

Straubing, 24 March 2003-03-24

TEST - REPORT

No. 56102-30059-1

for

JE 01

Wireless Audio System

Applicant: Jasco Products Company LLC

Purpose of testing: To show compliance with

FCC Code of Federal Regulations,
Part 15 Subpart C, Section §15.235

Industry Canada Radio Standards
Specification RSS-210 Issue 5,
Section 8.6.2 (Category I Equipment)

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):	JE 01
Serial number(s):	Sample no. 1
Type of equipment:	Wireless Audio System
Parts/accessories:	---
FCC-ID:	QXU97686
Applicant: (full address)	Jasco Products Company LLC 311 Northwest 122 nd Street Oklahoma City, OK 731114, USA
Contract identification:	Verbal
Contact person:	Mr. Jason Trice
Manufacturer:	Artchief Industries Ltd
Receipt of EUT:	January 31, 2003
Date of test:	February 18 to 20, 2003
Note:	---
Responsible for testing:	Rainer Heller
Responsible for test report:	Rainer Heller

2. Identification of Test Laboratory

Test Laboratory: (full address):	Senton GmbH EMI/EMC Test Center Aeussere Fruehlingstrasse 45 D-94315 Straubing Germany
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Contact person:	Mr. Johann Roidt
Communication:	Telephone (+49) 0 94 21 / 55 22-0 Fax (+49) 0 94 21 / 55 22-99 eMail: Office@senton.de

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

3. Summary of Test Results

The tested sample complies with the requirements set forth in the

Code of Regulations Part 15 Subpart C, Section §15.235 (Operation within the band 49.82 – 49.90 MHz) of the Federal Communication Commission (FCC)

and the

Radio Standards Specification RSS-210 Issue 5, Section 8.6.2 for Low Power Licence-Exempt Radiocommunication Devices (all frequency bands).



Johann Roidt
Technical Manager

4. Operation Mode of EUT

TX continuously active with external modulation

5. Configuration of EUT and Peripheral Devices

Configuration of cables of EUT

- Not applicable

Configuration of peripheral devices connected to EUT

- Not applicable

6. Measuring Methods

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

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

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

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

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
005, 016, 104, 125, 127

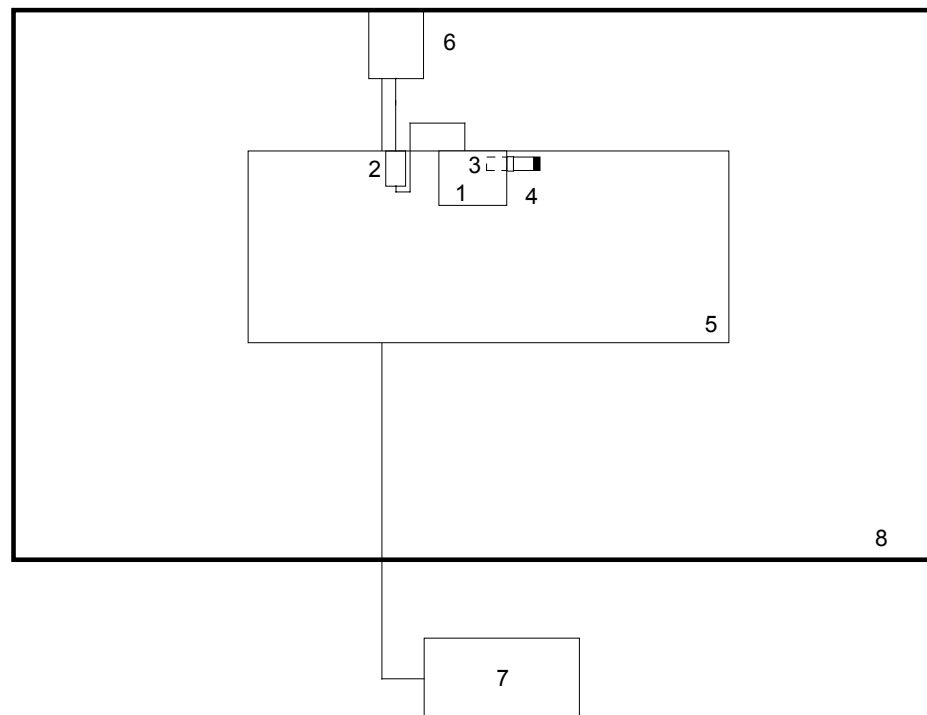


Figure 1: Measurement setup for conducted emission test

- | | | | |
|---|--------------------|---|---------------|
| 1 | EUT | 6 | LISN for EUT |
| 2 | AC adapter for EUT | 7 | Test receiver |
| 3 | | 8 | Shielded room |
| 4 | | | |
| 5 | Wooden table | | |

6.2. Radiated Emission 30 MHz - 1 GHz (FCC §15.205.a,b, §15.209, §15.235 / RSS-210 Section 8.6.2)

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

The test setup is made in accordance with ANSI C63.4-1992.

Measurements are made in both the horizontal and vertical planes of polarization.

Preliminary scans are taken in a semi-anechoic room using a spectrum analyzer with the detector function set to peak. Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing.

All tests are performed at a test-distance of 3 meters.

For final testing an open-area test-site is used. During the tests the EUT is rotated all around and the receiving-antenna is raised and lowered from 1 meter to 4 meters to find the maximum levels of emissions. The cables and equipment is placed and moved within the range of position likely to find their maximum emissions.

See figure 2 for the measurement setup.

Test equipment used (see equipment list for details):

001, 003, 004, 014, 015, 016, 102, 106, 141 - 144, 172

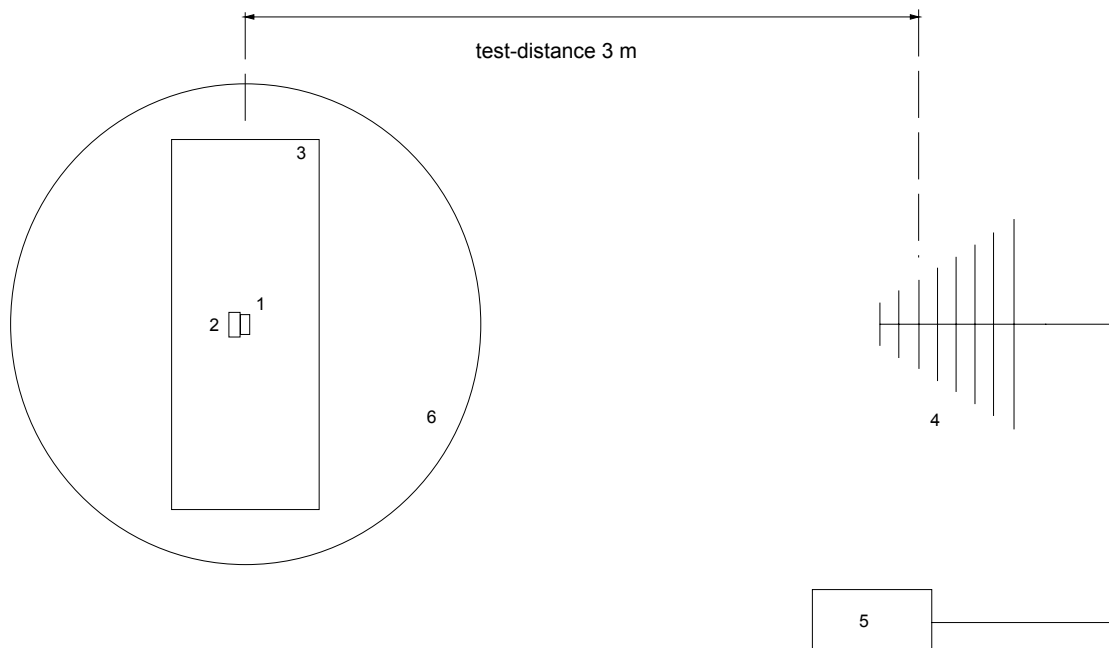


Figure 2: Measurement setup for radiated emission test up to 1 GHz

- | | | | |
|---|--------------------------------|---|---------------------|
| 1 | Transmitter (EUT) | 4 | Measurement antenna |
| 2 | Wooden pedestal (if necessary) | 5 | Test receiver |
| 3 | Wooden table | 6 | Turn table |

7. Equipment List

To simplify the identification on each page of the test report, each item of test equipment and ancillaries such as cables is identified (numbered) by the test laboratory (version 01/18/2002), below.

General Test Equipment and Ancillaries

No.	Instrument/Ancillary	Type	Serial Number	Manufacturer
001	Open area test site	EG 1		Senton
002	Shielded room	No. 1	1451	Albatross
003	Fully anechoic room	No. 2	1452	Albatross
004	Semi-anechoic room	No. 3	1453	Siemens
005	Shielded room	No. 4	3FD 100 544	Euroshield
006	Shielded room	No. 5	5468	Ray Proof Division
007	Temperature test chamber	HT4010	07065550	Heraeus
008	Cable	RG214	1309	Senton
009	Cable	200CM_001	1357	Rosenberger
010	Cable	150CM_001	1479	Rosenberger
011	Cable	150CM_002	1480	Rosenberger
012	Cable set EG1	RG214	1189 - 1191	Senton
013	Cable set cabin no. 1	RG214		Senton
014	Cable set cabin no. 2	UTIFLEX		Rosenberger
015	Cable set cabin no. 3	RG214		Senton
016	Cable set cabin no. 4	RG214		Senton
017	DC power supply	NGSM 32/10	203	Rohde & Schwarz
018	DC power supply	NGB	2455	Rohde & Schwarz
019	DC power supply	NGA	386	Rohde & Schwarz
020	Isolating transformer	RT 5A	10387	Grundig
021	Isolating transformer	RT 5A	10416	Grundig
022	Digital multimeter	199	463386	Keithley
023	Multimeter	HP E2373A	2927J03345	Hewlett Packard
024	DC-block 0.01 - 18 GHz		8037	Inmet
025	DC-block	7006	A2798	Weinschel
026	Digital multimeter	UDS 5	838760/001	Rohde & Schwarz

Test Equipment and Ancillaries used for Emission Tests

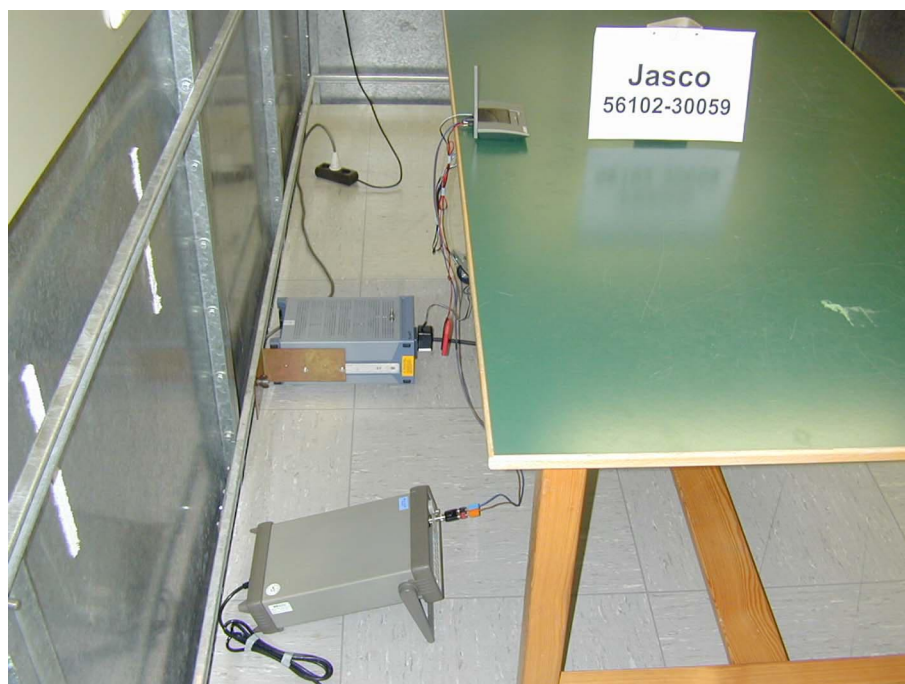
No.	Instrument/Ancillary	Type	Serial Number	Manufacturer
101	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
102	Spectrum analyzer	FSP30	100036	Rohde & Schwarz
103	Test receiver	ESH 3	880112/032	Rohde & Schwarz
104	Test receiver	ESHS 10	860043/016	Rohde & Schwarz
105	Test receiver	ESV	881414/009	Rohde & Schwarz
106	Test receiver	ESVP	881120/024	Rohde & Schwarz
107	Audio analyzer	UPA	862954	Rohde & Schwarz
108	Radio communication service monitor	CMS 54	838384/030	Rohde & Schwarz
109	Power meter	NRVS	836856/015	Rohde & Schwarz
110	Power sensor	NRV-Z52	837901/030	Rohde & Schwarz
111	Power sensor	NRV-Z4	863828/015	Rohde & Schwarz
112	Preamplifier	ESV-Z3	860907/004	Rohde & Schwarz
113	Preamplifier	CPA9231A	3393	Schaffner
114	Preamplifier	AFS3-00100800-32-LN	847743	Miteq
115	Preamplifier	ACO/180-3530	32641	CTT
116	Signal generator	SMY 01	830694/001	Rohde & Schwarz
117	Signal generator	HP 8673 D	2930A00966	Hewlett Packard
118	Waveform generator	HP 33120 A	US34005375	Hewlett Packard
119	UHF attenuator set	DPU	300771/075	Rohde & Schwarz
120	UHF attenuator set	DPU	300788/006	Rohde & Schwarz
121	Attenuator	4776-10	9412	Narda
122	Attenuator	4776-20	9503	Narda
123	Pulse limiter	ESH 3-Z2	1144	Rohde & Schwarz
124	Pulse limiter	11947 A	3107A00566	Hewlett Packard
125	V-network	ESH 3-Z5	862770/018	Rohde & Schwarz
127	V-network	ESH 3-Z5	830952/025	Rohde & Schwarz
128	V-network	ESH 3-Z6	830722/010	Rohde & Schwarz
129	V-network	NSLK 8127	8127152	Schwarzbeck
130	Artificial mains network	ESH 2-Z5	842966/004	Rohde & Schwarz
131	T-network	ESH 3-Z4	890602/011	Rohde & Schwarz
132	T-network	ESH 3-Z4	890602/012	Rohde & Schwarz
133	Diode detector negative	8473D	01492	Hewlett Packard

Test Equipment and Ancillaries used for Emission Tests (continued)

No.	Instrument/Ancillary	Type	Serial Number	Manufacturer
134	High impedance probe	TK 9416	01	Schwarzbeck
135	High impedance probe	TK 9416	02	Schwarzbeck
136	Current probe	ESH 2-Z1	863366/18	Rohde & Schwarz
137	Current probe	ESV-Z1	862553/3	Rohde & Schwarz
138	Absorbing clamp	MDS 21	80911	Lüthi
139	Absorbing clamp	MDS 21	79690	Lüthi
140	Loop antenna	HFH2-Z2	882964/1	Rohde & Schwarz
141	Biconical antenna	HK 116	836239/02	Rohde & Schwarz
142	Biconical antenna	HK 116	842204/001	Rohde & Schwarz
143	Log. periodic antenna	HL 223	834408/12	Rohde & Schwarz
144	Log. periodic antenna	HL 223	841516/023	Rohde & Schwarz
145	Horn antenna	3115	9508-4553	Emco
146	Horn antenna	3160-03	9112-1003	Emco
147	Horn antenna	3160-04	9112-1001	Emco
148	Horn antenna	3160-05	9112-1001	Emco
149	Horn antenna	3160-06	9112-1001	Emco
150	Horn antenna	3160-07	9112-1008	Emco
151	Horn antenna	3160-08	9112-1002	Emco
152	Horn antenna	3160-09	9403-1025	Emco
153	Stub tuner	904N	04	Narda
154	Mains analyzer	DPA 503	496 - 02	EM Test
155	Controller	HIS 500	X71010	EM Test
156	AC Amplifier	ACS 500	HK51736	EM Test
157	Mains impedance	AIF 500	X71062	EM Test
158	T-Section	BN 42441/50	300808/2	Rohde & Schwarz
159	T-Section	BN 42441/50	300772/29	Rohde & Schwarz
160	Coaxial Switch	HR 07-720	30185	WISI
161	Coaxial resistor	8135	15972	Bird
162	Dummy microphone circuit	DMC-ED-23-B	---	Senton
163	Sampling unit	SU-ED-23-B	---	Senton
164	Detector unit	DU-ED-23-B	---	Senton
165	Oscilloscope	54602B	US35060304	Hewlett Packard
166	Test probe	TP01	001	Senton
167	Serial interface converter	SIC-V24-TTL	001	Senton
168	Dual Directional Coupler	HP 778D	0826A01562	Hewlett Packard
169	White Noise Generator	NG01	001	Senton
170	Audio Filter Circuit	AFC01	001	Senton
171	Preamplifier	R14601		Advantest
172	Spectrum analyzer	R 3271	05050023	Advantest

8. Photographs Taken During Testing

Test setup for conducted AC powerline emission measurement



**Test setup for radiated emission measurement
- Prescans in anechoic chamber -**



**Test setup for radiated emission measurement
- Final measurement in in open field test site -**



9. List of Measurements

9.1. List of Measurements According To FCC Part 15 Subpart C

FCC Part 15 Subpart C			
Section(s):	Test	Page(s)	Result
15.207	Conducted AC powerline emissions		Pass
15.235 (a)	Field strength of emissions in the 49.82 – 49.90 MHz frequency band		Pass
15.235 (b)	Field strength of emissions outside the 49.82 – 49.90 MHz frequency band		Pass
15.109	Receiver Field Strength of emissions		Pass

9.2. List of Measurements According To Industry Canada RSS-210

Industry Canada RSS-210 Issue 5			
Section(s):	Test	Page(s)	Result
6.6, 7.4	Conducted AC powerline emissions		Pass
8.6.2	Field strength of emissions in the 49.82 – 49.90 MHz frequency band		Pass
8.6.2	Field strength of emissions outside the 49.82 – 49.90 MHz frequency band		Pass

10. Referenced Regulations

All tests were performed with reference to the following regulations and standards:

☒	FCC Part 15 Subpart A	Code of Regulations Part 15 (Radio Frequency Devices), Subpart A (General) of the Federal Communication Commission (FCC)	May 2002
☐	FCC Part 15 Subpart B	Code of Regulations Part 15 (Radio Frequency Devices), Subpart B (Unintentional Radiators) of the Federal Communication Commission (FCC)	May 2002
☒	FCC Part 15 Subpart C	Code of Regulations Part 15 (Radio Frequency Devices), Subpart C (Intentional Radiators) of the Federal Communication Commission (FCC)	May 2002
☒	ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz - 40 GHz	October, 1992
☒	RSS-210	Radio Standards Specification RSS-210 Issue 4 for Low Power Licence-Exempt Radiocommunication Devices (all frequency bands)	December 2000

11. Test Results

**Measurement of AC power line conducted emissions,
Part 15, Subpart C, Section 15.207
Frequency Band 0.15 - 30 MHz**

Model: JE 01
Type: Wireless Audio System
Serial No. Sample no. 1
Applicant: Jasco Products Company LLC
Test Site: Shielded room, cabin no. 4
Date of Test: 04 June 2002

Frequency (MHz)	Detector	Receiver Reading (dBµV)	Correction Factor (dB)	Final Value (dBµV)	Limit (dBµV)	Margin (dB)
0.15 - 30	Peak	> 20 dB margin to average limit				

**Field Strength of Emissions within the band 49.92 – 49.90 MHz
Part 15, Subpart C, Section 15.235 (a)**

Model: JE 01
Type: Wireless Audio System
Serial No. Sample no. 1
Applicant: Jasco Products Company LLC
Test Site: Open field test site EGI
Distance: 3 meters
Date of Test: 20 February 2003

Frequency (MHz)	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
49.86	66.4	10.5	76.9	80.0	3.1

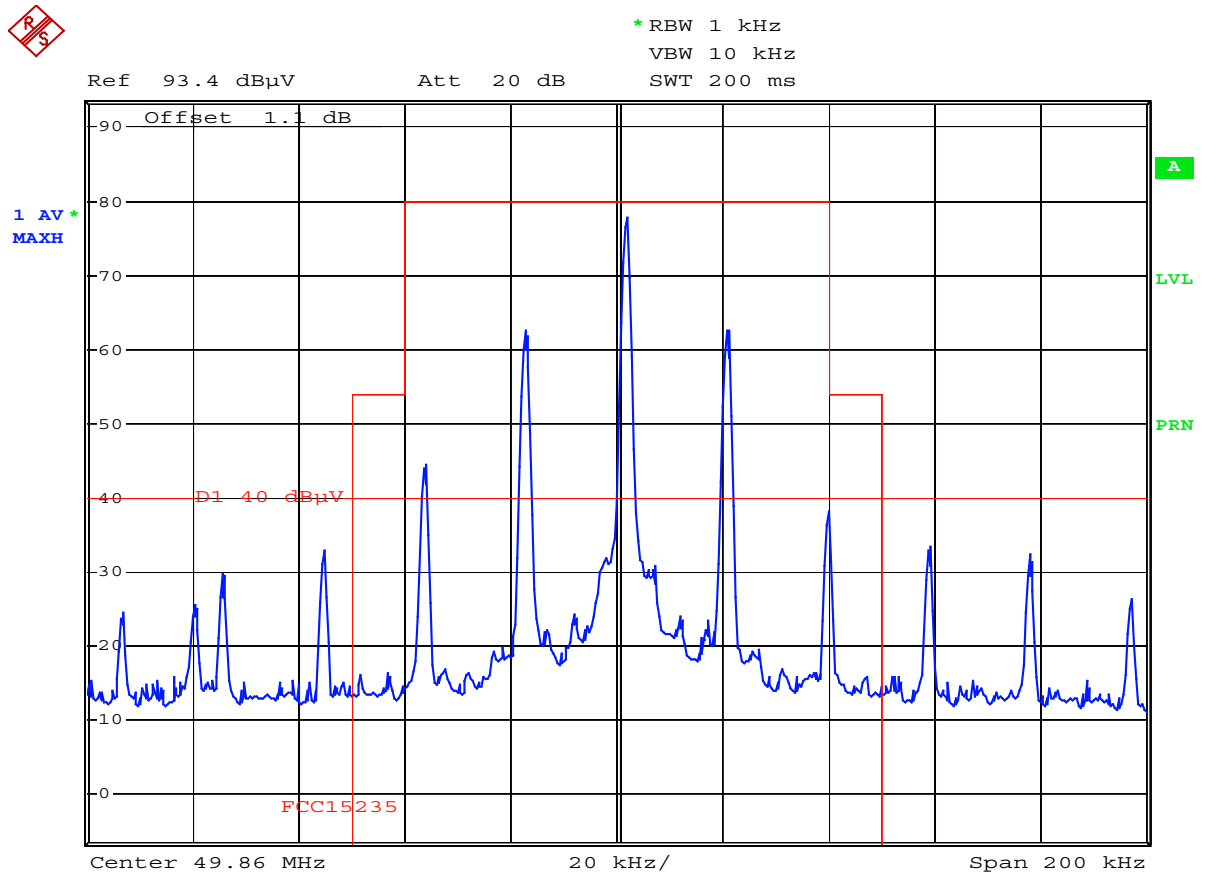
Sample calculation of field strength values:

Field Strength (dBμV/m) = Receiver Reading (dBμV) + Correction Factor (dB)

**Field Strength of Emissions outside the band 49.82 – 49.90 MHz
Part 15, Subpart C, Section 15.235 (b)**

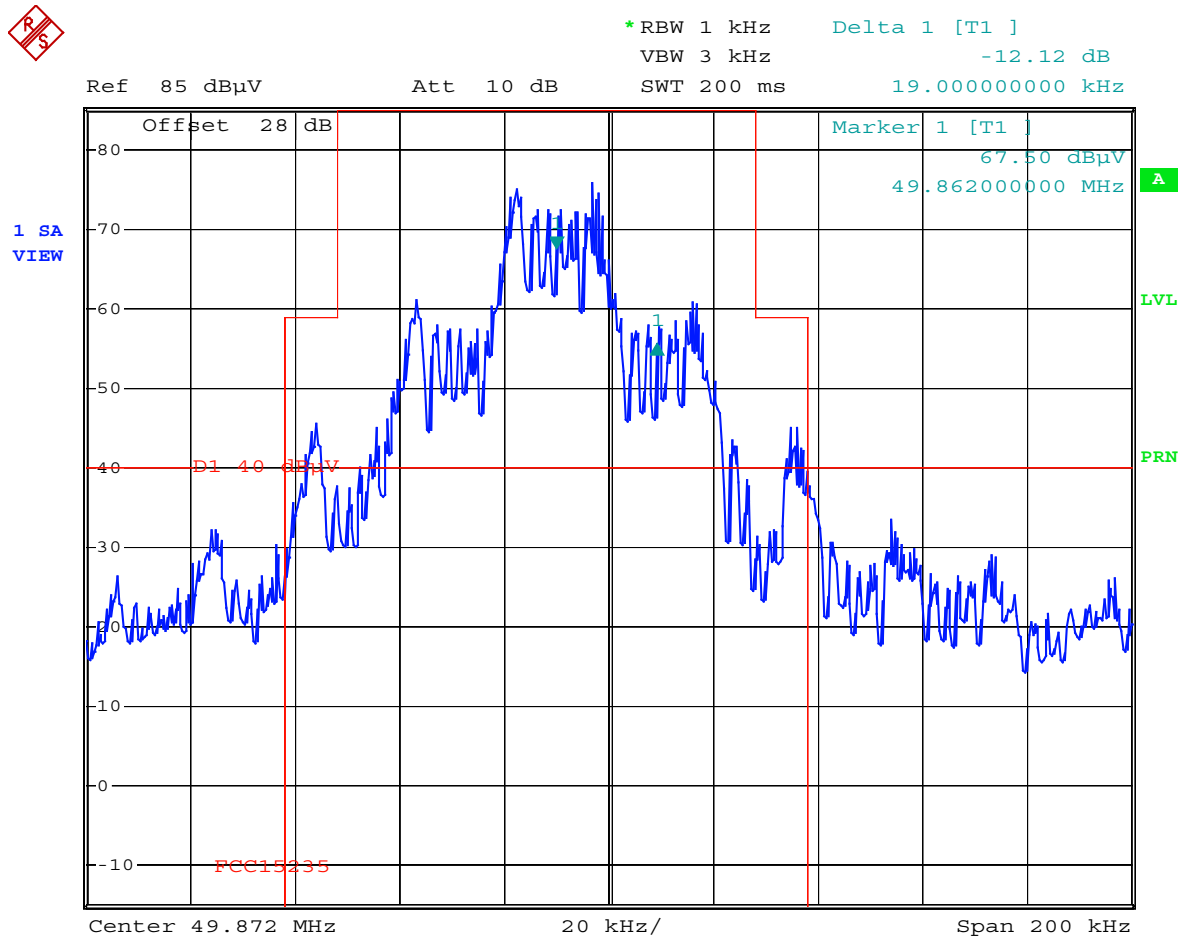
Model:	JE 01
Type:	Wireless Audio System
Serial No.	Sample no. 1
Applicant:	Jasco Products Company LLC
Test Site:	Fully anechoic room, cabin no. 2
Distance:	3 meters
Reference:	Maximum value of unmodulated carrier recorded in Open Field Test Site EGI
Date of Test:	February 20, 2003

Figure 1: Field Strength of Emissions at band edges without modulation



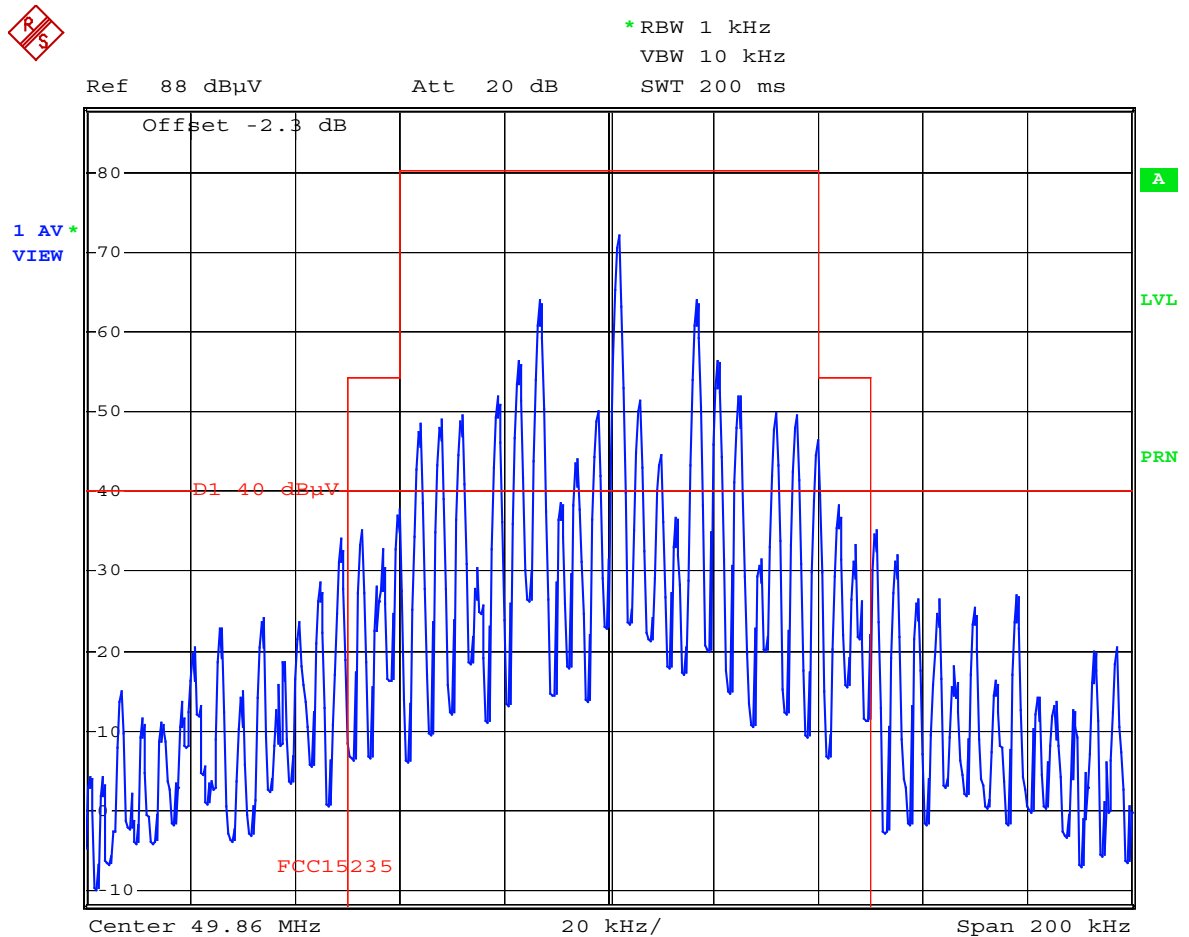
Comment A: JA30059 Spectrum mask no modulation, modified
Date: 4.MAR.2003 14:25:29

Figure 2: Field Strength of Emissions at band edges with modulation 200 mV, 1 kHz



Comment A: JA30059 Spectrum mask 200 mV, 1 kHz
Date: 1.MAR.2003 17:42:55

Figure 3: Field Strength of Emissions at band edges with modulation 200 mV, 15 kHz



Comment A: JA30059 Spectrum mask 200 mV, 15 kHz, modified
Date: 4.MAR.2003 14:19:00

Field Strength of Emissions outside the band 49.82 – 49.90 MHz
Part 15, Subpart C, Section 15.235 (b)
- continued -

Model: JE 01
Type: Wireless Audio System
Serial No. Sample no. 1
Applicant: Jasco Products Company LLC
Test Site: Open Field Test Site EGI
Distance: 3 meters
Date of Test: February 20, 2003

Frequency (MHz)	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
99.73	31.6	10.6	42.2	43.5	1.3
122.88	22.1	12.5	34.6	43.5	8.9
149.59	28.3	14.0	42.3	43.5	1.2
199.45	9.3	16.6	25.9	43.5	17.6
299.17	6.8	22.5	29.3	46.0	16.7
448.77	6.7	19.9	26.6	46.0	19.4
498.59	8.3	20.7	29.0	46.0	17.0
847.64	3.8	26.7	30.5	46.0	15.5
897.53	4.1	27.4	31.5	46.0	14.5

Sample calculation of field strength values:

Field Strength (dBμV/m) = Receiver Reading (dBμV) + Correction Factor (dB)

Receiver Field Strength of Emissions Part 15, Subpart B, Section 15.109

Model: JE 01
 Type: Wireless Audio System
 Serial No. Sample no. 1
 Applicant: Jasco Products Company LLC
 Test Site: Open Field Test Site EGI
 Distance: 3 meters
 Date of Test: February 20, 2003

Frequency (MHz)	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
36,88	15,4	12,5	27,9	40,0	12,1
39,16	22,1	12,1	34,2	40,0	5,8
149,6	9,3	14,0	23,3	43,5	20,2
156,64	18,3	14,1	32,4	43,5	11,1

Sample calculation of field strength values:

Field Strength (dBμV/m) = Receiver Reading (dBμV) + Correction Factor (dB)

Charts taken during Testing

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord Transmitter (120 V)
Phase N

Date of test: 02/18/2003 Operator: W. Straubinger

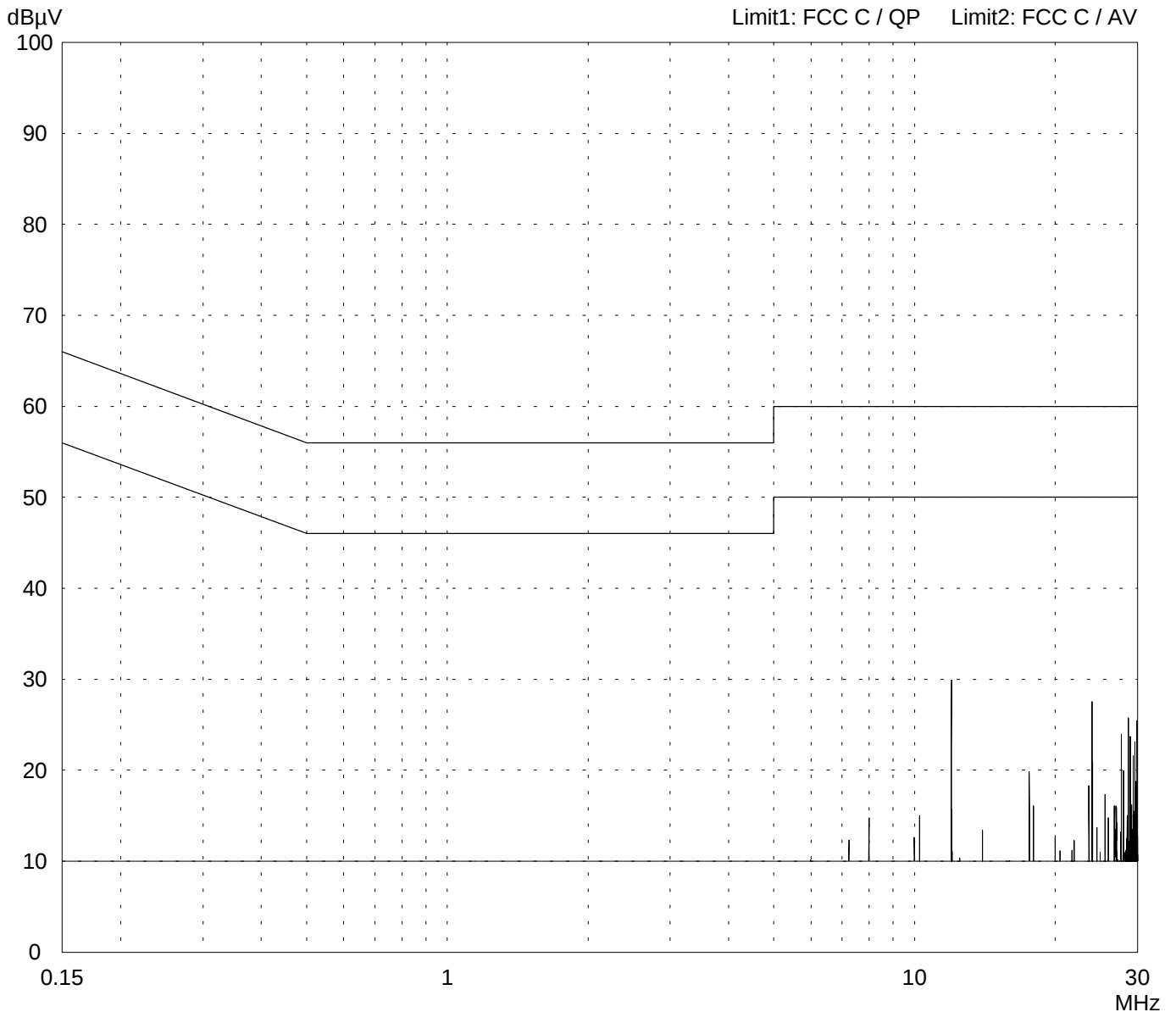
Test performed: automatically File name:

Mode:

- Normal operation mode
120 V power supply
transmitting, with 1 kHz audio signal input

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit kept

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord Transmitter (120 V)
Phase L1

Date of test: 02/18/2003 Operator: W. Straubinger

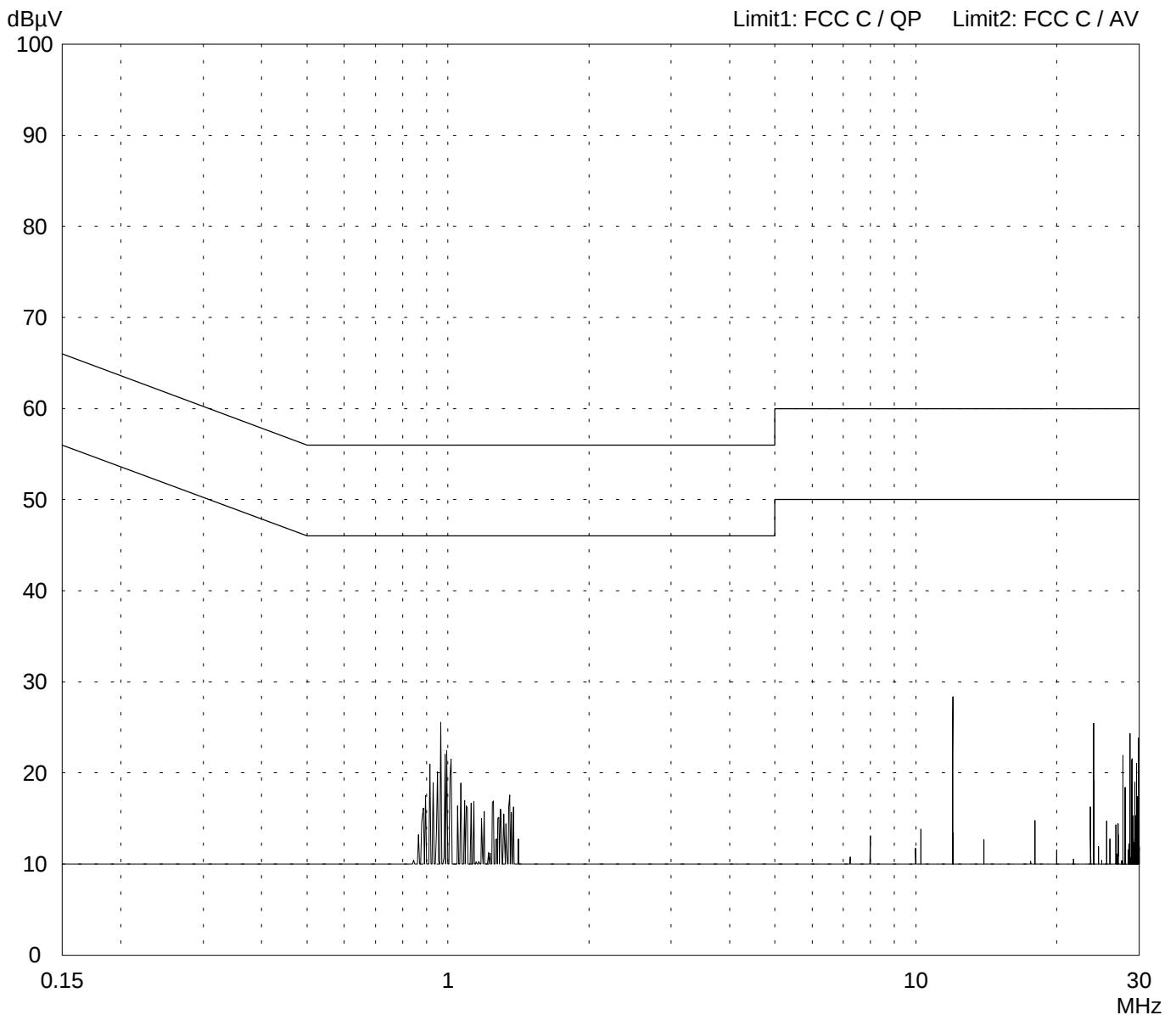
Test performed: automatically File name:

Mode:

- Normal operation mode
120 V power supply
transmitting, with 1 kHz audio signal input

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit kept

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord Receiver (120 V)
Phase L1

Date of test: 02/18/2003 Operator: W. Straubinger

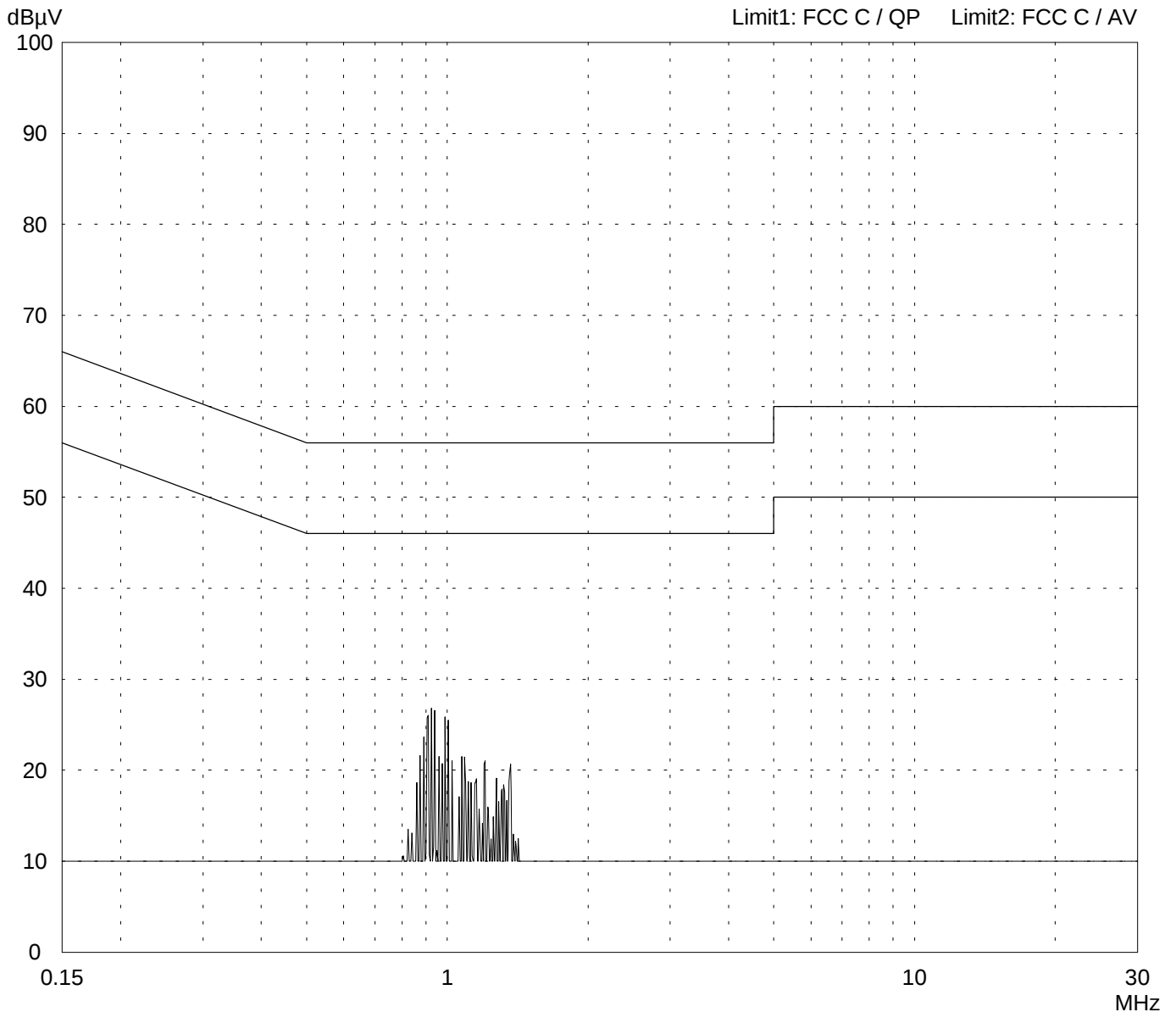
Test performed: automatically File name:

Mode:

- Normal operation mode
120 V power supply
receiving, with 1 kHz audio signal input

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit not kept

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord Receiver (120 V)
Phase N

Date of test: 02/18/2003 Operator: W. Straubinger

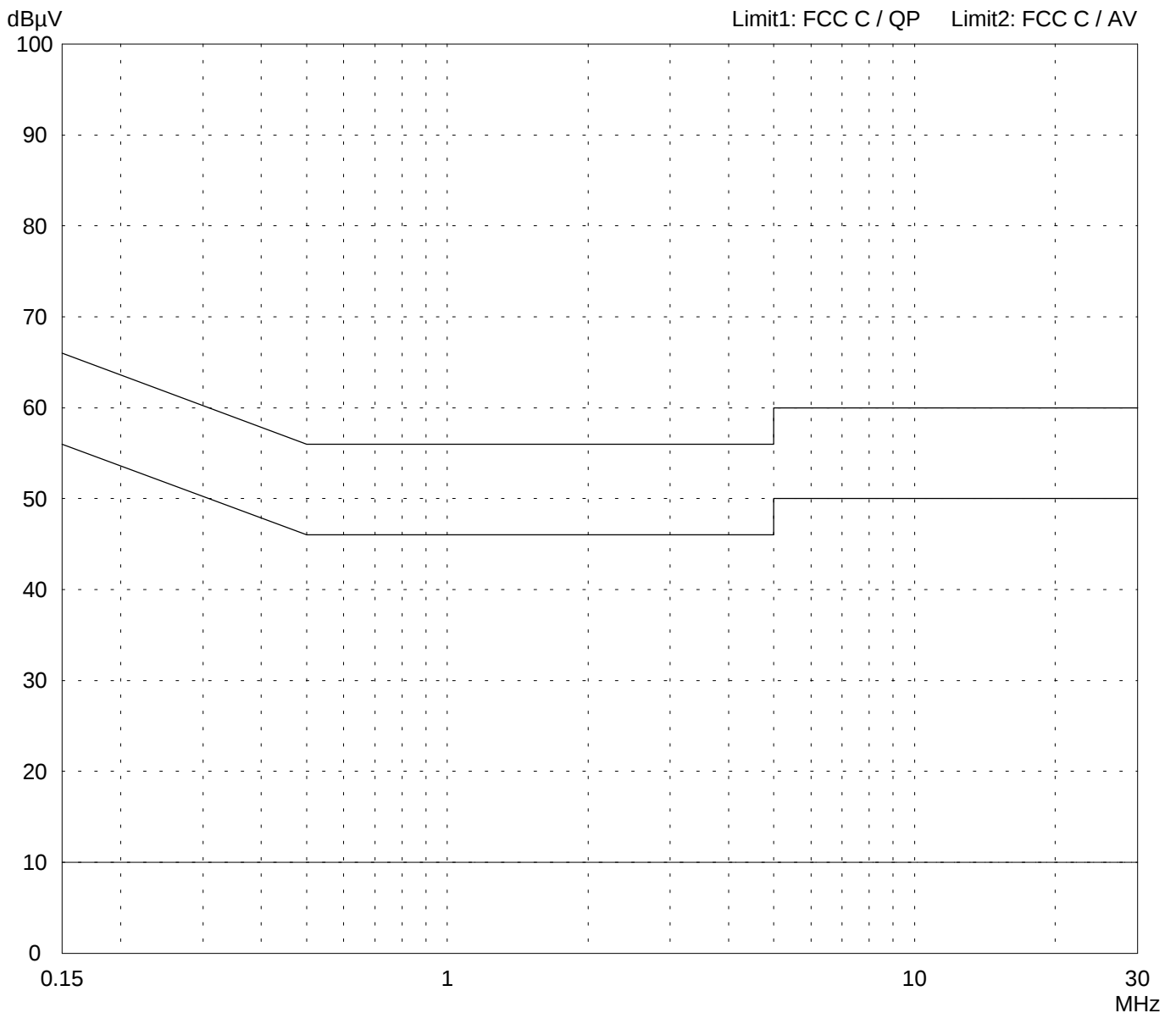
Test performed: automatically File name:

Mode:

- Normal operation mode
120 V power supply
receiving, with 1 kHz audio signal input

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin 25 Subranges



Result:
Limit kept

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Semi anechoic room, cabin no. 3

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 02/18/2003 Operator: W. Straubinger

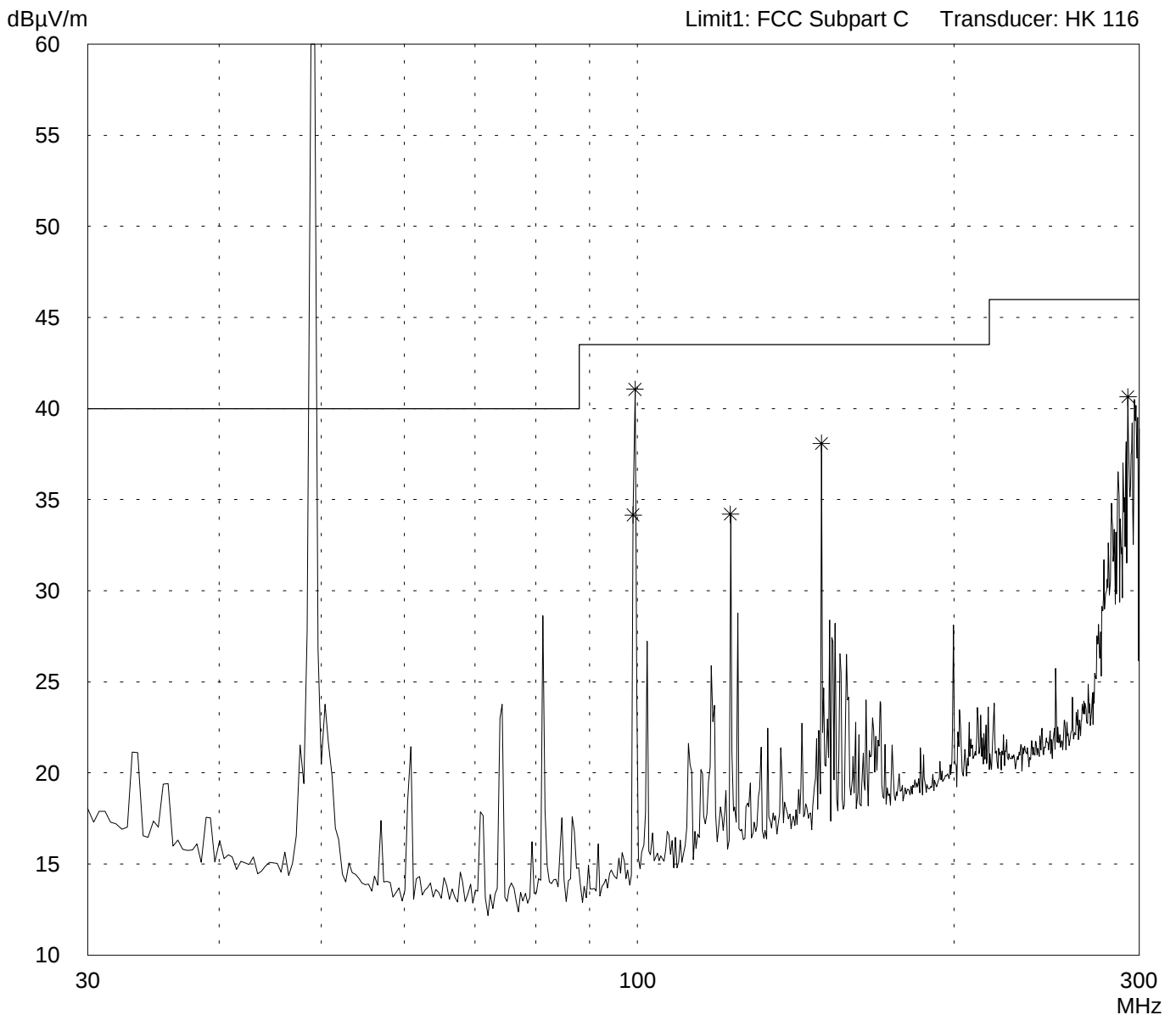
Test performed: automatically File name:

Mode:

- Normal operation mode
Transmitter
transmitting, with 1 kHz audio signal input

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Semi anechoic room, cabin no. 3

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 02/18/2003 Operator: W. Straubinger

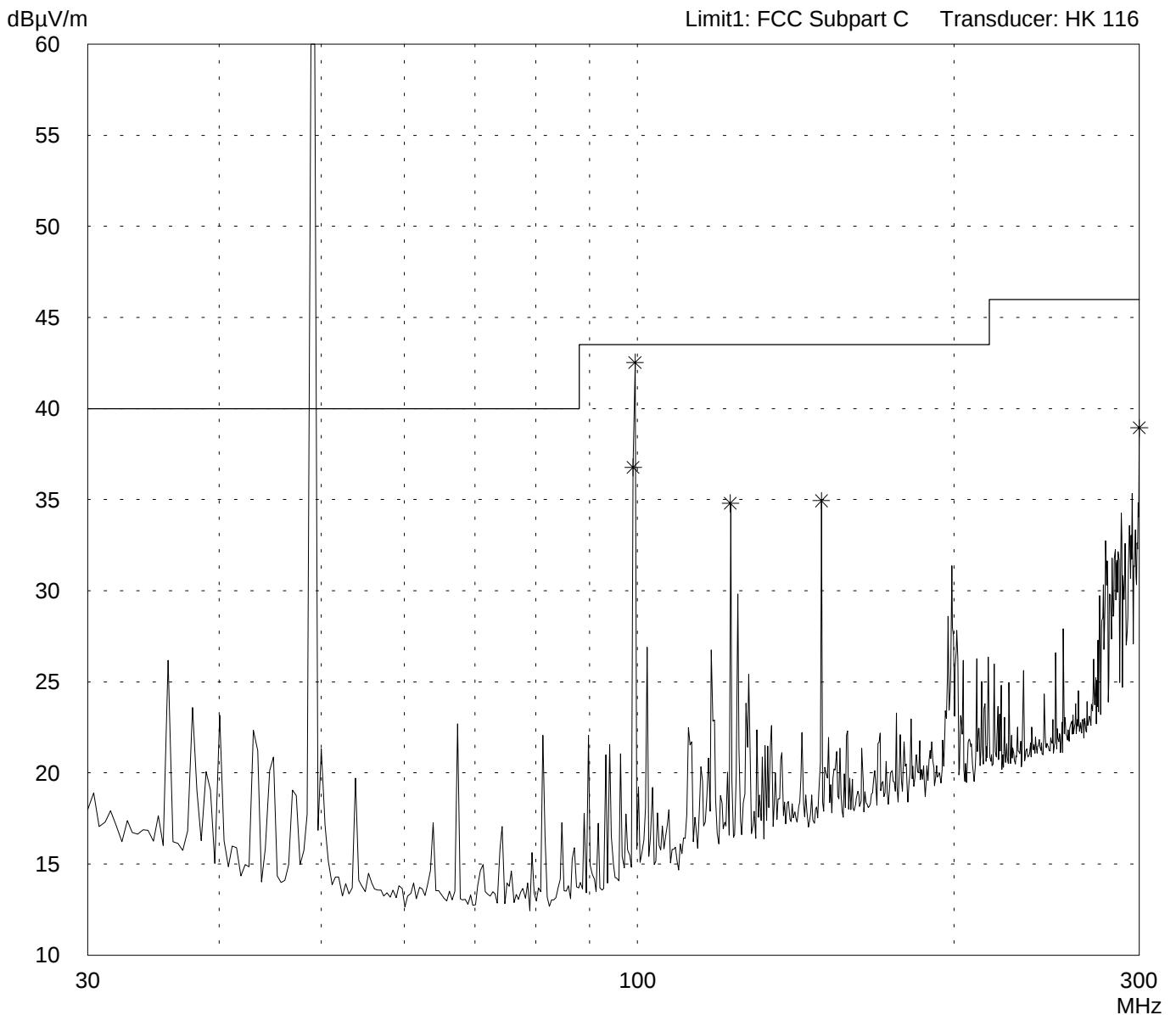
Test performed: automatically File name:

Mode:

- Normal operation mode
Transmitter
transmitting, with 1 kHz audio signal input

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Semi anechoic room, cabin no. 3

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 02/18/2003 Operator: W. Straubinger

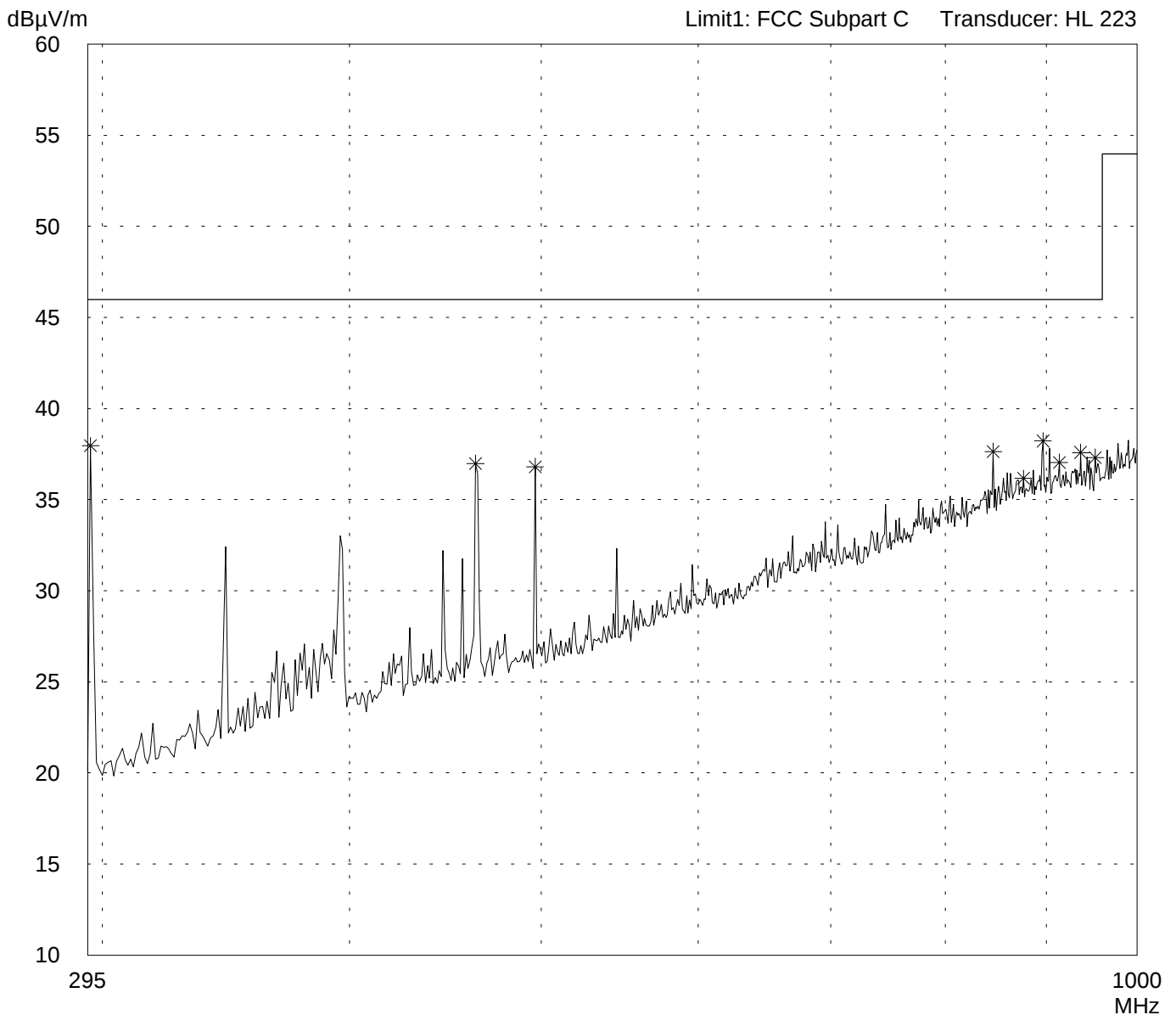
Test performed: automatically File name:

Mode:

- Normal operation mode
Transmitter
transmitting, with 1 kHz audio signal input

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56102-30059

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

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Semi anechoic room, cabin no. 3

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 02/18/2003 Operator: W. Straubinger

Test performed: automatically File name:

Mode:

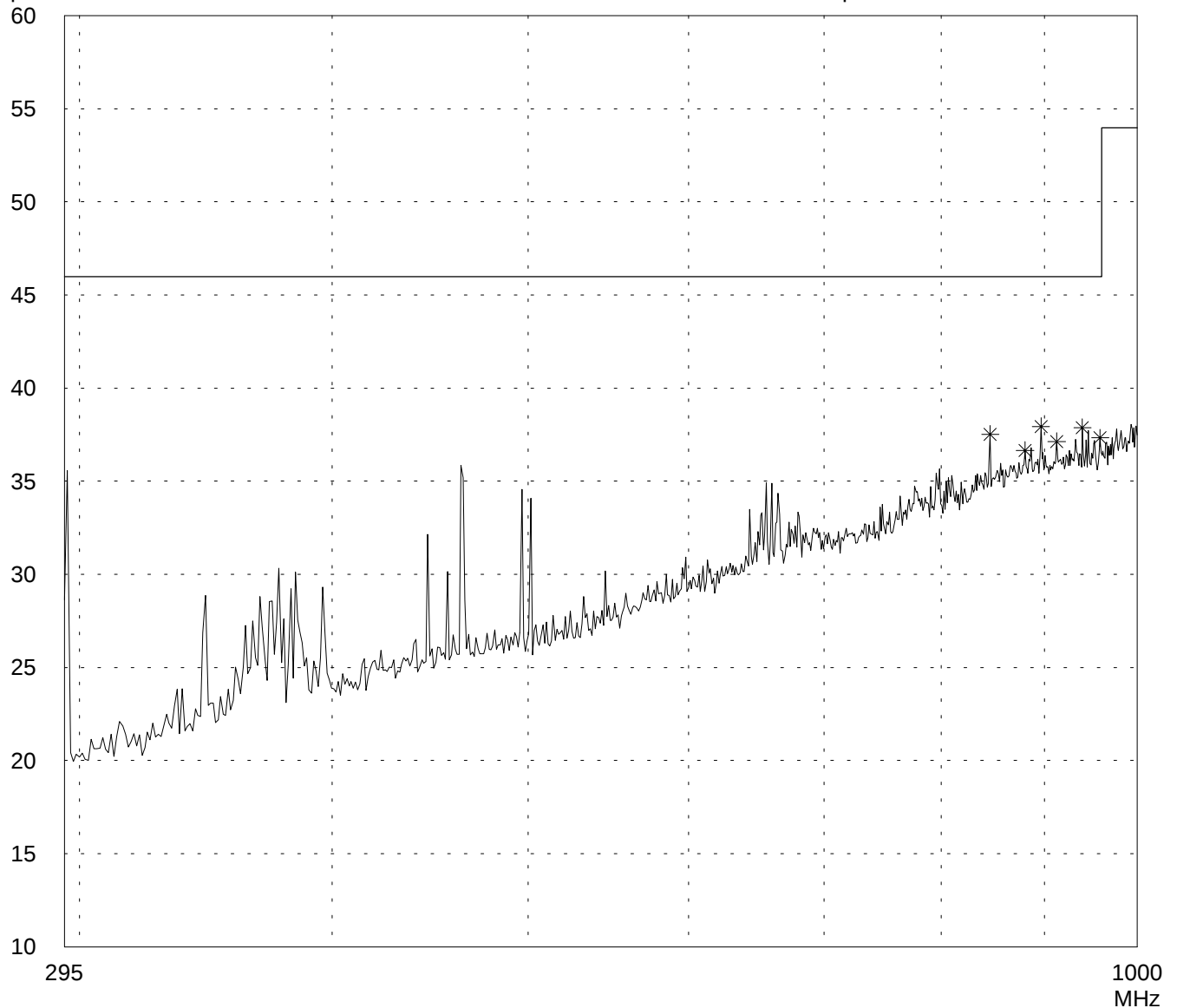
- Normal operation mode
Transmitter
transmitting, with 1 kHz audio signal input

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:
56102-30059

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Radiated Emission Test 30 MHz - 200 MHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Fully anechoic room

Tested on:
**Test distance 3 metres
Horizontal Polarization**

Date of test: 02/18/2003 Operator: **W. Straubinger**

Test performed: automatically File name: **default.emi**

Comment:

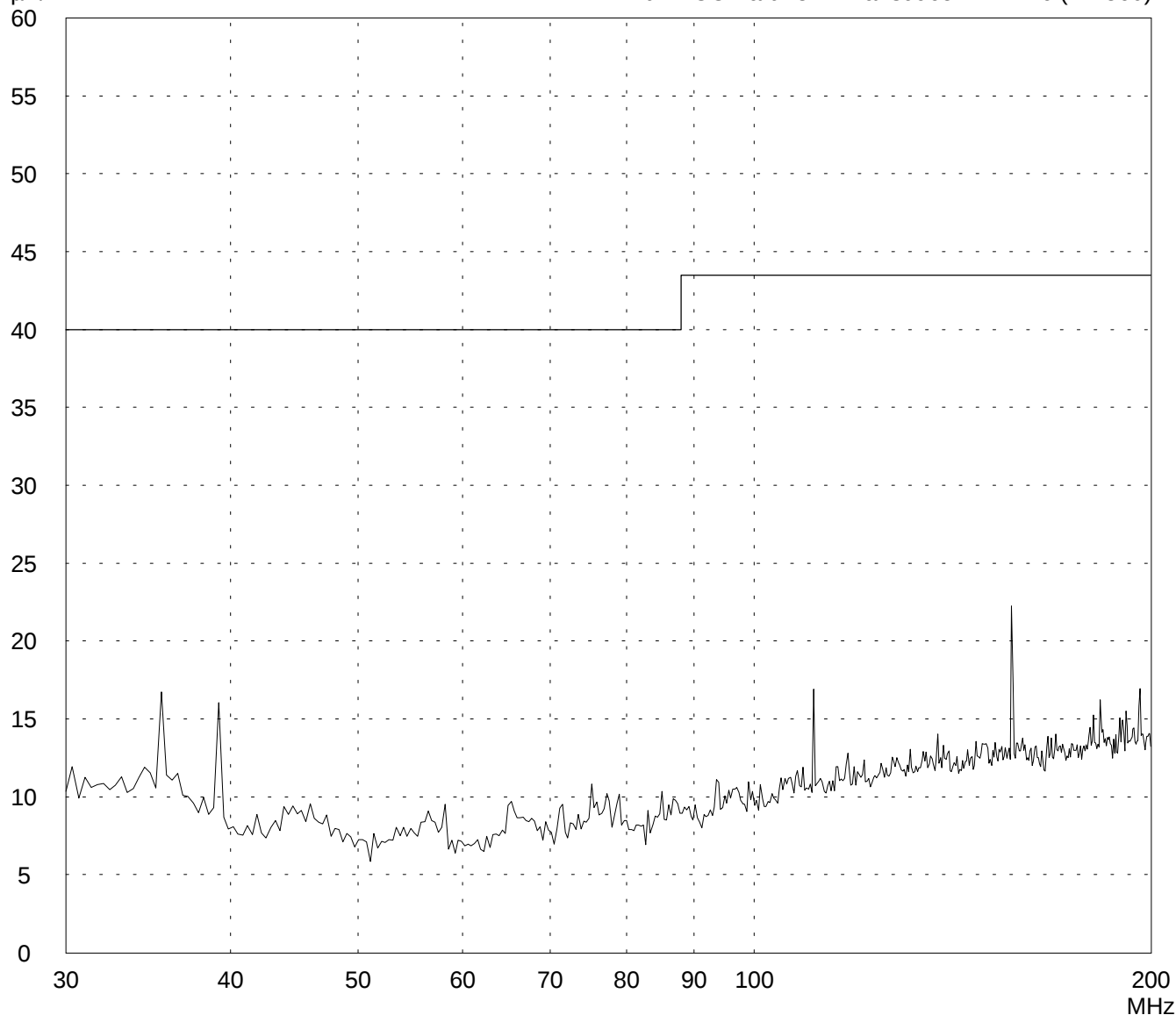
- Normal operation mode
Receiver
Receiving 1 kHz audio signal

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

dBµV/m

Limit1: FCC Part 15 Transducer: HK 116 (A-1560)



Result:
Prescan

Project file:
56502-30090

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Radiated Emission Test 30 MHz - 200 MHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Fully anechoic room

Tested on:
**Test distance 3 metres
Vertical Polarization**

Date of test: 02/18/2003 Operator: **W. Straubinger**

Test performed: automatically File name: **default.emi**

Comment:

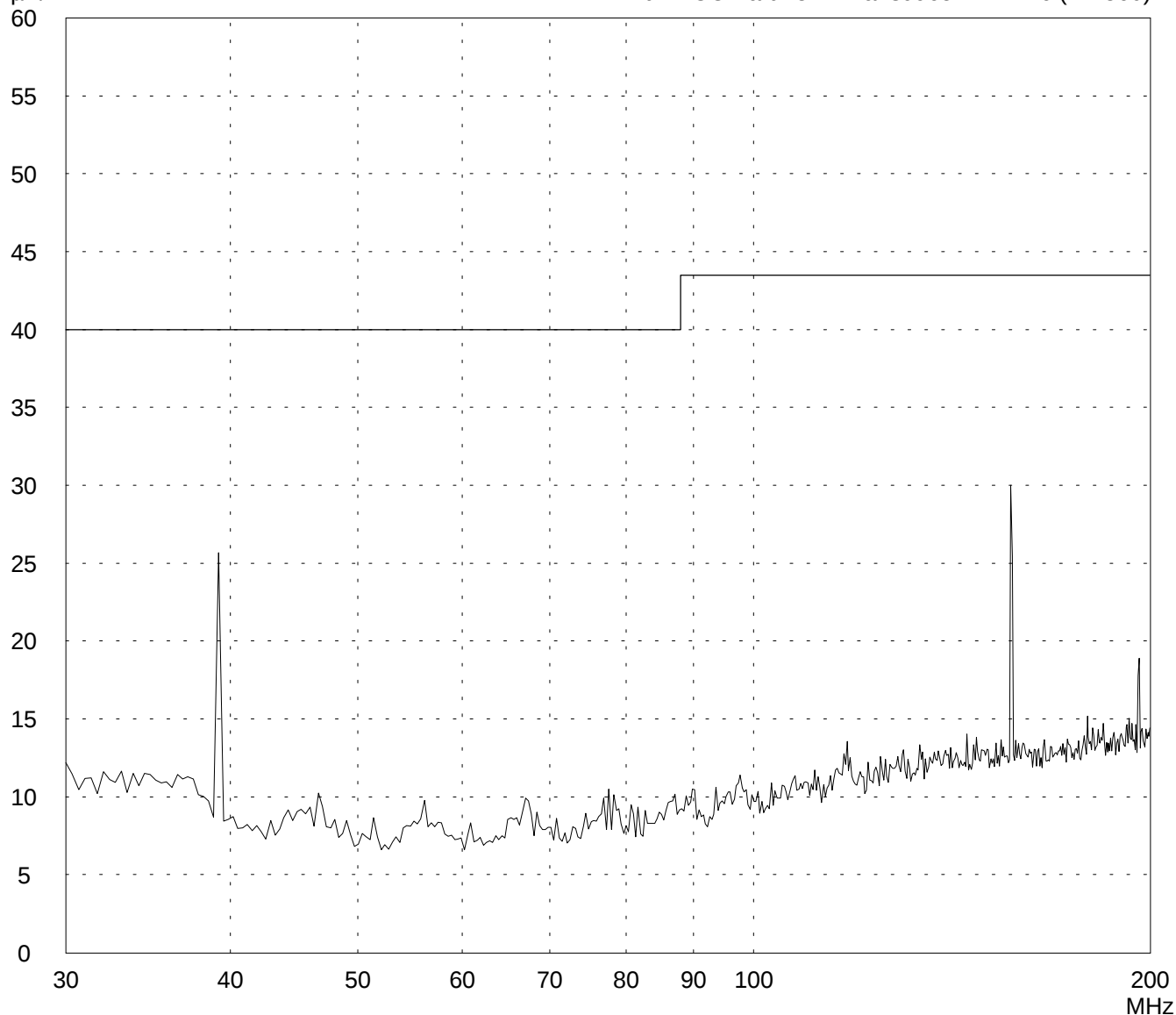
- Normal operation mode
Receiver
Receiving 1 kHz audio signal

Detector:
Peak

List of values:
10 dB Margin 50 Subranges

dBµV/m

Limit1: FCC Part 15 Transducer: HK 116 (A-1560)



Result:
Prescan

Project file:
56502-30090

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Radiated Emission Test 200 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Fully anechoic room

Tested on:
**Test distance 3 metres
Horizontal Polarization**

Date of test: 02/18/2003 Operator: **W. Straubinger**

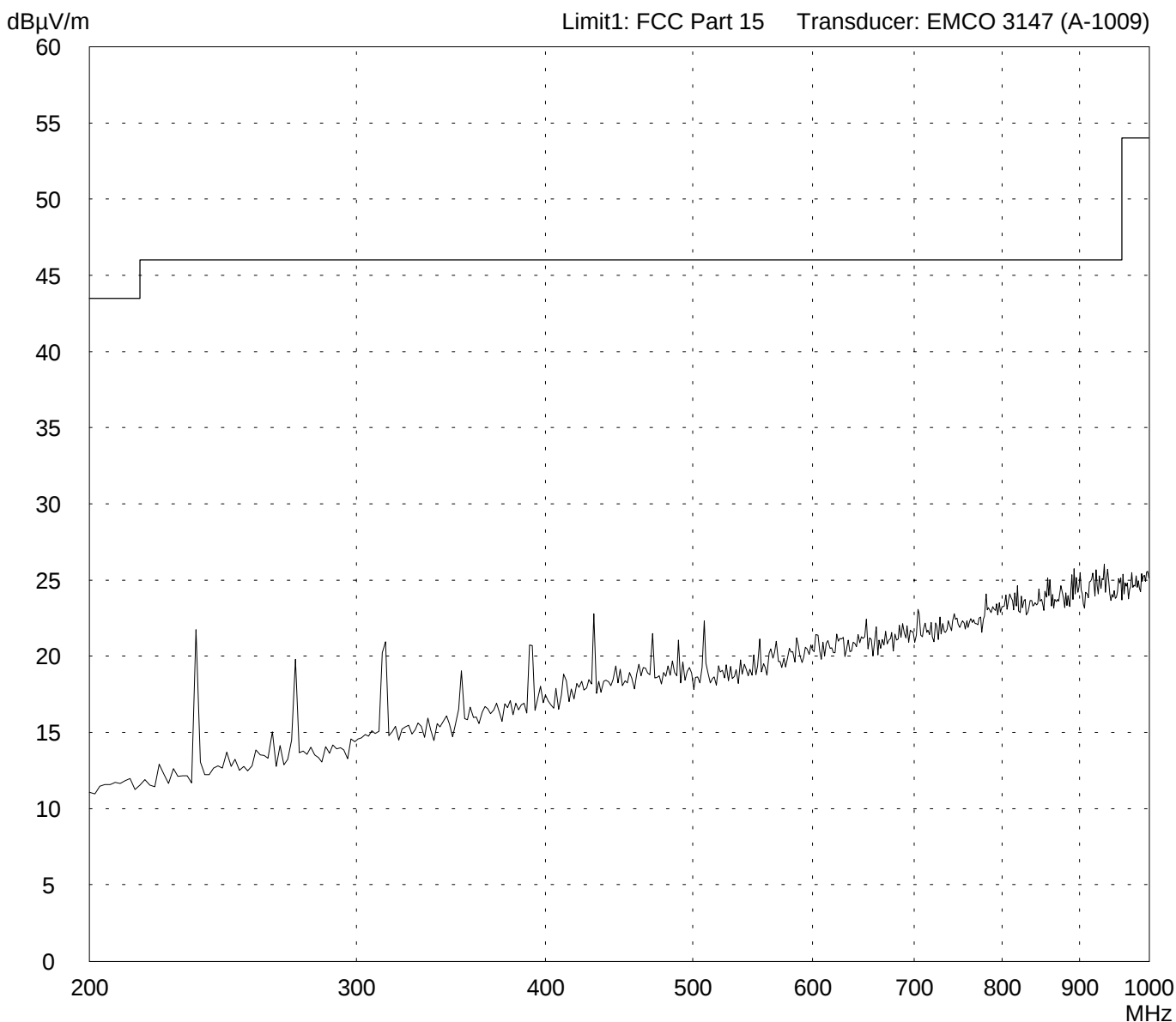
Test performed: automatically File name: **default.emi**

Comment:

- Normal operation mode
Receiver
Receiving 1 kHz audio signal

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56502-30090

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Radiated Emission Test 200 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model:
JE01 49 MHz Audio Transmitter & Receiver

Serial no.:

Applicant:
Artchief Industries Ltd.

Test site:
Fully anechoic room

Tested on:
**Test distance 3 metres
Vertical Polarization**

Date of test: 02/18/2003 Operator: **W. Straubinger**

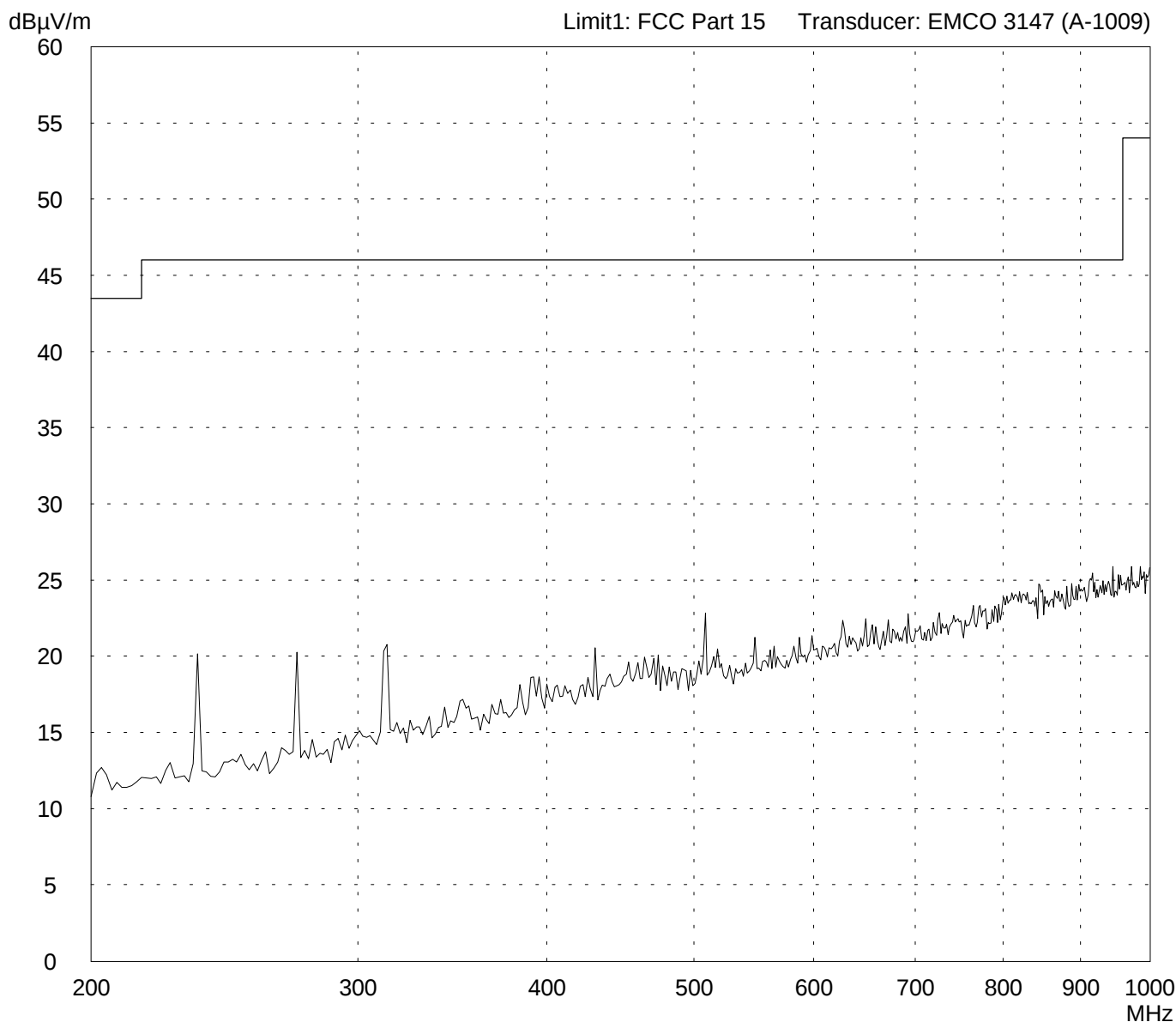
Test performed: automatically File name: **default.emi**

Comment:

- Normal operation mode
Receiver
Receiving 1 kHz audio signal

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
56502-30090

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