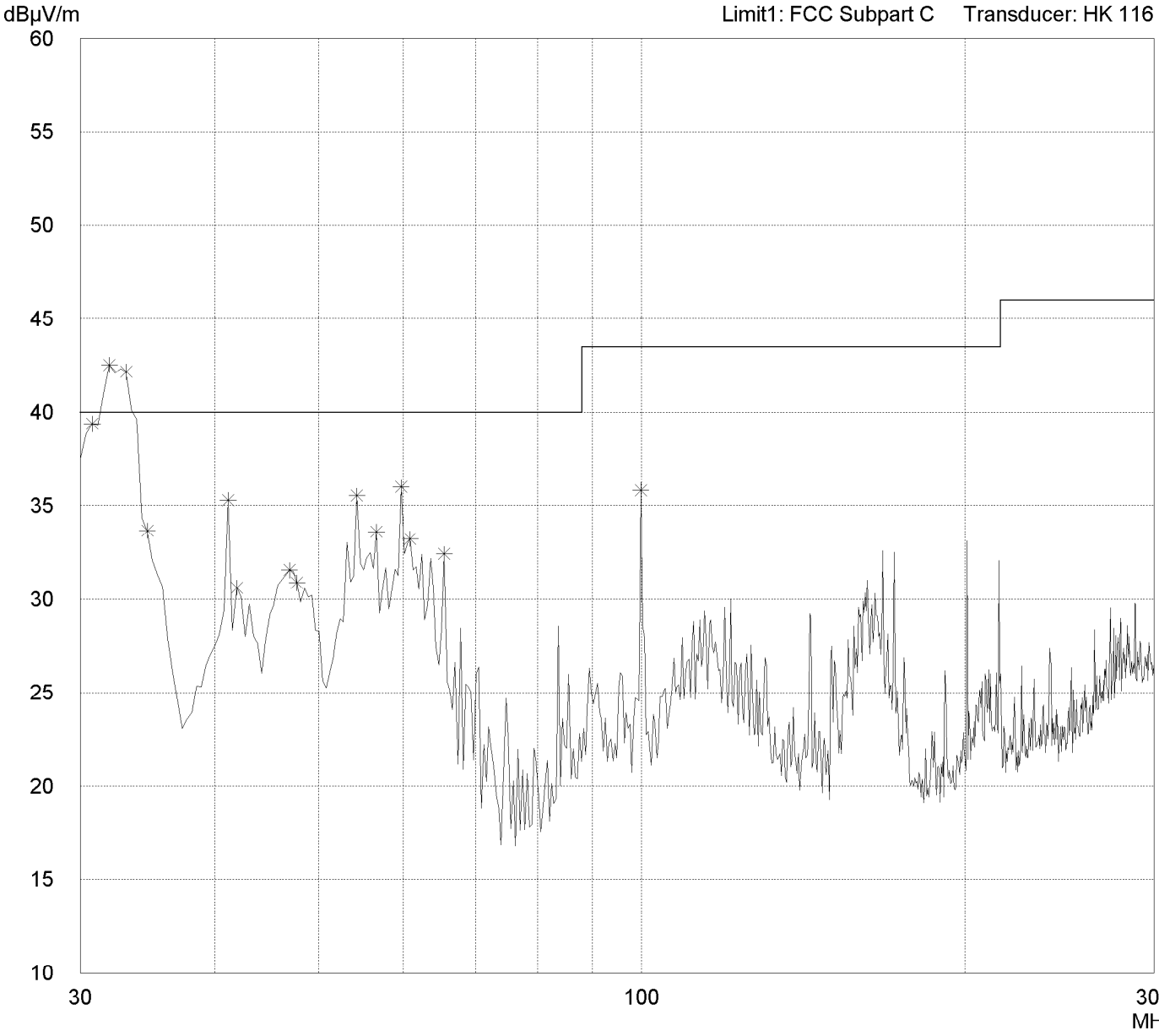


Result: Prescan	Project file: 56305-90203-1 — Page 111 of 165 pages

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges

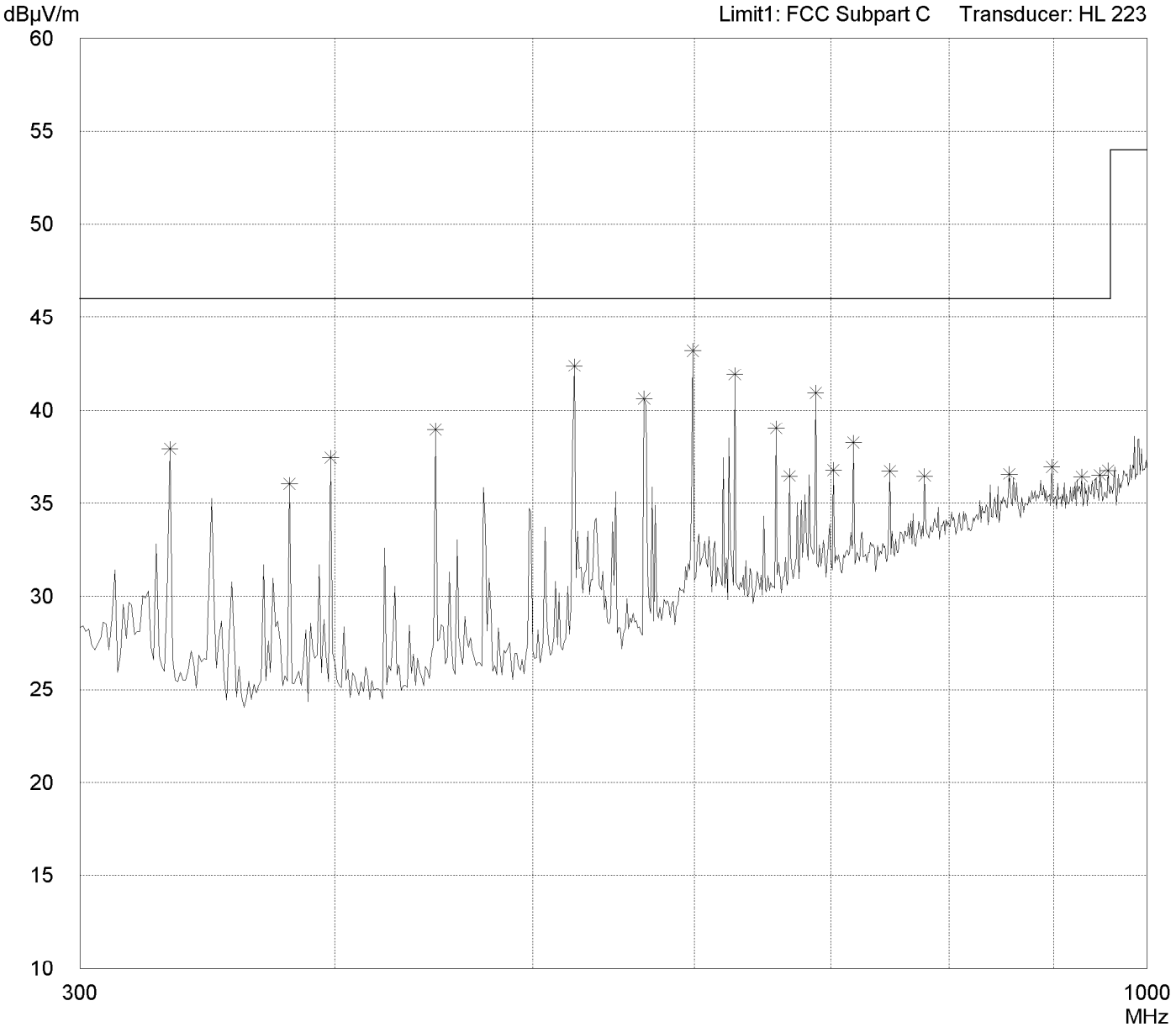


Result: Prescan	Project file: 56305-90203-1 — Page 112 of 165 pages

Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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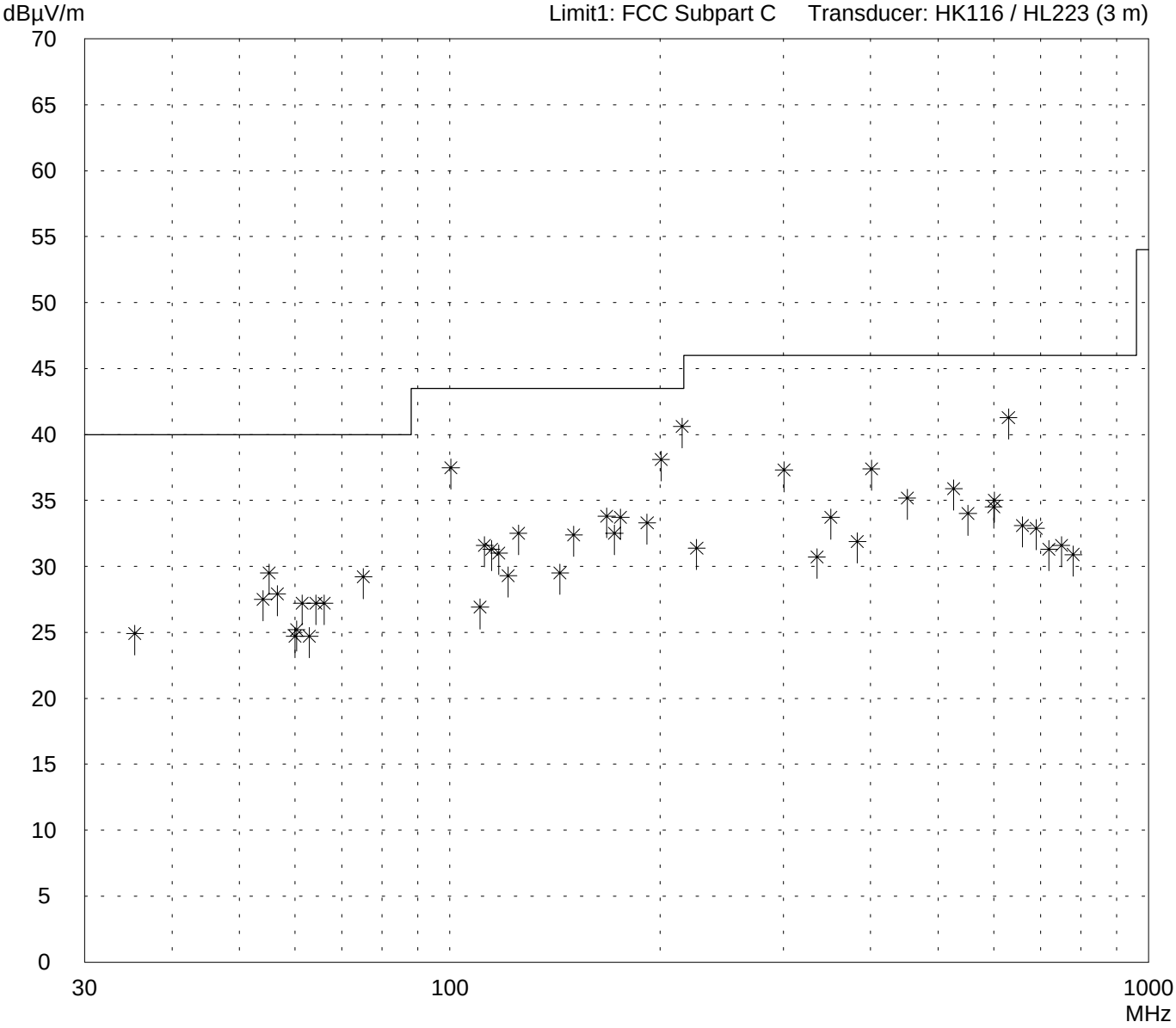
Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)
- 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 dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
35.4	11.5	13.4	24.9	40.0	
54.0	17.0	10.5	27.5	40.0	
55.1	19.0	10.5	29.5	40.0	
56.6	17.5	10.4	27.9	40.0	
60.0	14.5	10.2	24.7	40.0	
60.3	15.0	10.2	25.2	40.0	
61.4	17.0	10.2	27.2	40.0	
62.9	14.5	10.2	24.7	40.0	
64.3	17.0	10.2	27.2	40.0	
66.1	17.0	10.2	27.2	40.0	
75.2	19.0	10.2	29.2	40.0	
100.3	26.0	11.5	37.5	43.5	
110.4	14.5	12.4	26.9	43.5	
112.1	19.0	12.6	31.6	43.5	
114.6	18.5	12.8	31.3	43.5	
117.5	18.0	13.0	31.0	43.5	
121.2	16.0	13.3	29.3	43.5	
125.3	19.0	13.5	32.5	43.5	
143.7	15.0	14.5	29.5	43.5	
150.4	17.5	14.9	32.4	43.5	
167.6	18.0	15.8	33.8	43.5	
171.9	16.5	16.0	32.5	43.5	
175.4	17.5	16.2	33.7	43.5	
191.5	16.5	16.8	33.3	43.5	
200.5	21.0	17.1	38.1	43.5	
214.8	23.0	17.6	40.6	43.5	
225.5	13.5	17.9	31.4	46.0	
300.7	20.5	16.8	37.3	46.0	
335.2	12.5	18.2	30.7	46.0	
350.8	15.0	18.7	33.7	46.0	
383.1	12.0	19.9	31.9	46.0	
401.0	17.0	20.4	37.4	46.0	
451.1	13.5	21.7	35.2	46.0	
526.3	12.5	23.4	35.9	46.0	
551.3	10.0	24.0	34.0	46.0	
600.1	9.5	25.0	34.5	46.0	

Result:
Limit kept

Project file:
56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- 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 dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
601.4	10.0	25.0	35.0	46.0	
630.1	15.5	25.8	41.3	46.0	
660.1	6.5	26.6	33.1	46.0	
690.1	5.5	27.4	32.9	46.0	
720.1	3.5	27.8	31.3	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	2.5	28.4	30.9	46.0	

Result:
Limit kept

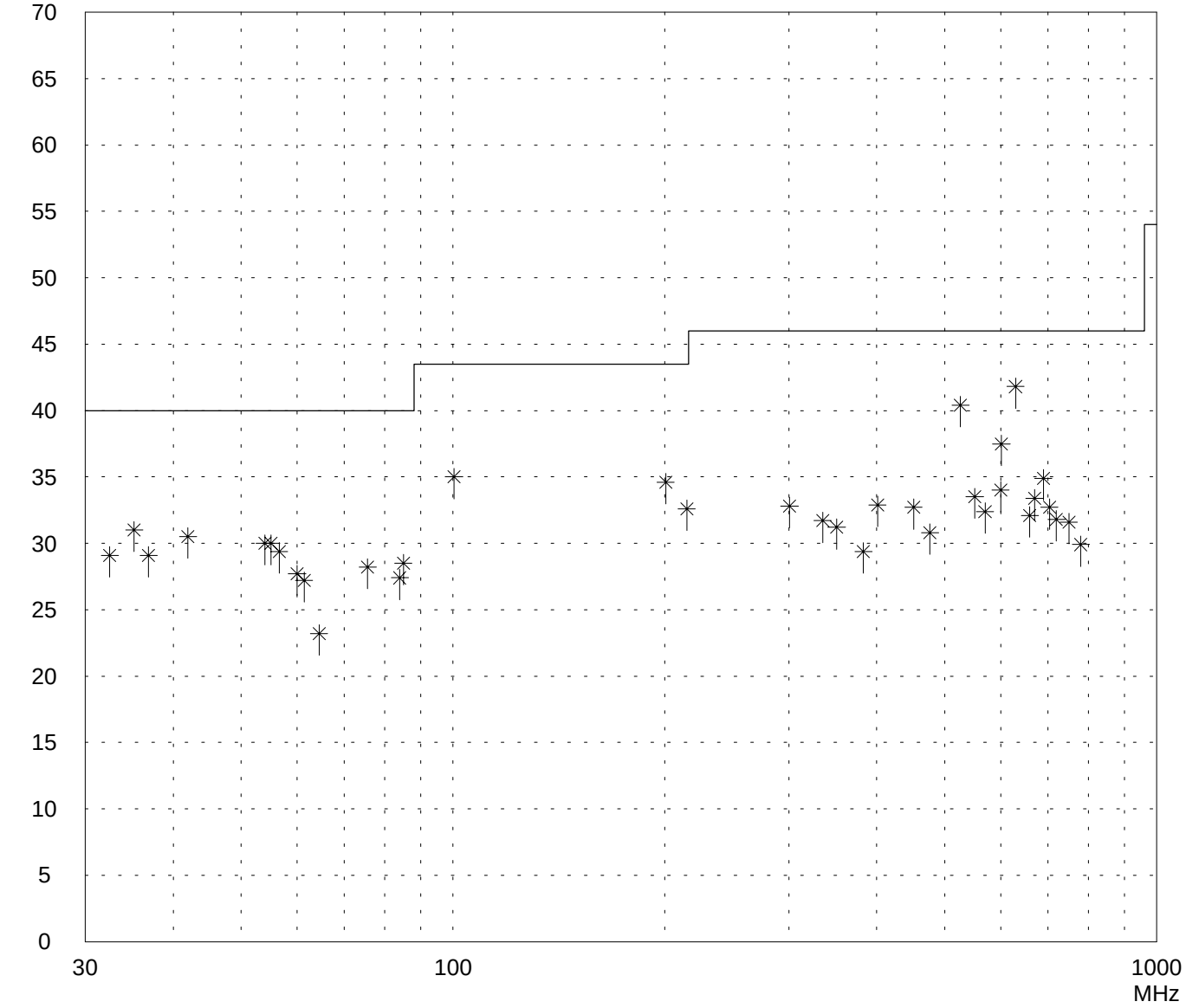
Project file:
56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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

dBµV/m Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)
- 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 dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
32.5	15.0	14.1	29.1	40.0	
35.2	17.5	13.5	31.0	40.0	
36.9	16.0	13.1	29.1	40.0	
42.0	18.5	12.0	30.5	40.0	
54.0	19.5	10.5	30.0	40.0	
55.1	19.5	10.5	30.0	40.0	
56.6	19.0	10.4	29.4	40.0	
60.0	17.5	10.2	27.7	40.0	
61.4	17.0	10.2	27.2	40.0	
64.5	13.0	10.2	23.2	40.0	
75.6	18.0	10.2	28.2	40.0	
84.0	17.0	10.4	27.4	40.0	
85.0	18.0	10.5	28.5	40.0	
100.3	23.5	11.5	35.0	43.5	
200.5	17.5	17.1	34.6	43.5	
214.8	15.0	17.6	32.6	43.5	
300.7	16.0	16.8	32.8	46.0	
335.2	13.5	18.2	31.7	46.0	
350.8	12.5	18.7	31.2	46.0	
383.1	9.5	19.9	29.4	46.0	
401.0	12.5	20.4	32.9	46.0	
451.1	11.0	21.7	32.7	46.0	
476.1	8.5	22.3	30.8	46.0	
526.3	17.0	23.4	40.4	46.0	
551.3	9.5	24.0	33.5	46.0	
570.1	8.0	24.4	32.4	46.0	
600.1	9.0	25.0	34.0	46.0	
601.4	12.5	25.0	37.5	46.0	
630.1	16.0	25.8	41.8	46.0	
660.1	5.5	26.6	32.1	46.0	
670.4	6.5	26.9	33.4	46.0	
690.1	7.5	27.4	34.9	46.0	
704.0	5.0	27.7	32.7	46.0	
720.1	4.0	27.8	31.8	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	1.5	28.4	29.9	46.0	

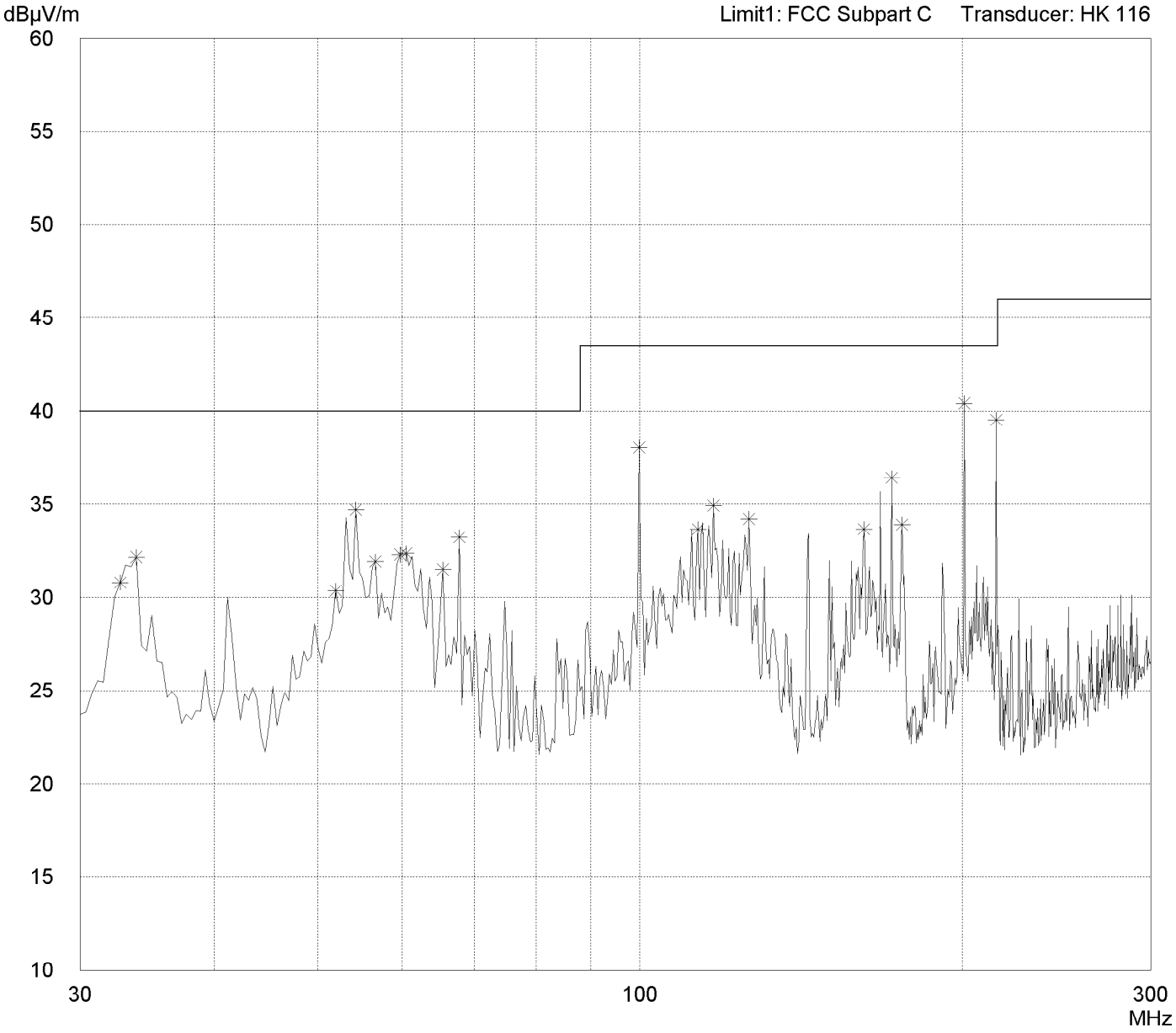
Result:
Limit kept

Project file:
56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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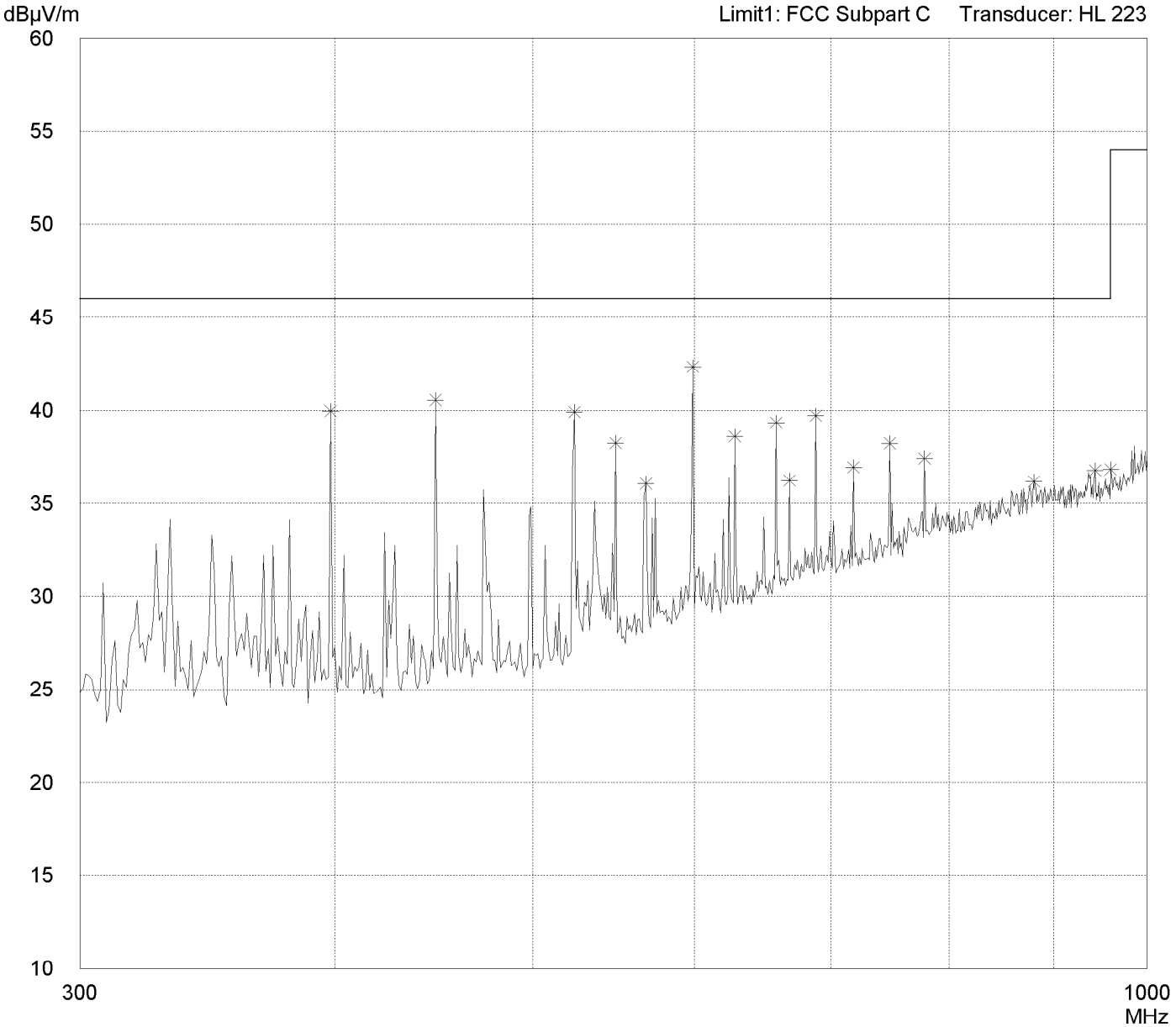
Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges



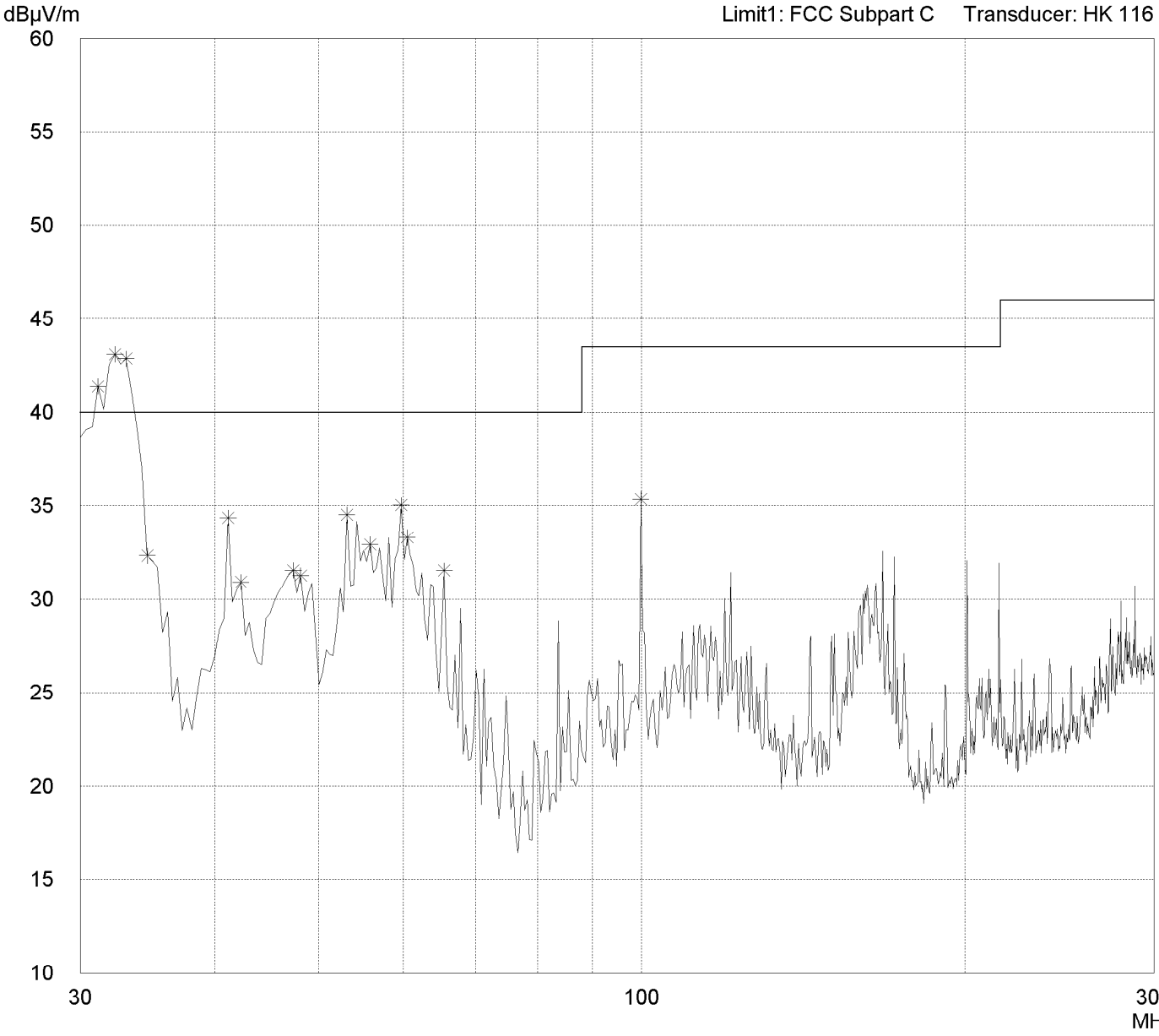
Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



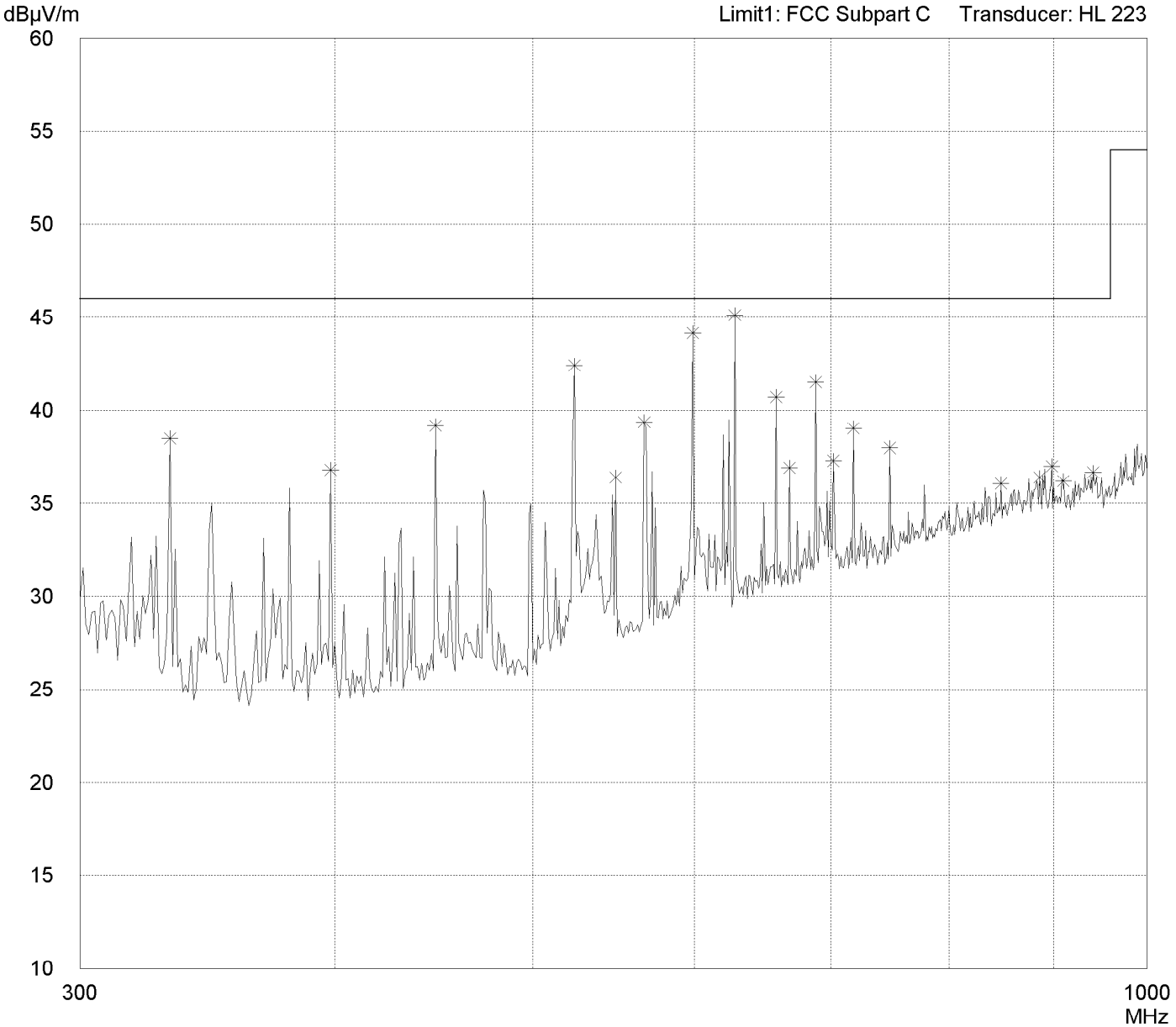
Result: Prescan	Project file: 56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



Result: Prescan	Project file: 56305-90203-1

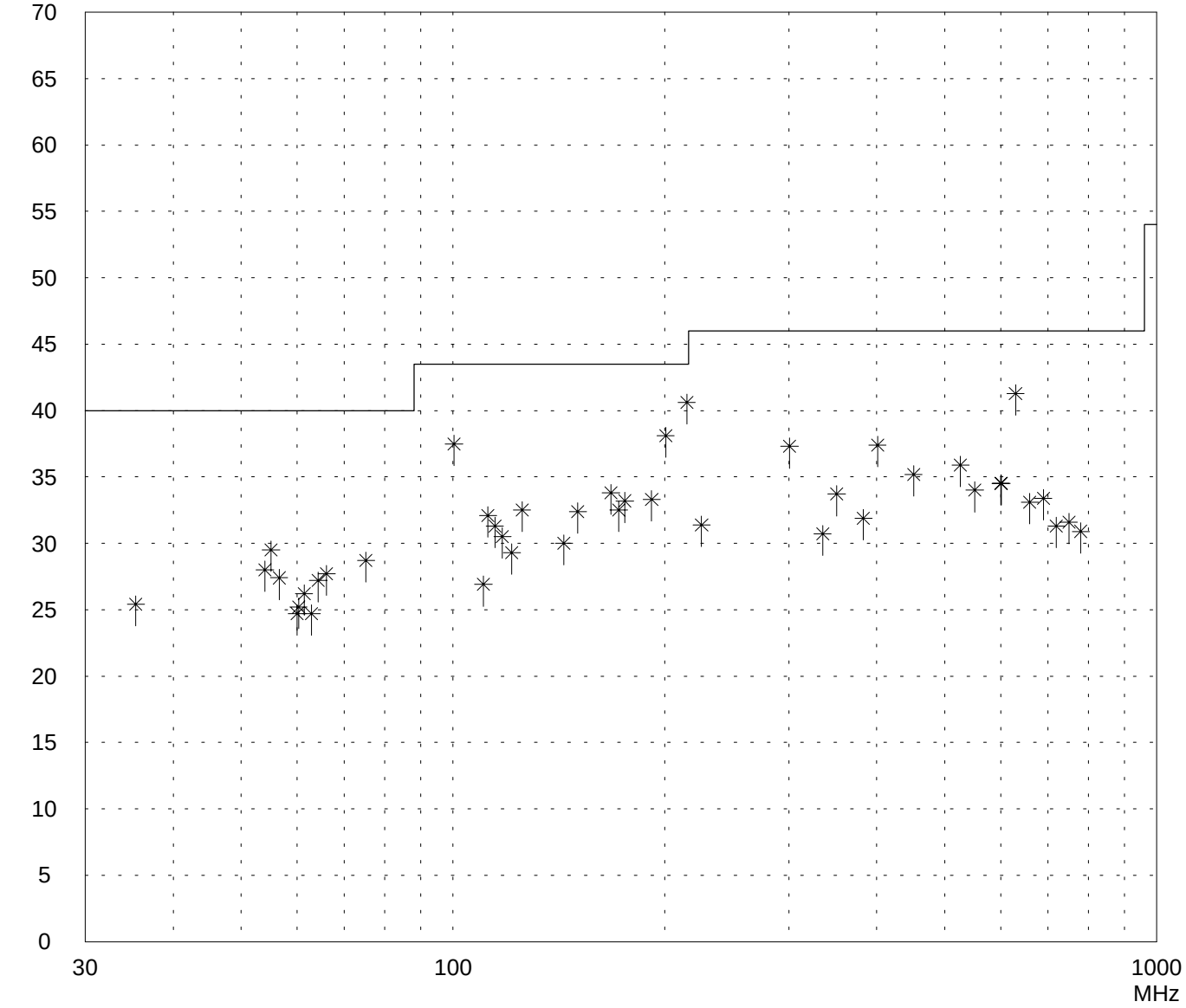
Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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

dBµV/m Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)
- operating with bit rate 11 Mbps
- TX mode with f = 2.462 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
35.4	12.0	13.4	25.4	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	19.0	10.5	29.5	40.0	
56.6	17.0	10.4	27.4	40.0	
60.0	14.5	10.2	24.7	40.0	
60.3	15.0	10.2	25.2	40.0	
61.4	16.0	10.2	26.2	40.0	
62.9	14.5	10.2	24.7	40.0	
64.3	17.0	10.2	27.2	40.0	
66.1	17.5	10.2	27.7	40.0	
75.2	18.5	10.2	28.7	40.0	
100.3	26.0	11.5	37.5	43.5	
110.4	14.5	12.4	26.9	43.5	
112.1	19.5	12.6	32.1	43.5	
114.6	18.5	12.8	31.3	43.5	
117.5	17.5	13.0	30.5	43.5	
121.2	16.0	13.3	29.3	43.5	
125.3	19.0	13.5	32.5	43.5	
143.7	15.5	14.5	30.0	43.5	
150.4	17.5	14.9	32.4	43.5	
167.6	18.0	15.8	33.8	43.5	
171.9	16.5	16.0	32.5	43.5	
175.4	17.0	16.2	33.2	43.5	
191.5	16.5	16.8	33.3	43.5	
200.5	21.0	17.1	38.1	43.5	
214.8	23.0	17.6	40.6	43.5	
225.5	13.5	17.9	31.4	46.0	
300.7	20.5	16.8	37.3	46.0	
335.2	12.5	18.2	30.7	46.0	
350.8	15.0	18.7	33.7	46.0	
383.1	12.0	19.9	31.9	46.0	
401.0	17.0	20.4	37.4	46.0	
451.1	13.5	21.7	35.2	46.0	
526.3	12.5	23.4	35.9	46.0	
551.3	10.0	24.0	34.0	46.0	
600.1	9.5	25.0	34.5	46.0	

Result: Limit kept

Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
601.4	9.5	25.0	34.5	46.0	
630.1	15.5	25.8	41.3	46.0	
660.1	6.5	26.6	33.1	46.0	
690.1	6.0	27.4	33.4	46.0	
720.1	3.5	27.8	31.3	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	2.5	28.4	30.9	46.0	

Result: Limit kept

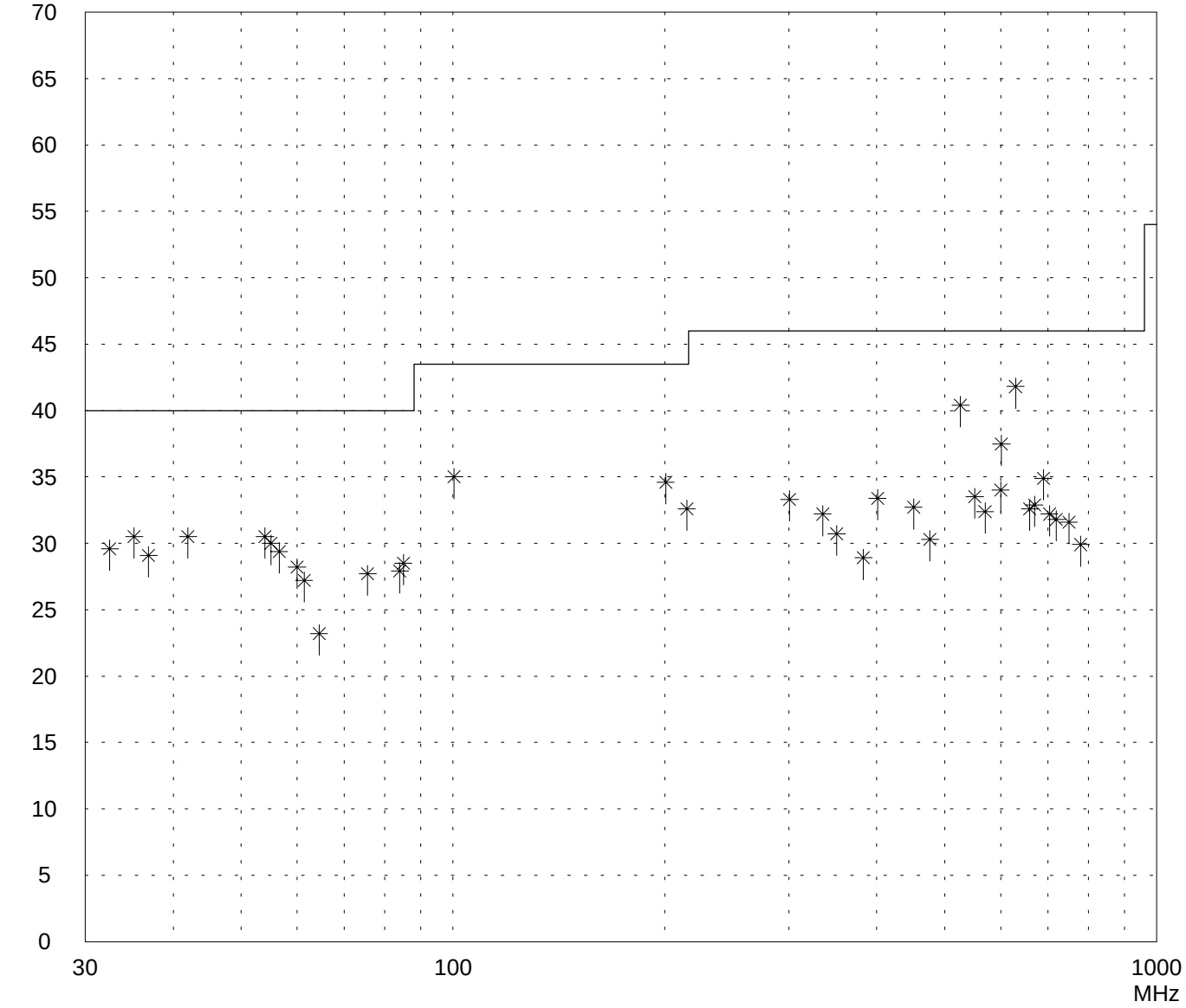
Project file: 56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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

dBµV/m Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
32.5	15.5	14.1	29.6	40.0	
35.2	17.0	13.5	30.5	40.0	
36.9	16.0	13.1	29.1	40.0	
42.0	18.5	12.0	30.5	40.0	
54.0	20.0	10.5	30.5	40.0	
55.1	19.5	10.5	30.0	40.0	
56.6	19.0	10.4	29.4	40.0	
60.0	18.0	10.2	28.2	40.0	
61.4	17.0	10.2	27.2	40.0	
64.5	13.0	10.2	23.2	40.0	
75.6	17.5	10.2	27.7	40.0	
84.0	17.5	10.4	27.9	40.0	
85.0	18.0	10.5	28.5	40.0	
100.3	23.5	11.5	35.0	43.5	
200.5	17.5	17.1	34.6	43.5	
214.8	15.0	17.6	32.6	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	14.0	18.2	32.2	46.0	
350.8	12.0	18.7	30.7	46.0	
383.1	9.0	19.9	28.9	46.0	
401.0	13.0	20.4	33.4	46.0	
451.1	11.0	21.7	32.7	46.0	
476.1	8.0	22.3	30.3	46.0	
526.3	17.0	23.4	40.4	46.0	
551.3	9.5	24.0	33.5	46.0	
570.1	8.0	24.4	32.4	46.0	
600.1	9.0	25.0	34.0	46.0	
601.4	12.5	25.0	37.5	46.0	
630.1	16.0	25.8	41.8	46.0	
660.1	6.0	26.6	32.6	46.0	
670.4	6.0	26.9	32.9	46.0	
690.1	7.5	27.4	34.9	46.0	
704.0	4.5	27.7	32.2	46.0	
720.1	4.0	27.8	31.8	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	1.5	28.4	29.9	46.0	

Result: Limit kept

Project file: 56305-90203-1

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
2.3900	vertical	52.8		0.6	20.7	52.8	74
2.3980	vertical	69.9		0.6	20.7	69.9	NRB
2.4000	vertical	67.4		0.6	20.7	67.4	NRB
2.4022	vertical	72.4		0.6	20.7	72.4	OB
2.4137	vertical	104.8		0.6	20.7	104.8	OB
2.4230	vertical	73.4		0.6	20.7	73.4	OB
2.8175	vertical	45.2		0.7	23.7	45.2	74
4.8303	vertical	40.6	-94.0		27.3	40.3	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 104.8 dBµV/m.

Result: The limits are kept

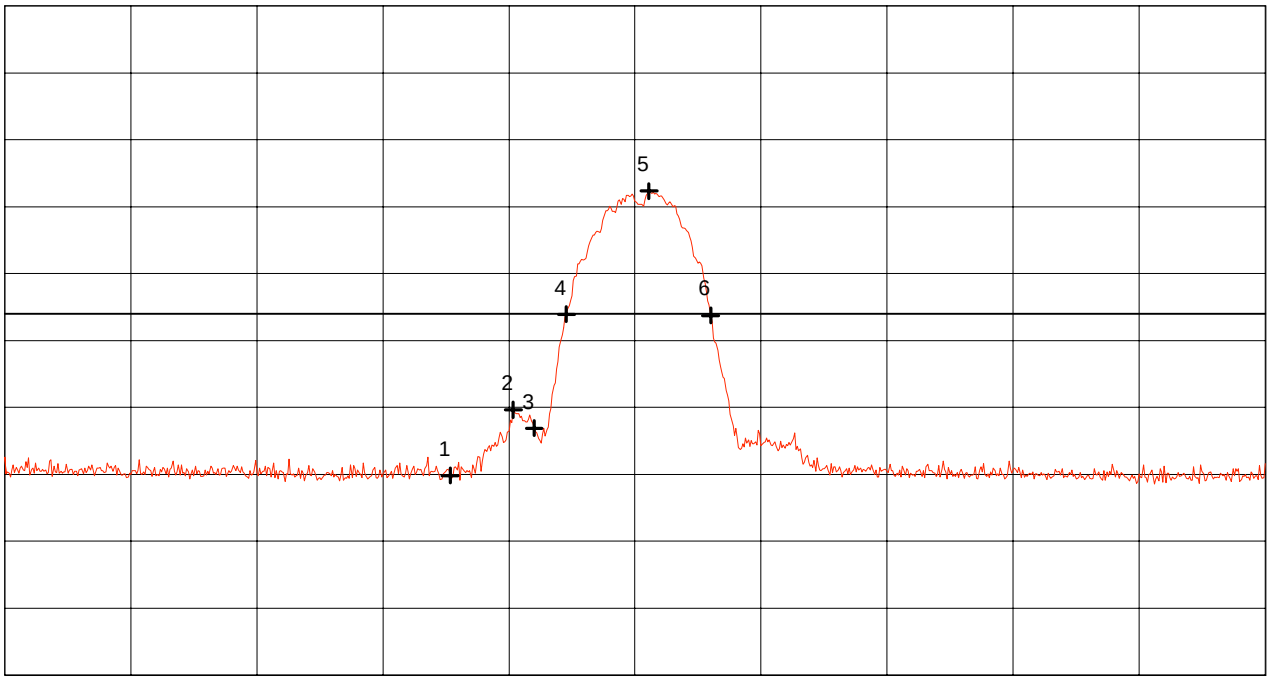
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB 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 ****

Nr.1	2.390000 GHz	49.80 dBµV/m
Nr.2	2.397500 GHz	59.62 dBµV/m
Nr.3	2.400000 GHz	56.88 dBµV/m
Nr.4	2.403833 GHz	73.90 dBµV/m
Nr.5	2.413667 GHz	92.31 dBµV/m
Nr.6	2.421000 GHz	73.74 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

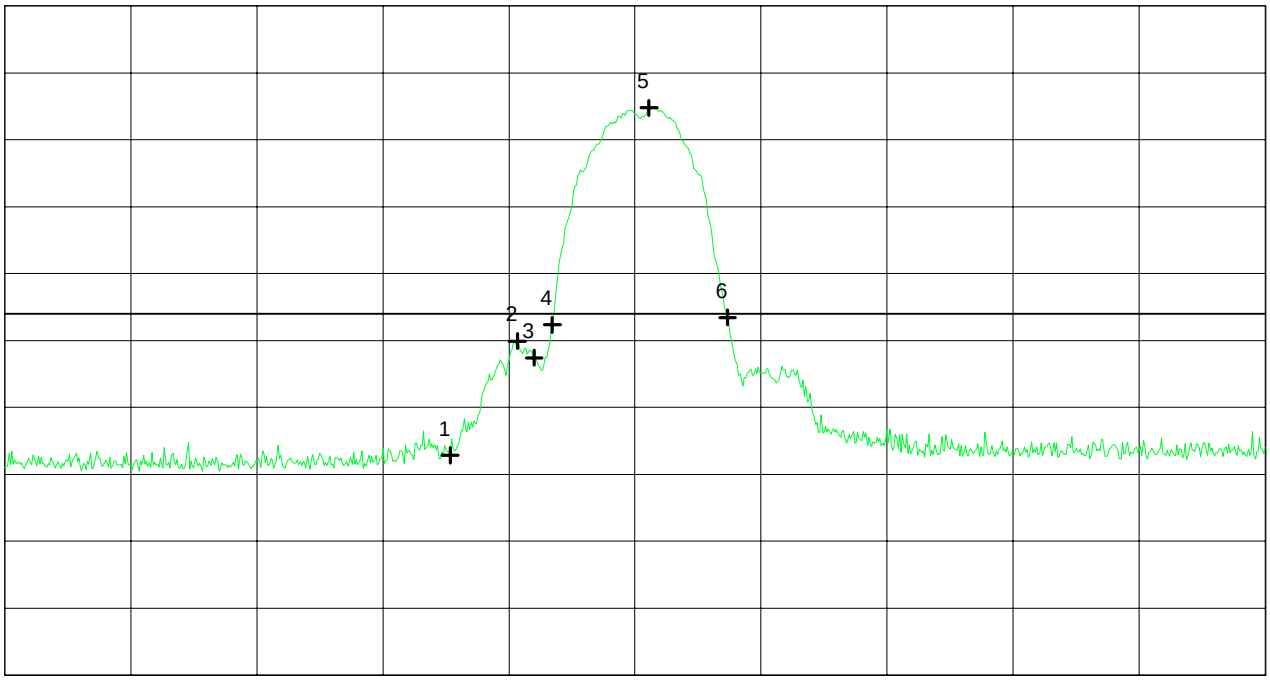
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB 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 ****

Nr.1	2.390000 GHz	52.84 dBµV/m
Nr.2	2.398000 GHz	69.91 dBµV/m
Nr.3	2.400000 GHz	67.42 dBµV/m
Nr.4	2.402167 GHz	72.35 dBµV/m
Nr.5	2.413667 GHz	104.77 dBµV/m
Nr.6	2.423000 GHz	73.44 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.412 GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
1.4081	vertical	39.3		0.5	26.6	39.3	54
2.3900	vertical	41.3		0.6	20.7	41.3	54
2.3933	vertical	52.6		0.6	20.7	52.6	NRB
2.3985	vertical	64.2		0.6	20.7	64.2	NRB
2.4000	vertical	60.0		0.6	20.7	60.0	NRB
2.4127	vertical	101.5		0.6	20.7	101.5	OB
2.4315	vertical	53.4		0.6	20.7	53.4	OB
2.8161	vertical	40.2		0.7	23.7	40.2	54
4.8239	vertical	38.5	-95.9		27.3	38.4	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 101.5 dBµV/m.

Result: The limits are kept

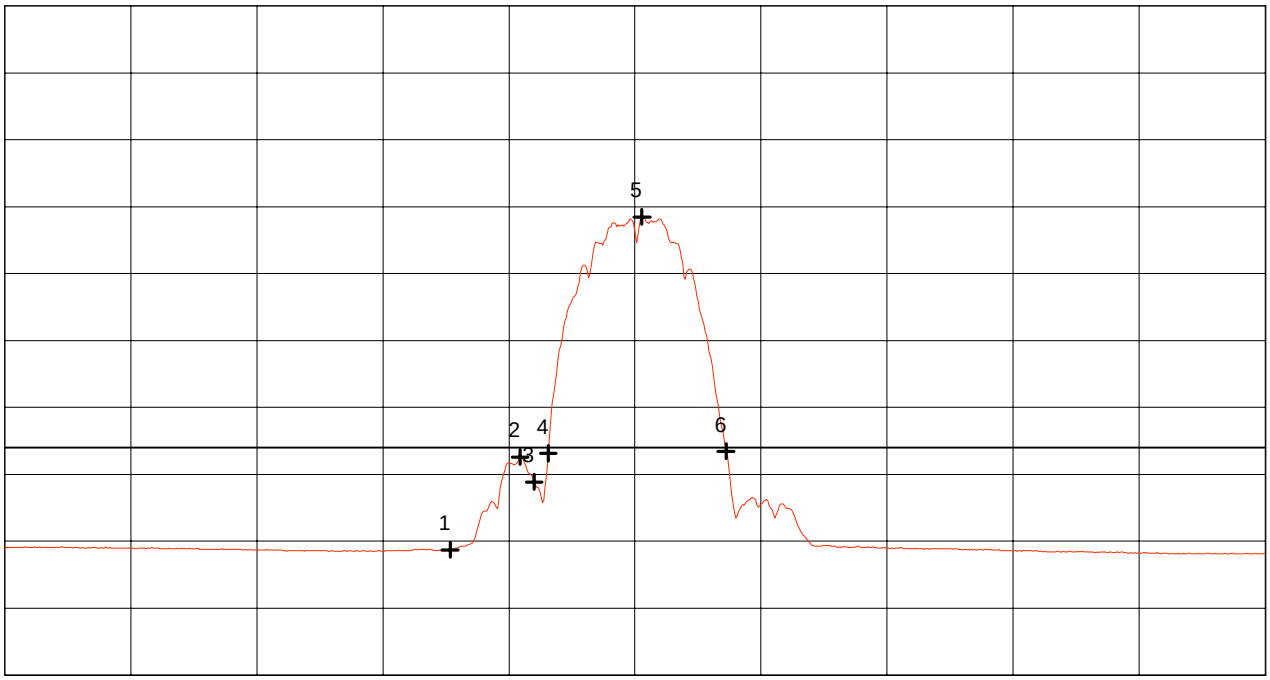
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.337 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.487 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.390000 GHz	38.70 dBµV/m
Nr.2	2.398333 GHz	52.59 dBµV/m
Nr.3	2.400000 GHz	48.86 dBµV/m
Nr.4	2.401667 GHz	53.12 dBµV/m
Nr.5	2.412833 GHz	88.47 dBµV/m
Nr.6	2.422833 GHz	53.43 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

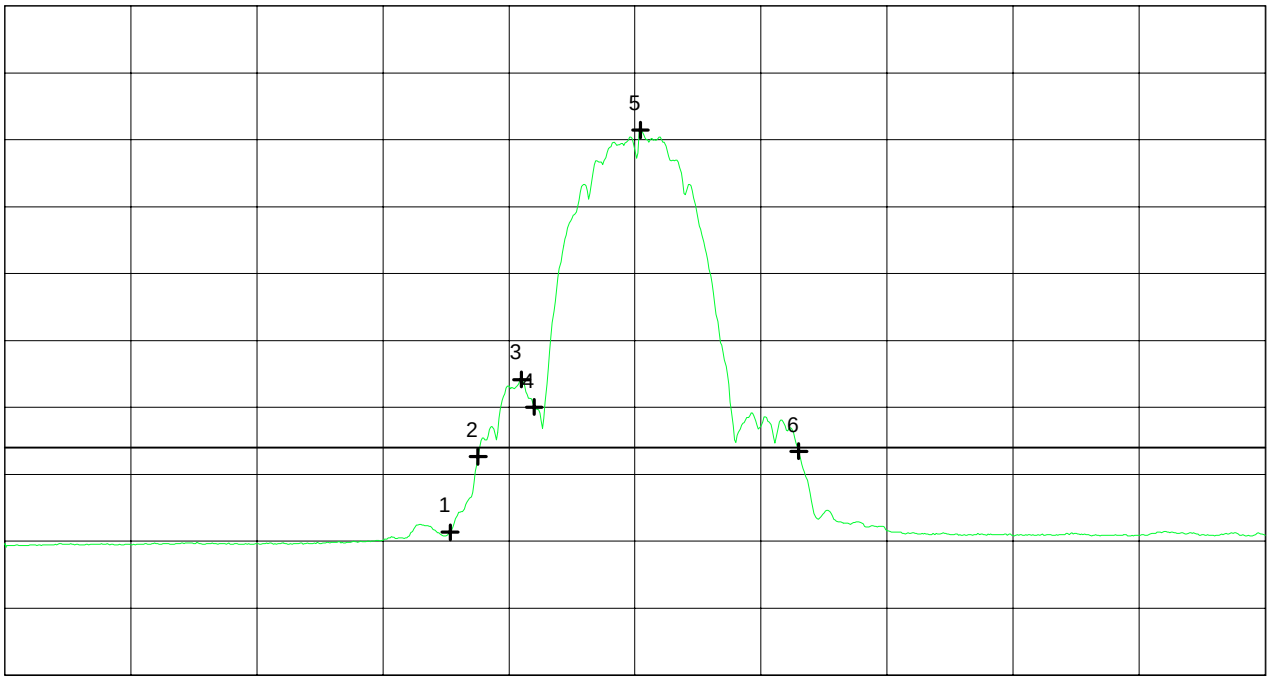
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.337 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.487 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.390000 GHz	41.34 dBµV/m
Nr.2	2.393333 GHz	52.64 dBµV/m
Nr.3	2.398500 GHz	64.17 dBµV/m
Nr.4	2.400000 GHz	60.03 dBµV/m
Nr.5	2.412667 GHz	101.47 dBµV/m
Nr.6	2.431500 GHz	53.43 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
2.4322	vertical	73.5		0.6	20.7	73.5	OB
2.4440	vertical	105.7		0.6	20.7	105.7	OB
2.4533	vertical	73.2		0.6	20.7	73.2	OB
2.8160	vertical	44.2		0.7	23.7	44.2	74
4.8894	vertical	48.8	-85.6		27.3	48.7	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 105.7 dBµV/m.

Result: The limits are kept

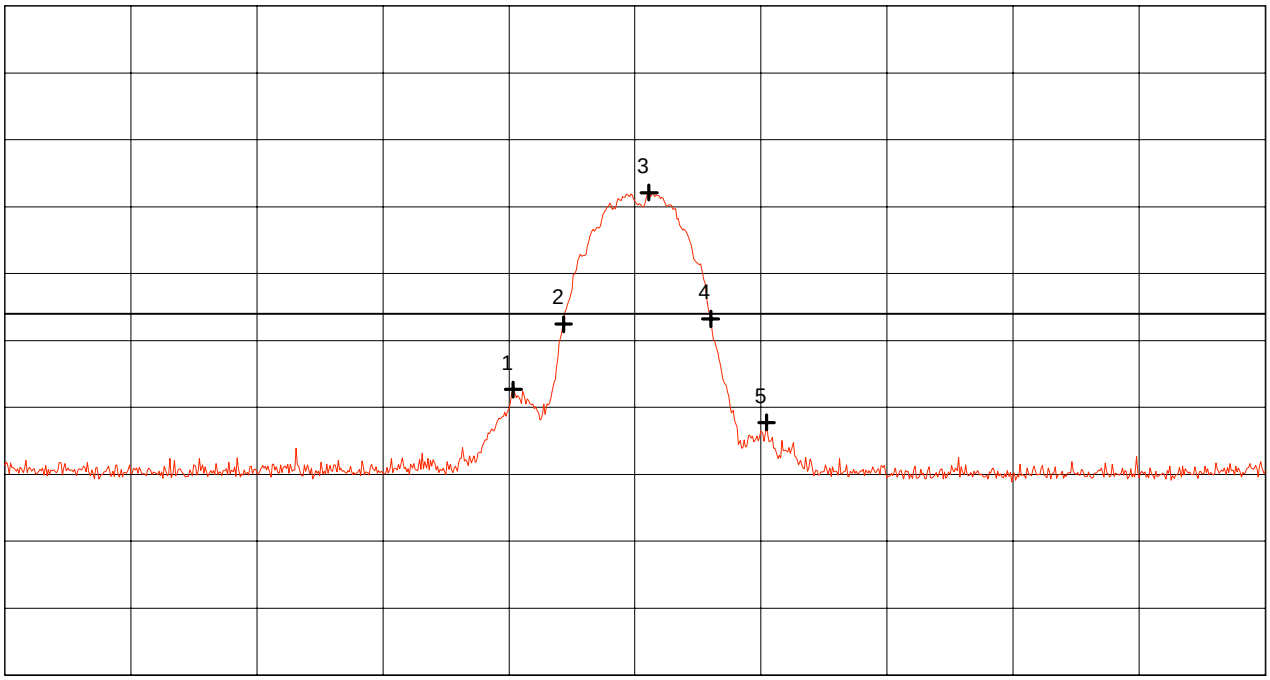
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.367 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.517 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.427500 GHz	62.65 dBµV/m
Nr.2	2.433500 GHz	72.42 dBµV/m
Nr.3	2.443667 GHz	92.10 dBµV/m
Nr.4	2.451000 GHz	73.24 dBµV/m
Nr.5	2.457667 GHz	57.74 dBµV/m
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

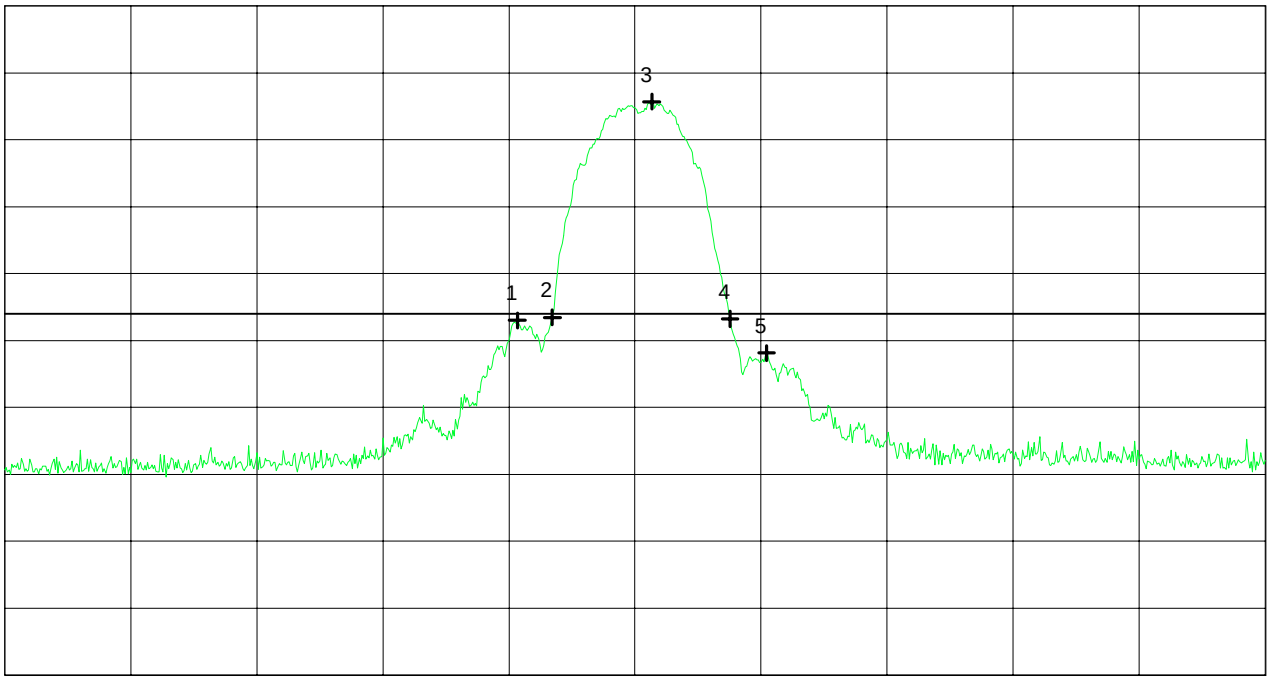
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.367 GHz
RBW 1 MHz

VBW 1 MHz

Stop 2.517 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.428000 GHz	73.01 dBµV/m
Nr.2	2.432167 GHz	73.46 dBµV/m
Nr.3	2.444000 GHz	105.69 dBµV/m
Nr.4	2.453333 GHz	73.24 dBµV/m
Nr.5	2.457667 GHz	68.11 dBµV/m
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.442 GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
2.4228	vertical	53.3		0.6	20.7	53.3	OB
2.4447	vertical	101.6		0.6	20.7	101.6	OB
2.4615	vertical	53.5		0.6	20.7	53.5	OB
4.8841	vertical	47.0	-87.2		27.3	47.1	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 101.6 dBµV/m.

Result: The limits are kept

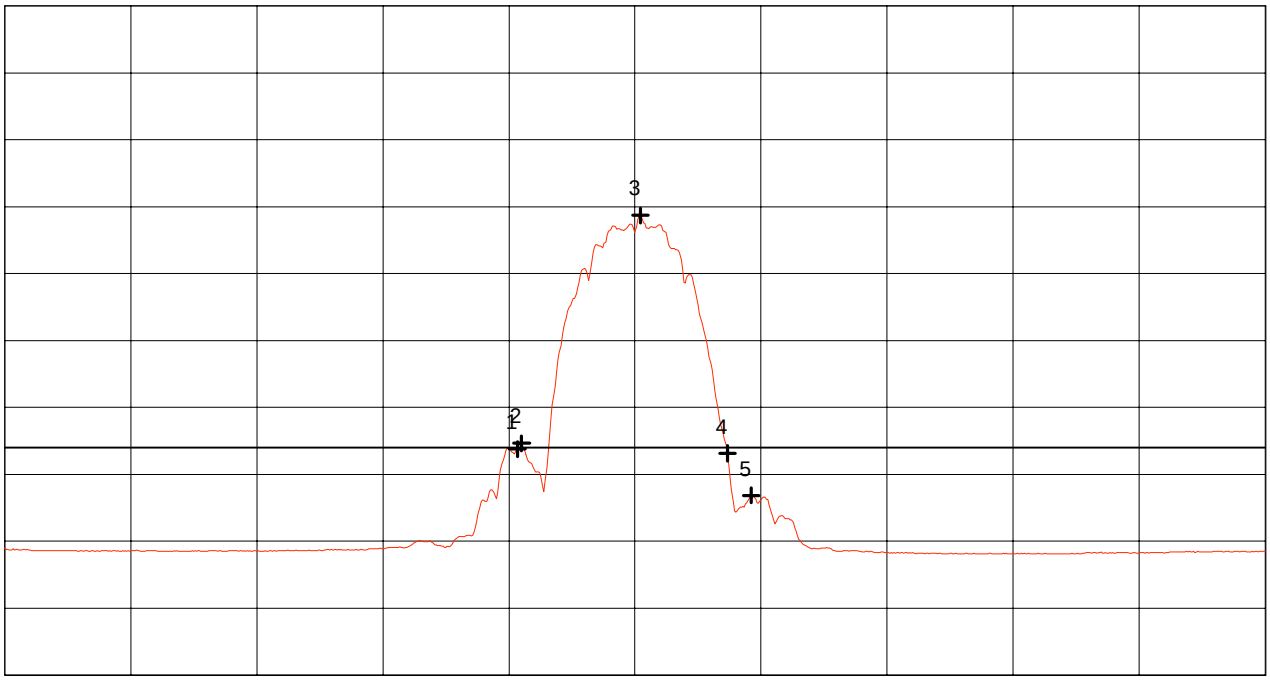
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.367 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.517 GHz
SWP 4.60 s

**** Multi Marker ****

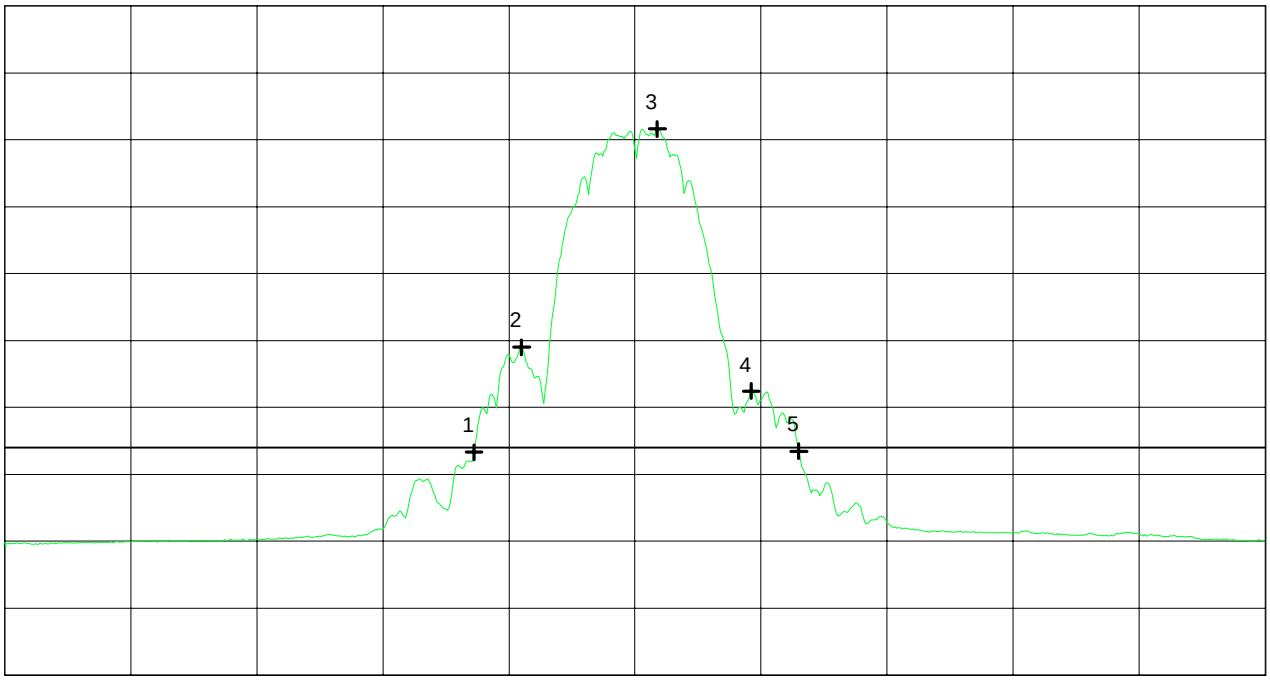
Nr.1	2.428000 GHz	53.78 dBµV/m
Nr.2	2.428500 GHz	54.62 dBµV/m
Nr.3	2.442667 GHz	88.70 dBµV/m
Nr.4	2.453000 GHz	53.12 dBµV/m
Nr.5	2.455833 GHz	46.83 dBµV/m
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m ATT 5 dB Ref. Offset 21.3 dB
10 dB dB/Div.



Start 2.367 GHz Stop 2.517 GHz
RBW 1 MHz VBW 100 Hz SWP 4.60 s

**** Multi Marker ****

Nr.1	2.422833 GHz	53.28 dBµV/m
Nr.2	2.428500 GHz	68.99 dBµV/m
Nr.3	2.444667 GHz	101.60 dBµV/m
Nr.4	2.455833 GHz	62.44 dBµV/m
Nr.5	2.461500 GHz	53.45 dBµV/m
Nr.6		
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
2.4522	vertical	73.0		0.6	20.7	73.0	OB
2.4637	vertical	105.7		0.6	20.7	105.7	OB
2.4730	vertical	73.9		0.6	20.7	73.9	OB
2.4835	vertical	57.8		0.6	20.7	57.8	74
2.4845	vertical	58.7		0.6	20.7	58.7	74
2.5000	vertical	54.5		0.6	20.7	54.5	74
2.8160	vertical	44.4		0.7	23.7	44.4	74
4.9296	vertical	41.8	-92.7		27.3	41.6	74

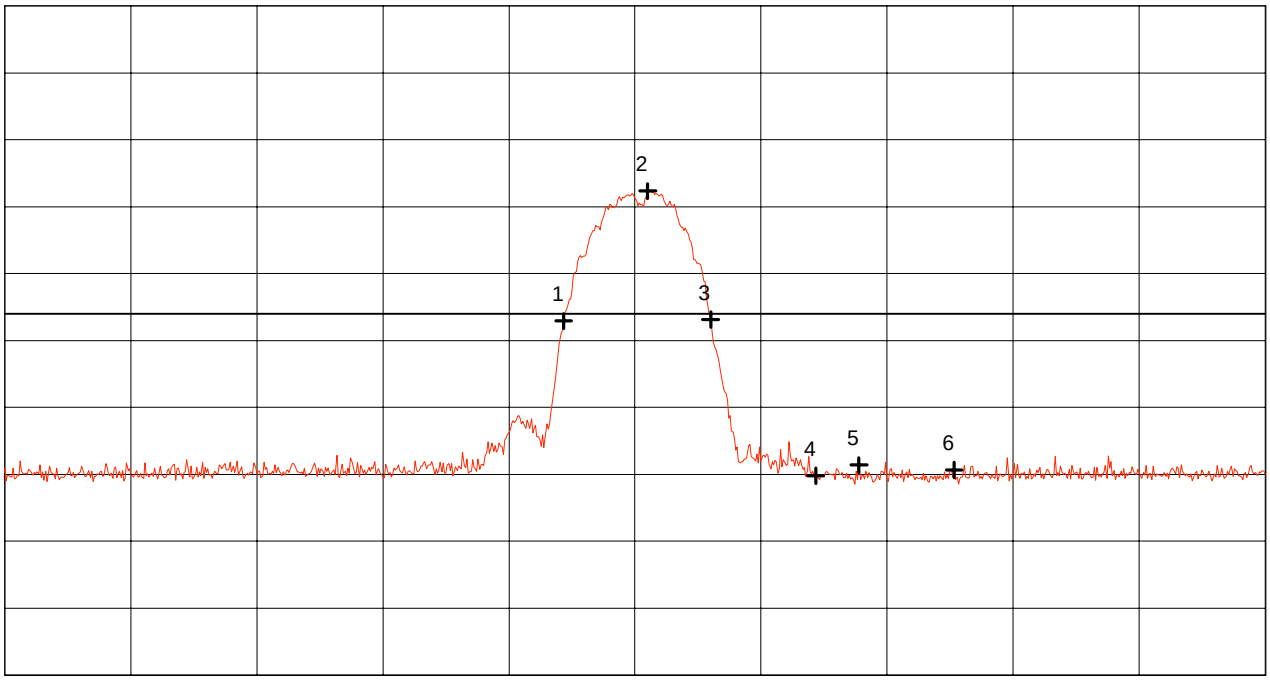
Note: OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 105.7 dBµV/m.

Result: The limits are kept

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m ATT 5 dB Ref. Offset 21.3 dB
10 dB dB/Div.



Start 2.387 GHz Stop 2.537 GHz
RBW 1 MHz VBW 1 MHz SWP 20 ms

**** Multi Marker ****

Nr.1	2.453500 GHz	72.93 dBµV/m
Nr.2	2.463500 GHz	92.33 dBµV/m
Nr.3	2.471000 GHz	73.13 dBµV/m
Nr.4	2.483500 GHz	49.77 dBµV/m
Nr.5	2.488667 GHz	51.40 dBµV/m
Nr.6	2.500000 GHz	50.63 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

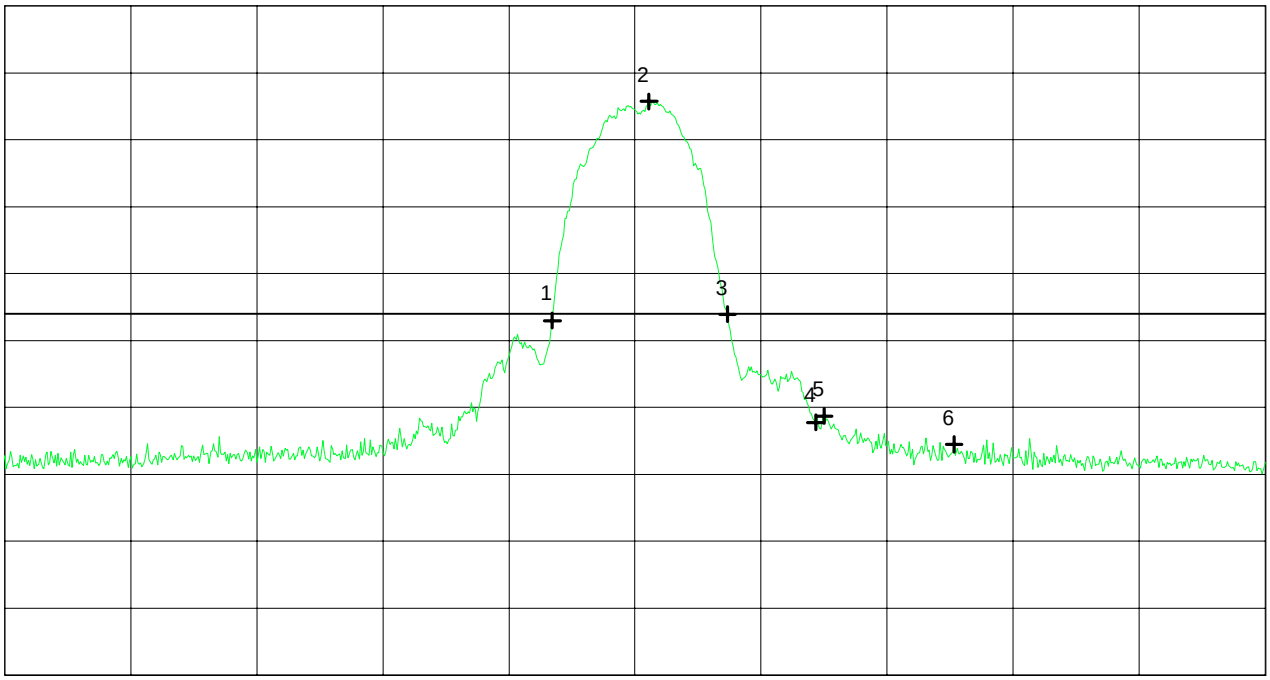
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB 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 ****

Nr.1	2.452167 GHz	72.98 dBµV/m
Nr.2	2.463667 GHz	105.74 dBµV/m
Nr.3	2.473000 GHz	73.92 dBµV/m
Nr.4	2.483500 GHz	57.77 dBµV/m
Nr.5	2.484500 GHz	58.71 dBµV/m
Nr.6	2.500000 GHz	54.47 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

Radiated Emission 1 GHz - 25 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- operating with bit rate 11 Mbps

- TX mode with f = 2.462 GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
2.4433	vertical	53.3		0.6	20.7	53.3	OB
2.4630	vertical	101.0		0.6	20.7	101.0	OB
2.4813	vertical	53.8		0.6	20.7	53.8	OB
2.4835	vertical	45.8		0.6	20.7	45.8	54
2.4848	vertical	46.2		0.6	20.7	46.2	54
2.5000	vertical	40.5		0.6	20.7	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 101.0 dBµV/m.

Result: The limits are kept

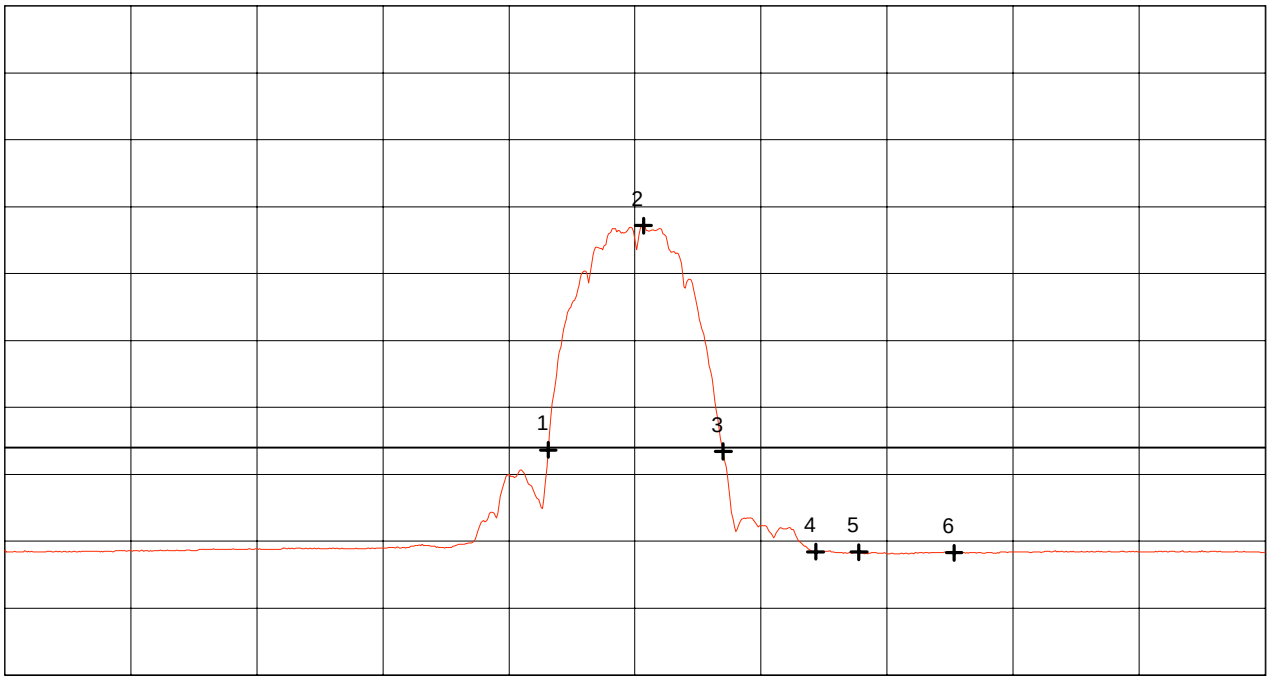
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Test distance: 3 meters Polarization: horizontal
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.387 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.537 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.451667 GHz	53.63 dBµV/m
Nr.2	2.463000 GHz	87.18 dBµV/m
Nr.3	2.472500 GHz	53.40 dBµV/m
Nr.4	2.483500 GHz	38.40 dBµV/m
Nr.5	2.488667 GHz	38.34 dBµV/m
Nr.6	2.500000 GHz	38.27 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

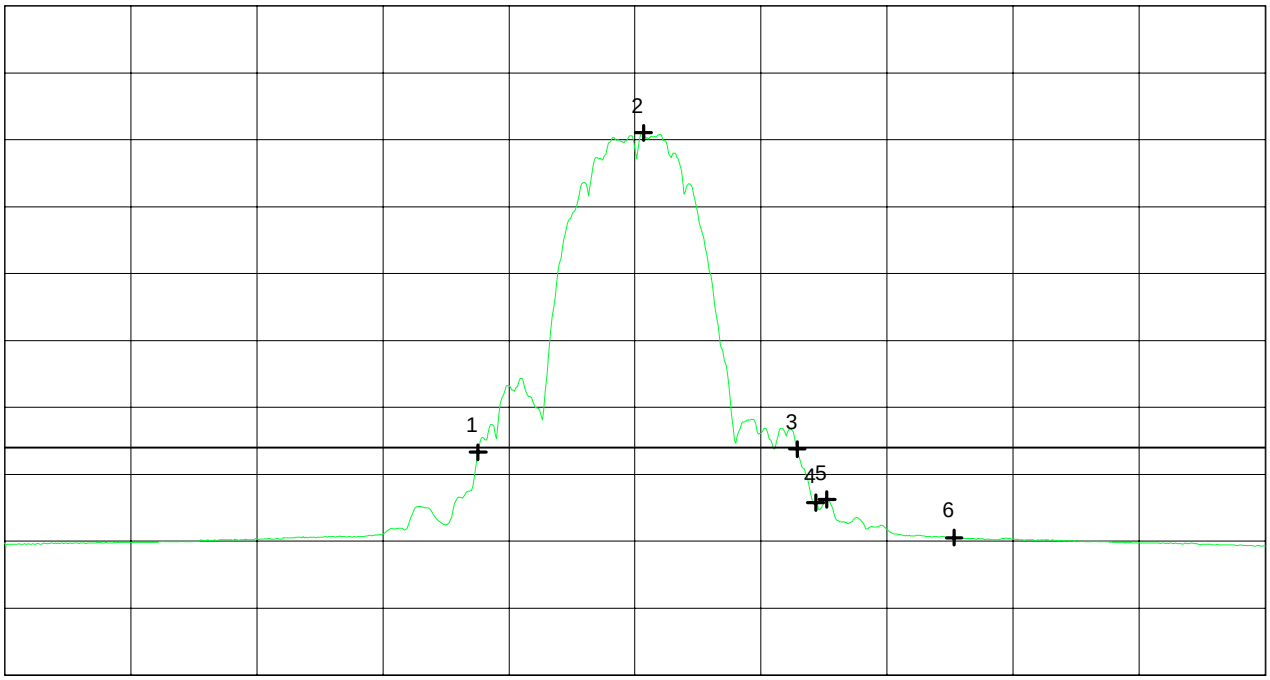
Radiated emission 1 GHz - 25 GHz acc. to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz Test distance: 3 meters Polarization: vertical
Serial No.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	

Ref.Level 120 dBµV/m
10 dB dB/Div.

ATT 5 dB

Ref. Offset 21.3 dB



Start 2.387 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.537 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.443333 GHz	53.30 dBµV/m
Nr.2	2.463000 GHz	101.02 dBµV/m
Nr.3	2.481333 GHz	53.78 dBµV/m
Nr.4	2.483500 GHz	45.76 dBµV/m
Nr.5	2.484833 GHz	46.22 dBµV/m
Nr.6	2.500000 GHz	40.53 dBµV/m
Nr.7		
Nr.8		

Tested by: Rainer Heller	Project-No.: 56305-90203-1
Date: 03/17/1999	

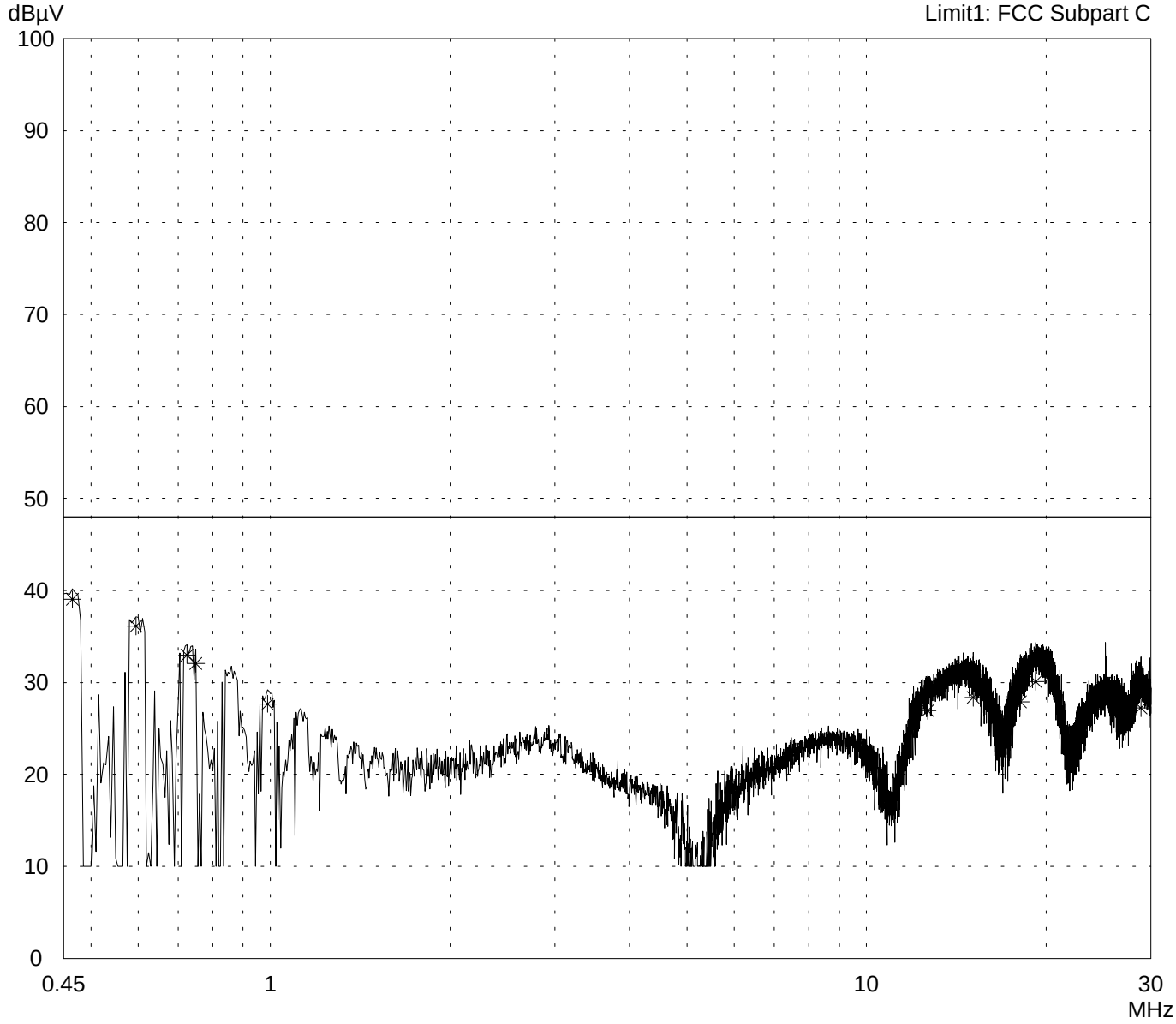
Test results for

Receive (RX) mode

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.465	39.0		39.0	48.0	
0.595	36.1		36.1	48.0	
0.725	33.0		33.0	48.0	
0.750	32.1		32.1	48.0	
0.990	27.7		27.7	48.0	
12.655	26.9		26.9	48.0	
15.115	28.4		28.4	48.0	
18.115	27.9		27.9	48.0	
19.215	30.1		30.1	48.0	
25.175	30.0		30.0	48.0	
28.840	27.2		27.2	48.0	

Result:
Limit kept

Project file:
56305-90203-1

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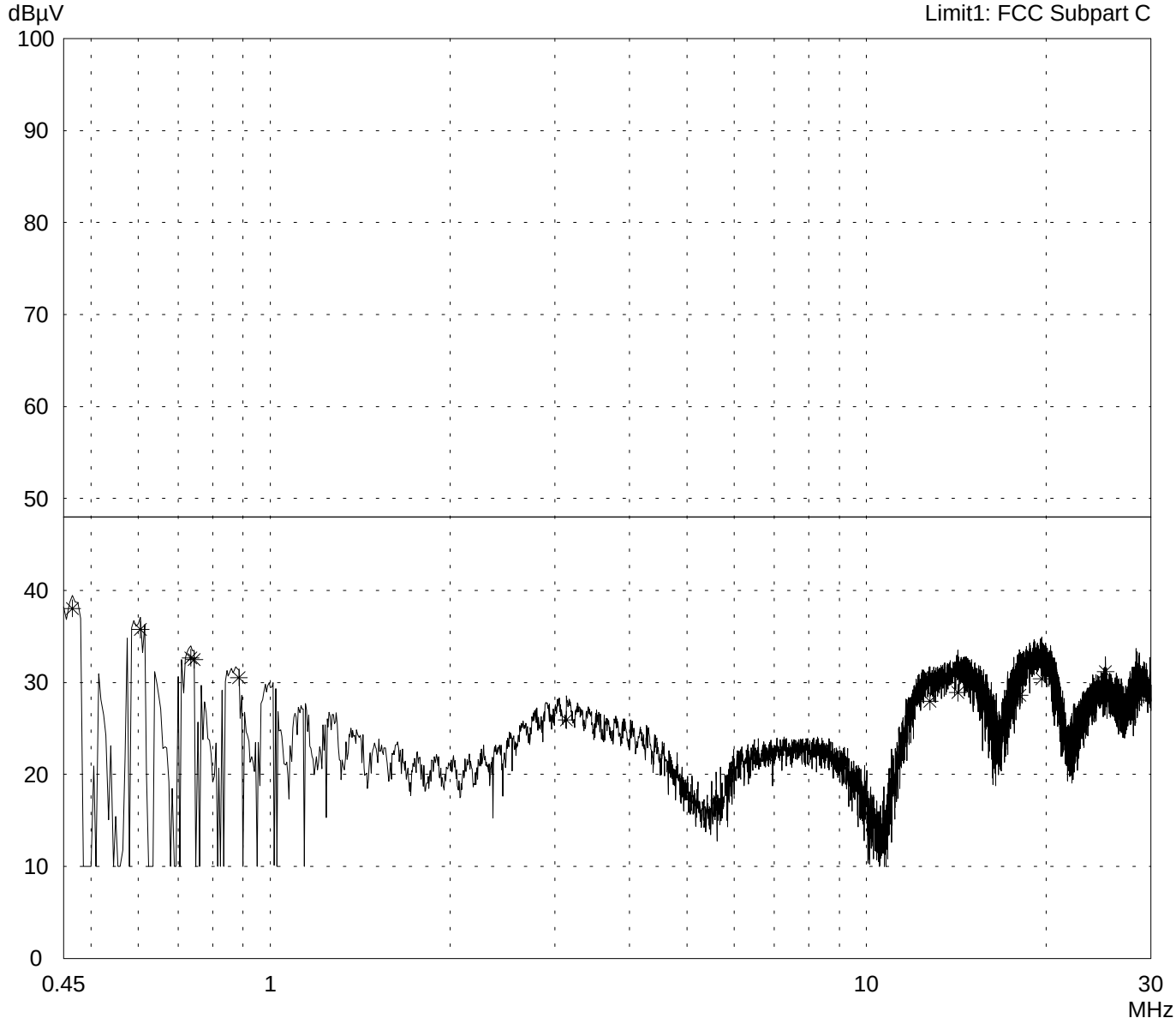
Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
0.465	38.1		38.1	48.0	
0.605	35.8		35.8	48.0	
0.735	32.7		32.7	48.0	
0.745	32.5		32.5	48.0	
0.885	30.5		30.5	48.0	
3.140	25.9		25.9	48.0	
12.770	27.9		27.9	48.0	
14.235	28.9		28.9	48.0	
18.065	28.6		28.6	48.0	
19.680	30.4		30.4	48.0	
25.180	31.2		31.2	48.0	
28.325	28.1		28.1	48.0	

Result:
Limit kept

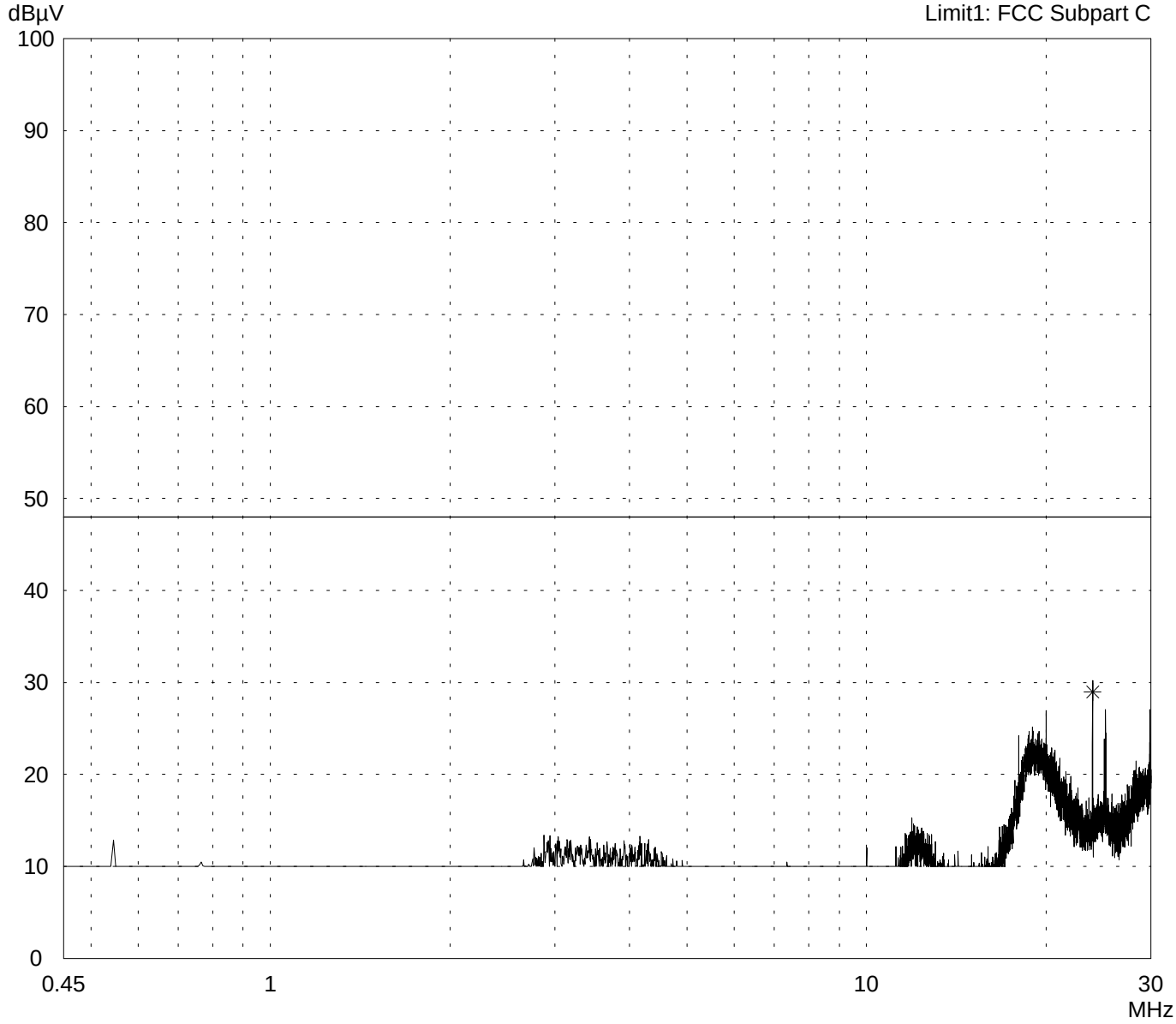
Project file:
56305-90203-1

Senton GmbH / EMI/EMC Laboratories / Aeussere Fruehlingsstrasse 45 / D-94315 Straubing / Tel. +49 9421 55220

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1 Page 151of 165 pages

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
23.94	29.0		29.0	48.0	

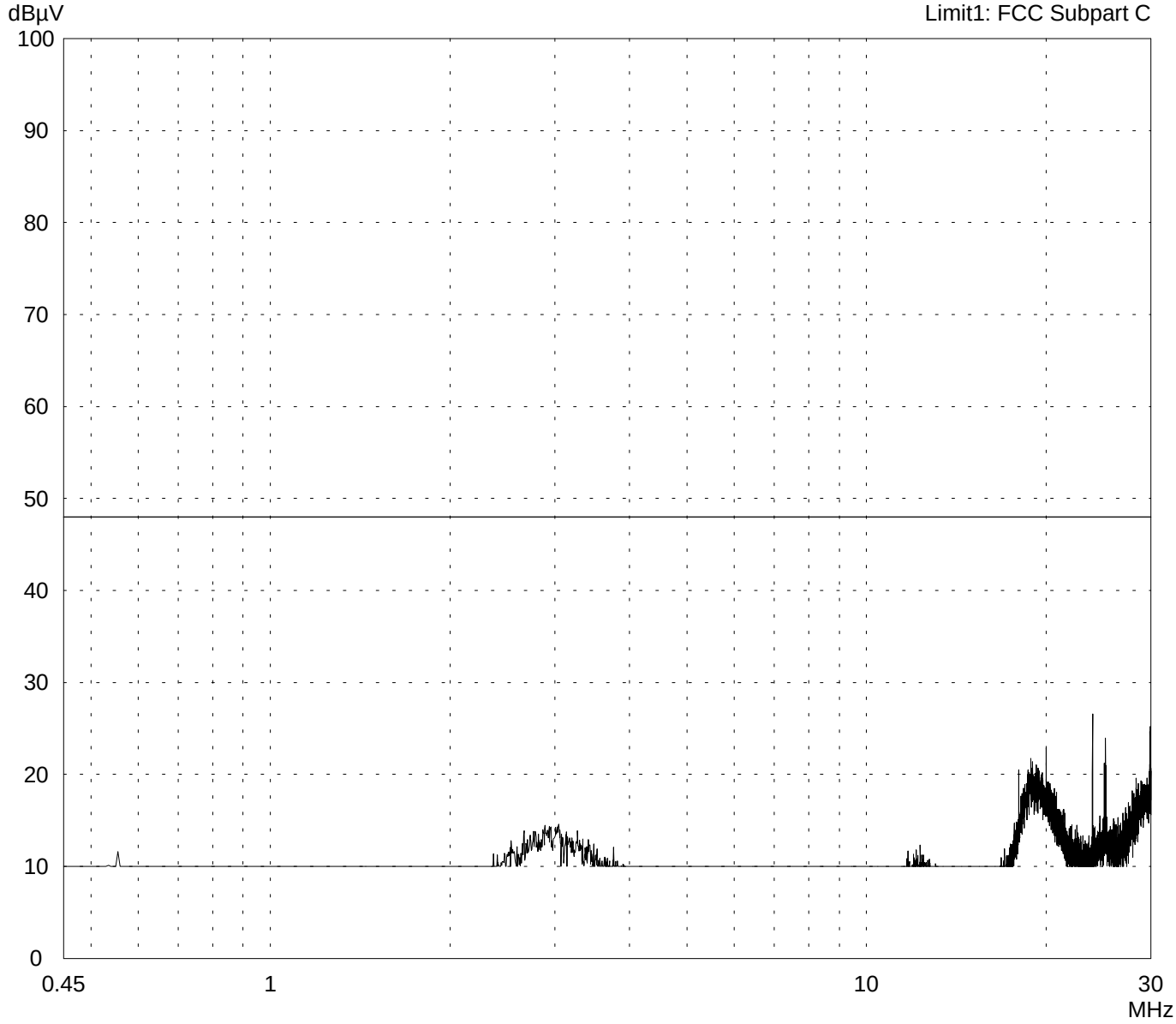
Result:
Limit kept

Project file:
56305-90203-1

Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56305-90203-1

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Conducted Emission Test 450 kHz - 30 MHz
according to FCC Part 15 Subpart C

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 03/19/1999

Operator: R. Heller

Test performed: automatically

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV*	*Limit dBµV*	*Limit exceeded*
no results					

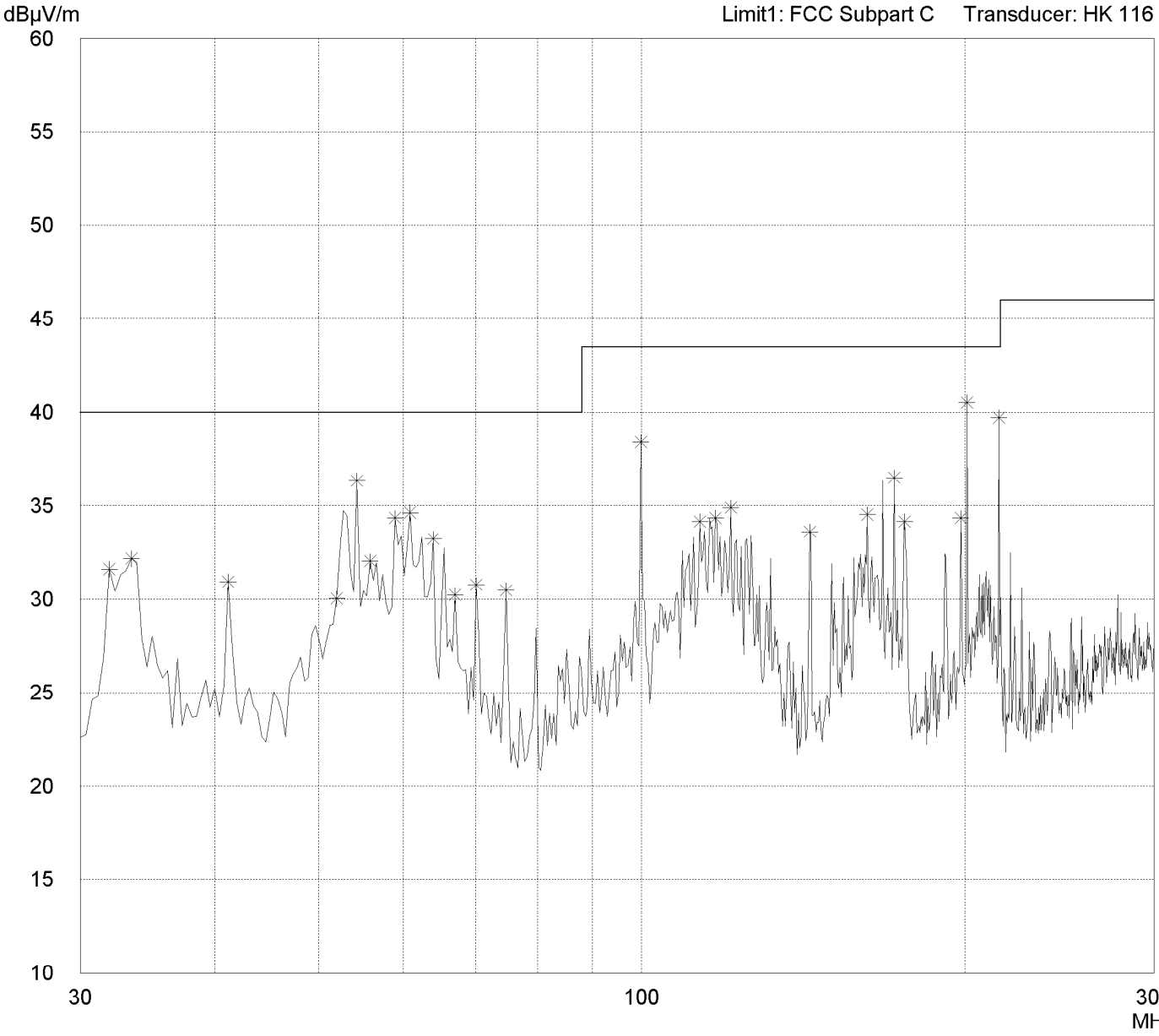
Result:
Limit kept

Project file:
56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 / Operator: R. Heller	
Test performed: automatically / File name:	

Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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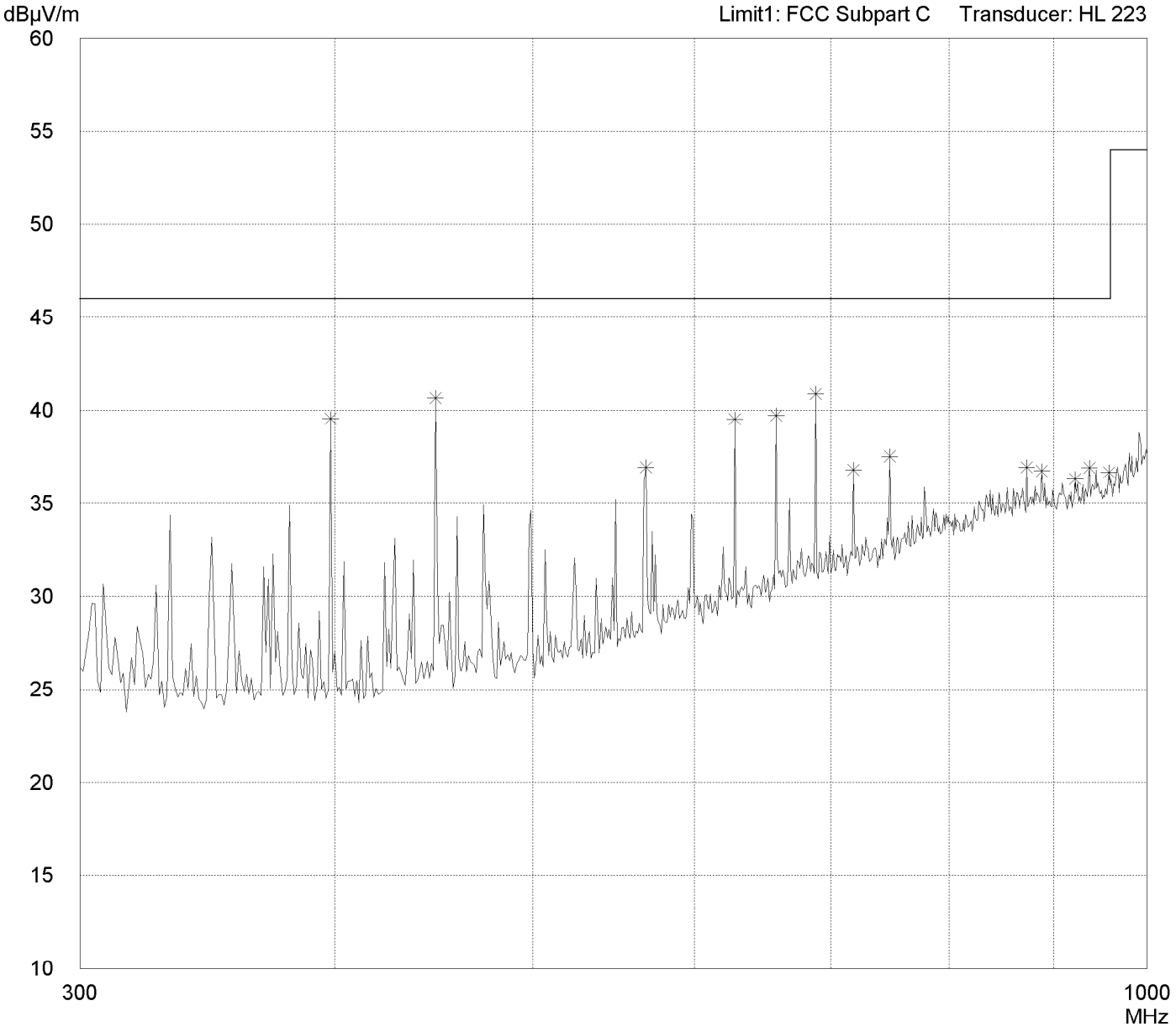
Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges

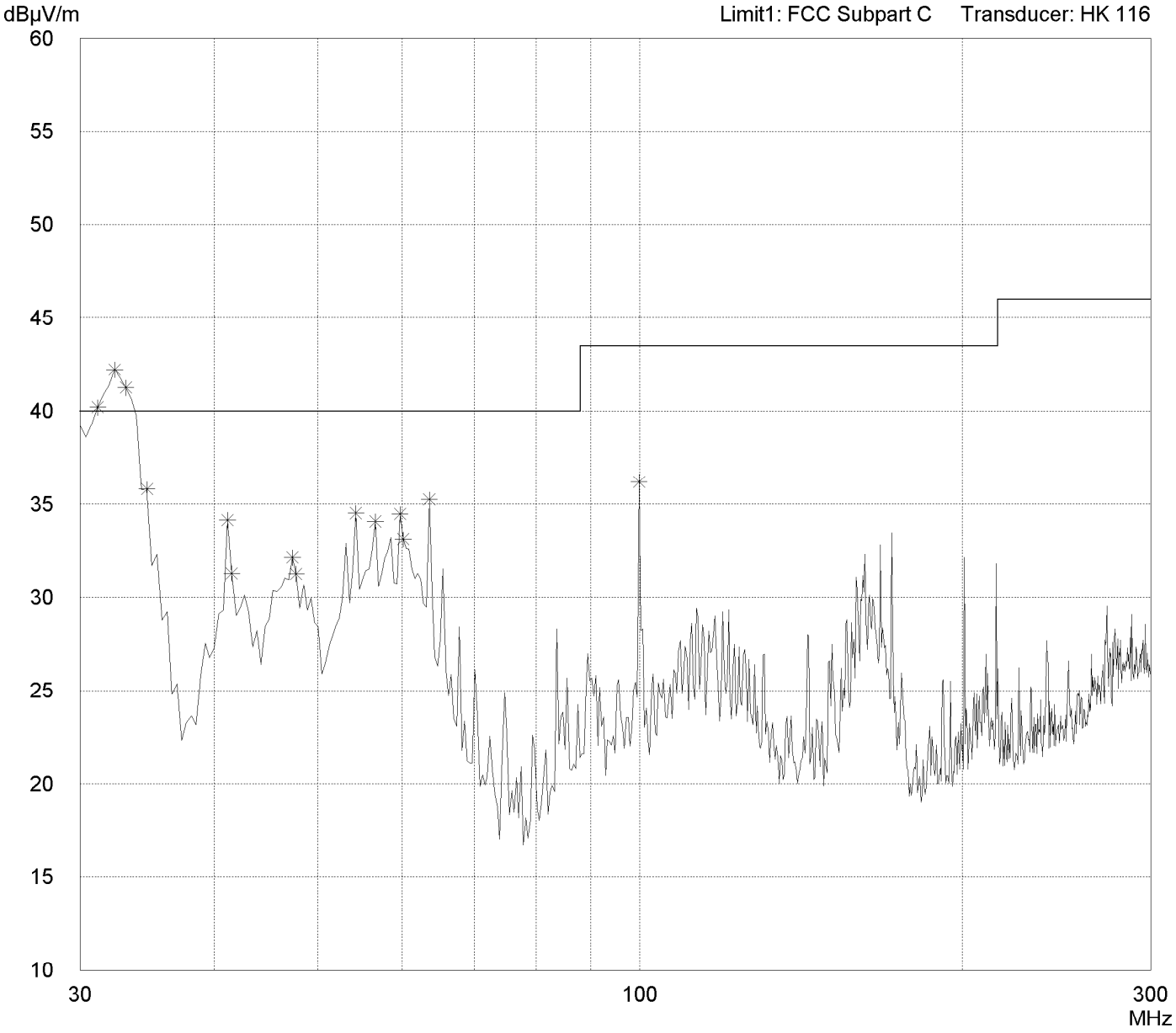


Result: Prescan	Project file: 56305-90203-1 — Page 156 of 165 pages

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

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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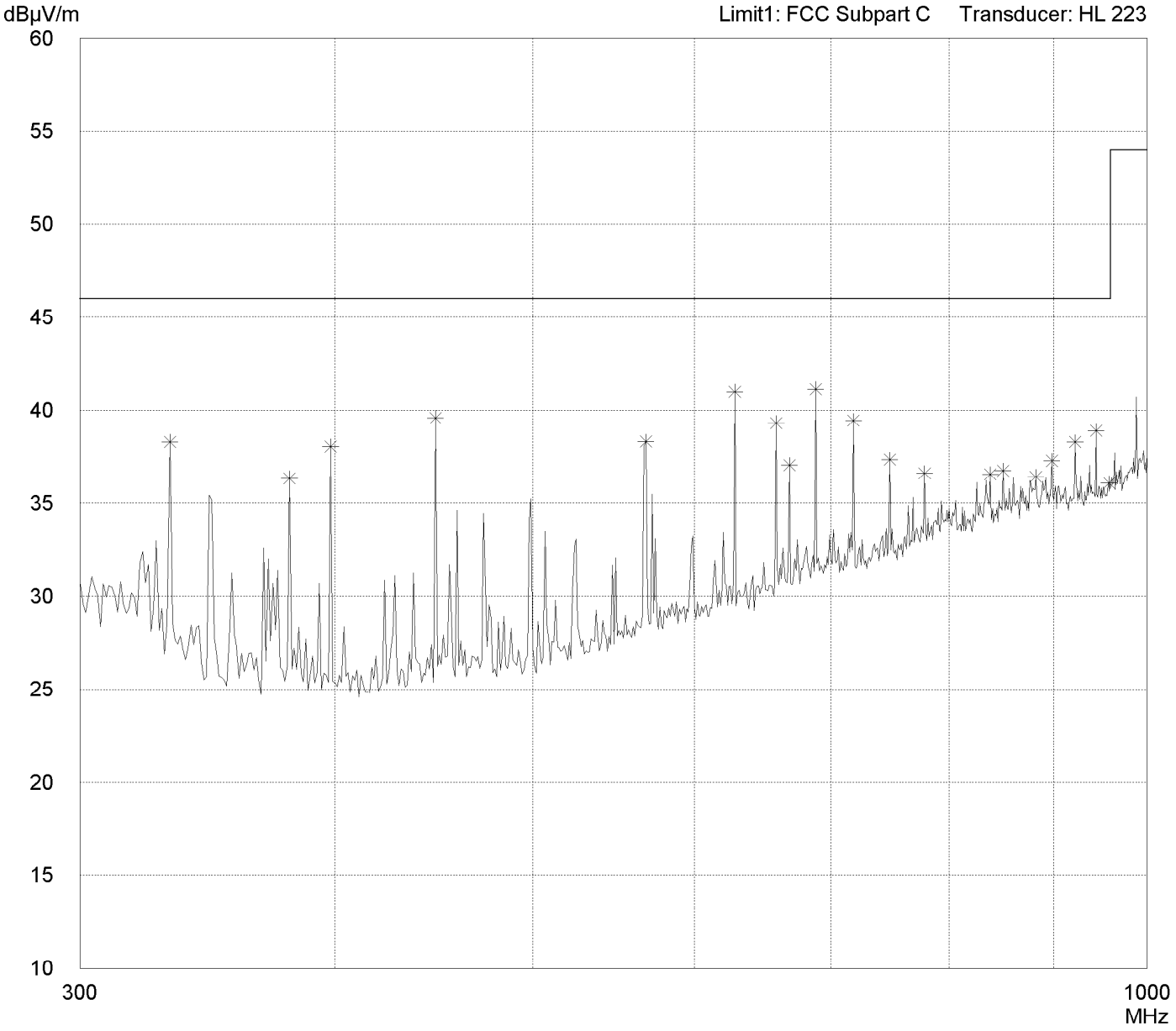
Radiated Emission Test 300 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode: - RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Serial no.: 90890026	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Semi anechoic room, cabin no. 3	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/18/1999 — Operator: R. Heller	
Test performed: automatically — File name:	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



Result: Prescan	Project file: 56305-90203-1

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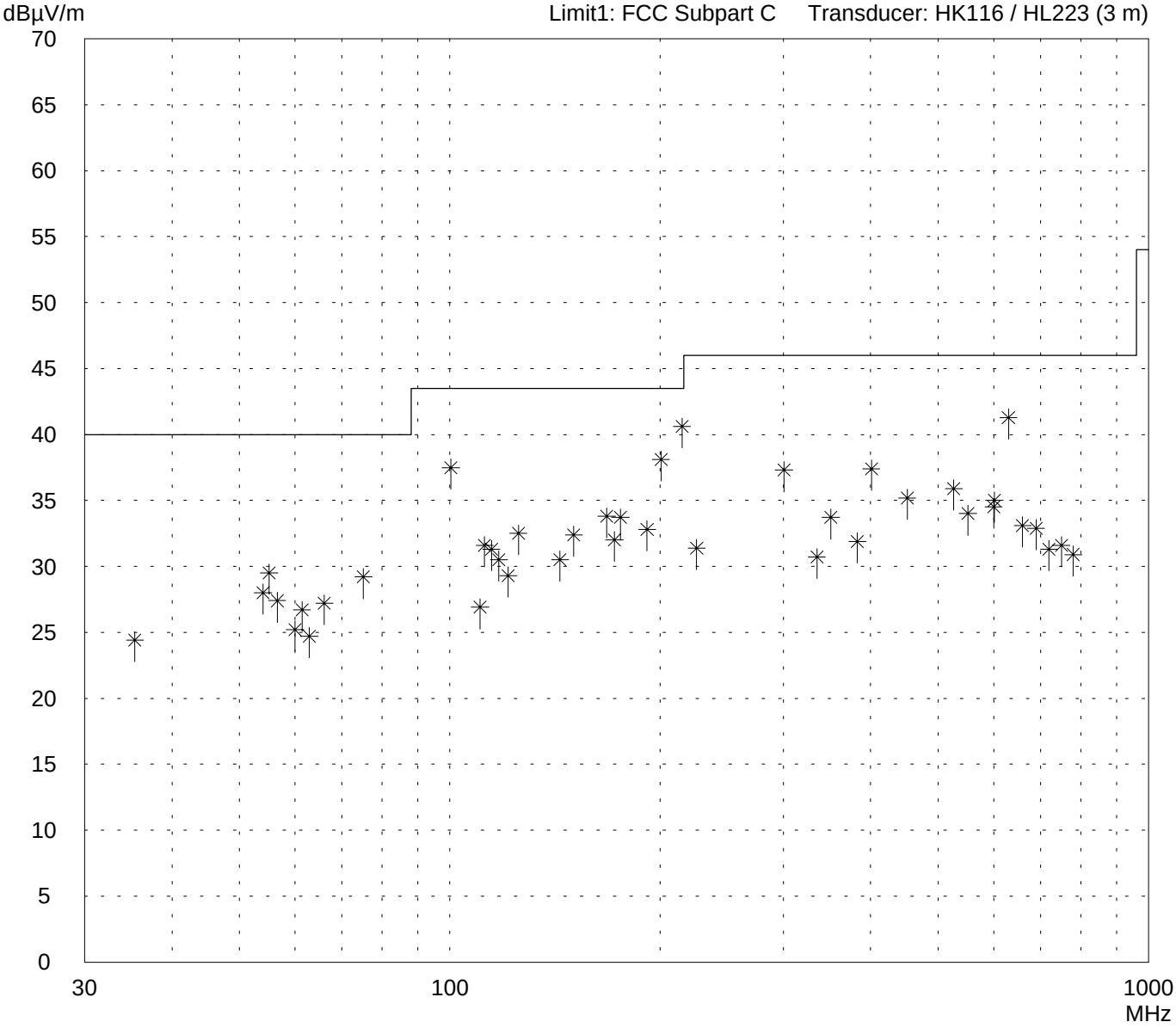
Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
35.4	11.0	13.4	24.4	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	19.0	10.5	29.5	40.0	
56.6	17.0	10.4	27.4	40.0	
60.0	15.0	10.2	25.2	40.0	
61.4	16.5	10.2	26.7	40.0	
62.9	14.5	10.2	24.7	40.0	
66.1	17.0	10.2	27.2	40.0	
75.2	19.0	10.2	29.2	40.0	
100.3	26.0	11.5	37.5	43.5	
110.4	14.5	12.4	26.9	43.5	
112.1	19.0	12.6	31.6	43.5	
114.6	18.5	12.8	31.3	43.5	
117.5	17.5	13.0	30.5	43.5	
121.2	16.0	13.3	29.3	43.5	
125.3	19.0	13.5	32.5	43.5	
143.7	16.0	14.5	30.5	43.5	
150.4	17.5	14.9	32.4	43.5	
167.6	18.0	15.8	33.8	43.5	
171.9	16.0	16.0	32.0	43.5	
175.4	17.5	16.2	33.7	43.5	
191.5	16.0	16.8	32.8	43.5	
200.5	21.0	17.1	38.1	43.5	
214.8	23.0	17.6	40.6	43.5	
225.5	13.5	17.9	31.4	46.0	
300.7	20.5	16.8	37.3	46.0	
335.2	12.5	18.2	30.7	46.0	
350.8	15.0	18.7	33.7	46.0	
383.1	12.0	19.9	31.9	46.0	
401.0	17.0	20.4	37.4	46.0	
451.1	13.5	21.7	35.2	46.0	
526.3	12.5	23.4	35.9	46.0	
551.3	10.0	24.0	34.0	46.0	
600.1	9.5	25.0	34.5	46.0	
601.4	10.0	25.0	35.0	46.0	
630.1	15.5	25.8	41.3	46.0	

Result: Limit kept

Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
660.1	6.5	26.6	33.1	46.0	
690.1	5.5	27.4	32.9	46.0	
720.1	3.5	27.8	31.3	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	2.5	28.4	30.9	46.0	

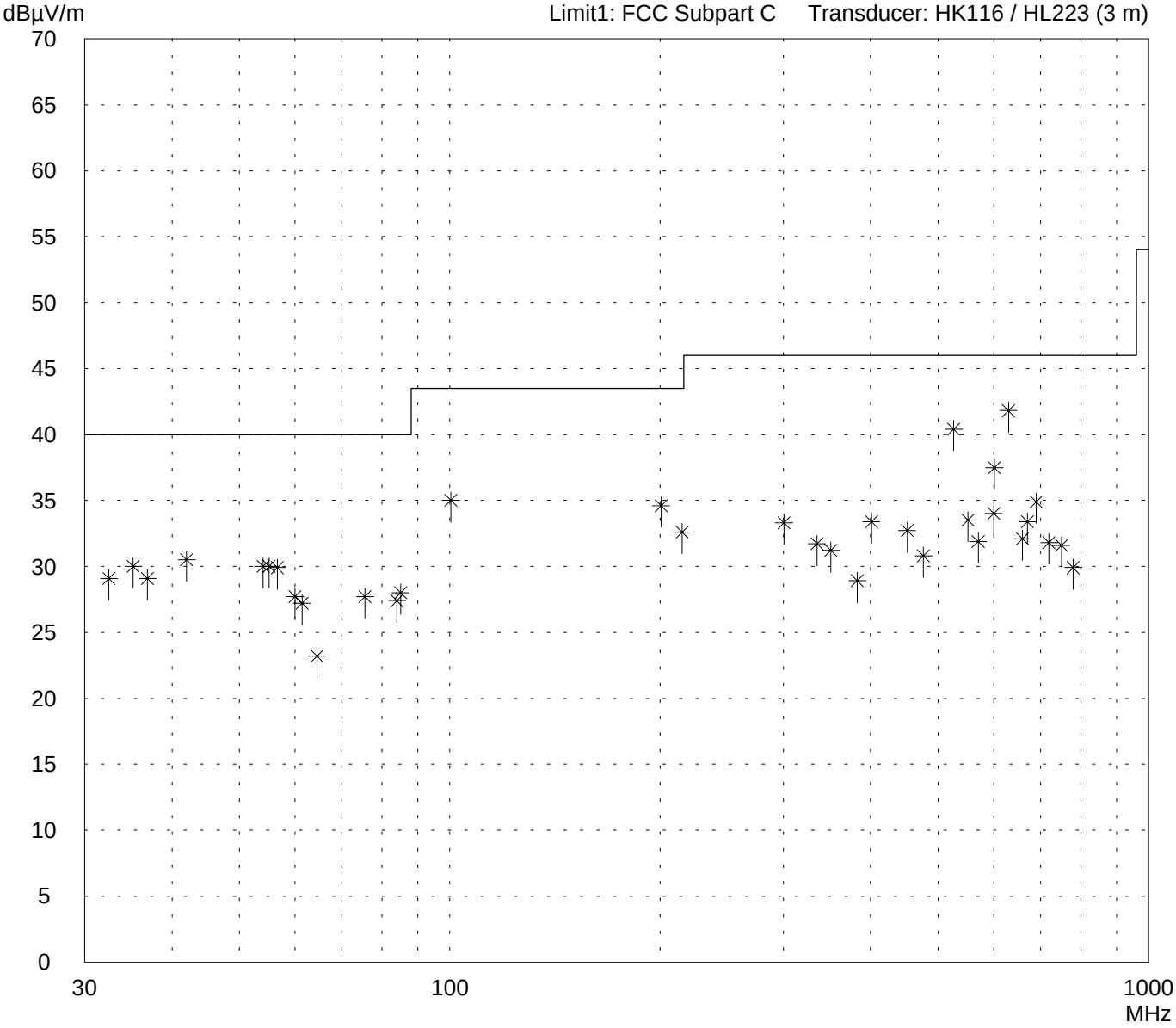
Result: Limit kept

Project file: 56305-90203-1

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

Model: LUC PC24-H-FC	Mode:
Serial no.: 90890026	- RF-modem PC24-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - with external antenna AIN24-OD-0202 (1.5 m antenna cable) - RX mode with f = 2.442 GHz
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 03/19/1999 / Operator: R. Heller	
Test performed: by hand / File name:	

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



Result: Limit kept	Project file: 56305-90203-1

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

Model:
LUC PC24-H-FC

Serial no.:
90890026

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 03/19/1999

Operator: R. Heller

Test performed: by hand

File name:

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-0202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector: Quasi-Peak

List of values: Selected by hand

Frequency MHz	*Reading dBµV*	*Correction factor dB*	*Value dBµV/m*	*Limit dBµV/m*	*Limit exceeded*
32.5	15.0	14.1	29.1	40.0	
35.2	16.5	13.5	30.0	40.0	
36.9	16.0	13.1	29.1	40.0	
42.0	18.5	12.0	30.5	40.0	
54.0	19.5	10.5	30.0	40.0	
55.1	19.5	10.5	30.0	40.0	
56.6	19.5	10.4	29.9	40.0	
60.0	17.5	10.2	27.7	40.0	
61.4	17.0	10.2	27.2	40.0	
64.5	13.0	10.2	23.2	40.0	
75.6	17.5	10.2	27.7	40.0	
84.0	17.0	10.4	27.4	40.0	
85.0	17.5	10.5	28.0	40.0	
100.3	23.5	11.5	35.0	43.5	
200.5	17.5	17.1	34.6	43.5	
214.8	15.0	17.6	32.6	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	13.5	18.2	31.7	46.0	
350.8	12.5	18.7	31.2	46.0	
383.1	9.0	19.9	28.9	46.0	
401.0	13.0	20.4	33.4	46.0	
451.1	11.0	21.7	32.7	46.0	
476.1	8.5	22.3	30.8	46.0	
526.3	17.0	23.4	40.4	46.0	
551.3	9.5	24.0	33.5	46.0	
570.1	7.5	24.4	31.9	46.0	
600.1	9.0	25.0	34.0	46.0	
601.4	12.5	25.0	37.5	46.0	
630.1	16.0	25.8	41.8	46.0	
660.1	5.5	26.6	32.1	46.0	
670.4	6.5	26.9	33.4	46.0	
690.1	7.5	27.4	34.9	46.0	
720.1	4.0	27.8	31.8	46.0	
750.1	3.5	28.1	31.6	46.0	
780.1	1.5	28.4	29.9	46.0	

Result: Limit kept

Project file: 56305-90203-1

Radiated Emission 1 GHz - 12.5 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector: Peak

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
1.000 -12.500							74

Note: No levels above noise floor detected

Radiated Emission 1 GHz - 12.5 GHz
according to FCC Part 15 Subpart C

Model: LUC PC24-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 03/17/1999
Operator: R. Heller

Mode:
- RF-modem PC24-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- with external antenna AIN24-OD-202 (1.5 m antenna cable)

- RX mode with f = 2.442 GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer-reading [dBµV]	Generator-level [dBm]	Cable loss [dB]	Antenna-correction [dB]	Fieldstrength [dBµV/m]	Limit [dBµV/m]
1.000 -12.500							54

Note: No levels above noise floor detected