

Straubing, April 14, 1999

TEST - REPORT

No. 56305-90204-1

for

LUC PC24E-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

Note:

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

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1. Administrative Data

Equipment Under Test (EUT): LUC PC24E-H-FC
Serial number(s): 90990005 (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 PC24E-H-FC, part no. 011438
- external omni-directional antenna AOU24-OD-77, Maxrad, part no. 011006
- coaxial antenna cable 3/8", 50 ft, part no. 010317
- Hyperlink lightning arrestor, part no. 010997
- RF-IEEE cable, 50 cm, part no. 010995

(for additional information see "Configuration of EUT and Peripheral Devices" on page 8)
FCC-ID: IMRWLPCE24H

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 6 to April 21, 1999
Note: ---

Responsible for testing: Rainer Heller
Responsible for test report: Rainer Heller

2. Identification of Test Laboratory

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

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

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

Two configurations were tested:

Setup No. 1:

RF-modem module LUC PC24E-H-FC operating with internal antenna and mounted in PCMCIA slot of notebook AT & T Globalyst 200.

Setup No. 2:

RF-modem module LUC PC24E-H-FC operating with omni-directional antenna AOU24-OD-77 connected via 50 ft antenna cable, lightning arrestor and RF-IEEE cable and mounted in PCMCIA slot of personal computer AT & T Globalyst 550 via ISA adaptor board ISAPC-B0.

External antenna AOU24-OD-77 was mounted on top of a wooden tripod with 1.1 m height.

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

In combination with external antenna AOU24-OD-77 (setup no. 2) EUT is intended to be used with three versions of antenna cables. Depending on antenna cable the effective antenna gain is calculated by subtracting the appropriate total insertion loss including attenuation caused by RF-IEEE cable and lightning arrestor from the typical gain of external antenna (see table 2).

To combine maximum effective antenna gain with maximum length (with priority to gain) 50 ft cable was selected for testing.

Item	Part no.	Serial no.	Designation	Manufacturer
RF-modem	011438	90990005	LUC PC24E-H-FC	Lucent
External omni-directional antenna	011006	Sample no. 1	AOU24-OD-77	Maxrad
Coaxial antenna cable 3/8", 50 ft	010317	---	--- (cable type TWB 4001, N connector (male) on each side)	Amphenol
RF-IEEE cable, 50 cm (to be connected to RF-modem)	010995	---	--- (cable type Filotex P - EDE 296769, N connector (male) on antenna side)	Lucent
Lightning arrestor	010997	---	---	Hyperlink
Personal computer	---	17-26190719	Globalyst 550	AT & T
ISA adaptor board	010053	B2-8	ISAPC-B0	Lucent
Notebook	---	017-28730433	Globalyst 200	AT & T

Table 1: Accessories and host equipment

Part number	Antenna cable length	Type	Antenna gain AOU24-OD-77 [dBi]	Total insertion loss [dB]	Effective antenna gain [dBi]
010999	20 ft	LMR200	7.0	4.5	2.5
010317	50 ft	LMR400	7.0	4.5	2.5
011002	75 ft	LMR400	7.0	5.3	1.7

Table 2: Effective gain for external antenna AOU24-OD-77 and different antenna cables

6. Setup of Host

6.1. Setup No. 1

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-ID²: 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

6.2. Setup No. 2

Configuration of cables of host

- Unshielded power lines for AC-power supply of personal computer and monitor, Kawasaki, 180 cm
- Shielded video cable E101344 Style 2990 VW-1 connected to video interface of personal computer, AWM, 170 cm
- Shielded data cable connected to parallel interface of personal computer, 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

- Personal computer AT & T Globalyst 550:
Serial no.: 17-26190719 FCC-ID: CTD3246
- Lucent ISA-card ISAPC-B0:
Serial no.: B2-8
- Monitor Siemens S26361-K203-V311:
Serial no.: 17569281 FCC-ID: ASIC3X2
- PS/2-keyboard HP C1405A #ABD:
Serial no.: 3221S30020 FCC-ID³: B94VECTRA386S-20
- PS/2-mouse HP C1413A:
Serial no.: 3227M01197 FCC-ID: B94C1413X
- 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

³ 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

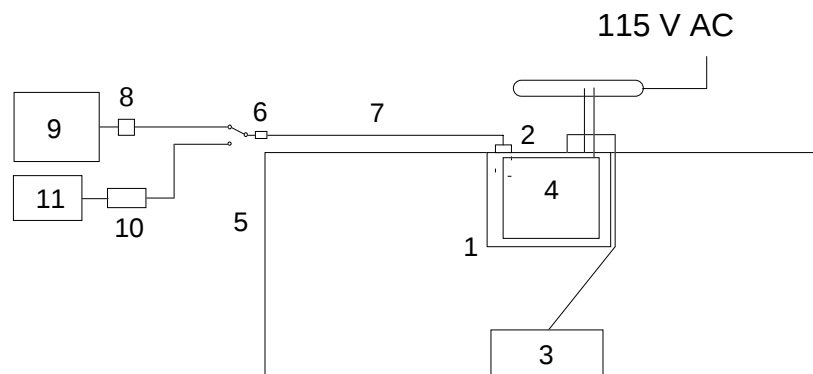


Figure 1: Measurement setup for testing on antenna connector

- | | |
|-----------------------------------|---------------------|
| 1 Personal computer with ISA-card | 6 DC-block |
| 2 RF-modem | 7 Adapter cable |
| 3 Keyboard | 8 Attenuator |
| 4 Monitor | 9 Spectrum analyzer |
| 5 Wooden table | 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 figures 2 and 3 for the measurement setups.

Test equipment used (see equipment list for details):

04, 22, 23, 60, 63

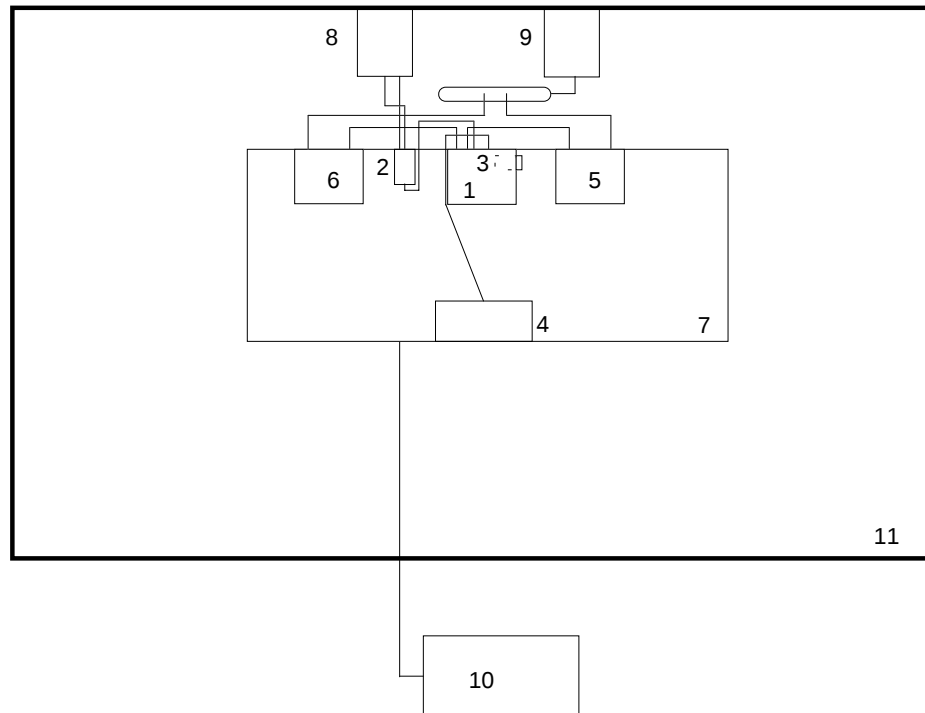


Figure 2: Measurement setup no. 1 for conducted emission test

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

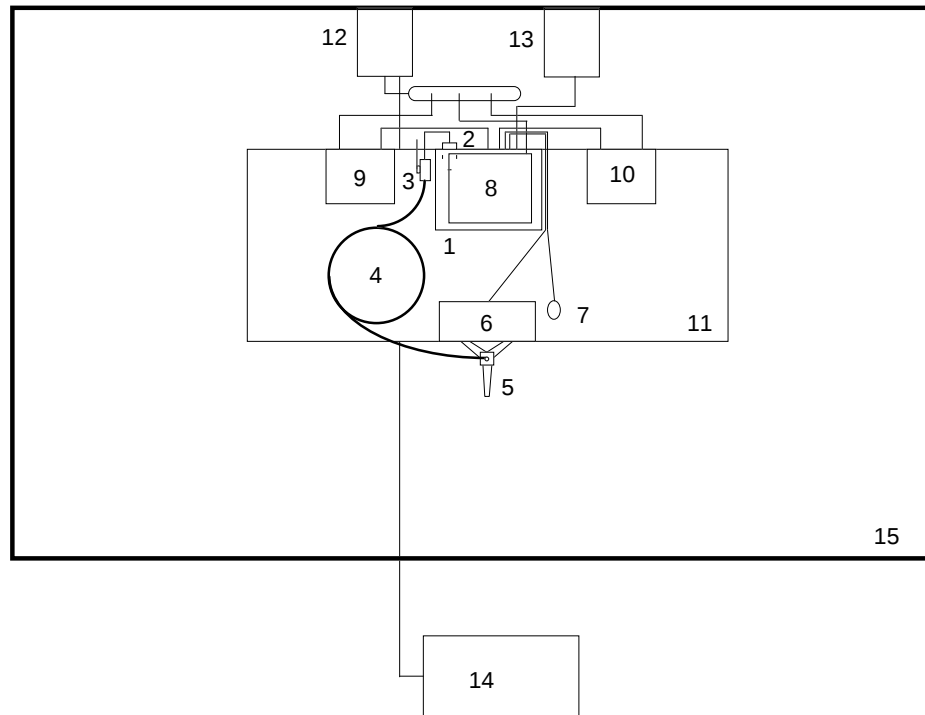


Figure 3: Measurement setup no. 2 for conducted emission test

- | | |
|--|---------------------------------------|
| 1 Personal computer with ISA-card | 12 LISN for EUT |
| 2 RF-modem | 13 LISN for peripheral devices |
| 3 Lightning arrestor with ground connection | 14 Test receiver |
| 4 Antenna cable | 15 Shielded room |
| 5 RF-antenna (2.4 GHz) mounted on wooden tripod | |
| 6 Keyboard | |
| 7 Mouse | |
| 8 Monitor | |
| 9 Parallel printer | |
| 10 Serial printer | |
| 11 Wooden table | |

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 figures 4 and 5 for the measurement setup.

Test equipment used (see equipment list for details):

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

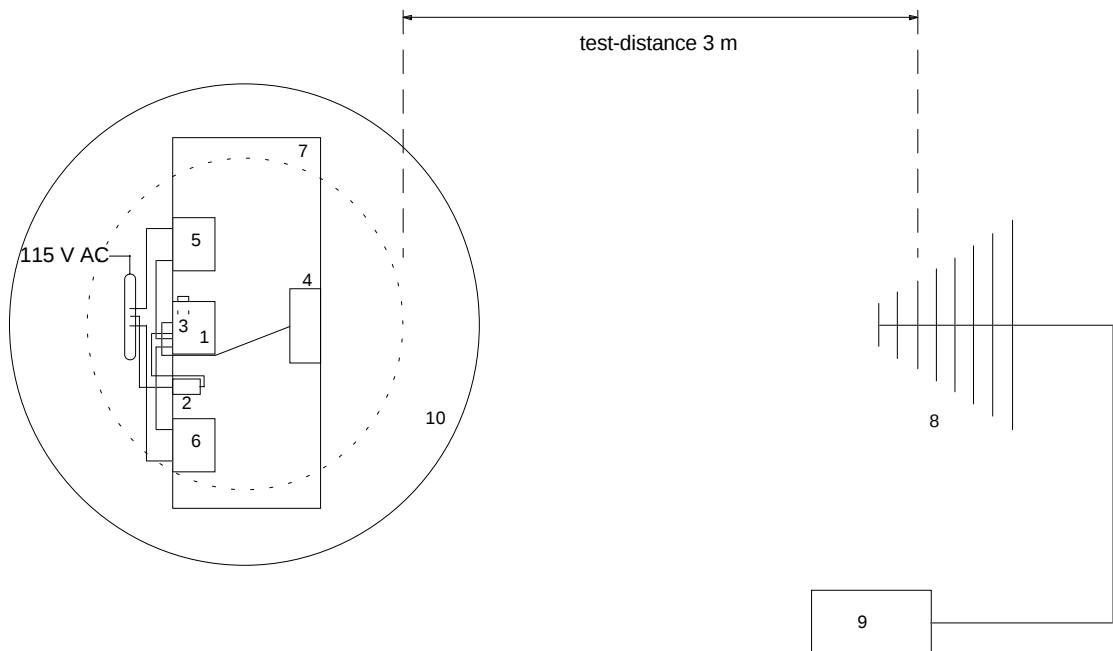


Figure 4: Measurement setup no. 1 for radiated emission test below 1 GHz

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

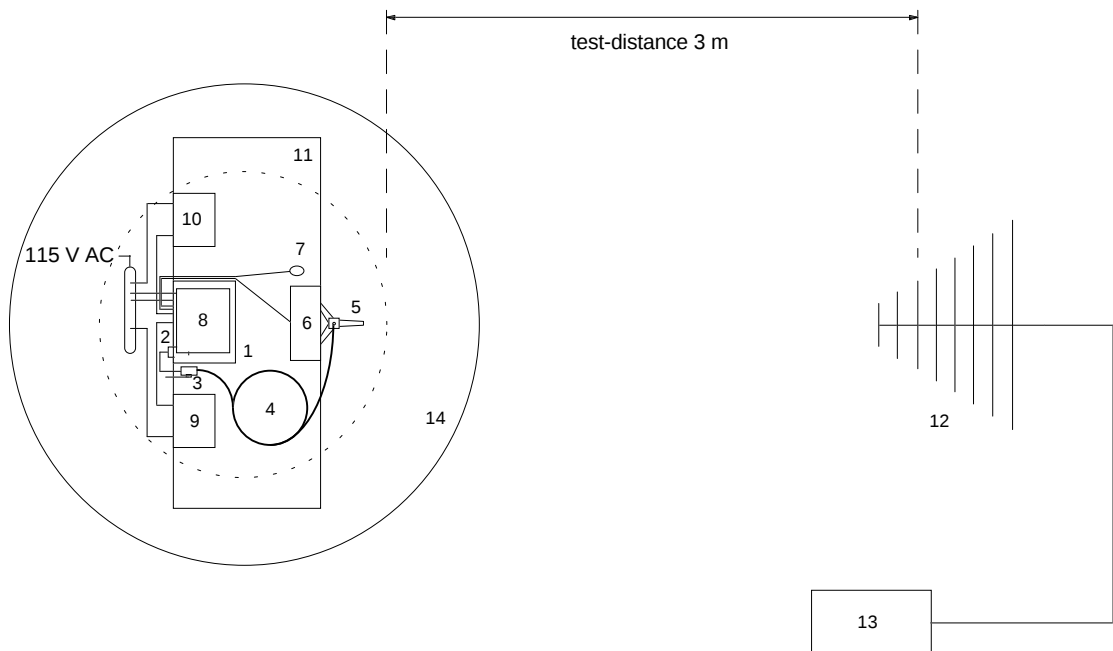


Figure 5: Measurement setup no. 2 for radiated emission test below 1 GHz

- | | |
|--|-------------------------------|
| 1 Personal computer with ISA-card | 12 Measurement antenna |
| 2 RF-modem | 13 Test receiver |
| 3 Lightning arrestor with ground connection | 14 Turn table |
| 4 Antenna cable | |
| 5 RF-antenna (2.4 GHz) mounted on wooden tripod | |
| 6 Keyboard | |
| 7 Mouse | |
| 8 Monitor | |
| 9 Parallel printer | |
| 10 Serial printer | |
| 11 Wooden 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 dB μ V/m and adding the antenna correction factor.

See figures 6 and 7 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

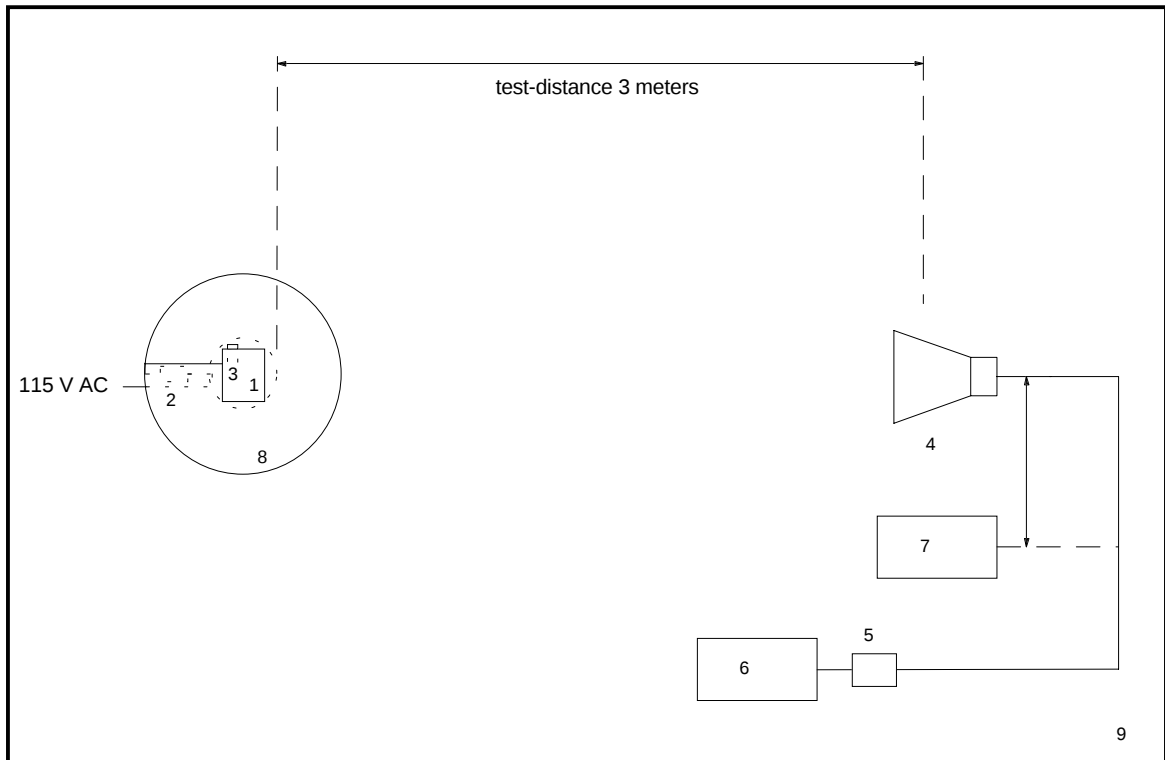


Figure 6: Measurement setup no. 1 for radiated emission test above 1 GHz

- | | |
|------------------------------------|---------------------------------------|
| 1 Notebook | 4 Measurement antenna |
| 2 Power supply for notebook | 5 Preamplifier (if applicable) |
| 3 RF-modem | 6 Spectrum analyzer |
| | 7 Signal generator |
| | 8 Turn table |
| | 9 Semi-anechoic room |

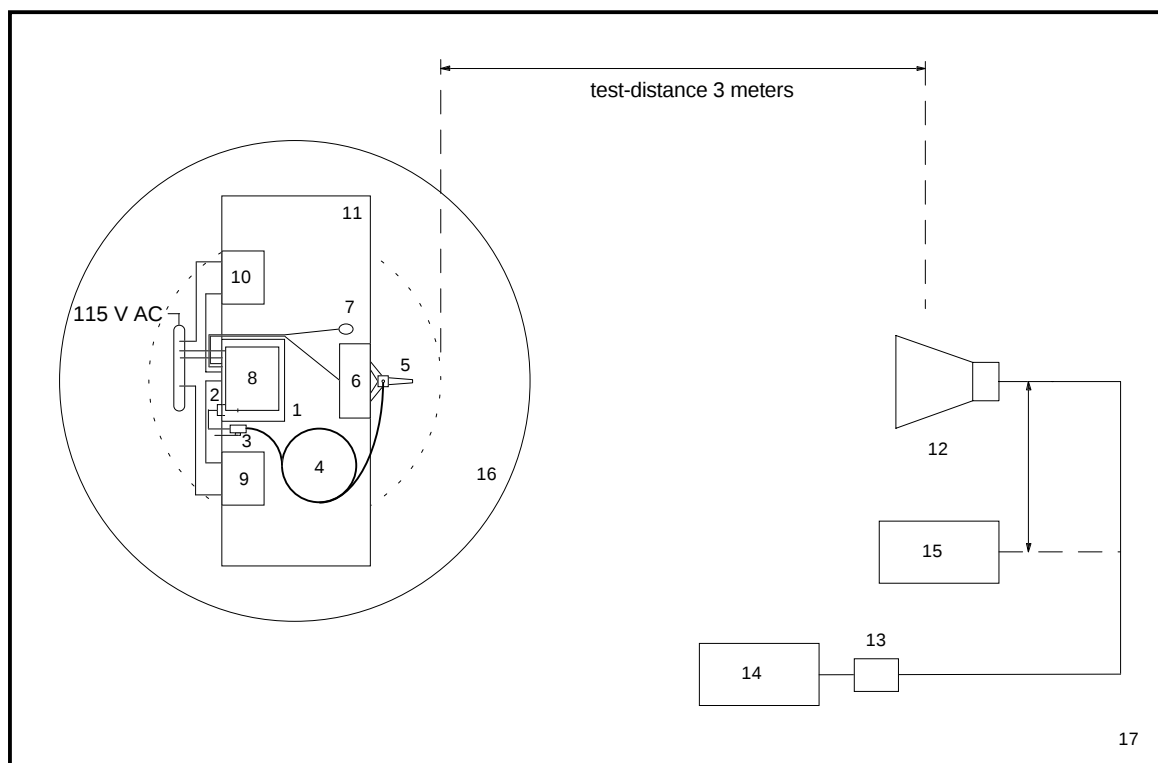


Figure 7: Measurement setup no. 2 for radiated emission test above 1 GHz

- | | |
|--|--|
| 1 Personal computer with ISA-card | 12 Measurement antenna |
| 2 RF-modem | 13 Preamplifier (if applicable) |
| 3 Lightning arrestor with ground connection | 14 Spectrum analyzer |
| 4 Antenna cable | 15 Signal generator |
| 5 RF-antenna (2.4 GHz) mounted on wooden tripod | 16 Turn table |
| 6 Keyboard | 17 Semi-anechoic room |
| 7 Mouse | |
| 8 Monitor | |
| 9 Parallel printer | |
| 10 Serial printer | |
| 11 Wooden table | |

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

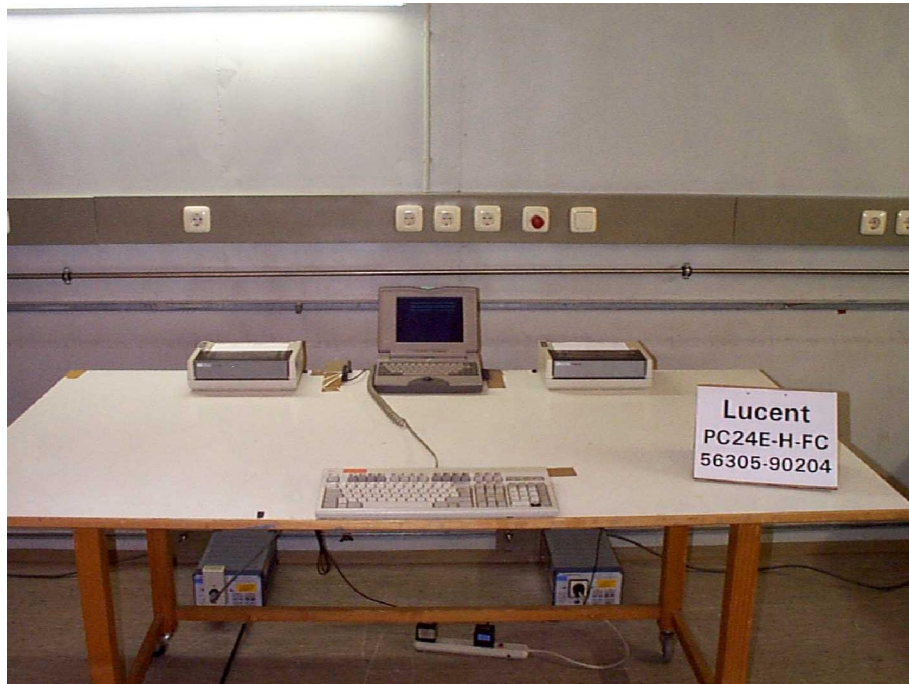
No.	Type	Model	Serial Number	Manufacturer
35	Absorbing Clamp	MDS 21	80911	Lüthi
36	Absorbing Clamp	MDS 21	79690	Lüthi
37	Loop Antenna	HFH2-Z2	882964/1	Rohde & Schwarz
38	Biconical Antenna	HK 116	842204/001	Rohde & Schwarz
39	Biconical Antenna	HK 116	836239/02	Rohde & Schwarz
40	Log. Periodic Antenna	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

9.1. Photographs of Test Setup No. 1

Photo No. 9.1.1

Test setup no. 1 for conducted emission test 450 kHz - 30 MHz



Photos No. 9.1.2 - 9.1.3**Test setup no. 1 for conducted emission test 450 kHz - 30 MHz
(continued)**

Photos No. 9.1.4 - 9.1.5

**Test setup no. 1 for radiated emission pre-test 30 MHz - 1 GHz
(semi anechoic room)**



Photos No. 9.1.6 - 9.1.7

**Test setup no. 1 for radiated emission final test 30 MHz - 1 GHz
(open area test site)**



Photos No. 9.1.8 - 9.1.9

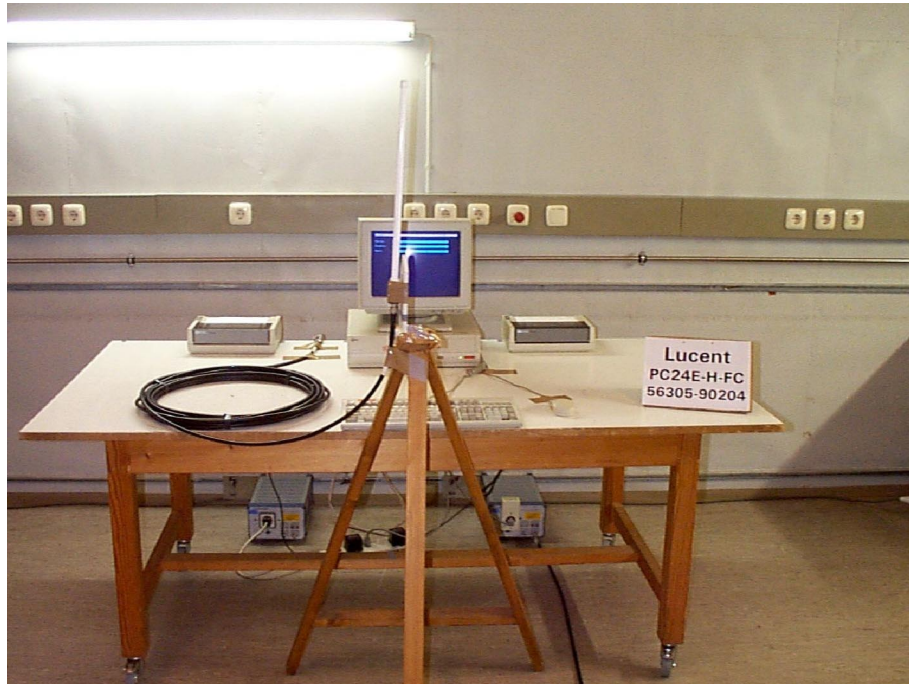
Test setup no. 1 for radiated emission test above 1 GHz



9.2. Photographs of Test Setup No. 2

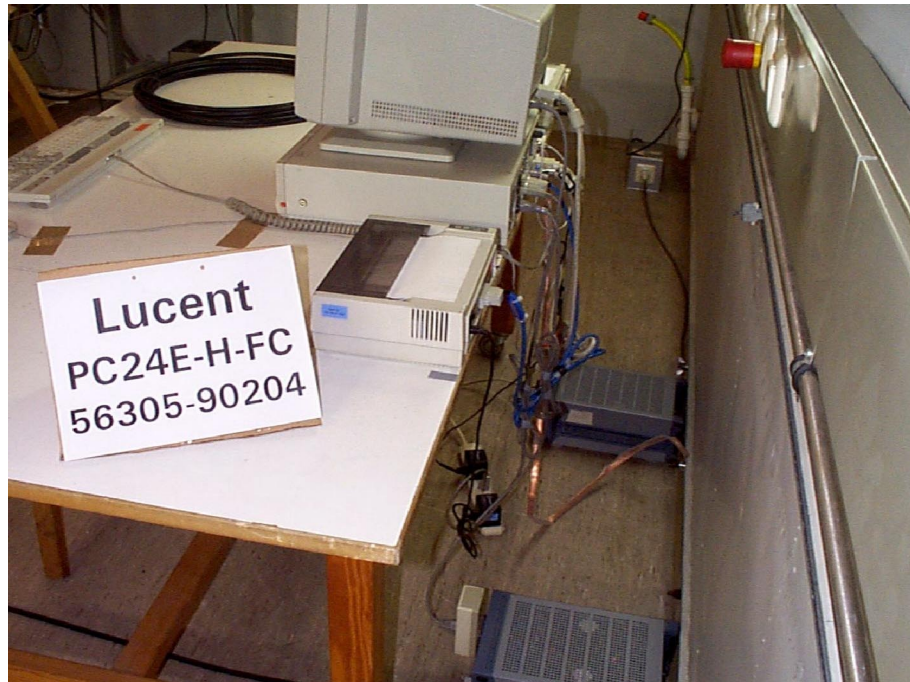
Photo No. 9.2.1

Test setup no. 2 for conducted emission test 450 kHz - 30 MHz



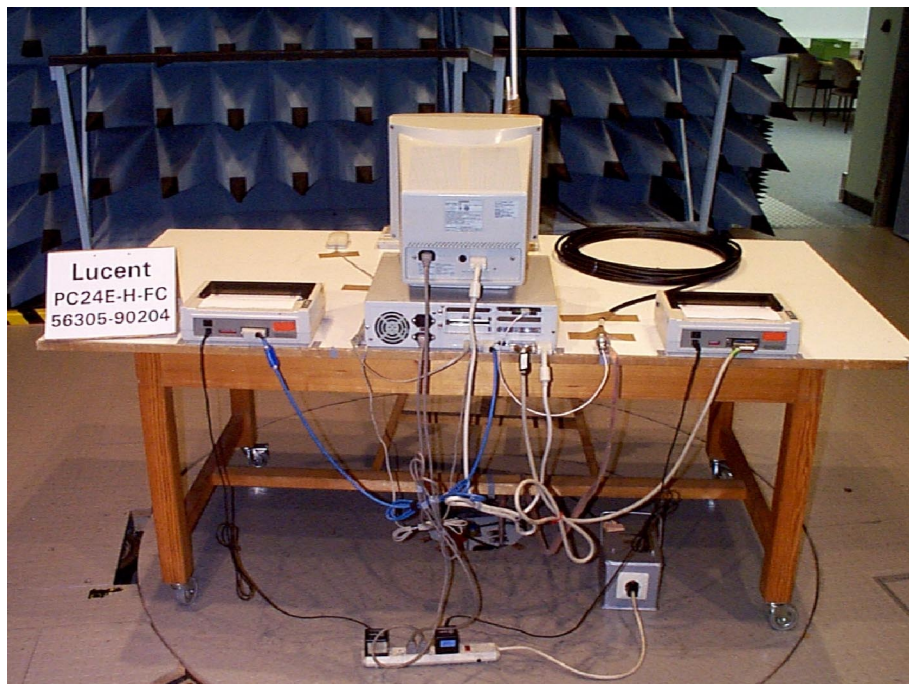
Photos No. 9.2.2 - 9.2.3

**Test setup no. 2 for conducted emission test 450 kHz - 30 MHz
(continued)**



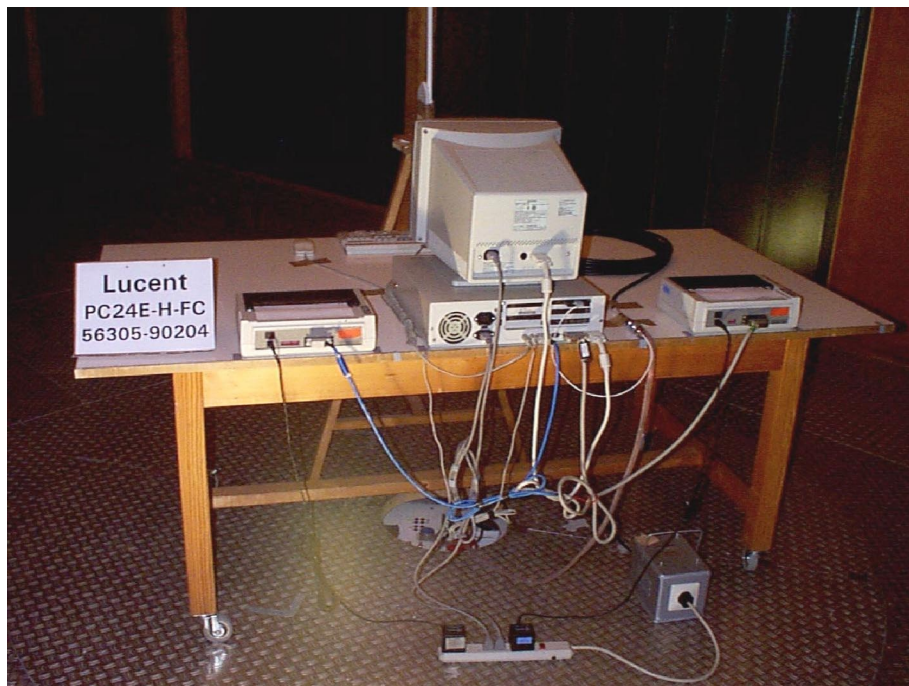
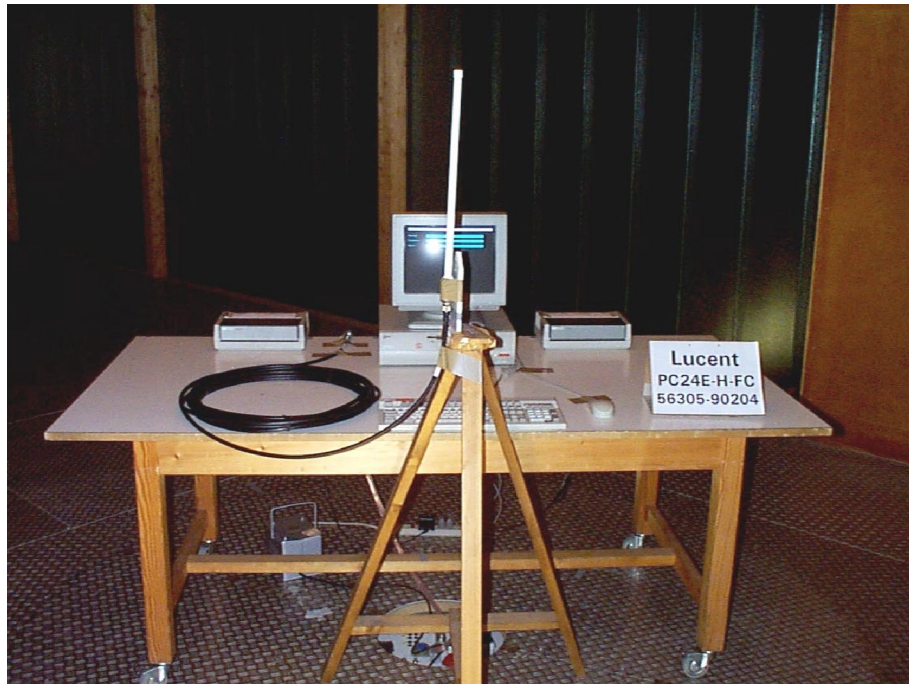
Photos No. 9.2.4 - 9.2.5

**Test setup no. 2 for radiated emission pre-test 30 MHz - 1 GHz
(semi anechoic room)**



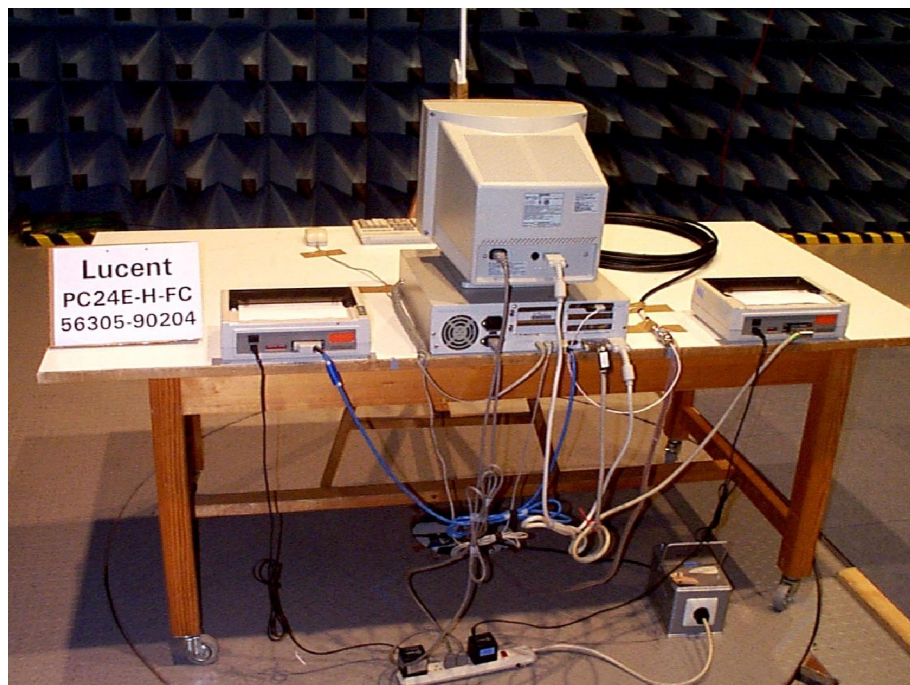
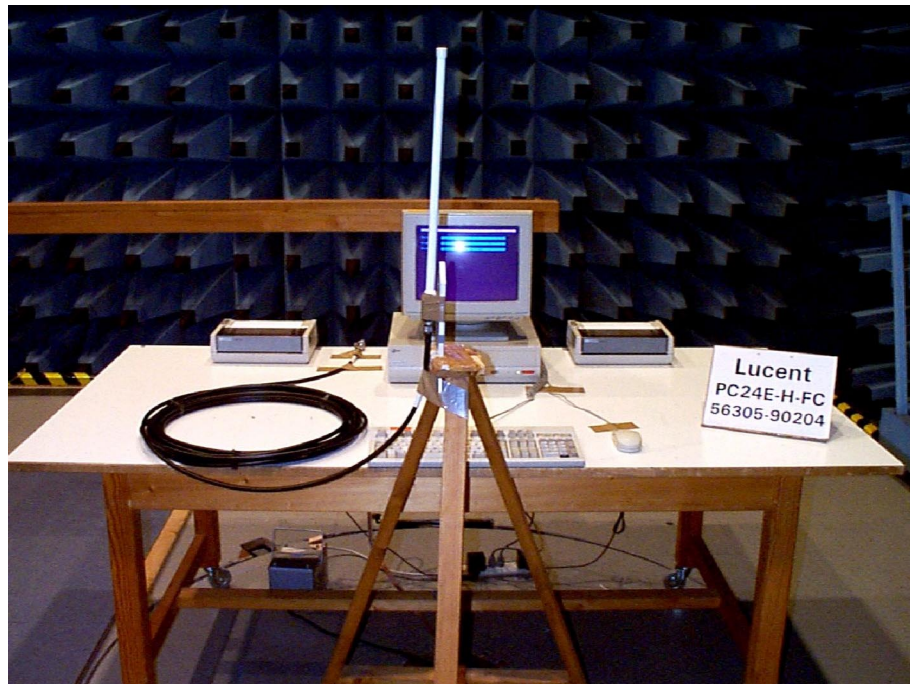
Photos No. 9.2.6 - 9.2.7

**Test setup no. 2 for radiated emission final test 30 MHz - 1 GHz
(open area test site)**



Photos No. 9.2.8 - 9.2.9

Test setup no. 2 for radiated emission test above 1 GHz



10. List of Measurements

10.1. List of Measurements for Setup No. 1

FCC Part 15 Subpart C			
Section(s):	Test	Page	Result
	Transmit mode (TX):	43	
§15.247.a2	Minimum 6 dB bandwidth	---	see setup no. 2
§15.247.b	Maximum peak output power	44	passed
§15.247.d	Peak power density	---	see setup no. 2
§15.247.e	Processing gain	---	test performed by applicant
	Frequency range (conducted)	---	see setup no. 2
§15.207	Conducted emission test 450 kHz - 30 MHz	45	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	69	passed
§15.247.c §15.209 §15.205.a,b	Radiated emission test 1 GHz - 25 GHz	93	passed
	Receive mode (RX):	111	
§15.207	Conducted emission test 450 kHz - 30 MHz	112	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	120	passed
§15.209	Radiated emission test 1 GHz - 12.5 GHz	128	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.

10.2. List of Measurements for Setup No. 2

FCC Part 15 Subpart C			
Section(s):	Test	Page	Result
	Transmit mode (TX):	131	
§15.247.a2	Minimum 6 dB bandwidth	132	passed
§15.247.b	Maximum peak output power	141	passed
§15.247.d	Peak power density	151	passed
§15.247.e	Processing gain	---	test performed by applicant
	Frequency range (conducted)	168	for information only (see note)
§15.207	Conducted emission test 450 kHz - 30 MHz	180	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	204	passed
§15.247.c §15.209 §15.205.a,b	Radiated emission test 1 GHz - 25 GHz	231	passed
	Receive mode (RX):	249	
§15.207	Conducted emission test 450 kHz - 30 MHz	250	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	258	passed
§15.209	Radiated emission test 1 GHz - 12.5 GHz	266	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

11.1. Test Results for Setup No. 1

Test results for setup no. 1

Transmit (TX) mode

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90890026
Applicant: Lucent Technologies Nederland B.V.
Date of test: 04/22/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- 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	14.3	0.5	14.8	30
	2.442	14.1	0.5	14.6	30
	2.462	14.5	0.5	15.0	30
5.5 Mbps	2.412	14.3	0.5	14.8	30
	2.442	14.1	0.5	14.6	30
	2.462	14.5	0.5	15.0	30
11 Mbps	2.412	14.3	0.5	14.8	30
	2.442	14.1	0.5	14.6	30
	2.462	14.5	0.5	15.0	30

Note: Test charts for setup no. 2 give more detailed information about shape of spectrum!

Result: The limit is kept

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

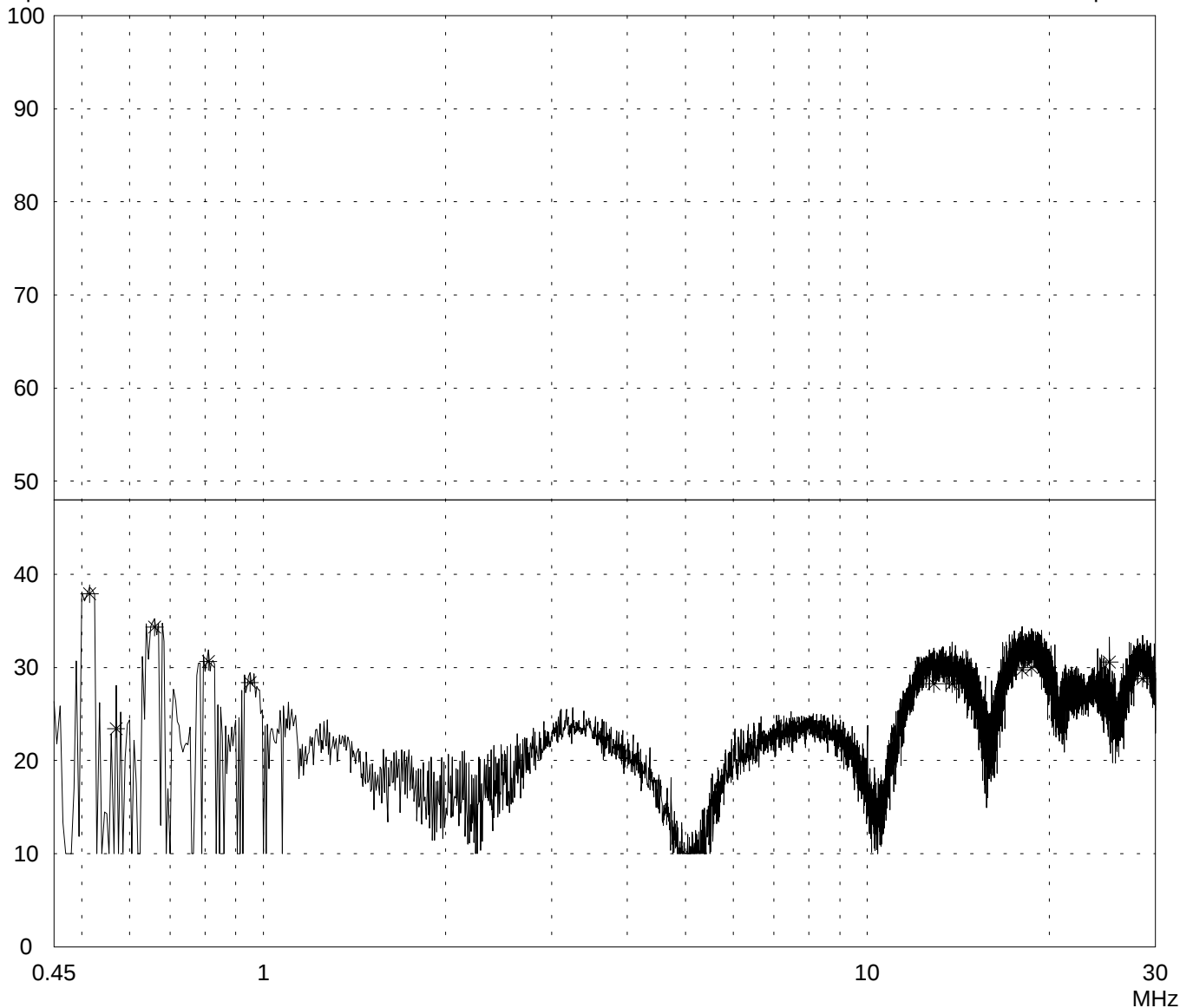
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC		Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with $f = 2.412$ GHz
Serial no.: 90990005		
Applicant: Lucent Technologies Nederland B.V.		
Test site: Shielded room, cabin no. 2		
Tested on: Linecord notebook (EUT) Phase L1		
Date of test: 04/14/1999	Operator: R. Heller	
Test performed: automatically	File name:	

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.515	37.9		37.9	48.0	
0.570	23.4		23.4	48.0	
0.660	34.3		34.3	48.0	
0.810	30.6		30.6	48.0	
0.950	28.4		28.4	48.0	
12.885	28.2		28.2	48.0	
13.810	28.2		28.2	48.0	
18.030	29.7		29.7	48.0	
18.690	30.0		30.0	48.0	
25.175	30.6		30.6	48.0	
28.590	28.8		28.8	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 46 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

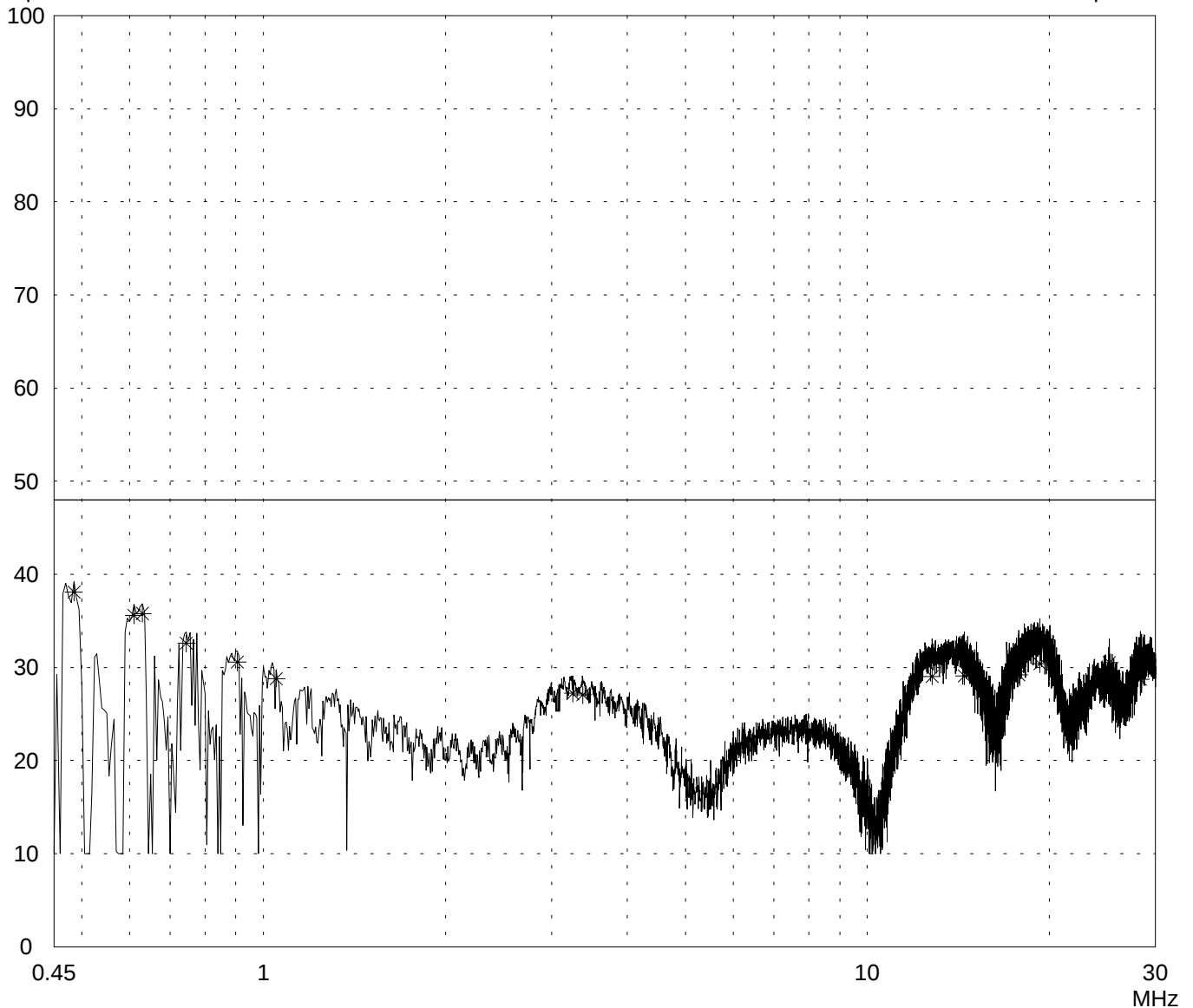
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.485	38.1		38.1	48.0	
0.610	35.6		35.6	48.0	
0.630	35.8		35.8	48.0	
0.745	32.6		32.6	48.0	
0.905	30.6		30.6	48.0	
1.050	28.8		28.8	48.0	
3.255	27.2		27.2	48.0	
3.380	27.0		27.0	48.0	
12.795	29.0		29.0	48.0	
14.465	29.1		29.1	48.0	
17.830	29.2		29.2	48.0	
19.320	30.4		30.4	48.0	
25.175	30.5		30.5	48.0	
28.325	28.7		28.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/14/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

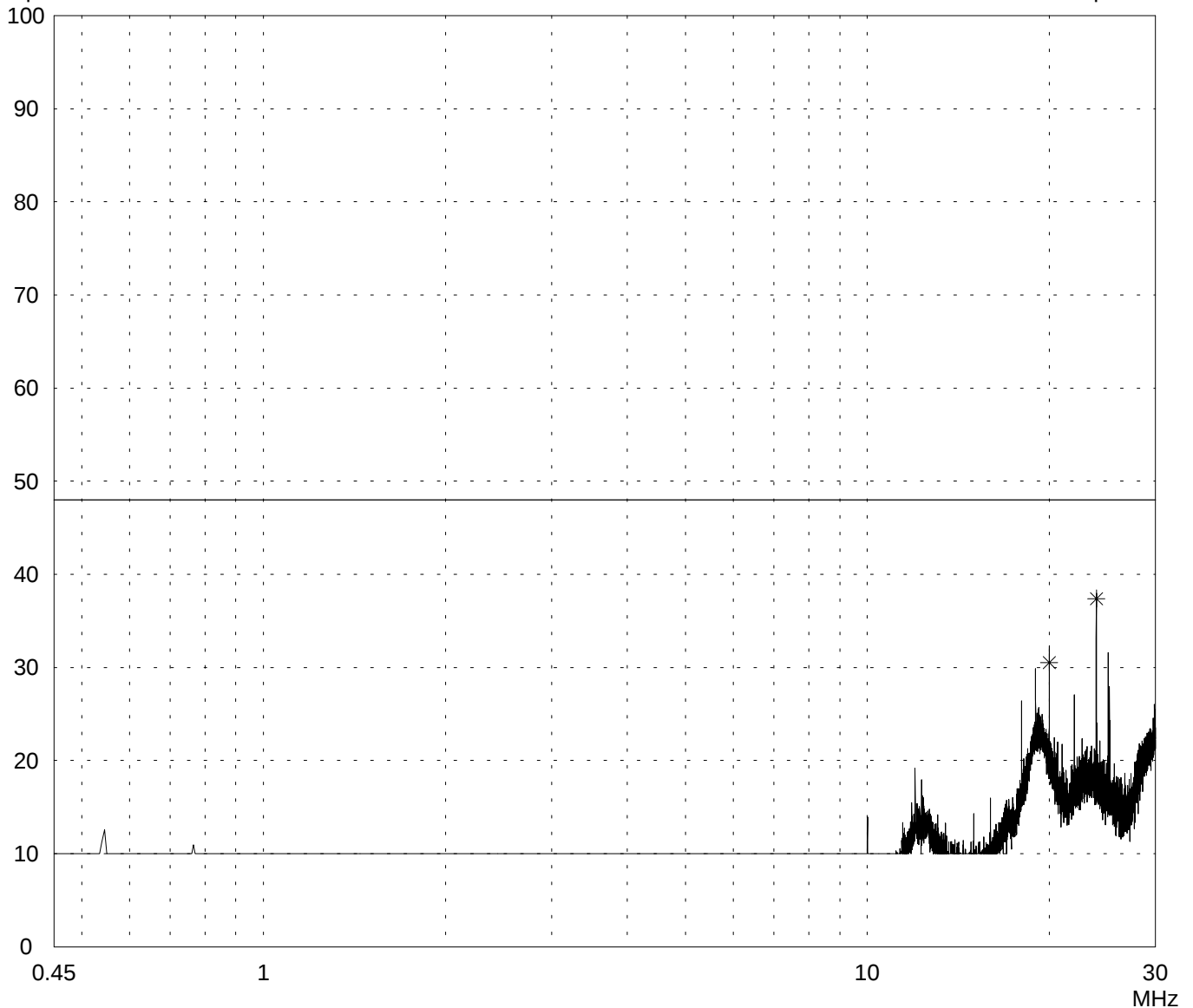
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with $f = 2.412$ GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	30.5		30.5	48.0	
23.940	37.4		37.4	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 50 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/14/1999 Operator: R. Heller

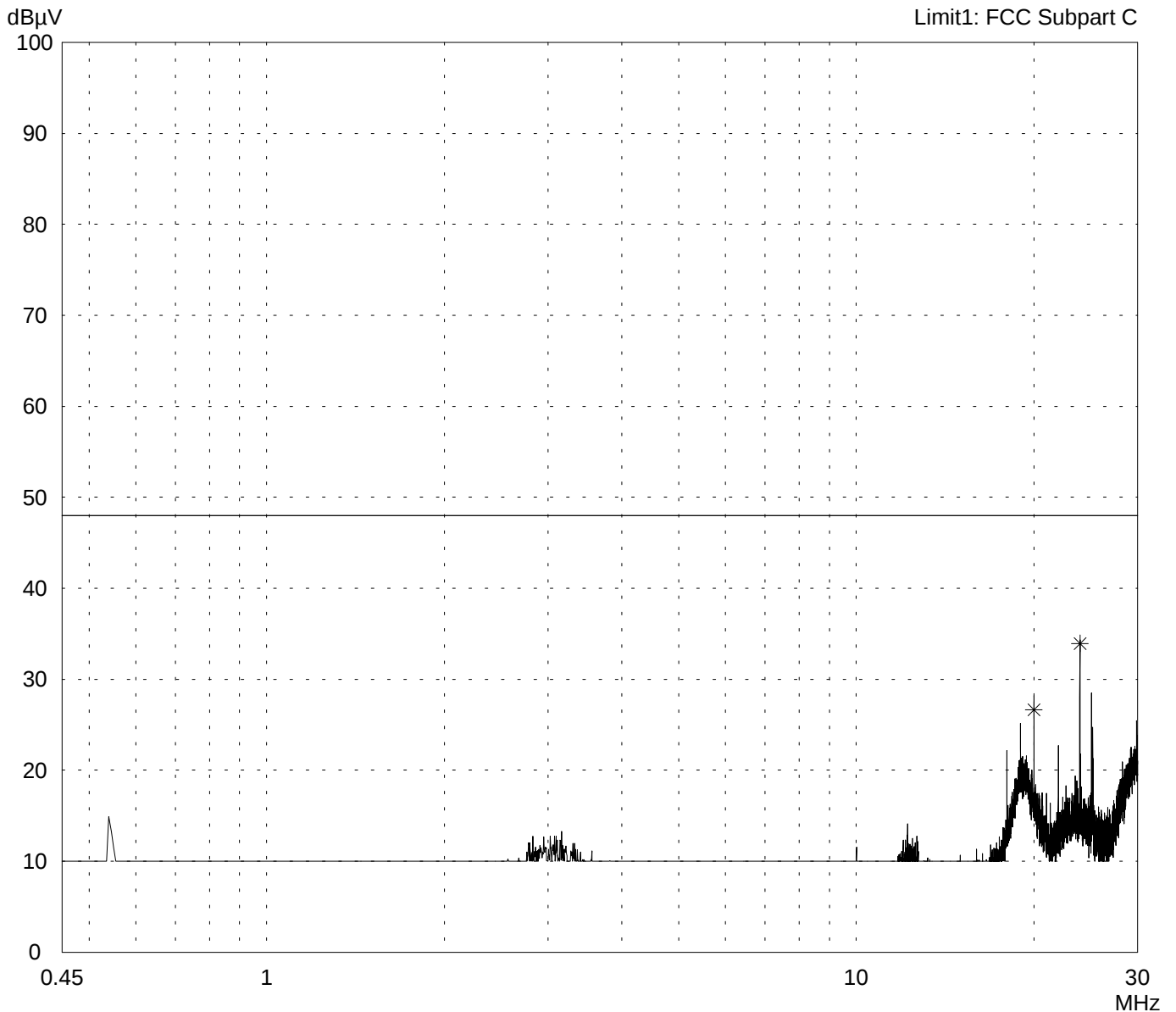
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- 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



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.412 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	26.6		26.6	48.0	
23.940	33.9		33.9	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 52 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 04/14/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

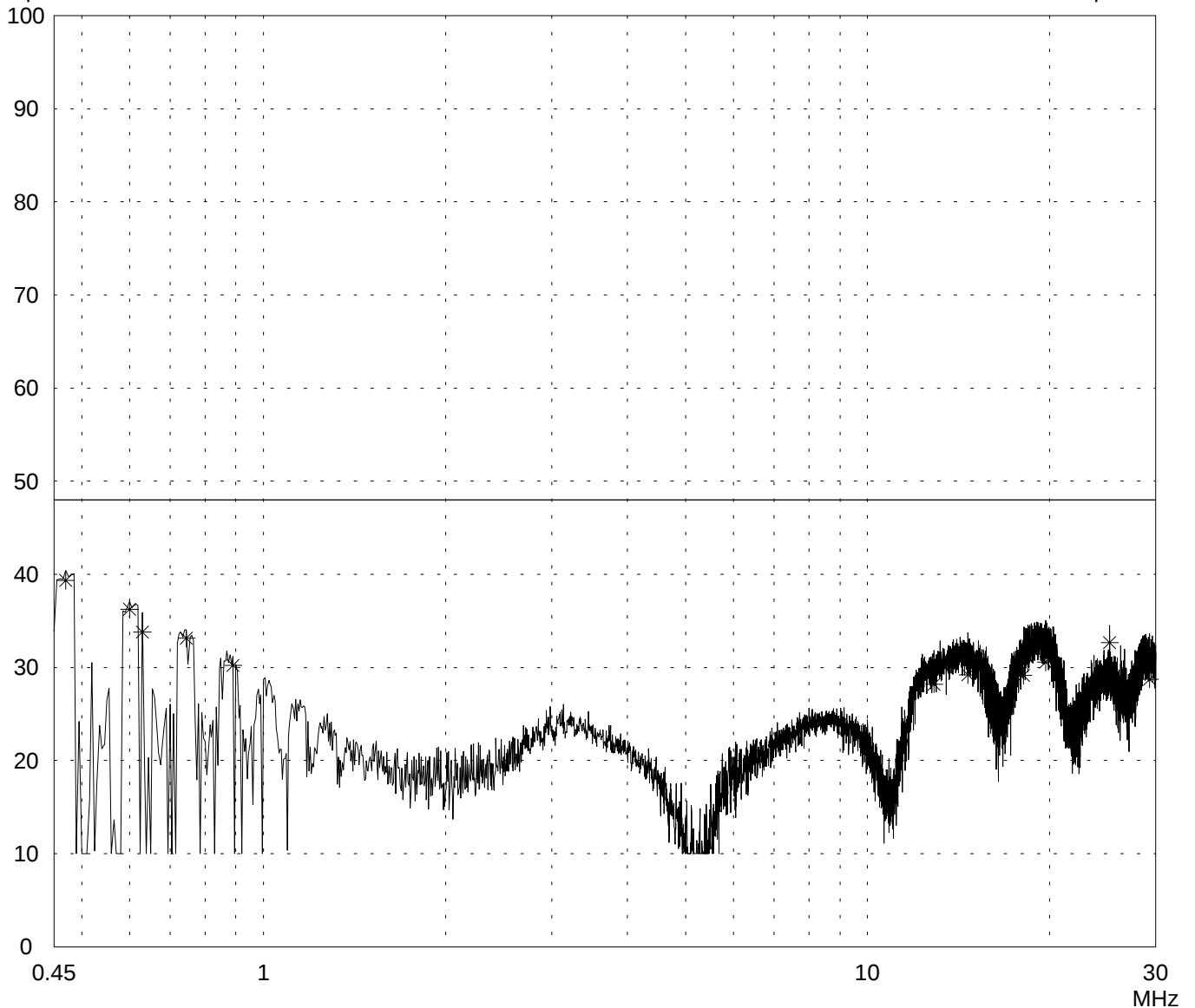
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with $f = 2.442$ GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 04/14/1999 Operator: R. Heller	
Test performed: automatically File name:	

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.470	39.4		39.4	48.0	
0.600	36.3		36.3	48.0	
0.630	33.8		33.8	48.0	
0.745	33.1		33.1	48.0	
0.890	30.2		30.2	48.0	
12.895	28.2		28.2	48.0	
14.655	29.2		29.2	48.0	
18.110	29.1		29.1	48.0	
19.740	30.6		30.6	48.0	
25.180	32.7		32.7	48.0	
29.330	28.8		28.8	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 54 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

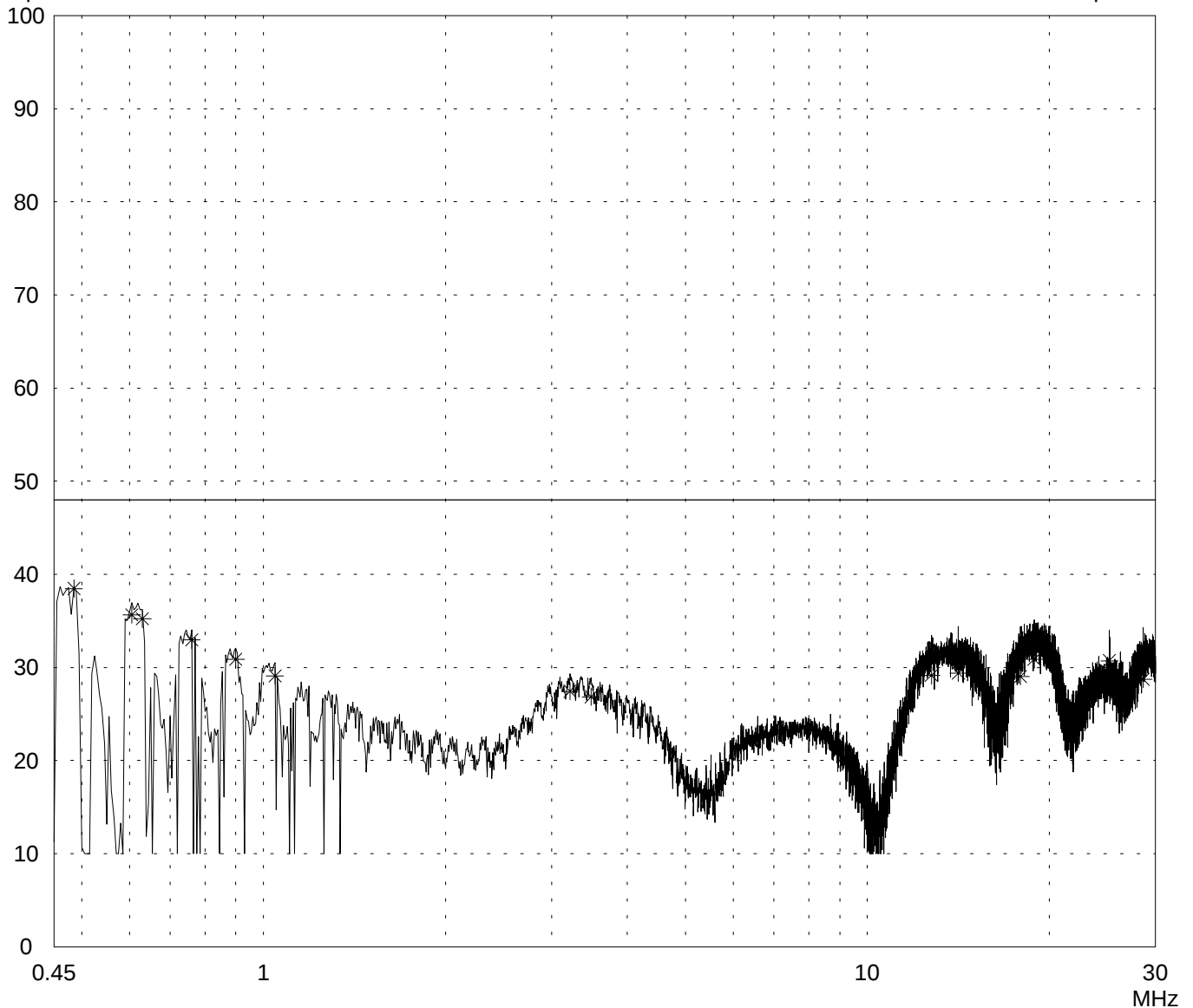
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.485	38.5		38.5	48.0	
0.605	35.7		35.7	48.0	
0.630	35.2		35.2	48.0	
0.760	32.9		32.9	48.0	
0.900	30.9		30.9	48.0	
1.045	29.1		29.1	48.0	
3.220	27.4		27.4	48.0	
3.485	26.9		26.9	48.0	
12.760	29.1		29.1	48.0	
14.155	29.4		29.4	48.0	
17.945	29.1		29.1	48.0	
18.885	30.9		30.9	48.0	
25.175	30.7		30.7	48.0	
28.630	28.7		28.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/14/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

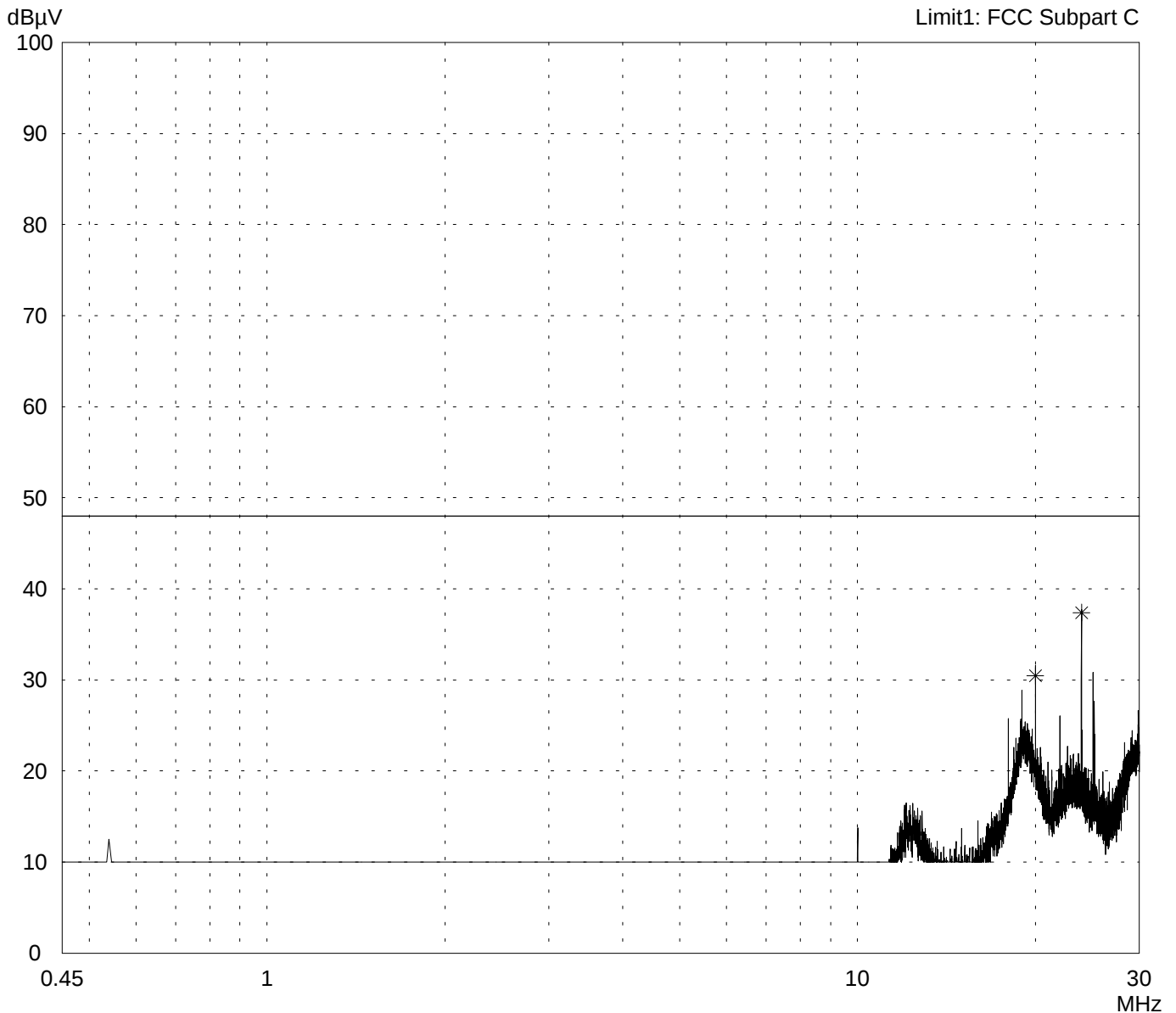
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005 23.940	30.4 37.4		30.4 37.4	48.0 48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 58 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/14/1999 Operator: R. Heller

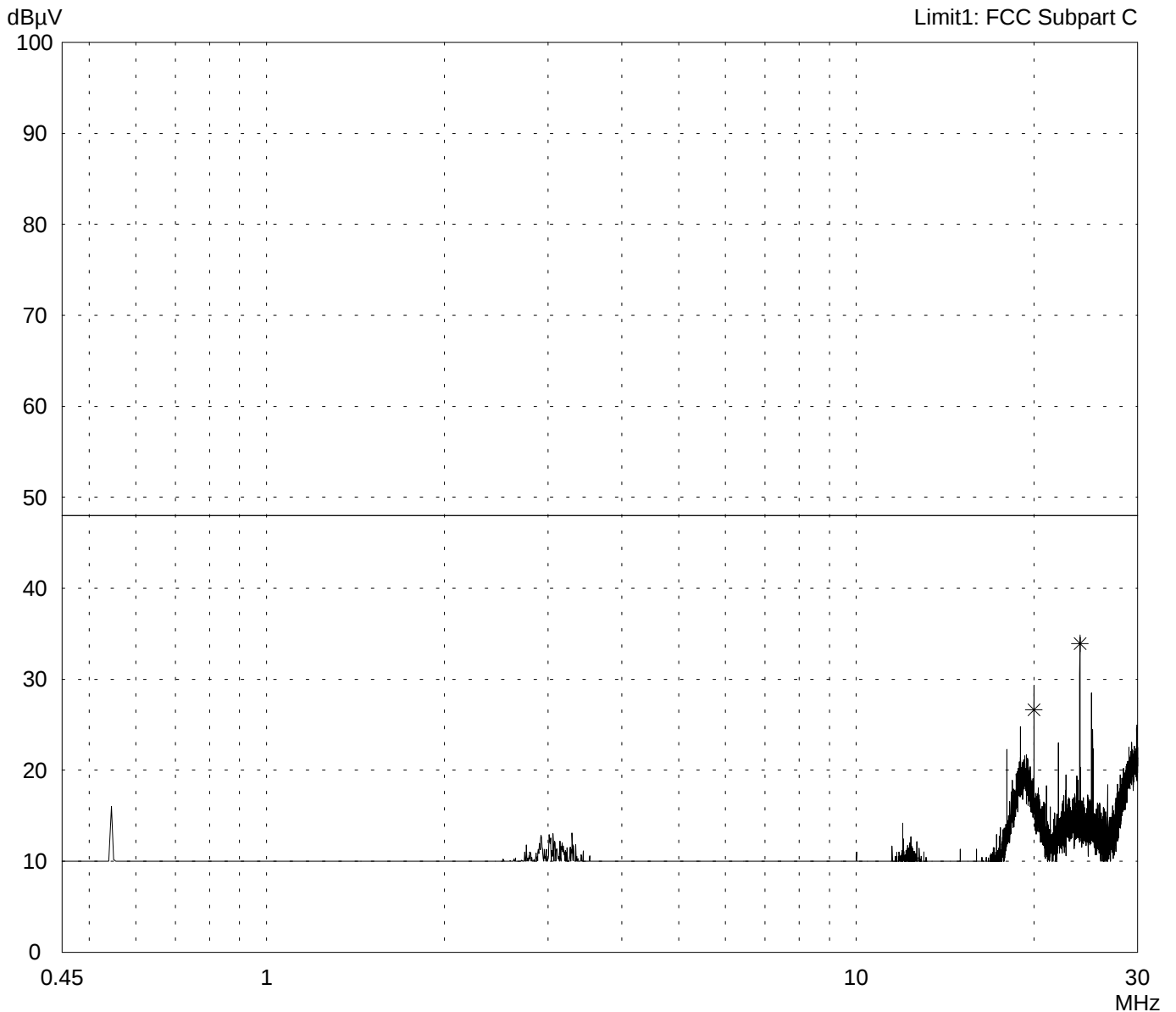
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- 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



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.442 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	26.6		26.6	48.0	
23.940	33.9		33.9	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 60 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 04/14/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

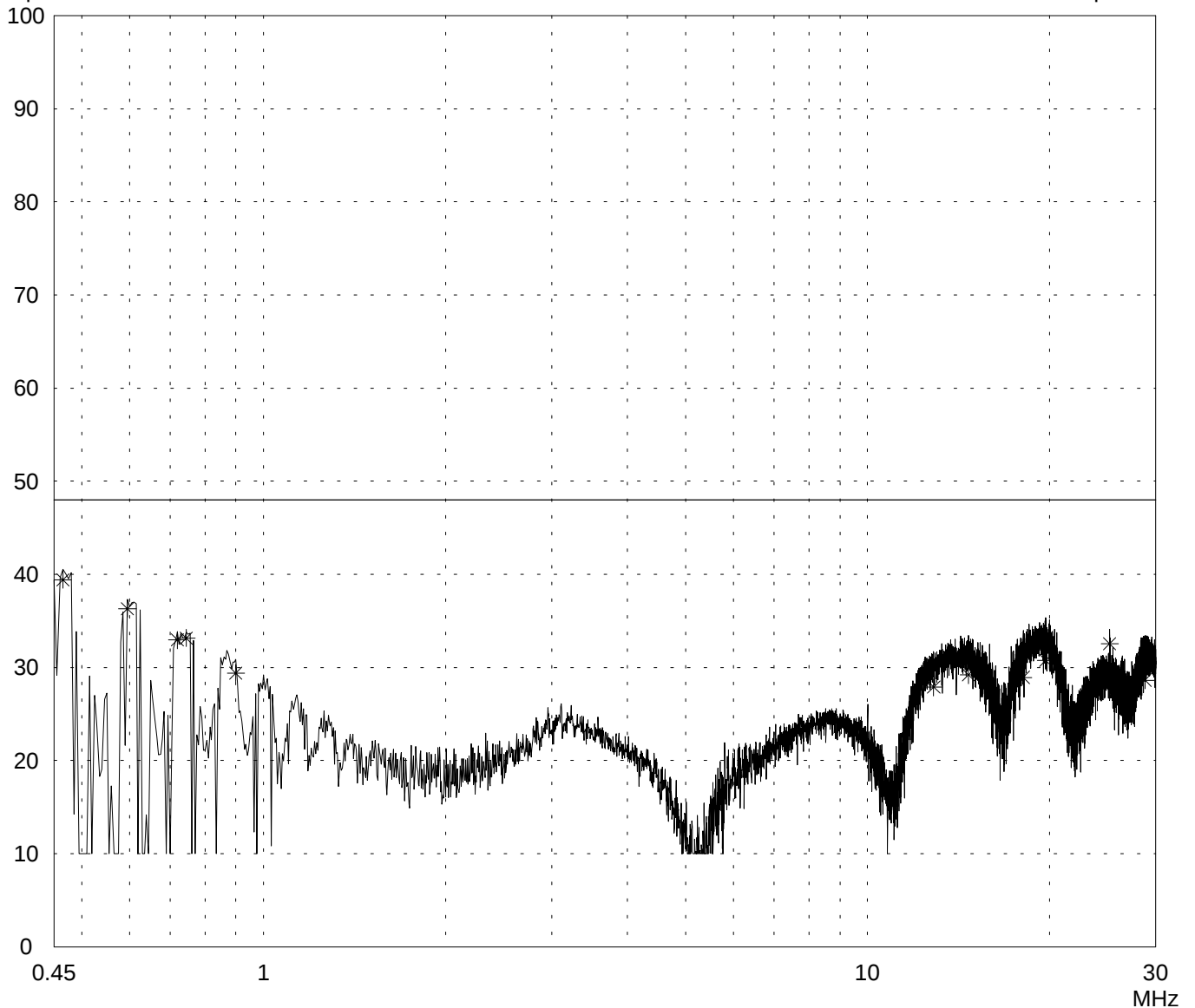
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 04/14/1999 Operator: R. Heller	
Test performed: automatically File name:	

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.465	39.4		39.4	48.0	
0.595	36.3		36.3	48.0	
0.720	32.9		32.9	48.0	
0.745	33.2		33.2	48.0	
0.900	29.4		29.4	48.0	
12.870	27.9		27.9	48.0	
14.705	29.2		29.2	48.0	
18.100	28.9		28.9	48.0	
19.740	30.8		30.8	48.0	
25.180	32.6		32.6	48.0	
28.835	28.6		28.6	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 62 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

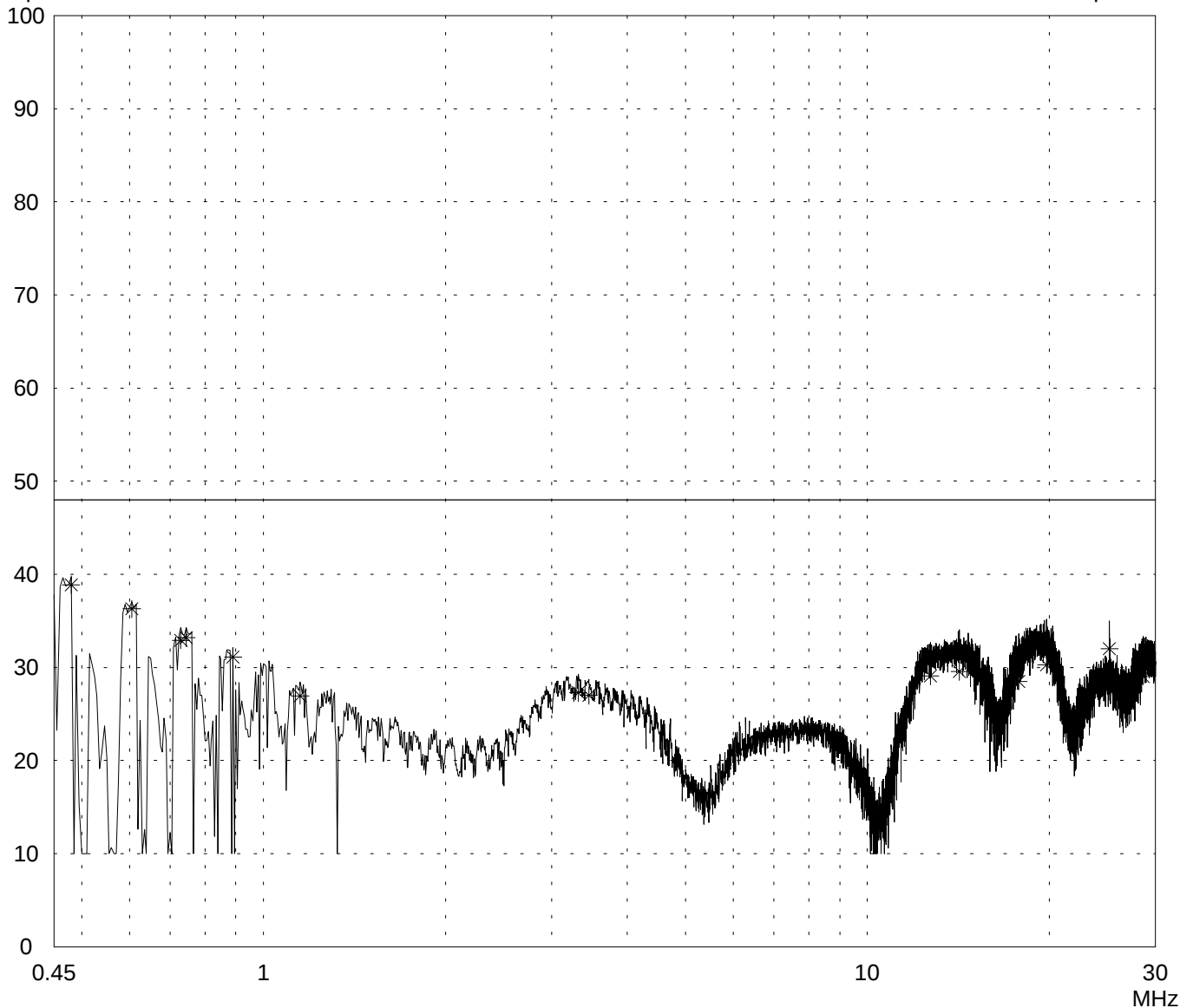
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.480	38.9		38.9	48.0	
0.605	36.3		36.3	48.0	
0.730	32.9		32.9	48.0	
0.745	33.2		33.2	48.0	
0.890	31.1		31.1	48.0	
1.150	27.0		27.0	48.0	
3.320	27.3		27.3	48.0	
3.455	27.0		27.0	48.0	
12.720	29.1		29.1	48.0	
14.205	29.5		29.5	48.0	
17.800	28.5		28.5	48.0	
19.810	30.3		30.3	48.0	
25.180	32.0		32.0	48.0	
28.640	29.1		29.1	48.0	

Result:
Limit kept

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/14/1999 Operator: R. Heller

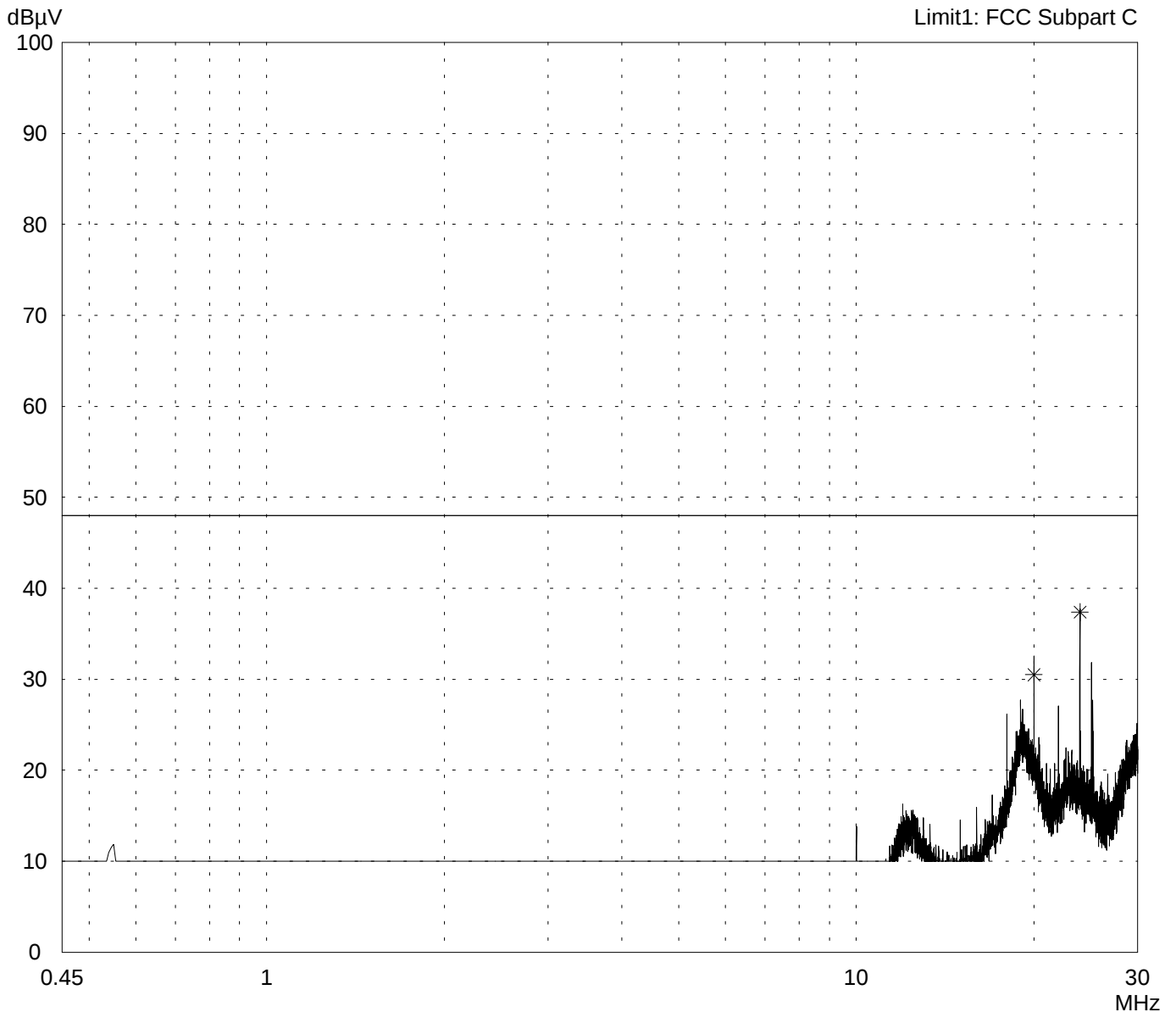
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- 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



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	30.5		30.5	48.0	
23.940	37.4		37.4	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 66 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/14/1999 Operator: R. Heller

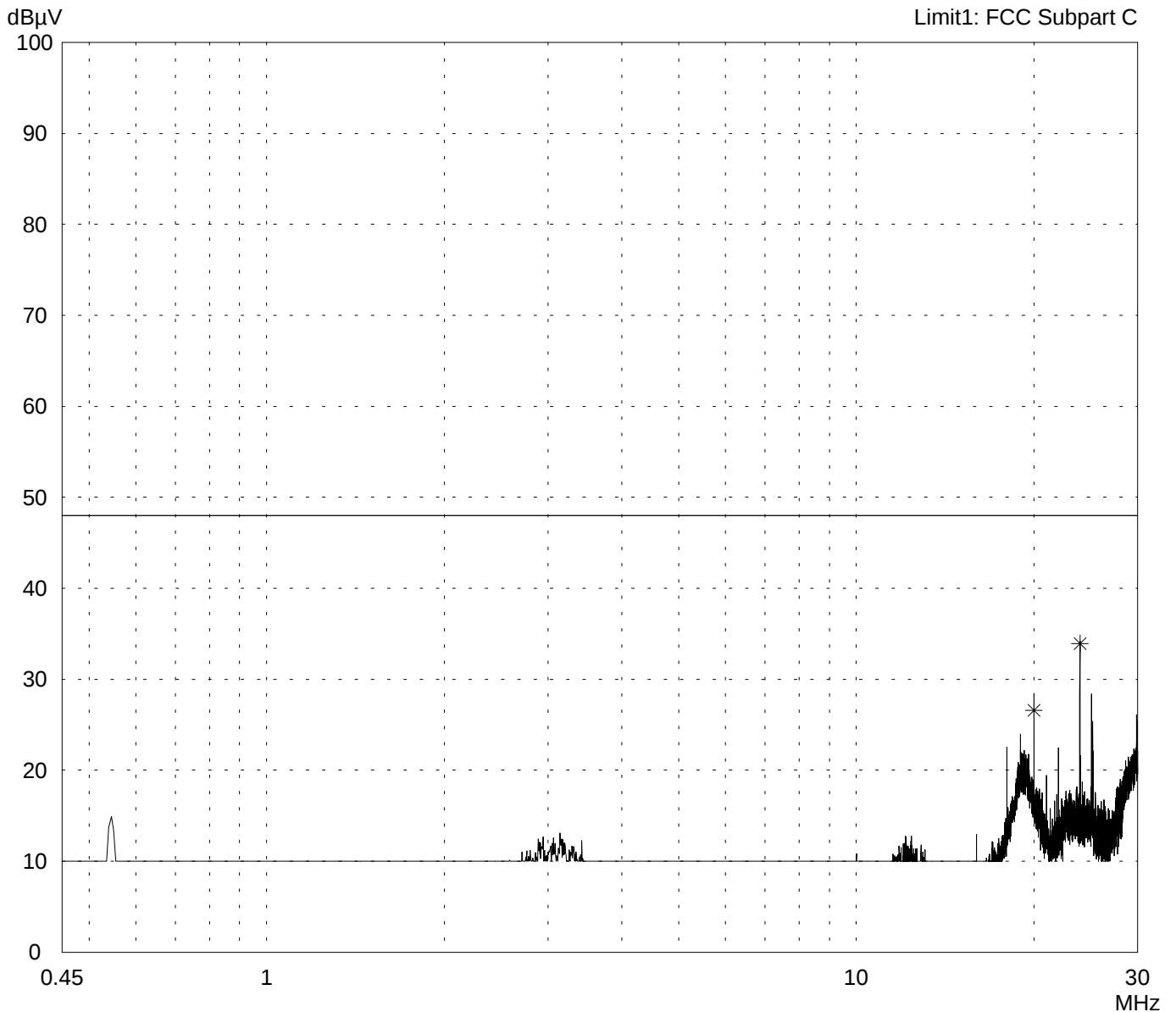
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- 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



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - operating with bit rate 11 Mbps - TX mode with f = 2.462 GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 04/14/1999 Operator: R. Heller	
Test performed: automatically File name:	

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	26.6		26.6	48.0	
23.940	33.9		33.9	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 68 of 267 Pages
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Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

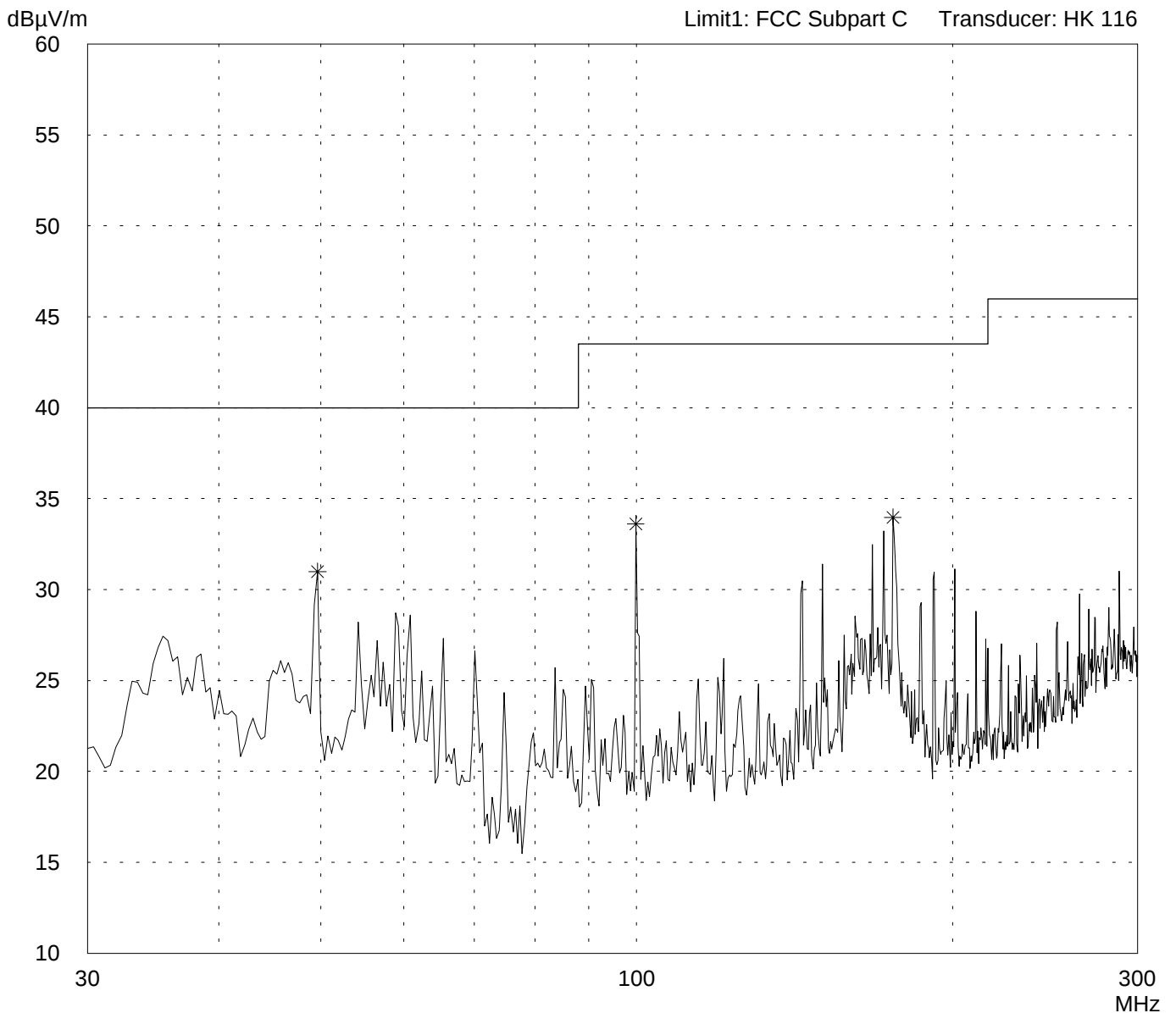
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

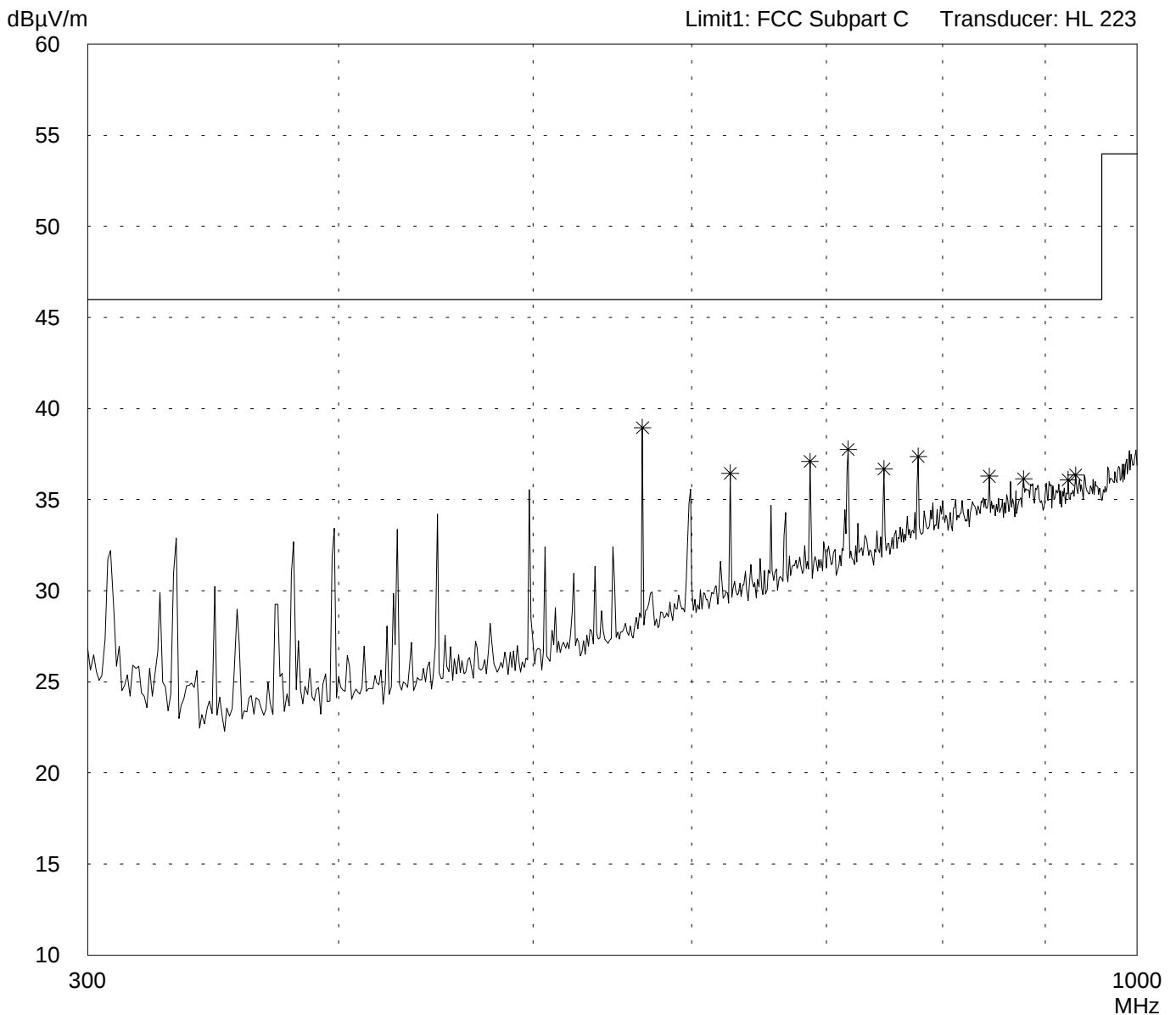
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

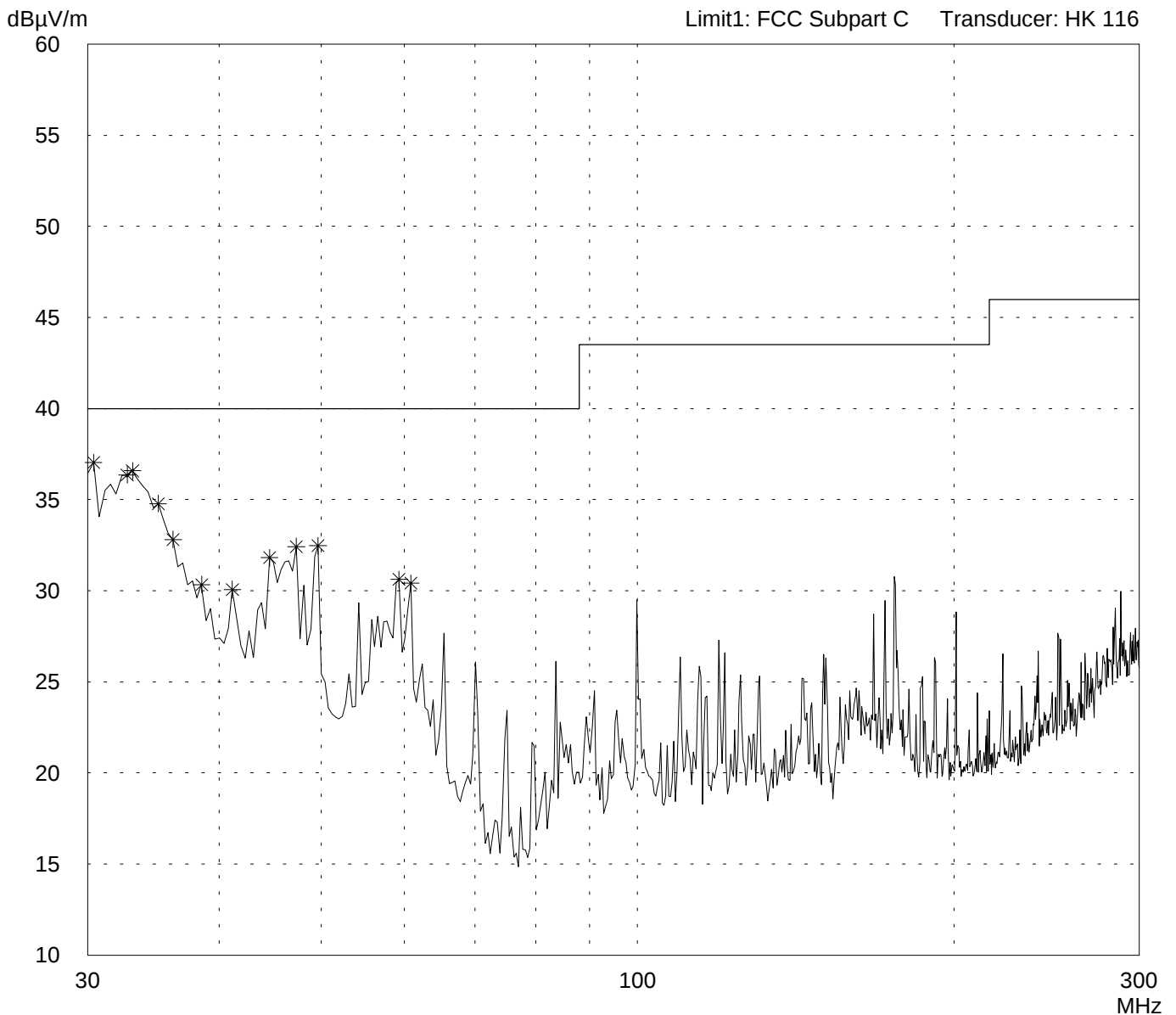
Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

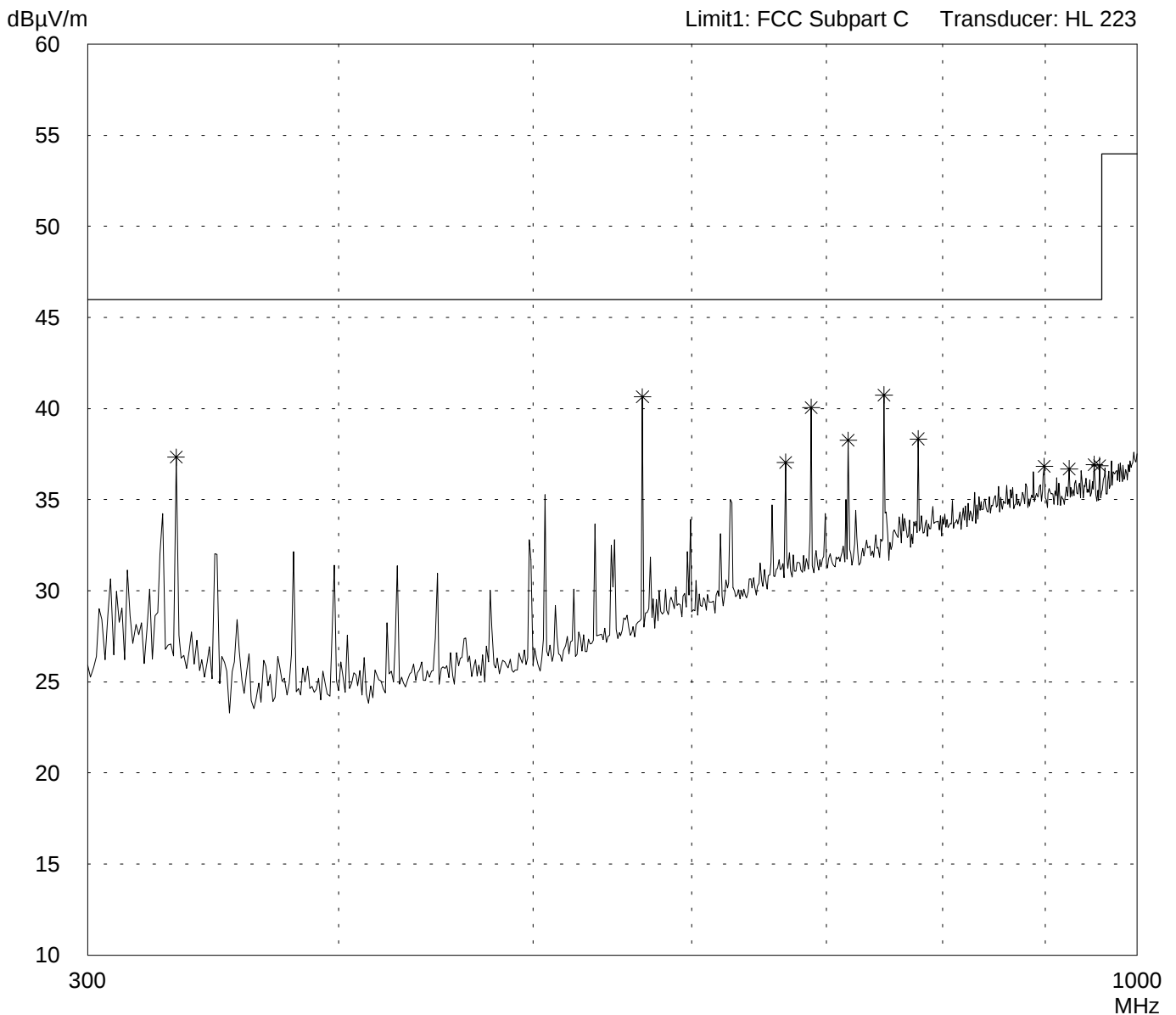
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

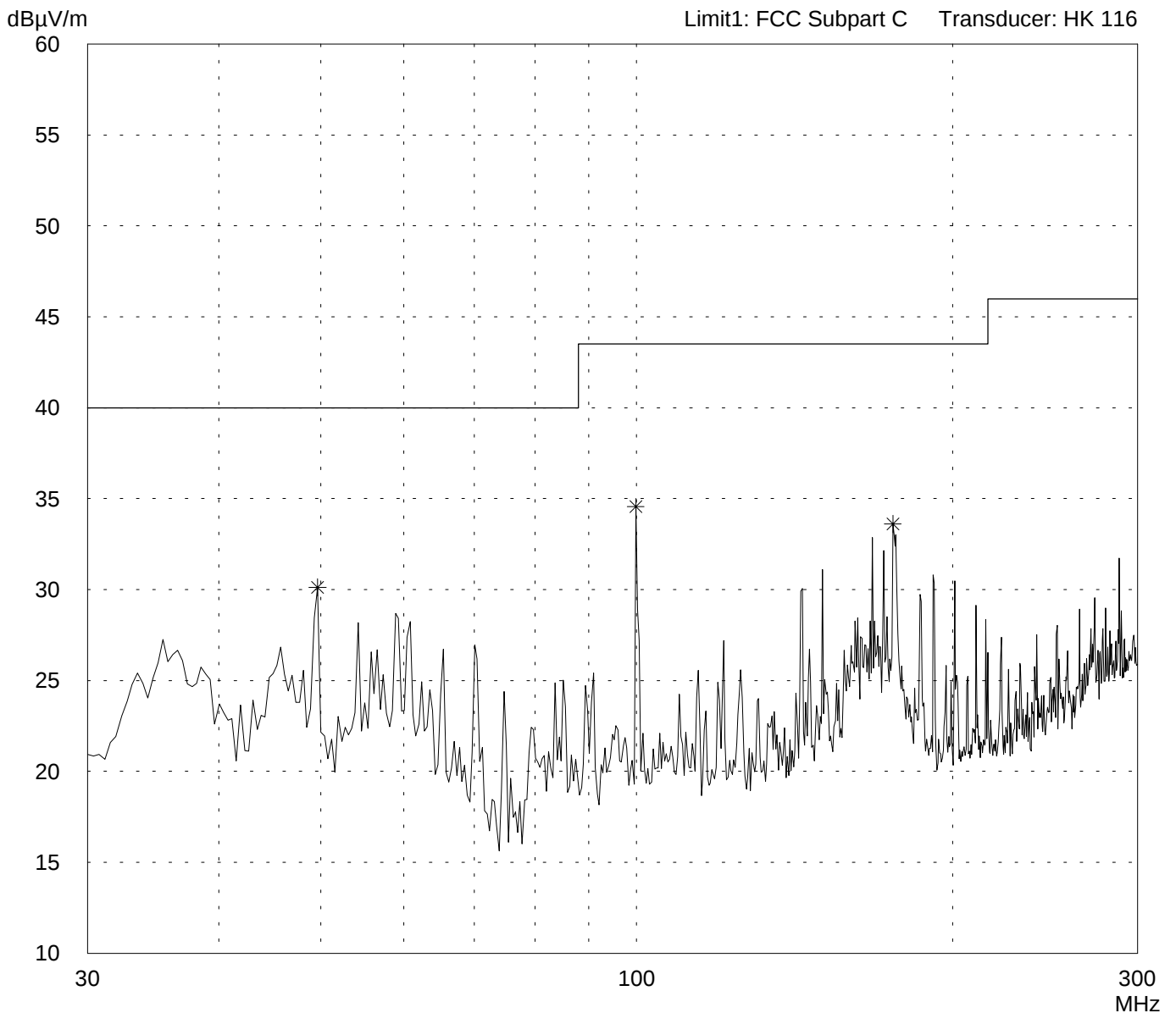
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

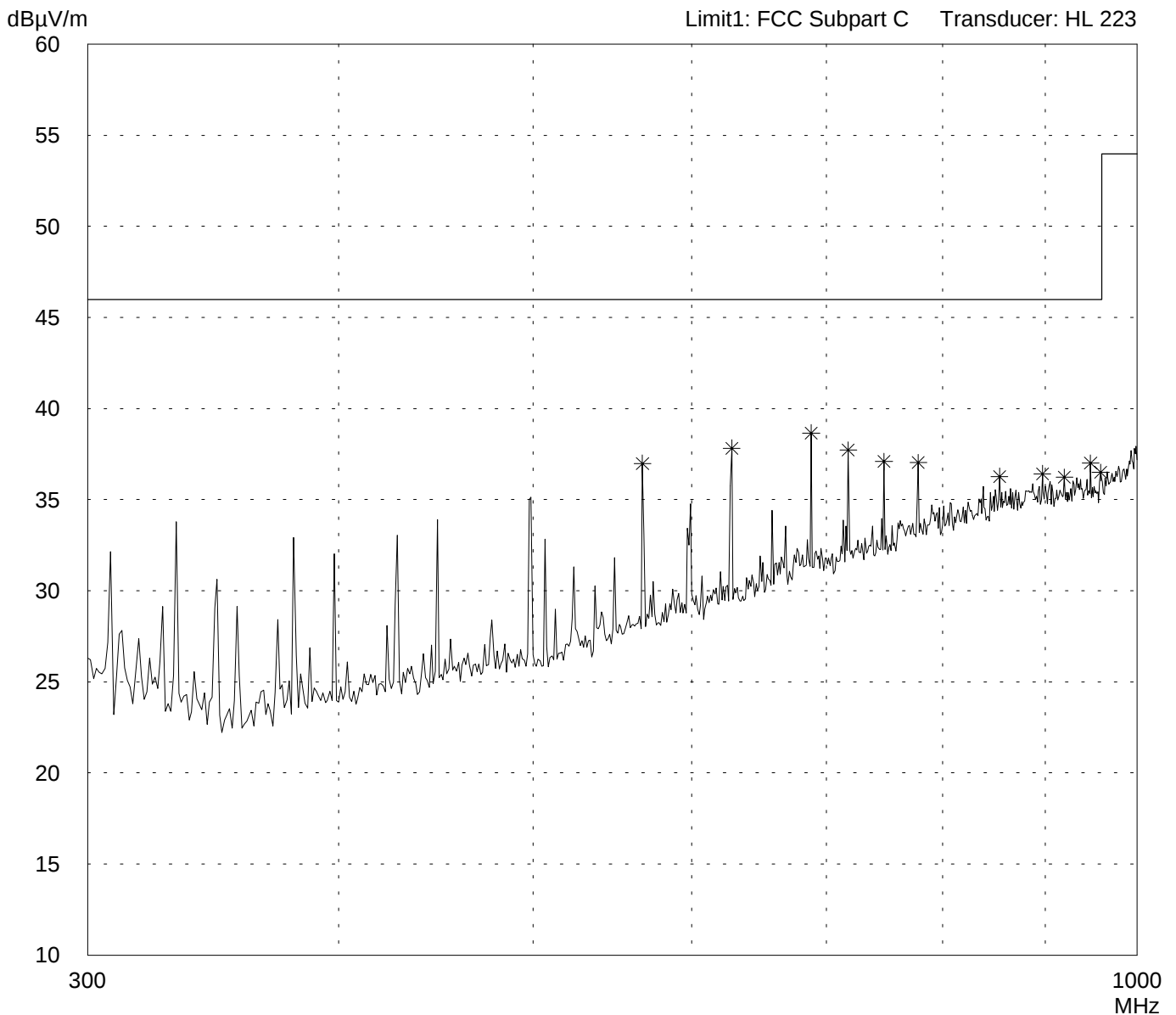
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

Test performed: automatically
File name:

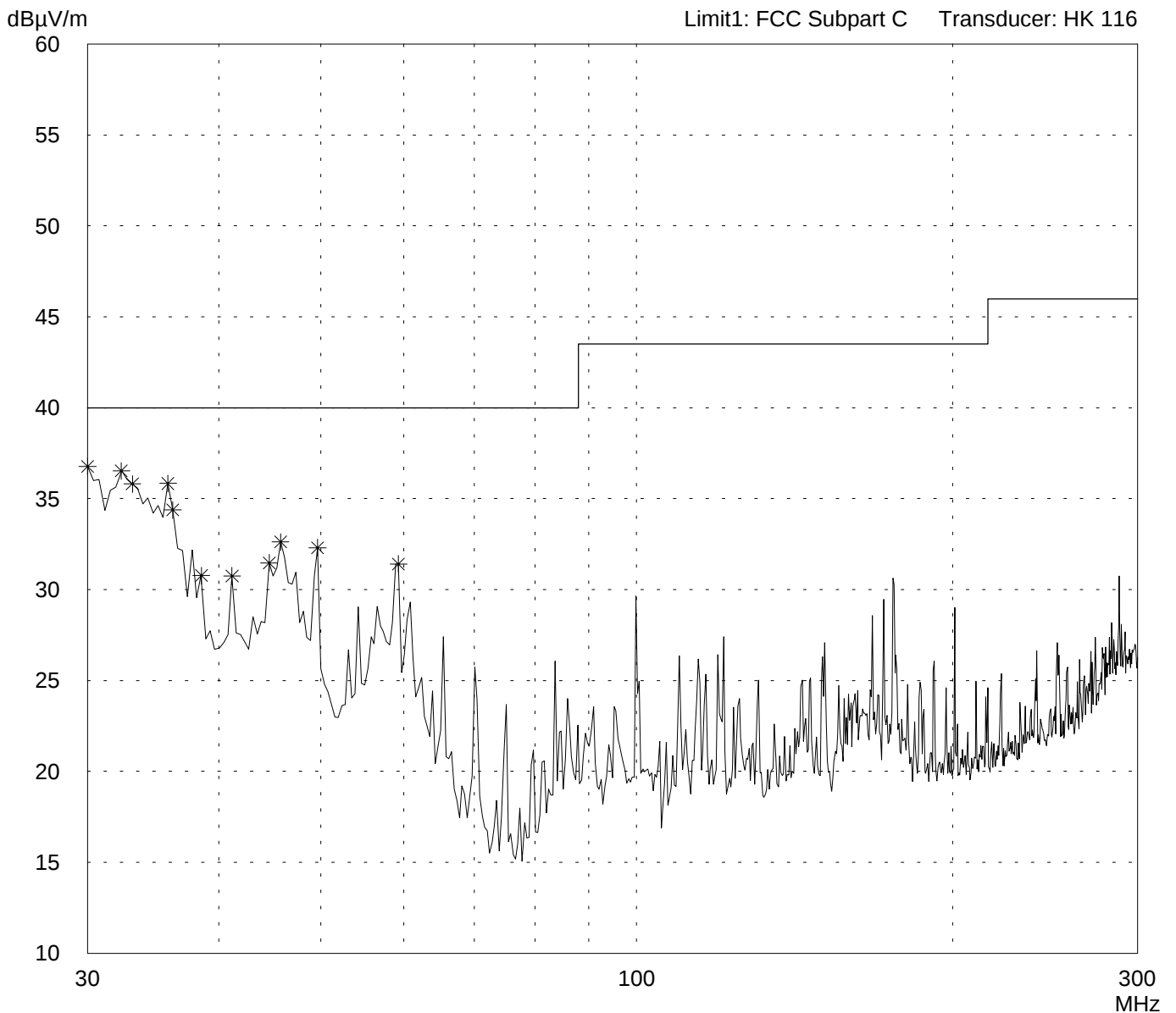
Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

Test performed: automatically
File name:

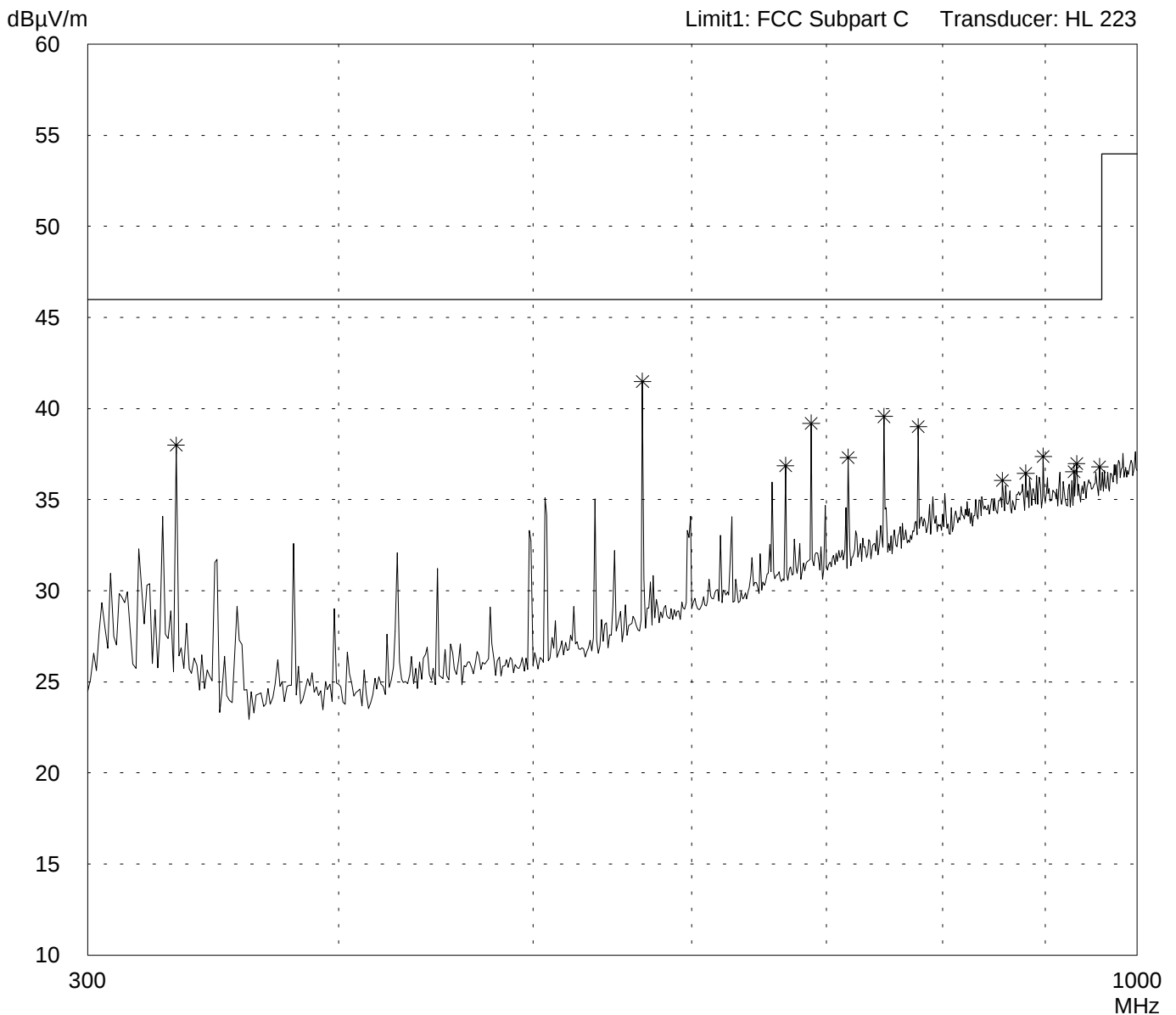
Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

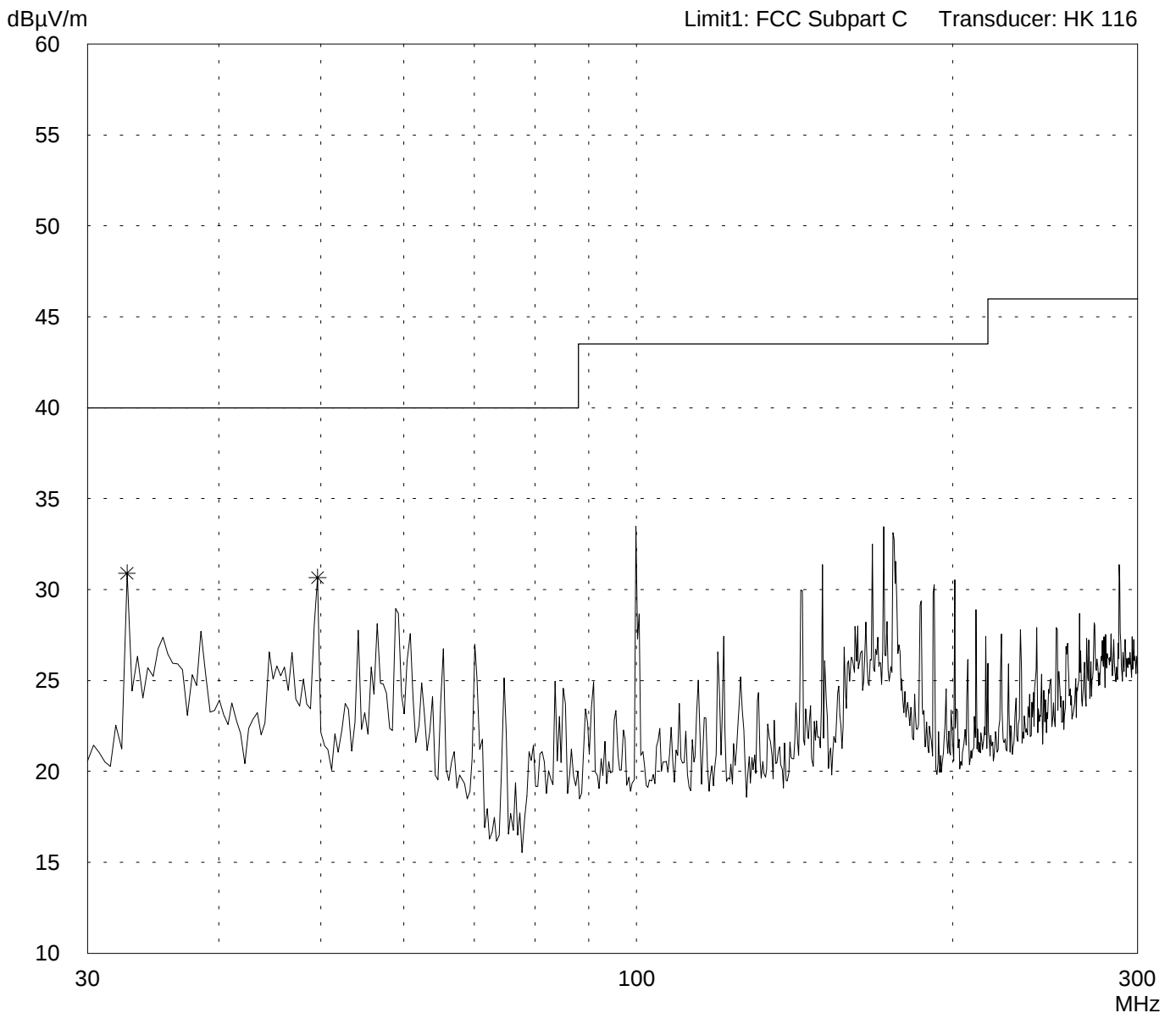
Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

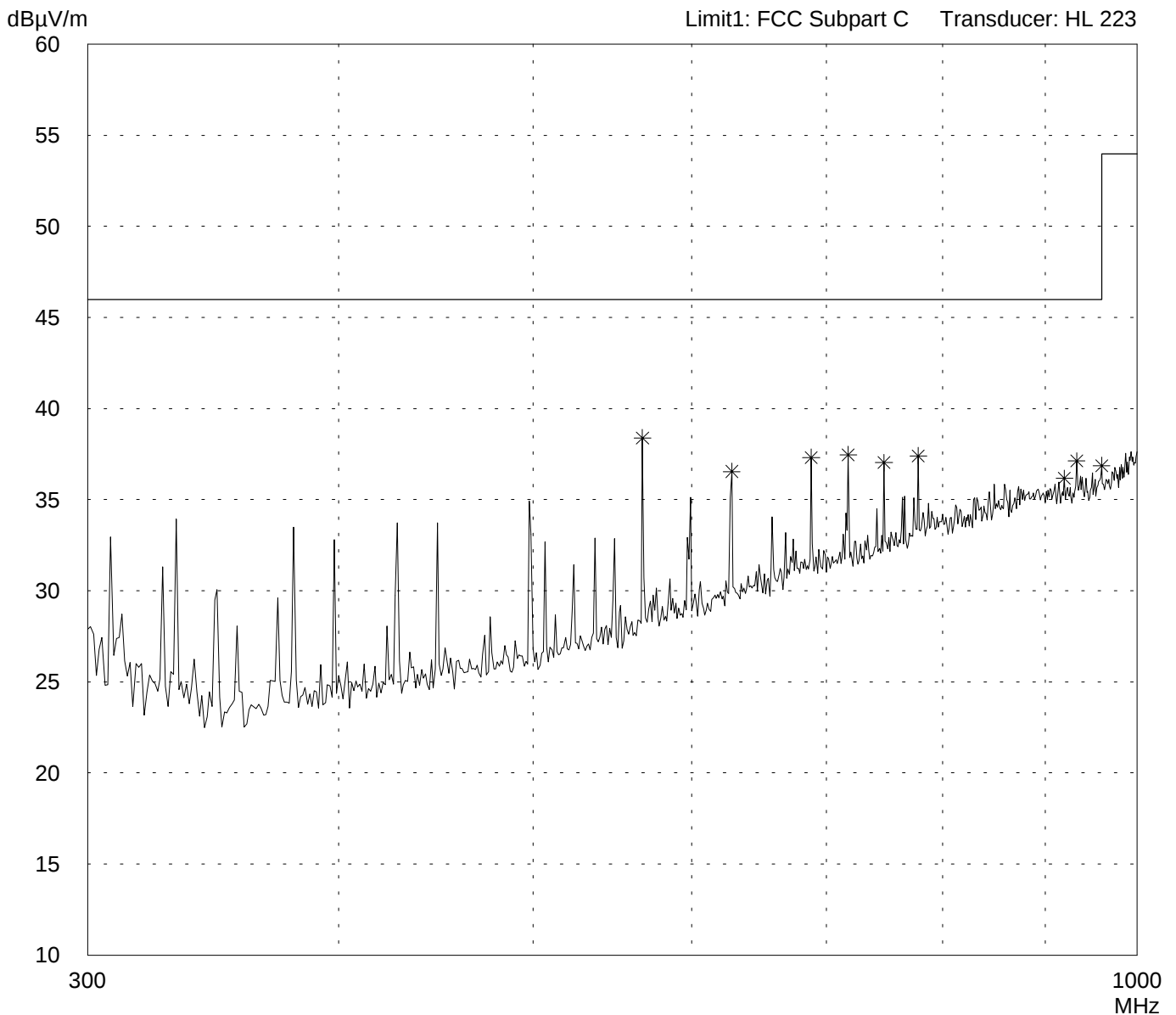
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

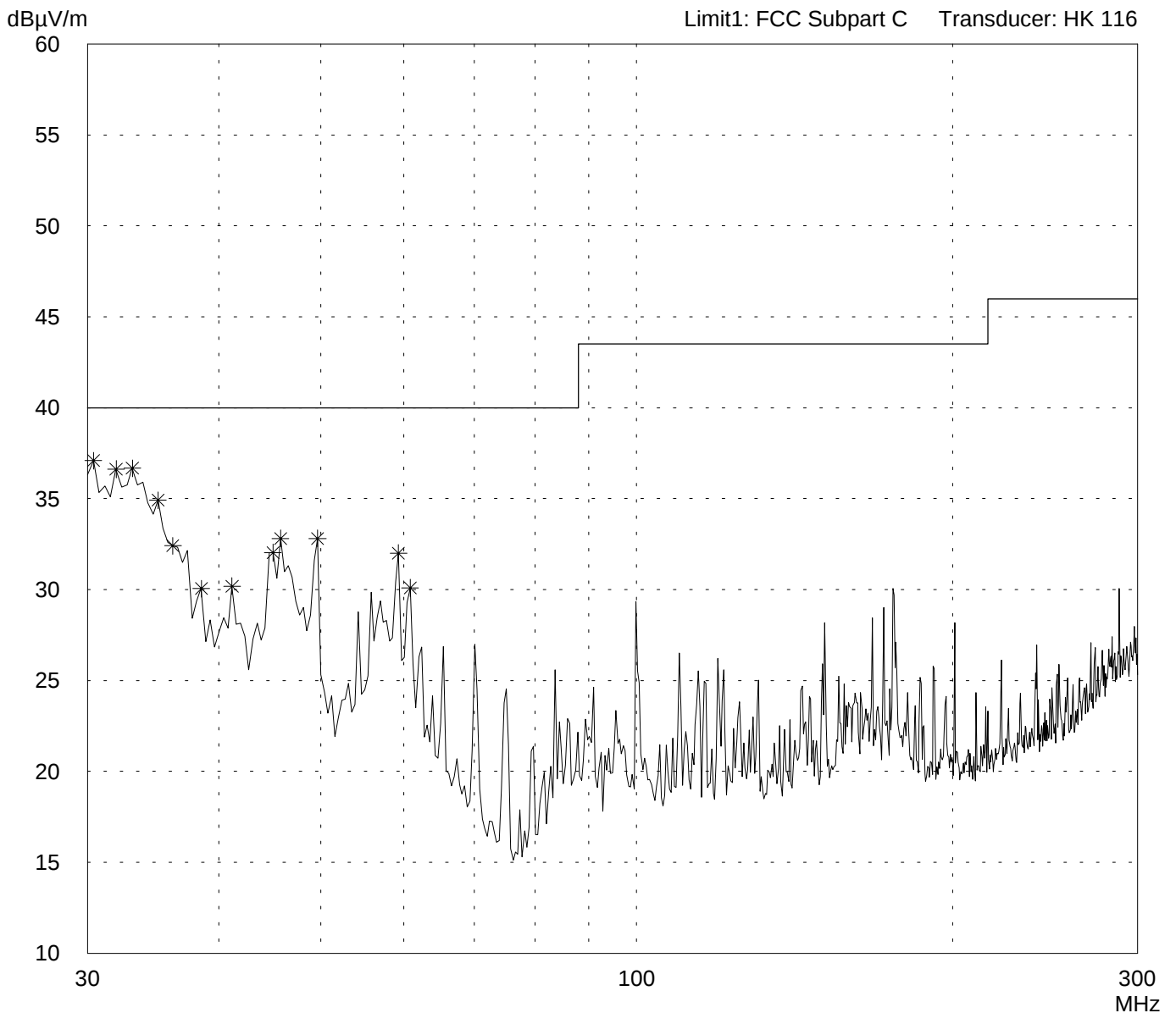
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

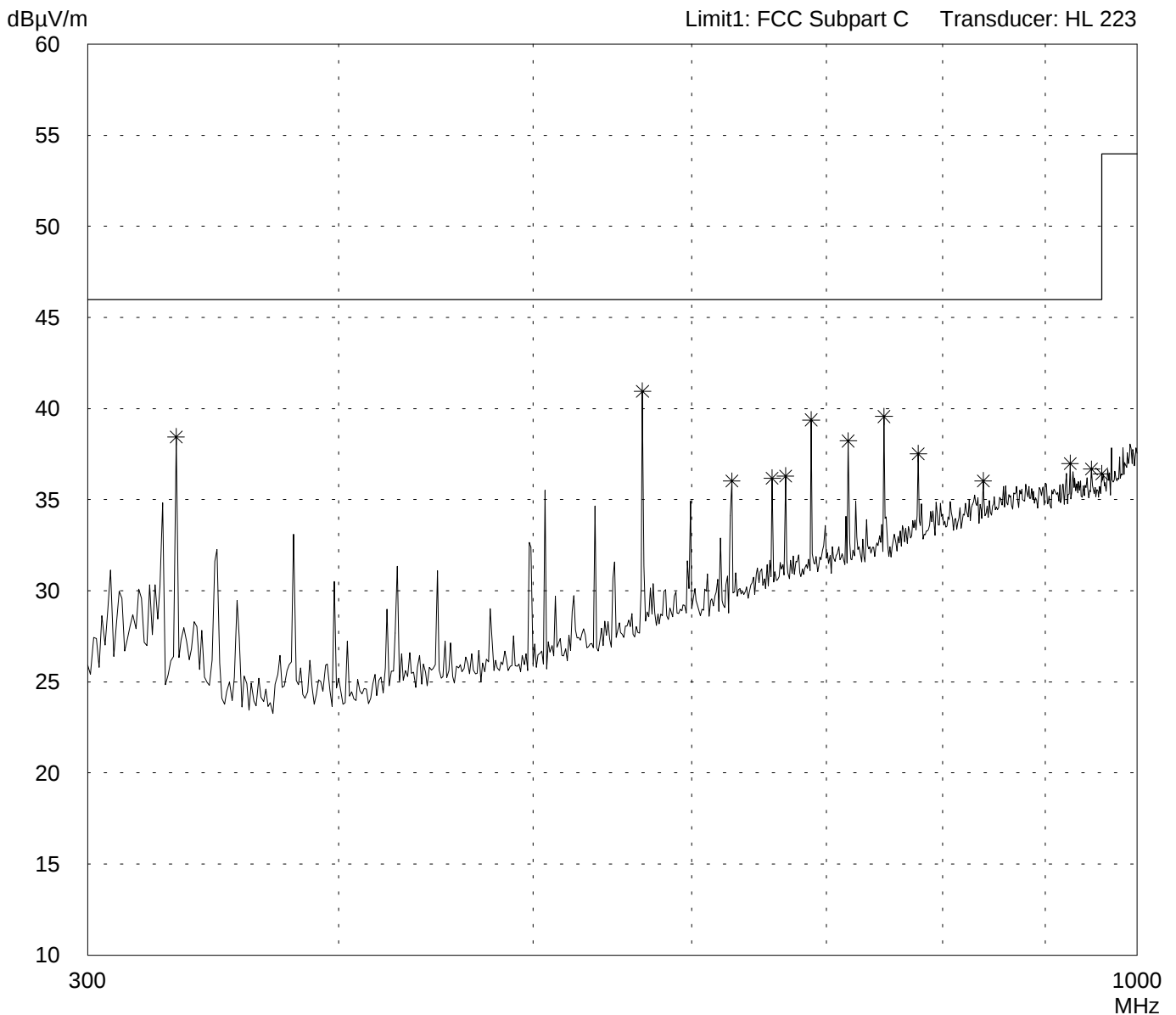
Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator: R. Heller

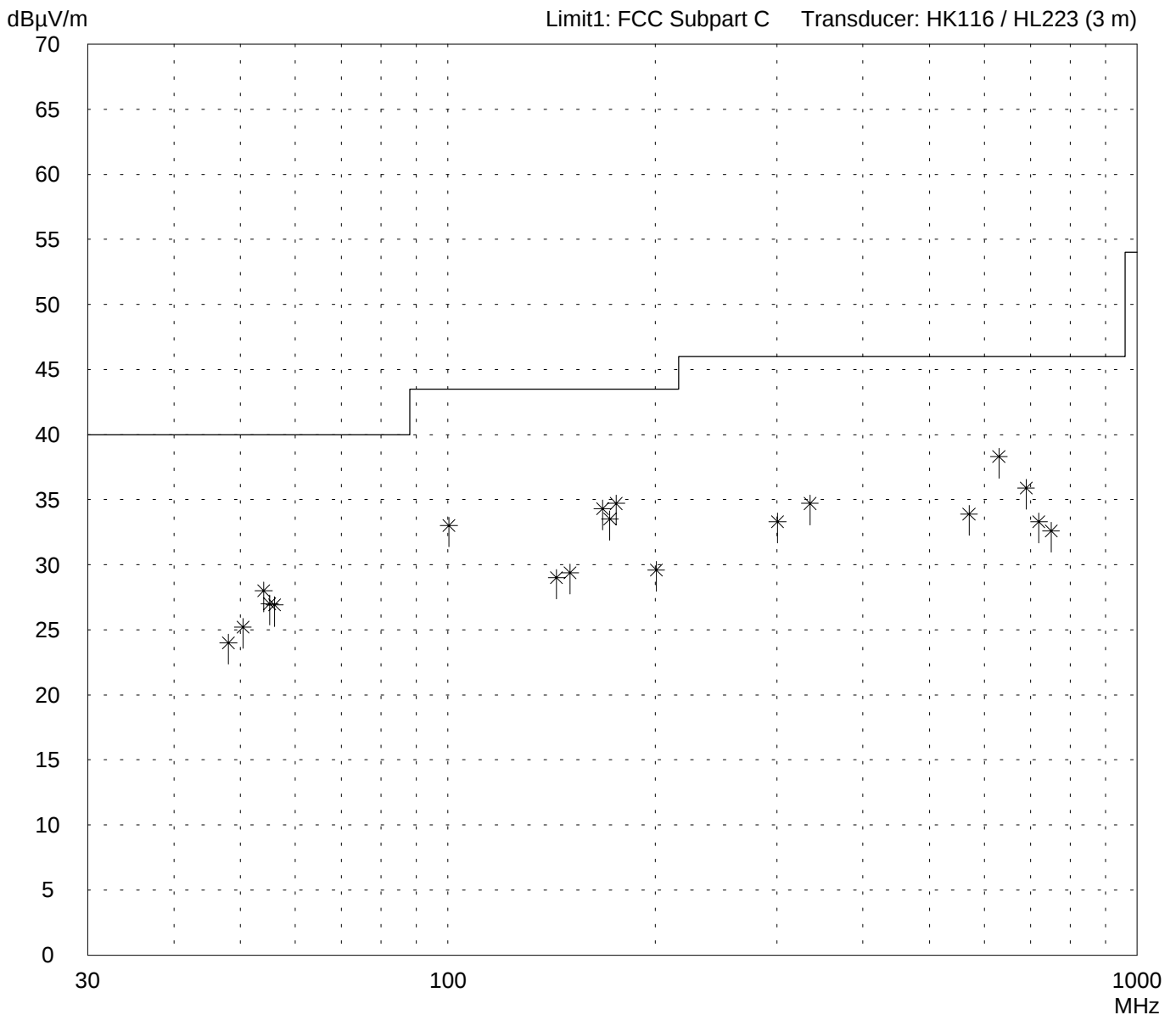
Test performed: by hand File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator: R. Heller

Test performed: by hand File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
48.0	13.0	11.0	24.0	40.0	
50.4	14.5	10.7	25.2	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	16.5	10.5	27.0	40.0	
56.0	16.5	10.4	26.9	40.0	
100.3	21.5	11.5	33.0	43.5	
143.7	14.5	14.5	29.0	43.5	
150.4	14.5	14.9	29.4	43.5	
167.6	18.5	15.8	34.3	43.5	
171.8	17.5	16.0	33.5	43.5	
175.4	18.5	16.2	34.7	43.5	
200.5	12.5	17.1	29.6	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	16.5	18.2	34.7	46.0	
570.1	9.5	24.4	33.9	46.0	
630.1	12.5	25.8	38.3	46.0	
690.1	8.5	27.4	35.9	46.0	
720.1	5.5	27.8	33.3	46.0	
750.1	4.5	28.1	32.6	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

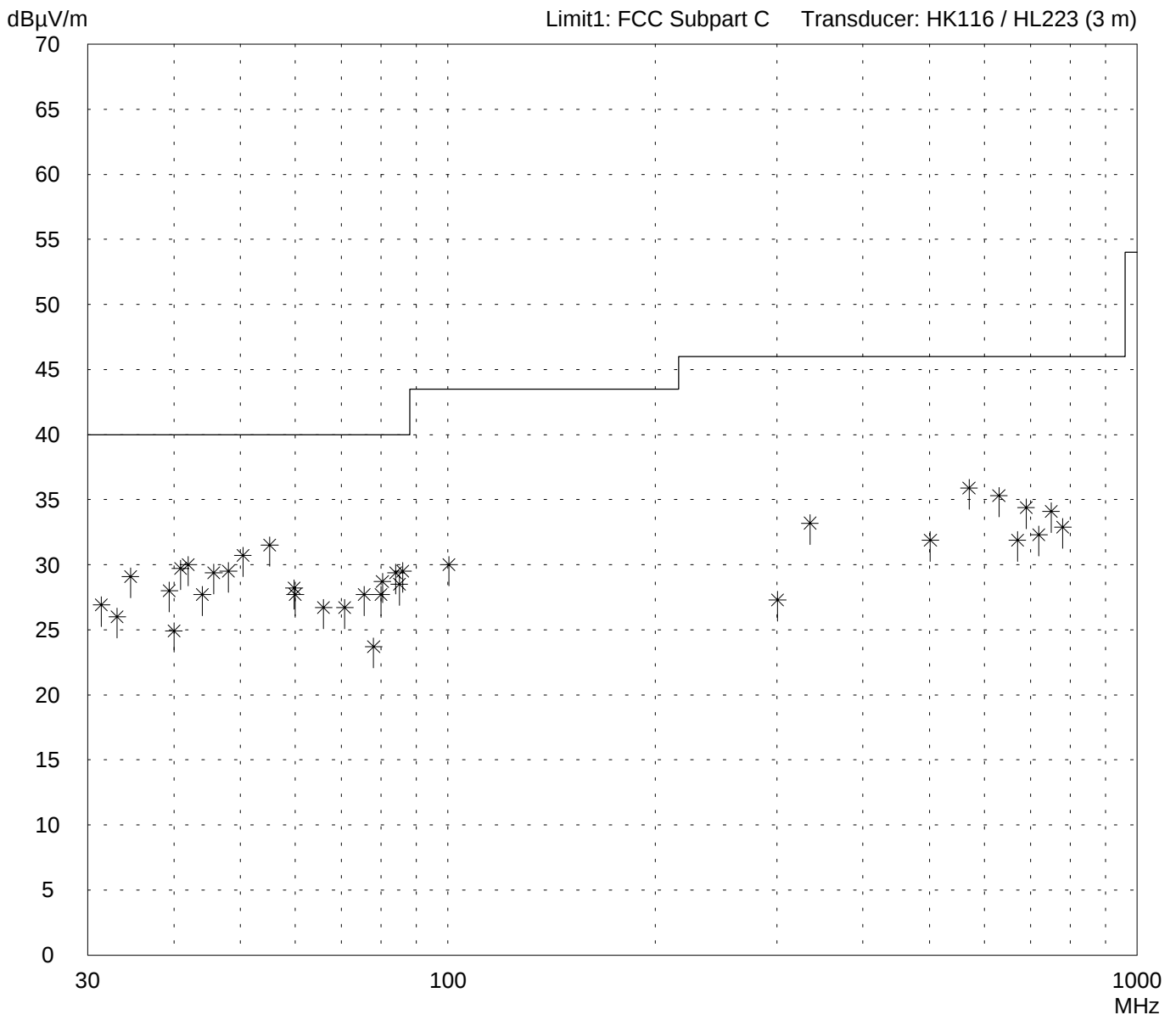
Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
31.4	12.5	14.4	26.9	40.0	
33.1	12.0	14.0	26.0	40.0	
34.6	15.5	13.6	29.1	40.0	
39.4	15.5	12.5	28.0	40.0	
40.0	12.5	12.4	24.9	40.0	
40.9	17.5	12.2	29.7	40.0	
42.0	18.0	12.0	30.0	40.0	
44.0	16.0	11.7	27.7	40.0	
45.7	18.0	11.4	29.4	40.0	
48.0	18.5	11.0	29.5	40.0	
50.4	20.0	10.7	30.7	40.0	
55.1	21.0	10.5	31.5	40.0	
59.8	18.0	10.2	28.2	40.0	
60.0	17.5	10.2	27.7	40.0	
66.0	16.5	10.2	26.7	40.0	
70.8	16.5	10.2	26.7	40.0	
75.6	17.5	10.2	27.7	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	17.5	10.2	27.7	40.0	
80.3	18.5	10.2	28.7	40.0	
84.0	19.0	10.4	29.4	40.0	
85.0	18.0	10.5	28.5	40.0	
86.0	19.0	10.5	29.5	40.0	
100.3	18.5	11.5	30.0	43.5	
300.7	10.5	16.8	27.3	46.0	
335.2	15.0	18.2	33.2	46.0	
501.2	9.0	22.9	31.9	46.0	
570.1	11.5	24.4	35.9	46.0	
630.1	9.5	25.8	35.3	46.0	
670.4	5.0	26.9	31.9	46.0	
690.1	7.0	27.4	34.4	46.0	
720.1	4.5	27.8	32.3	46.0	
750.1	6.0	28.1	34.1	46.0	
780.1	4.5	28.4	32.9	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator: R. Heller

Test performed: by hand File name:

Mode:

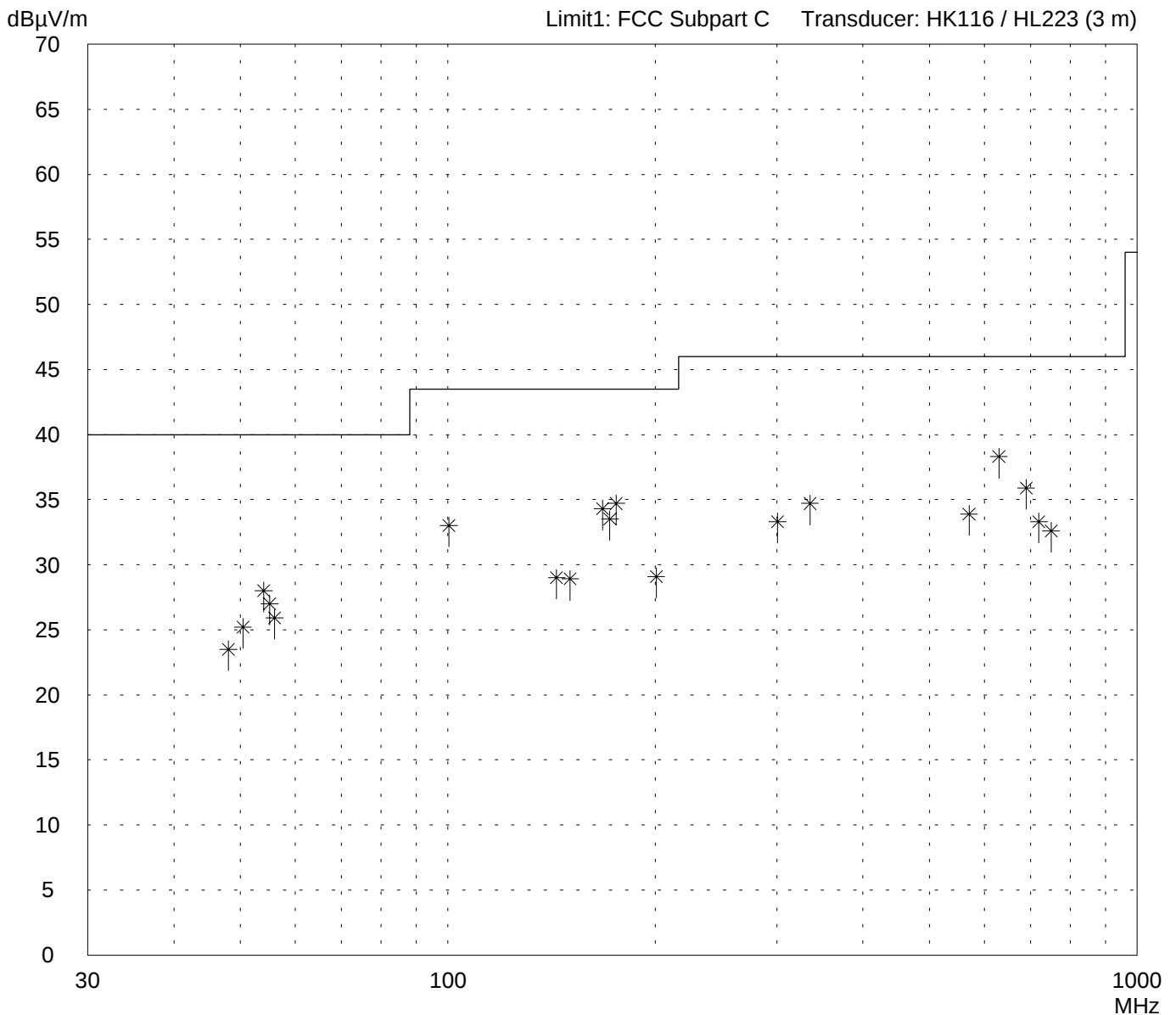
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
48.0	12.5	11.0	23.5	40.0	
50.4	14.5	10.7	25.2	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	16.5	10.5	27.0	40.0	
56.0	15.5	10.4	25.9	40.0	
100.3	21.5	11.5	33.0	43.5	
143.7	14.5	14.5	29.0	43.5	
150.4	14.0	14.9	28.9	43.5	
167.6	18.5	15.8	34.3	43.5	
171.8	17.5	16.0	33.5	43.5	
175.4	18.5	16.2	34.7	43.5	
200.5	12.0	17.1	29.1	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	16.5	18.2	34.7	46.0	
570.1	9.5	24.4	33.9	46.0	
630.1	12.5	25.8	38.3	46.0	
690.1	8.5	27.4	35.9	46.0	
720.1	5.5	27.8	33.3	46.0	
750.1	4.5	28.1	32.6	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

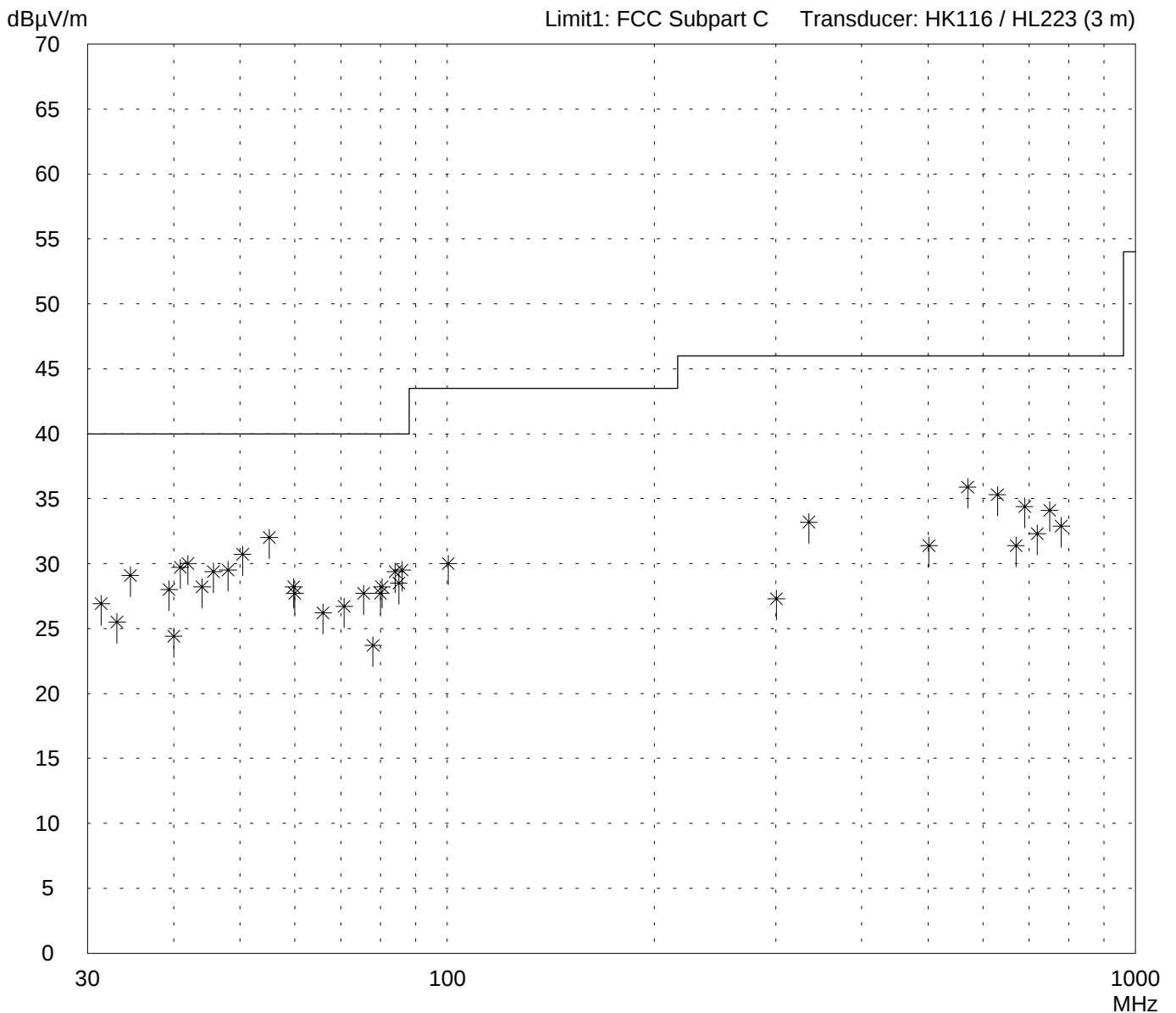
Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
31.4	12.5	14.4	26.9	40.0	
33.1	11.5	14.0	25.5	40.0	
34.6	15.5	13.6	29.1	40.0	
39.4	15.5	12.5	28.0	40.0	
40.0	12.0	12.4	24.4	40.0	
40.9	17.5	12.2	29.7	40.0	
42.0	18.0	12.0	30.0	40.0	
44.0	16.5	11.7	28.2	40.0	
45.7	18.0	11.4	29.4	40.0	
48.0	18.5	11.0	29.5	40.0	
50.4	20.0	10.7	30.7	40.0	
55.1	21.5	10.5	32.0	40.0	
59.8	18.0	10.2	28.2	40.0	
60.0	17.5	10.2	27.7	40.0	
66.0	16.0	10.2	26.2	40.0	
70.8	16.5	10.2	26.7	40.0	
75.6	17.5	10.2	27.7	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	17.5	10.2	27.7	40.0	
80.3	18.0	10.2	28.2	40.0	
84.0	19.0	10.4	29.4	40.0	
85.0	18.0	10.5	28.5	40.0	
86.0	19.0	10.5	29.5	40.0	
100.3	18.5	11.5	30.0	43.5	
300.7	10.5	16.8	27.3	46.0	
335.2	15.0	18.2	33.2	46.0	
501.2	8.5	22.9	31.4	46.0	
570.1	11.5	24.4	35.9	46.0	
630.1	9.5	25.8	35.3	46.0	
670.4	4.5	26.9	31.4	46.0	
690.1	7.0	27.4	34.4	46.0	
720.1	4.5	27.8	32.3	46.0	
750.1	6.0	28.1	34.1	46.0	
780.1	4.5	28.4	32.9	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator: R. Heller

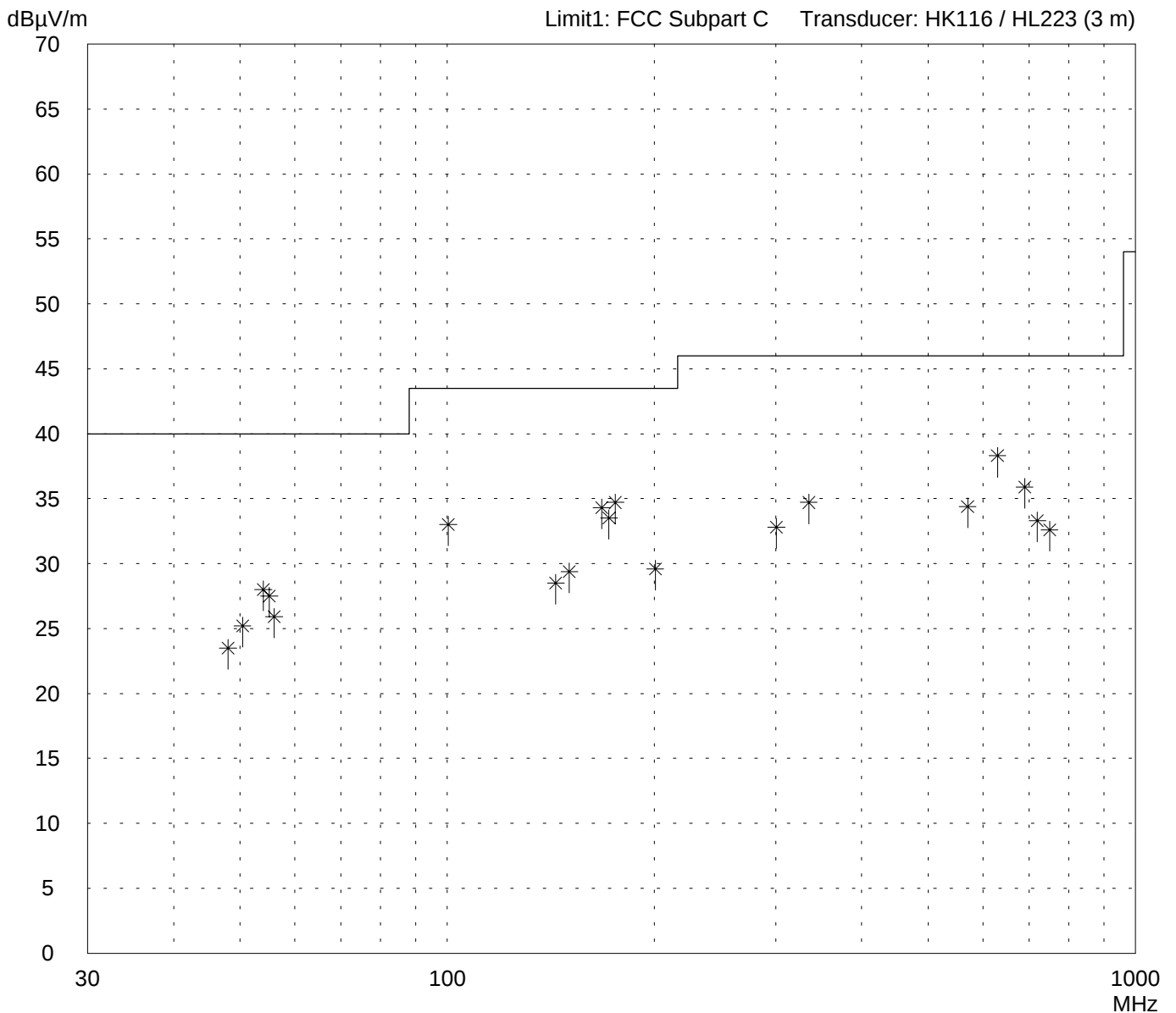
Test performed: by hand File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
48.0	12.5	11.0	23.5	40.0	
50.4	14.5	10.7	25.2	40.0	
54.0	17.5	10.5	28.0	40.0	
55.1	17.0	10.5	27.5	40.0	
56.0	15.5	10.4	25.9	40.0	
100.3	21.5	11.5	33.0	43.5	
143.7	14.0	14.5	28.5	43.5	
150.4	14.5	14.9	29.4	43.5	
167.6	18.5	15.8	34.3	43.5	
171.8	17.5	16.0	33.5	43.5	
175.4	18.5	16.2	34.7	43.5	
200.5	12.5	17.1	29.6	43.5	
300.7	16.0	16.8	32.8	46.0	
335.2	16.5	18.2	34.7	46.0	
570.1	10.0	24.4	34.4	46.0	
630.1	12.5	25.8	38.3	46.0	
690.1	8.5	27.4	35.9	46.0	
720.1	5.5	27.8	33.3	46.0	
750.1	4.5	28.1	32.6	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

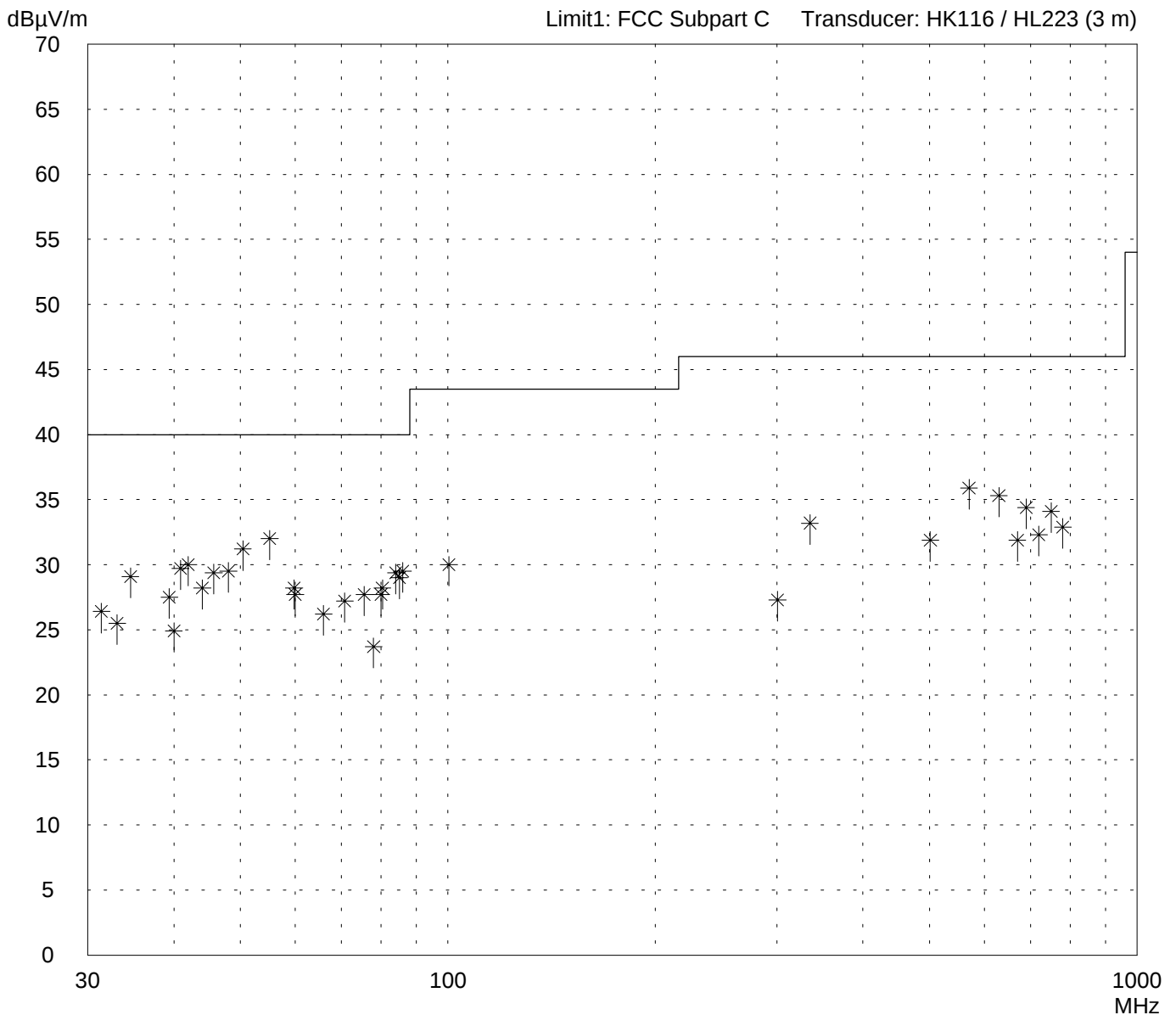
Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
31.4	12.0	14.4	26.4	40.0	
33.1	11.5	14.0	25.5	40.0	
34.6	15.5	13.6	29.1	40.0	
39.4	15.0	12.5	27.5	40.0	
40.0	12.5	12.4	24.9	40.0	
40.9	17.5	12.2	29.7	40.0	
42.0	18.0	12.0	30.0	40.0	
44.0	16.5	11.7	28.2	40.0	
45.7	18.0	11.4	29.4	40.0	
48.0	18.5	11.0	29.5	40.0	
50.4	20.5	10.7	31.2	40.0	
55.1	21.5	10.5	32.0	40.0	
59.8	18.0	10.2	28.2	40.0	
60.0	17.5	10.2	27.7	40.0	
66.0	16.0	10.2	26.2	40.0	
70.8	17.0	10.2	27.2	40.0	
75.6	17.5	10.2	27.7	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	17.5	10.2	27.7	40.0	
80.3	18.0	10.2	28.2	40.0	
84.0	19.0	10.4	29.4	40.0	
85.0	18.5	10.5	29.0	40.0	
86.0	19.0	10.5	29.5	40.0	
100.3	18.5	11.5	30.0	43.5	
300.7	10.5	16.8	27.3	46.0	
335.2	15.0	18.2	33.2	46.0	
501.2	9.0	22.9	31.9	46.0	
570.1	11.5	24.4	35.9	46.0	
630.1	9.5	25.8	35.3	46.0	
670.4	5.0	26.9	31.9	46.0	
690.1	7.0	27.4	34.4	46.0	
720.1	4.5	27.8	32.3	46.0	
750.1	6.0	28.1	34.1	46.0	
780.1	4.5	28.4	32.9	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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	horizontal	50.4		0.6	20.7	50.4	74
2.3980	horizontal	67.0		0.6	20.7	67.0	NRB
2.4000	horizontal	64.1		0.6	20.7	64.1	NRB
2.4027	horizontal	73.8		0.6	20.7	73.8	OB
2.4140	horizontal	101.0		0.6	20.7	101.0	OB
2.4223	horizontal	73.8		0.6	20.7	73.8	OB
4.8303	vertical	45.8	-88.8		27.3	45.4	74
7.2391	horizontal	44.6	-91.1		29.9	45.8	NRB
9.6467	horizontal	45.8	-93.7		33.4	46.7	NRB

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 PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

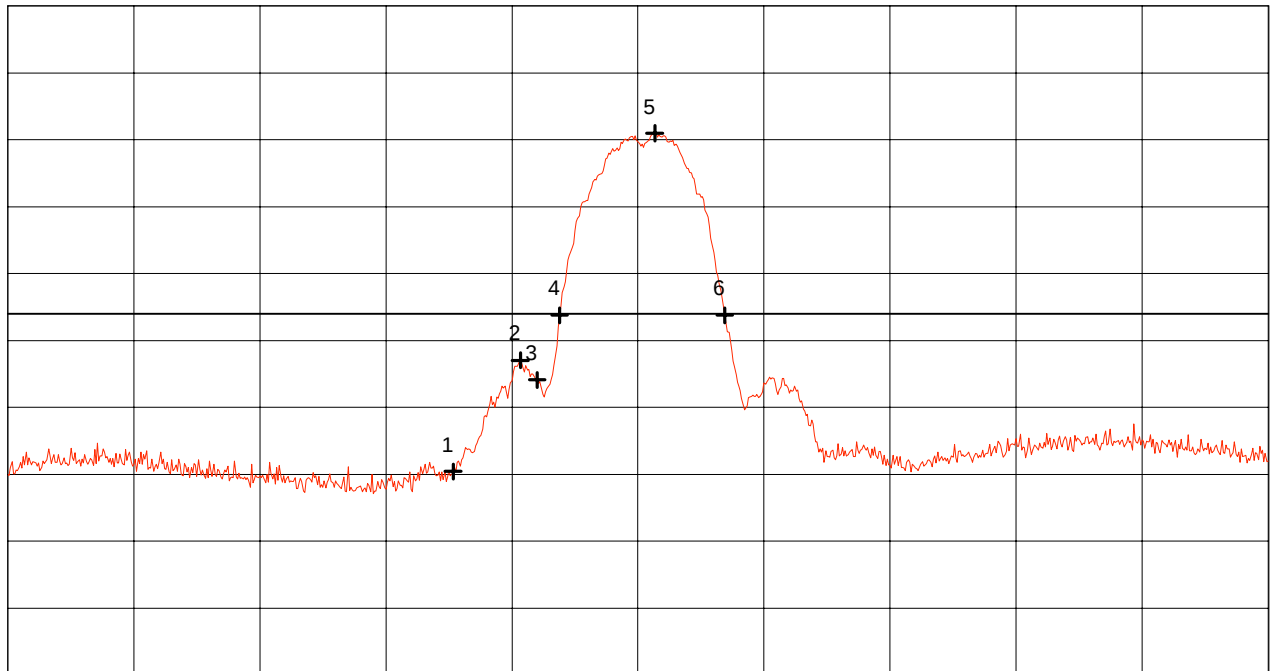
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	50.43 dB μ V/m
Nr.2	2.398000 GHz	67.04 dB μ V/m
Nr.3	2.400000 GHz	64.10 dB μ V/m
Nr.4	2.402667 GHz	73.77 dB μ V/m
Nr.5	2.414000 GHz	100.99 dB μ V/m
Nr.6	2.422333 GHz	73.77 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

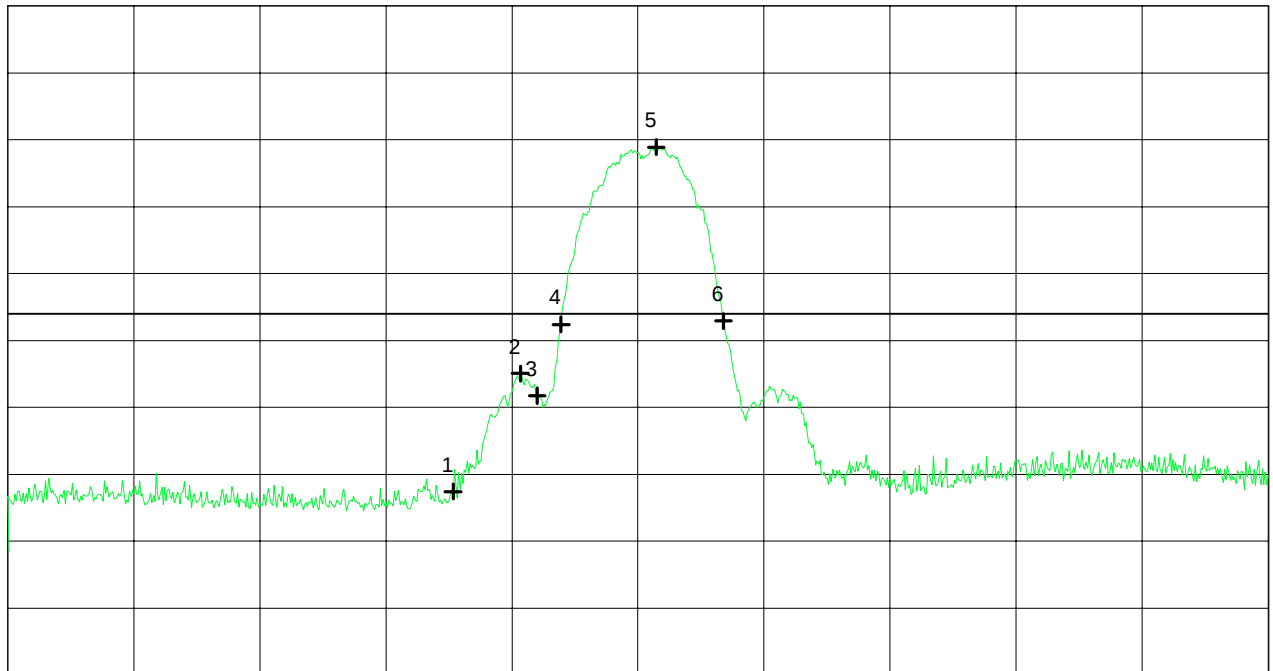
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	47.41 dB μ V/m
Nr.2	2.398000 GHz	65.04 dB μ V/m
Nr.3	2.400000 GHz	61.73 dB μ V/m
Nr.4	2.402833 GHz	72.40 dB μ V/m
Nr.5	2.414167 GHz	98.91 dB μ V/m
Nr.6	2.422167 GHz	72.91 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer- reading [dB μ V]	Generator- level [dBm]	Cable loss [dB]	Antenna- correction [dB]	Fieldstrength [dB μ V/m]	Limit [dB μ V/m]
2.3900	horizontal	39.4		0.6	20.7	39.4	54
2.3937	horizontal	53.8		0.6	20.7	53.8	NRB
2.3985	horizontal	62.3		0.6	20.7	62.3	NRB
2.4000	horizontal	57.8		0.6	20.7	57.8	NRB
2.4130	horizontal	97.6		0.6	20.7	97.6	OB
2.4312	horizontal	53.8		0.6	20.7	53.8	OB
4.8241	vertical	43.7	-90.7		27.3	43.6	54
7.2389	horizontal	39.4	-96.2		29.9	40.7	NRB
9.6481	horizontal	41.9	-97.4		33.4	43.0	NRB

Note: OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.6 dB μ V/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

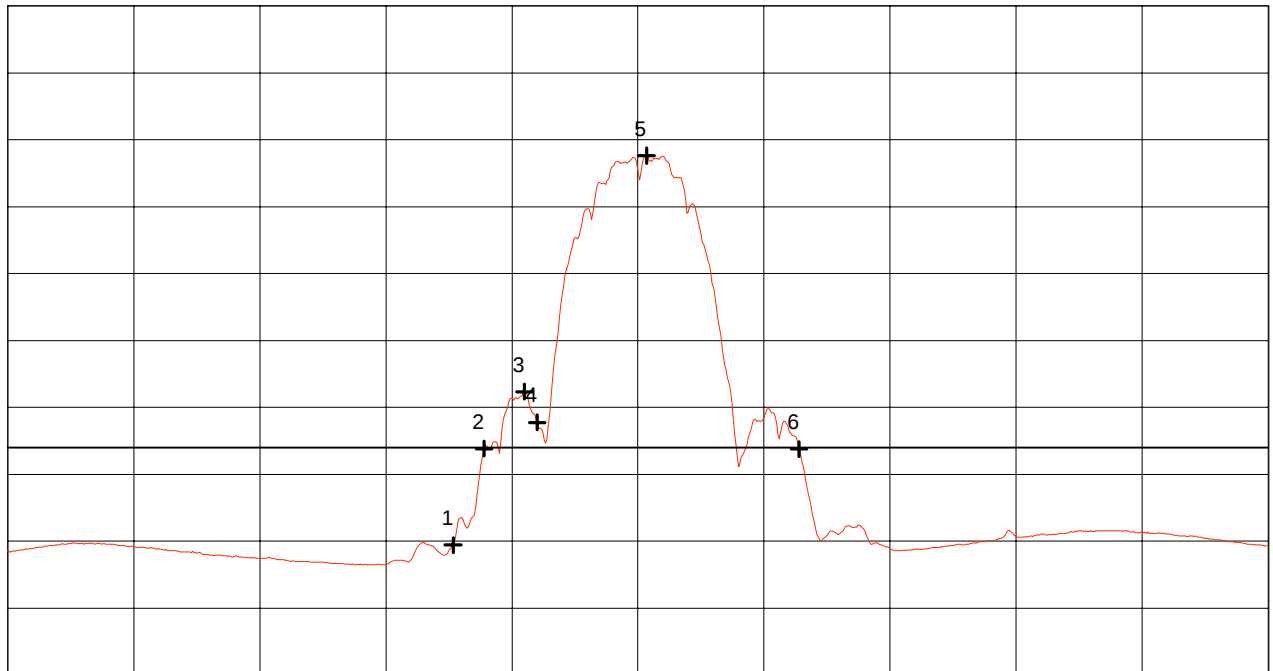
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	39.41 dB μ V/m
Nr.2	2.393667 GHz	53.81 dB μ V/m
Nr.3	2.398500 GHz	62.34 dB μ V/m
Nr.4	2.400000 GHz	57.75 dB μ V/m
Nr.5	2.413000 GHz	97.62 dB μ V/m
Nr.6	2.431167 GHz	53.76 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

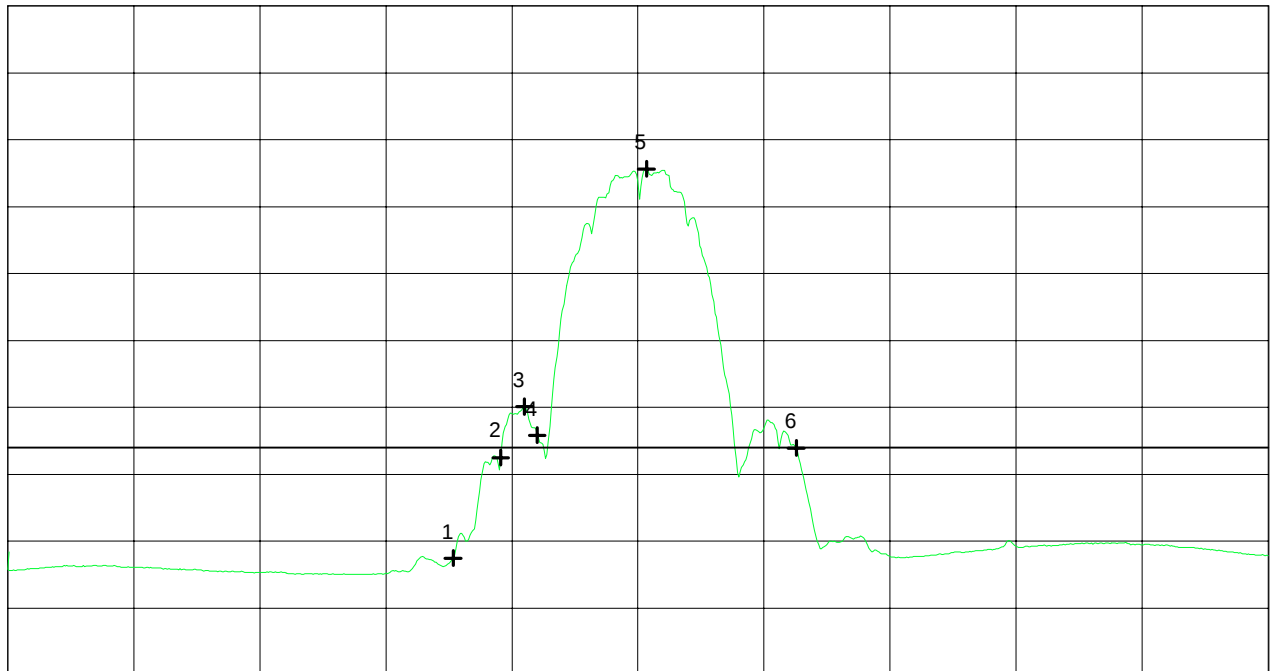
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	37.46 dB μ V/m
Nr.2	2.395667 GHz	52.49 dB μ V/m
Nr.3	2.398500 GHz	60.11 dB μ V/m
Nr.4	2.400000 GHz	55.82 dB μ V/m
Nr.5	2.413000 GHz	95.63 dB μ V/m
Nr.6	2.430833 GHz	53.94 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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]
2.4327	horizontal	73.2		0.6	20.7	73.2	OB
2.4440	horizontal	101.0		0.6	20.7	101.0	OB
2.4522	horizontal	73.6		0.6	20.7	73.6	OB
4.8894	vertical	48.4	-86.0		27.3	48.3	74
7.3305	horizontal	48.2	-88.5		29.9	48.5	74
9.7680	horizontal	46.9	-93.1		33.4	47.3	NRB

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 PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

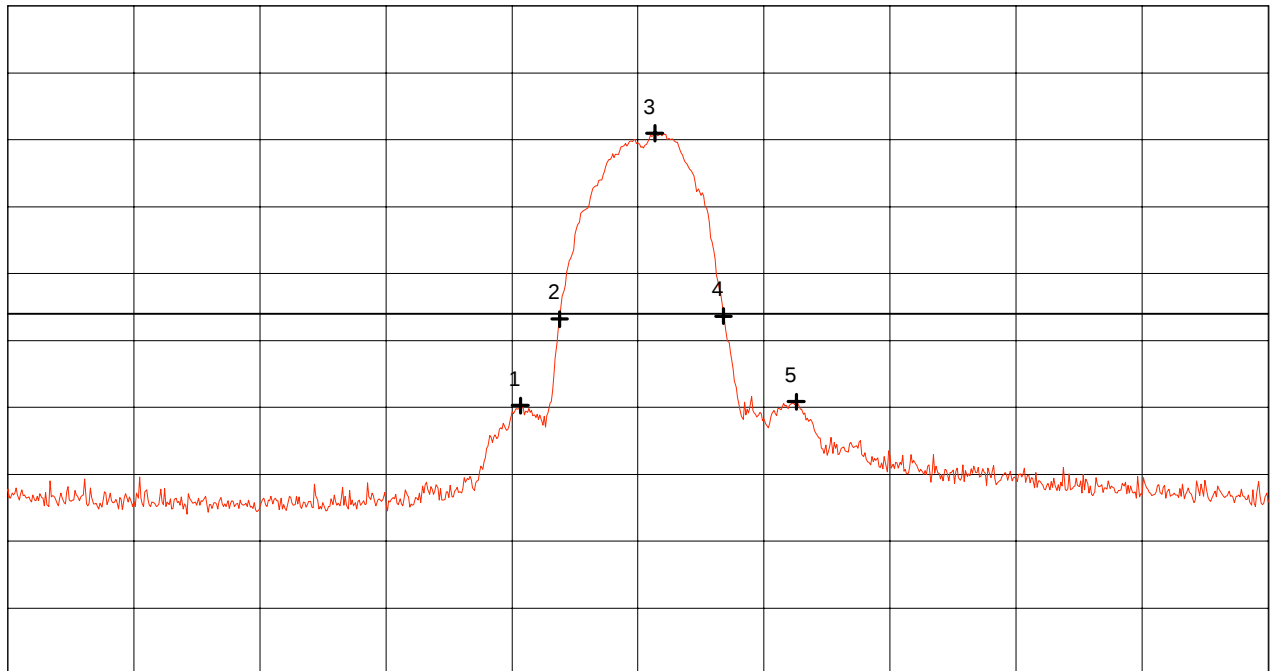
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	60.29 dB μ V/m
Nr.2	2.432667 GHz	73.19 dB μ V/m
Nr.3	2.444000 GHz	100.97 dB μ V/m
Nr.4	2.452167 GHz	73.64 dB μ V/m
Nr.5	2.460833 GHz	60.85 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

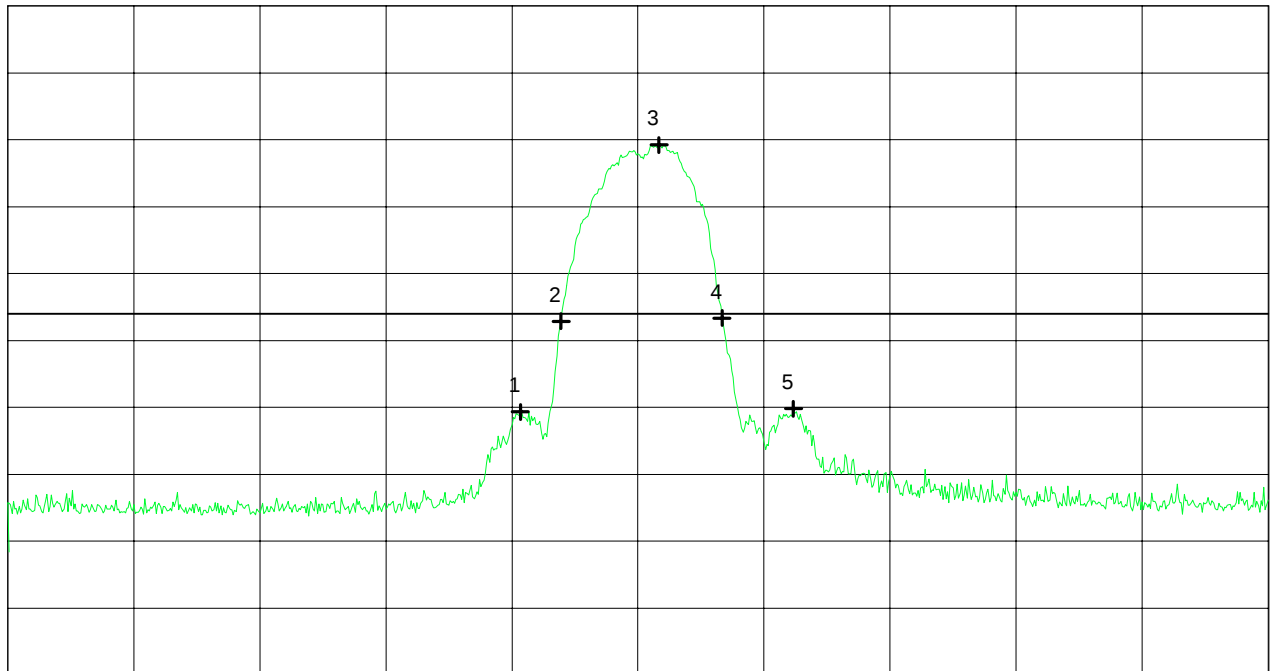
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	59.30 dB μ V/m
Nr.2	2.432833 GHz	72.86 dB μ V/m
Nr.3	2.444500 GHz	99.22 dB μ V/m
Nr.4	2.452000 GHz	73.34 dB μ V/m
Nr.5	2.460500 GHz	59.80 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector: Average

Frequency [GHz]	Polarization	Analyzer- reading [dB μ V]	Generator- level [dBm]	Cable loss [dB]	Antenna- correction [dB]	Fieldstrength [dB μ V/m]	Limit [dB μ V/m]
2.4282	horizontal	53.8		0.6	20.7	53.8	OB
2.4448	horizontal	97.6		0.6	20.7	97.6	OB
2.4598	horizontal	53.5		0.6	20.7	53.5	OB
4.8841	vertical	46.9	-87.3		27.3	47.0	54
7.3289	horizontal	44.0	-92.6		29.9	44.3	54
9.7680	horizontal	45.0	-94.9		33.4	45.6	NRB

Note: OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 97.6 dB μ V/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

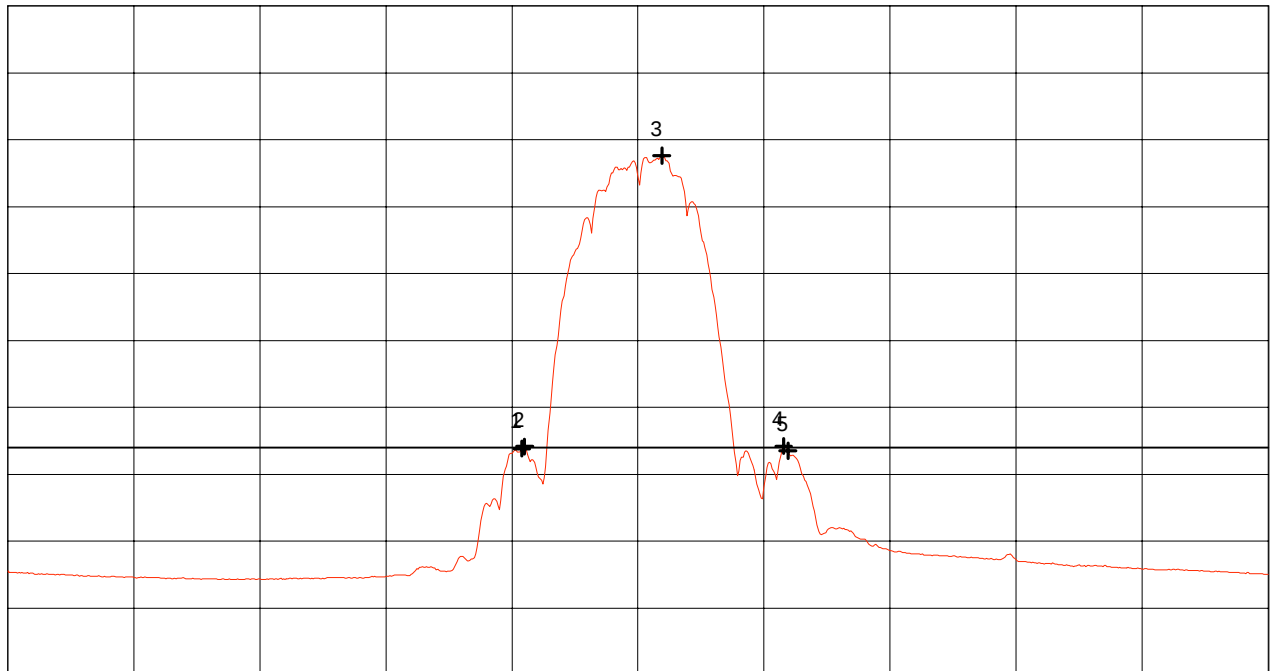
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.428167 GHz	53.84 dB μ V/m
Nr.2	2.428500 GHz	54.14 dB μ V/m
Nr.3	2.444833 GHz	97.62 dB μ V/m
Nr.4	2.459333 GHz	54.22 dB μ V/m
Nr.5	2.459833 GHz	53.51 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

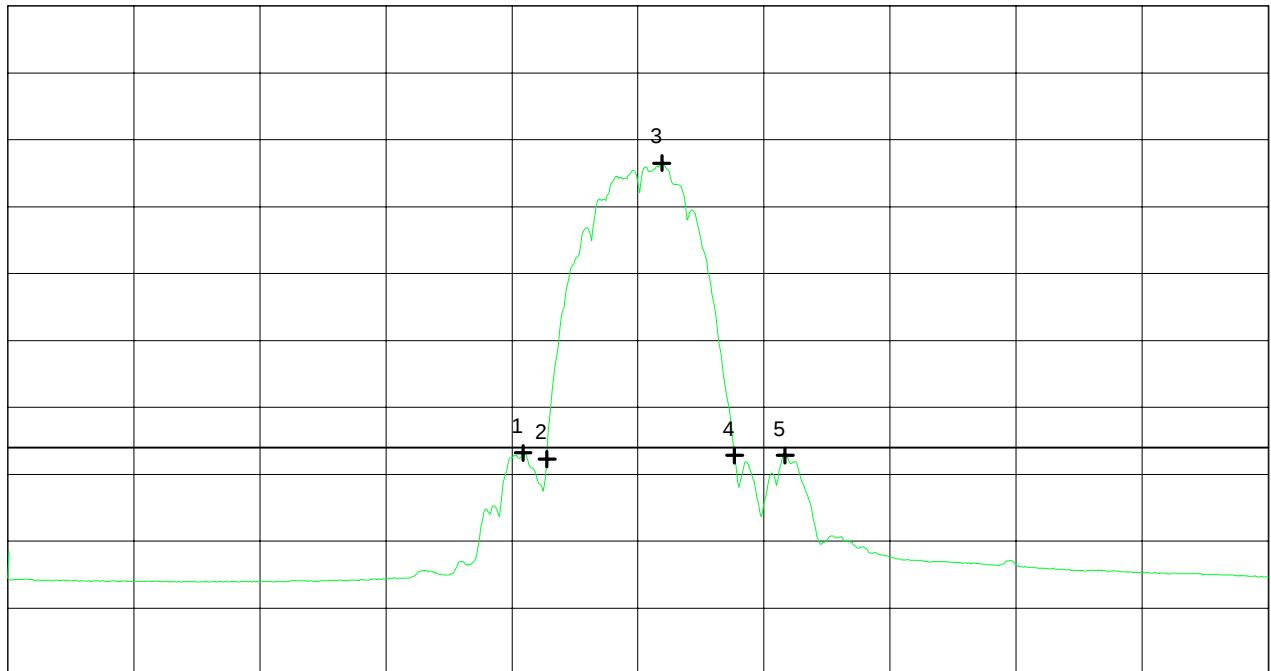
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.428333 GHz	53.20 dB μ V/m
Nr.2	2.431167 GHz	52.26 dB μ V/m
Nr.3	2.444833 GHz	96.52 dB μ V/m
Nr.4	2.453500 GHz	52.82 dB μ V/m
Nr.5	2.459500 GHz	52.80 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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]
2.4523	horizontal	72.6		0.6	20.7	72.6	OB
2.4640	horizontal	102.6		0.6	20.7	102.6	OB
2.4723	horizontal	73.3		0.6	20.7	73.3	OB
2.4835	horizontal	53.1		0.6	20.7	53.1	74
2.4847	horizontal	52.2		0.6	20.7	52.2	74
2.5000	horizontal	45.5		0.6	20.7	45.5	74
4.9296	vertical	52.2	-82.2		27.3	52.1	74
7.3906	vertical	47.9	-88.2		30.0	48.7	74
9.8473	horizontal	48.7	-91.0		33.4	49.4	NRB

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 102.6 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

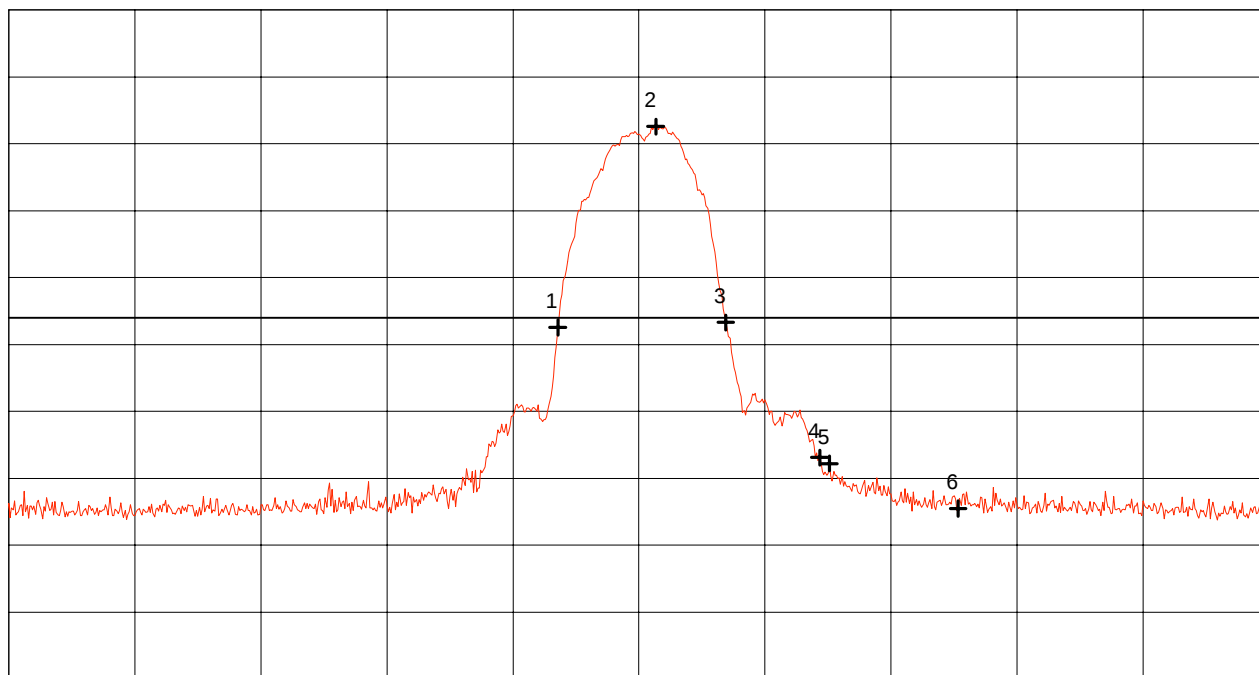
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.452333 GHz	72.55 dB μ V/m
Nr.2	2.464000 GHz	102.59 dB μ V/m
Nr.3	2.472333 GHz	73.29 dB μ V/m
Nr.4	2.483500 GHz	53.10 dB μ V/m
Nr.5	2.484667 GHz	52.19 dB μ V/m
Nr.6	2.500000 GHz	45.46 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

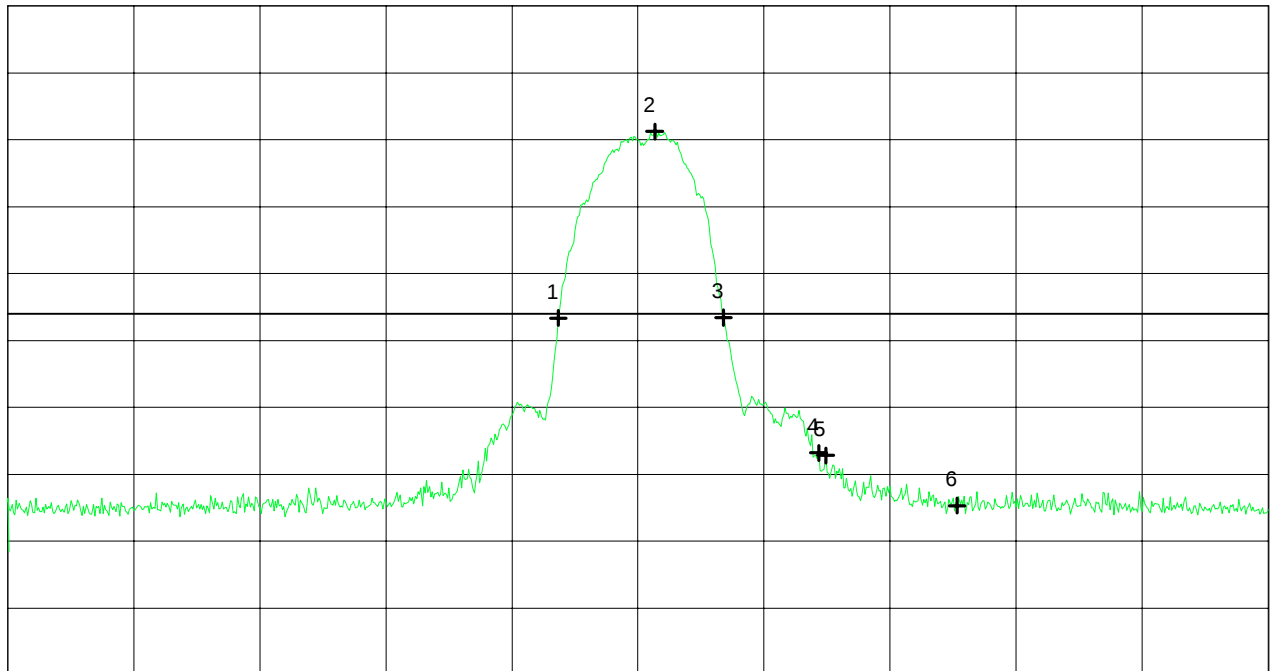
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.452500 GHz	73.34 dB μ V/m
Nr.2	2.464000 GHz	101.22 dB μ V/m
Nr.3	2.472167 GHz	73.42 dB μ V/m
Nr.4	2.483500 GHz	53.20 dB μ V/m
Nr.5	2.484333 GHz	52.80 dB μ V/m
Nr.6	2.500000 GHz	45.30 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/07/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- 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]
2.4465	vertical	53.7		0.6	20.7	53.7	OB
2.4648	vertical	99.3		0.6	20.7	99.3	OB
2.4795	vertical	53.7		0.6	20.7	53.7	OB
2.4835	vertical	40.5		0.6	20.7	40.5	54
2.4848	vertical	40.9		0.6	20.7	40.9	54
2.5000	vertical	35.5		0.6	20.7	35.5	54
4.9241	vertical	50.6	-83.6		27.3	50.7	54
7.3886	vertical	45.1	-90.9		30.0	46.0	54
9.8480	horizontal	45.7	-93.8		33.4	46.7	NRB

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 99.3 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

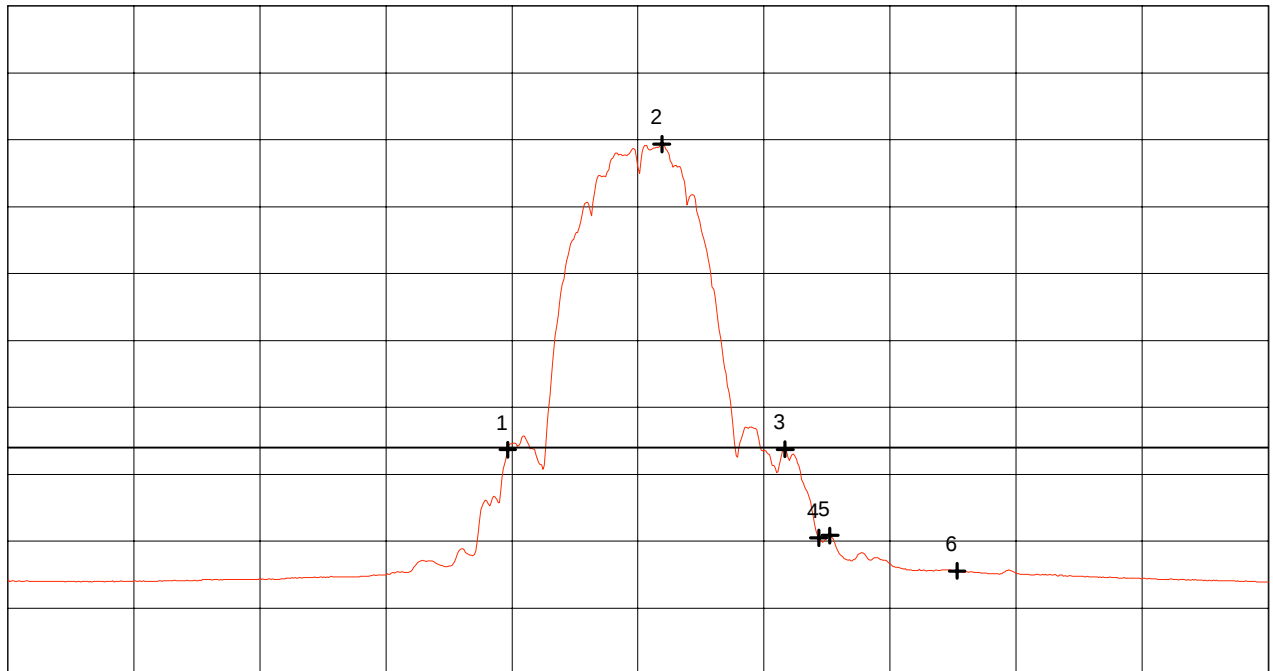
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.446500 GHz	53.68 dB μ V/m
Nr.2	2.464833 GHz	99.34 dB μ V/m
Nr.3	2.479500 GHz	53.74 dB μ V/m
Nr.4	2.483500 GHz	40.48 dB μ V/m
Nr.5	2.484833 GHz	40.86 dB μ V/m
Nr.6	2.500000 GHz	35.53 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

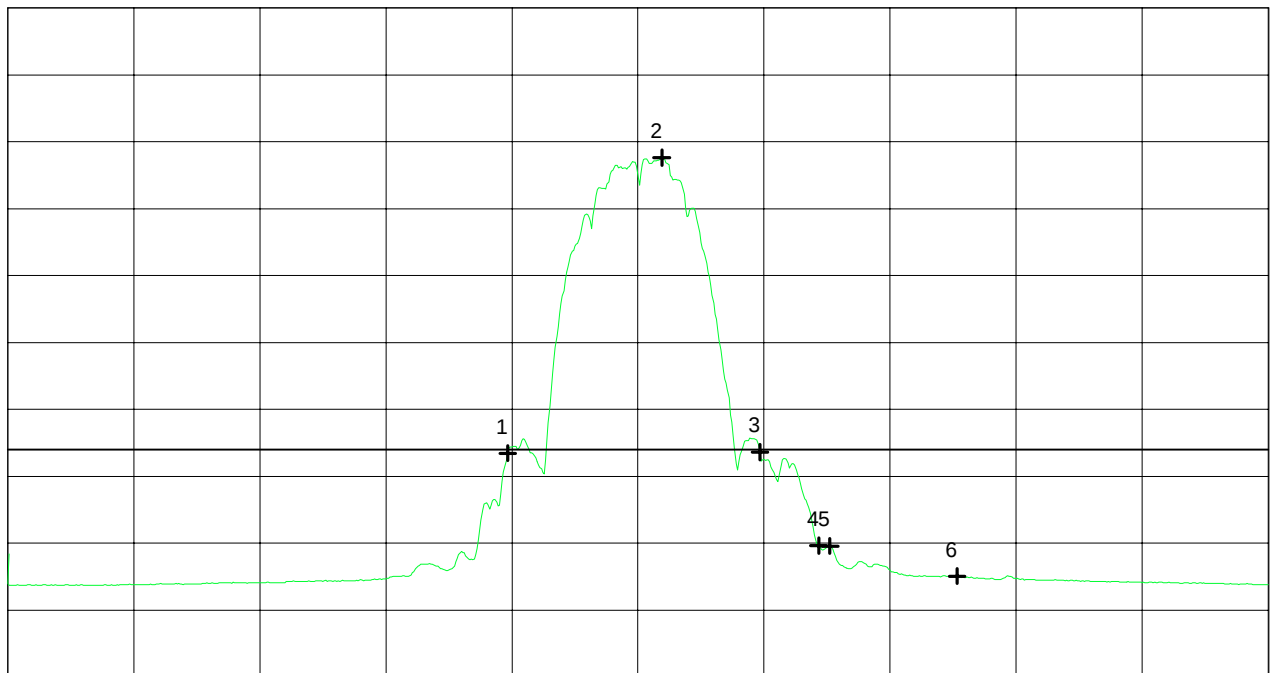
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/m
10 dB dB/Div.

ATT 0 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	2.446500 GHz	53.43 dB μ V/m
Nr.2	2.464833 GHz	97.62 dB μ V/m
Nr.3	2.476500 GHz	53.61 dB μ V/m
Nr.4	2.483500 GHz	39.64 dB μ V/m
Nr.5	2.484833 GHz	39.59 dB μ V/m
Nr.6	2.500000 GHz	35.05 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/07/1999

Project-No.:
56305-90204-1

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Test results for setup no. 1

Receive (RX) mode

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase L1

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

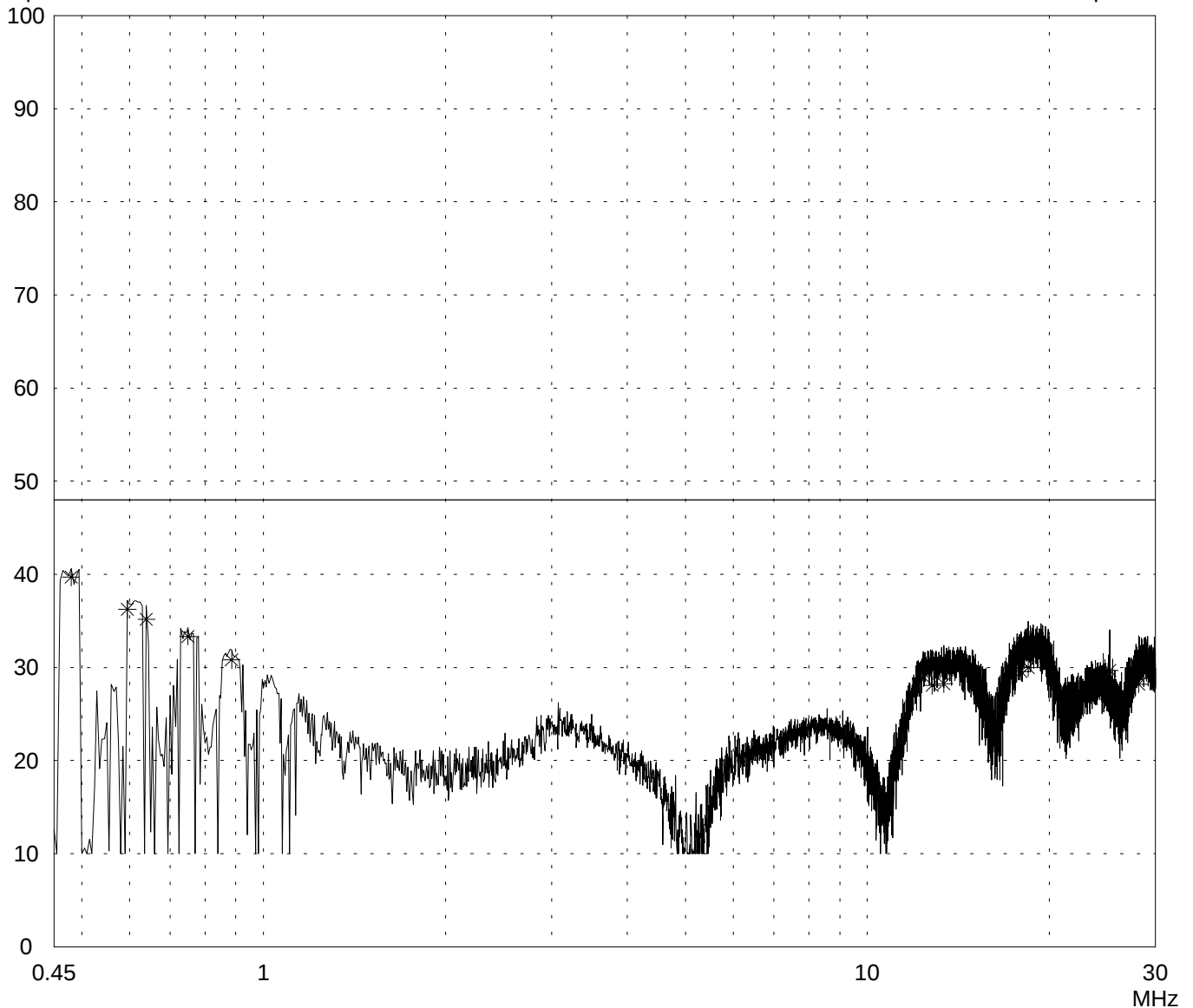
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna
- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - RX mode with $f = 2.442 \text{ GHz}$
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord notebook (EUT) Phase L1	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.480	39.7		39.7	48.0	
0.595	36.2		36.2	48.0	
0.640	35.2		35.2	48.0	
0.750	33.3		33.3	48.0	
0.885	30.8		30.8	48.0	
12.795	28.1		28.1	48.0	
13.400	28.2		28.2	48.0	
17.985	29.6		29.6	48.0	
18.465	30.0		30.0	48.0	
25.205	29.7		29.7	48.0	
28.155	28.2		28.2	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 113 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

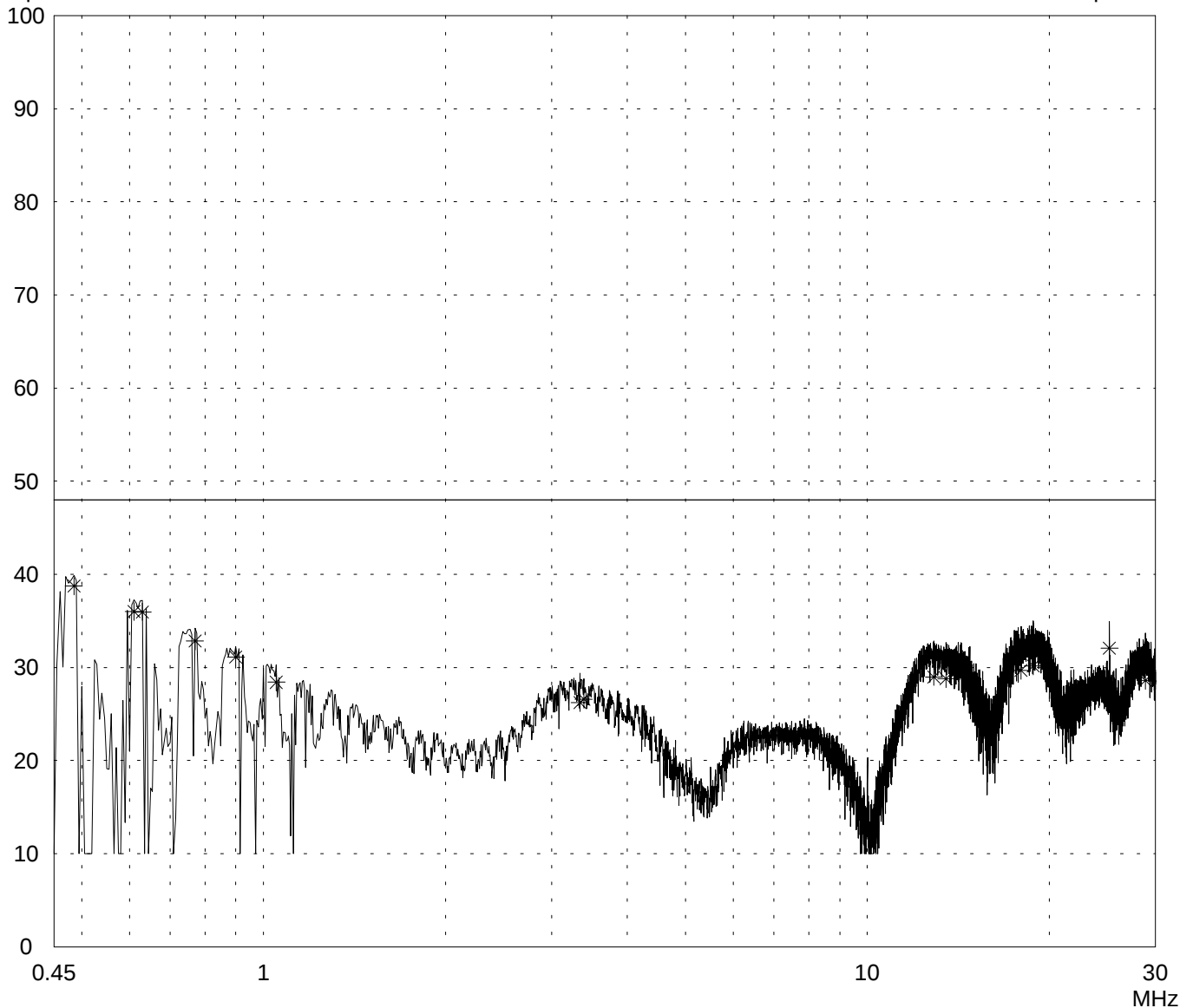
- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord notebook (EUT)
Phase N

Date of test: 04/14/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.485	38.7		38.7	48.0	
0.610	36.0		36.0	48.0	
0.630	36.0		36.0	48.0	
0.770	32.9		32.9	48.0	
0.900	31.1		31.1	48.0	
1.050	28.4		28.4	48.0	
3.340	26.2		26.2	48.0	
3.390	26.6		26.6	48.0	
12.895	29.0		29.0	48.0	
13.505	28.8		28.8	48.0	
17.985	29.7		29.7	48.0	
18.830	30.1		30.1	48.0	
25.180	32.1		32.1	48.0	
28.885	28.6		28.6	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/14/1999 Operator: R. Heller

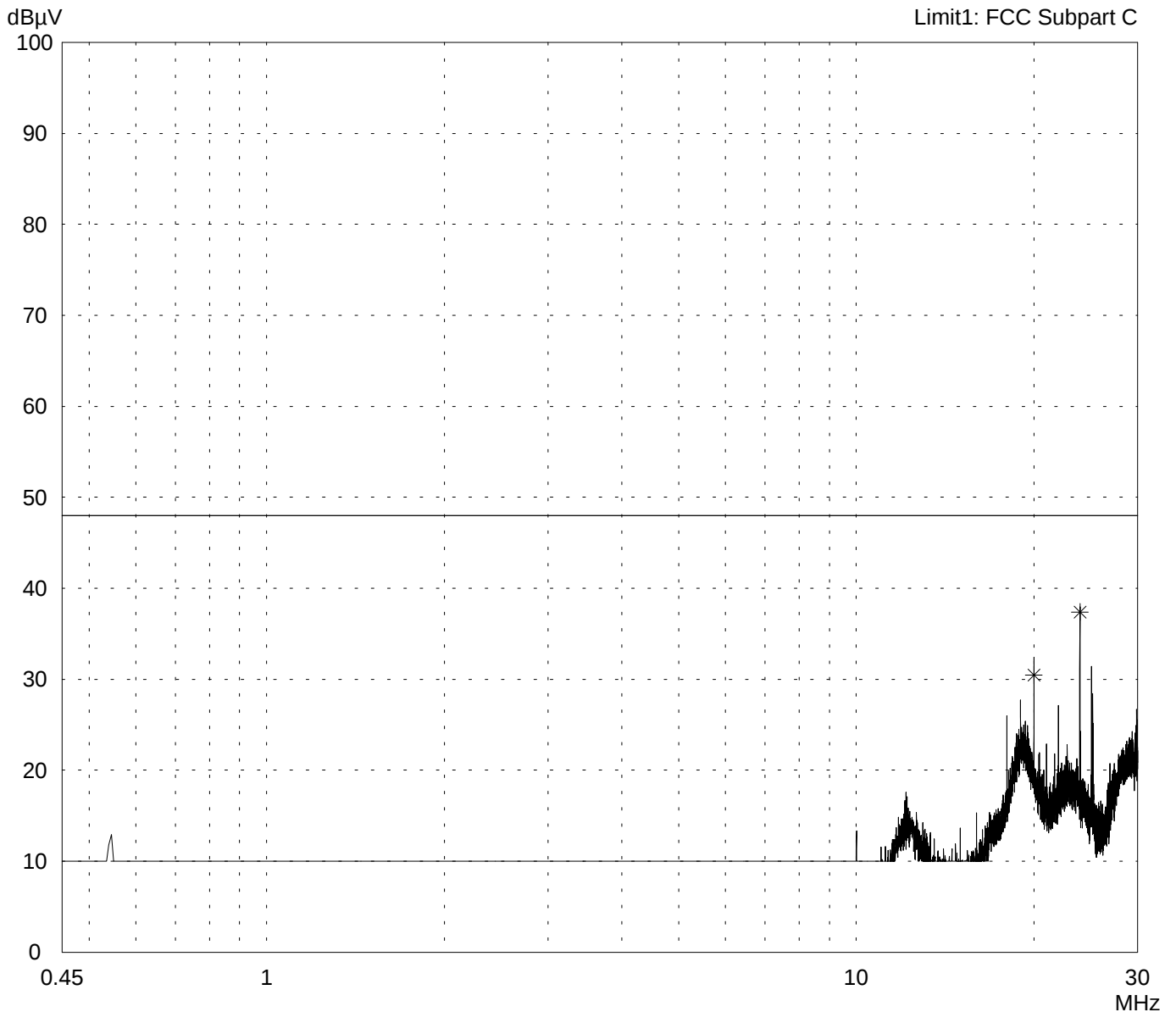
Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit kept

Project file:
56305-90204-1

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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C
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Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - RX mode with $f = 2.442 \text{ GHz}$
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase L1	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	30.5		30.5	48.0	
23.940	37.4		37.4	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 117 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/14/1999 Operator: R. Heller

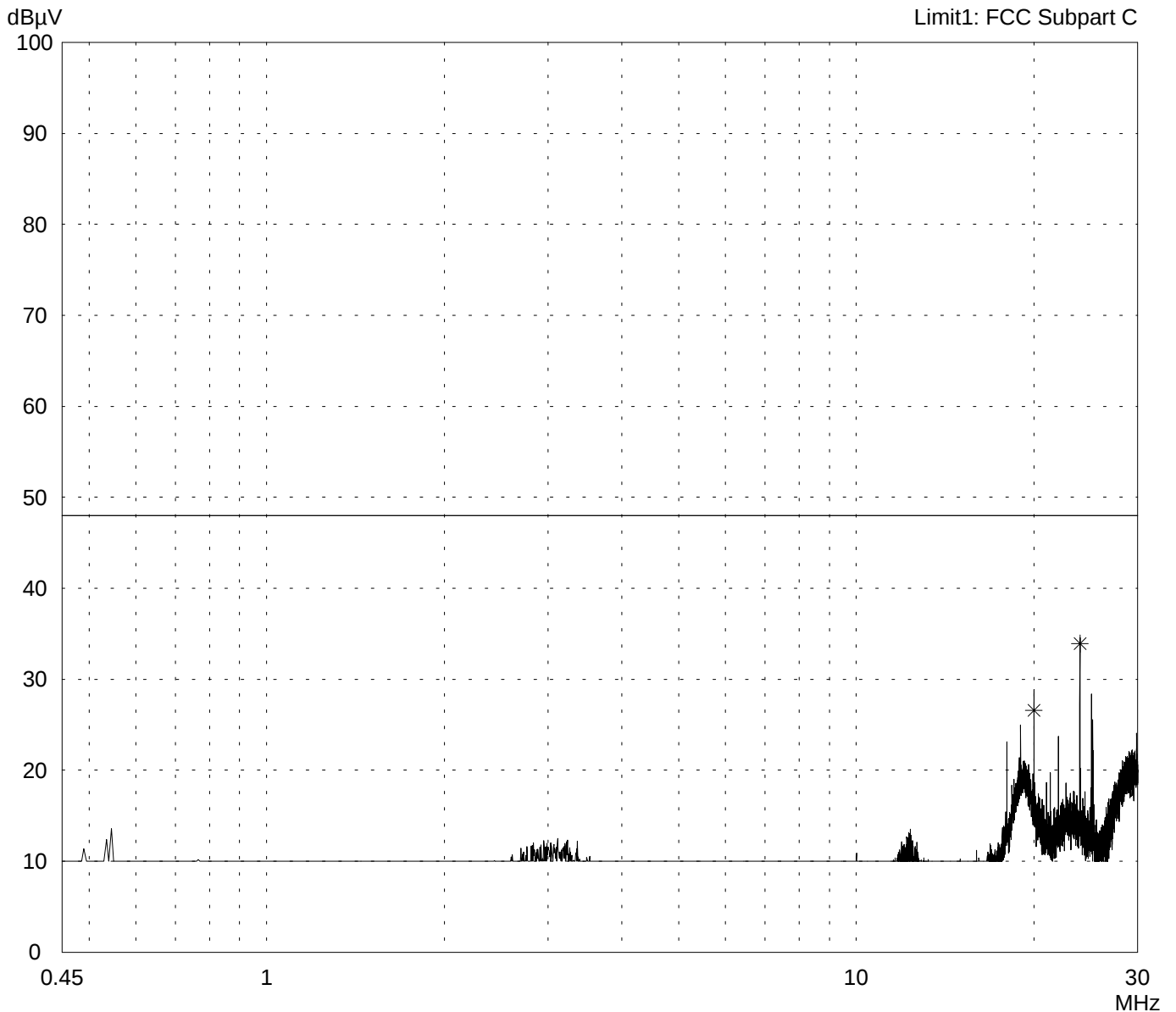
Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200 - FCC test setup - supply voltage 115 V AC - using internal antenna - RX mode with $f = 2.442 \text{ GHz}$
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Shielded room, cabin no. 2	
Tested on: Linecord peripheral devices Phase N	
Date of test: 04/14/1999	
Test performed: automatically	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
20.005	26.6		26.6	48.0	
23.940	33.9		33.9	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 119 of 267 Pages
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Radiated Emission Test 30 MHz - 300 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

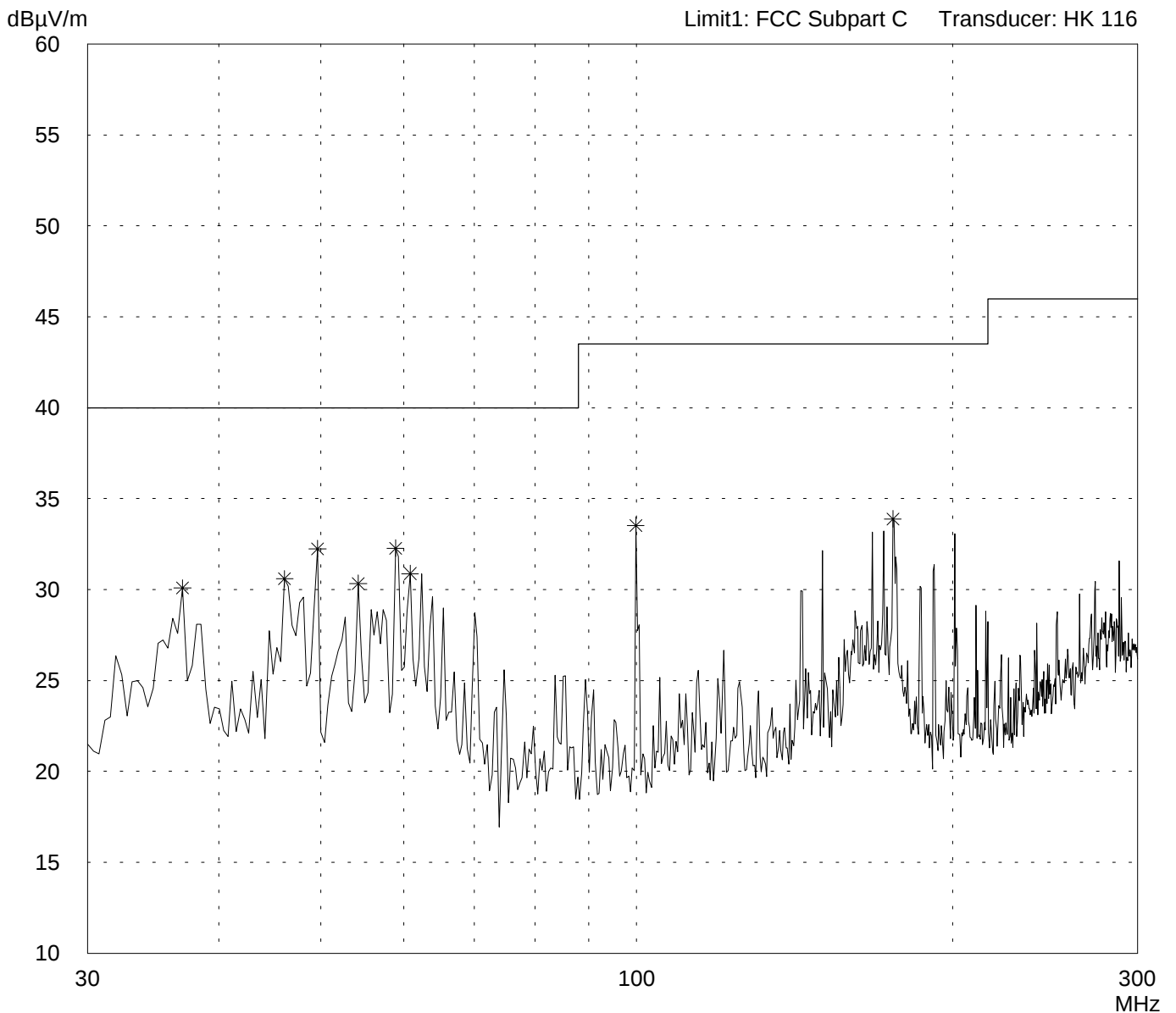
Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

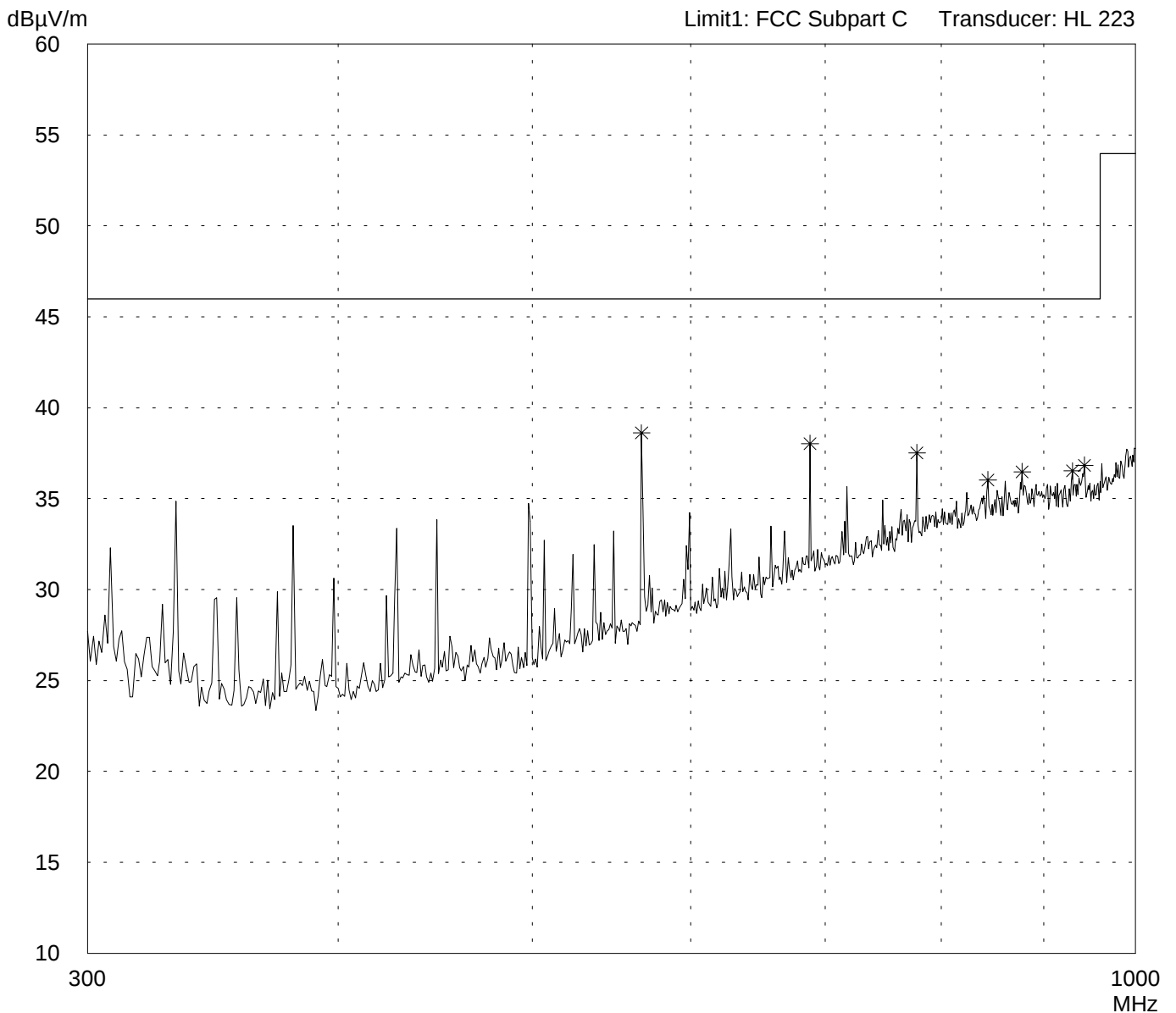
Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999
Operator: R. Heller

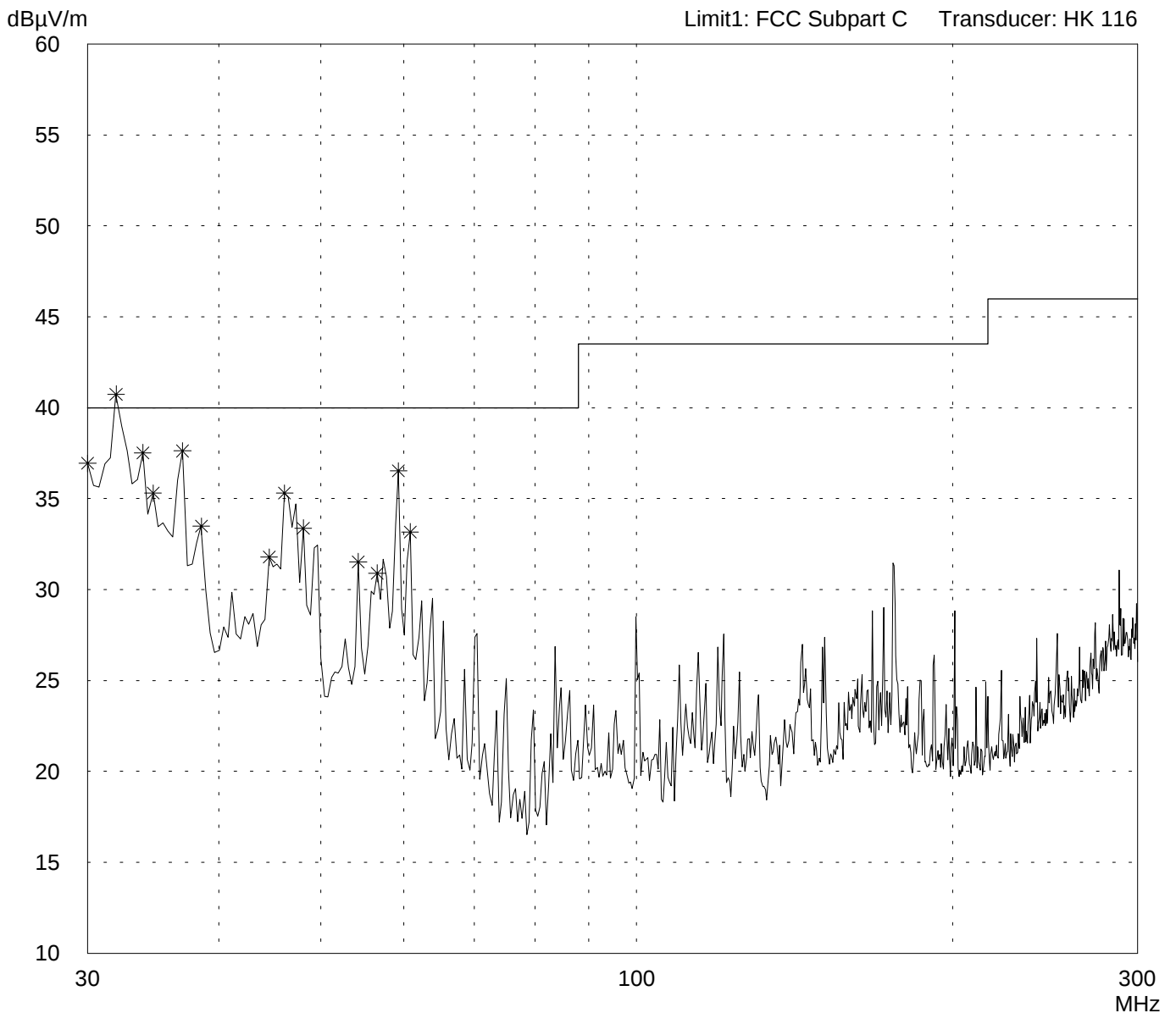
Test performed: automatically
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/06/1999 Operator: R. Heller

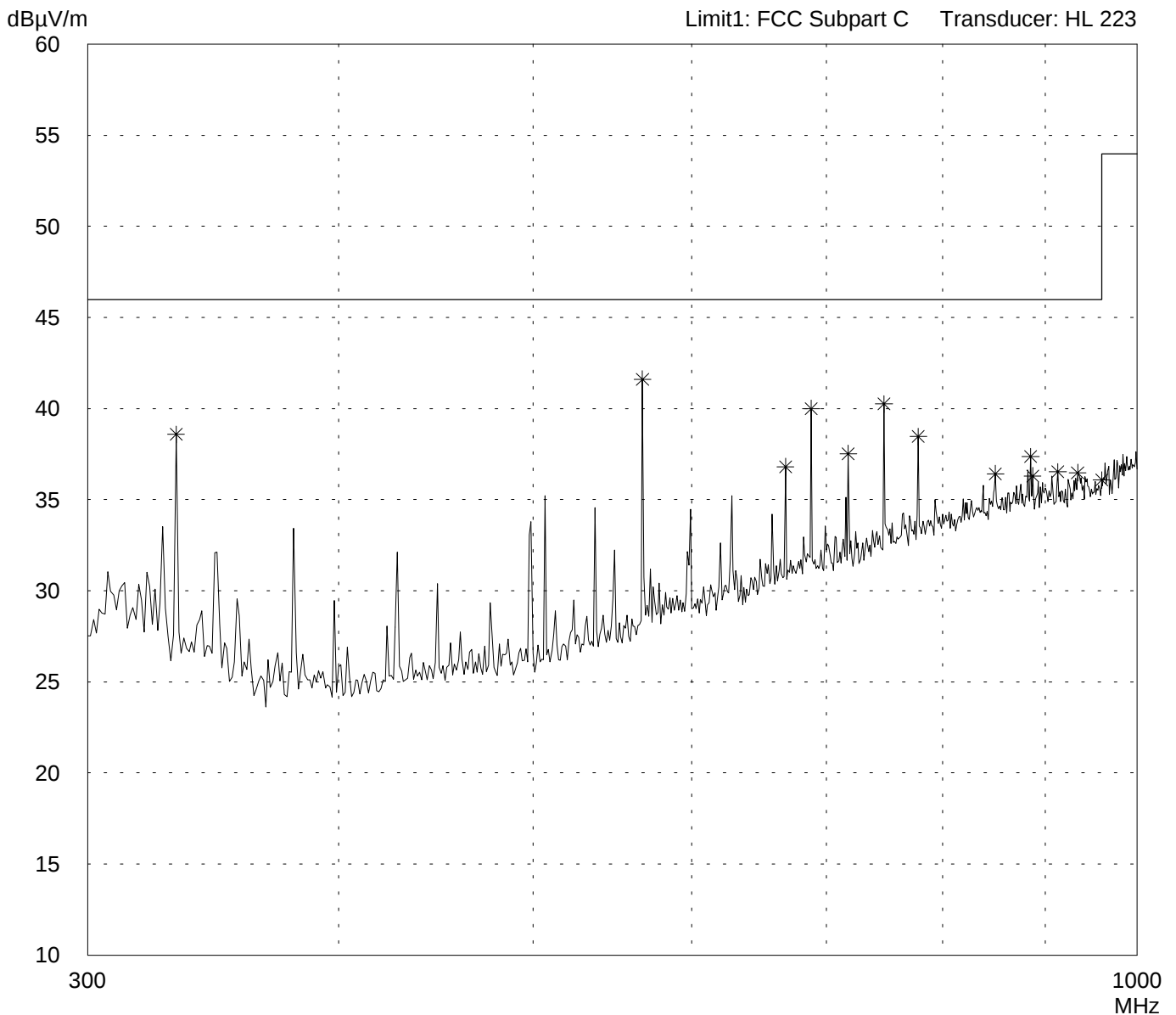
Test performed: automatically File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator: R. Heller

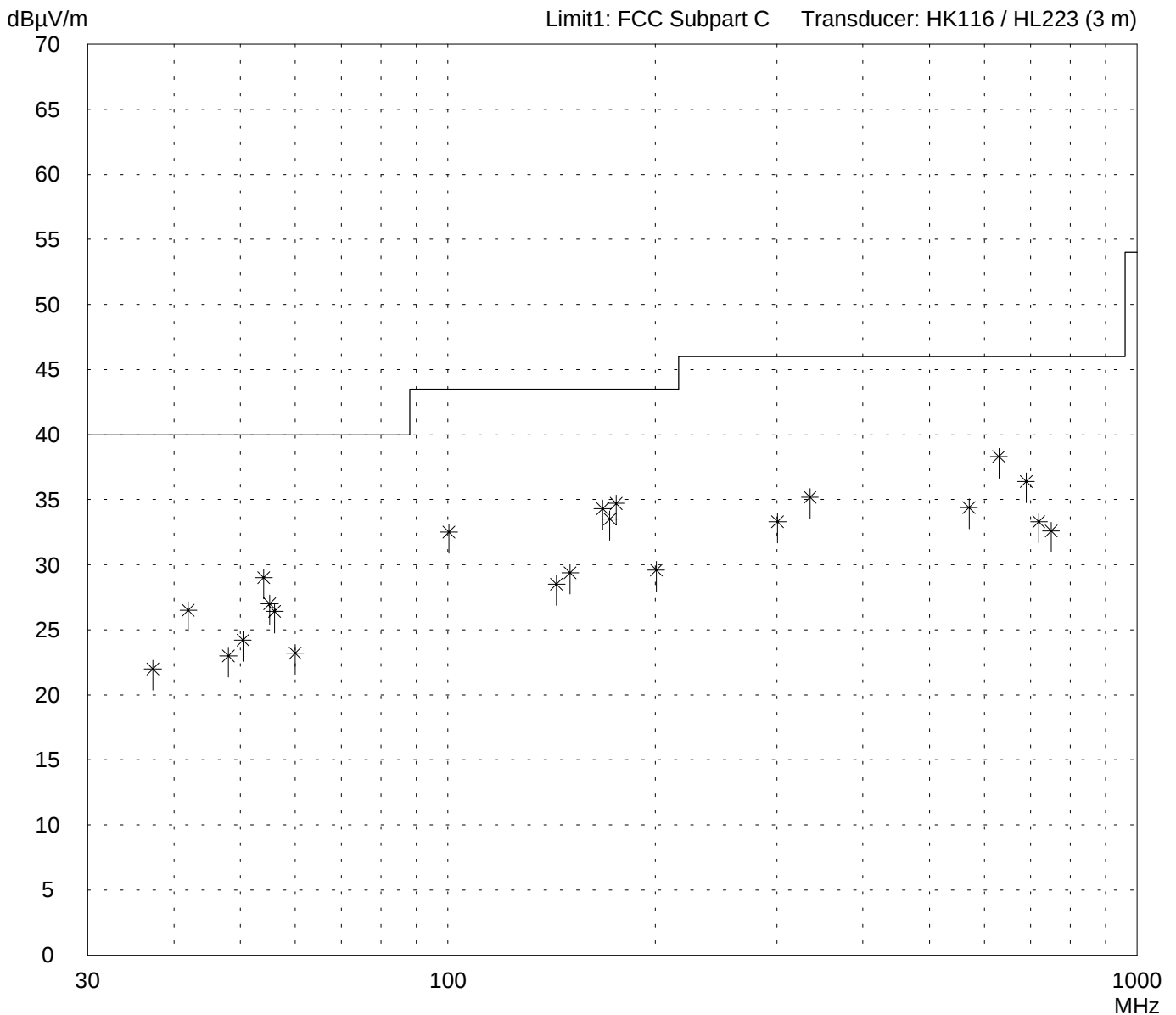
Test performed: by hand File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/20/1999 Operator:
R. Heller

Test performed: by hand File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
37.3	9.0	13.0	22.0	40.0	
42.0	14.5	12.0	26.5	40.0	
48.0	12.0	11.0	23.0	40.0	
50.4	13.5	10.7	24.2	40.0	
54.0	18.5	10.5	29.0	40.0	
55.1	16.5	10.5	27.0	40.0	
56.0	16.0	10.4	26.4	40.0	
60.0	13.0	10.2	23.2	40.0	
100.3	21.0	11.5	32.5	43.5	
143.7	14.0	14.5	28.5	43.5	
150.4	14.5	14.9	29.4	43.5	
167.6	18.5	15.8	34.3	43.5	
171.8	17.5	16.0	33.5	43.5	
175.4	18.5	16.2	34.7	43.5	
200.5	12.5	17.1	29.6	43.5	
300.7	16.5	16.8	33.3	46.0	
335.2	17.0	18.2	35.2	46.0	
570.1	10.0	24.4	34.4	46.0	
630.1	12.5	25.8	38.3	46.0	
690.1	9.0	27.4	36.4	46.0	
720.1	5.5	27.8	33.3	46.0	
750.1	4.5	28.1	32.6	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999 Operator:
R. Heller

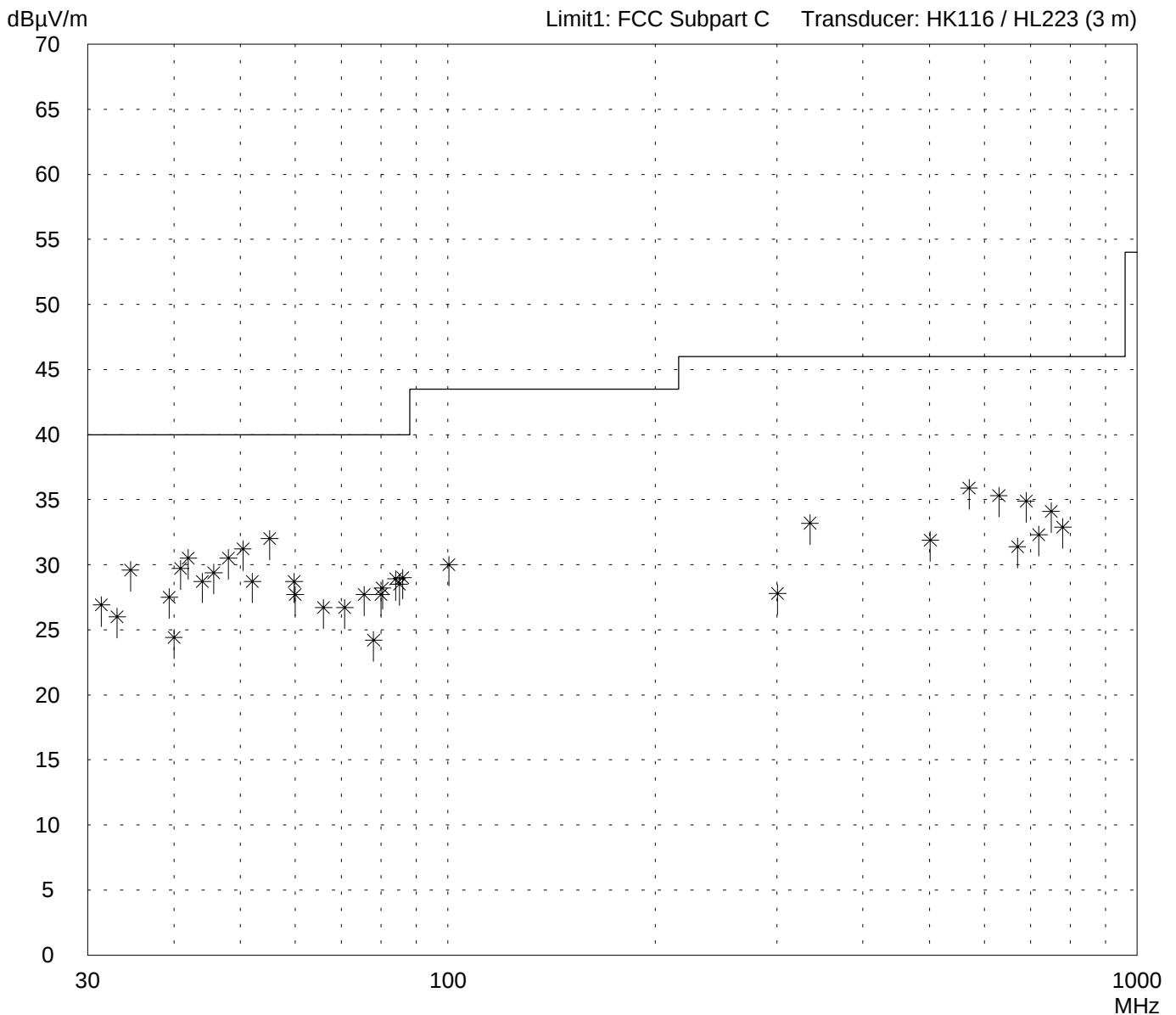
Test performed: by hand File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/20/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
- FCC test setup
- supply voltage 115 V AC
- using internal antenna

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
31.4	12.5	14.4	26.9	40.0	
33.1	12.0	14.0	26.0	40.0	
34.6	16.0	13.6	29.6	40.0	
39.4	15.0	12.5	27.5	40.0	
40.0	12.0	12.4	24.4	40.0	
40.9	17.5	12.2	29.7	40.0	
42.0	18.5	12.0	30.5	40.0	
44.0	17.0	11.7	28.7	40.0	
45.7	18.0	11.4	29.4	40.0	
48.0	19.5	11.0	30.5	40.0	
50.4	20.5	10.7	31.2	40.0	
52.0	18.0	10.7	28.7	40.0	
55.1	21.5	10.5	32.0	40.0	
59.8	18.5	10.2	28.7	40.0	
60.0	17.5	10.2	27.7	40.0	
66.0	16.5	10.2	26.7	40.0	
70.8	16.5	10.2	26.7	40.0	
75.6	17.5	10.2	27.7	40.0	
78.0	14.0	10.2	24.2	40.0	
80.0	17.5	10.2	27.7	40.0	
80.3	18.0	10.2	28.2	40.0	
84.0	18.5	10.4	28.9	40.0	
85.0	18.0	10.5	28.5	40.0	
86.0	18.5	10.5	29.0	40.0	
100.3	18.5	11.5	30.0	43.5	
300.7	11.0	16.8	27.8	46.0	
335.2	15.0	18.2	33.2	46.0	
501.2	9.0	22.9	31.9	46.0	
570.1	11.5	24.4	35.9	46.0	
630.1	9.5	25.8	35.3	46.0	
670.4	4.5	26.9	31.4	46.0	
690.1	7.5	27.4	34.9	46.0	
720.1	4.5	27.8	32.3	46.0	
750.1	6.0	28.1	34.1	46.0	
780.1	4.5	28.4	32.9	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC
 Type: RF-modem for wireless LAN
 Serial No.: 90990005
 Applicant: Lucent Technologies Nederland B.V.
 Test-site: Semi anechoic room
 Test distance: 3 meters
 Date of test: 04/07/1999
 Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
 - FCC test setup
 - supply voltage 115 V AC
 - using internal antenna

 - 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]
2.0951	vertical	41.5	-96.0		29.4	40.5	74

Result: The limits are kept

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

Model: LUC PC24E-H-FC
 Type: RF-modem for wireless LAN
 Serial No.: 90990005
 Applicant: Lucent Technologies Nederland B.V.
 Test-site: Semi anechoic room
 Test distance: 3 meters
 Date of test: 04/07/1999
 Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 200
 - FCC test setup
 - supply voltage 115 V AC
 - using internal antenna

 - 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]
2.0901	vertical	36.7	-100.5		29.4	35.9	54

Result: The limits are kept

11.2. Test Results for Setup No. 2

Test results for setup no. 2

Transmit (TX) mode

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 9.9 MHz

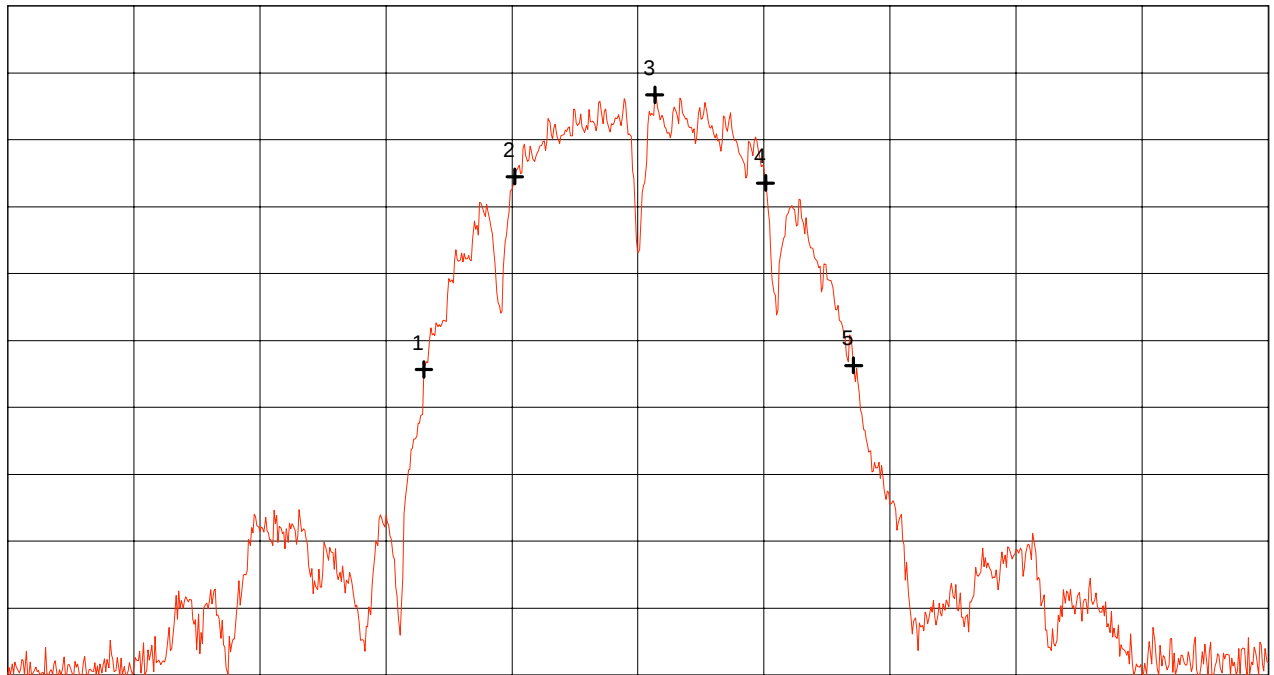
Result: Test passed

Note: -20 dB points for information only!

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	2.403500 GHz	-17.17 dBm
Nr.2	2.407111 GHz	-2.76 dBm
Nr.3	2.412667 GHz	3.36 dBm
Nr.4	2.417056 GHz	-3.23 dBm
Nr.5	2.420556 GHz	-16.86 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

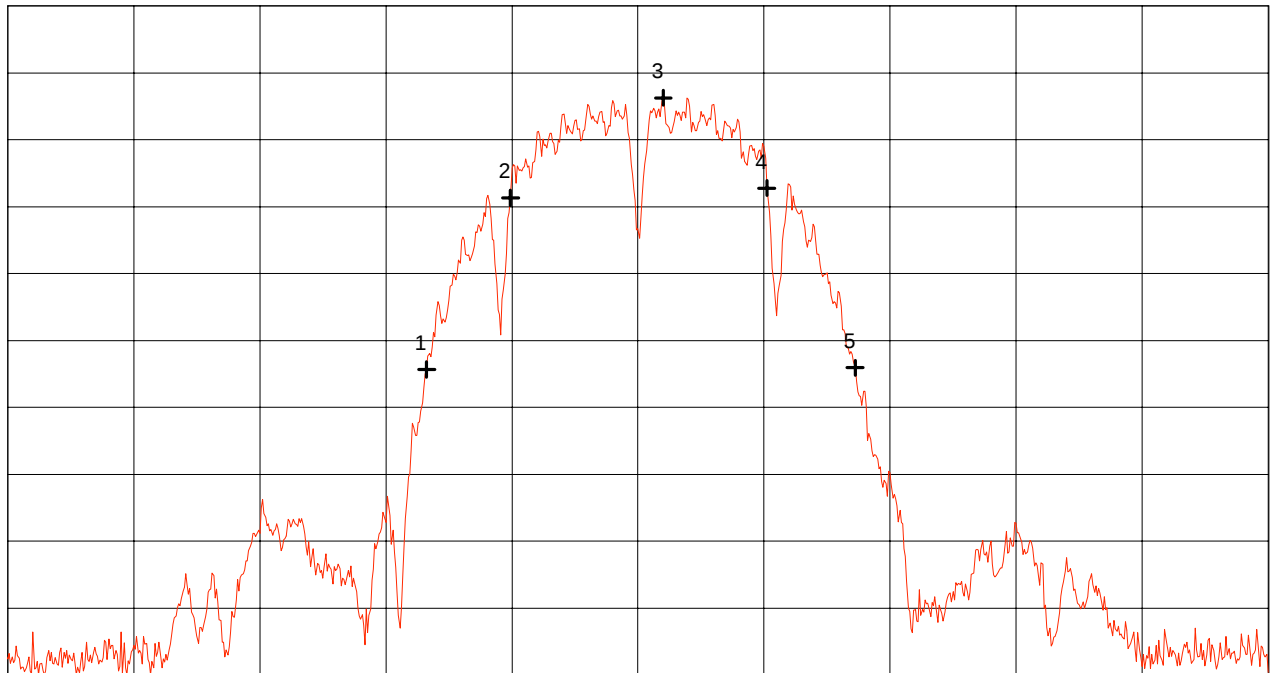
Result: Test passed

Note: -20 dB points for information only!

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	2.403611 GHz	-17.17 dBm
Nr.2	2.406944 GHz	-4.34 dBm
Nr.3	2.413000 GHz	3.14 dBm
Nr.4	2.417111 GHz	-3.62 dBm
Nr.5	2.420611 GHz	-17.04 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

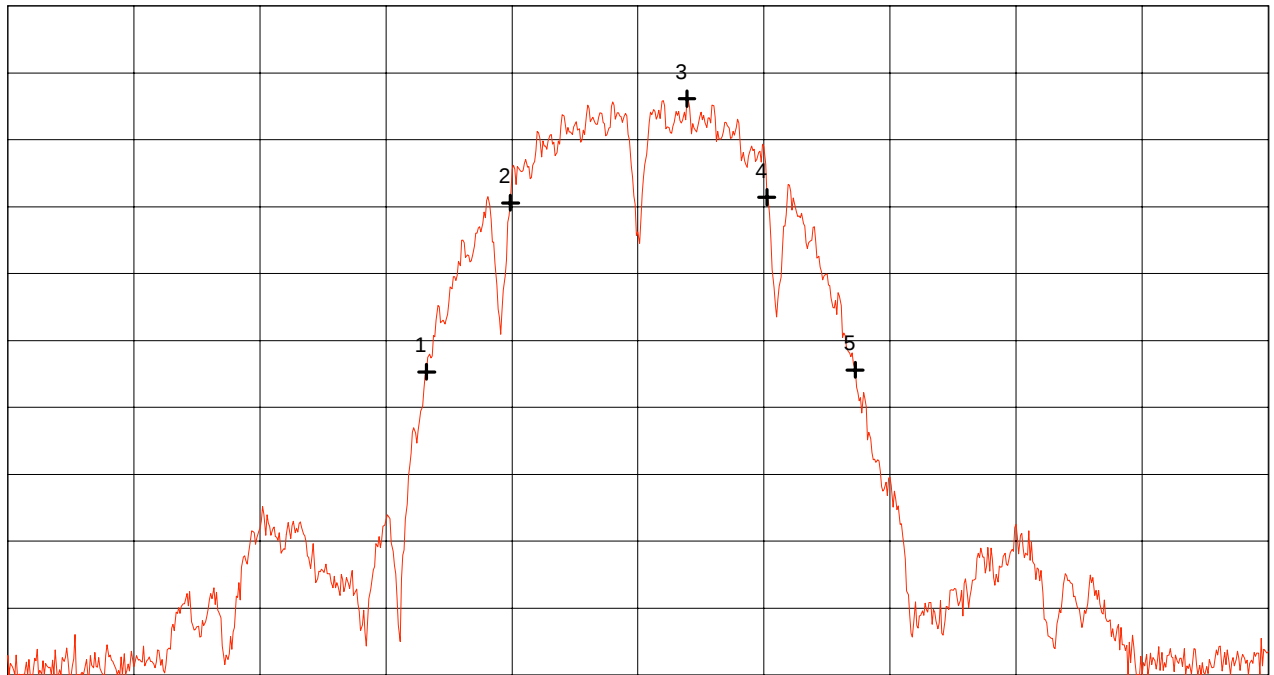
Result: Test passed

Note: -20 dB points for information only!

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	2.403611 GHz	-17.34 dBm
Nr.2	2.406944 GHz	-4.72 dBm
Nr.3	2.413944 GHz	3.07 dBm
Nr.4	2.417111 GHz	-4.30 dBm
Nr.5	2.420611 GHz	-17.20 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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

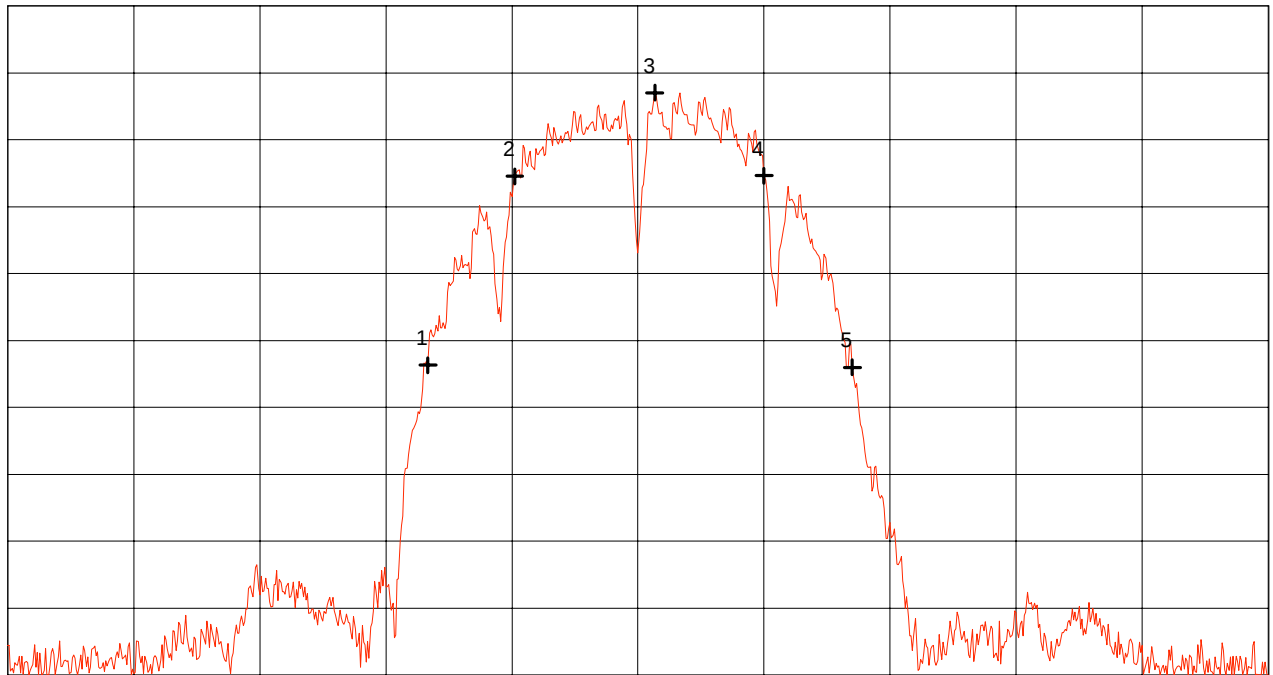
Result: Test passed

Note: -20 dB points for information only!

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	2.433667 GHz	-16.85 dBm
Nr.2	2.437111 GHz	-2.73 dBm
Nr.3	2.442667 GHz	3.52 dBm
Nr.4	2.447000 GHz	-2.69 dBm
Nr.5	2.450500 GHz	-17.01 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

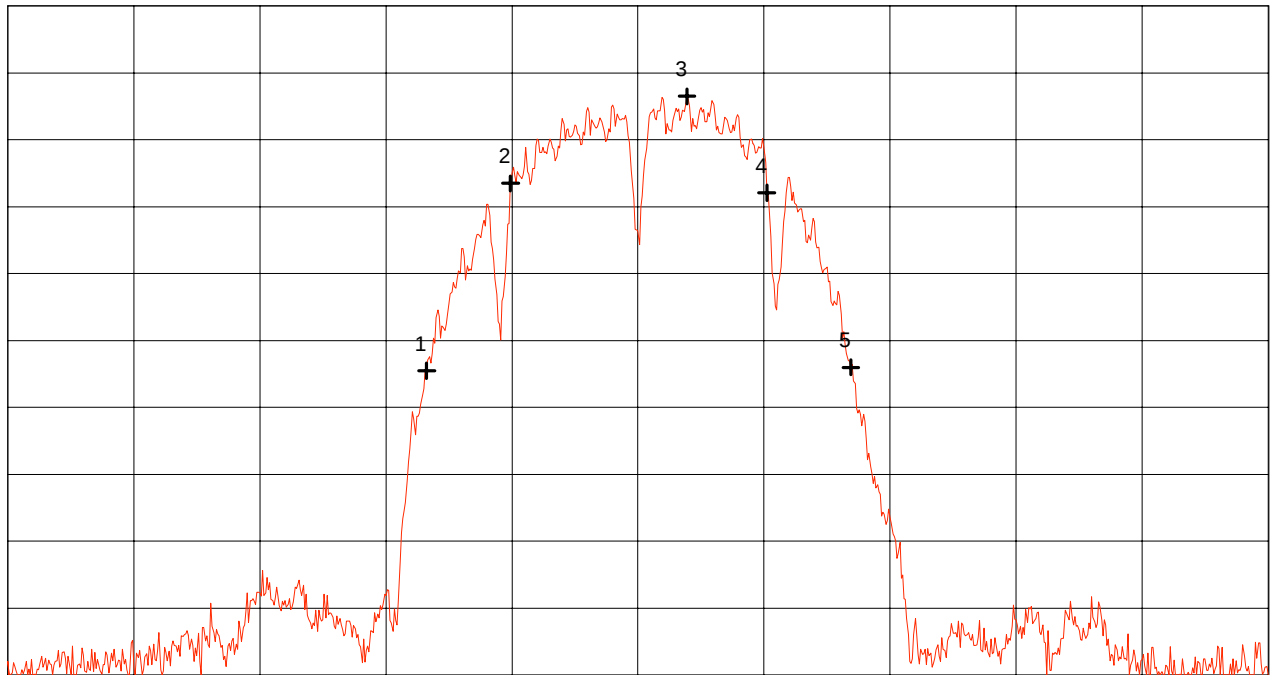
Result: Test passed

Note: -20 dB points for information only!

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	2.433611 GHz	-17.27 dBm
Nr.2	2.436944 GHz	-3.25 dBm
Nr.3	2.443944 GHz	3.25 dBm
Nr.4	2.447111 GHz	-3.96 dBm
Nr.5	2.450444 GHz	-17.01 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

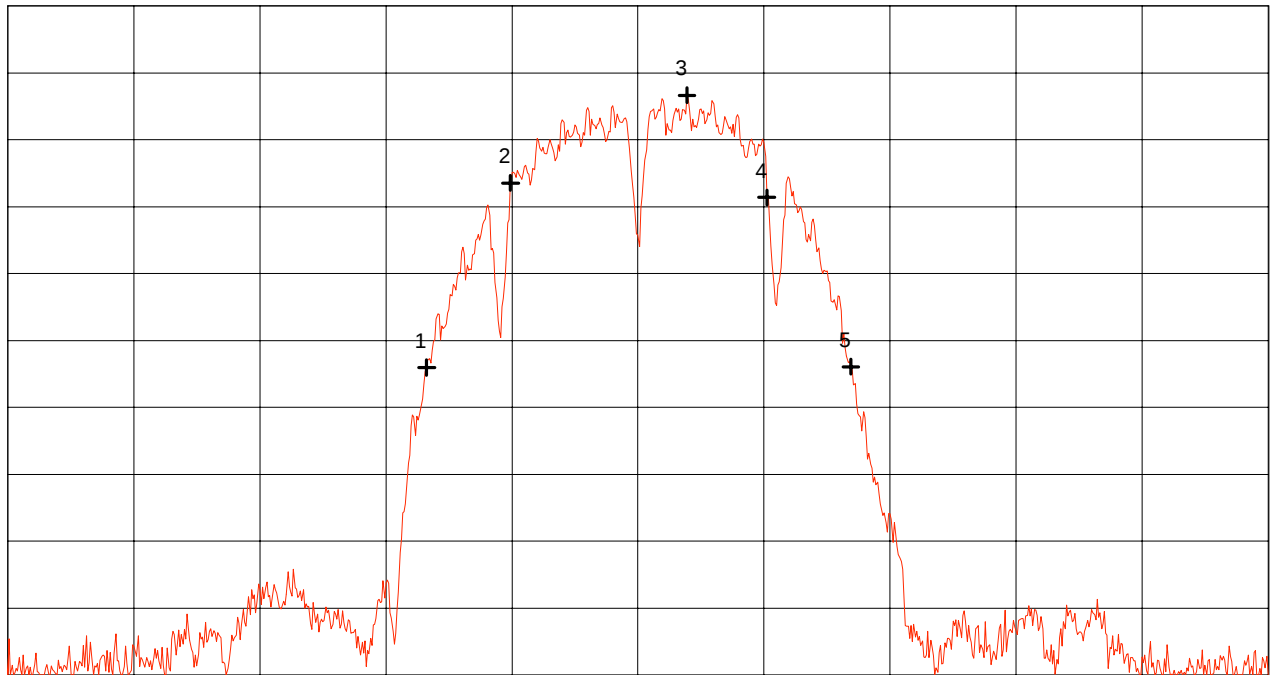
Result: Test passed

Note: -20 dB points for information only!

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	2.433611 GHz	-17.03 dBm
Nr.2	2.436944 GHz	-3.24 dBm
Nr.3	2.443944 GHz	3.33 dBm
Nr.4	2.447111 GHz	-4.32 dBm
Nr.5	2.450444 GHz	-16.96 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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

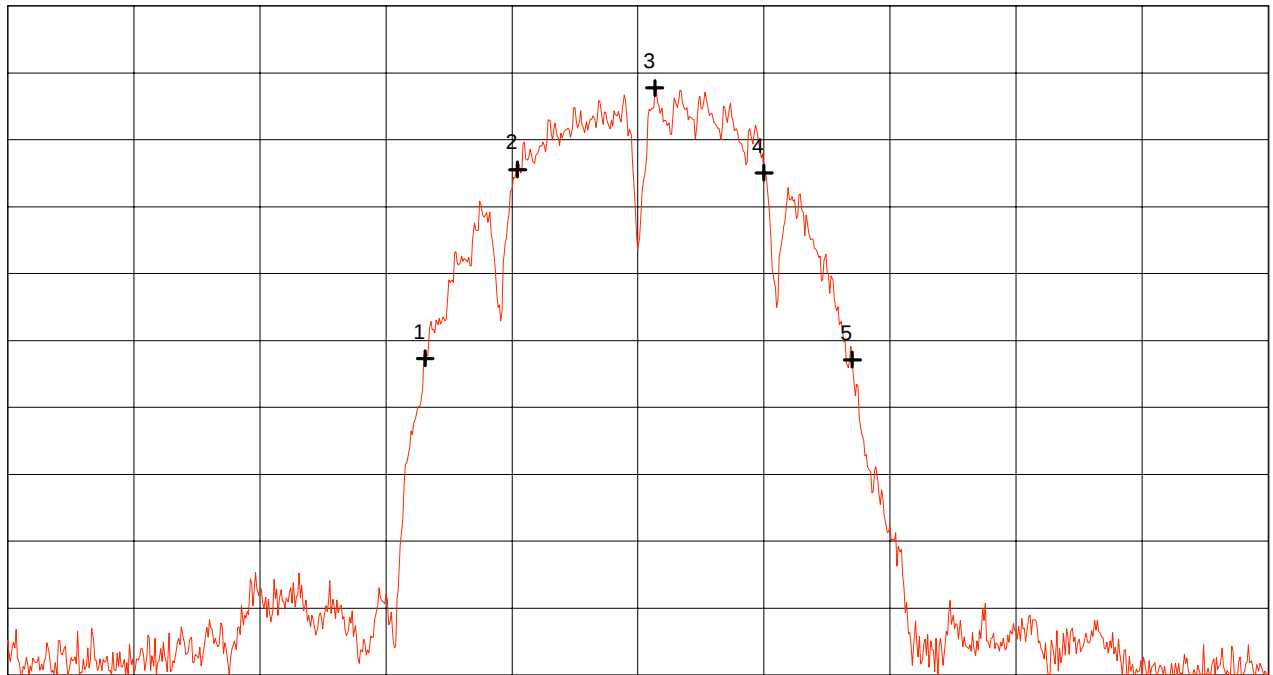
Result: Test passed

Note: -20 dB points for information only!

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.437 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.453556 GHz	-16.35 dBm
Nr.2	2.457222 GHz	-2.22 dBm
Nr.3	2.462667 GHz	3.86 dBm
Nr.4	2.467000 GHz	-2.46 dBm
Nr.5	2.470500 GHz	-16.44 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

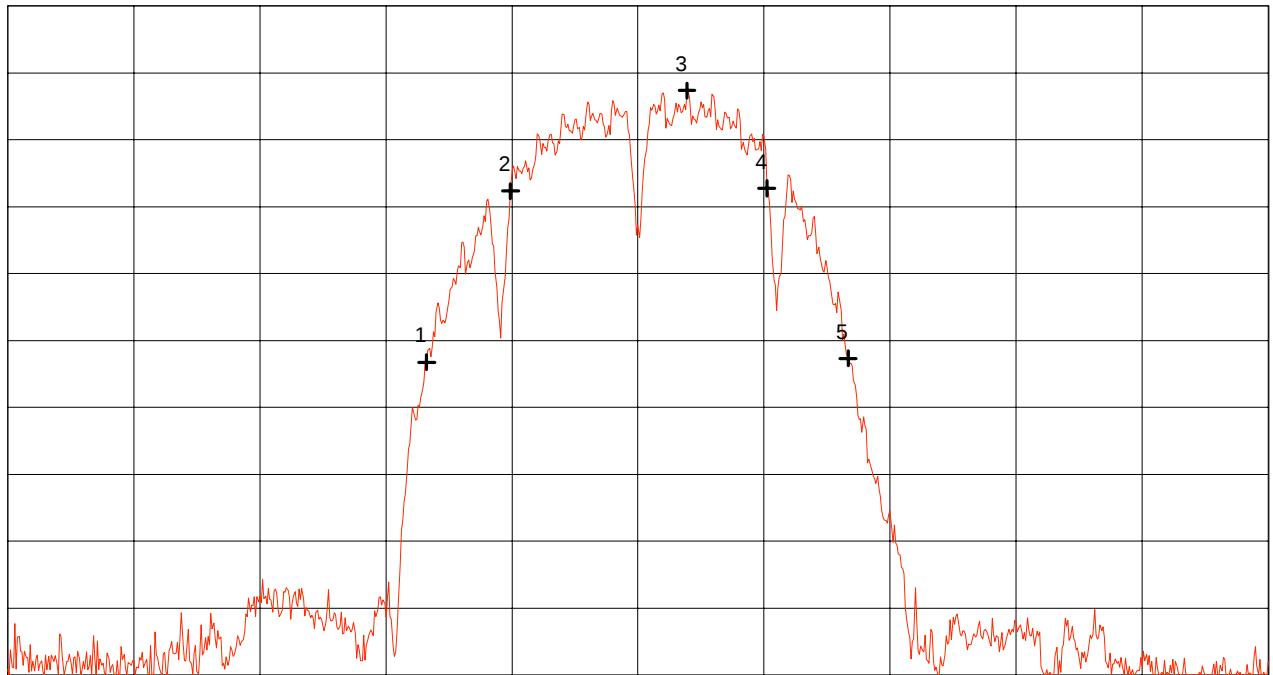
Result: Test passed

Note: -20 dB points for information only!

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.437 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.453611 GHz	-16.62 dBm
Nr.2	2.456944 GHz	-3.83 dBm
Nr.3	2.463944 GHz	3.69 dBm
Nr.4	2.467111 GHz	-3.63 dBm
Nr.5	2.470333 GHz	-16.35 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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) = 10.2 MHz

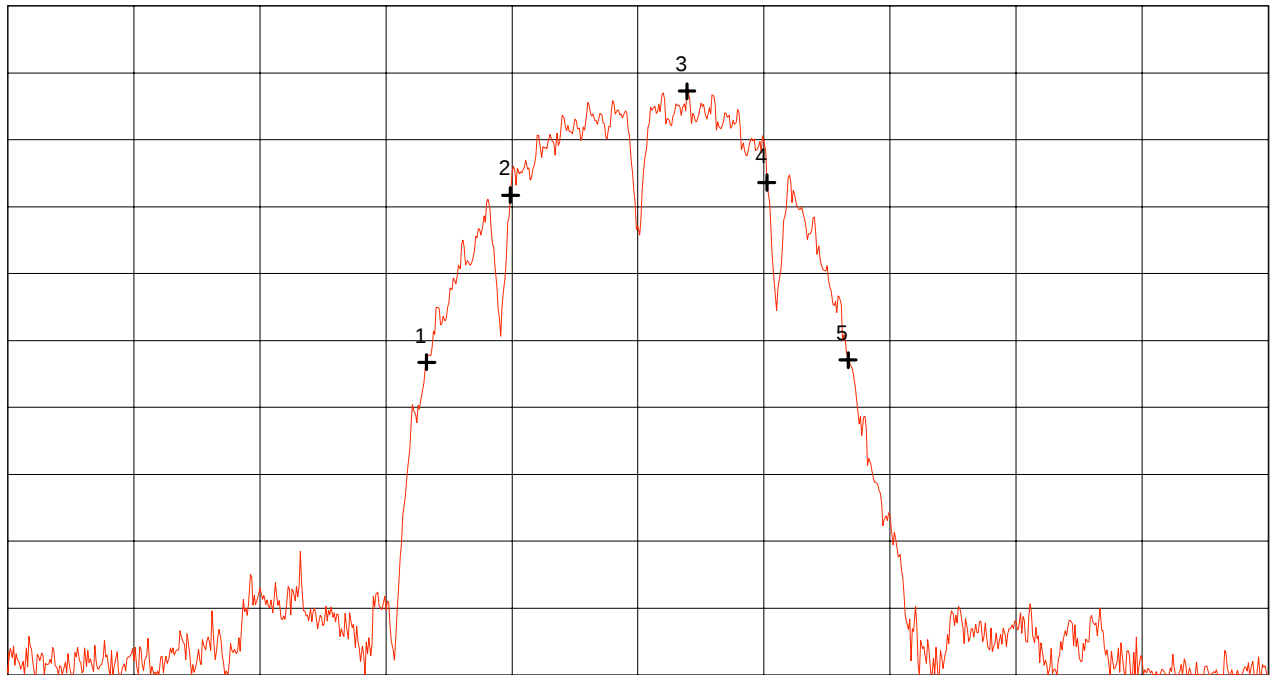
Result: Test passed

Note: -20 dB points for information only!

Ref.Level 10 dBm
5 dB dB/Div.

ATT 35 dB

Ref. Offset 21.1 dB



Start 2.437 GHz
RBW 100 kHz

VBW 100 kHz

Stop 2.487 GHz
SWP 20 ms

**** Multi Marker ****

Nr.1	2.453611 GHz	-16.63 dBm
Nr.2	2.456944 GHz	-4.13 dBm
Nr.3	2.463944 GHz	3.64 dBm
Nr.4	2.467111 GHz	-3.20 dBm
Nr.5	2.470333 GHz	-16.46 dBm
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC with AOU24-OD-77 (Maxrad)
Type: RF-modem with external antenna for wireless LAN
Serial No.: 90890026 (RF-modem), sample no. 1 (antenna)
Applicant: Lucent Technologies Nederland B.V.
Date of test: 04/22/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- 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 MBit	2.412	14.3	0.5	14.8	30
	2.442	14.6	0.5	15.1	30
	2.462	14.4	0.5	14.9	30
5.5 MBit	2.412	11.0	0.5	11.5	30
	2.442	11.3	0.5	11.8	30
	2.462	11.1	0.5	11.6	30
11 MBit	2.412	11.1	0.5	11.6	30
	2.442	11.4	0.5	11.9	30
	2.462	11.2	0.5	11.7	30

Note:

Typical gain of external omni-directional antenna AOU24-OD-77 is 7 dBi. Depending on antenna cable the effective antenna gain is calculated by subtracting the appropriate total insertion loss including attenuation caused by RF-IEEE cable and lightning arrestor. Limit of 30 dBm is reduced by the amount of the effective antenna gain exceeding 6 dBi.

Antenna cable	Antenna gain AOU24-OD-77 [dBi]	Total insertion loss [dB]	Effective antenna gain		Limit [dBm]
			total value [dBi]	exceeding 6 dBi [dB]	
20 ft	7.0	4.5	2.5	0.0	30.0
50 ft	7.0	4.5	2.5	0.0	30.0
75 ft	7.0	5.3	1.7	0.0	30.0

Result: The limit is kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

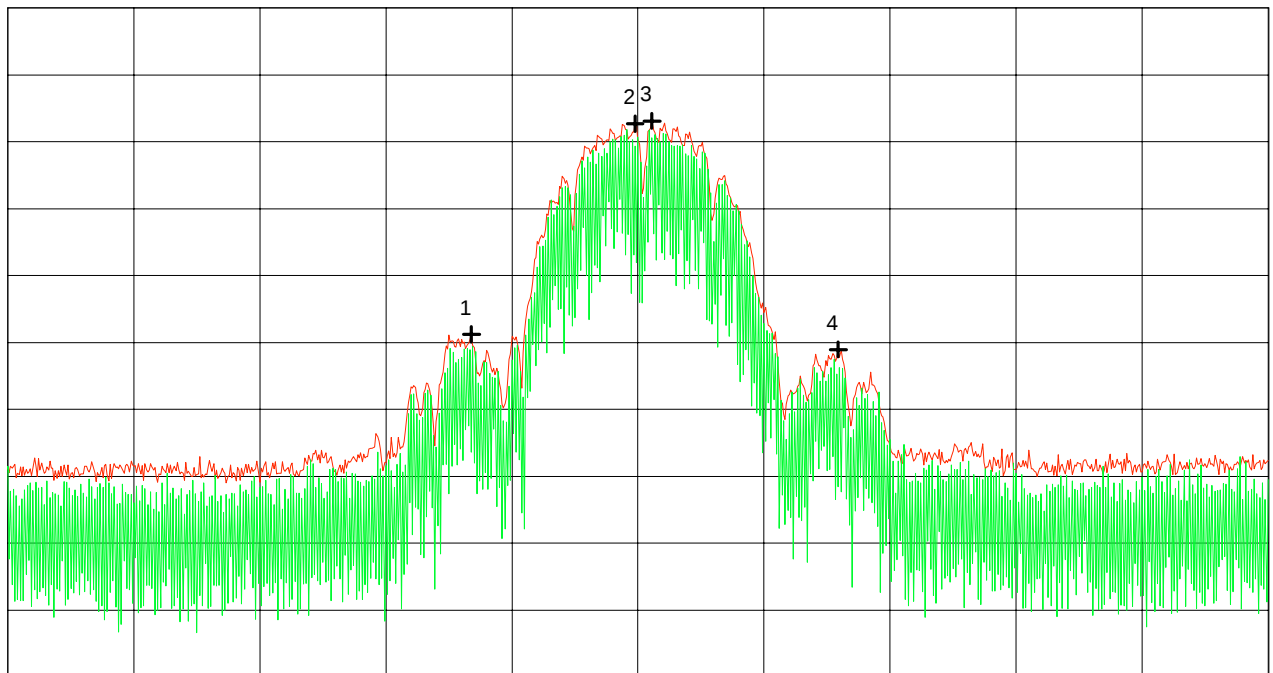
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.412$ GHz

Tested on: antenna connector

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	2.398778 GHz	-28.78 dBm
Nr.2	2.411778 GHz	2.69 dBm
Nr.3	2.413111 GHz	3.12 dBm
Nr.4	2.427889 GHz	-31.06 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

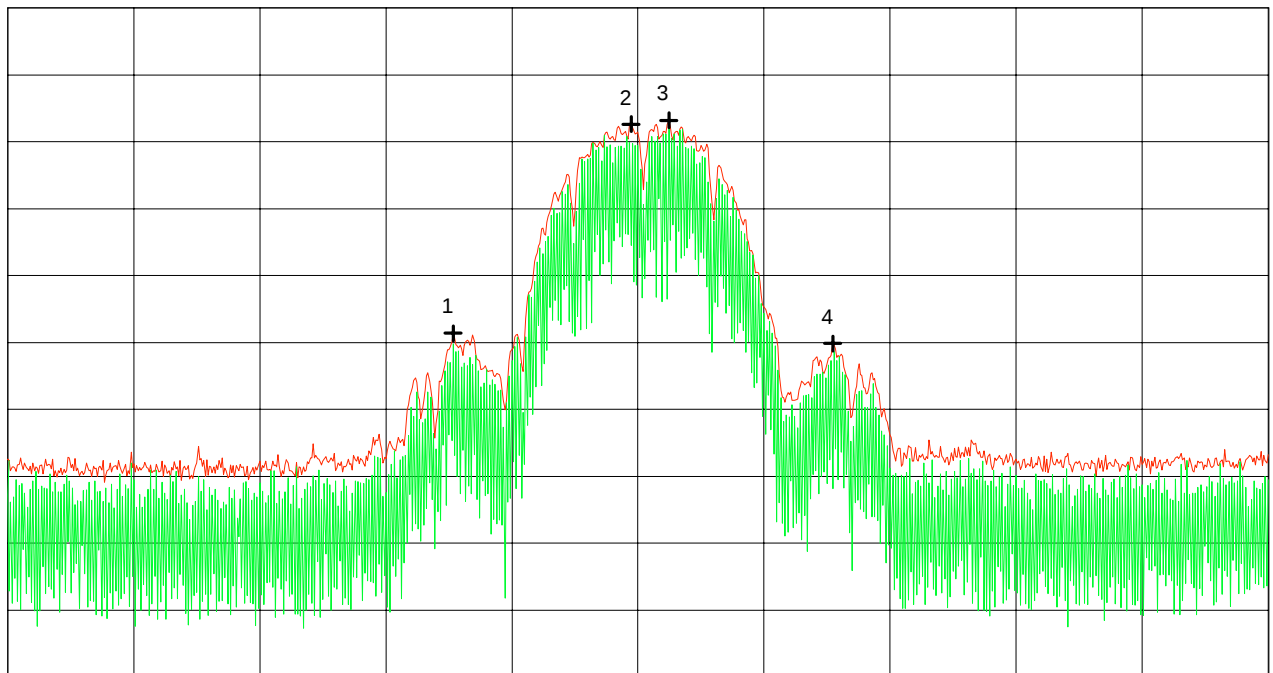
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.412$ GHz

Tested on: antenna connector

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	-28.62 dBm
Nr.2	2.411444 GHz	2.61 dBm
Nr.3	2.414444 GHz	3.22 dBm
Nr.4	2.427444 GHz	-30.15 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

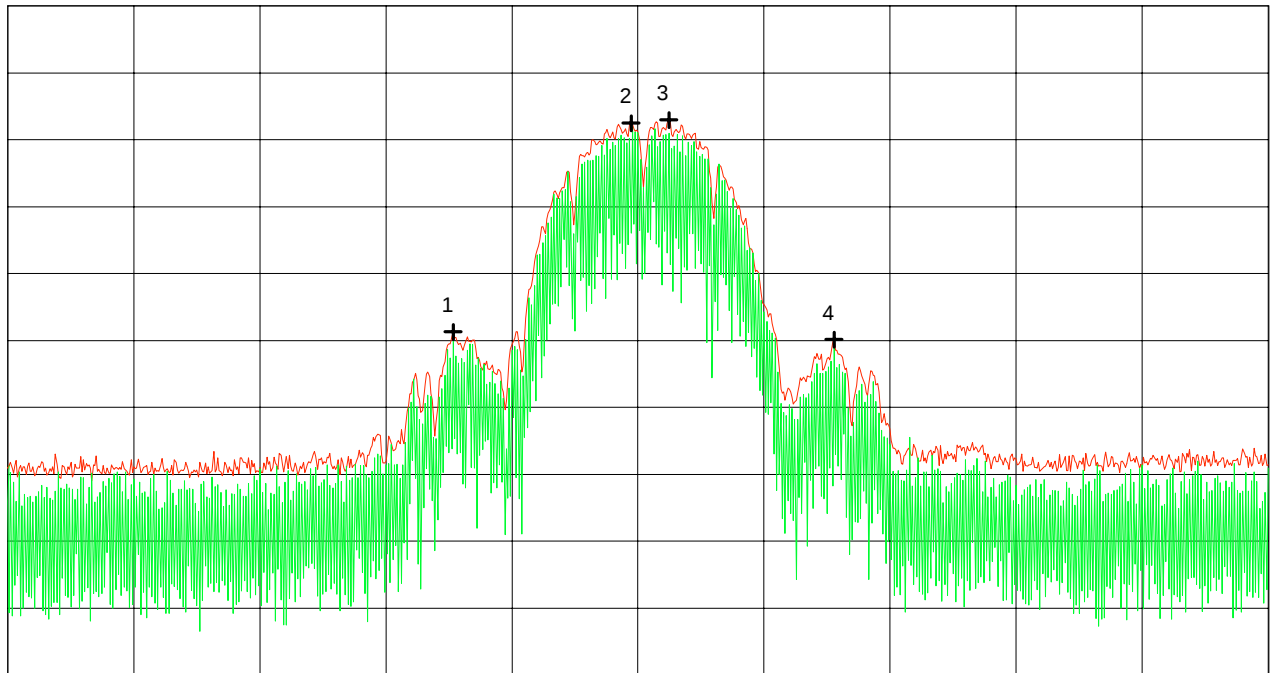
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

Tested on: antenna connector

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	-28.73 dBm
Nr.2	2.411444 GHz	2.48 dBm
Nr.3	2.414444 GHz	2.97 dBm
Nr.4	2.427556 GHz	-29.87 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

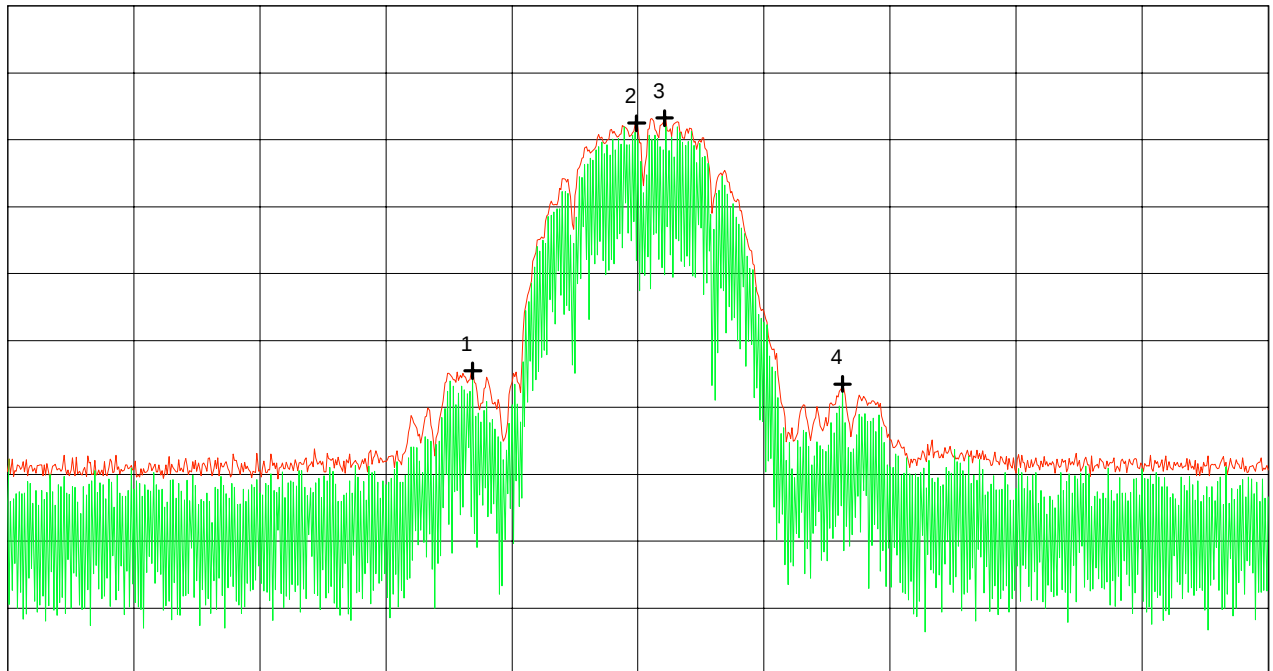
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.442$ GHz

Tested on: antenna connector

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	2.428889 GHz	-34.54 dBm
Nr.2	2.441889 GHz	2.48 dBm
Nr.3	2.444111 GHz	3.25 dBm
Nr.4	2.458222 GHz	-36.50 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

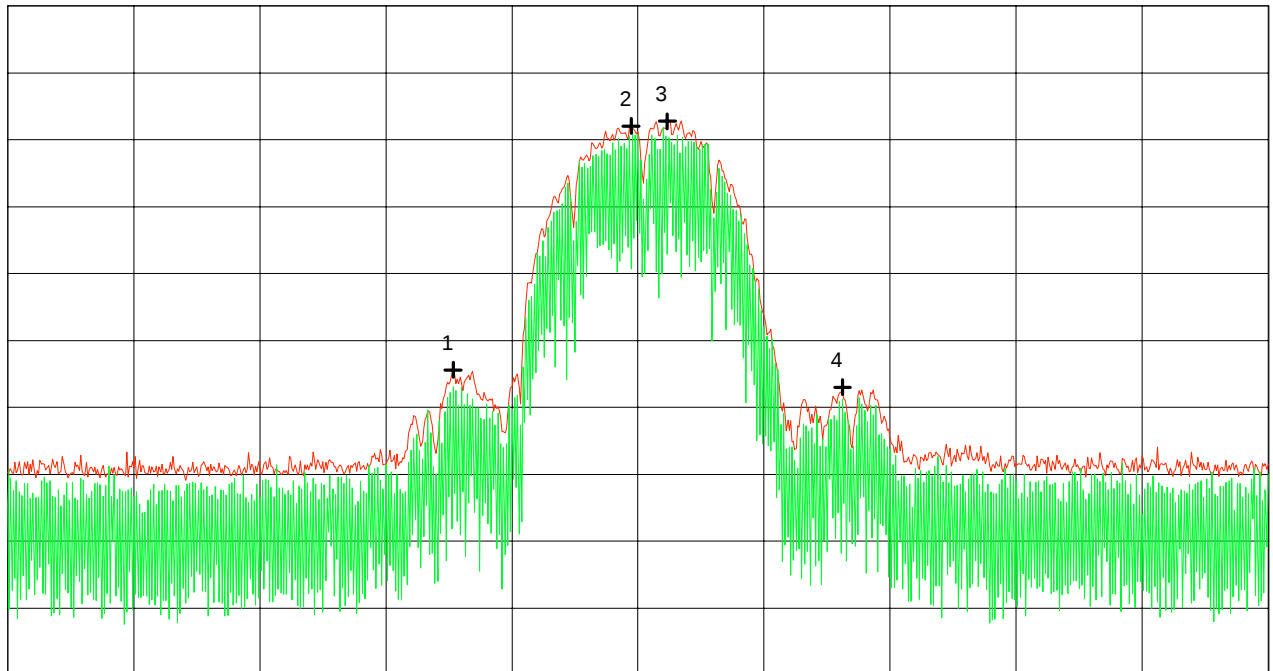
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.442$ GHz

Tested on: antenna connector

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	-34.41 dBm
Nr.2	2.441444 GHz	2.05 dBm
Nr.3	2.444333 GHz	2.76 dBm
Nr.4	2.458222 GHz	-36.98 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

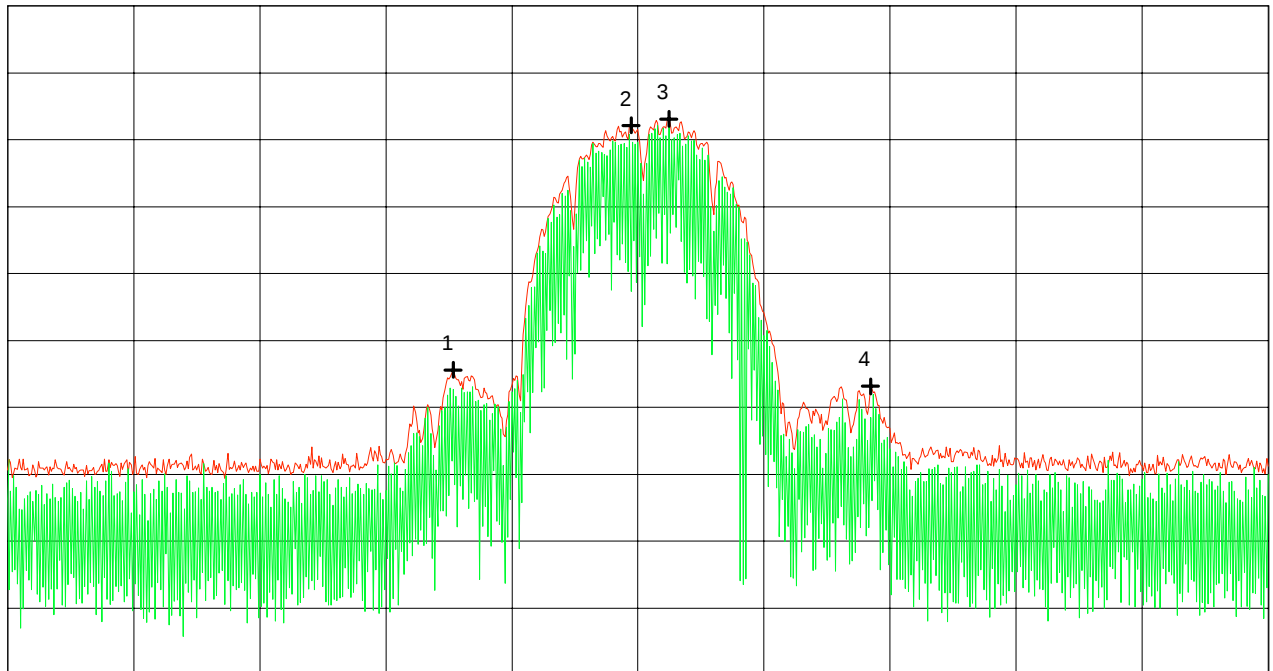
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442$ GHz

Tested on: antenna connector

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	-34.39 dBm
Nr.2	2.441444 GHz	2.13 dBm
Nr.3	2.444444 GHz	3.09 dBm
Nr.4	2.460444 GHz	-36.88 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

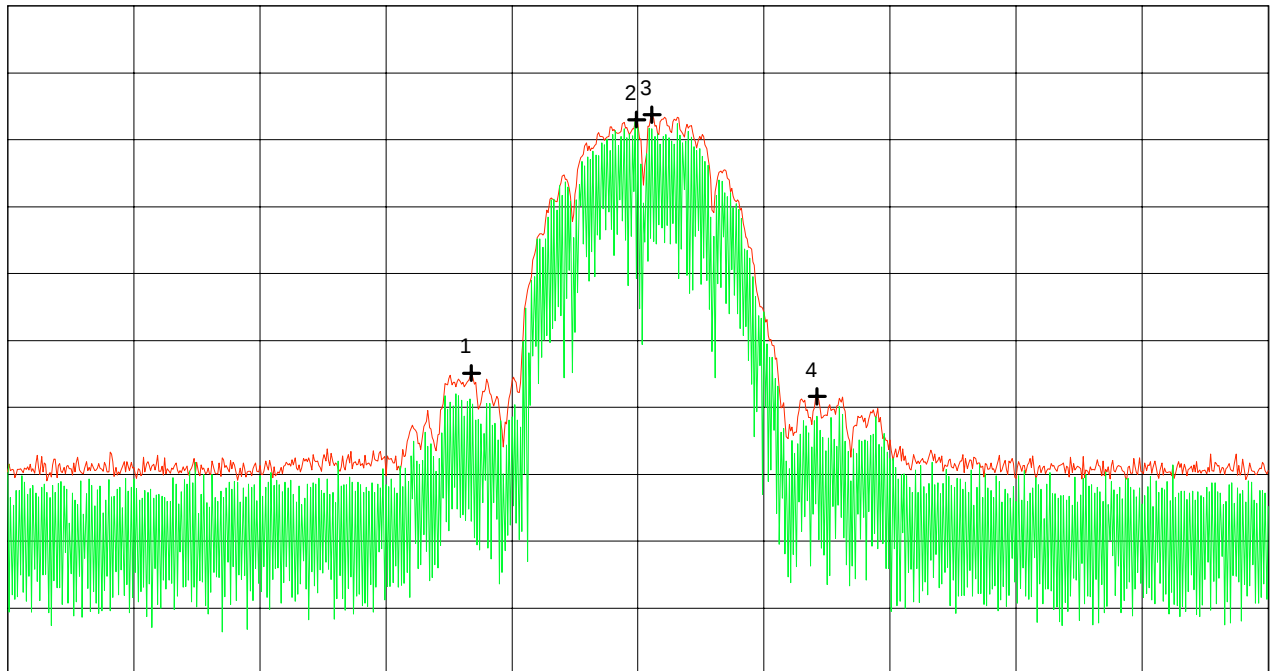
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.462$ GHz

Tested on: antenna connector

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	2.448778 GHz	-34.87 dBm
Nr.2	2.461889 GHz	2.99 dBm
Nr.3	2.463111 GHz	3.75 dBm
Nr.4	2.476222 GHz	-38.35 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

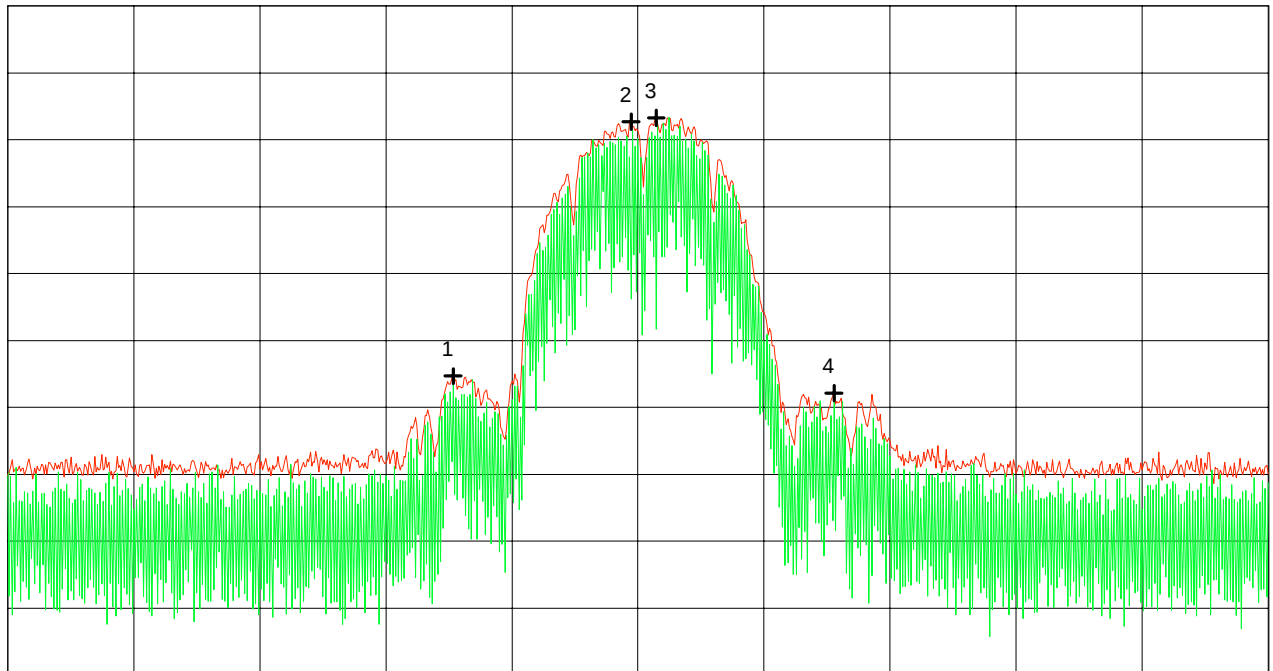
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.462$ GHz

Tested on: antenna connector

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	2.447333 GHz	-35.33 dBm
Nr.2	2.461444 GHz	2.69 dBm
Nr.3	2.463444 GHz	3.27 dBm
Nr.4	2.477556 GHz	-37.87 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

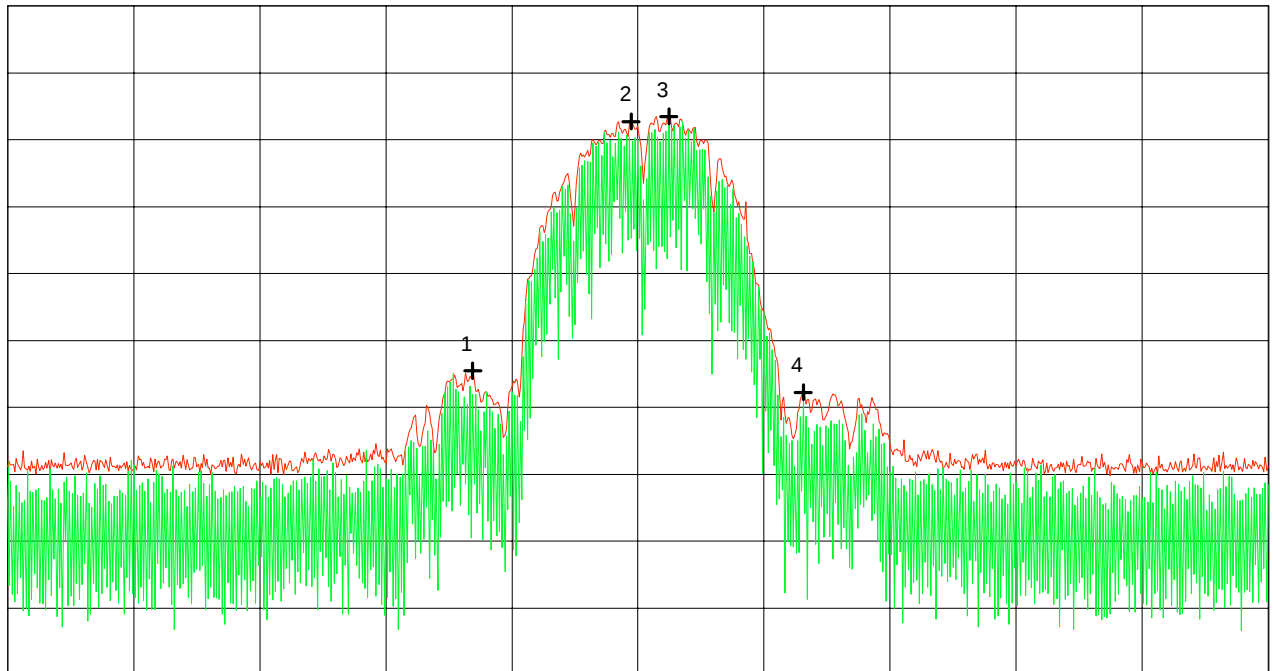
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

Tested on: antenna connector

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	2.448889 GHz	-34.54 dBm
Nr.2	2.461444 GHz	2.74 dBm
Nr.3	2.464444 GHz	3.47 dBm
Nr.4	2.475111 GHz	-37.74 dBm
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.412 \text{ GHz}$

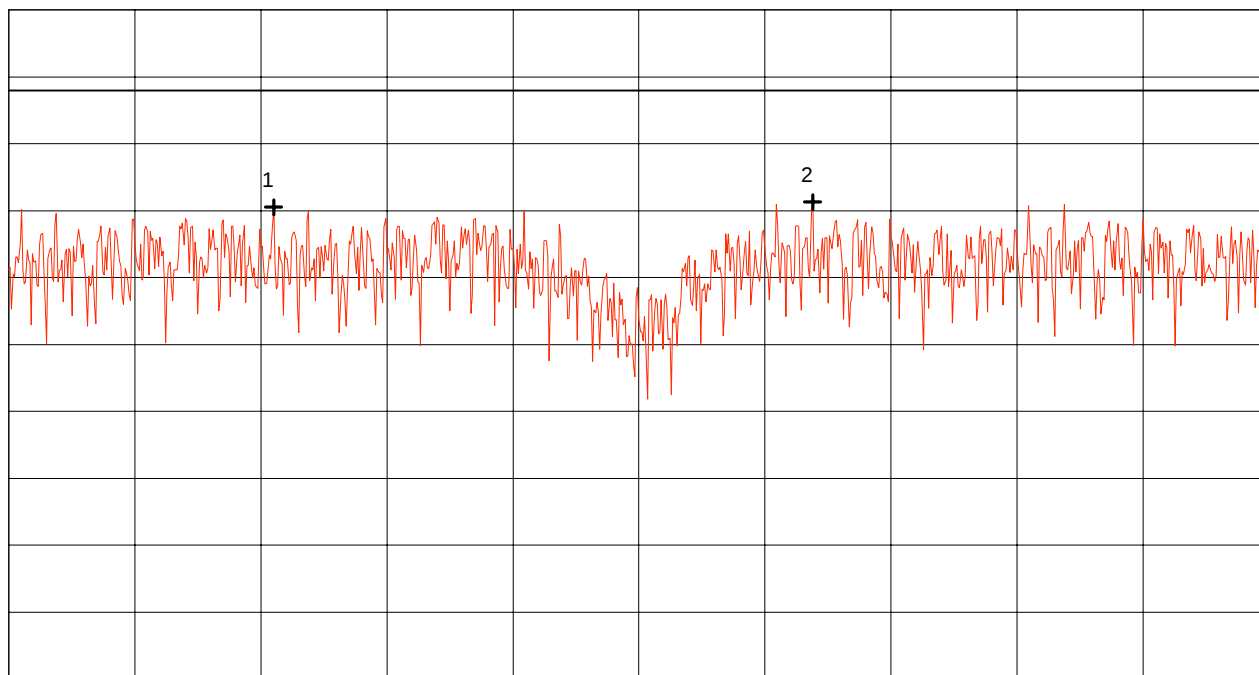
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4095 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4145 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.410550 GHz	-9.47 dBm
Nr.2	2.412689 GHz	-8.71 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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

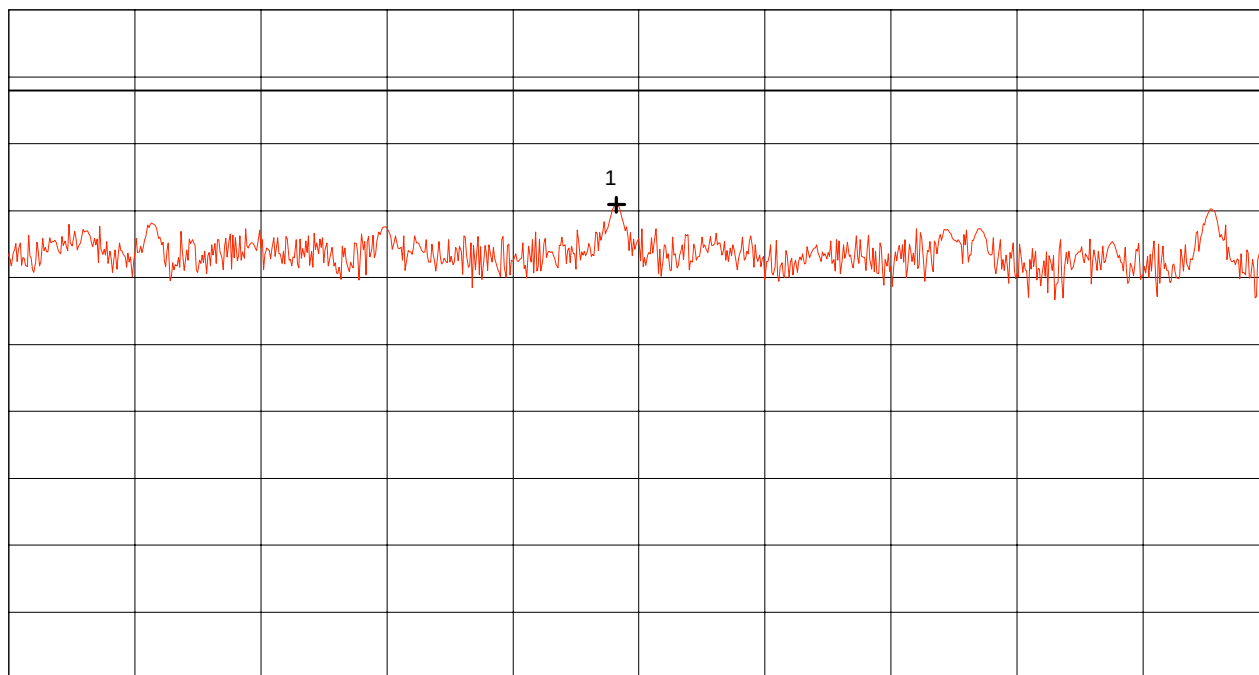
Result: Test passed

Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4104 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4107 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.410545 GHz	-9.09 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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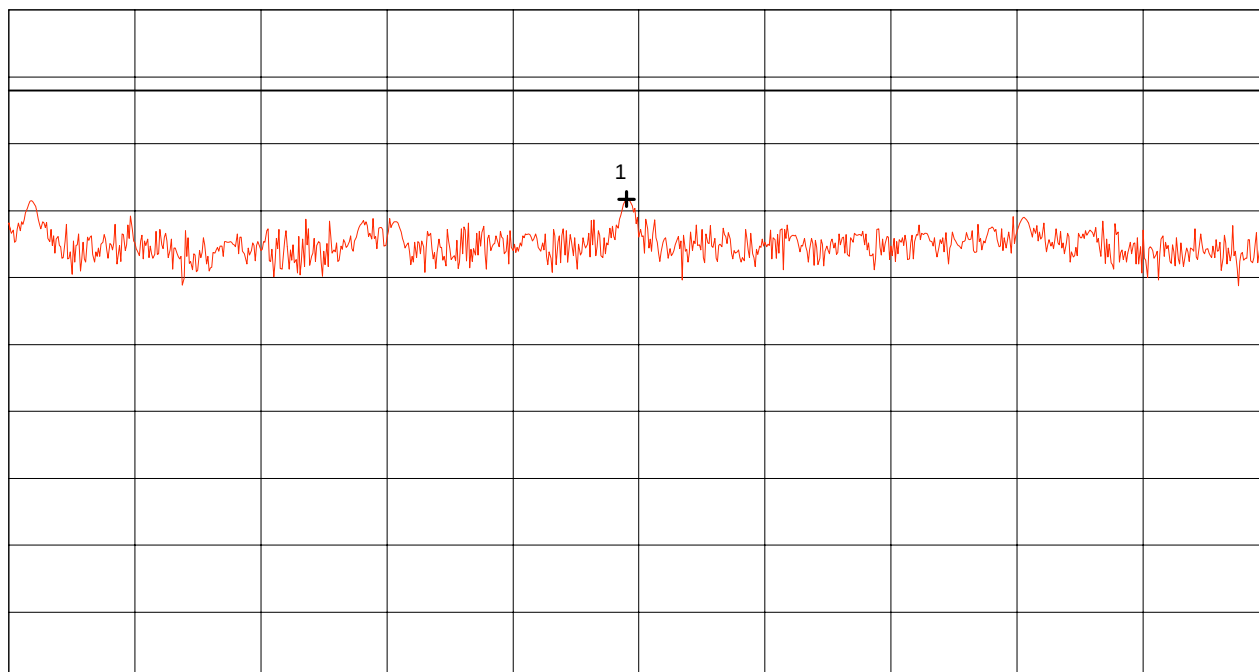
Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24E-H-FC	Mode:
Serial No.: 90990005	- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
Applicant: Lucent Technologies Nederland B.V.	- 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!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.412539 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.412839 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.412686 GHz	-8.26 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.412$ GHz

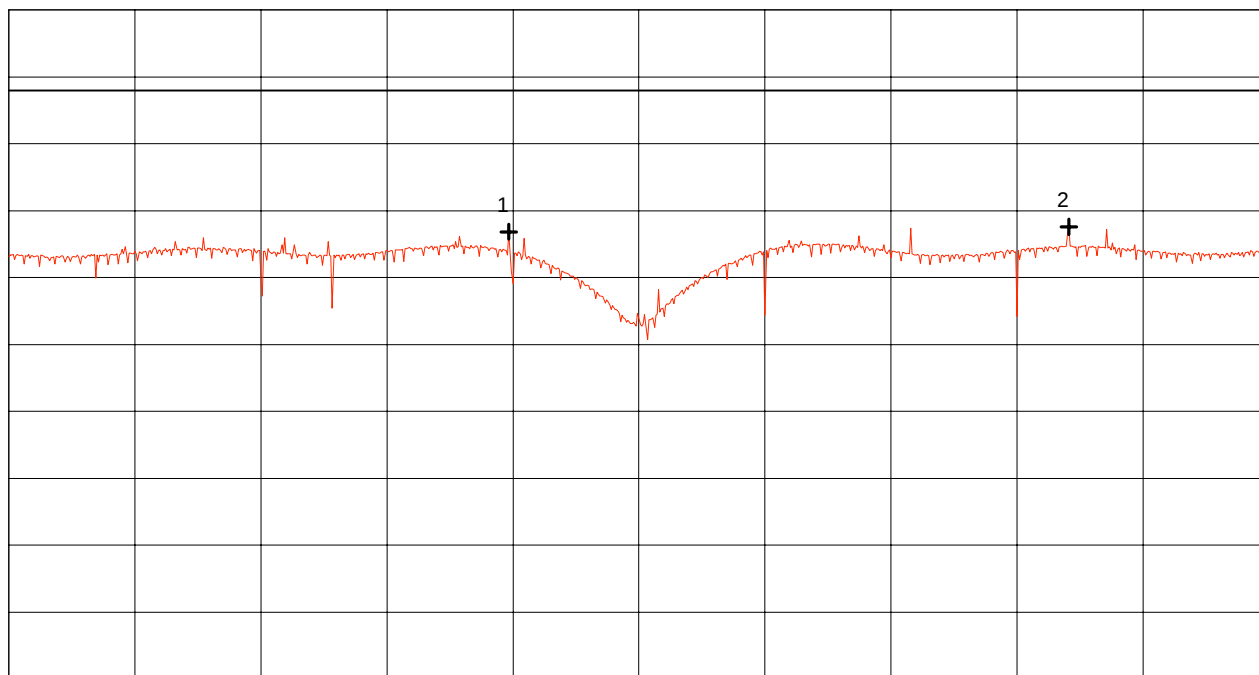
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4095 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4145 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.411483 GHz	-13.16 dBm
Nr.2	2.413706 GHz	-12.42 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.412$ GHz

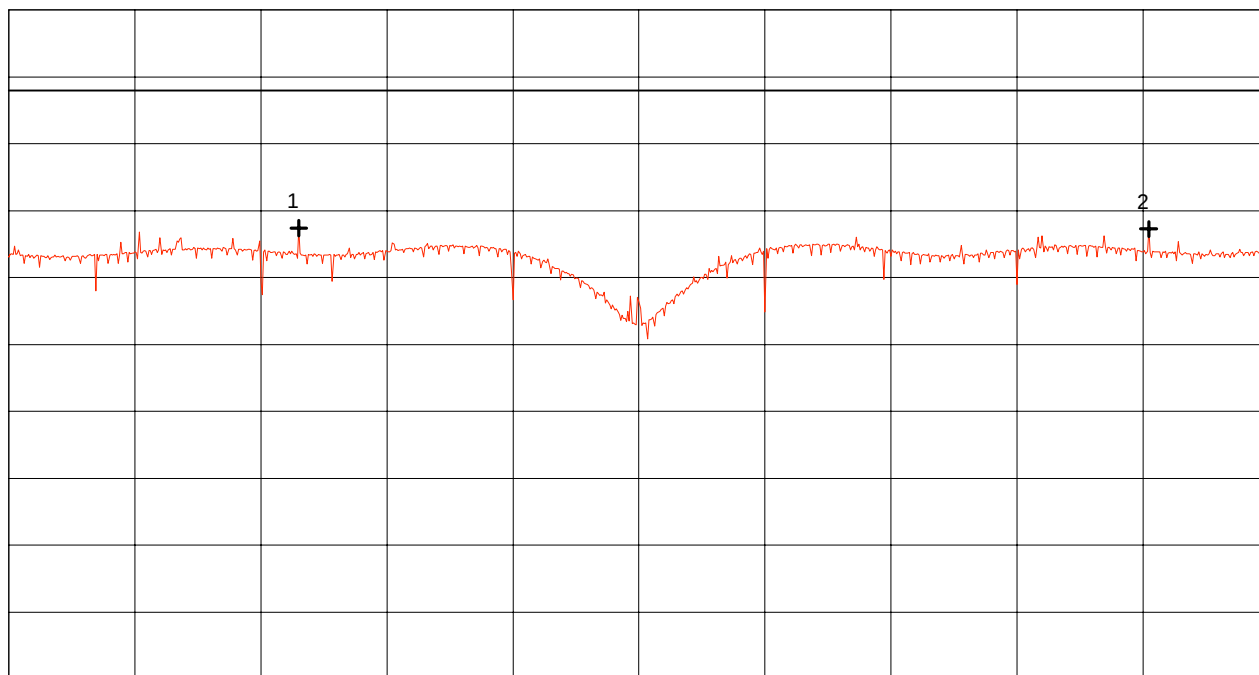
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4095 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4145 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.410650 GHz	-12.62 dBm
Nr.2	2.414022 GHz	-12.72 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.442 \text{ GHz}$

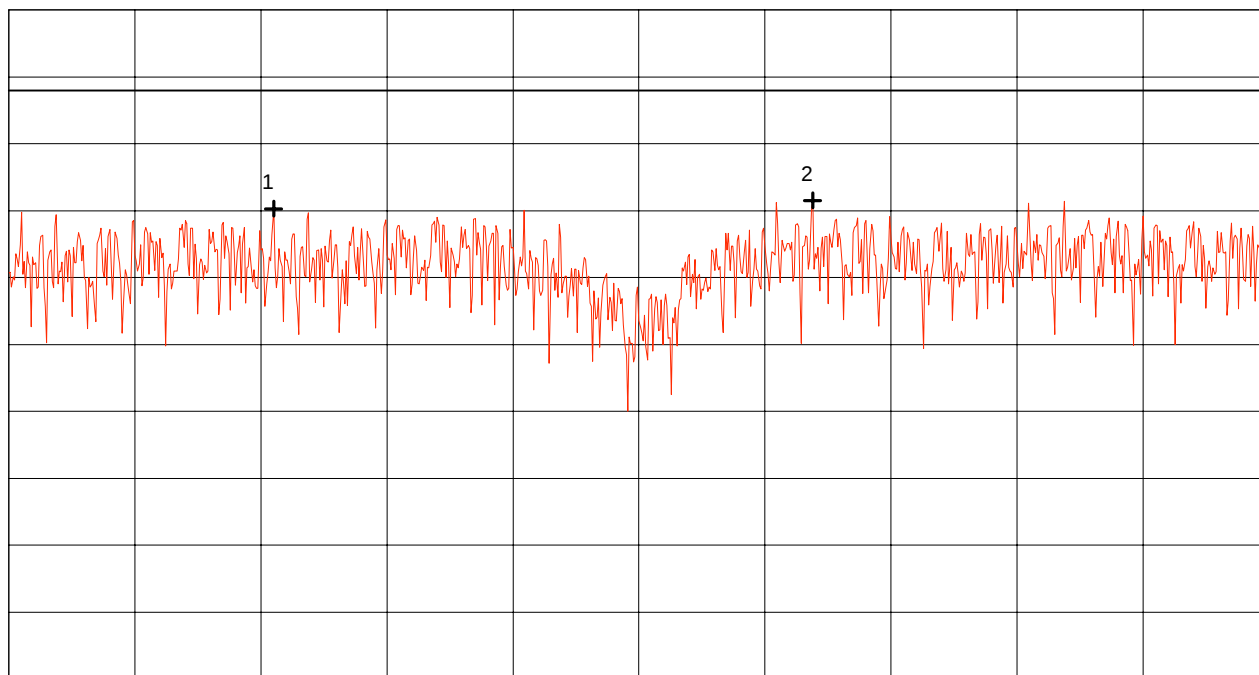
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4395 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4445 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.440550 GHz	-9.73 dBm
Nr.2	2.442689 GHz	-8.48 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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

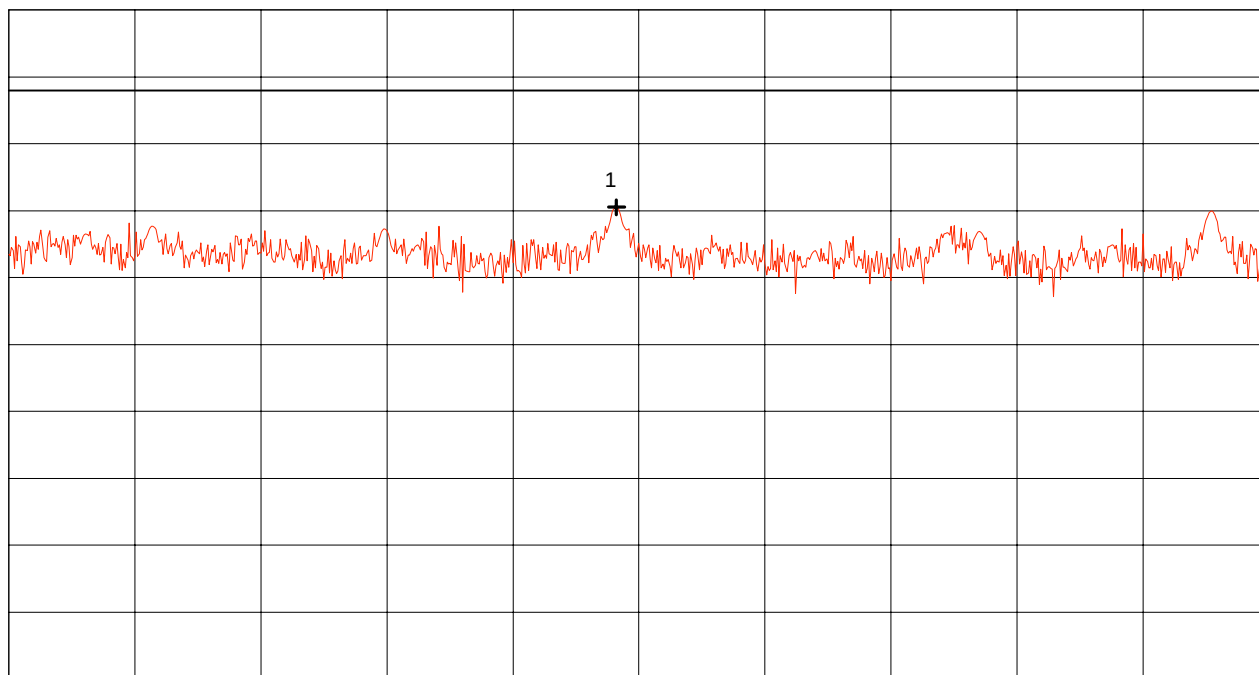
Result: Test passed

Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4404 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4407 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.440545 GHz	-9.50 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

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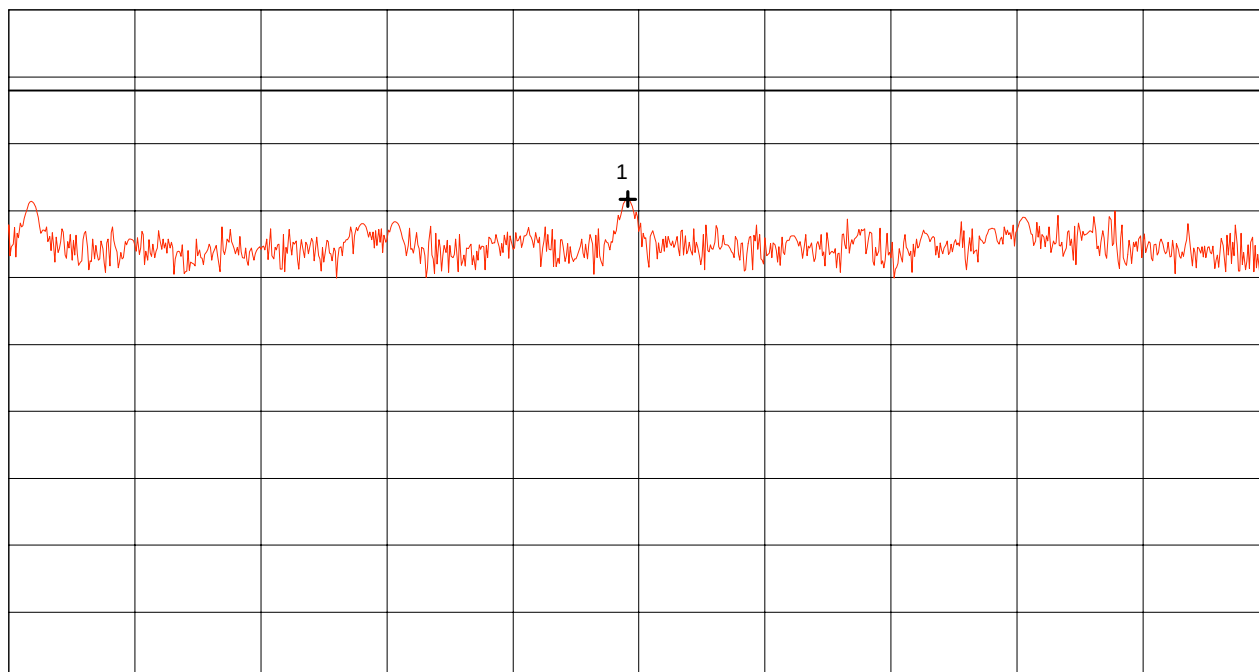
Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24E-H-FC	Mode:
Serial No.: 90990005	- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
Applicant: Lucent Technologies Nederland B.V.	- FCC test setup
	- supply voltage 115 V AC
	- operating with bit rate 2 Mbps
	- TX mode with $f = 2.442 \text{ GHz}$
	Tested on: antenna connector
	Result: Test passed
	Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.442539 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.442839 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.442686 GHz	-8.28 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
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Date:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.442$ GHz

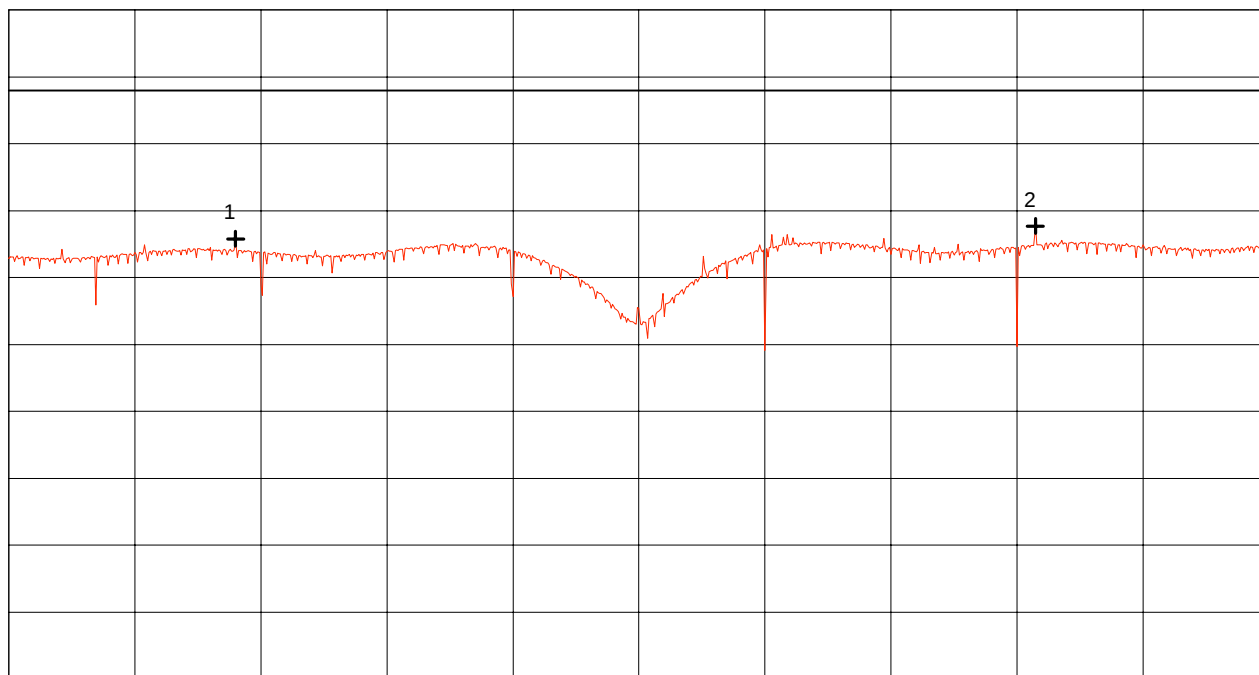
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4395 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4445 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.440400 GHz	-14.22 dBm
Nr.2	2.443572 GHz	-12.29 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
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Date:
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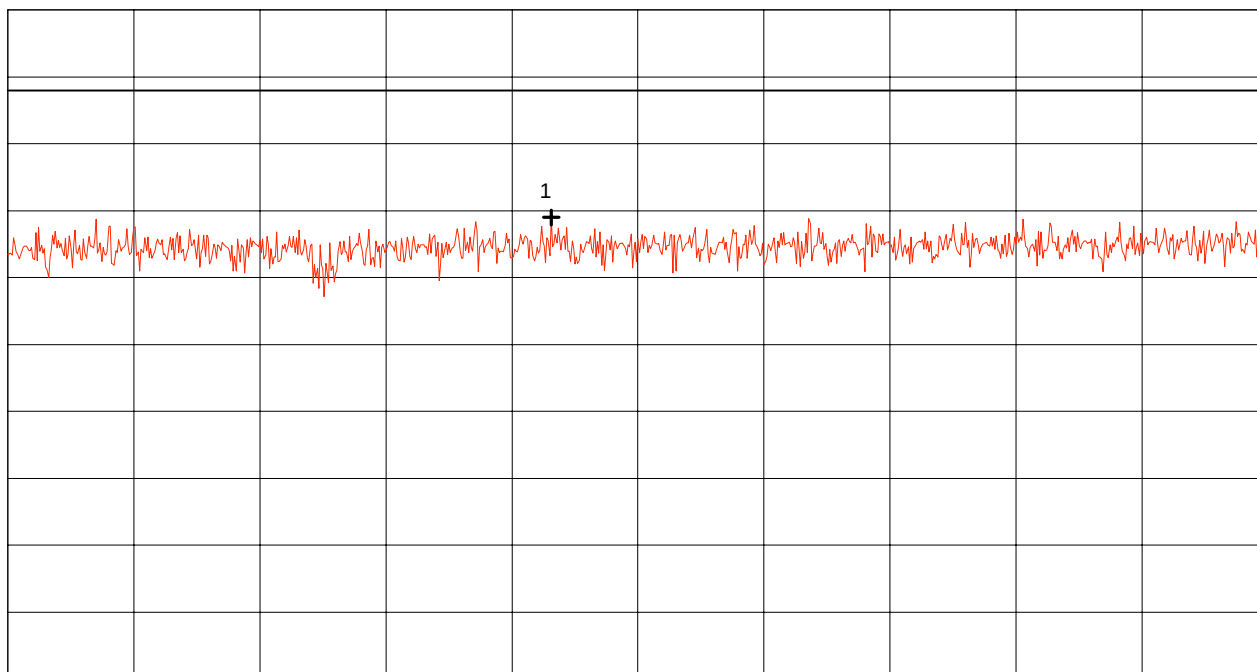
Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8) - FCC test setup - supply voltage 115 V AC - operating with bit rate 5.5 Mbps - TX mode with $f = 2.442 \text{ GHz}$
Serial No.: 90990005	Tested on: antenna connector
Applicant: Lucent Technologies Nederland B.V.	Result: Test passed

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.443422 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.443722 GHz
SWP 100 s

**** Multi Marker ****		

Nr.1	2.443551 GHz	-11.00 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.442 \text{ GHz}$

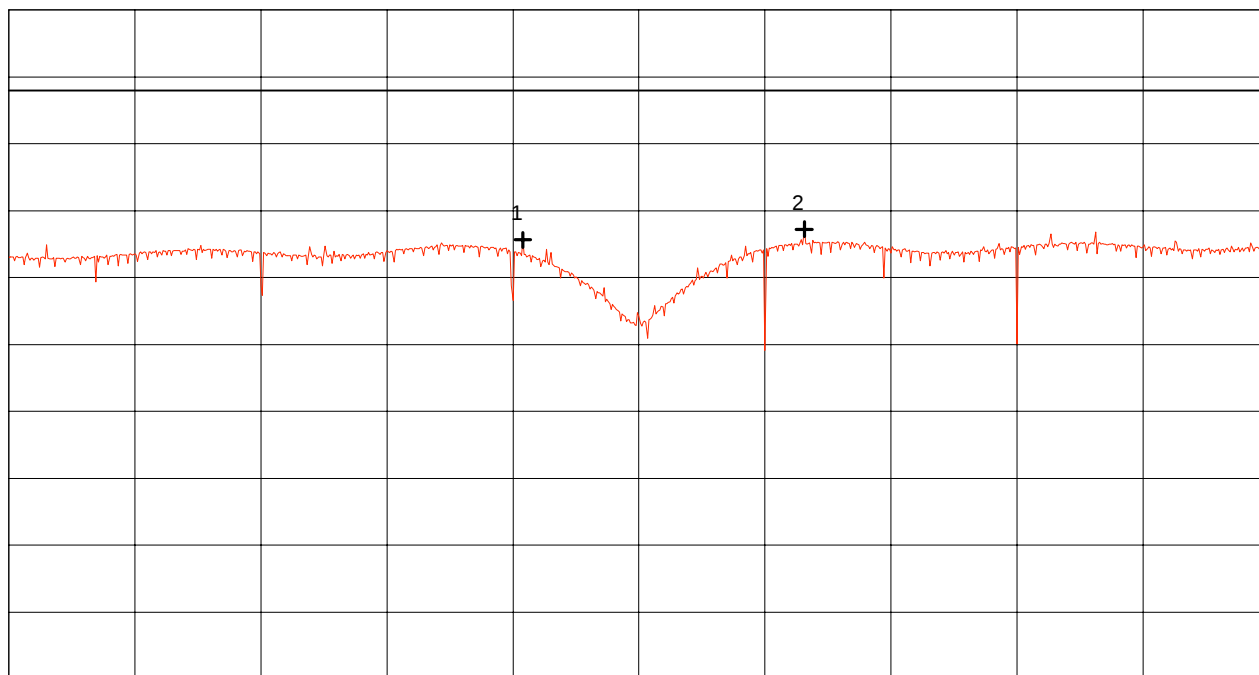
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4395 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4445 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.441539 GHz	-14.35 dBm
Nr.2	2.442656 GHz	-12.80 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
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Date:
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Project-No.:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 2 Mbps
- TX mode with $f = 2.462 \text{ GHz}$

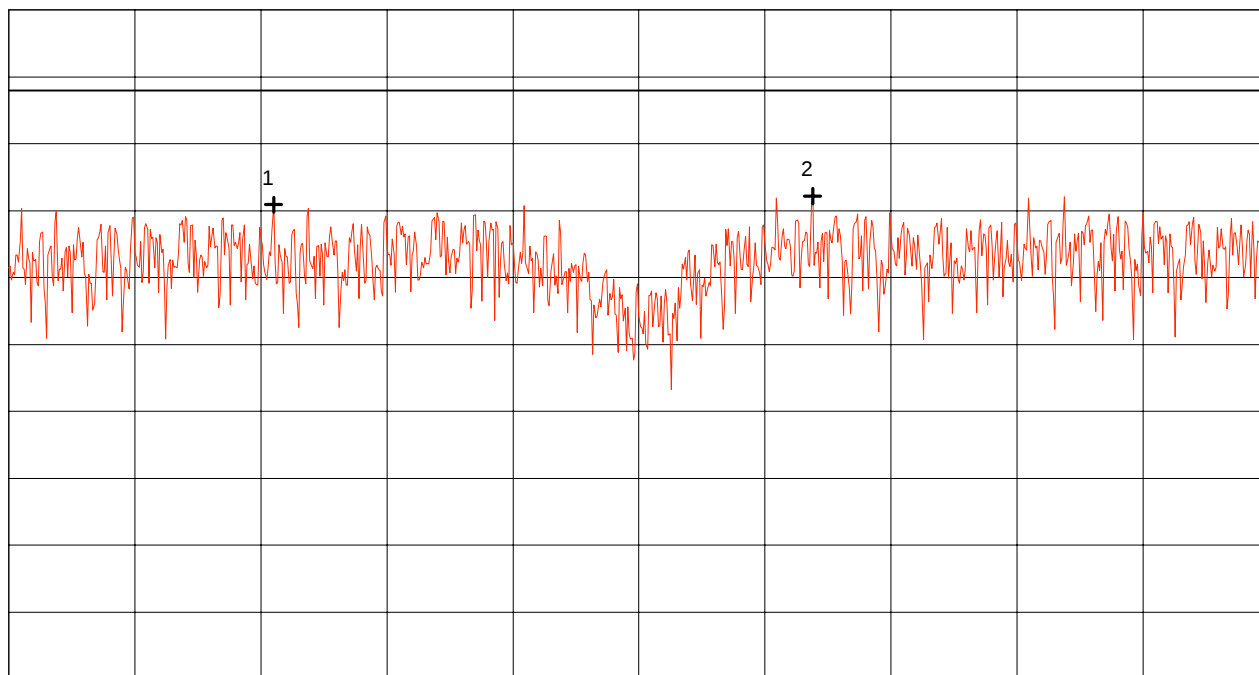
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4595 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4645 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.460550 GHz	-9.09 dBm
Nr.2	2.462689 GHz	-7.82 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
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Date:
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Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- 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

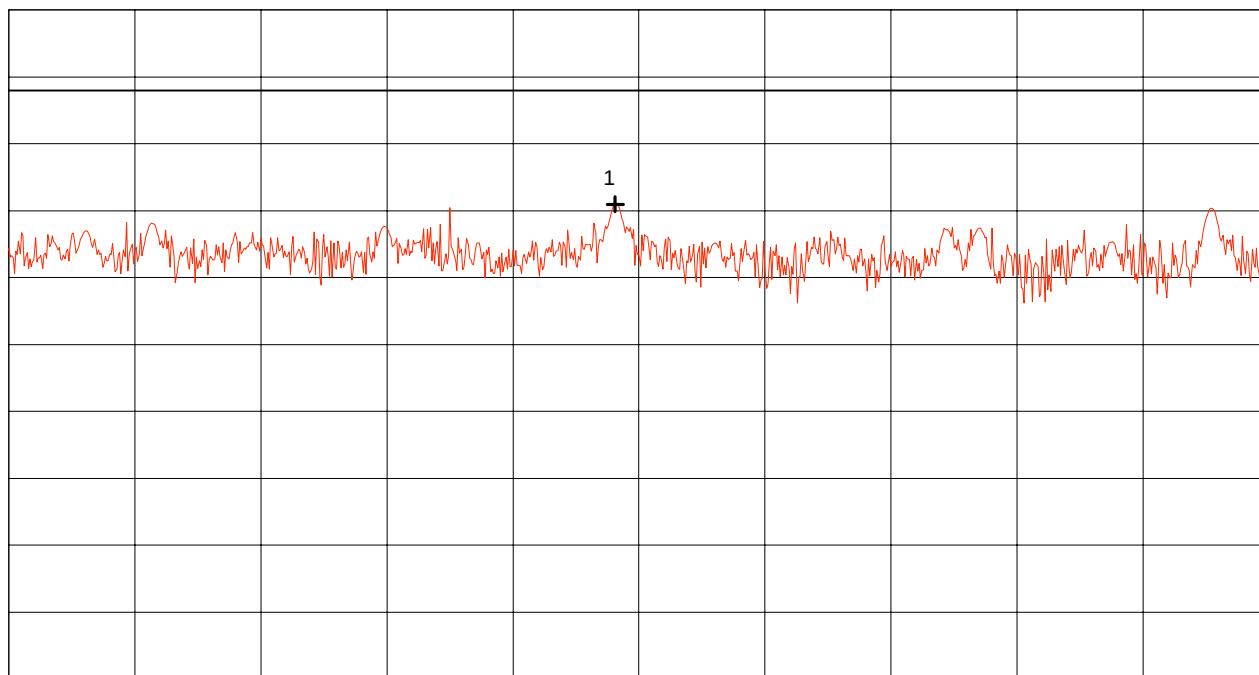
Result: Test passed

Note: According to appropriate prescans bit rates 5.5 and 11 Mbps show significantly lower values!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4604 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4607 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.460544 GHz	-9.04 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

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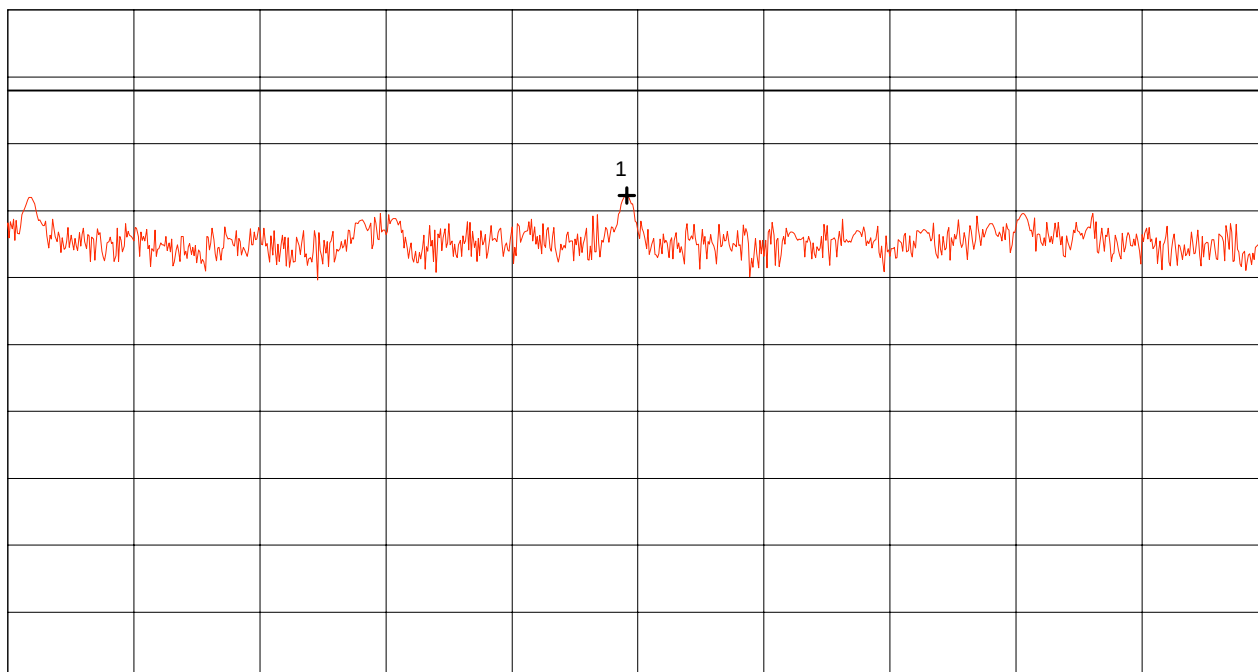
Peak power density (conducted) acc. to FCC Part 15 Subpart C

Model: LUC PC24E-H-FC	Mode:
Serial No.: 90990005	- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
Applicant: Lucent Technologies Nederland B.V.	- 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!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.462539 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.462839 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.462686 GHz	-7.72 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 5.5 Mbps
- TX mode with $f = 2.462$ GHz

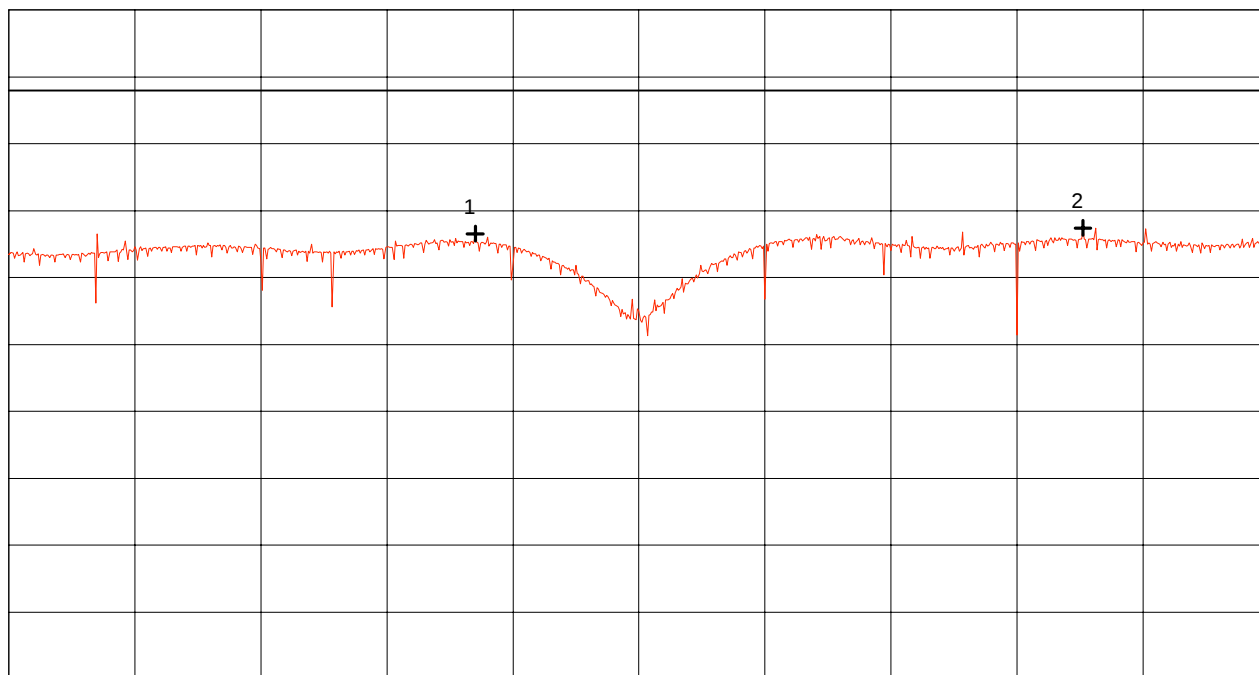
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4595 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4645 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.461350 GHz	-13.44 dBm
Nr.2	2.463761 GHz	-12.57 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462$ GHz

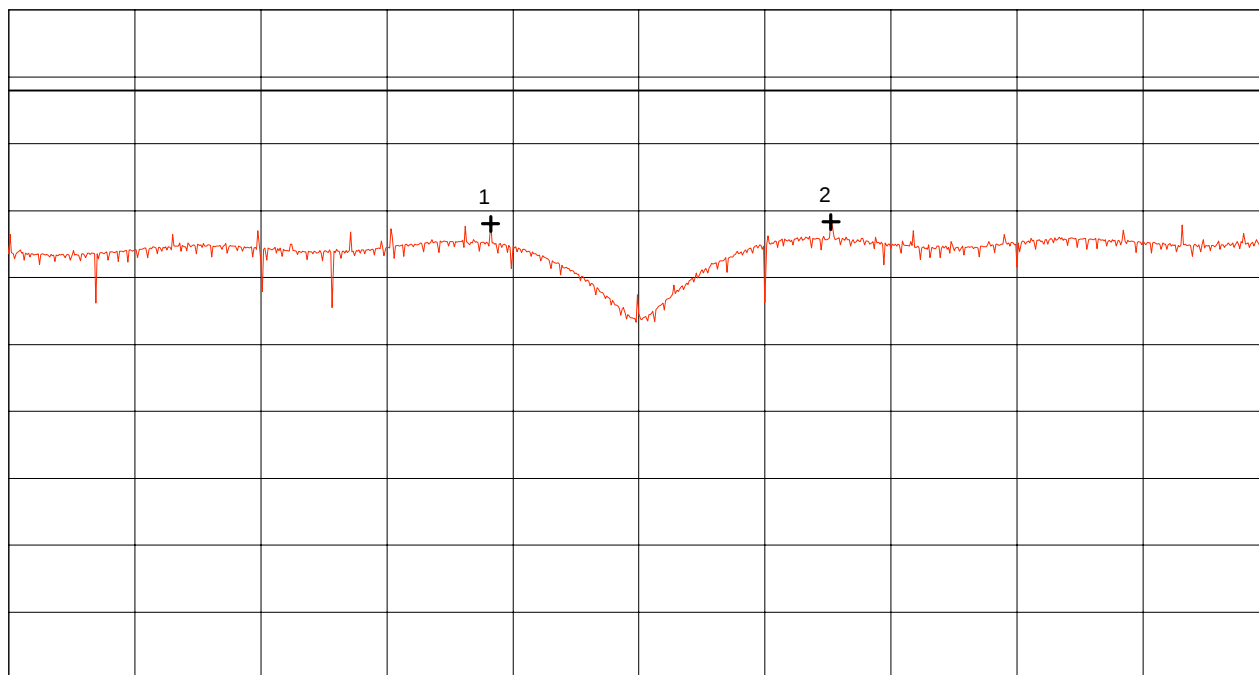
Tested on: antenna connector

Note: Prescan for zooming into maximum!

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.4595 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.4645 GHz
SWP 1.68 s

**** Multi Marker ****

Nr.1	2.461411 GHz	-11.96 dBm
Nr.2	2.462761 GHz	-11.68 dBm
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- operating with bit rate 11 Mbps
- TX mode with $f = 2.462 \text{ GHz}$

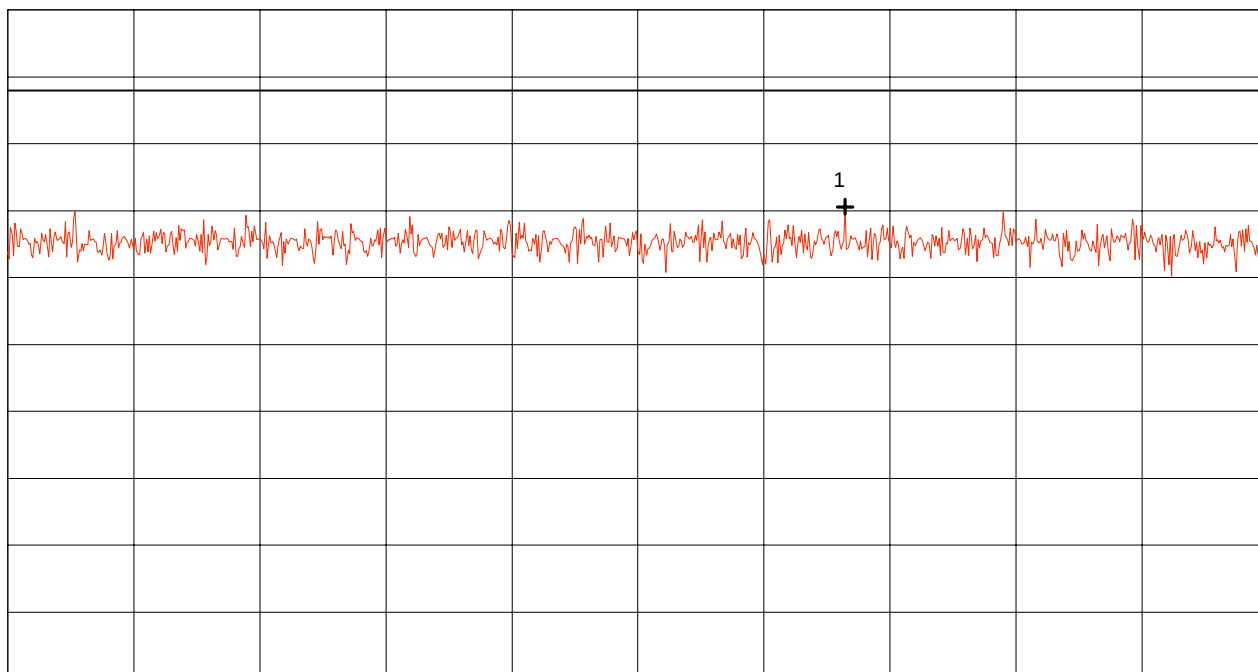
Tested on: antenna connector

Result: Test passed

Ref.Level 20 dBm
10 dB dB/Div.

ATT 20 dB

Ref. Offset 21.1 dB



Start 2.462611 GHz
RBW 3 kHz

VBW 100 kHz

Stop 2.462911 GHz
SWP 100 s

**** Multi Marker ****

Nr.1	2.462810 GHz	-9.42 dBm
Nr.2		
Nr.3		
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.412 \text{ GHz}$

Tested on: Antenna connector

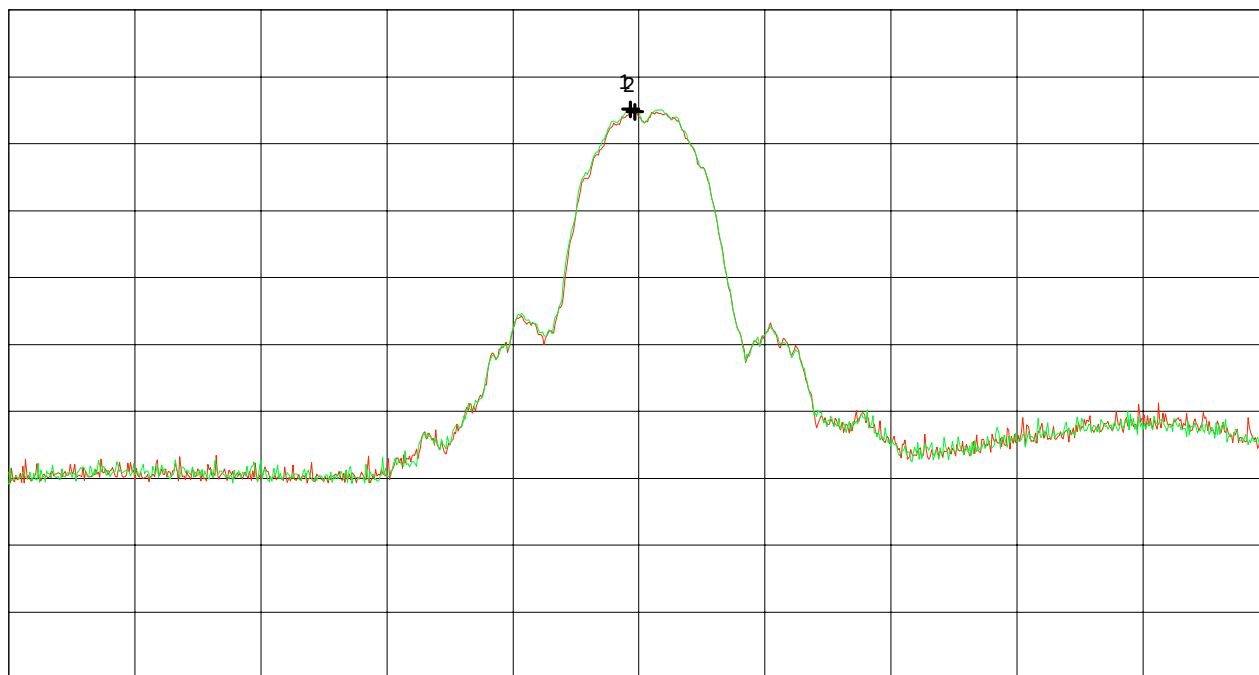
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.411000 GHz	115.15 dB μ V	(B)
Nr.2	2.411500 GHz	114.75 dB μ V	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
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Project-No.:
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Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.412 \text{ GHz}$

Tested on: Antenna connector

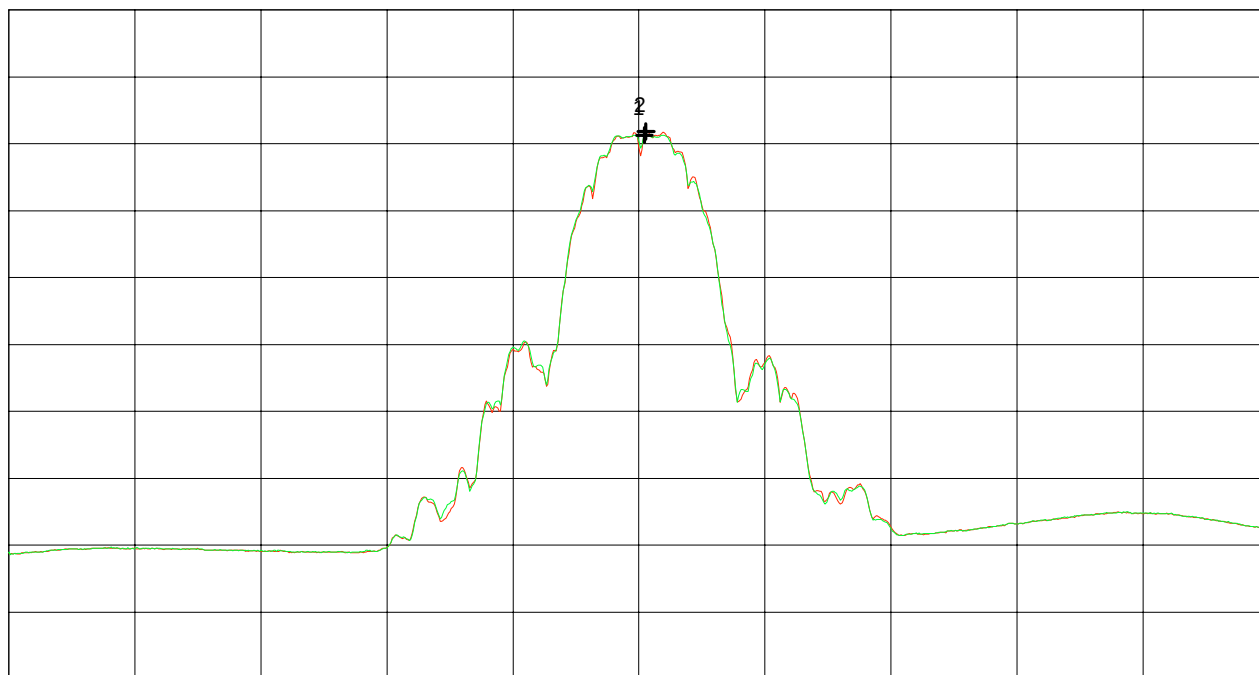
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.412667 GHz	111.29 dB μ V	(B)
Nr.2	2.412833 GHz	111.83 dB μ V	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.412 \text{ GHz}$

Tested on: Antenna connector

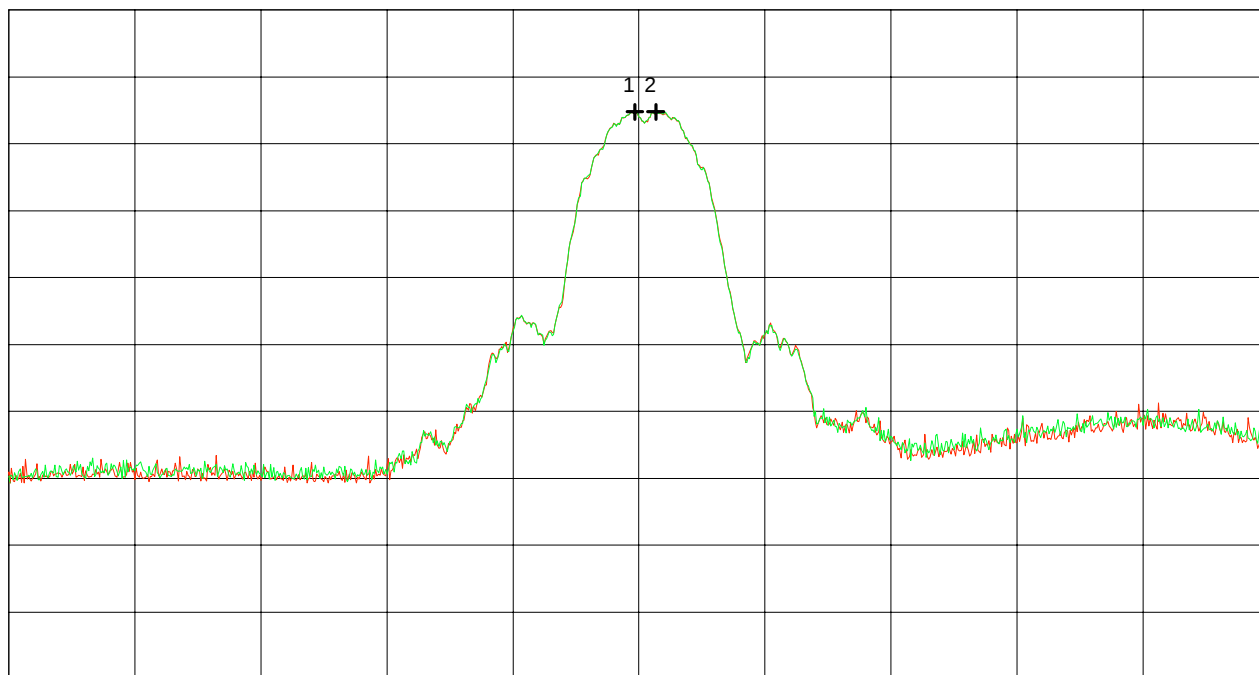
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.411500 GHz	114.75 dB μ V	(A)
Nr.2	2.414000 GHz	114.77 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.412 \text{ GHz}$

Tested on: Antenna connector

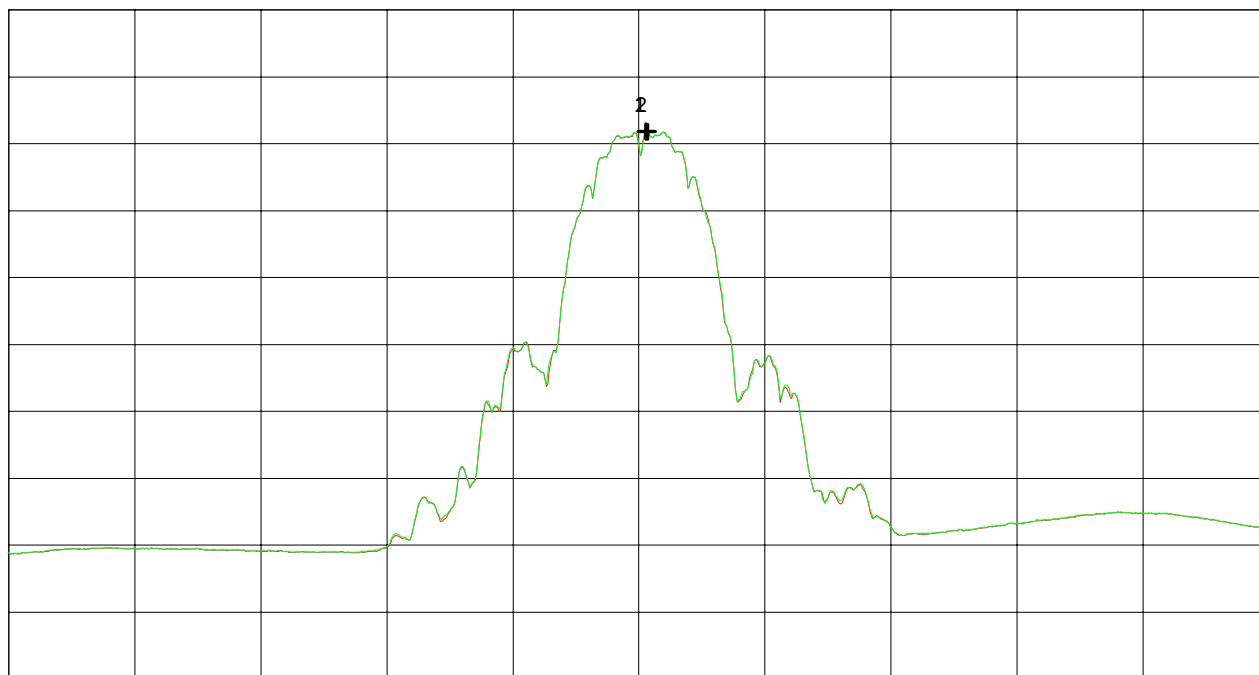
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	111.83 dB μ V	(A)
Nr.2	2.413000 GHz	111.80 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.442 \text{ GHz}$

Tested on: Antenna connector

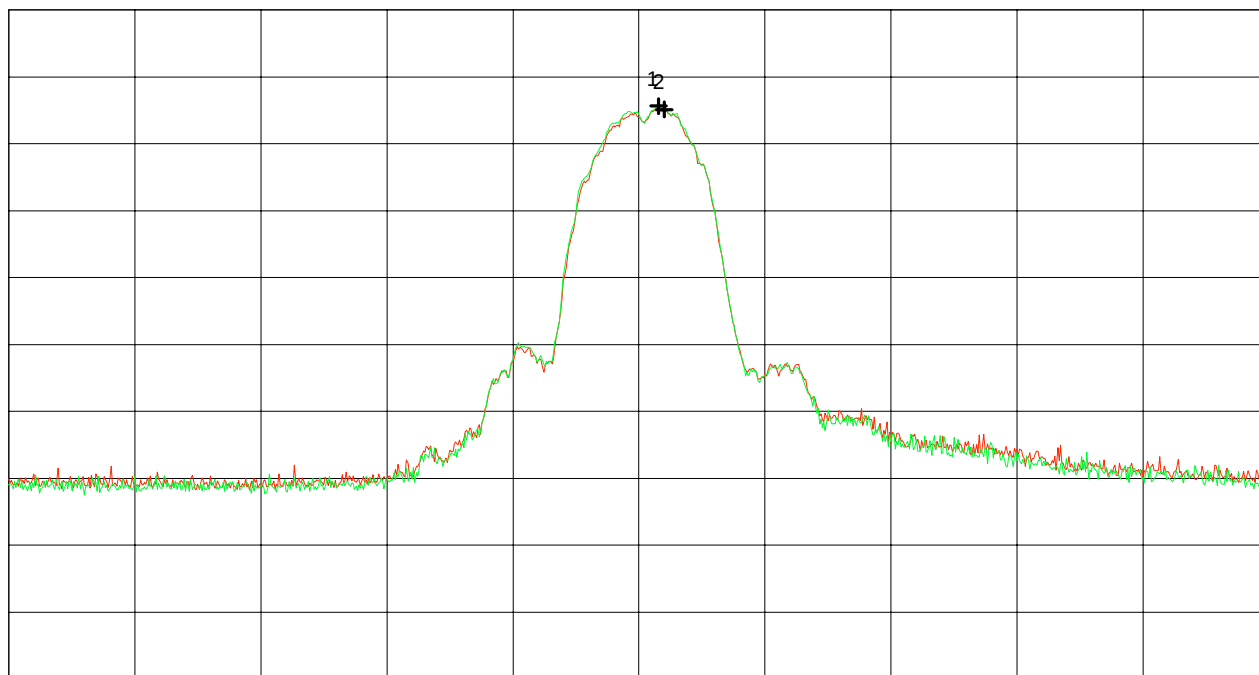
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.444333 GHz	115.64 dB μ V	(B)
Nr.2	2.445000 GHz	115.13 dB μ V	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.442 \text{ GHz}$

Tested on: Antenna connector

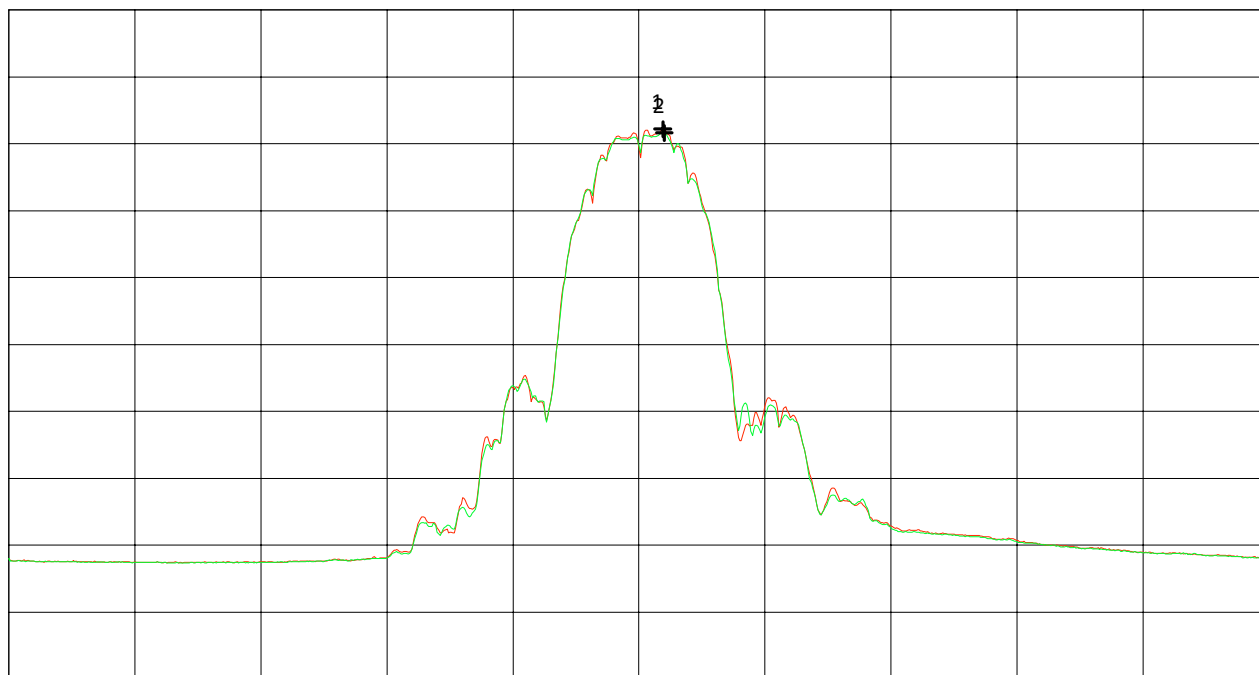
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.444833 GHz	112.18 dB μ V	(A)
Nr.2	2.445000 GHz	111.63 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.442 \text{ GHz}$

Tested on: Antenna connector

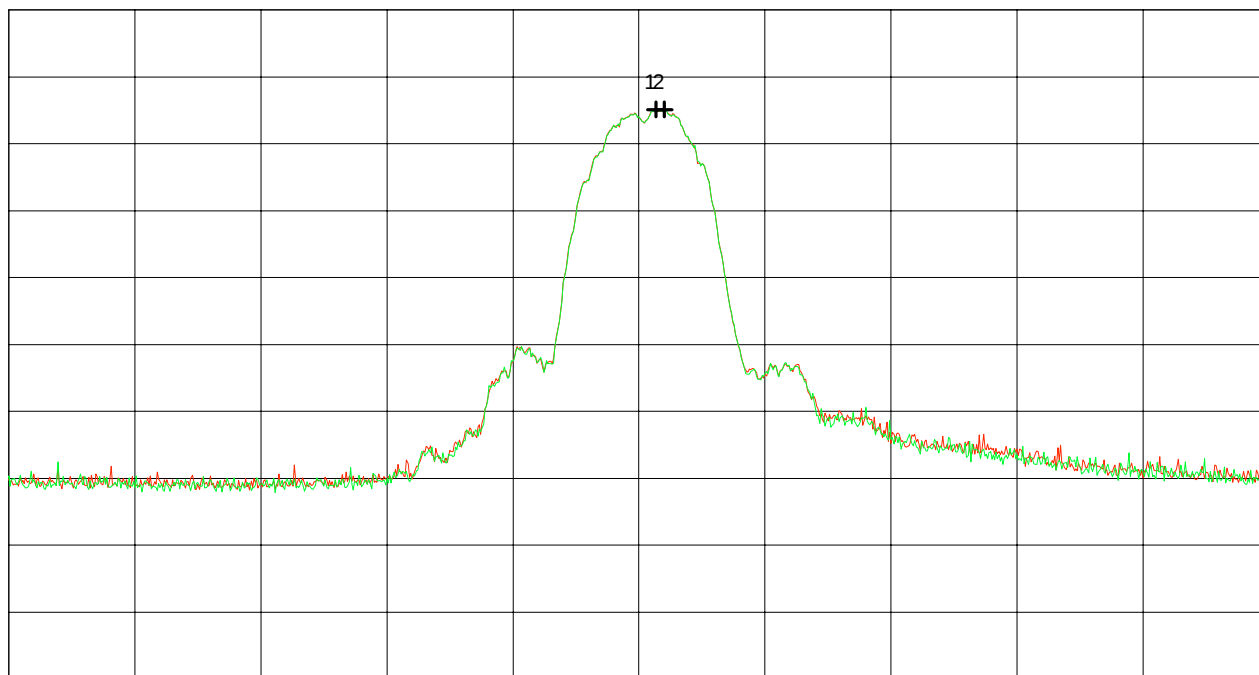
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.444000 GHz	115.13 dB μ V	(B)
Nr.2	2.445000 GHz	115.13 dB μ V	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.442 \text{ GHz}$

Tested on: Antenna connector

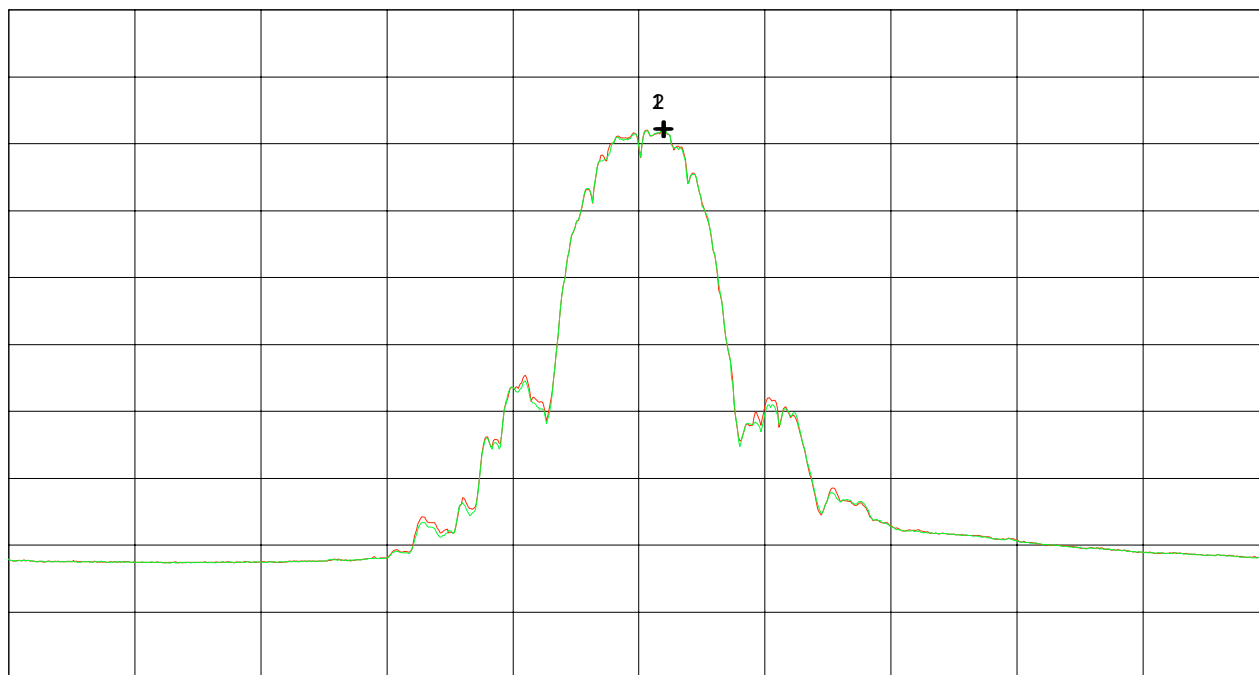
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.444833 GHz	112.18 dB μ V	(A)
Nr.2	2.445000 GHz	112.18 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.462$ GHz

Tested on: Antenna connector

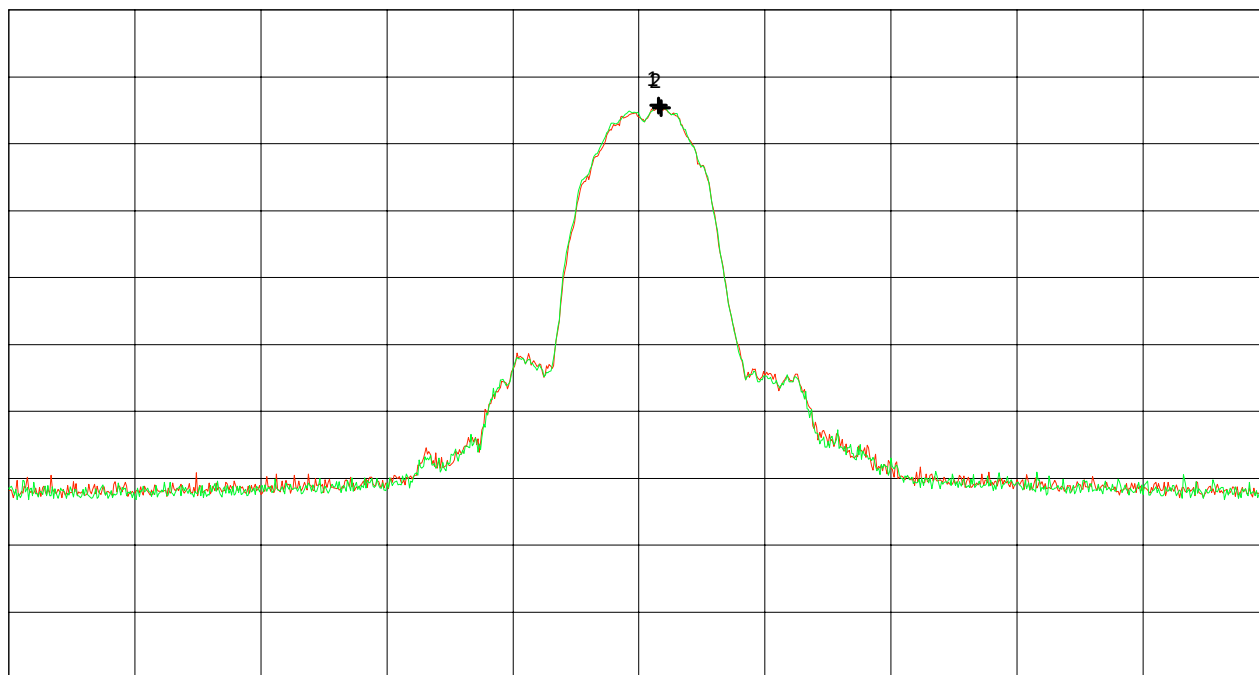
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.464333 GHz	115.74 dB μ V	(B)
Nr.2	2.464667 GHz	115.33 dB μ V	(A)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
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Frequency range (conducted) acc. to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.462 \text{ GHz}$

Tested on: Antenna connector

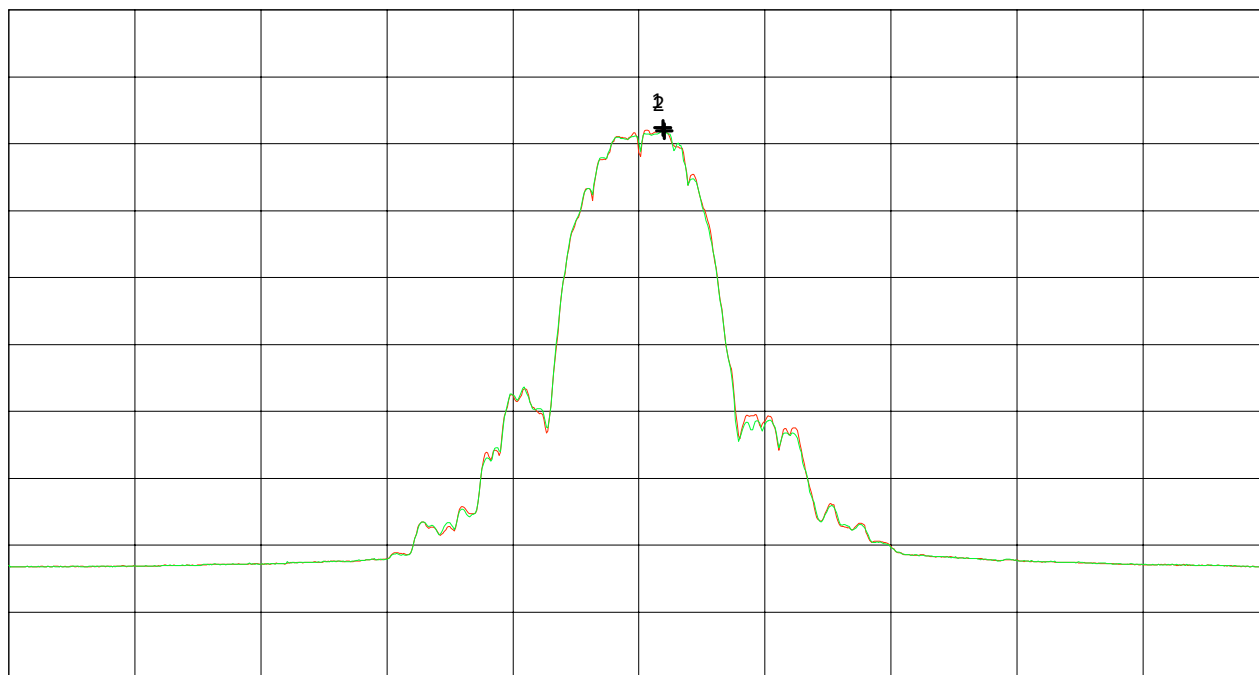
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 2 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.387 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.537 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.464833 GHz	112.36 dB μ V	(A)
Nr.2	2.465000 GHz	111.90 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.462$ GHz

Tested on: Antenna connector

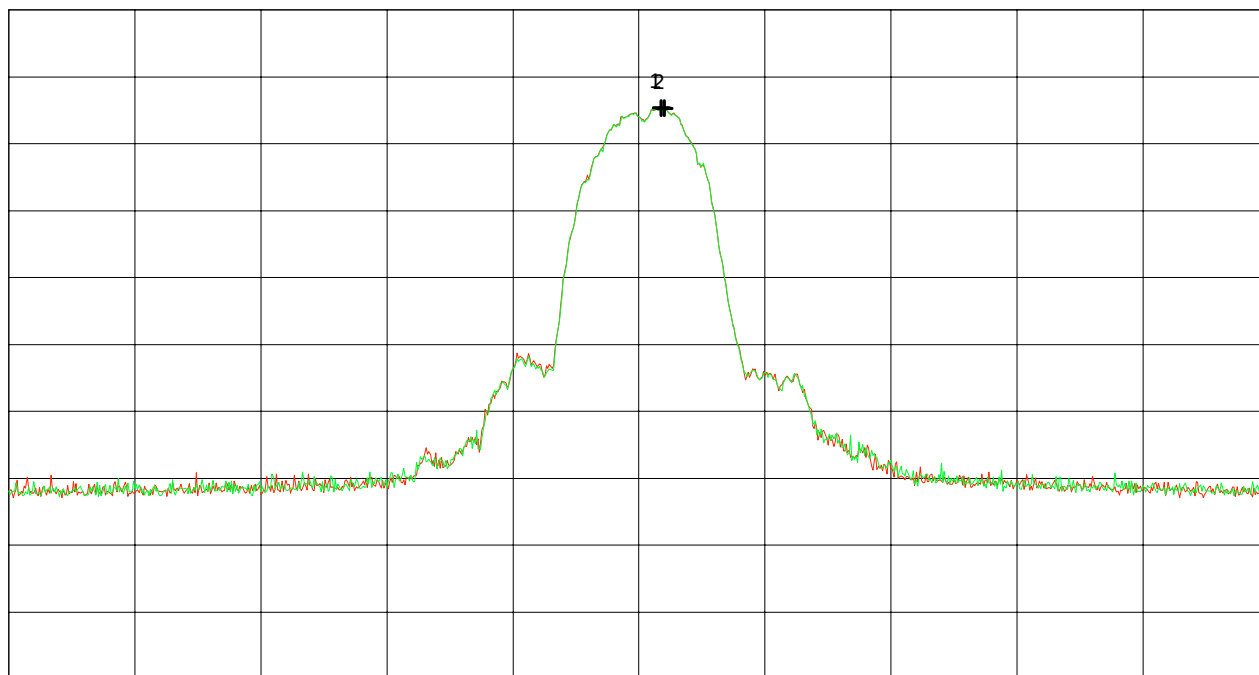
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
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	2.464667 GHz	115.33 dB μ V	(A)
Nr.2	2.465000 GHz	115.31 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- TX mode with $f = 2.462 \text{ GHz}$

Tested on: Antenna connector

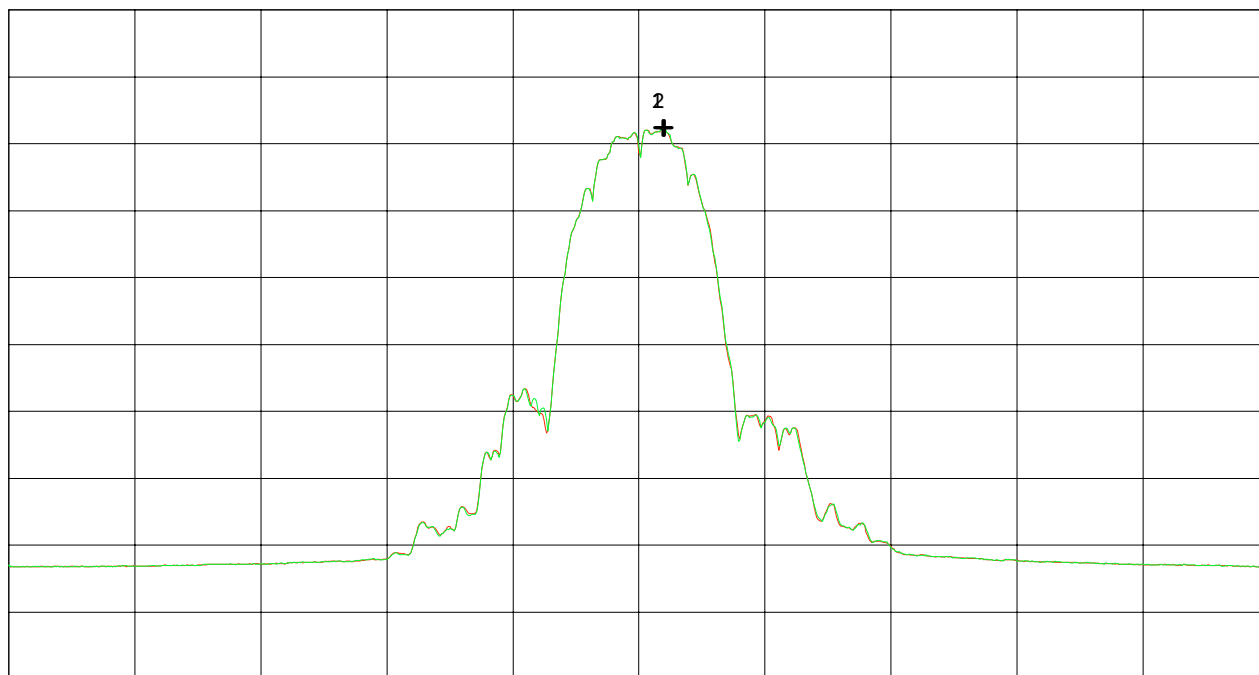
Channel A (red) = operating with bit rate 11 Mbps
Channel B (green) = operating with bit rate 5.5 Mbps

Note:
Prescan (conducted) for selection of worst case bit rate for radiated emission at band edges

Ref.Level 130 dB μ V
10 dB dB/Div.

ATT 15 dB

Ref. Offset 11.1 dB



Start 2.387 GHz
RBW 1 MHz

VBW 100 Hz

Stop 2.537 GHz
SWP 4.60 s

**** Multi Marker ****

Nr.1	2.464833 GHz	112.36 dB μ V	(A)
Nr.2	2.465000 GHz	112.36 dB μ V	(B)
Nr.3			
Nr.4			
Nr.5			
Nr.6			
Nr.7			
Nr.8			

Tested by:
Rainer Heller

Date:
04/21/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

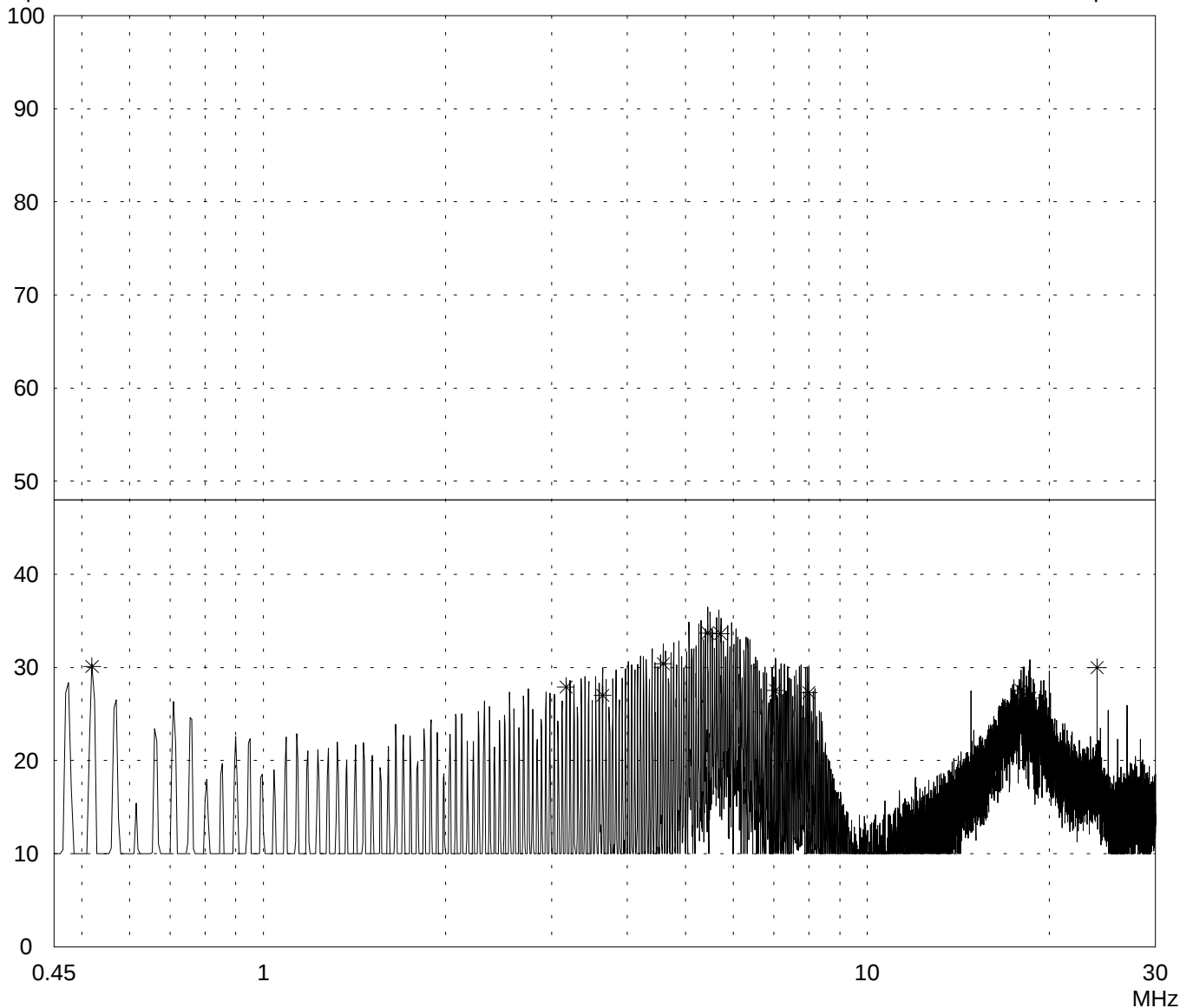
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	30.1		30.1	48.0	
3.170	27.9		27.9	48.0	
3.645	27.0		27.0	48.0	
4.590	30.4		30.4	48.0	
5.440	33.7		33.7	48.0	
5.712	33.6		33.6	48.0	
7.050	27.5		27.5	48.0	
7.995	27.3		27.3	48.0	
17.970	27.5		27.5	48.0	
18.600	26.7		26.7	48.0	
24.005	30.0		30.0	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

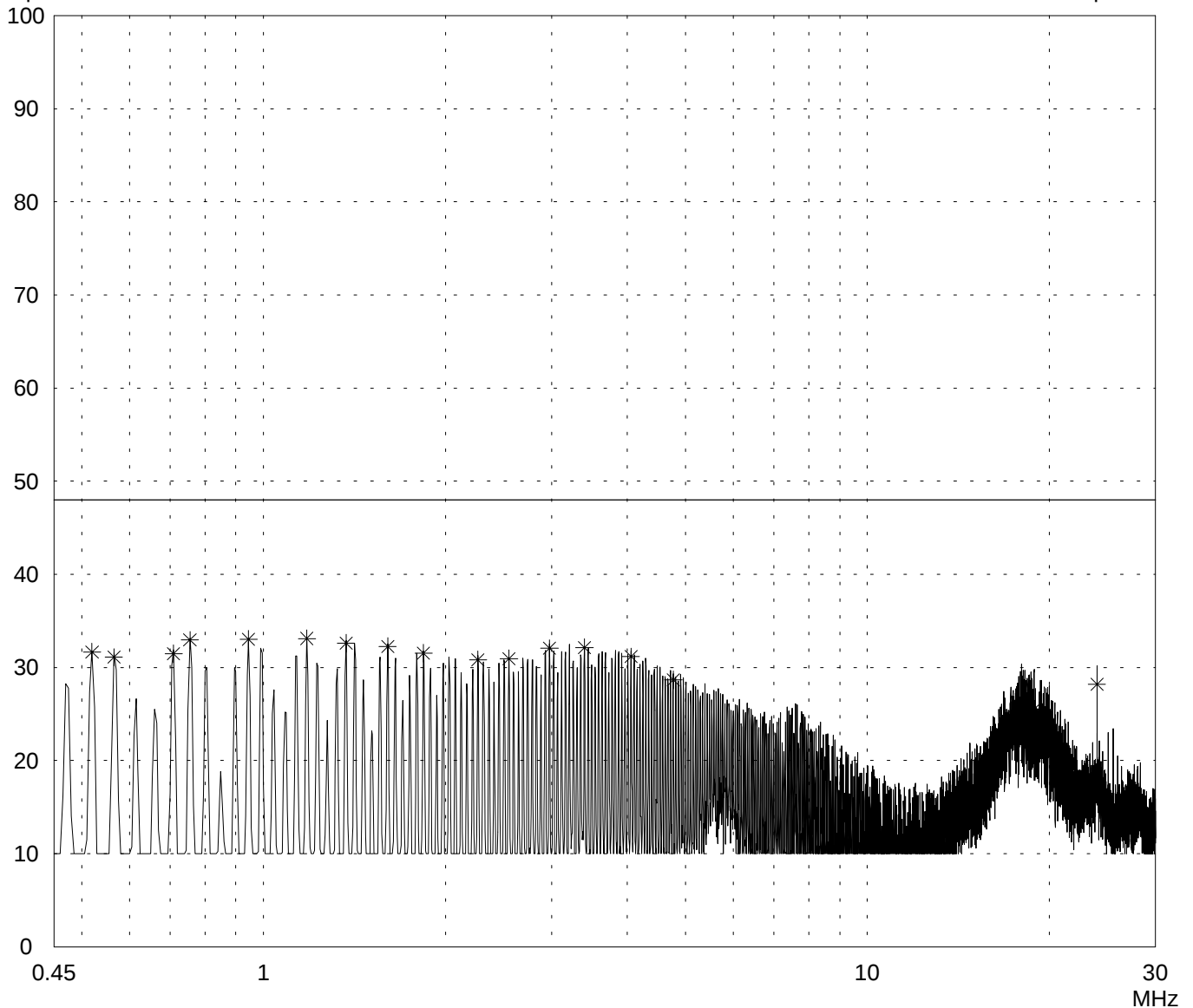
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	31.7		31.7	48.0	
0.565	31.1		31.1	48.0	
0.710	31.5		31.5	48.0	
0.755	33.0		33.0	48.0	
0.945	33.0		33.0	48.0	
1.180	33.1		33.1	48.0	
1.370	32.6		32.6	48.0	
1.605	32.3		32.3	48.0	
1.840	31.5		31.5	48.0	
2.265	30.8		30.8	48.0	
2.550	30.9		30.9	48.0	
2.975	32.1		32.1	48.0	
3.400	32.2		32.2	48.0	
4.060	31.1		31.1	48.0	
4.770	28.7		28.7	48.0	
18.005	26.5		26.5	48.0	
18.885	25.5		25.5	48.0	
24.005	28.2		28.2	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

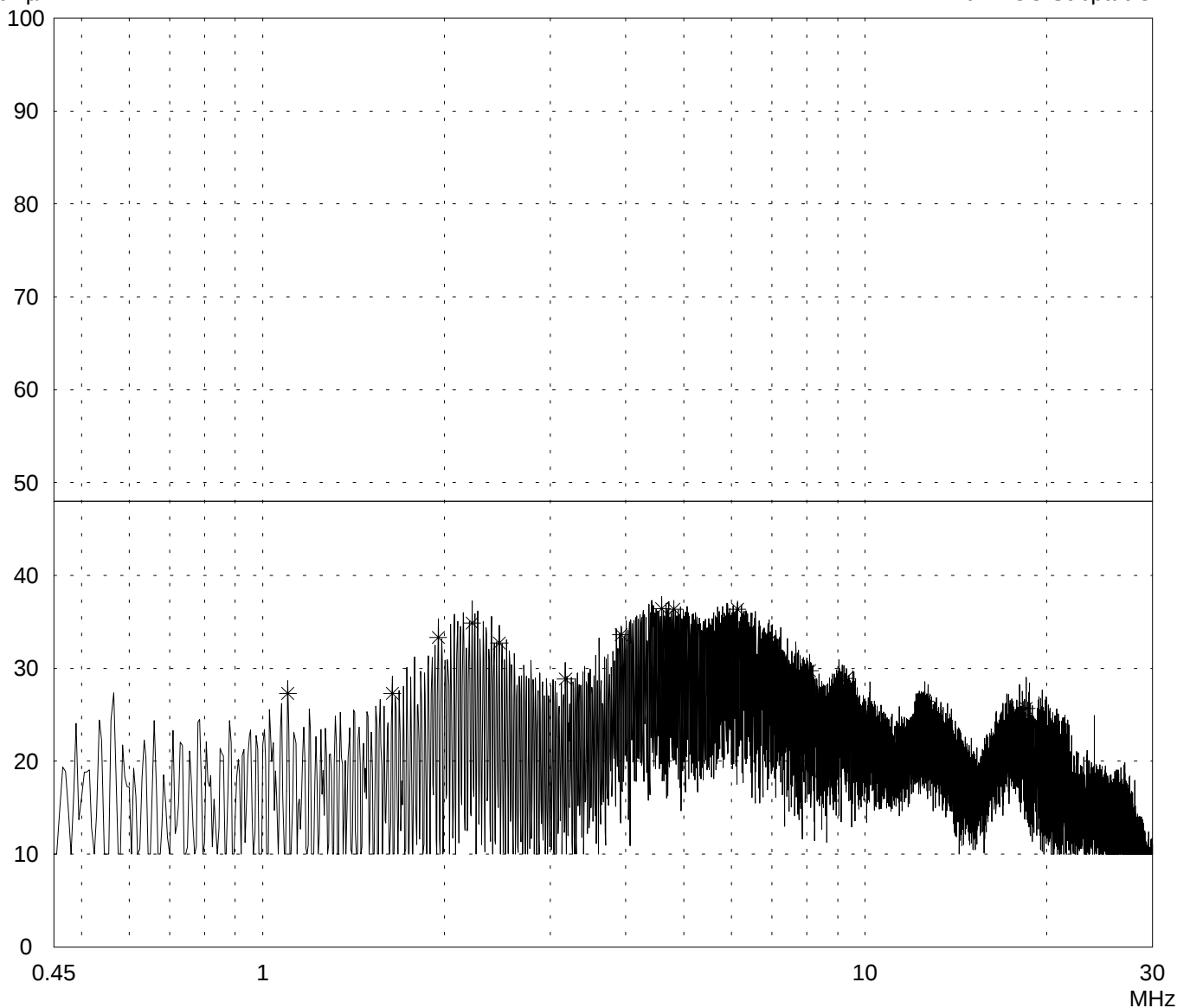
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.100	27.3		27.3	48.0	
1.640	27.3		27.3	48.0	
1.955	33.3		33.3	48.0	
2.225	34.9		34.9	48.0	
2.470	32.7		32.7	48.0	
3.180	28.8		28.8	48.0	
3.935	33.6		33.6	48.0	
4.595	36.4		36.4	48.0	
4.815	36.4		36.4	48.0	
6.135	36.3		36.3	48.0	
6.920	32.9		32.9	48.0	
8.090	29.8		29.8	48.0	
9.290	28.9		28.9	48.0	
12.565	26.5		26.5	48.0	
18.065	25.0		25.0	48.0	
18.505	25.7		25.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

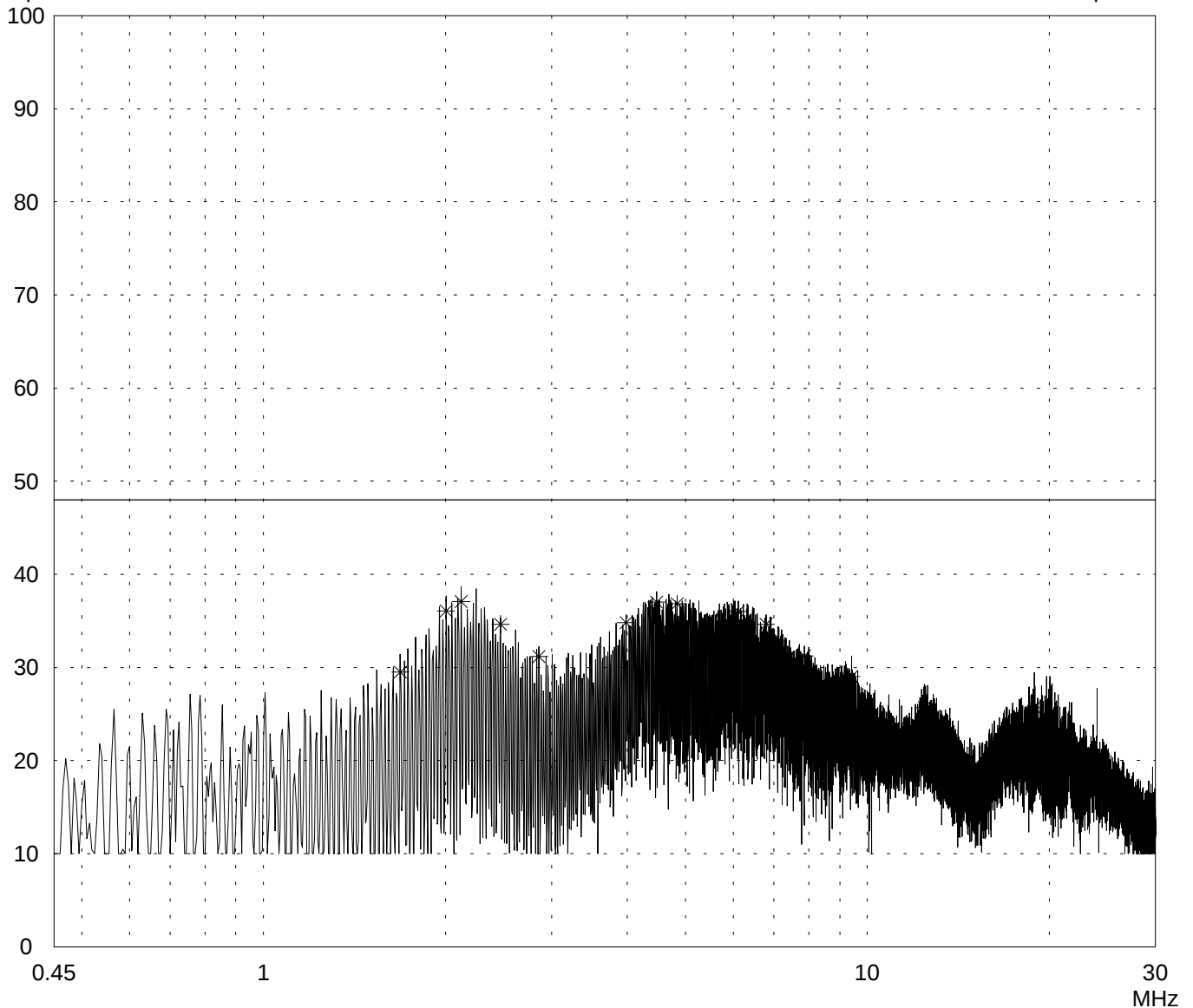
- TX mode with $f = 2.412$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.685	29.5		29.5	48.0	
2.005	36.1		36.1	48.0	
2.125	37.1		37.1	48.0	
2.470	34.6		34.6	48.0	
2.860	31.1		31.1	48.0	
3.985	34.8		34.8	48.0	
4.475	37.0		37.0	48.0	
4.840	36.8		36.8	48.0	
6.110	36.0		36.0	48.0	
6.795	34.6		34.6	48.0	
7.870	31.2		31.2	48.0	
9.410	29.1		29.1	48.0	
12.440	25.7		25.7	48.0	
18.915	25.7		25.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

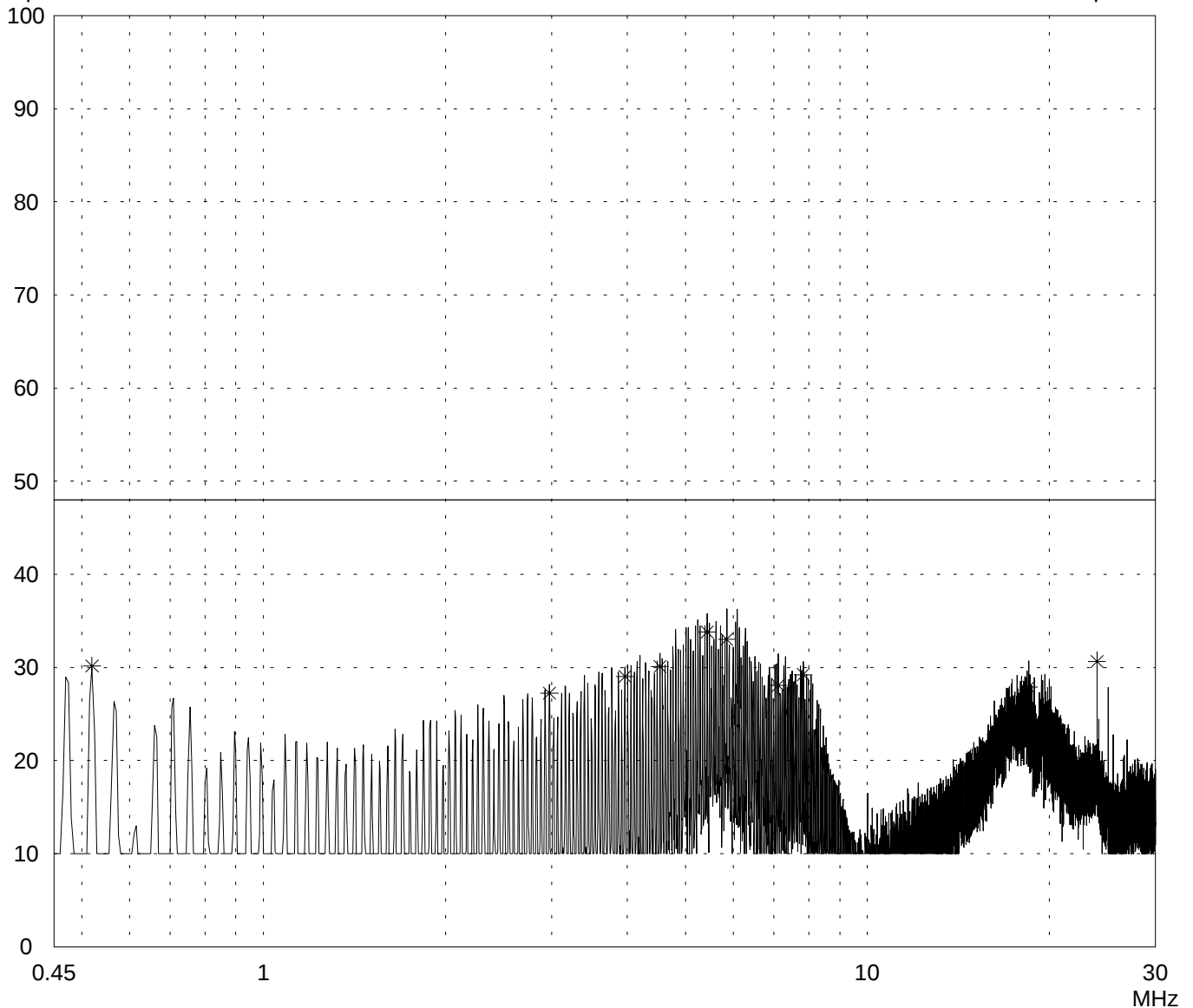
- TX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	30.2		30.2	48.0	
2.975	27.2		27.2	48.0	
3.965	29.0		29.0	48.0	
4.530	30.1		30.1	48.0	
5.430	33.8		33.8	48.0	
5.850	33.0		33.0	48.0	
7.125	28.1		28.1	48.0	
7.835	29.2		29.2	48.0	
17.700	24.8		24.8	48.0	
18.505	27.9		27.9	48.0	
24.005	30.6		30.6	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

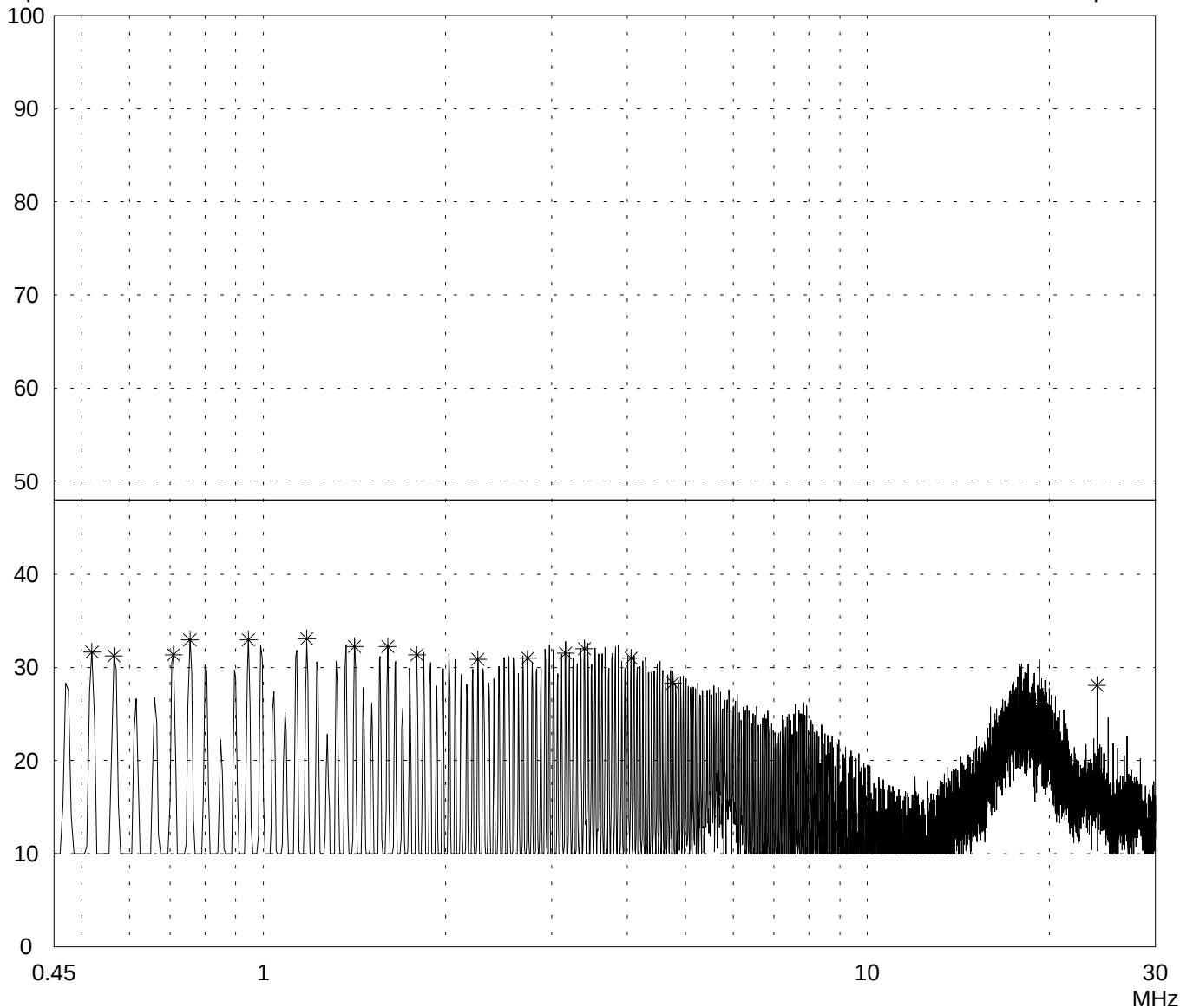
Detector:
Peak / Final Results: QP

Final results:
20 dB Margin

25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	31.6		31.6	48.0	
0.565	31.2		31.2	48.0	
0.710	31.4		31.4	48.0	
0.755	33.0		33.0	48.0	
0.945	33.0		33.0	48.0	
1.180	33.1		33.1	48.0	
1.415	32.3		32.3	48.0	
1.605	32.2		32.2	48.0	
1.795	31.3		31.3	48.0	
2.265	30.9		30.9	48.0	
2.740	31.0		31.0	48.0	
3.165	31.5		31.5	48.0	
3.400	32.0		32.0	48.0	
4.060	31.0		31.0	48.0	
4.765	28.3		28.3	48.0	
17.840	26.6		26.6	48.0	
19.260	26.2		26.2	48.0	
24.005	28.1		28.1	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

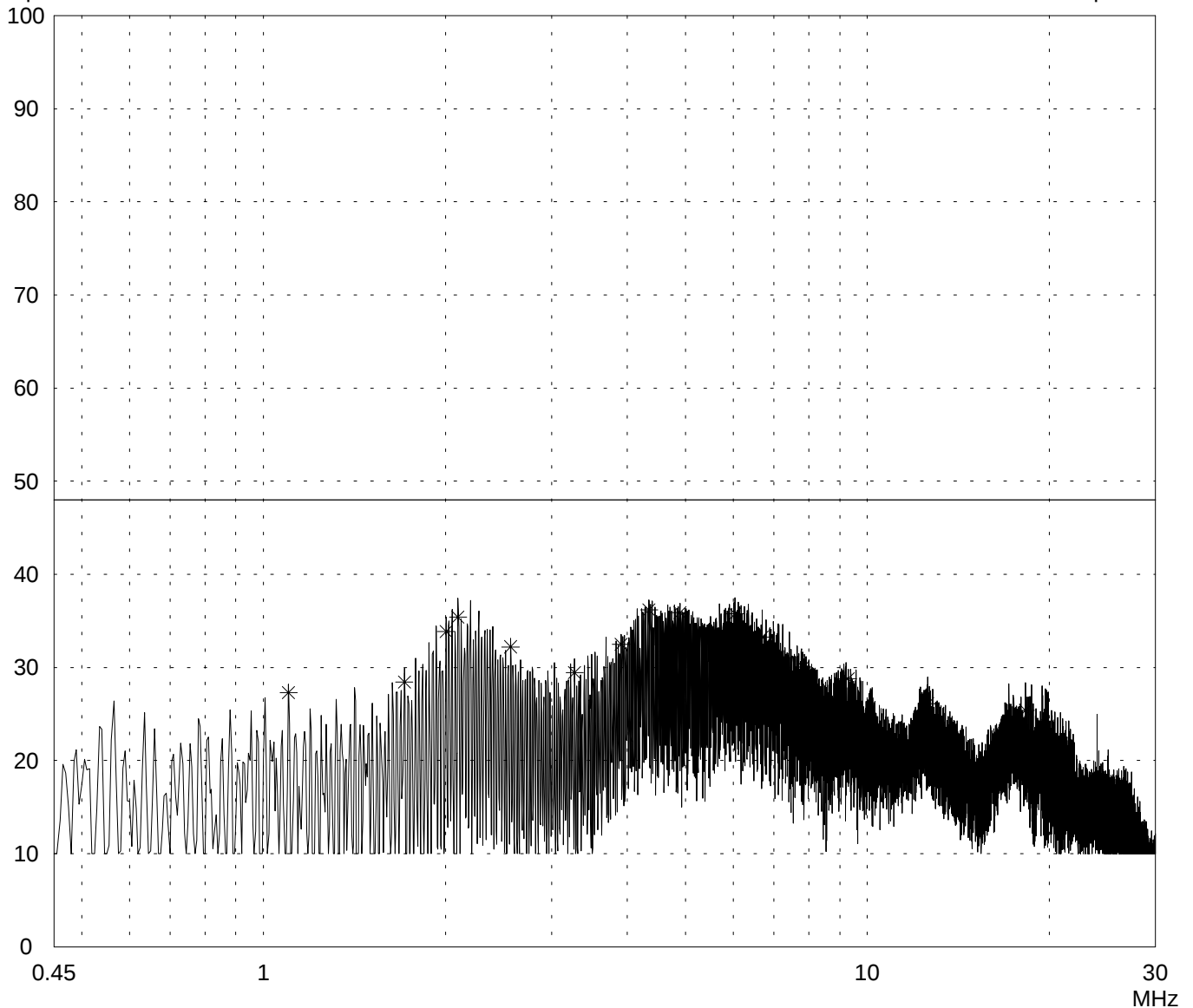
- TX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.100	27.3		27.3	48.0	
1.710	28.4		28.4	48.0	
2.005	33.8		33.8	48.0	
2.100	35.4		35.4	48.0	
2.565	32.2		32.2	48.0	
3.275	29.4		29.4	48.0	
3.910	32.5		32.5	48.0	
4.350	36.2		36.2	48.0	
4.890	35.9		35.9	48.0	
6.040	35.7		35.7	48.0	
6.700	33.3		33.3	48.0	
7.825	30.0		30.0	48.0	
9.290	28.8		28.8	48.0	
12.590	26.1		26.1	48.0	
17.160	23.8		23.8	48.0	
18.285	25.4		25.4	48.0	

Result:
Limit kept

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

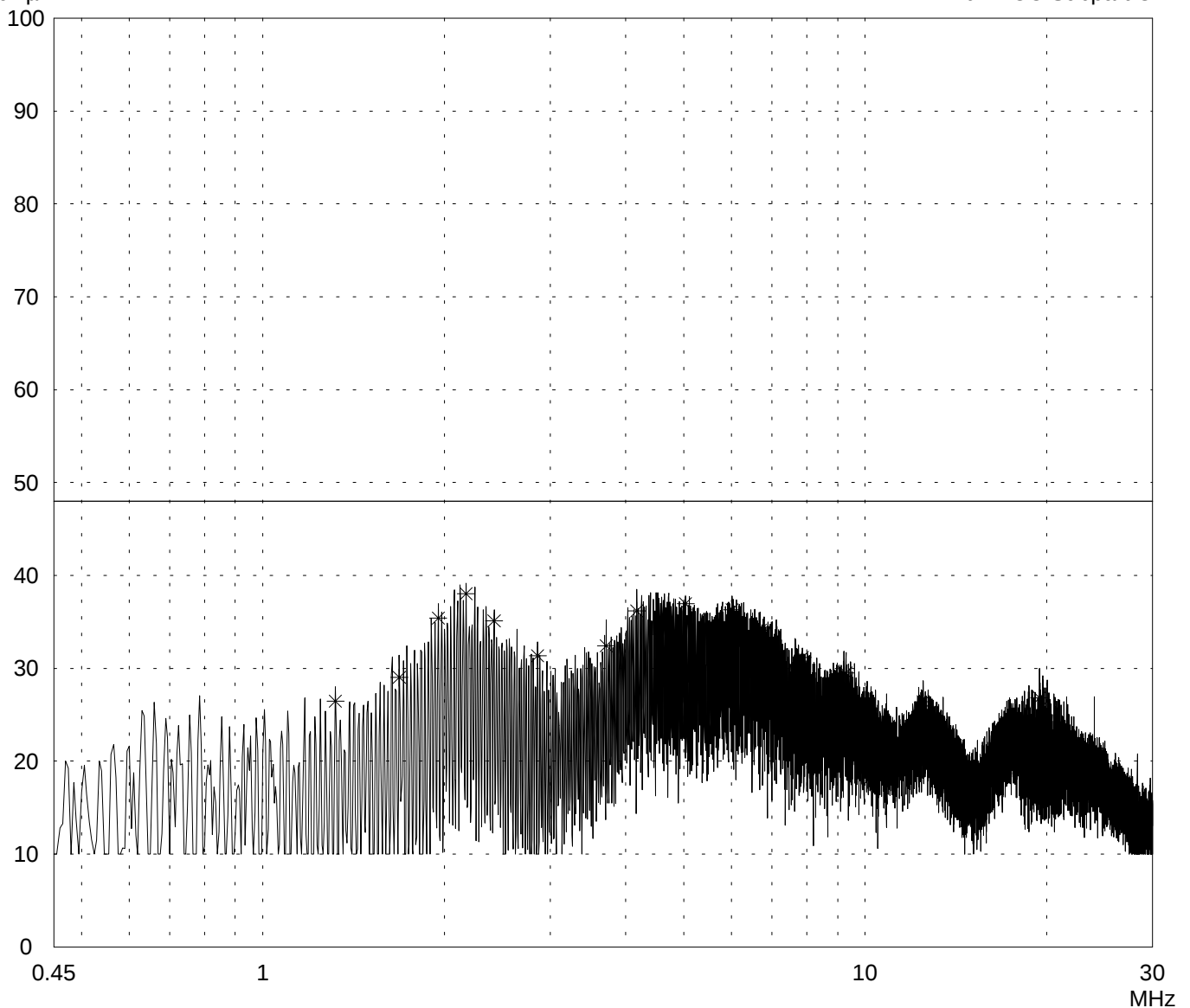
- TX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.320	26.5		26.5	48.0	
1.685	29.0		29.0	48.0	
1.955	35.4		35.4	48.0	
2.175	38.0		38.0	48.0	
2.420	35.1		35.1	48.0	
2.860	31.4		31.4	48.0	
3.715	32.5		32.5	48.0	
4.180	36.2		36.2	48.0	
5.035	37.0		37.0	48.0	
6.015	36.3		36.3	48.0	
6.700	34.1		34.1	48.0	
7.870	31.2		31.2	48.0	
9.290	29.5		29.5	48.0	
12.490	26.4		26.4	48.0	
19.480	26.8		26.8	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

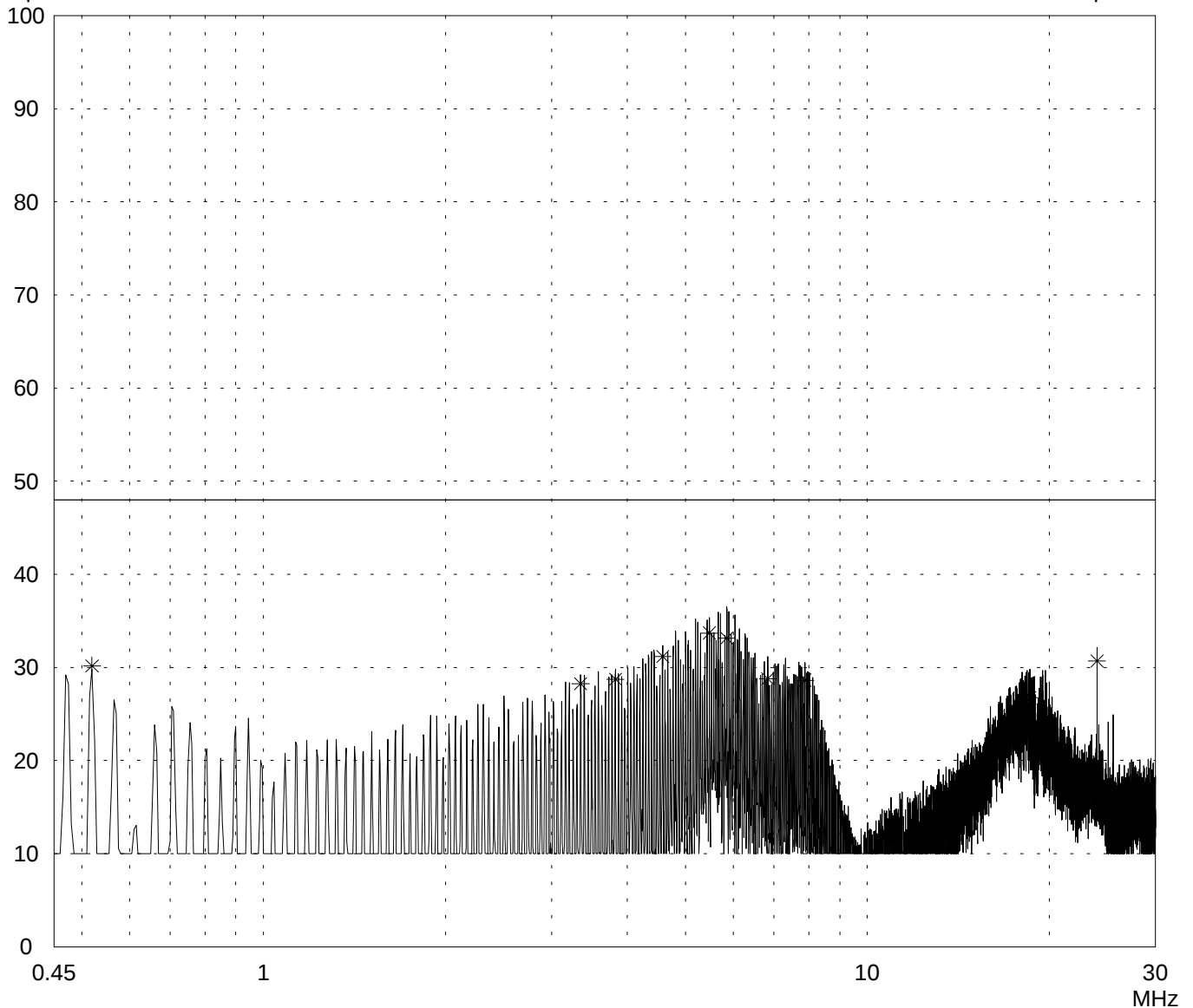
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	30.2		30.2	48.0	
3.350	28.3		28.3	48.0	
3.825	28.7		28.7	48.0	
4.580	31.2		31.2	48.0	
5.475	33.7		33.7	48.0	
5.850	33.2		33.2	48.0	
6.845	28.8		28.8	48.0	
7.885	28.6		28.6	48.0	
18.030	26.5		26.5	48.0	
18.600	26.8		26.8	48.0	
24.005	30.7		30.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

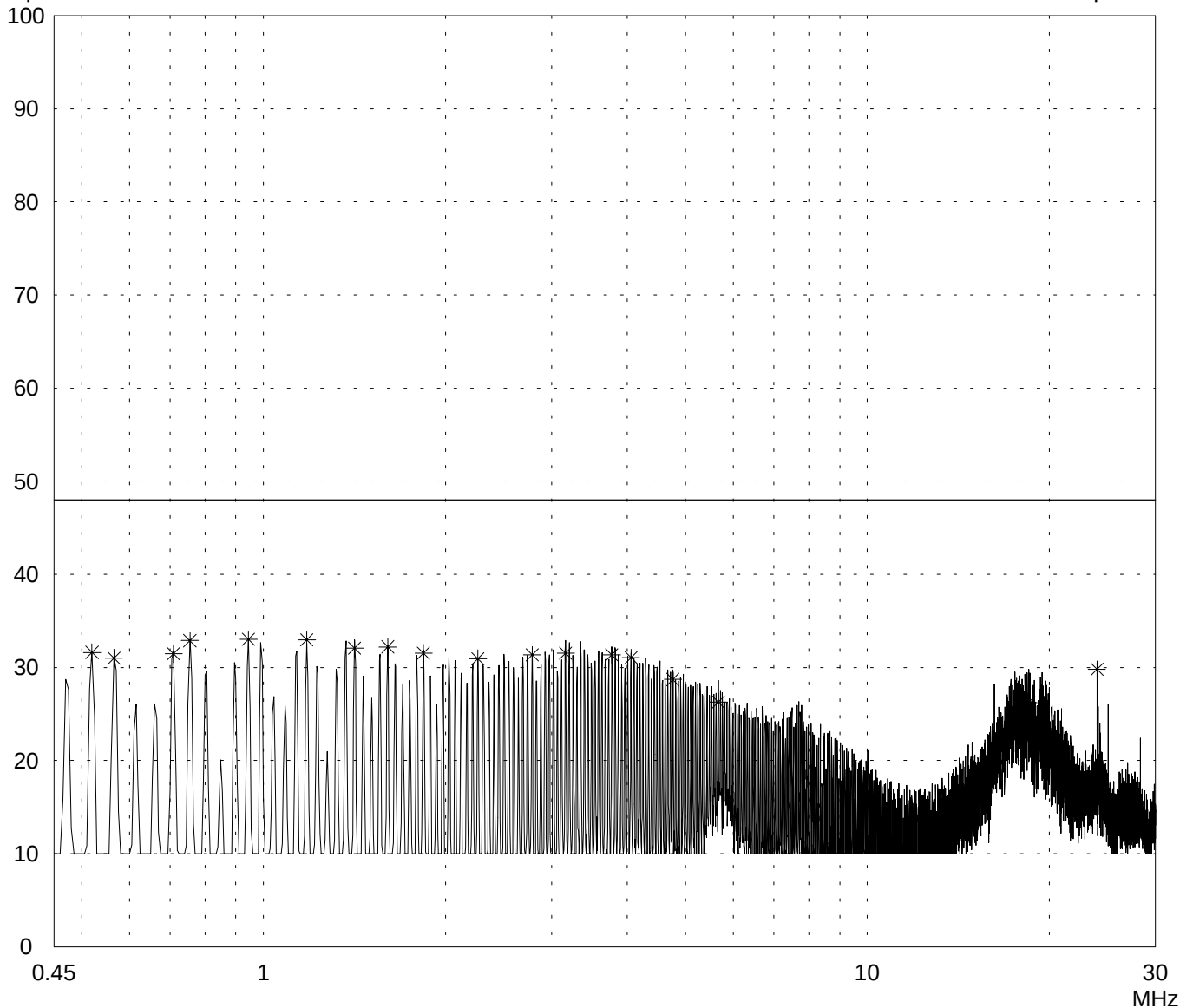
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	31.6		31.6	48.0	
0.565	31.0		31.0	48.0	
0.710	31.5		31.5	48.0	
0.755	32.9		32.9	48.0	
0.945	33.0		33.0	48.0	
1.180	33.0		33.0	48.0	
1.415	32.1		32.1	48.0	
1.605	32.2		32.2	48.0	
1.840	31.5		31.5	48.0	
2.265	31.0		31.0	48.0	
2.785	31.3		31.3	48.0	
3.165	31.5		31.5	48.0	
3.775	31.3		31.3	48.0	
4.060	31.0		31.0	48.0	
4.765	28.7		28.7	48.0	
5.665	26.3		26.3	48.0	
17.555	24.4		24.4	48.0	
18.500	26.3		26.3	48.0	
24.005	29.8		29.8	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

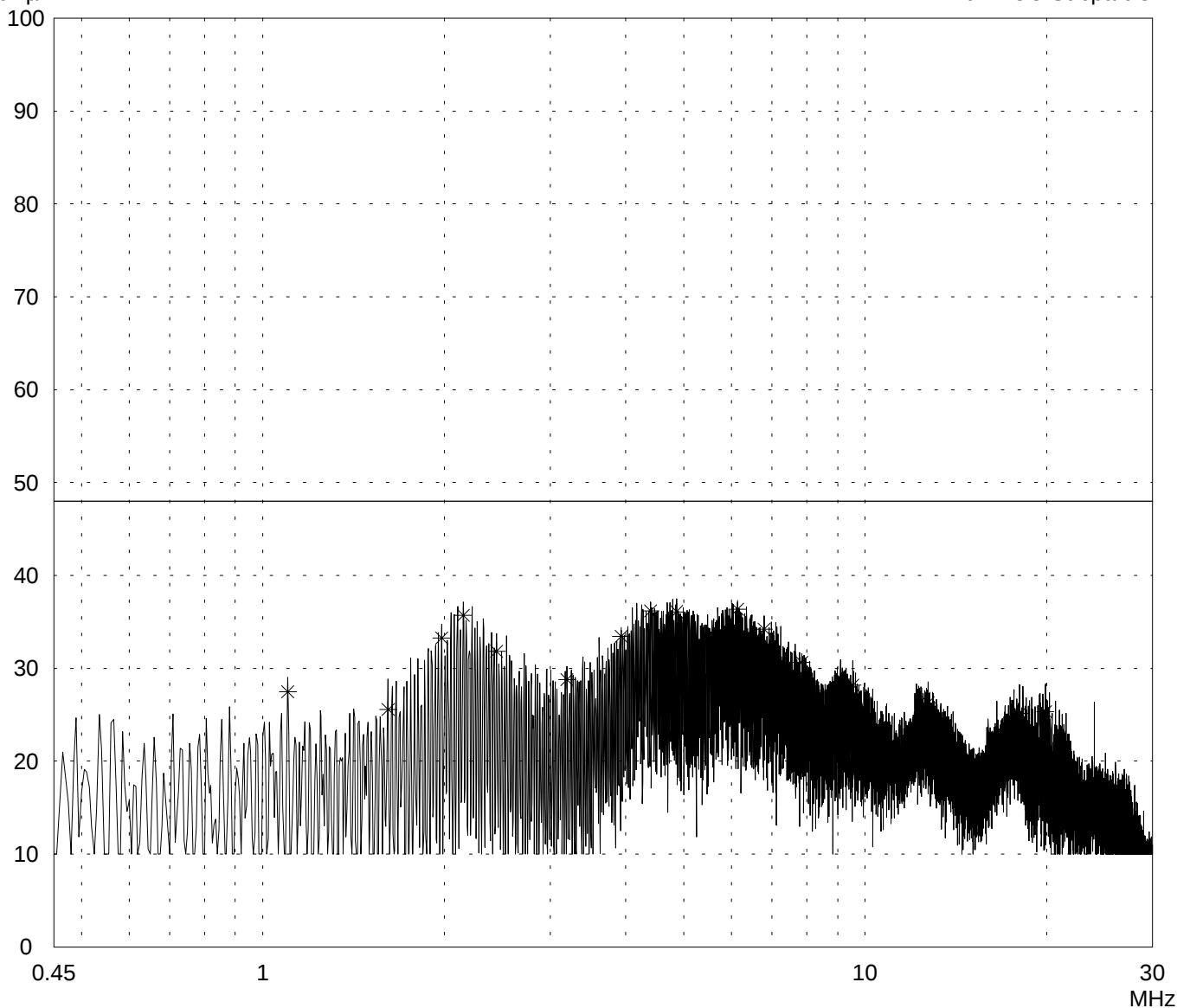
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.100	27.5		27.5	48.0	
1.615	25.5		25.5	48.0	
1.980	33.2		33.2	48.0	
2.150	35.7		35.7	48.0	
2.445	31.9		31.9	48.0	
3.200	28.8		28.8	48.0	
3.935	33.5		33.5	48.0	
4.400	36.2		36.2	48.0	
4.865	36.1		36.1	48.0	
6.135	36.4		36.4	48.0	
6.795	34.2		34.2	48.0	
7.845	30.7		30.7	48.0	
9.535	28.2		28.2	48.0	
12.710	26.3		26.3	48.0	
18.065	25.2		25.2	48.0	
19.920	25.3		25.3	48.0	

Result:

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

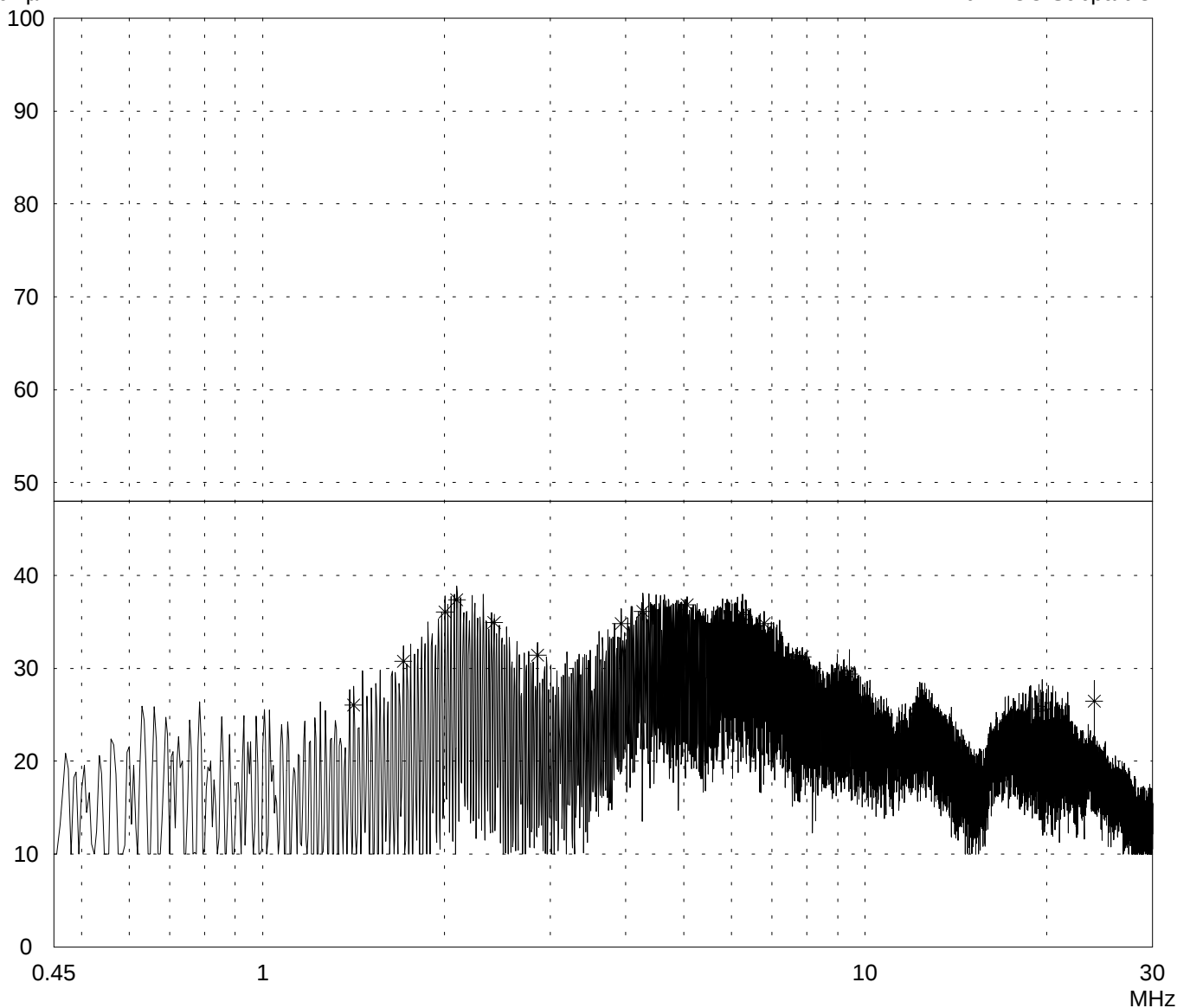
- TX mode with $f = 2.462$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.415	26.1		26.1	48.0	
1.710	30.8		30.8	48.0	
2.005	36.1		36.1	48.0	
2.100	37.4		37.4	48.0	
2.420	34.9		34.9	48.0	
2.860	31.4		31.4	48.0	
3.935	34.8		34.8	48.0	
4.275	36.1		36.1	48.0	
5.060	36.8		36.8	48.0	
6.260	35.8		35.8	48.0	
6.795	34.8		34.8	48.0	
7.870	31.2		31.2	48.0	
9.410	29.4		29.4	48.0	
12.320	25.6		25.6	48.0	
19.670	25.7		25.7	48.0	
24.005	26.5		26.5	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

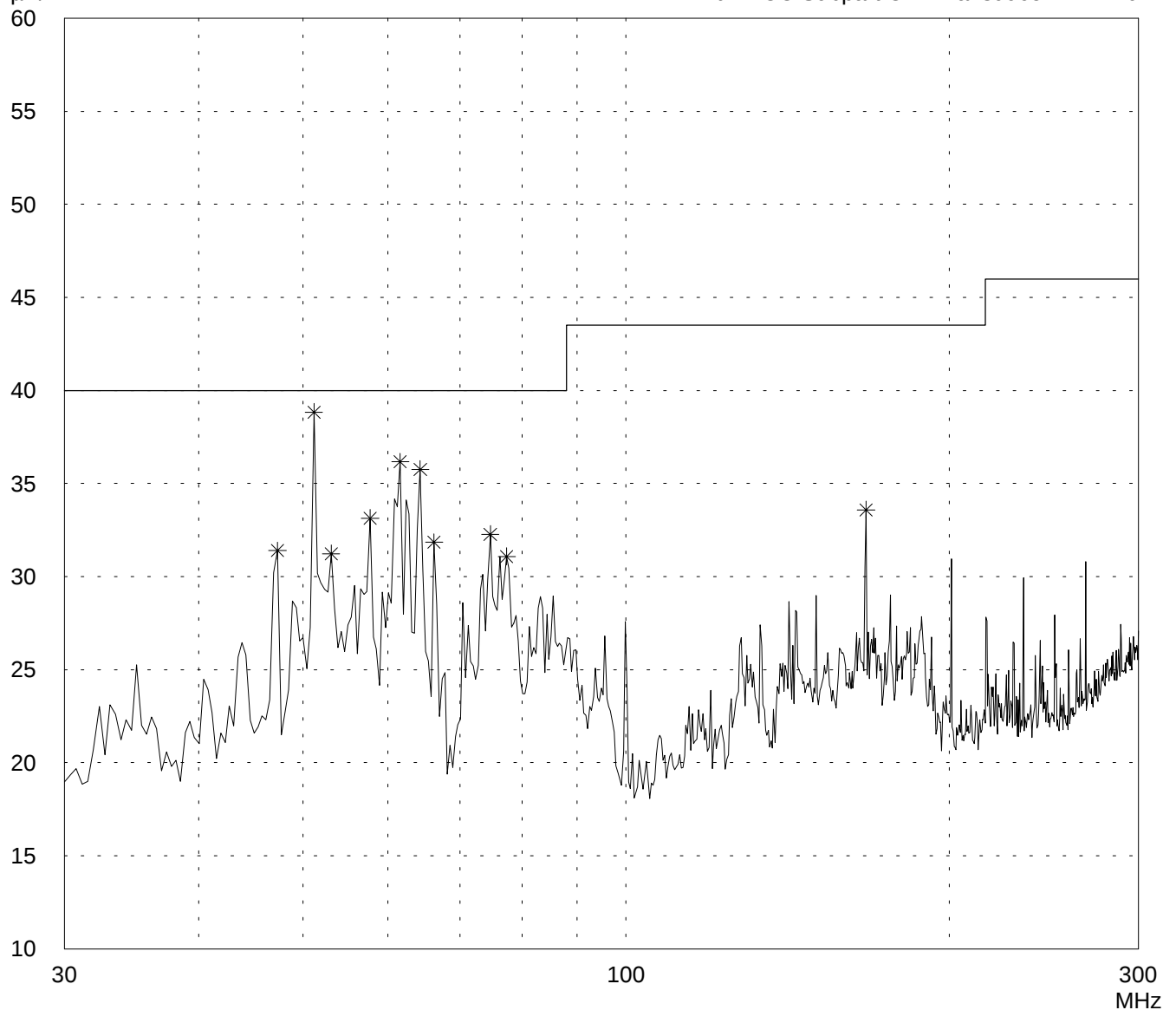
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HK 116



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector:
Peak

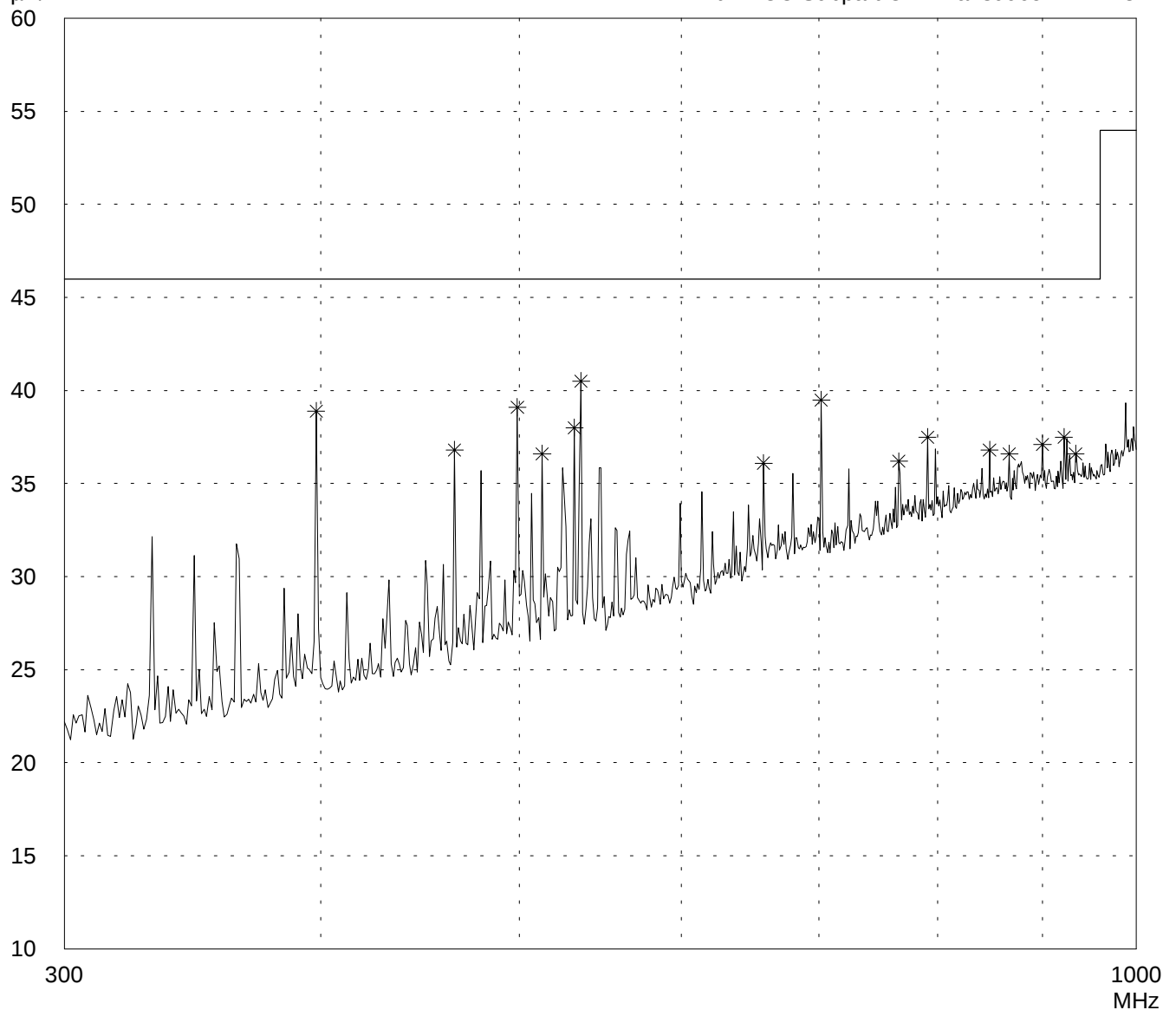
List of values:

10 dB Margin

50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HL 223



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

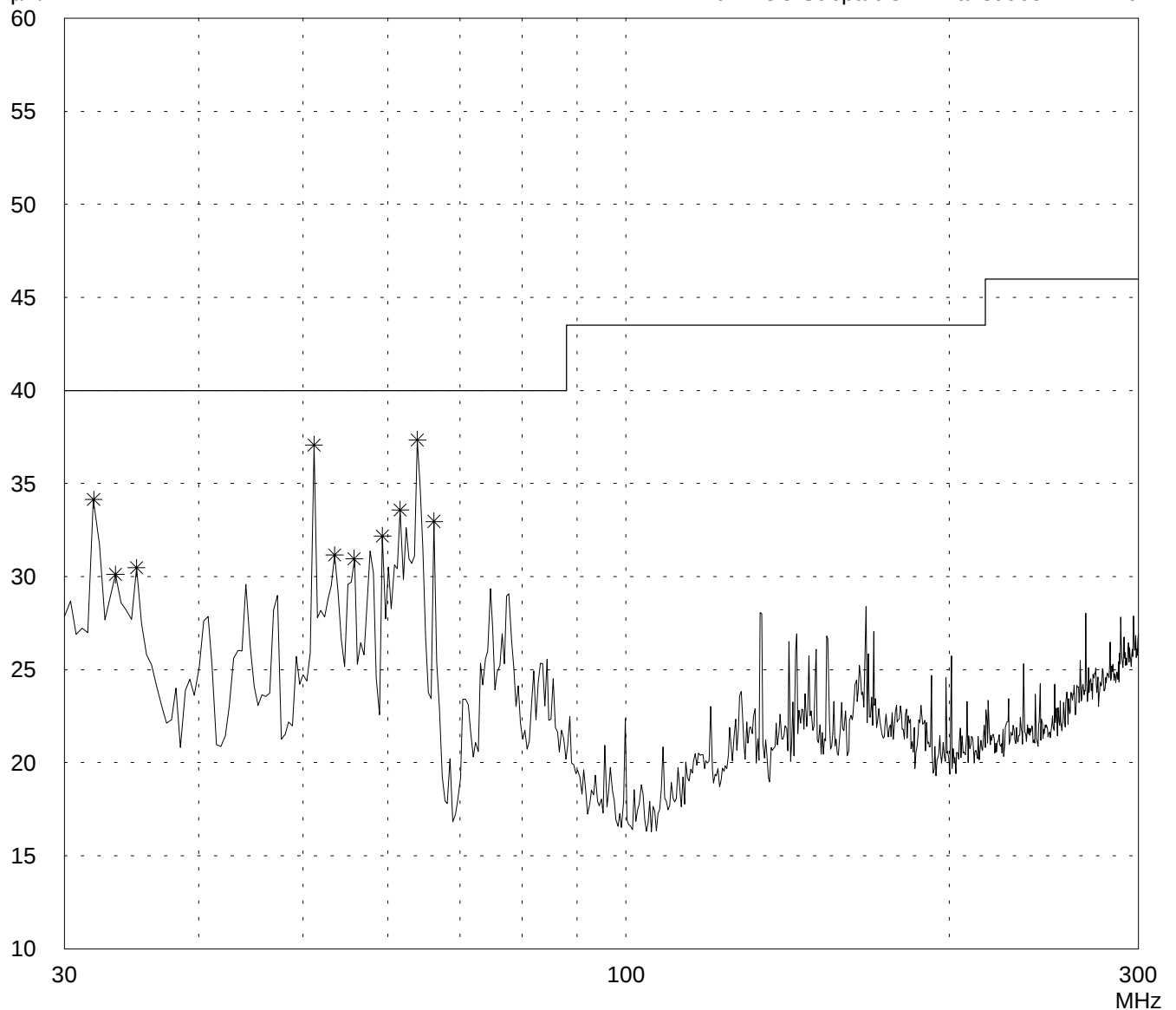
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

$\text{dB}\mu\text{V/m}$

Limit1: FCC Subpart C Transducer: HK 116



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

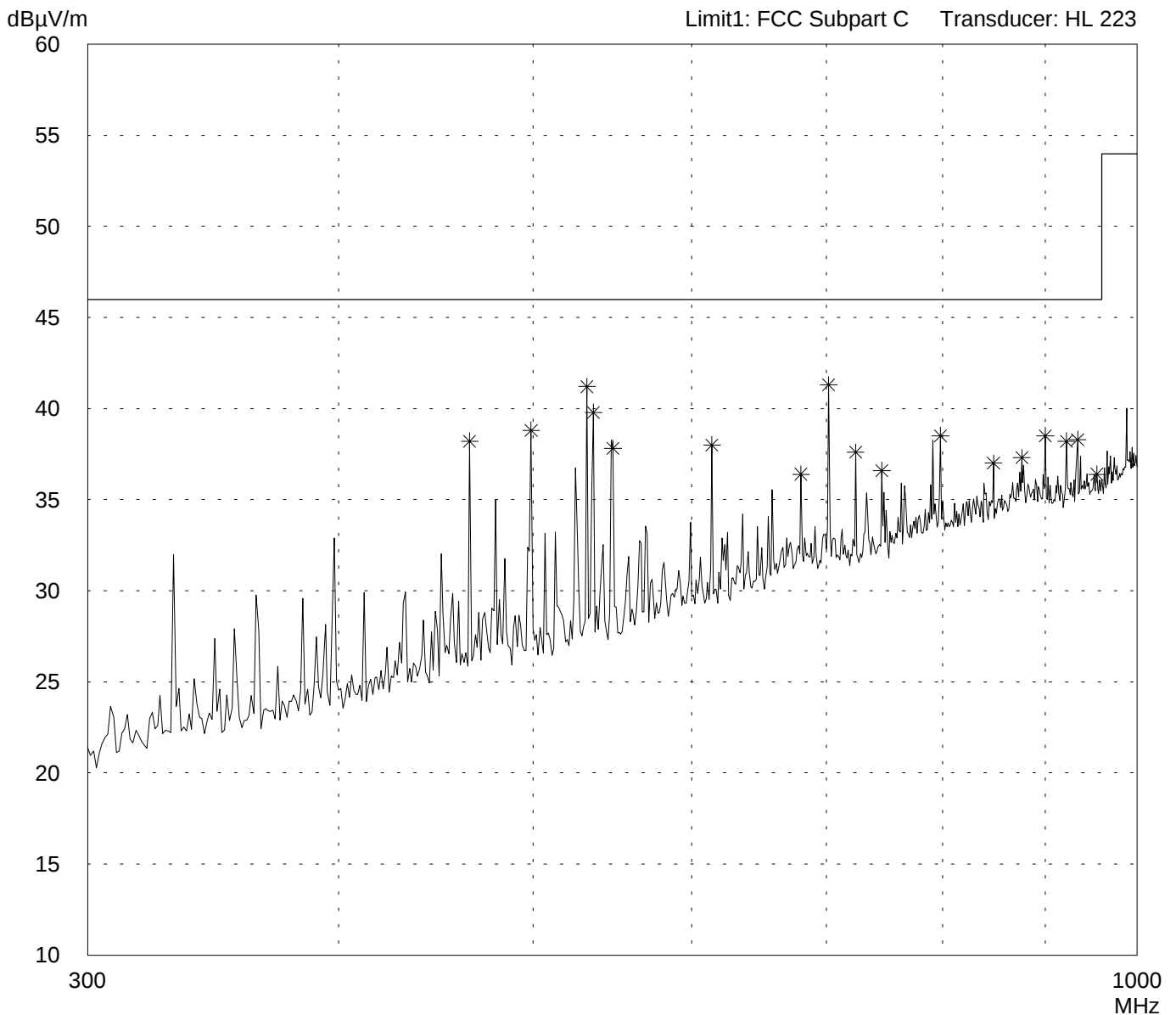
Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable
-
- operating with bit rate 11 Mbps
-
- TX mode with $f = 2.412$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

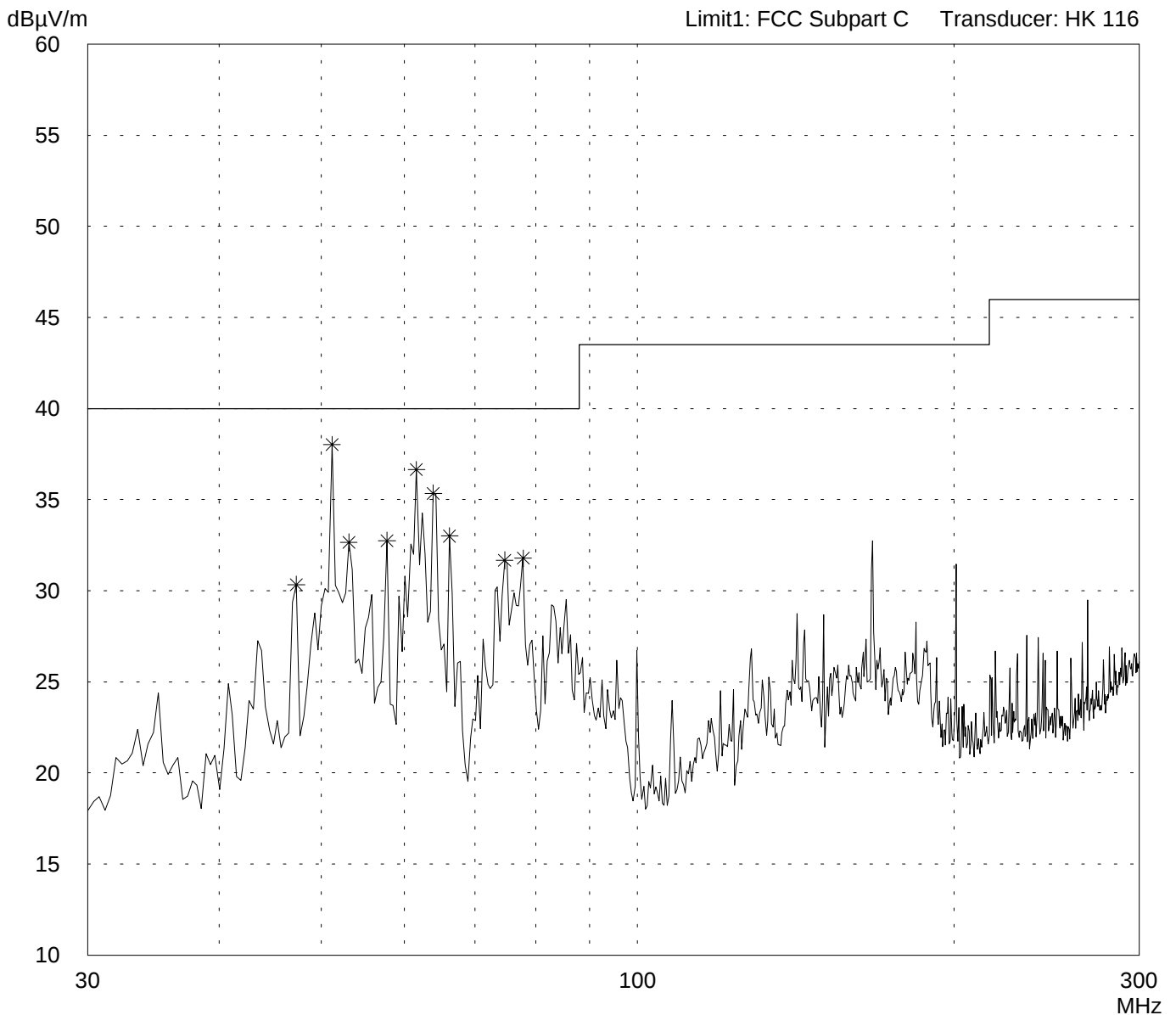
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

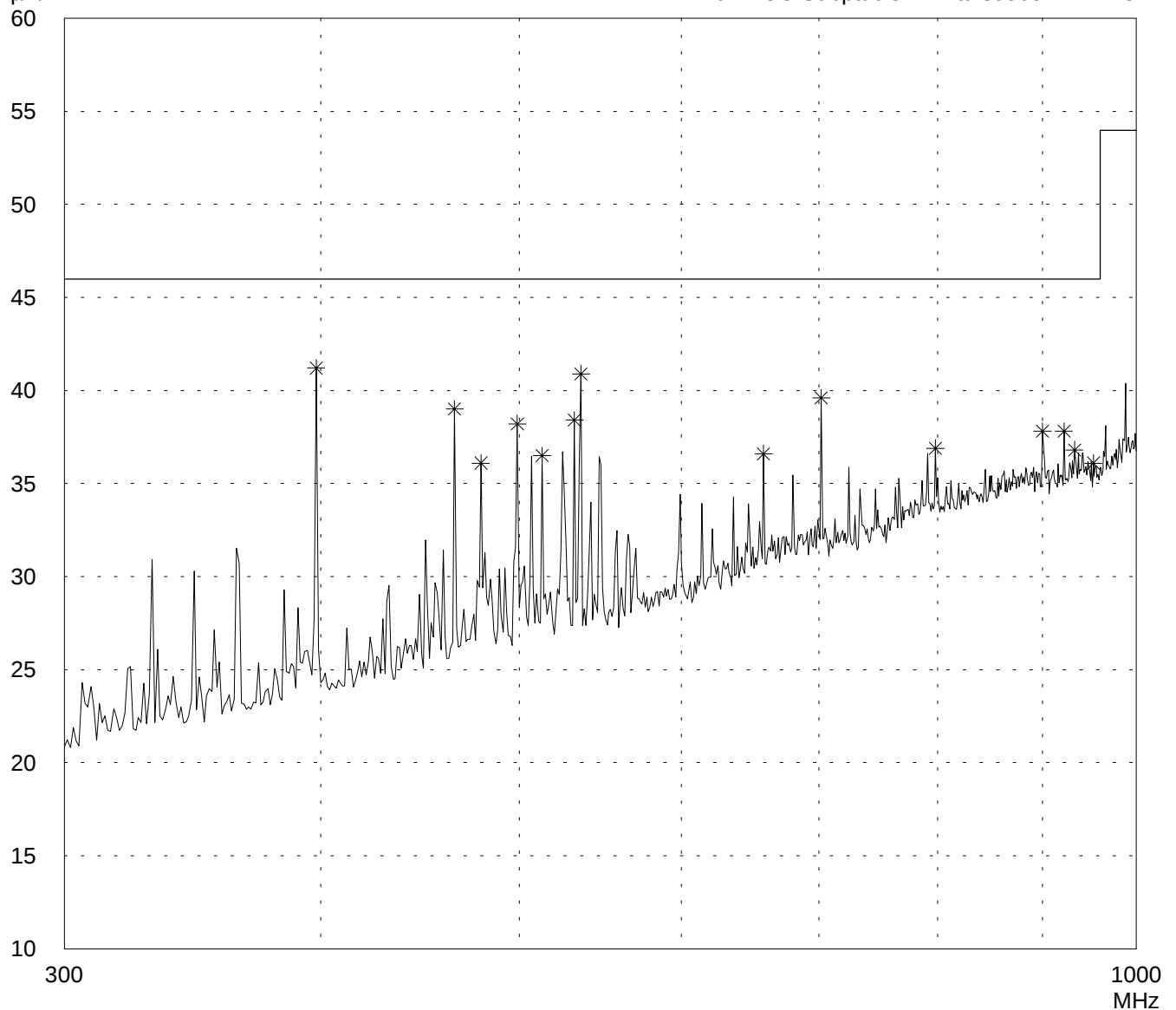
List of values:

10 dB Margin

50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HL 223



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Peak

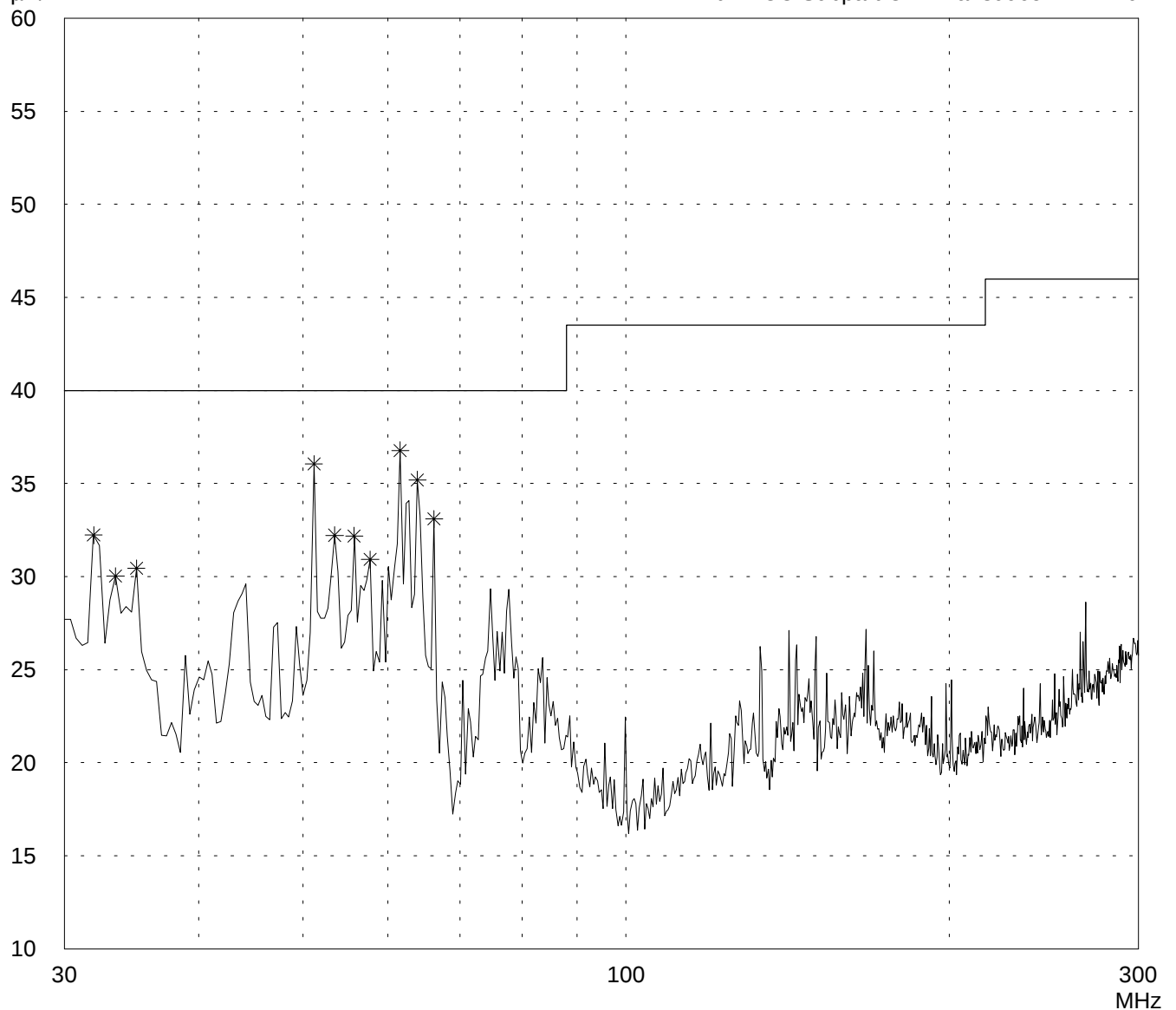
List of values:

10 dB Margin

50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HK 116



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

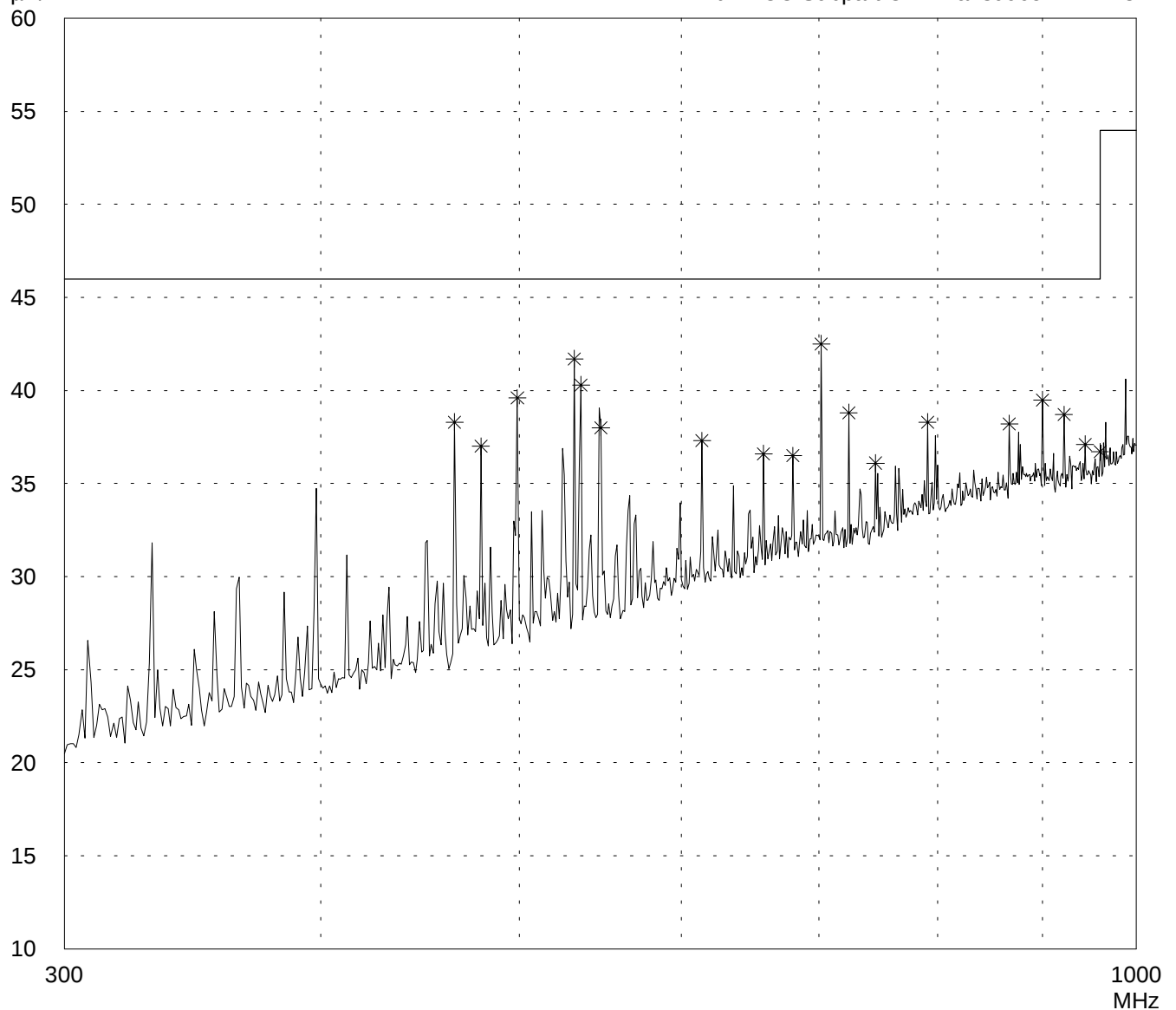
- TX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HL 223



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

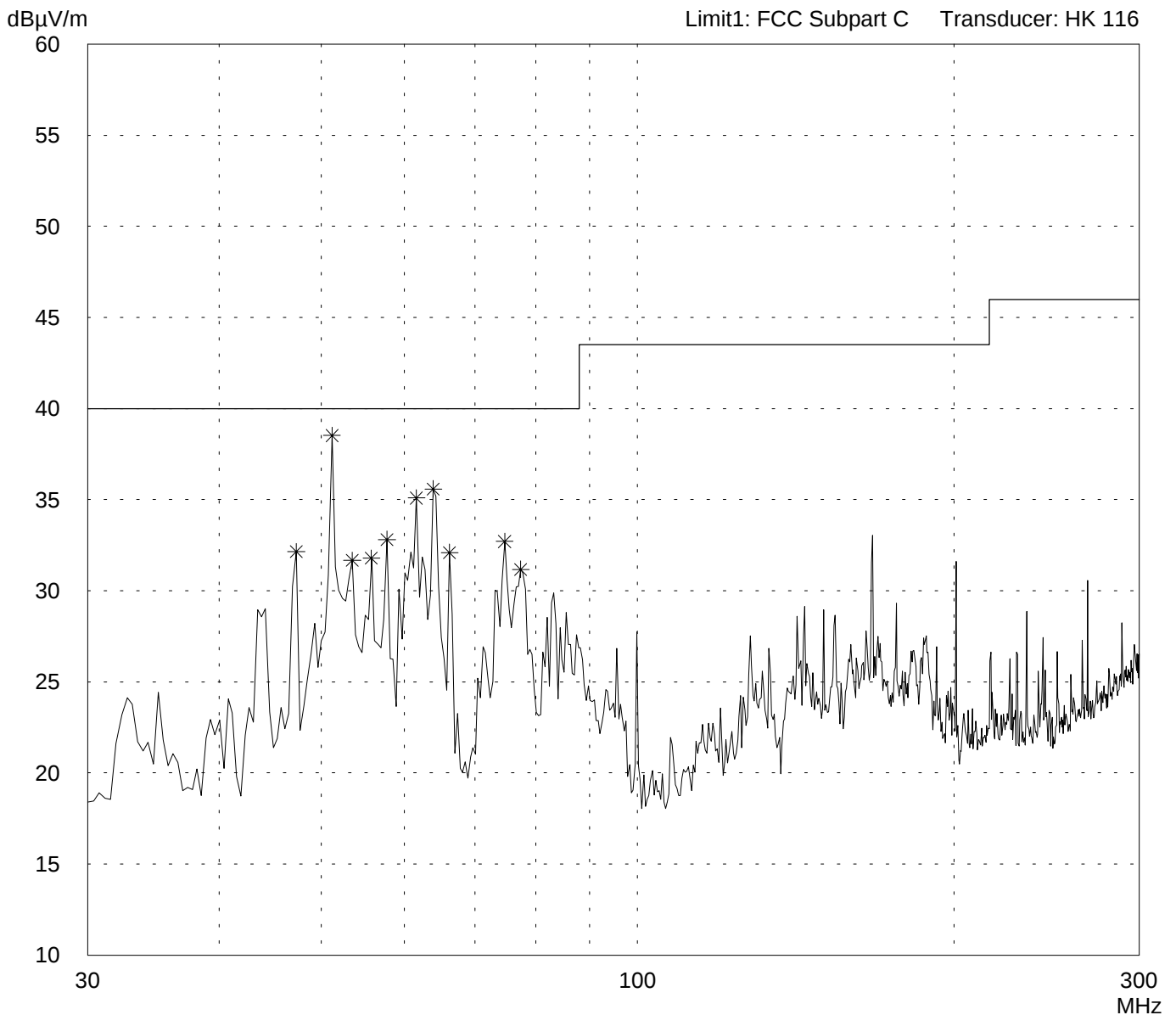
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

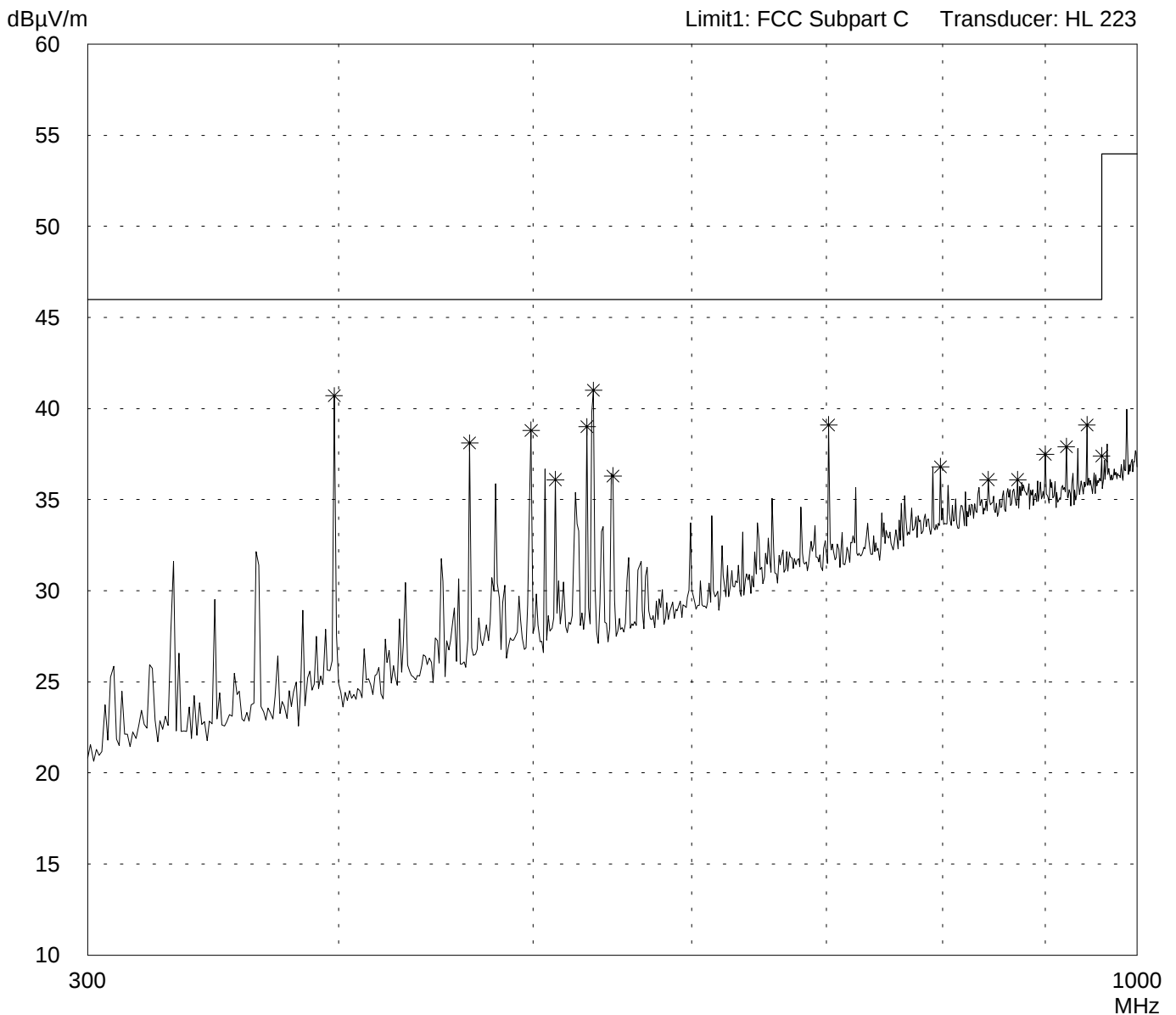
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

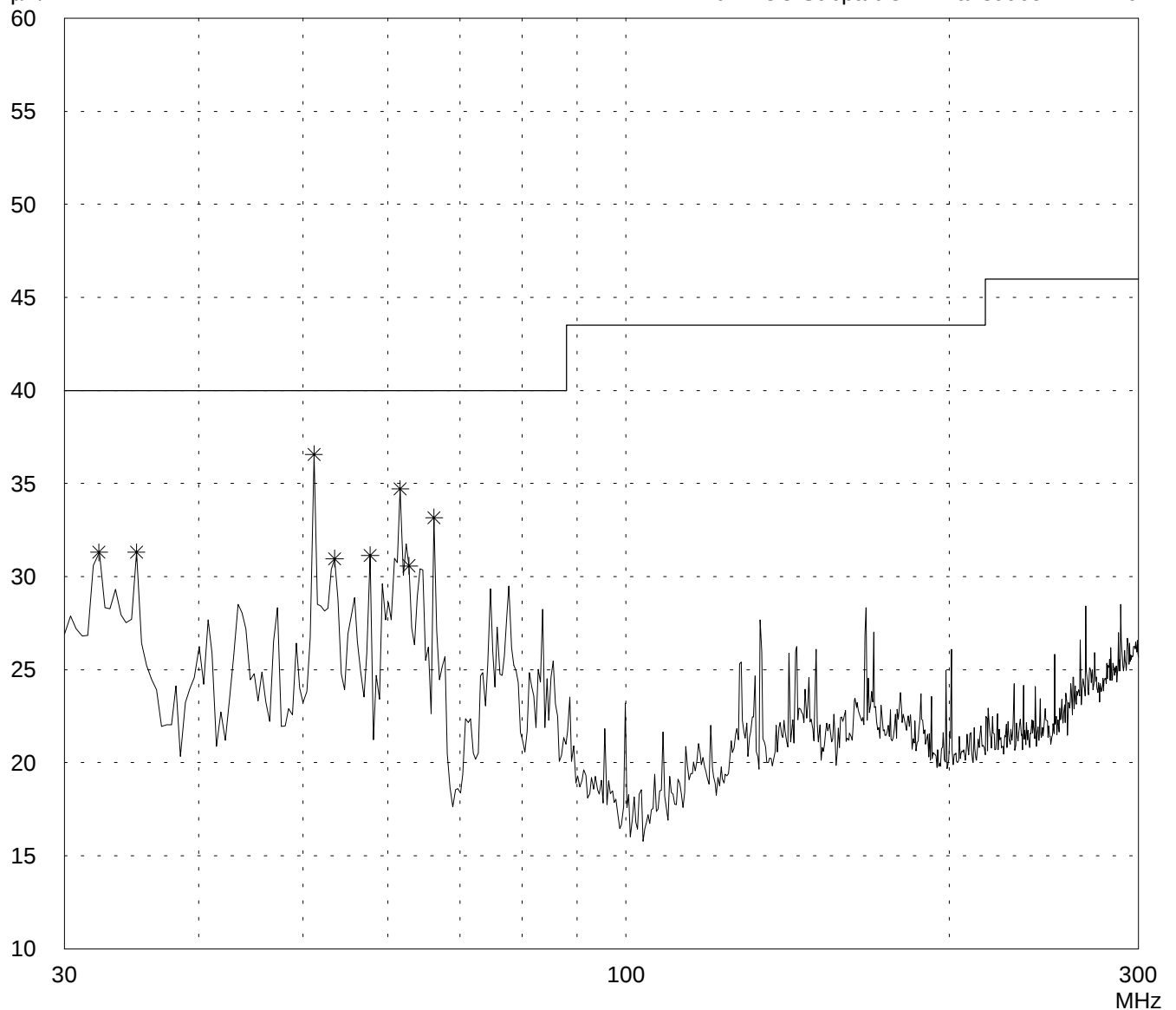
- TX mode with $f = 2.462$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HK 116



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Peak

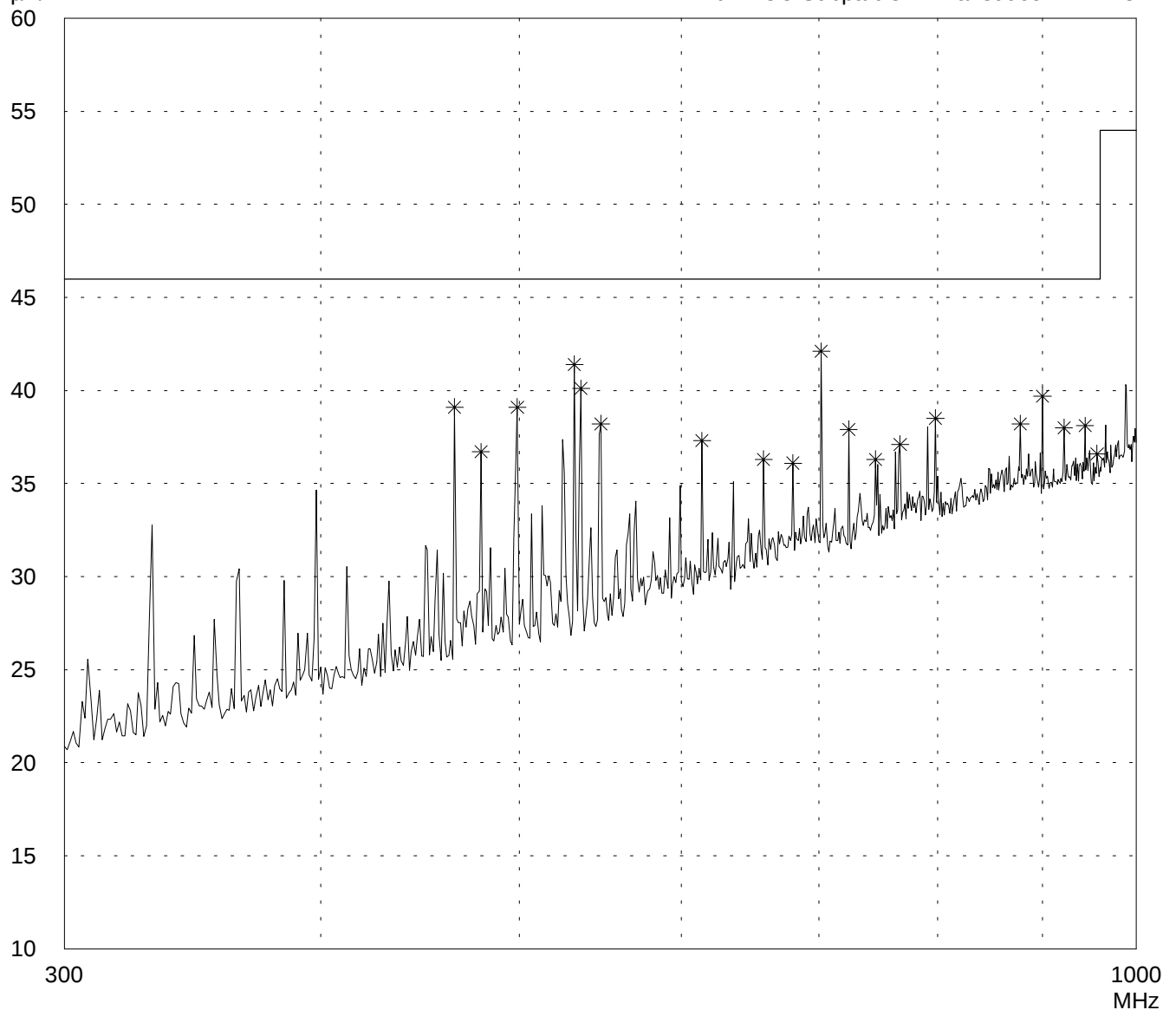
List of values:

10 dB Margin

50 Subranges

dB μ V/m

Limit1: FCC Subpart C Transducer: HL 223



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:

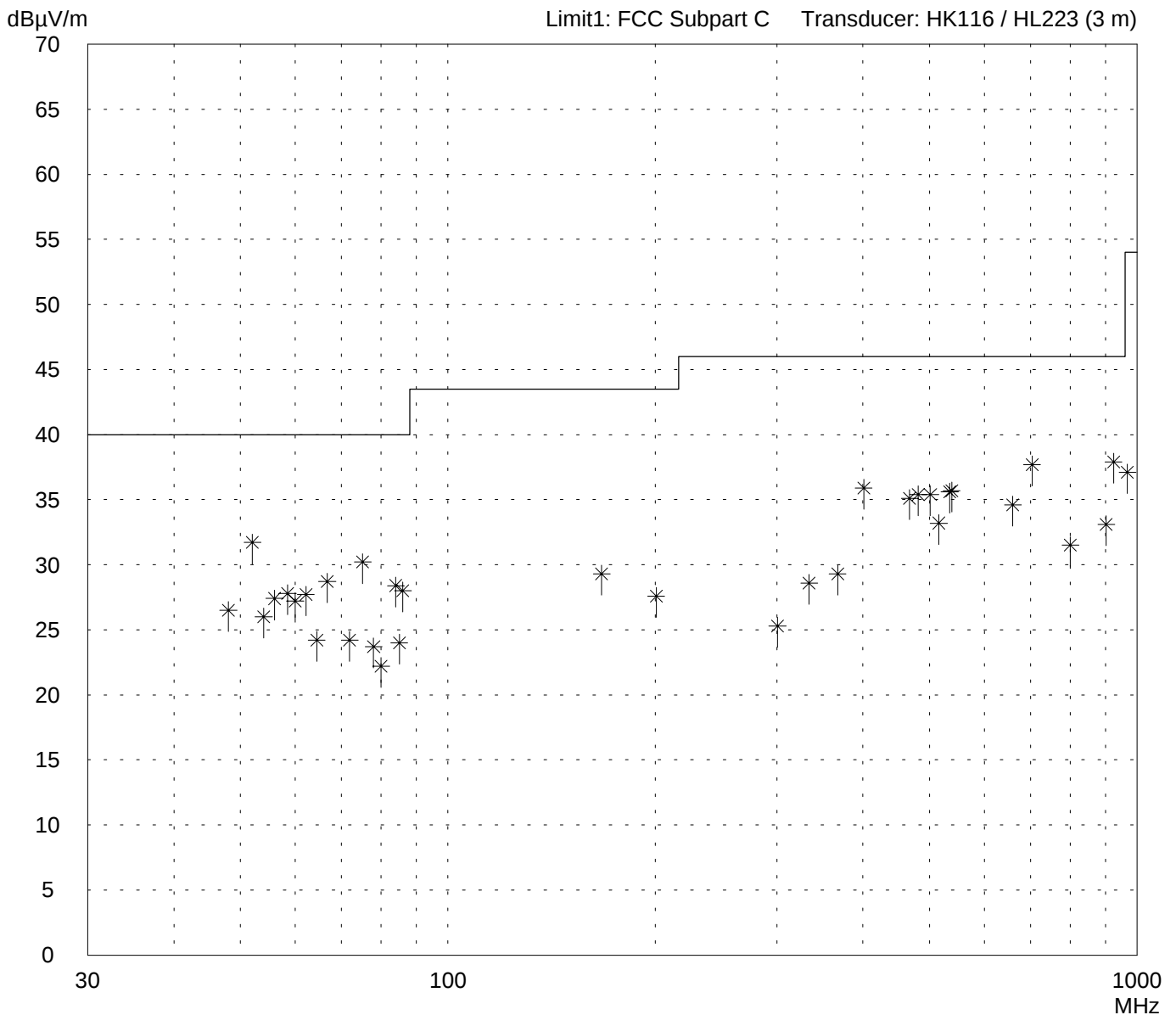
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999 Operator:
R. Heller

Test performed: by hand File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
48.0	15.5	11.0	26.5	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	15.5	10.5	26.0	40.0	
56.0	17.0	10.4	27.4	40.0	
58.5	17.5	10.3	27.8	40.0	
60.0	17.0	10.2	27.2	40.0	
62.2	17.5	10.2	27.7	40.0	
64.5	14.0	10.2	24.2	40.0	
66.8	18.5	10.2	28.7	40.0	
72.0	14.0	10.2	24.2	40.0	
75.2	20.0	10.2	30.2	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	12.0	10.2	22.2	40.0	
84.0	18.0	10.4	28.4	40.0	
85.0	13.5	10.5	24.0	40.0	
86.0	17.5	10.5	28.0	40.0	
167.1	13.5	15.8	29.3	43.5	
200.5	10.5	17.1	27.6	43.5	
300.7	8.5	16.8	25.3	46.0	
334.1	10.5	18.1	28.6	46.0	
367.5	10.0	19.3	29.3	46.0	
400.9	15.5	20.4	35.9	46.0	
467.7	13.0	22.1	35.1	46.0	
481.5	13.0	22.4	35.4	46.0	
501.2	12.5	22.9	35.4	46.0	
515.5	10.0	23.2	33.2	46.0	
534.6	12.0	23.6	35.6	46.0	
538.1	12.0	23.7	35.7	46.0	
660.0	8.0	26.6	34.6	46.0	
704.0	10.0	27.7	37.7	46.0	
800.0	3.0	28.5	31.5	46.0	
902.0	2.5	30.6	33.1	46.0	
924.0	7.0	30.9	37.9	46.0	
968.0	5.5	31.6	37.1	54.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

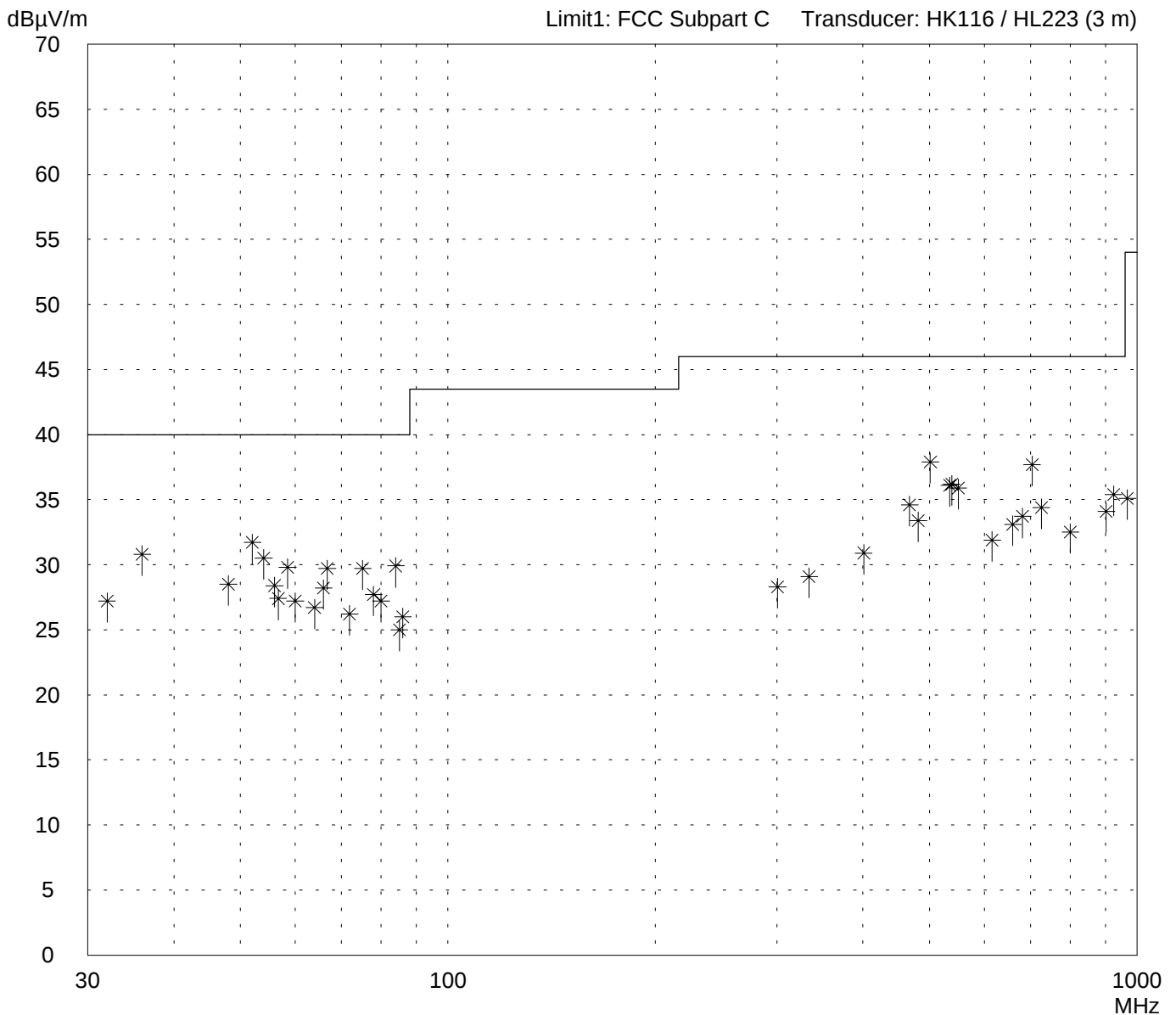
Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
32.0	13.0	14.2	27.2	40.0	
36.0	17.5	13.3	30.8	40.0	
48.0	17.5	11.0	28.5	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	20.0	10.5	30.5	40.0	
56.0	18.0	10.4	28.4	40.0	
56.7	17.0	10.4	27.4	40.0	
58.5	19.5	10.3	29.8	40.0	
60.0	17.0	10.2	27.2	40.0	
64.0	16.5	10.2	26.7	40.0	
66.0	18.0	10.2	28.2	40.0	
66.8	19.5	10.2	29.7	40.0	
72.0	16.0	10.2	26.2	40.0	
75.2	19.5	10.2	29.7	40.0	
78.0	17.5	10.2	27.7	40.0	
80.0	17.0	10.2	27.2	40.0	
84.0	19.5	10.4	29.9	40.0	
85.0	14.5	10.5	25.0	40.0	
86.0	15.5	10.5	26.0	40.0	
300.7	11.5	16.8	28.3	46.0	
334.1	11.0	18.1	29.1	46.0	
400.9	10.5	20.4	30.9	46.0	
467.7	12.5	22.1	34.6	46.0	
481.5	11.0	22.4	33.4	46.0	
501.2	15.0	22.9	37.9	46.0	
534.6	12.5	23.6	36.1	46.0	
538.1	12.5	23.7	36.2	46.0	
550.0	12.0	23.9	35.9	46.0	
616.0	6.5	25.4	31.9	46.0	
660.0	6.5	26.6	33.1	46.0	
682.0	6.5	27.2	33.7	46.0	
704.0	10.0	27.7	37.7	46.0	
726.0	6.5	27.9	34.4	46.0	
800.0	4.0	28.5	32.5	46.0	
902.0	3.5	30.6	34.1	46.0	
924.0	4.5	30.9	35.4	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8) - FCC test setup - supply voltage 115 V AC - with external antenna AOU24-OD-77 (Maxrad) - with 50 ft antenna cable - operating with bit rate 11 Mbps - TX mode with $f = 2.412$ GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 04/12/1999	
Test performed: by hand	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
968.0	3.5	31.6	35.1	54.0	

Result: Limit kept	Project file: 56305-90204-1	Page 220 of 267 Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:

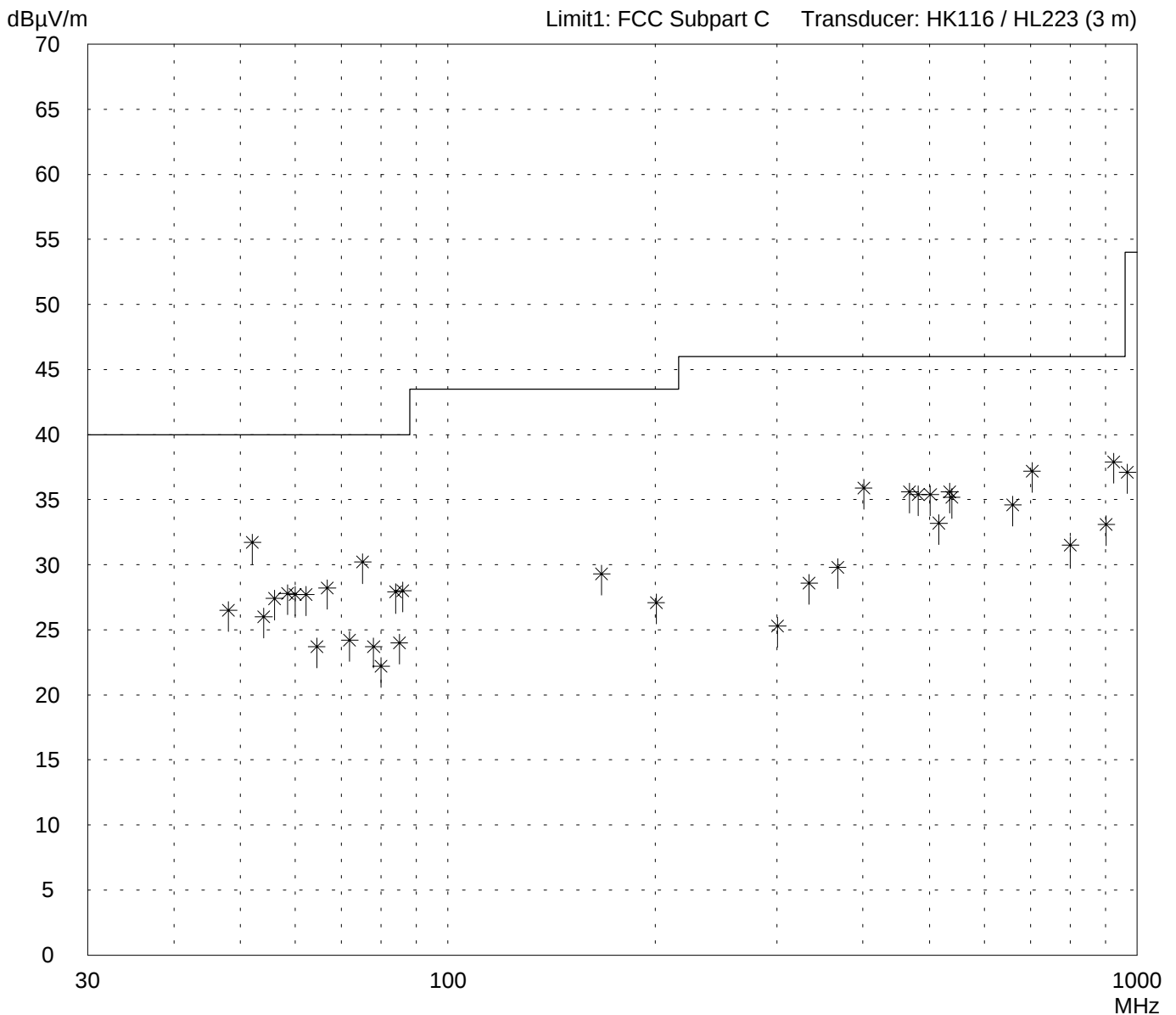
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
48.0	15.5	11.0	26.5	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	15.5	10.5	26.0	40.0	
56.0	17.0	10.4	27.4	40.0	
58.5	17.5	10.3	27.8	40.0	
60.0	17.5	10.2	27.7	40.0	
62.2	17.5	10.2	27.7	40.0	
64.5	13.5	10.2	23.7	40.0	
66.8	18.0	10.2	28.2	40.0	
72.0	14.0	10.2	24.2	40.0	
75.2	20.0	10.2	30.2	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	12.0	10.2	22.2	40.0	
84.0	17.5	10.4	27.9	40.0	
85.0	13.5	10.5	24.0	40.0	
86.0	17.5	10.5	28.0	40.0	
167.1	13.5	15.8	29.3	43.5	
200.5	10.0	17.1	27.1	43.5	
300.7	8.5	16.8	25.3	46.0	
334.1	10.5	18.1	28.6	46.0	
367.5	10.5	19.3	29.8	46.0	
400.9	15.5	20.4	35.9	46.0	
467.7	13.5	22.1	35.6	46.0	
481.5	13.0	22.4	35.4	46.0	
501.2	12.5	22.9	35.4	46.0	
515.5	10.0	23.2	33.2	46.0	
534.6	12.0	23.6	35.6	46.0	
538.1	11.5	23.7	35.2	46.0	
660.0	8.0	26.6	34.6	46.0	
704.0	9.5	27.7	37.2	46.0	
800.0	3.0	28.5	31.5	46.0	
902.0	2.5	30.6	33.1	46.0	
924.0	7.0	30.9	37.9	46.0	
968.0	5.5	31.6	37.1	54.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:

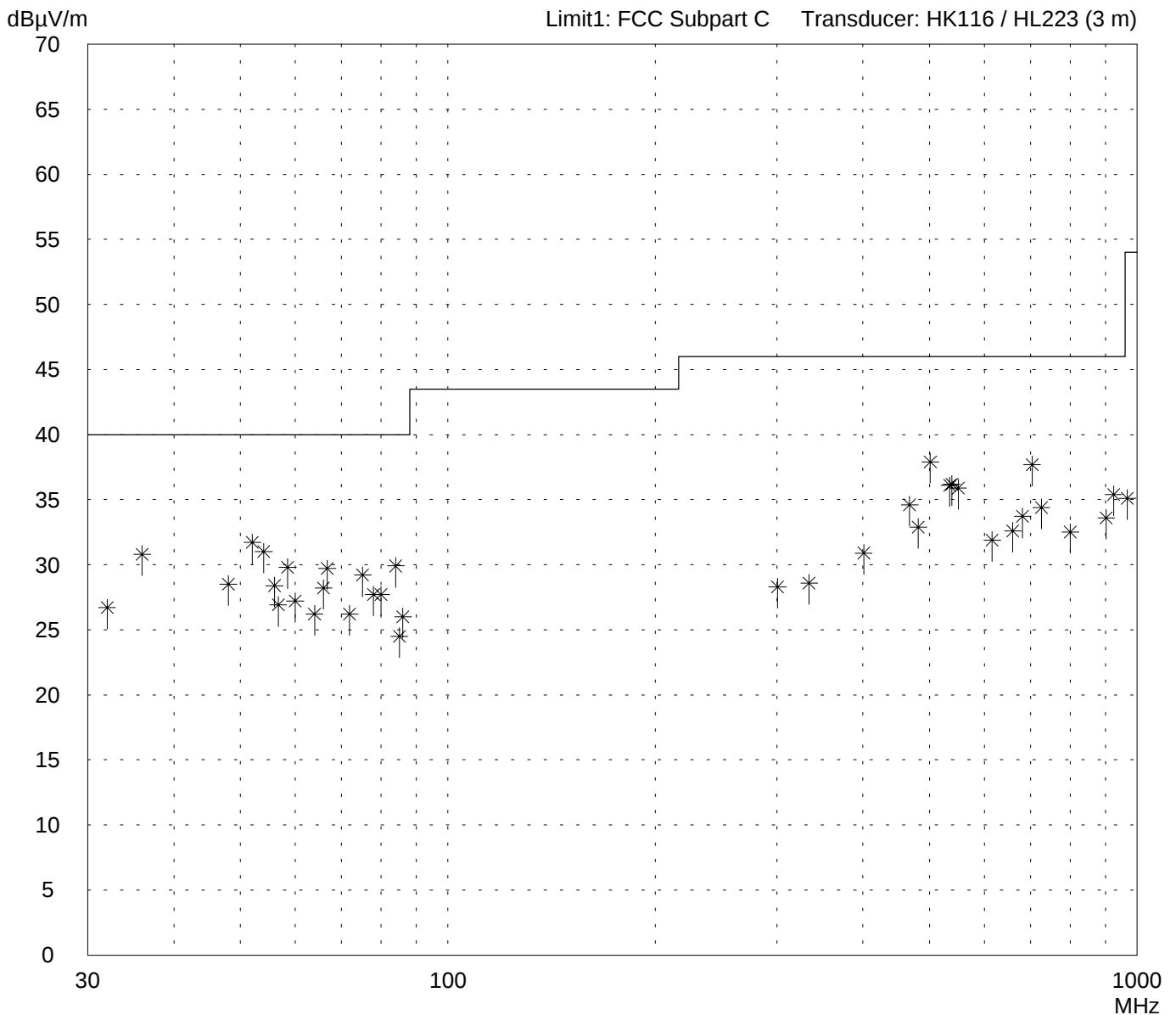
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
32.0	12.5	14.2	26.7	40.0	
36.0	17.5	13.3	30.8	40.0	
48.0	17.5	11.0	28.5	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	20.5	10.5	31.0	40.0	
56.0	18.0	10.4	28.4	40.0	
56.7	16.5	10.4	26.9	40.0	
58.5	19.5	10.3	29.8	40.0	
60.0	17.0	10.2	27.2	40.0	
64.0	16.0	10.2	26.2	40.0	
66.0	18.0	10.2	28.2	40.0	
66.8	19.5	10.2	29.7	40.0	
72.0	16.0	10.2	26.2	40.0	
75.2	19.0	10.2	29.2	40.0	
78.0	17.5	10.2	27.7	40.0	
80.0	17.5	10.2	27.7	40.0	
84.0	19.5	10.4	29.9	40.0	
85.0	14.0	10.5	24.5	40.0	
86.0	15.5	10.5	26.0	40.0	
300.7	11.5	16.8	28.3	46.0	
334.1	10.5	18.1	28.6	46.0	
400.9	10.5	20.4	30.9	46.0	
467.7	12.5	22.1	34.6	46.0	
481.5	10.5	22.4	32.9	46.0	
501.2	15.0	22.9	37.9	46.0	
534.6	12.5	23.6	36.1	46.0	
538.1	12.5	23.7	36.2	46.0	
550.0	12.0	23.9	35.9	46.0	
616.0	6.5	25.4	31.9	46.0	
660.0	6.0	26.6	32.6	46.0	
682.0	6.5	27.2	33.7	46.0	
704.0	10.0	27.7	37.7	46.0	
726.0	6.5	27.9	34.4	46.0	
800.0	4.0	28.5	32.5	46.0	
902.0	3.0	30.6	33.6	46.0	
924.0	4.5	30.9	35.4	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8) - FCC test setup - supply voltage 115 V AC - with external antenna AOU24-OD-77 (Maxrad) - with 50 ft antenna cable - operating with bit rate 11 Mbps - TX mode with $f = 2.442$ GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 04/12/1999	
Test performed: by hand	File name:

Detector: Quasi-Peak	List of values: Selected by hand
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<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
968.0	3.5	31.6	35.1	54.0	

Result: Limit kept	Project file: 56305-90204-1	Page 225 of 267 Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999 Operator:
R. Heller

Test performed: by hand File name:

Mode:

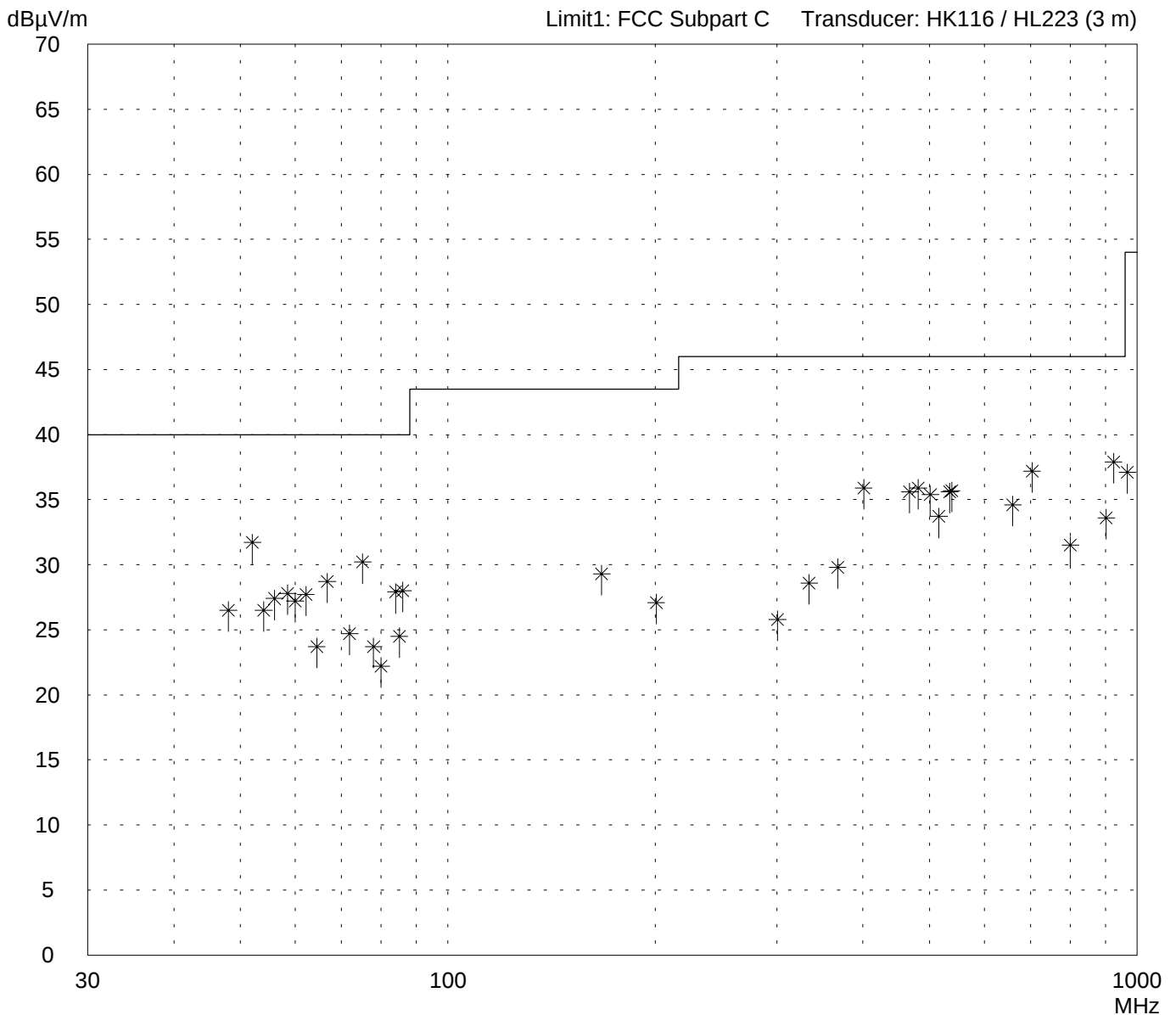
- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999 Operator:
R. Heller

Test performed: by hand File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
48.0	15.5	11.0	26.5	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	16.0	10.5	26.5	40.0	
56.0	17.0	10.4	27.4	40.0	
58.5	17.5	10.3	27.8	40.0	
60.0	17.0	10.2	27.2	40.0	
62.2	17.5	10.2	27.7	40.0	
64.5	13.5	10.2	23.7	40.0	
66.8	18.5	10.2	28.7	40.0	
72.0	14.5	10.2	24.7	40.0	
75.2	20.0	10.2	30.2	40.0	
78.0	13.5	10.2	23.7	40.0	
80.0	12.0	10.2	22.2	40.0	
84.0	17.5	10.4	27.9	40.0	
85.0	14.0	10.5	24.5	40.0	
86.0	17.5	10.5	28.0	40.0	
167.1	13.5	15.8	29.3	43.5	
200.5	10.0	17.1	27.1	43.5	
300.7	9.0	16.8	25.8	46.0	
334.1	10.5	18.1	28.6	46.0	
367.5	10.5	19.3	29.8	46.0	
400.9	15.5	20.4	35.9	46.0	
467.7	13.5	22.1	35.6	46.0	
481.5	13.5	22.4	35.9	46.0	
501.2	12.5	22.9	35.4	46.0	
515.5	10.5	23.2	33.7	46.0	
534.6	12.0	23.6	35.6	46.0	
538.1	12.0	23.7	35.7	46.0	
660.0	8.0	26.6	34.6	46.0	
704.0	9.5	27.7	37.2	46.0	
800.0	3.0	28.5	31.5	46.0	
902.0	3.0	30.6	33.6	46.0	
924.0	7.0	30.9	37.9	46.0	
968.0	5.5	31.6	37.1	54.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

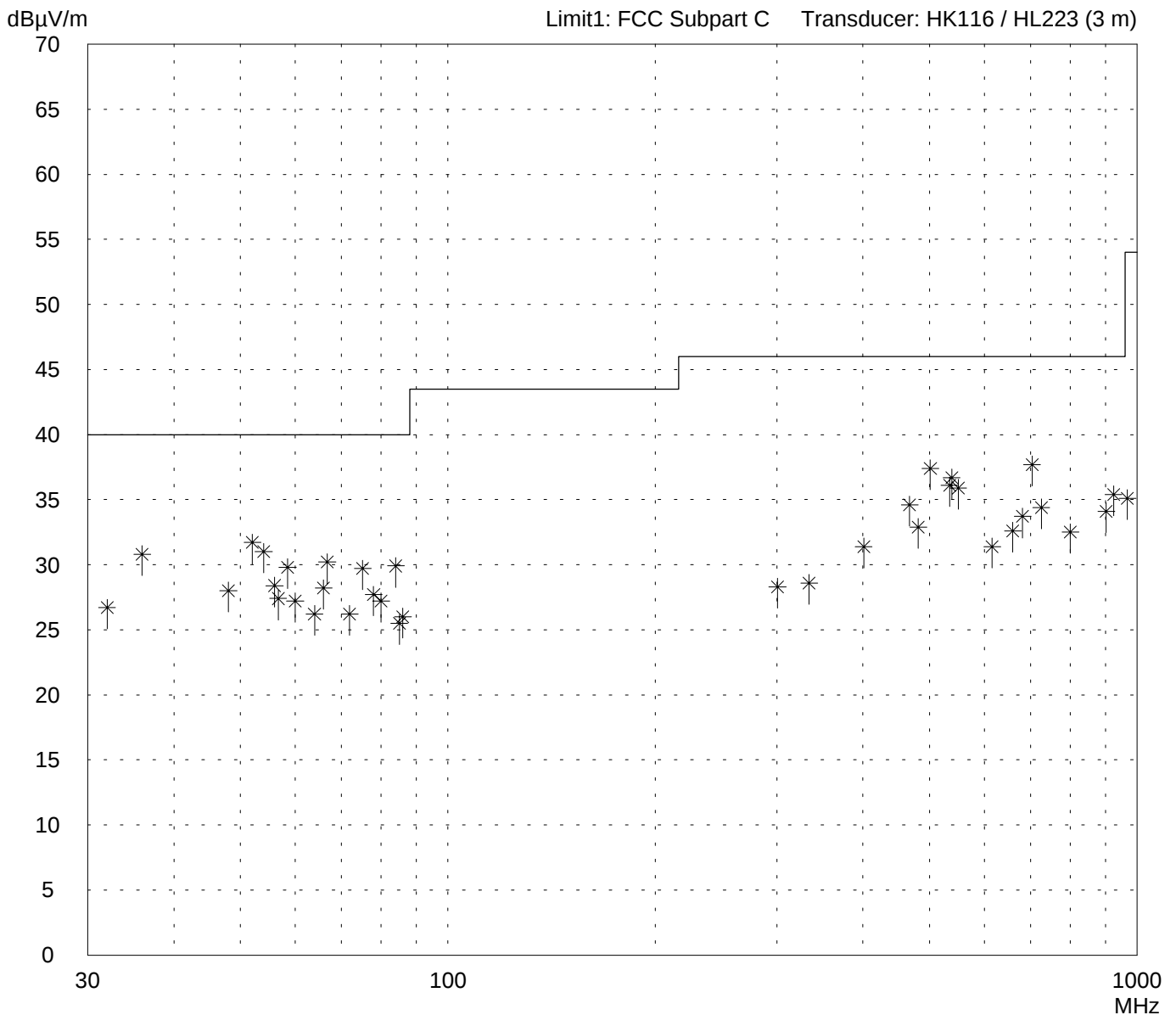
Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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 dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
32.0	12.5	14.2	26.7	40.0	
36.0	17.5	13.3	30.8	40.0	
48.0	17.0	11.0	28.0	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	20.5	10.5	31.0	40.0	
56.0	18.0	10.4	28.4	40.0	
56.7	17.0	10.4	27.4	40.0	
58.5	19.5	10.3	29.8	40.0	
60.0	17.0	10.2	27.2	40.0	
64.0	16.0	10.2	26.2	40.0	
66.0	18.0	10.2	28.2	40.0	
66.8	20.0	10.2	30.2	40.0	
72.0	16.0	10.2	26.2	40.0	
75.2	19.5	10.2	29.7	40.0	
78.0	17.5	10.2	27.7	40.0	
80.0	17.0	10.2	27.2	40.0	
84.0	19.5	10.4	29.9	40.0	
85.0	15.0	10.5	25.5	40.0	
86.0	15.5	10.5	26.0	40.0	
300.7	11.5	16.8	28.3	46.0	
334.1	10.5	18.1	28.6	46.0	
400.9	11.0	20.4	31.4	46.0	
467.7	12.5	22.1	34.6	46.0	
481.5	10.5	22.4	32.9	46.0	
501.2	14.5	22.9	37.4	46.0	
534.6	12.5	23.6	36.1	46.0	
538.1	13.0	23.7	36.7	46.0	
550.0	12.0	23.9	35.9	46.0	
616.0	6.0	25.4	31.4	46.0	
660.0	6.0	26.6	32.6	46.0	
682.0	6.5	27.2	33.7	46.0	
704.0	10.0	27.7	37.7	46.0	
726.0	6.5	27.9	34.4	46.0	
800.0	4.0	28.5	32.5	46.0	
902.0	3.5	30.6	34.1	46.0	
924.0	4.5	30.9	35.4	46.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC	Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8) - FCC test setup - supply voltage 115 V AC - with external antenna AOU24-OD-77 (Maxrad) - with 50 ft antenna cable - operating with bit rate 11 Mbps - TX mode with $f = 2.462$ GHz
Serial no.: 90990005	
Applicant: Lucent Technologies Nederland B.V.	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 04/12/1999	
Test performed: by hand	File name:

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
968.0	3.5	31.6	35.1	54.0	

Result: Limit kept	Project file: 56305-90204-1	Page 230 of 267 Pages
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Radiated Emission 1 GHz - 25 GHz according to FCC Part 15 Subpart C

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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	57.0		0.6	20.7	57.0	74
2.3977	vertical	73.8		0.6	20.7	73.8	NRB
2.3978	vertical	74.8		0.6	20.7	74.8	NRB
2.4000	vertical	72.4		0.6	20.7	72.4	NRB
2.4150	vertical	106.1		0.6	20.7	106.1	OB
2.4235	vertical	73.3		0.6	20.7	73.3	OB
4.8303	vertical	43.6	-91.0		27.3	43.3	74
7.2365	horizontal	39.8	-95.9		29.9	41.0	NRB
8.2513	vertical	41.2	-98.5		33.4	41.9	74
9.6467	vertical	43.8	-95.7		33.4	44.7	NRB

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 106.1 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

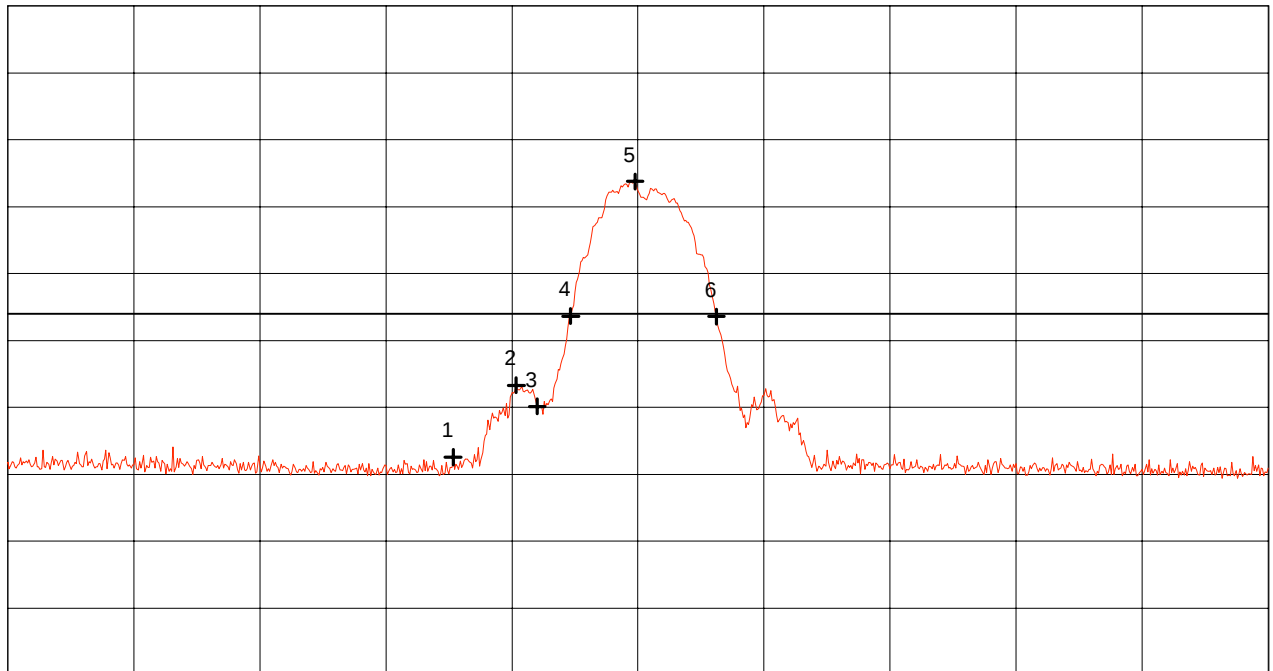
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	52.54 dB μ V/m
Nr.2	2.397500 GHz	63.31 dB μ V/m
Nr.3	2.400000 GHz	60.13 dB μ V/m
Nr.4	2.404000 GHz	73.64 dB μ V/m
Nr.5	2.411667 GHz	93.78 dB μ V/m
Nr.6	2.421333 GHz	73.59 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

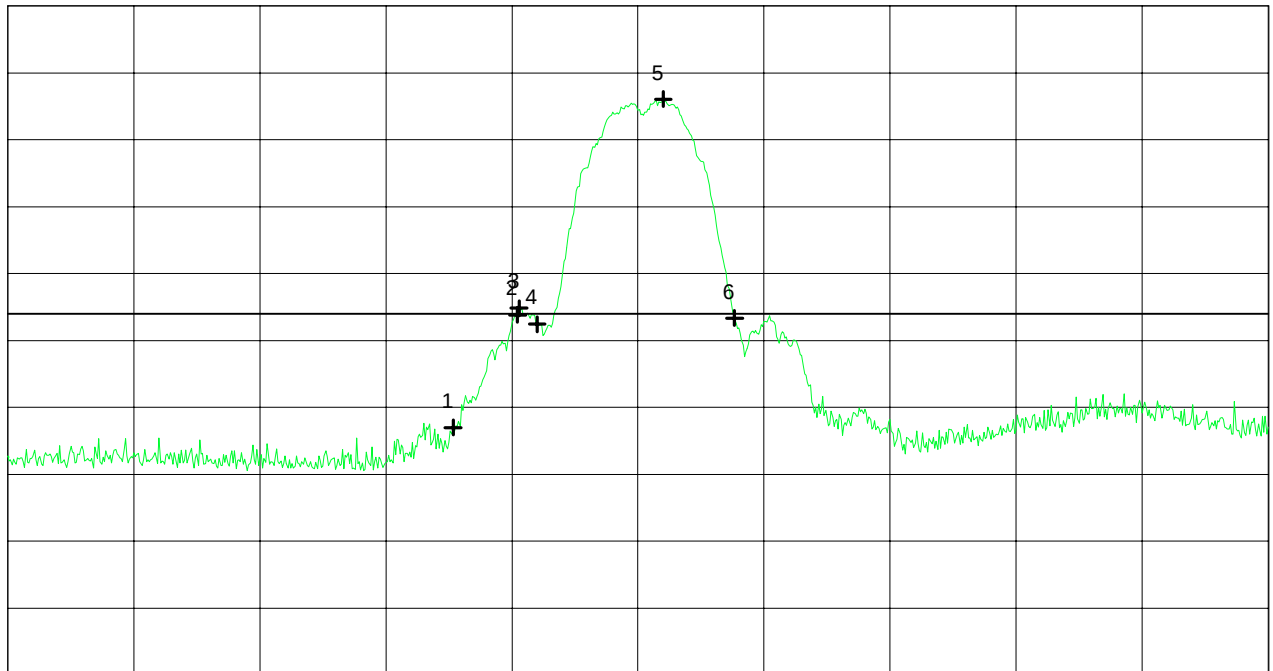
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	56.98 dB μ V/m
Nr.2	2.397667 GHz	73.84 dB μ V/m
Nr.3	2.397833 GHz	74.83 dB μ V/m
Nr.4	2.400000 GHz	72.42 dB μ V/m
Nr.5	2.415000 GHz	106.07 dB μ V/m
Nr.6	2.423500 GHz	73.34 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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]
2.3900	vertical	46.7		0.6	20.7	46.7	54
2.3928	vertical	53.8		0.6	20.7	53.8	NRB
2.3985	vertical	71.0		0.6	20.7	71.0	NRB
2.4000	vertical	67.4		0.6	20.7	67.4	NRB
2.4148	vertical	103.3		0.6	20.7	103.3	OB
2.4322	vertical	53.5		0.6	20.7	53.5	OB

Note: OB means "operation band" (2400 - 2483.5 MHz); in this case limit is 1 W (measured conducted with power meter).
NRB means "non restricted band"; in this case limit is 20 dB below maximum in-band-power equivalent to 103.3 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

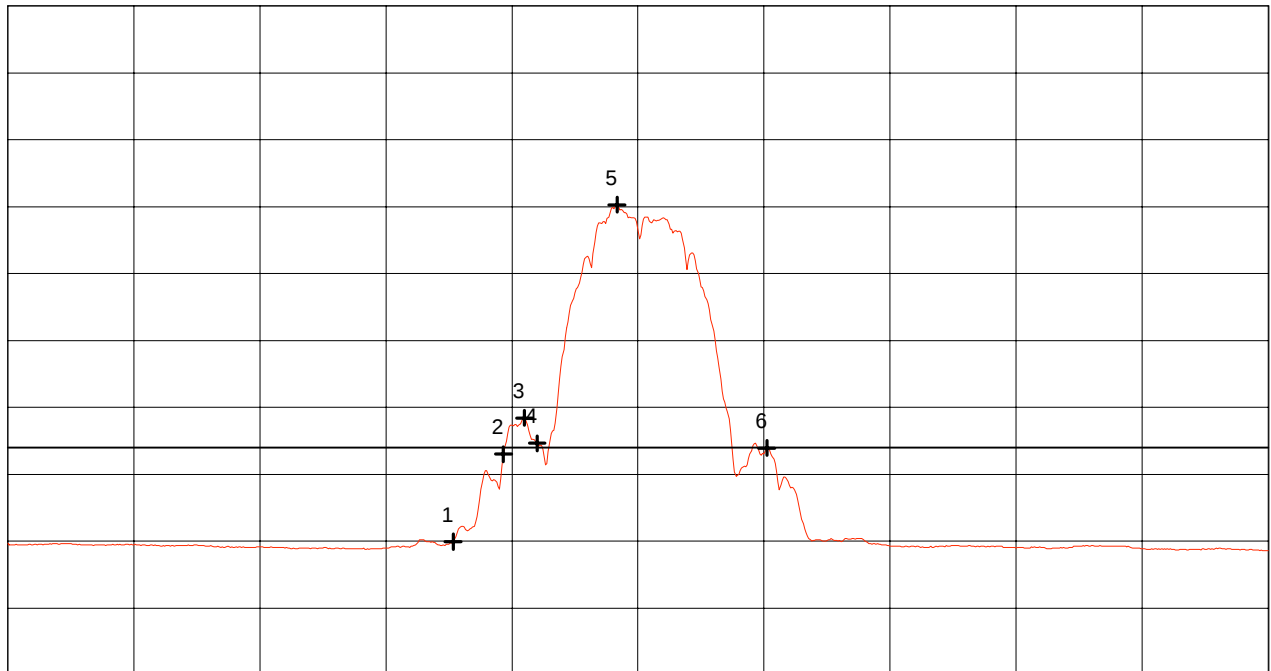
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	39.92 dB μ V/m
Nr.2	2.396000 GHz	53.00 dB μ V/m
Nr.3	2.398500 GHz	58.41 dB μ V/m
Nr.4	2.400000 GHz	54.65 dB μ V/m
Nr.5	2.409500 GHz	90.30 dB μ V/m
Nr.6	2.427333 GHz	53.91 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.412$ GHz

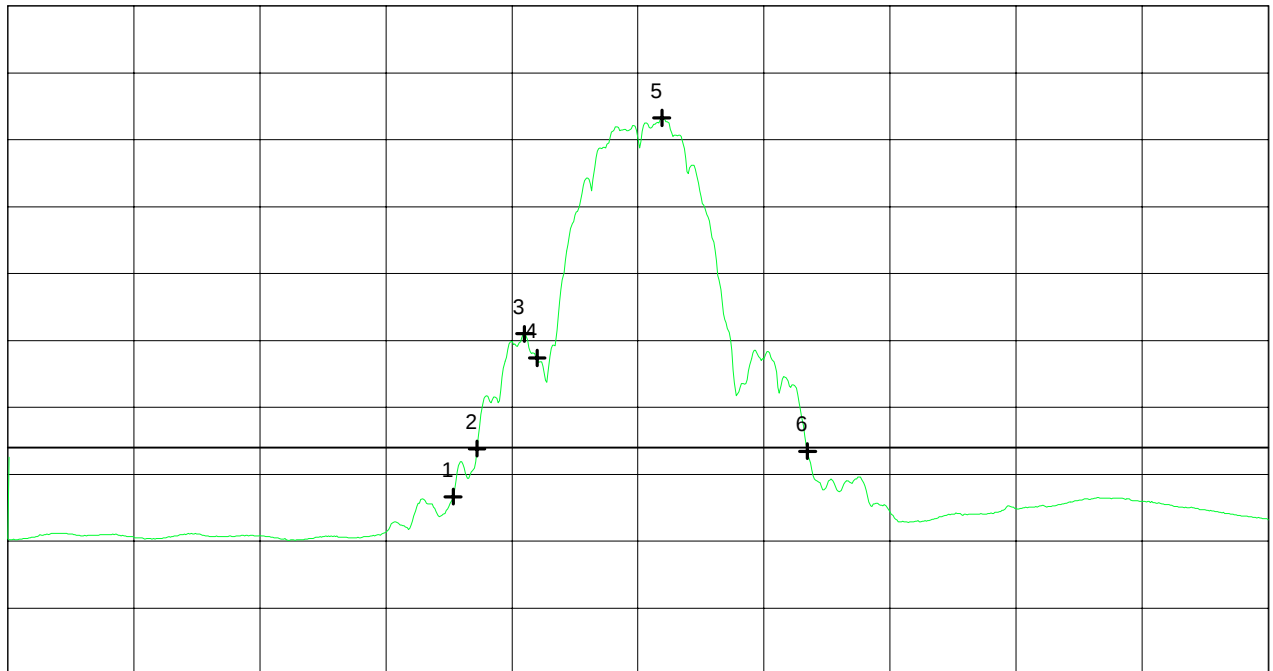
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	46.65 dB μ V/m
Nr.2	2.392833 GHz	53.83 dB μ V/m
Nr.3	2.398500 GHz	71.00 dB μ V/m
Nr.4	2.400000 GHz	67.37 dB μ V/m
Nr.5	2.414833 GHz	103.28 dB μ V/m
Nr.6	2.432167 GHz	53.45 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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]
2.4323	vertical	73.5		0.6	20.7	73.5	OB
2.4435	vertical	106.5		0.6	20.7	106.5	OB
2.4532	vertical	73.0		0.6	20.7	73.0	OB
4.8894	vertical	42.9	-91.5		27.3	42.7	74
7.3253	horizontal	43.9	-92.8		29.9	44.2	74
9.7680	vertical	43.8	-96.2		33.4	44.2	NRB

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 106.5 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

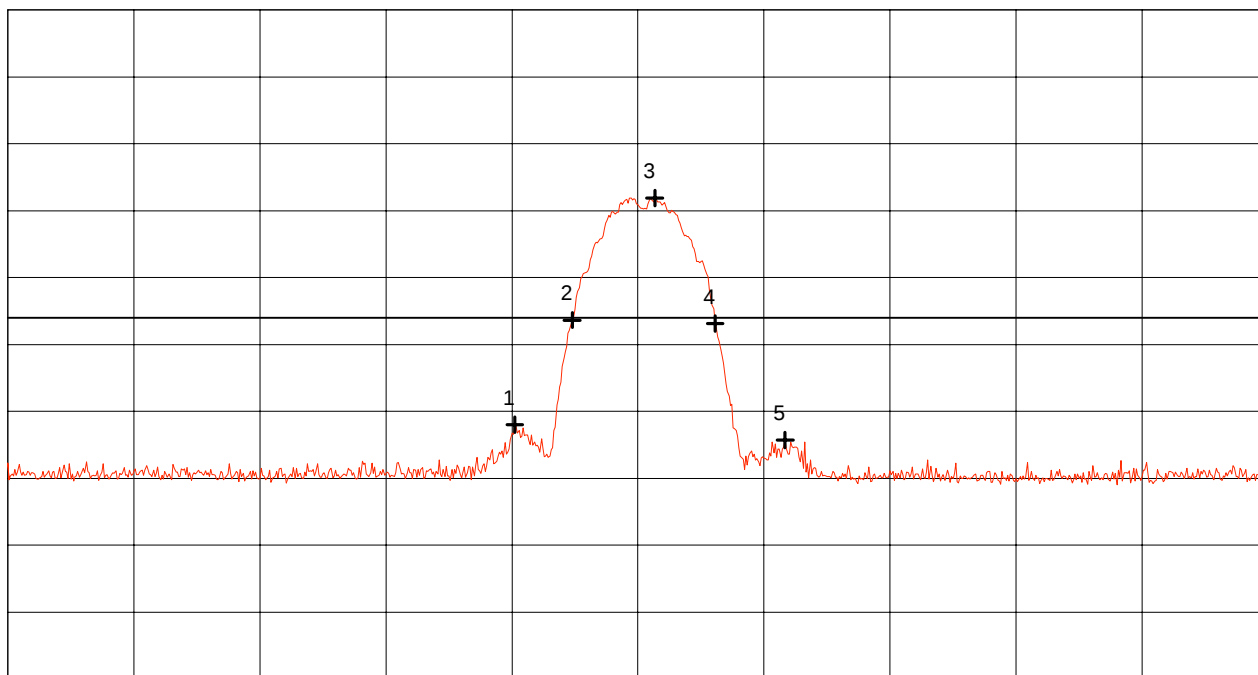
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	2.427333 GHz	58.00 dB μ V/m
Nr.2	2.434167 GHz	73.64 dB μ V/m
Nr.3	2.444000 GHz	91.90 dB μ V/m
Nr.4	2.451167 GHz	73.13 dB μ V/m
Nr.5	2.459500 GHz	55.71 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

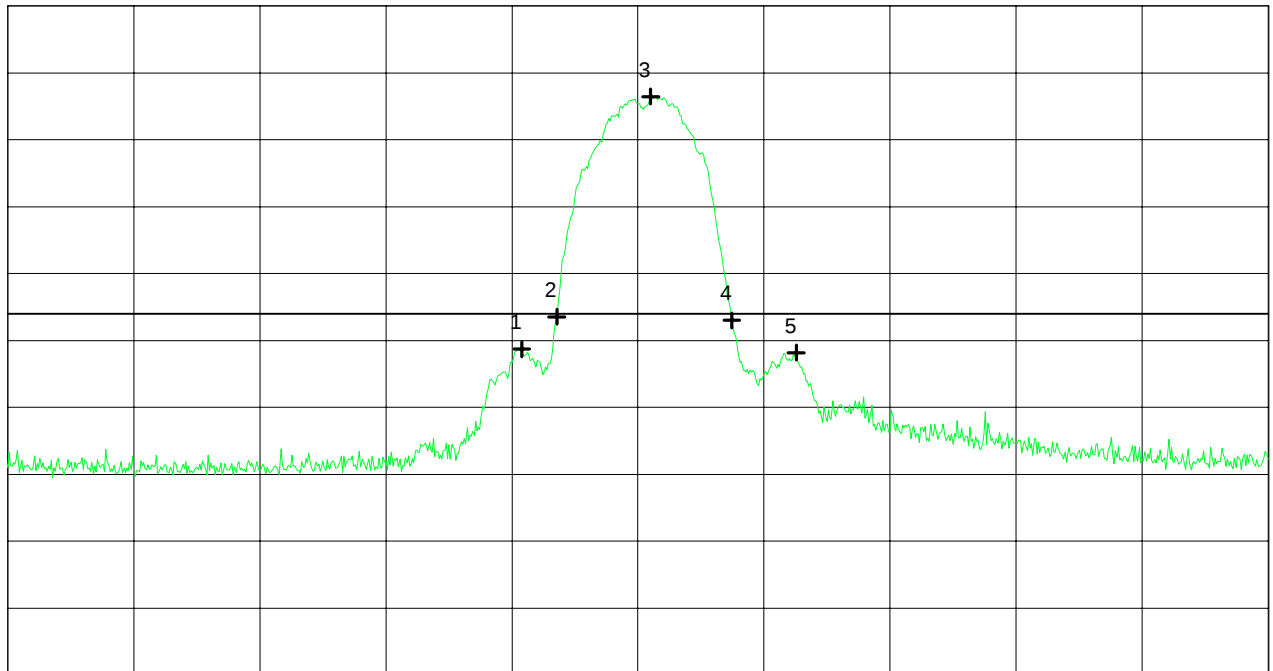
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	2.428167 GHz	68.69 dB μ V/m
Nr.2	2.432333 GHz	73.54 dB μ V/m
Nr.3	2.443500 GHz	106.45 dB μ V/m
Nr.4	2.453167 GHz	73.01 dB μ V/m
Nr.5	2.460833 GHz	68.18 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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]
2.4233	vertical	53.6		0.6	20.7	53.6	OB
2.4428	vertical	103.5		0.6	20.7	103.5	OB
2.4623	vertical	53.9		0.6	20.7	53.9	OB
7.3288	horizontal	35.5	-101.2		29.9	35.8	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 103.5 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

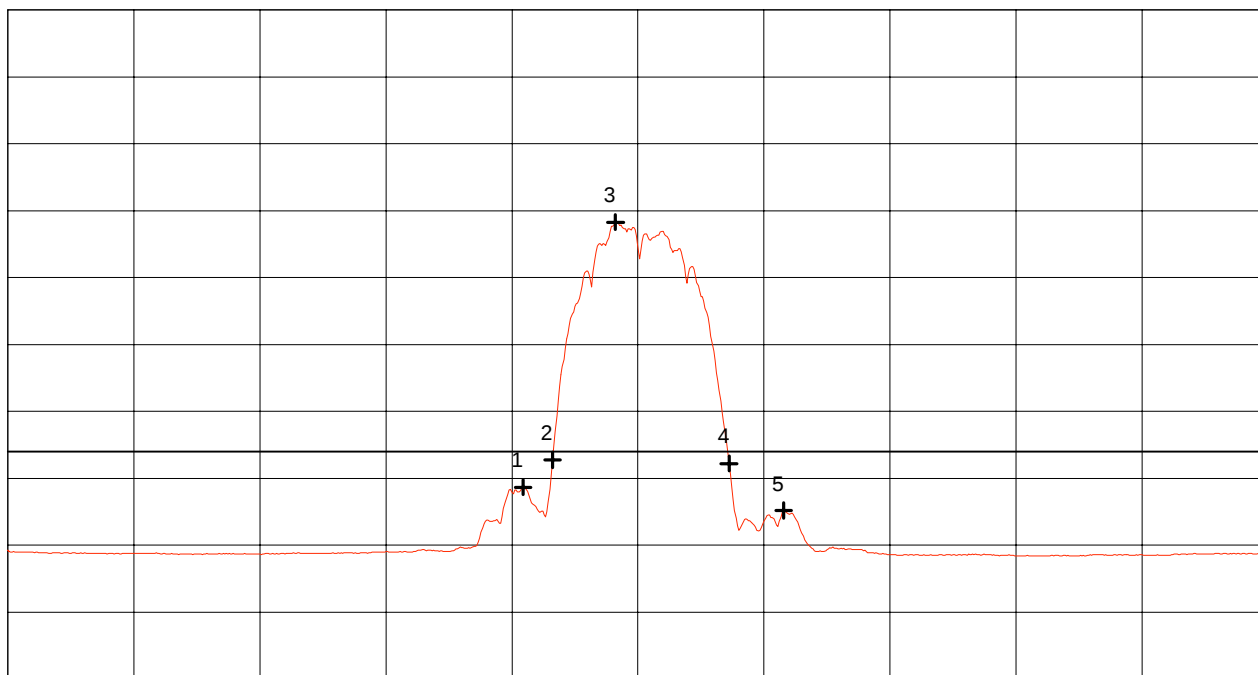
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	2.428333 GHz	48.68 dB μ V/m
Nr.2	2.431833 GHz	52.74 dB μ V/m
Nr.3	2.439333 GHz	88.29 dB μ V/m
Nr.4	2.452833 GHz	52.21 dB μ V/m
Nr.5	2.459333 GHz	45.18 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.442$ GHz

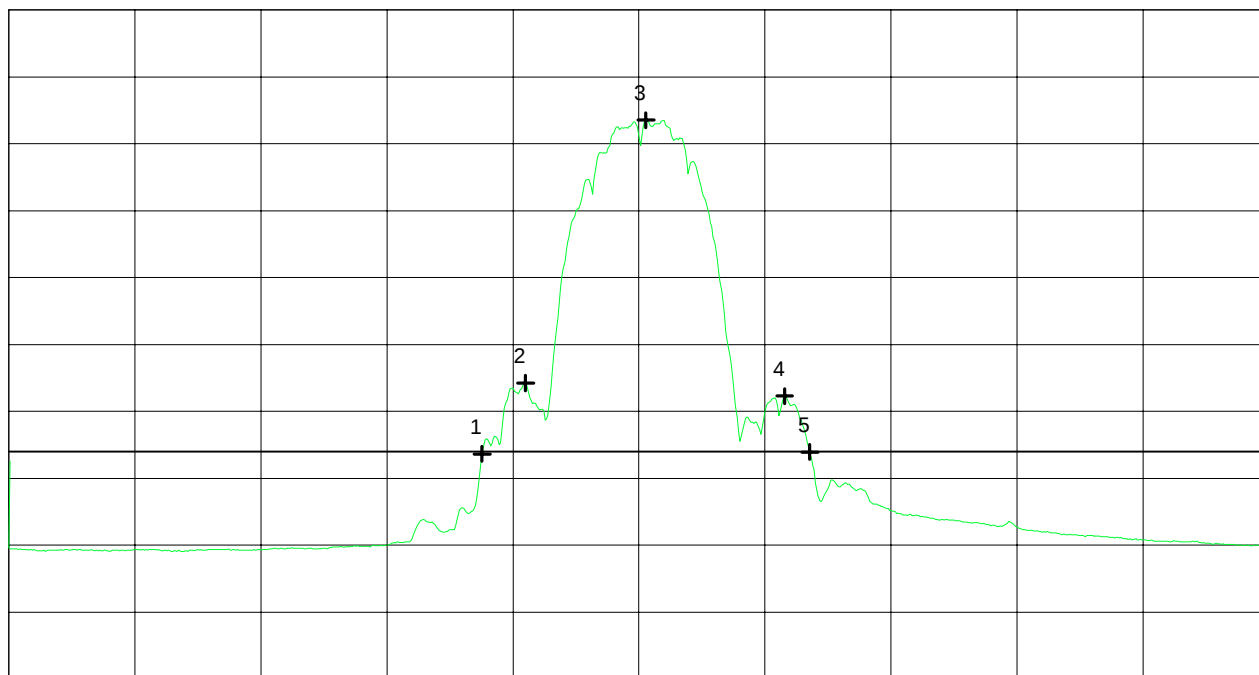
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	2.423333 GHz	53.63 dB μ V/m
Nr.2	2.428500 GHz	64.22 dB μ V/m
Nr.3	2.442833 GHz	103.53 dB μ V/m
Nr.4	2.459333 GHz	62.27 dB μ V/m
Nr.5	2.462333 GHz	53.91 dB μ V/m
Nr.6		
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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	70.8		0.6	20.7	70.8	OB
2.4650	vertical	107.5		0.6	20.7	107.5	OB
2.4732	vertical	73.3		0.6	20.7	73.3	OB
2.4835	vertical	56.1		0.6	20.7	56.1	74
2.4845	vertical	57.3		0.6	20.7	57.3	74
2.5000	vertical	51.6		0.6	20.7	51.6	74
4.9296	vertical	45.6	-88.8		27.3	45.5	74
7.3906	horizontal	41.7	-94.4		30.0	42.5	74
9.8473	horizontal	45.7	-94.0		33.4	46.4	NRB

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 107.5 dBμV/m.

Result: The limits are kept

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

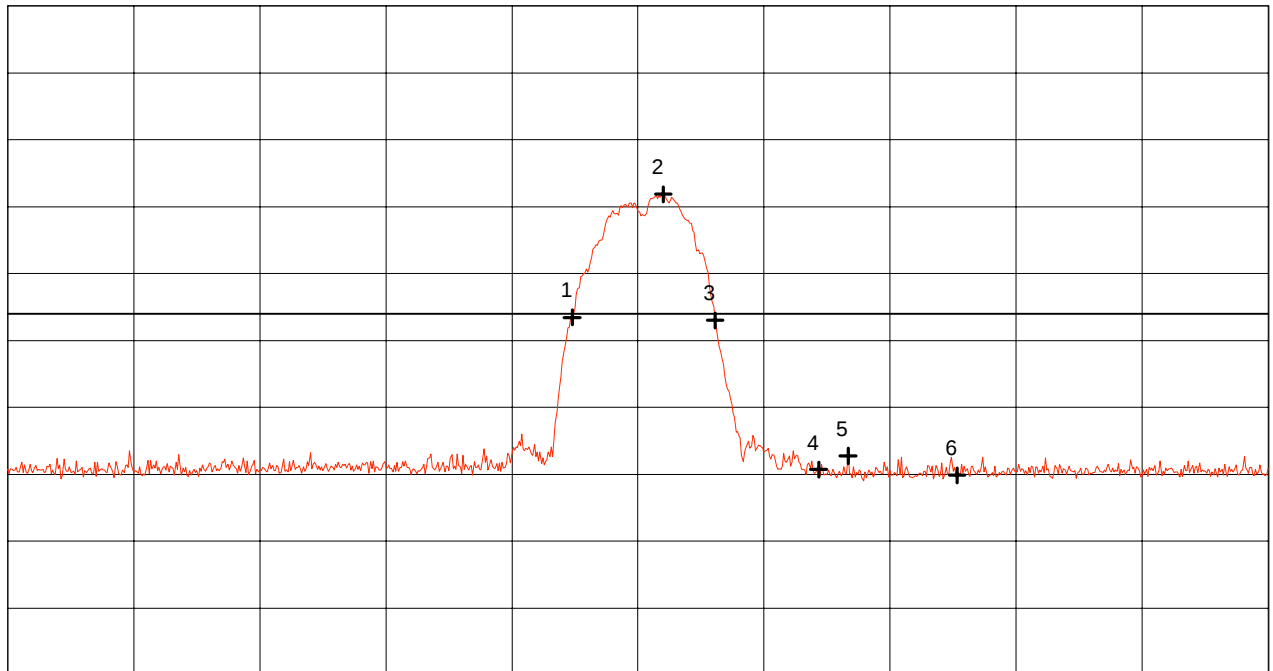
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	2.454167 GHz	73.46 dB μ V/m
Nr.2	2.465000 GHz	91.85 dB μ V/m
Nr.3	2.471167 GHz	73.01 dB μ V/m
Nr.4	2.483500 GHz	50.69 dB μ V/m
Nr.5	2.487000 GHz	52.74 dB μ V/m
Nr.6	2.500000 GHz	49.85 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

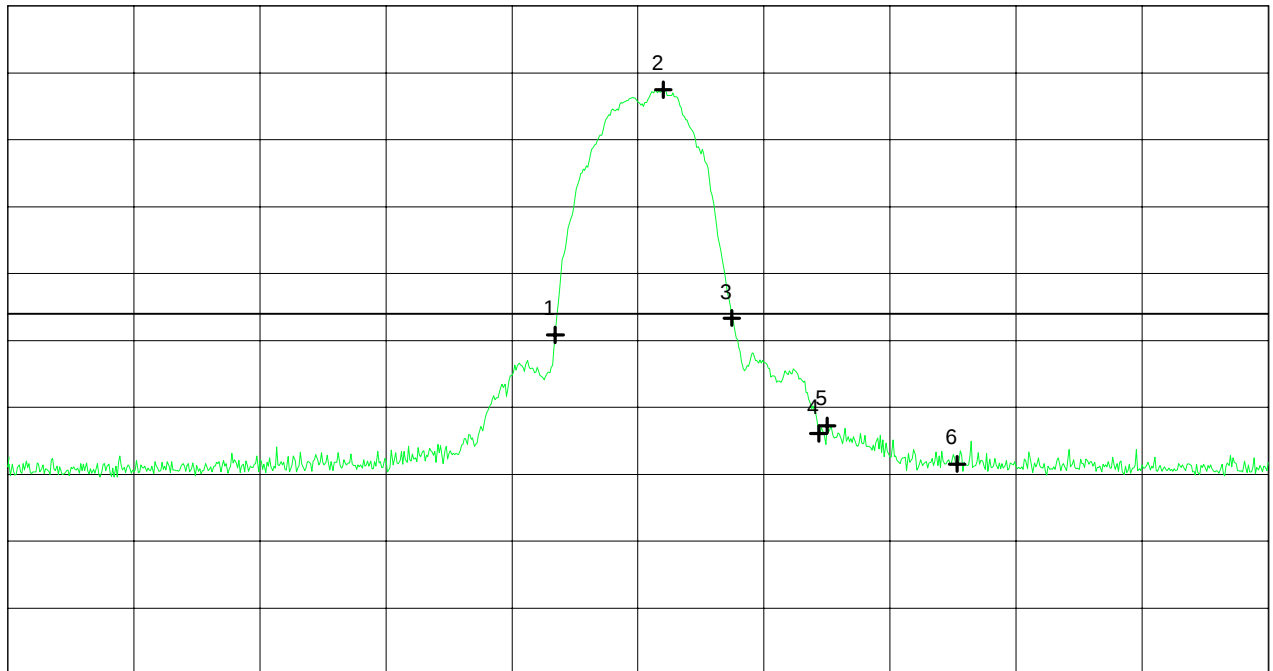
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	70.82 dB μ V/m
Nr.2	2.465000 GHz	107.49 dB μ V/m
Nr.3	2.473167 GHz	73.34 dB μ V/m
Nr.4	2.483500 GHz	56.09 dB μ V/m
Nr.5	2.484500 GHz	57.29 dB μ V/m
Nr.6	2.500000 GHz	51.55 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model: LUC PC24E-H-FC
Type: RF-modem for wireless LAN
Serial No.: 90990005
Applicant: Lucent Technologies Nederland B.V.
Test-site: Semi anechoic room
Test distance: 3 meters
Date of test: 04/15/1999
Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft 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]
2.4457	vertical	54.0		0.6	20.7	54.0	OB
2.4648	vertical	104.8		0.6	20.7	104.8	OB
2.4818	vertical	53.3		0.6	20.7	53.3	OB
2.4835	vertical	45.0		0.6	20.7	45.0	54
2.4848	vertical	46.4		0.6	20.7	46.4	54
2.5000	vertical	40.3		0.6	20.7	40.3	54
4.9241	vertical	42.6	-91.6		27.3	42.7	54
9.8481	horizontal	43.5	-96.0		33.4	44.4	NRB

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 PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

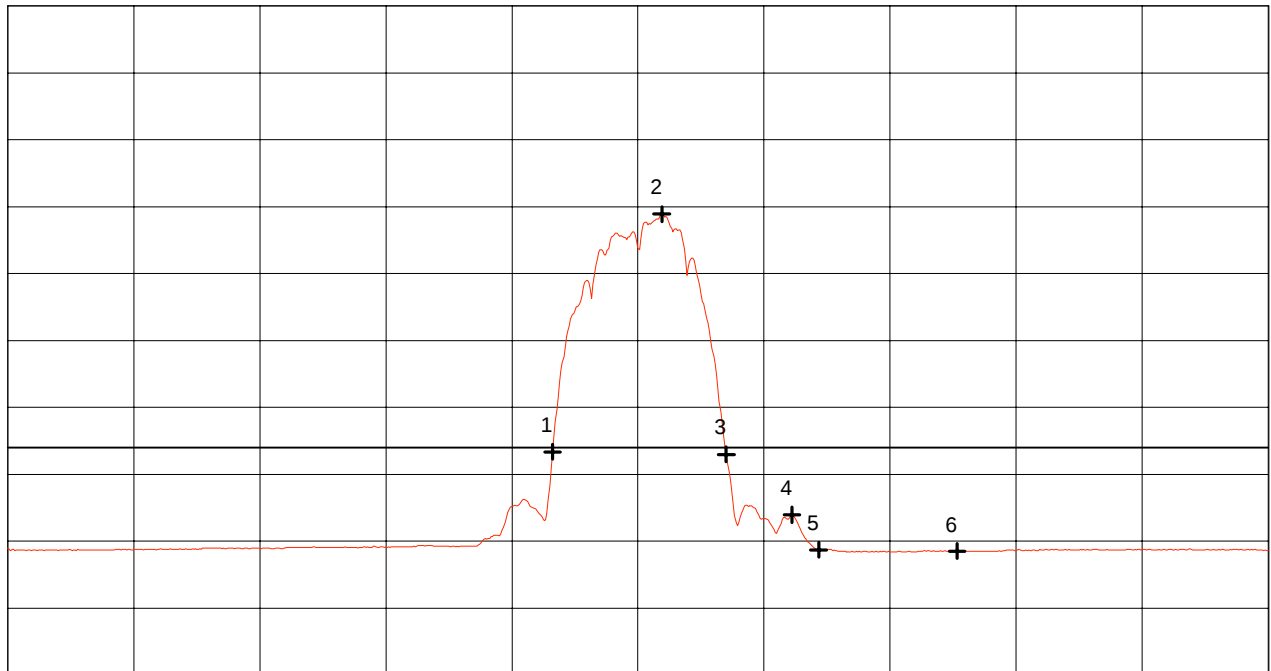
Test distance: 3 meters

Channel A (red) = horizontal polarization

Ref.Level 120 dB μ V/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	2.451833 GHz	53.33 dB μ V/m
Nr.2	2.464833 GHz	88.90 dB μ V/m
Nr.3	2.472500 GHz	52.97 dB μ V/m
Nr.4	2.480333 GHz	43.93 dB μ V/m
Nr.5	2.483500 GHz	38.70 dB μ V/m
Nr.6	2.500000 GHz	38.50 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial No.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- operating with bit rate 11 Mbps

- TX mode with $f = 2.462$ GHz

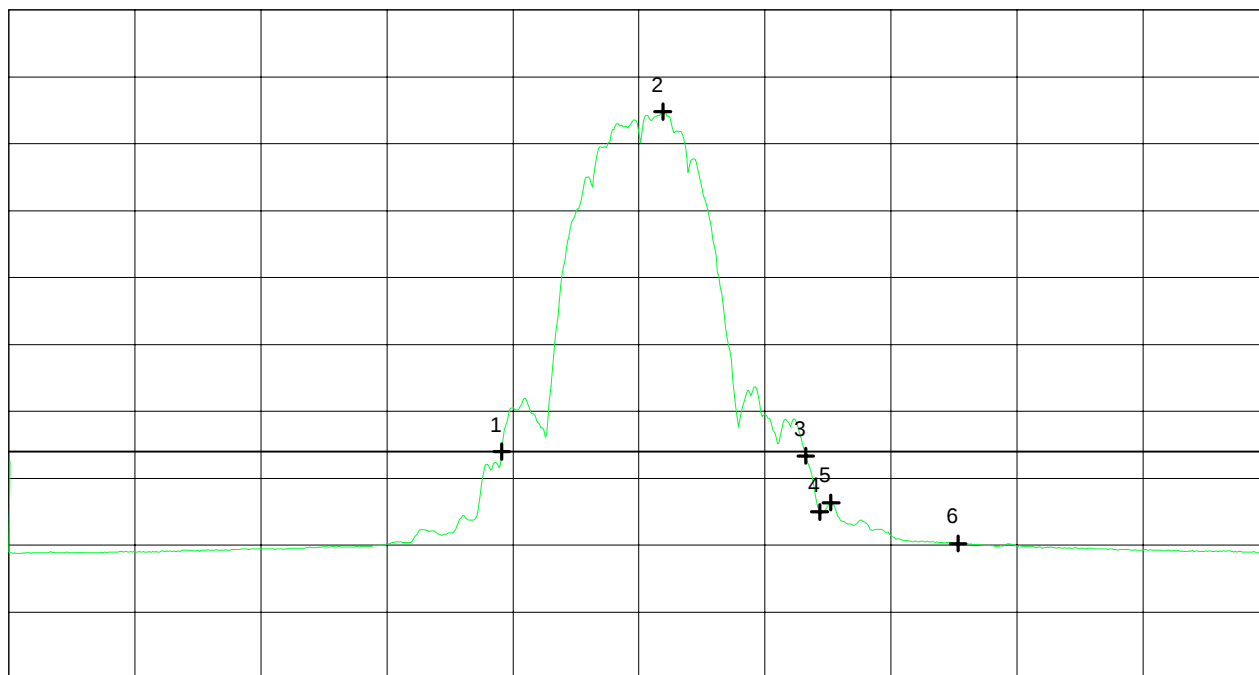
Test distance: 3 meters

Channel B (green) = vertical polarization

Ref.Level 120 dB μ V/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	2.445667 GHz	53.99 dB μ V/m
Nr.2	2.464833 GHz	104.82 dB μ V/m
Nr.3	2.481833 GHz	53.33 dB μ V/m
Nr.4	2.483500 GHz	44.95 dB μ V/m
Nr.5	2.484833 GHz	46.37 dB μ V/m
Nr.6	2.500000 GHz	40.25 dB μ V/m
Nr.7		
Nr.8		

Tested by:
Rainer Heller

Date:
04/15/1999

Project-No.:
56305-90204-1

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Test results for setup no. 2

Receive (RX) mode

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase L1

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

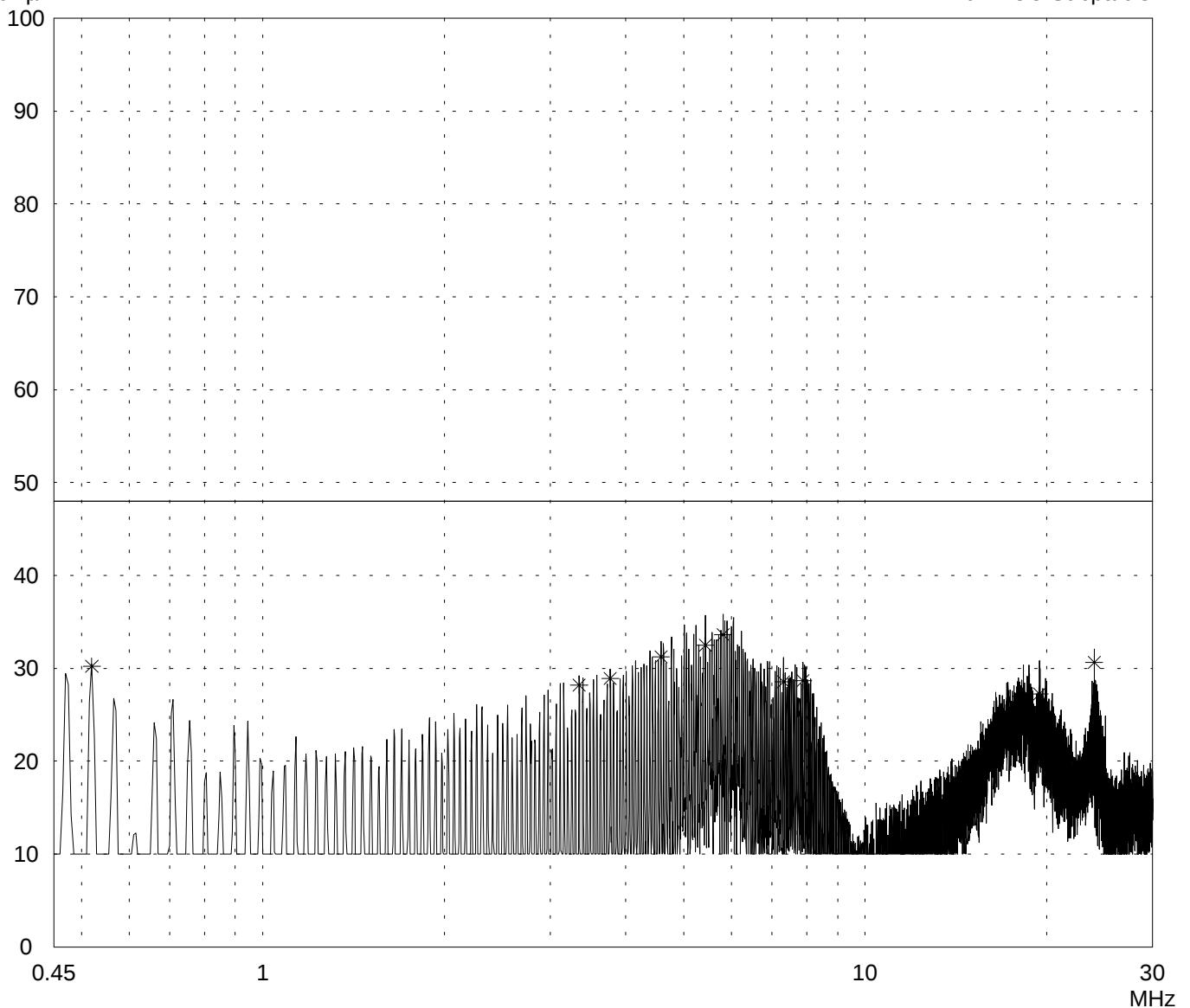
- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC		Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8) - FCC test setup - supply voltage 115 V AC - with external antenna AOU24-OD-77 (Maxrad) - with 50 ft antenna cable - RX mode with f = 2.442 GHz
Serial no.: 90990005		
Applicant: Lucent Technologies Nederland B.V.		
Test site: Shielded room, cabin no. 2		
Tested on: Linecord personal computer (EUT) Phase L1		
Date of test: 04/08/1999	Operator: R. Heller	
Test performed: automatically	File name:	

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

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	30.2		30.2	48.0	
3.350	28.2		28.2	48.0	
3.775	28.9		28.9	48.0	
4.580	31.3		31.3	48.0	
5.425	32.5		32.5	48.0	
5.805	33.7		33.7	48.0	
7.315	28.5		28.5	48.0	
7.885	28.7		28.7	48.0	
17.970	26.4		26.4	48.0	
19.480	27.2		27.2	48.0	
24.005	30.6		30.6	48.0	

Result: Limit kept	Project file: 56305-90204-1	Page 251 of 267 Pages
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Conducted Emission Test 450 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

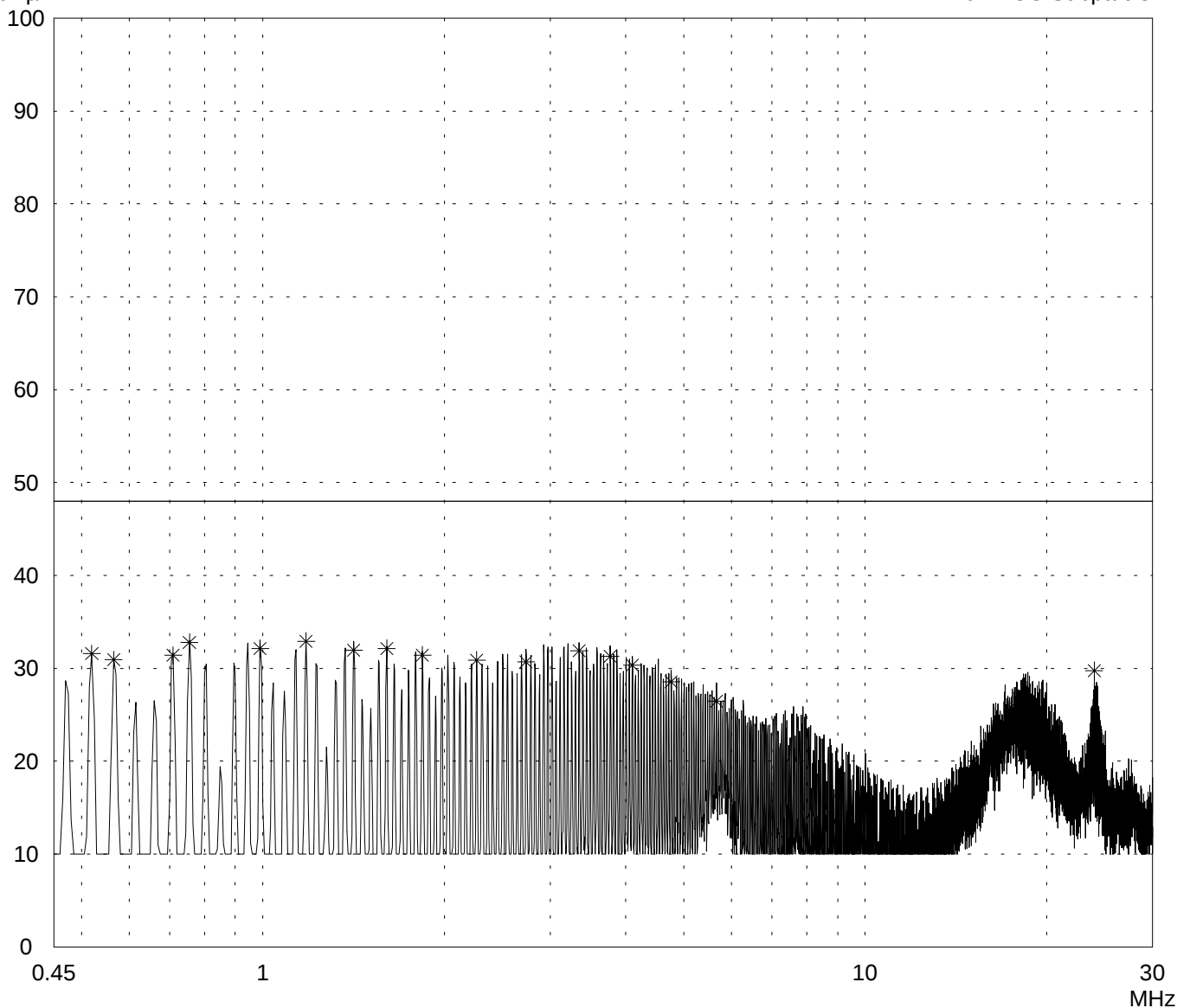
Detector:
Peak / Final Results: QP

Final results:
20 dB Margin

25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord personal computer (EUT)
Phase N

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442 \text{ GHz}$

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
0.520	31.6		31.6	48.0	
0.565	30.9		30.9	48.0	
0.710	31.4		31.4	48.0	
0.755	32.8		32.8	48.0	
0.990	32.1		32.1	48.0	
1.180	32.9		32.9	48.0	
1.415	32.0		32.0	48.0	
1.605	32.1		32.1	48.0	
1.840	31.4		31.4	48.0	
2.265	30.9		30.9	48.0	
2.735	30.7		30.7	48.0	
3.350	31.9		31.9	48.0	
3.775	31.3		31.3	48.0	
4.105	30.4		30.4	48.0	
4.765	28.5		28.5	48.0	
5.665	26.4		26.4	48.0	
17.840	25.6		25.6	48.0	
18.630	26.3		26.3	48.0	
24.005	29.7		29.7	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

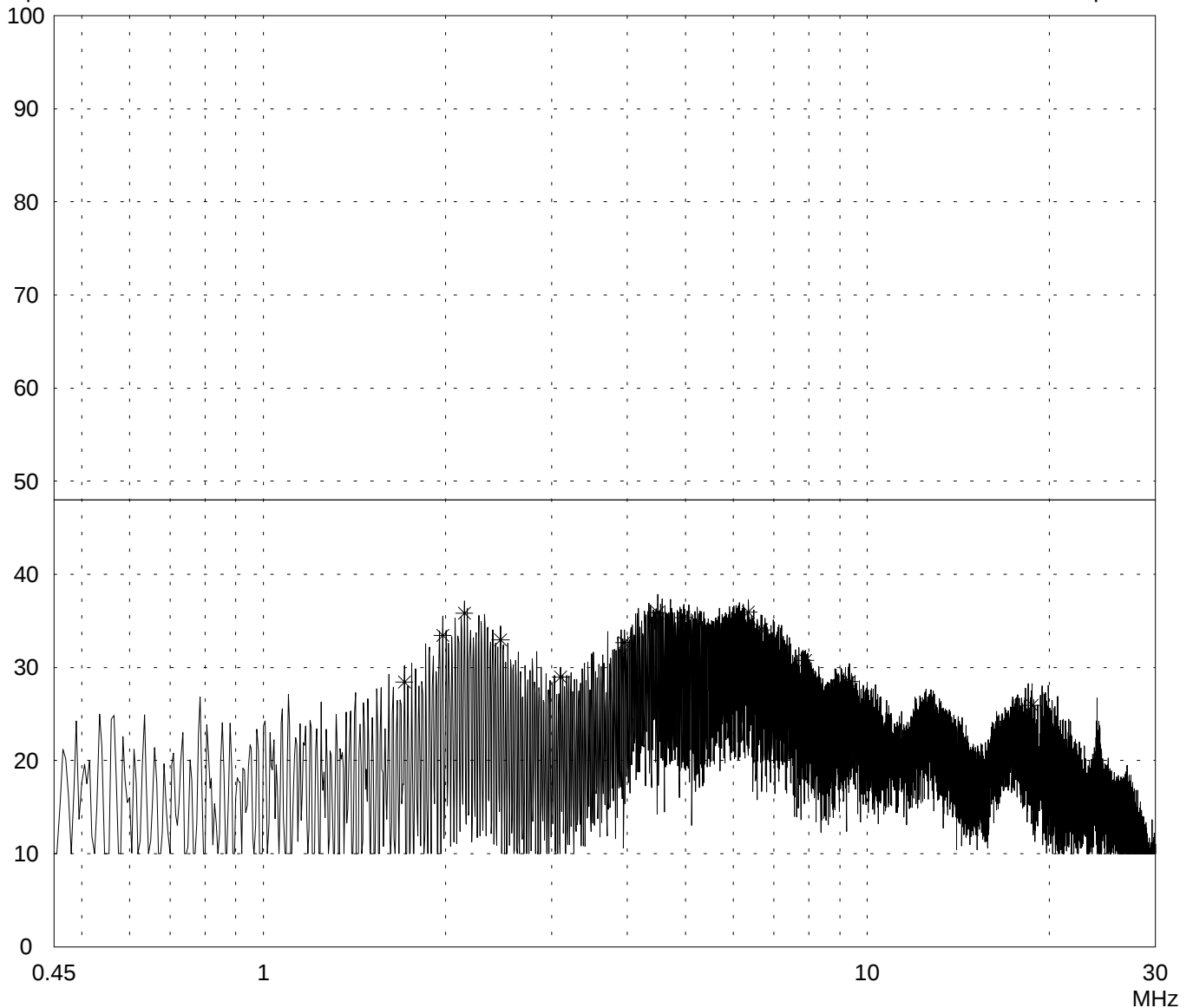
- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase L1

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442 \text{ GHz}$

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.710	28.4		28.4	48.0	
1.980	33.4		33.4	48.0	
2.150	35.8		35.8	48.0	
2.470	33.0		33.0	48.0	
3.105	29.0		29.0	48.0	
3.960	32.7		32.7	48.0	
4.500	35.9		35.9	48.0	
4.965	35.3		35.3	48.0	
6.355	36.0		36.0	48.0	
6.675	34.1		34.1	48.0	
7.895	30.8		30.8	48.0	
9.340	28.5		28.5	48.0	
18.725	25.9		25.9	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999 Operator:
R. Heller

Test performed: automatically File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

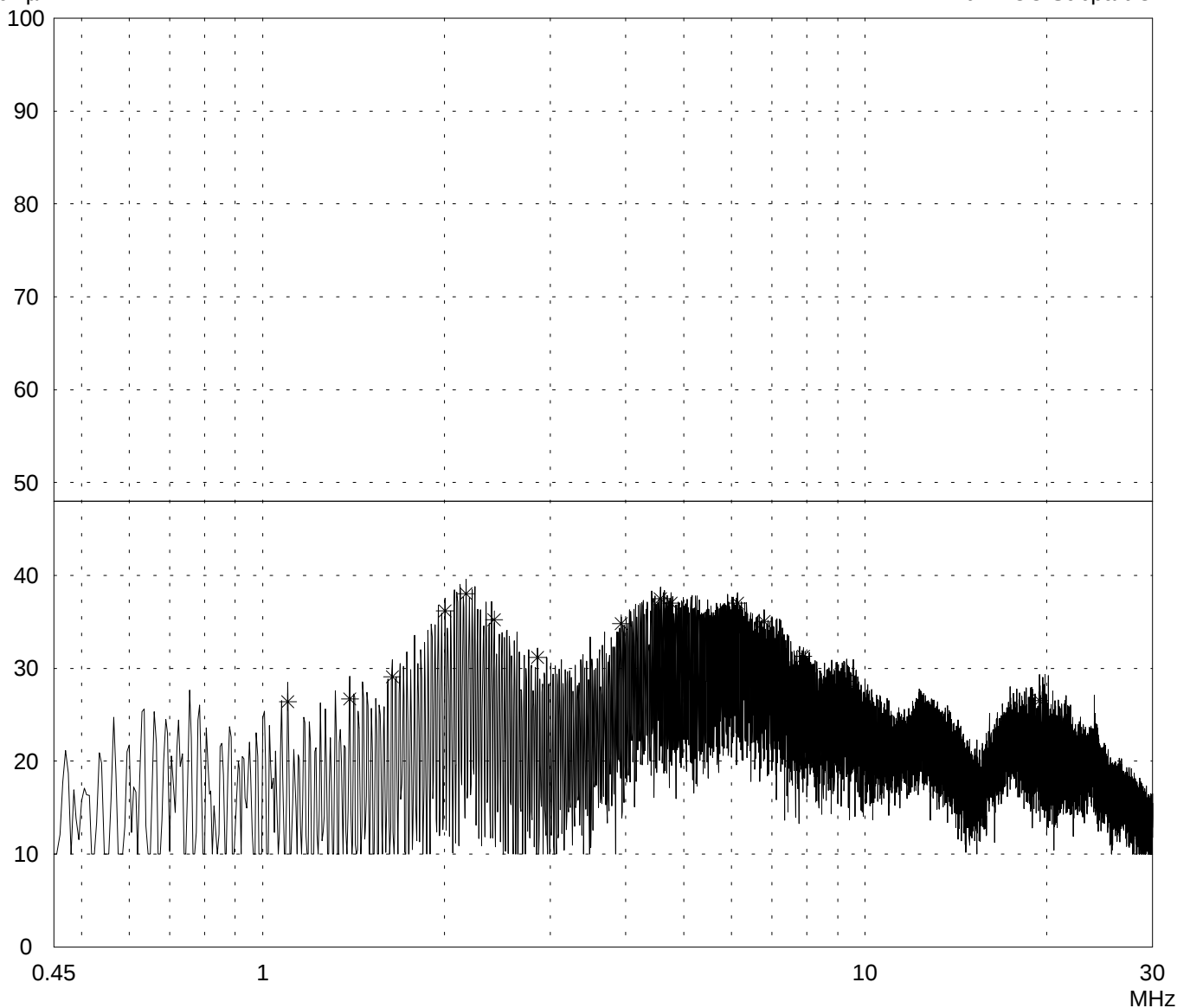
- RX mode with $f = 2.442$ GHz

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

dB μ V

Limit1: FCC Subpart C



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord peripheral devices
Phase N

Date of test: 04/08/1999
Operator: R. Heller

Test performed: automatically
File name:

Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442 \text{ GHz}$

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV</i>	<i>Limit dBμV</i>	<i>Limit exceeded</i>
1.100	26.4		26.4	48.0	
1.395	26.7		26.7	48.0	
1.640	29.1		29.1	48.0	
2.005	36.2		36.2	48.0	
2.175	38.1		38.1	48.0	
2.420	35.2		35.2	48.0	
2.860	31.2		31.2	48.0	
3.935	34.8		34.8	48.0	
4.570	37.5		37.5	48.0	
4.765	37.0		37.0	48.0	
6.135	37.0		37.0	48.0	
6.795	35.0		35.0	48.0	
7.895	31.3		31.3	48.0	
9.310	28.6		28.6	48.0	
19.480	26.5		26.5	48.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

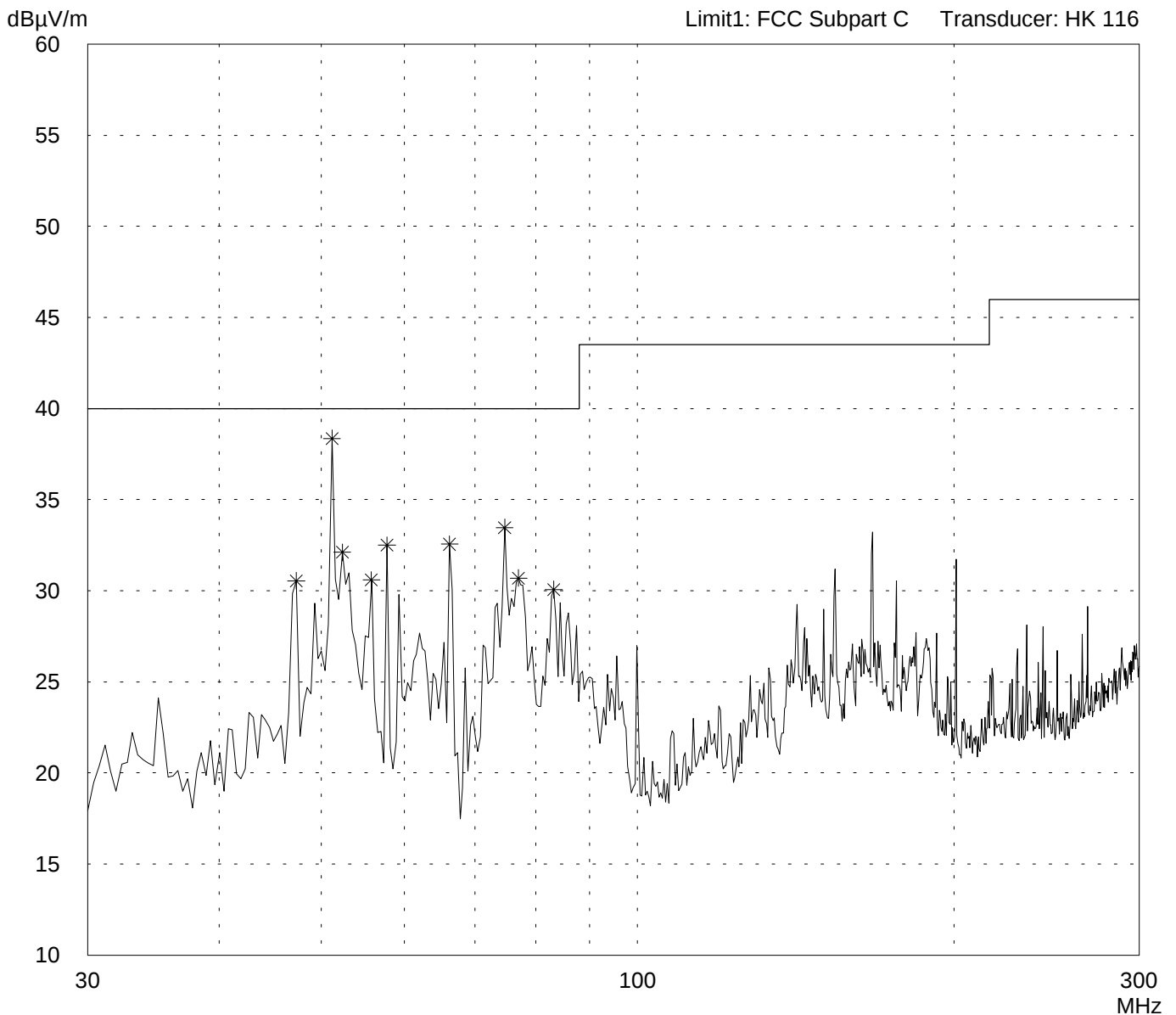
Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

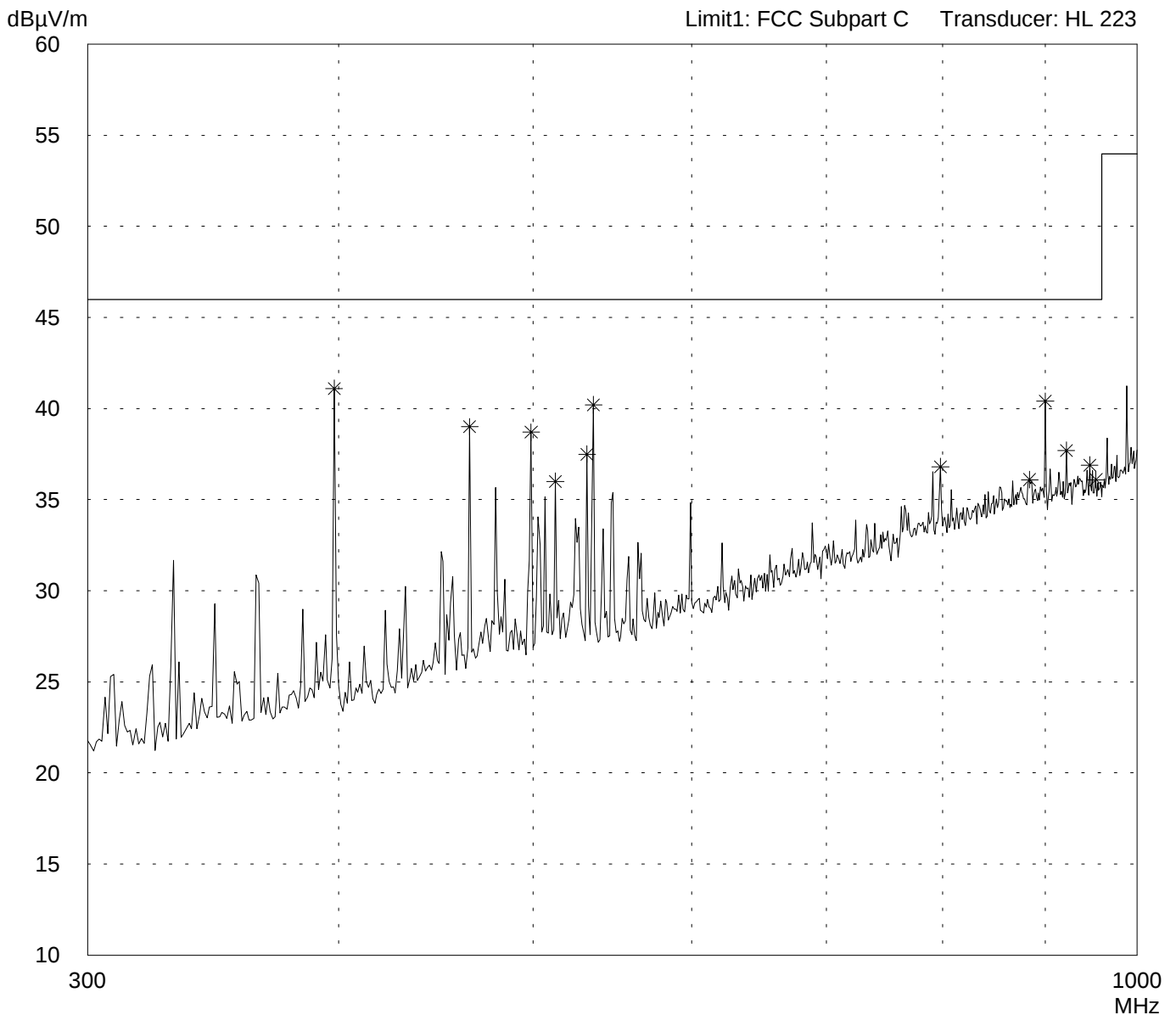
Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

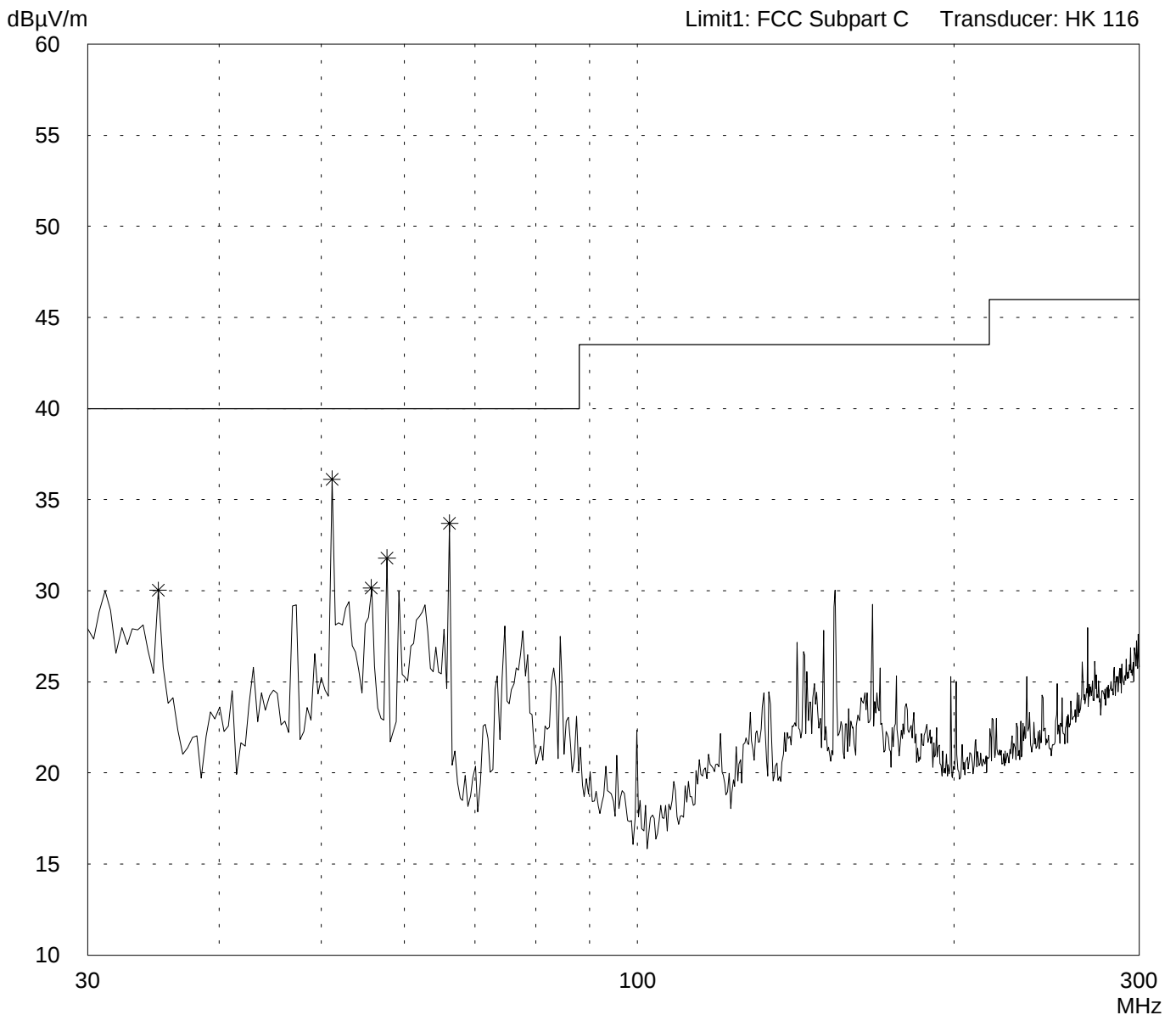
Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

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: 04/08/1999 Operator: R. Heller

Test performed: automatically File name:

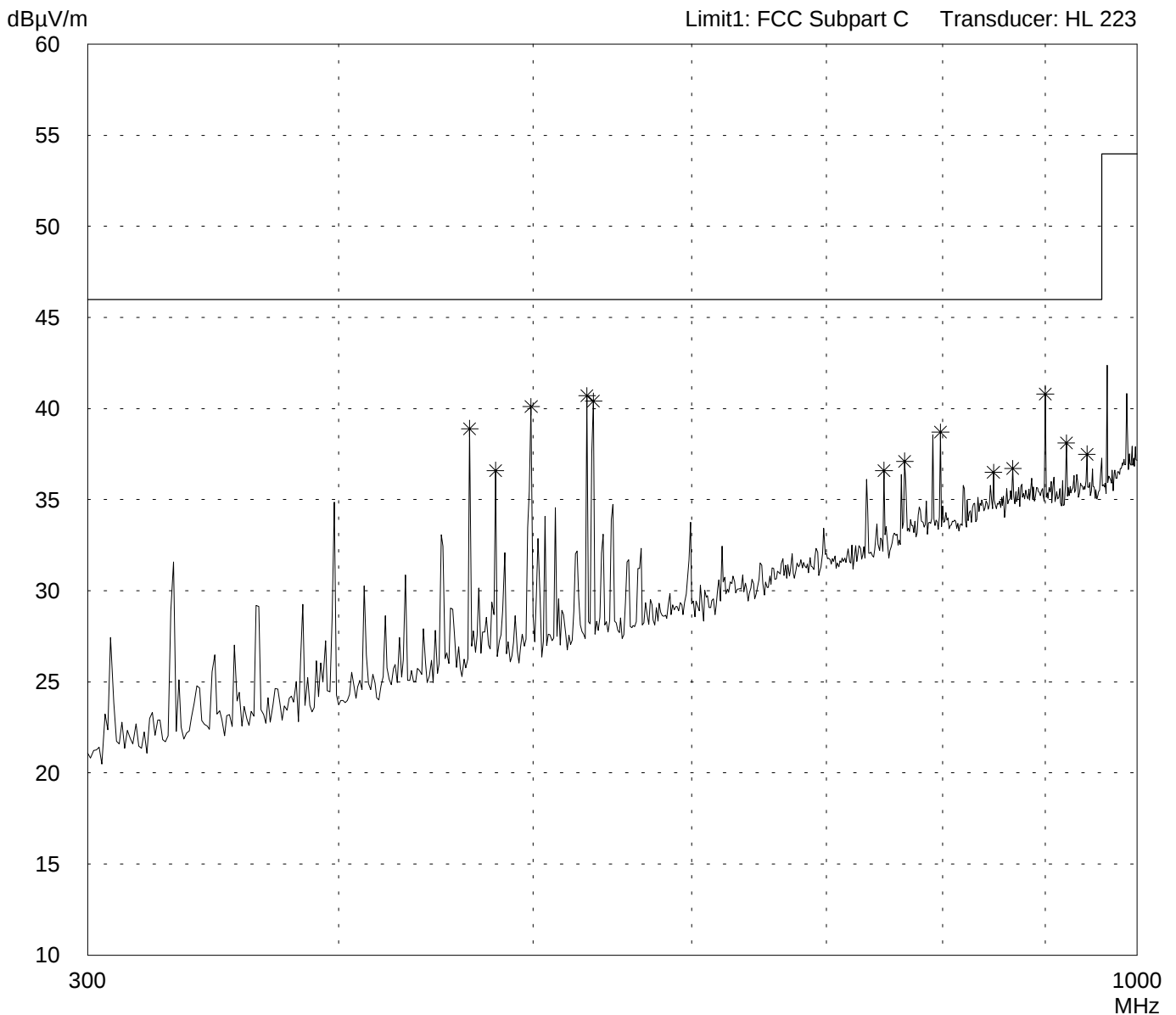
Mode:

- RF-modem PC24E-H-FC mounted in AT & T Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999
Operator: R. Heller

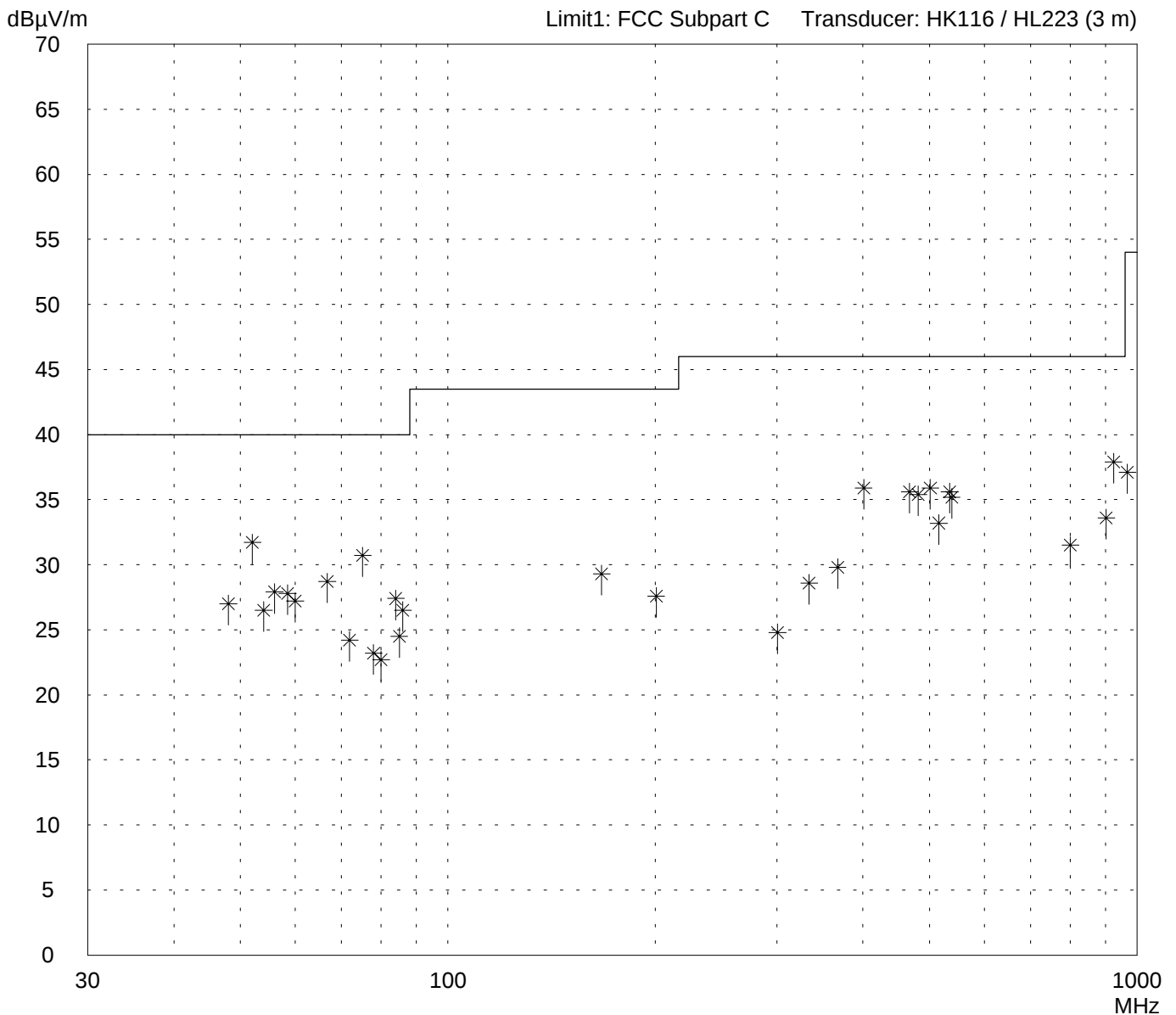
Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/12/1999 Operator:
R. Heller

Test performed: by hand File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with f = 2.442 GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

<i>Frequency MHz</i>	<i>Reading dBμV</i>	<i>Correction factor dB</i>	<i>Value dBμV/m</i>	<i>Limit dBμV/m</i>	<i>Limit exceeded</i>
48.0	16.0	11.0	27.0	40.0	
52.0	21.0	10.7	31.7	40.0	
54.0	16.0	10.5	26.5	40.0	
56.0	17.5	10.4	27.9	40.0	
58.5	17.5	10.3	27.8	40.0	
60.0	17.0	10.2	27.2	40.0	
66.8	18.5	10.2	28.7	40.0	
72.0	14.0	10.2	24.2	40.0	
75.2	20.5	10.2	30.7	40.0	
78.0	13.0	10.2	23.2	40.0	
80.0	12.5	10.2	22.7	40.0	
84.0	17.0	10.4	27.4	40.0	
85.0	14.0	10.5	24.5	40.0	
86.0	16.0	10.5	26.5	40.0	
167.1	13.5	15.8	29.3	43.5	
200.5	10.5	17.1	27.6	43.5	
300.7	8.0	16.8	24.8	46.0	
334.1	10.5	18.1	28.6	46.0	
367.5	10.5	19.3	29.8	46.0	
400.9	15.5	20.4	35.9	46.0	
467.7	13.5	22.1	35.6	46.0	
481.5	13.0	22.4	35.4	46.0	
501.2	13.0	22.9	35.9	46.0	
515.5	10.0	23.2	33.2	46.0	
534.6	12.0	23.6	35.6	46.0	
538.1	11.5	23.7	35.2	46.0	
800.0	3.0	28.5	31.5	46.0	
902.0	3.0	30.6	33.6	46.0	
924.0	7.0	30.9	37.9	46.0	
968.0	5.5	31.6	37.1	54.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

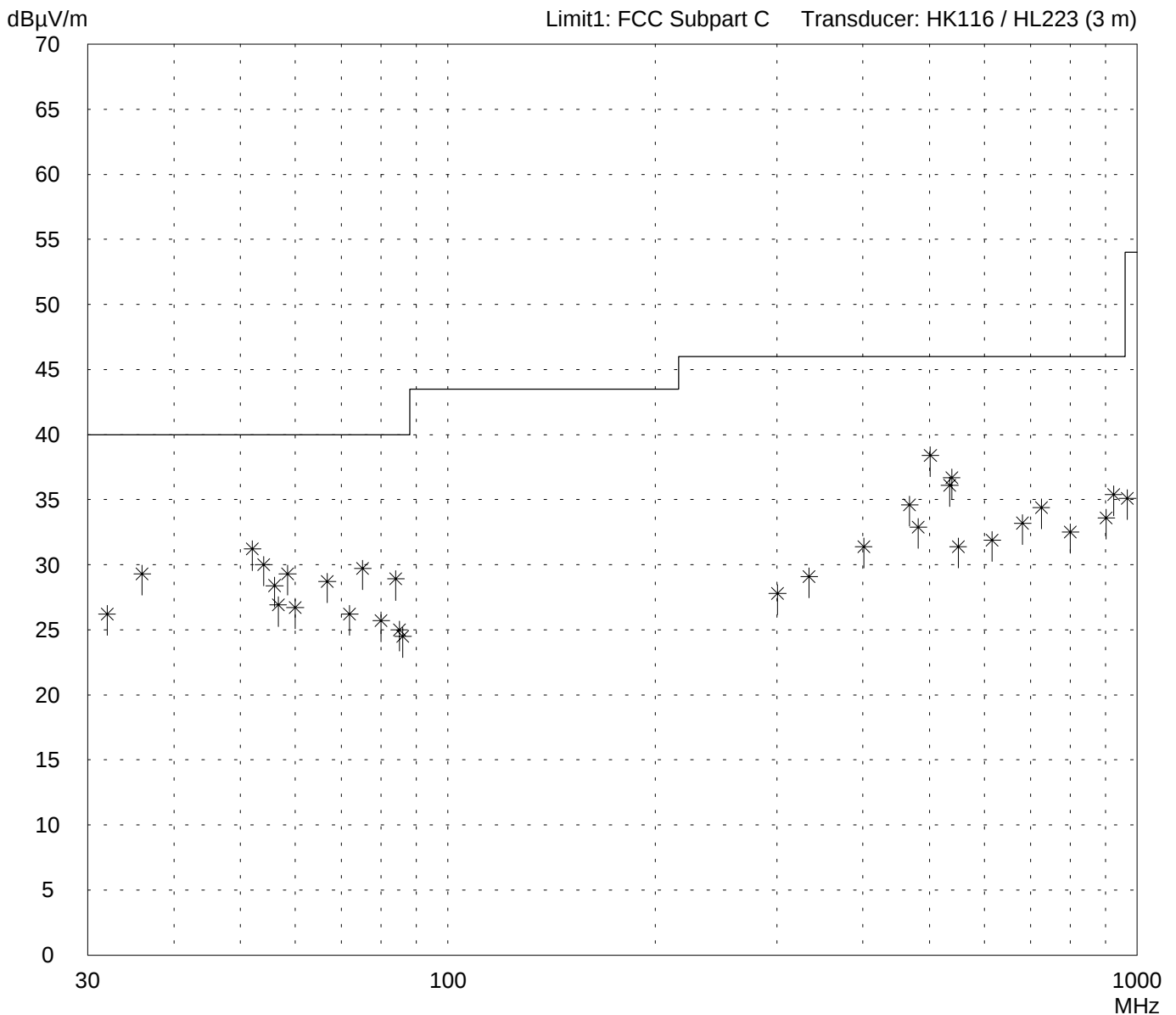
Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
56305-90204-1

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

Model:
LUC PC24E-H-FC

Serial no.:
90990005

Applicant:
Lucent Technologies Nederland B.V.

Test site:
Open area test-site I

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/12/1999
Operator: R. Heller

Test performed: by hand
File name:

Mode:
- RF-modem PC24E-H-FC mounted in AT & T
Globalyst 550 via ISA card ISAPC-B0 (#B2-8)
- FCC test setup
- supply voltage 115 V AC
- with external antenna AOU24-OD-77 (Maxrad)
- with 50 ft antenna cable

- RX mode with $f = 2.442$ GHz

Detector:
Quasi-Peak

List of values:
Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
32.0	12.0	14.2	26.2	40.0	
36.0	16.0	13.3	29.3	40.0	
52.0	20.5	10.7	31.2	40.0	
54.0	19.5	10.5	30.0	40.0	
56.0	18.0	10.4	28.4	40.0	
56.7	16.5	10.4	26.9	40.0	
58.5	19.0	10.3	29.3	40.0	
60.0	16.5	10.2	26.7	40.0	
66.8	18.5	10.2	28.7	40.0	
72.0	16.0	10.2	26.2	40.0	
75.2	19.5	10.2	29.7	40.0	
80.0	15.5	10.2	25.7	40.0	
84.0	18.5	10.4	28.9	40.0	
85.0	14.5	10.5	25.0	40.0	
86.0	14.0	10.5	24.5	40.0	
300.7	11.0	16.8	27.8	46.0	
334.1	11.0	18.1	29.1	46.0	
400.9	11.0	20.4	31.4	46.0	
467.7	12.5	22.1	34.6	46.0	
481.5	10.5	22.4	32.9	46.0	
501.2	15.5	22.9	38.4	46.0	
534.6	12.5	23.6	36.1	46.0	
538.1	13.0	23.7	36.7	46.0	
550.0	7.5	23.9	31.4	46.0	
616.0	6.5	25.4	31.9	46.0	
682.0	6.0	27.2	33.2	46.0	
726.0	6.5	27.9	34.4	46.0	
800.0	4.0	28.5	32.5	46.0	
902.0	3.0	30.6	33.6	46.0	
924.0	4.5	30.9	35.4	46.0	
968.0	3.5	31.6	35.1	54.0	

Result:
Limit kept

Project file:
56305-90204-1

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

Model: LUC PC24E-H-FC
 Type: RF-modem for wireless LAN
 Serial No.: 90990005
 Applicant: Lucent Technologies Nederland B.V.
 Test-site: Semi anechoic room
 Test distance: 3 meters
 Date of test: 04/15/1999
 Operator: R. Heller

Mode: - RF-modem PC24E-H-FC mounted in AT & T Globalyst 550
 via ISA card ISAPC-B0 (#B2-8)
 - FCC test setup
 - supply voltage 115 V AC
 - with external antenna AOU24-OD-77 (Maxrad)
 - with 50 ft 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]
2.0951	horizontal	43.6	-93.9		29.4	42.5	74

Result: The limits are kept

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

Model: LUC PC24E-H-FC
 Type: RF-modem for wireless LAN
 Serial No.: 90990005
 Applicant: Lucent Technologies Nederland B.V.
 Test-site: Semi anechoic room
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 - FCC test setup
 - supply voltage 115 V AC
 - with external antenna AOU24-OD-77 (Maxrad)
 - with 50 ft 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]
2.0901	horizontal	37.1	-100.2		29.4	36.2	54

Result: The limits are kept