



FCC Test Report

FCC Part 15.247 for DSSS systems

For the
Hewlett Packard Company
Notebook PC
Model Number: HSTNN-W26C
FCC ID: QDS-BRCM1019

TEST REPORT #: HEWL4_016_07001_15.247a_BEVOS_5.7G
DATE: 2007-07-06



FCC listed:
A2LA
accredited

IC recognized #
3925A

CETECOM Inc.

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CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686

Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

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1 Assessment

The following is in compliance with the applicable criteria specified in FCC rules Part 15.247 of the Code of Federal Regulations.

Company	Description	Model #
Hewlett Packard Company	Notebook PC	HSTNN-W26C

Technical responsibility for area of testing:

Lothar Schmidt
(Director Regulatory and
Antenna Services)

2007-07-06 EMC & Radio

Date

Section

Name

Signature

This report is prepared by:

Satya Radhakrishna
(EMC Project Engineer)

2007-07-06 EMC & Radio

Date

Section

Name

Signature

The test results of this test report relate exclusively to the test item specified in Identification of the Equipment under Test. The CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the CETECOM Inc USA.

2 Administrative Data

2.1 Identification of the Testing Laboratory

Company Name:	CETECOM Inc.
Department:	EMC
Address:	411 Dixon Landing Road Milpitas, CA 95035 U.S.A.
Telephone:	+1 (408) 586 6200
Fax:	+1 (408) 586 6299
Director Regulatory and Antenna Services:	Lothar Schmidt

2.2 Identification of the Client

Applicant's Name:	Hewlett Packard Company
Address Line 1:	20555 SH 249
Address Line 2:	MS 1208-10
City/ Zip Code	Houston, TX 77070
Country:	U.S.A
Contact Person:	Glenn Meyer
Phone No.:	281-514-9391
Fax:	281-518-0979
e-mail:	Glenn.meyer@hp.com

2.3 Identification of the Manufacturer

Manufacturer's Name:	Hewlett Packard Company
Manufacturer's Address:	20555 SH 249, MS 1208-10, Houston, TX 77070, U.S.A

3 Equipment under Test (EUT)

3.1 Specification of the Equipment under Test

Product Type	Notebook PC
Marketing Name:	HP Compaq 2701p notebook PC
Model No:	HSTNN-W26C
HW Version:	1.0
SW Version :	N/A
Min/Nominal/Max Voltage:	18.5 V/19 V/ 19 V
Type(s) of Modulation:	OFDM
Antenna Type:	Stamped metal, 3.9dBi/2.4GHz; 5.6dBi/5GHz
Output Power:	19.87 dBm (0.0971) EIRP WLAN 802.11a



4 Subject Of Investigation

All testing was performed on the product referred to in Section 3 as EUT. EUT contains Broadcom BCM94311MCAG WLAN module, FCC ID: QDS-BRCM1019 that supports the following mode and frequency bands:

2400-2483.4MHz: 802.11b, 802.11g

5150-5350MHz: 802.11a

5725-5850MHz: 802.11a

The objective of the measurements done by Cetecom Inc. was to measure the performance of the EUT operating under 802.11a mode in the 5725-5850 MHz range as specified by requirements listed in FCC rules Part 15.247 of Title 47 of the Code of Federal Regulations. The maximization of portable equipment is conducted in accordance with ANSI C63.4.

5 Measurements**5.1 MAXIMUM PEAK OUTPUT POWER § 15.247 (RADIATED)****5.1.1 LIMIT SUB CLAUSE § 15.247 (b) (1) (2) (3) (4)**

Frequency range	RF power output
5725-5850 MHz	36dBm EIRP

*limit is based upon antenna gain of less than or equal to 6dBi.

5.1.2 EIRP a MODE:

TEST CONDITIONS			MAXIMUM PEAK OUTPUT POWER (dBm)		
Frequency (MHz)			5745	5785	5825
Chain A	T _{nom} (23)°C	V _{nom} VDC	18.59	18.66	19.87
Chain B	T _{nom} (23)°C	V _{nom} VDC	14.24	13.79	15.24
Measurement uncertainty			±0.5dBm		

Date of 2007-07-06

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Report :

EIRP a Mode (5745) Chain A**CETECOM Inc. 411 Dixon Landing Road, Milpitas CA 95035, USA**

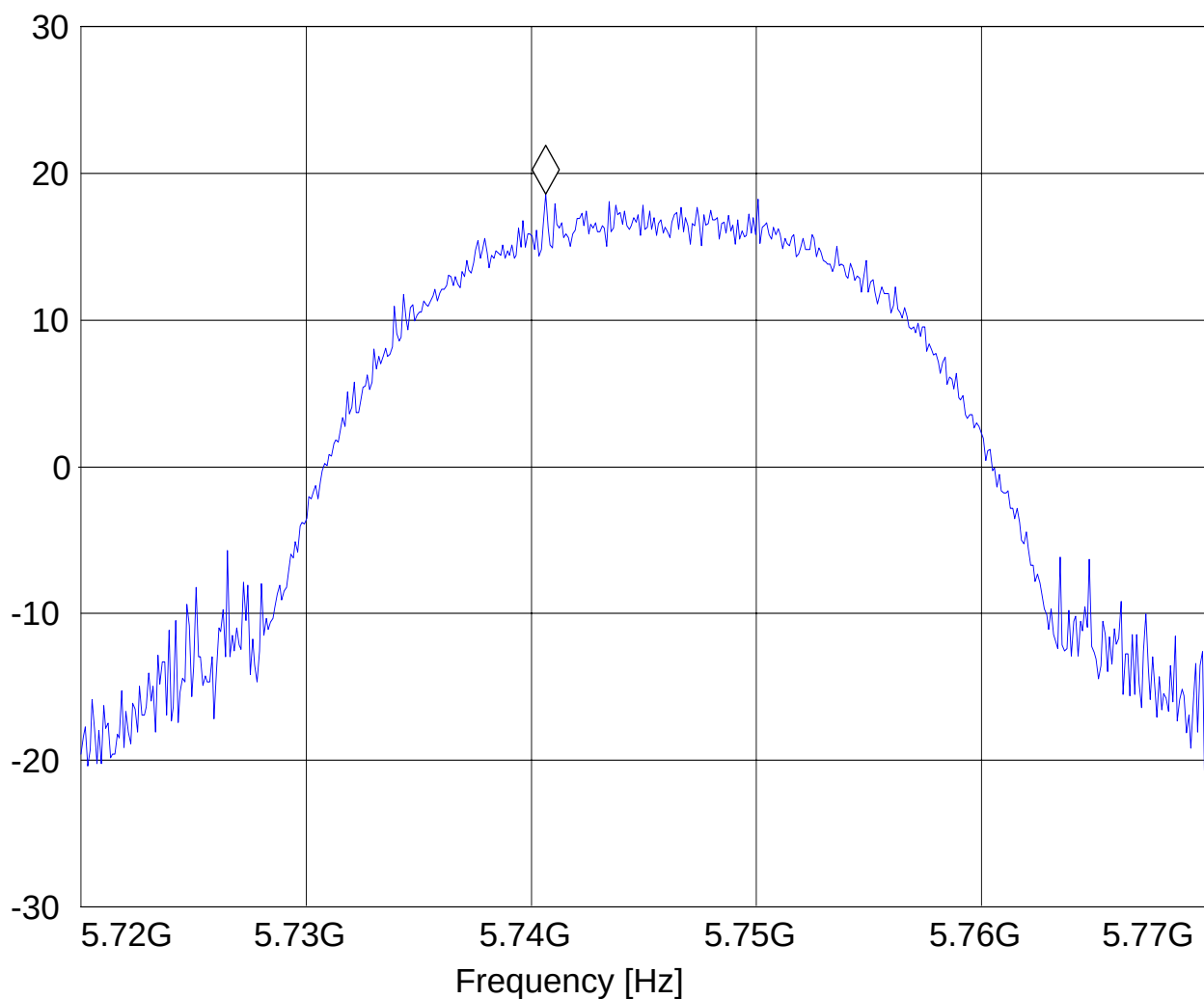
EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 149, chain a
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_149"

Short Description: EIRP
Unit: dBm Detector: MaxPeak RBW: 10MHZ VBW: 10MHZ

Marker: 5.740641283 GHz 18.59 dBm

Level [dBm]



Date of 2007-07-06

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Report :

EIRP a Mode (5785MHz) Chain A**CETECOM Inc. 411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 157, chain a
ANT Orientation: H
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_157"

Short Description:

EIRP

Unit: dBm

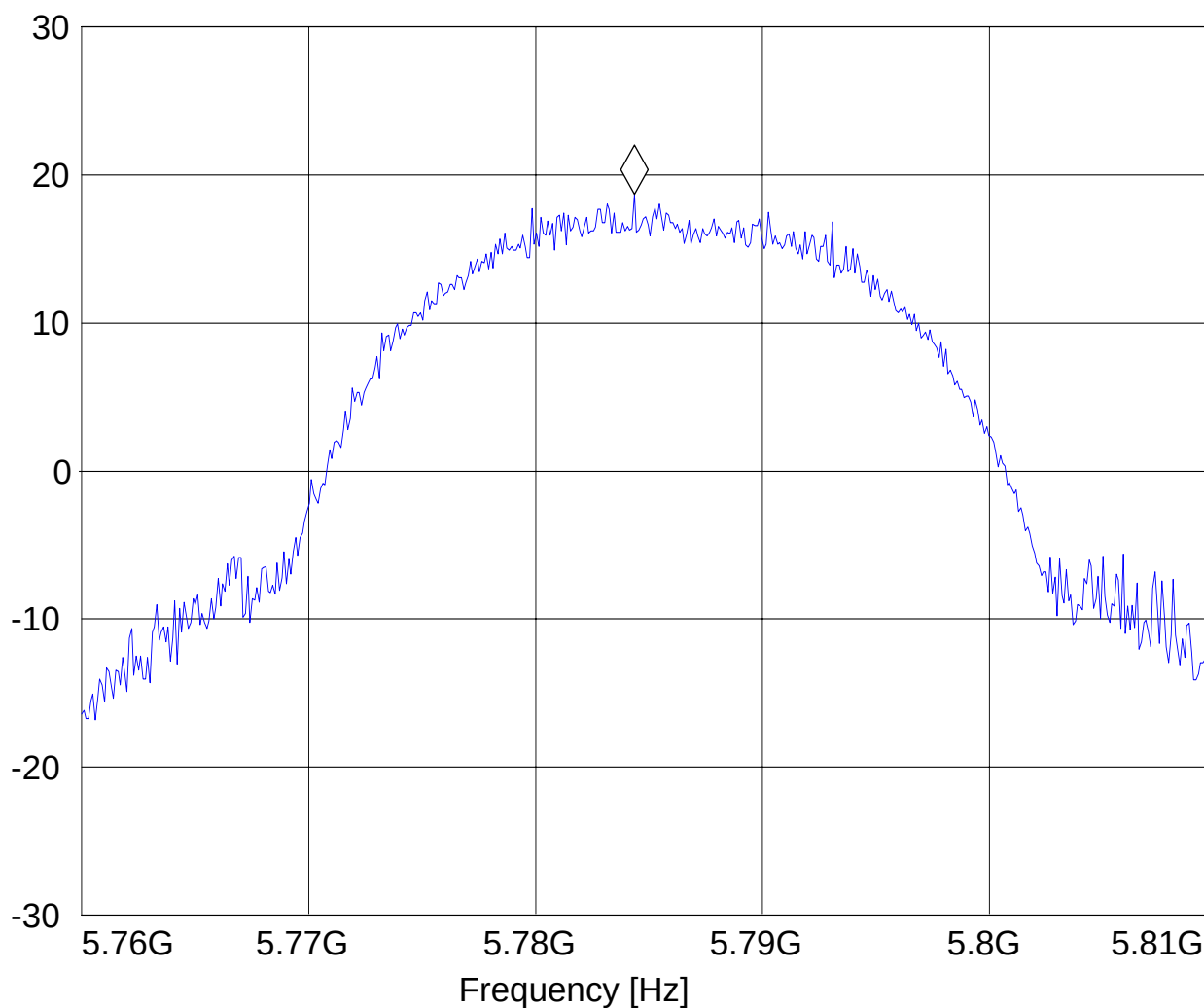
Detector: MaxPeak

RBW: 10MHZ

VBW: 10MHz

Marker: 5.784348697 GHz 18.66 dBm

Level [dBm]



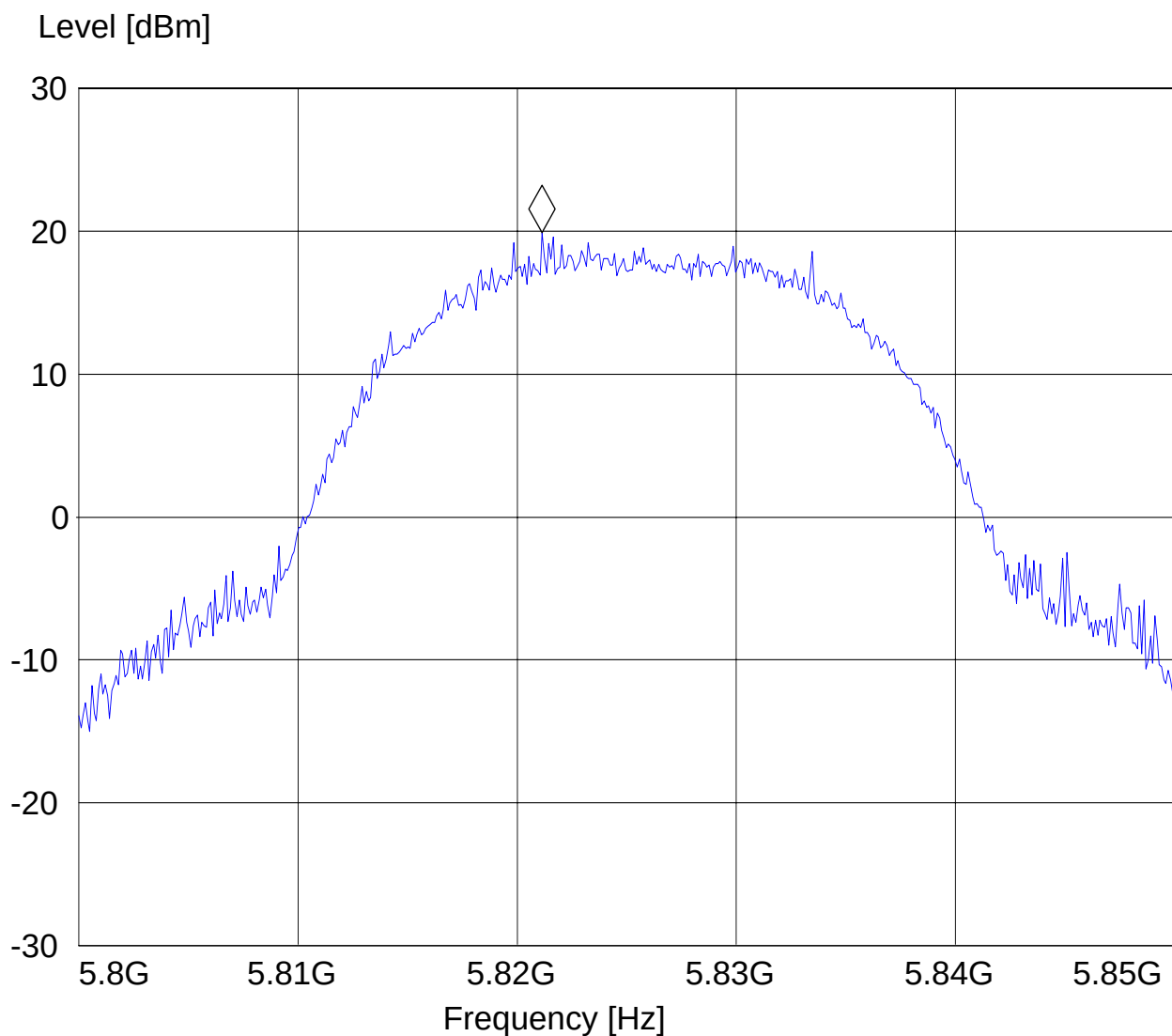
EIRP a Mode (5825MHz) Chain A**CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 165, chain a
ANT Orientation: H
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_165"

Short Description: EIRP
Unit: dBm Detector: MaxPeak RBW: 10MHZ VBW:10MHZ

Marker: 5.821142285 GHz 19.87 dBm



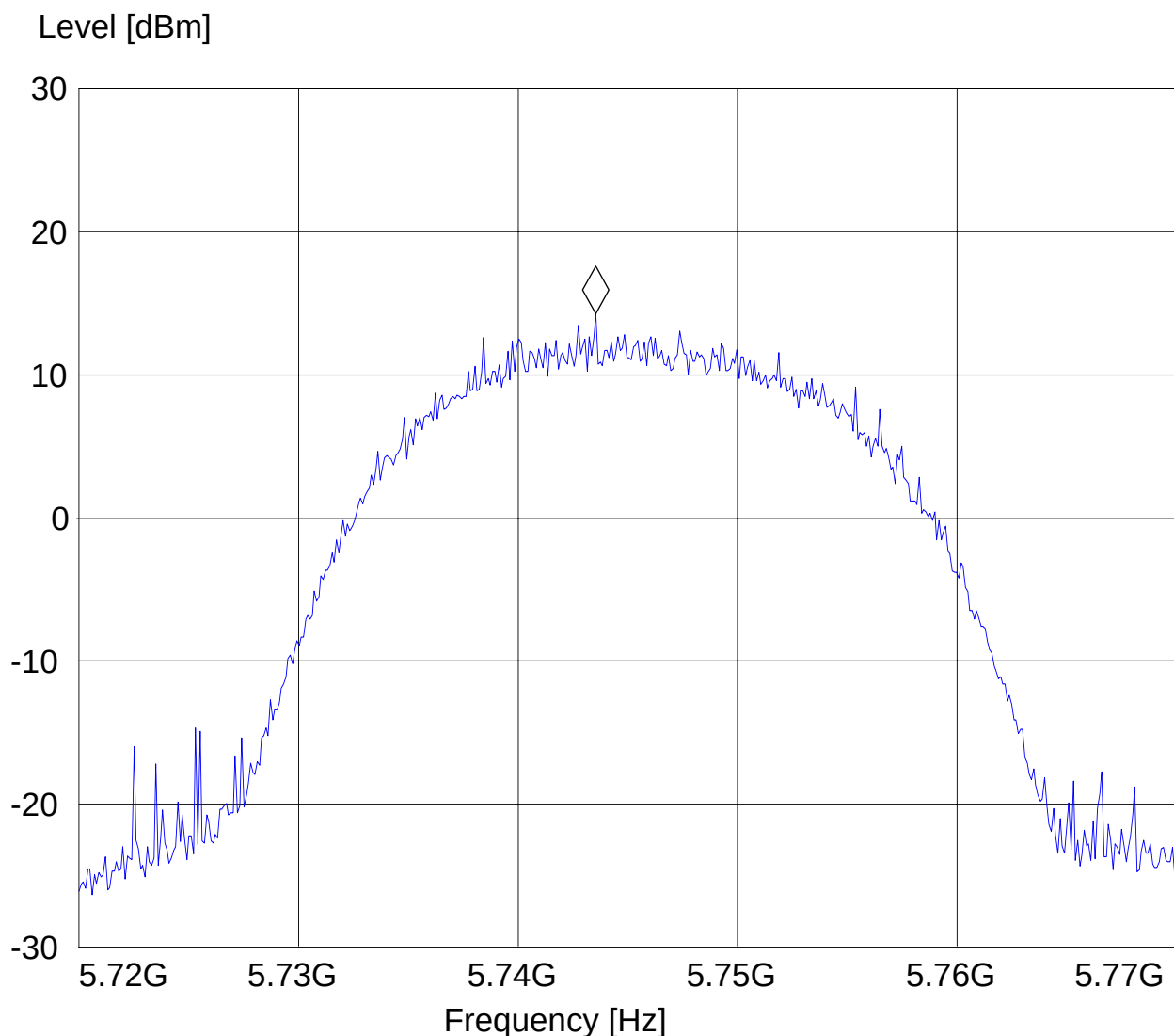
EIRP a Mode (5745) Chain B**CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 149, chain b
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_149"

Short Description: EIRP
Unit: dBm Detector: MaxPeak RBW: 10MHZ VBW:10MHZ

Marker: 5.743547094 GHz 14.24 dBm



EIRP a Mode (5785MHz) Chain B**CETECOM Inc. 411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 157, chain b
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_157"

Short Description:

EIRP

Unit: dBm

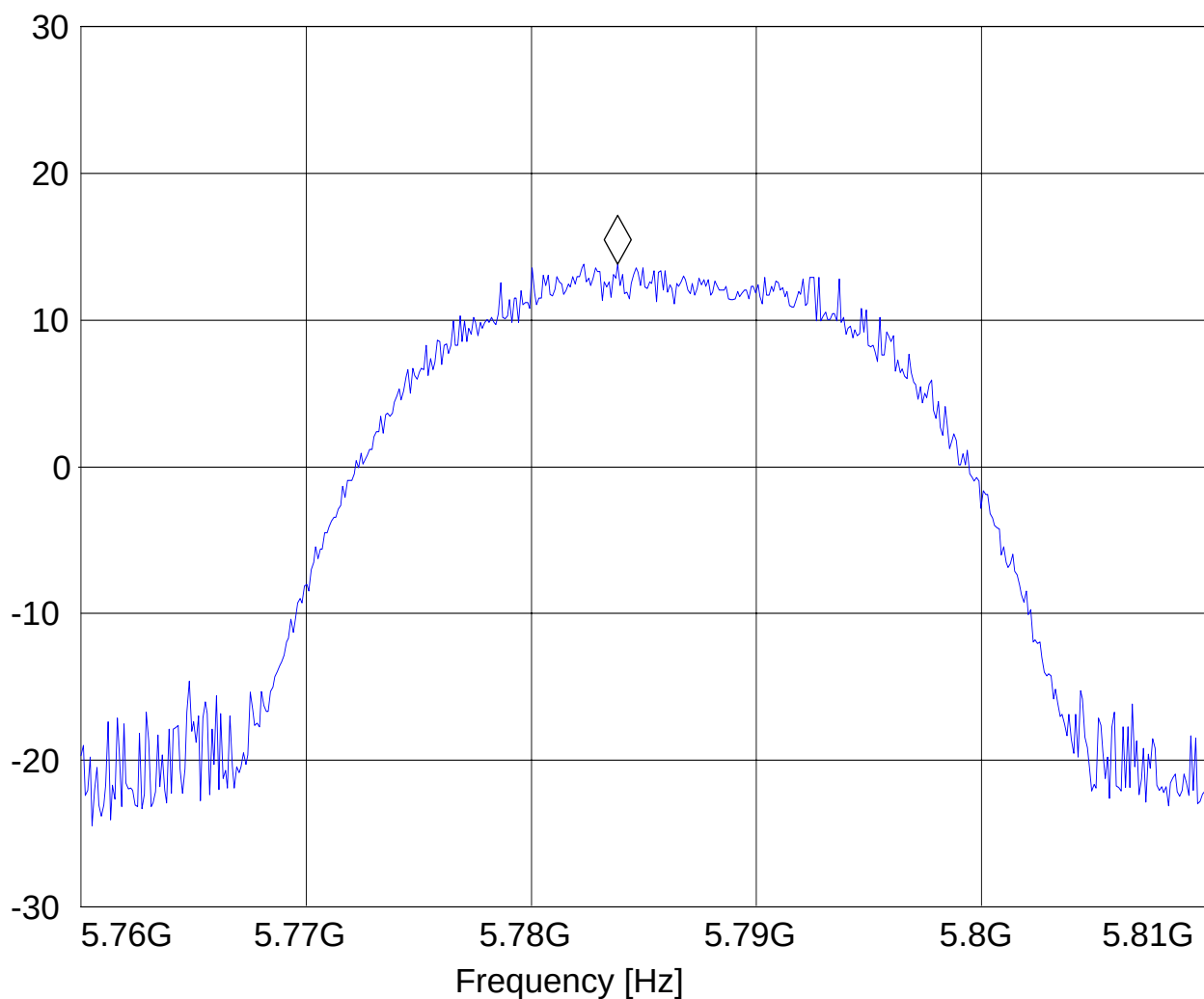
Detector: MaxPeak

RBW: 10MHZ

VBW: 10MHZ

Marker: 5.783847695 GHz 13.79 dBm

Level [dBm]



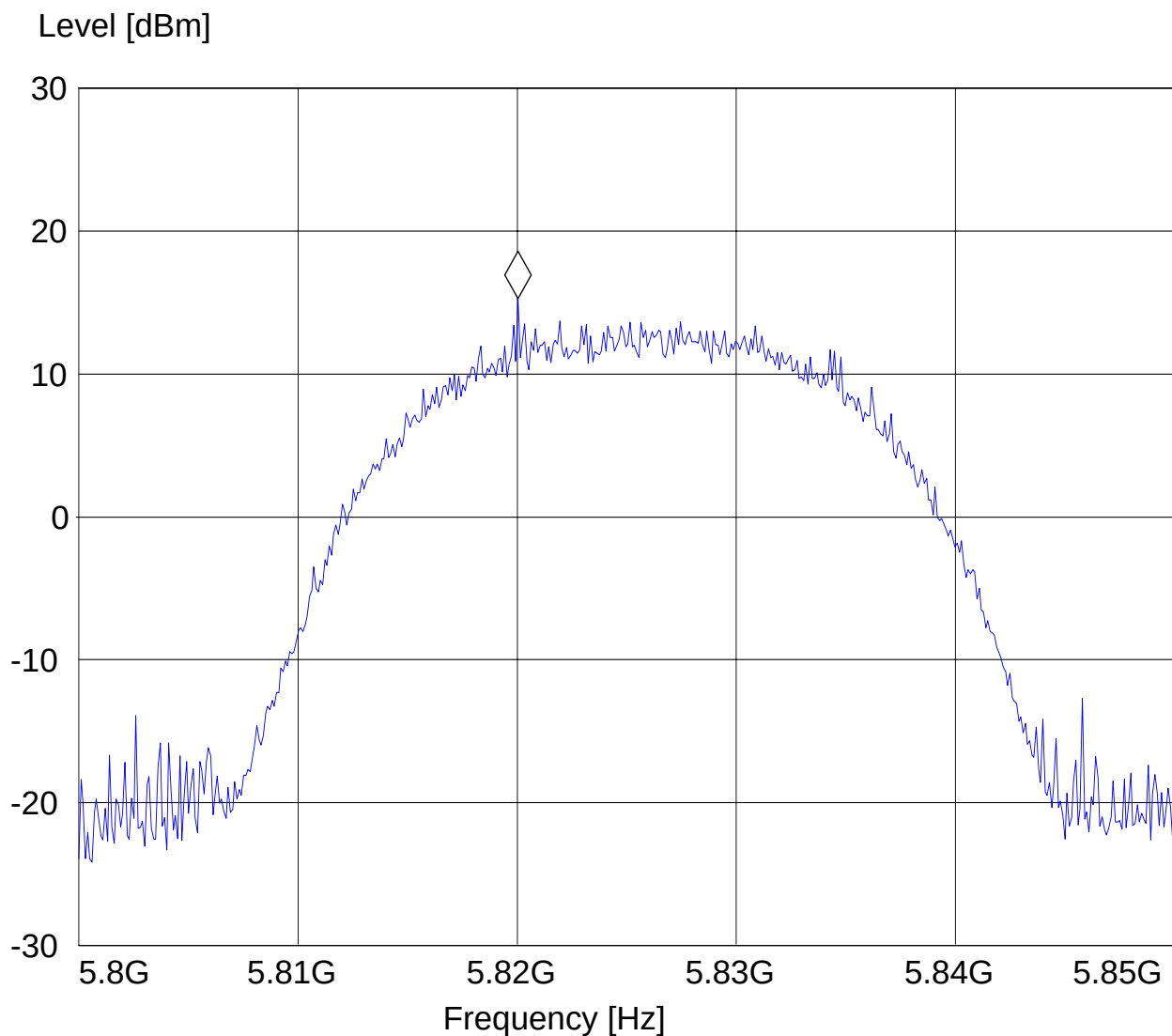
EIRP a Mode (5825MHz) Chain B**CETECOM Inc. 411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 165, chain b
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a_165"

Short Description: EIRP
Unit: dBm Detector: MaxPeak RBW: 10MHZ VBW: 10MHZ

Marker: 5.82004008 GHz 15.24 dBm



5.2 TRANSMITTER SPURIOUS EMISSIONS RADIATED § 15.247/15.205/15.209**5.2.1 LIMITS**

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

***PEAK LIMIT= 74dBuV/m**

***AVG. LIMIT= 54dBuV/m**

NOTE:

1. The radiated emissions were done with different settings, using the relevant pre-amplifiers for the relevant frequency ranges. This is the reason that the graphs show different noise levels. In the range between 3 and 25 GHz very short cable connections to the antenna was used to minimize the noise level.

2. All measurements are done in peak mode using an average limit unless specified with the plots.

Results for the radiated measurements below 30MHz according § 15.33

Frequency	Measured values	Remarks
9KHz – 30MHz	No emissions found, caused by the EUT	This is valid for all the tested channels

5.2.2 RESULTS (a) MODE**30MHz – 1GHz Chain A****Antenna: vertical**

Note: This plot is valid for low, mid, high channels as well as for polarizations (worst-case plot) **Note:** Peak reading vs. Quasi-peak limit

CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA

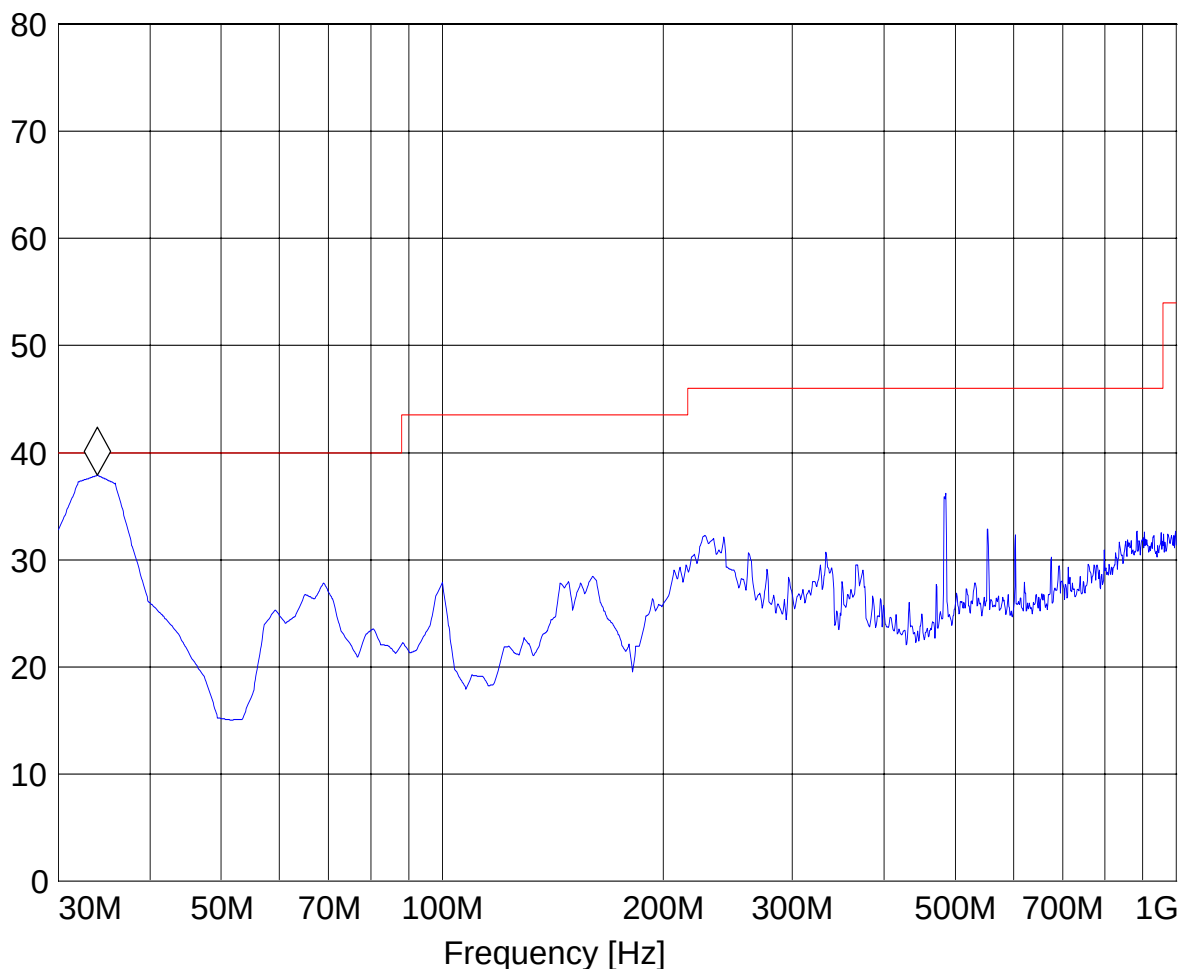
EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 165, chain a
ANT Orientation: V
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.247_30M-1G_Ver"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	3141-#1186_Vert

Marker: 33.887776 MHz 37.88 dB μ V/m

Level [dB μ V/m]



1-18GHz (5745MHz) Chain A

Note: The peaks above the limit line is the carrier freq.
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevos

Manufacturer: HP Texas

Test mode: 802.11a, ch 149, chain a

ANT Orientation: H

EUT Orientation: H

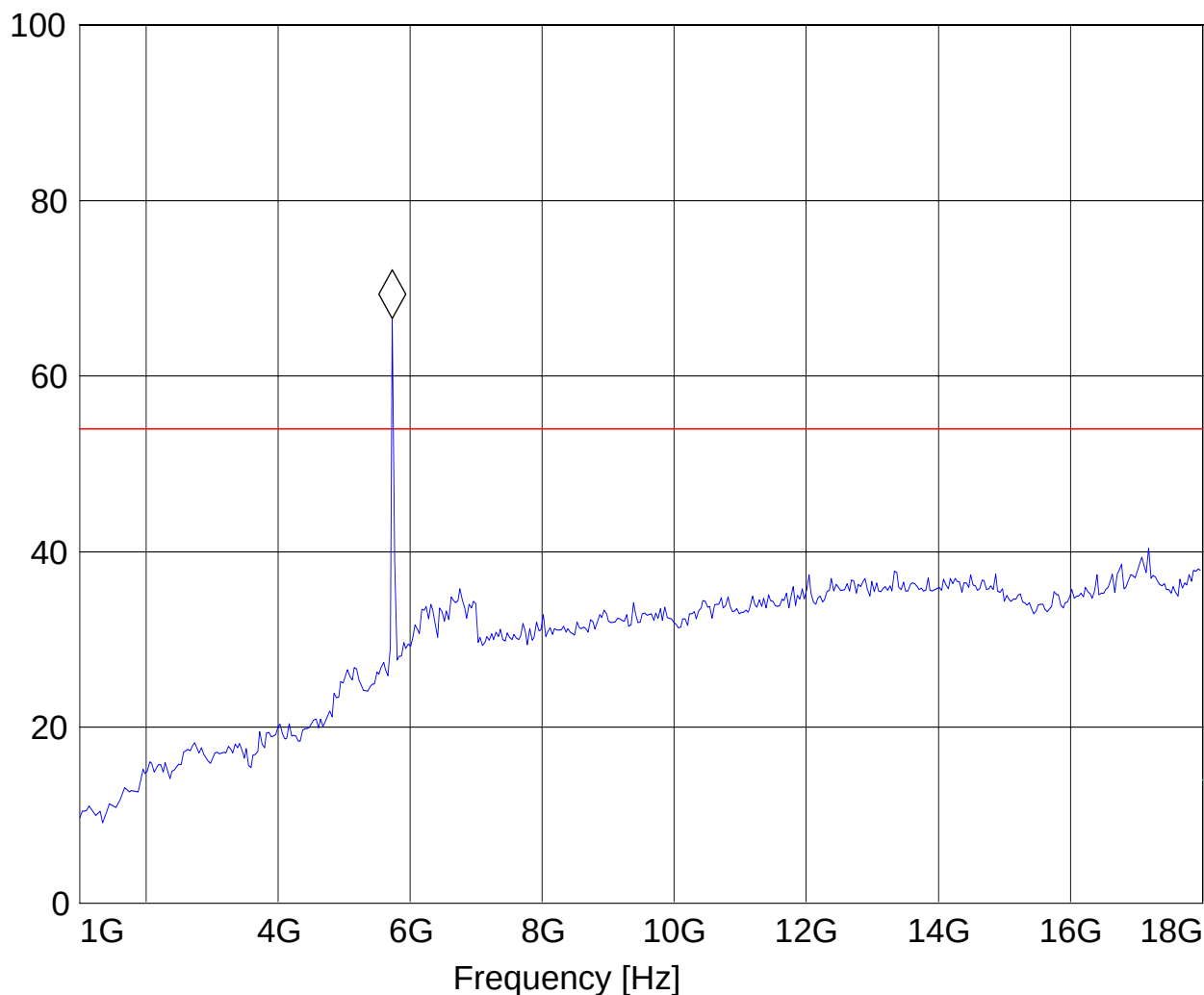
Test Engineer: Satya Radhakrishna

Voltage: AC Adapter

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.735470942 GHz 66.59 dB μ V/m

Level [dB μ V/m]

1-18GHz (5785MHz) Chain A

Note: The peaks above the limit line is the carrier freq. **Note:** Peak Reading vs. Average Limit
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevoss

Manufacturer: HP Texas

Test mode: 802.11a, ch 157, chain a

ANT Orientation: H

EUT Orientation: H

Test Engineer: Satya Radhakrishna

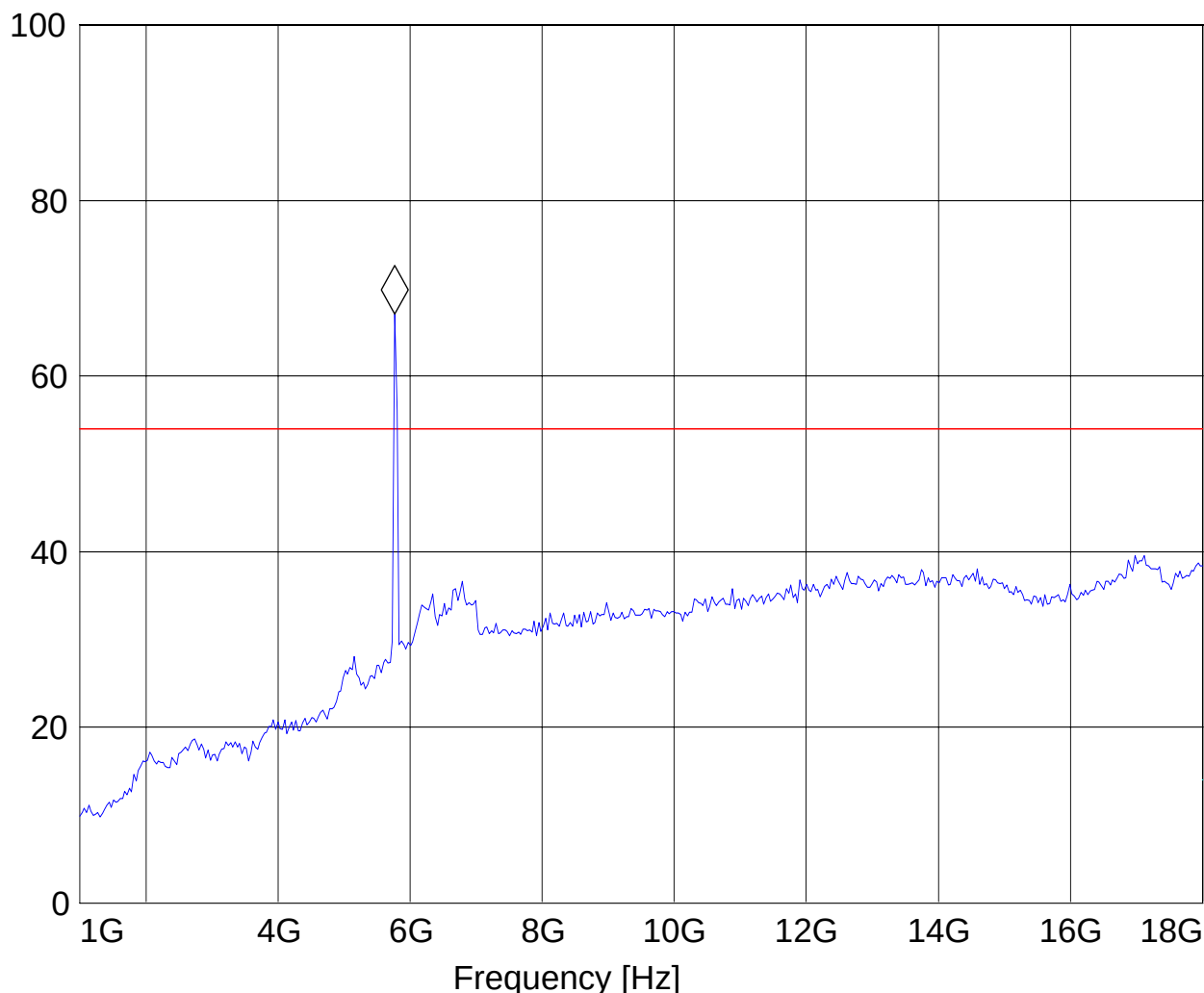
Voltage: AC Adapter

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.769539078 GHz 67.1 dBμV/m

Level [dBμV/m]



1-18GHz (5825MHz) Chain A

Note: The peaks above the limit line is the carrier freq. **Note:** Peak Reading vs. Average Limit
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevoss

Manufacturer: HP Texas

Test mode: 802.11a, ch 165, chain a

ANT Orientation: H

EUT Orientation: H

Test Engineer: Satya Radhakrishna

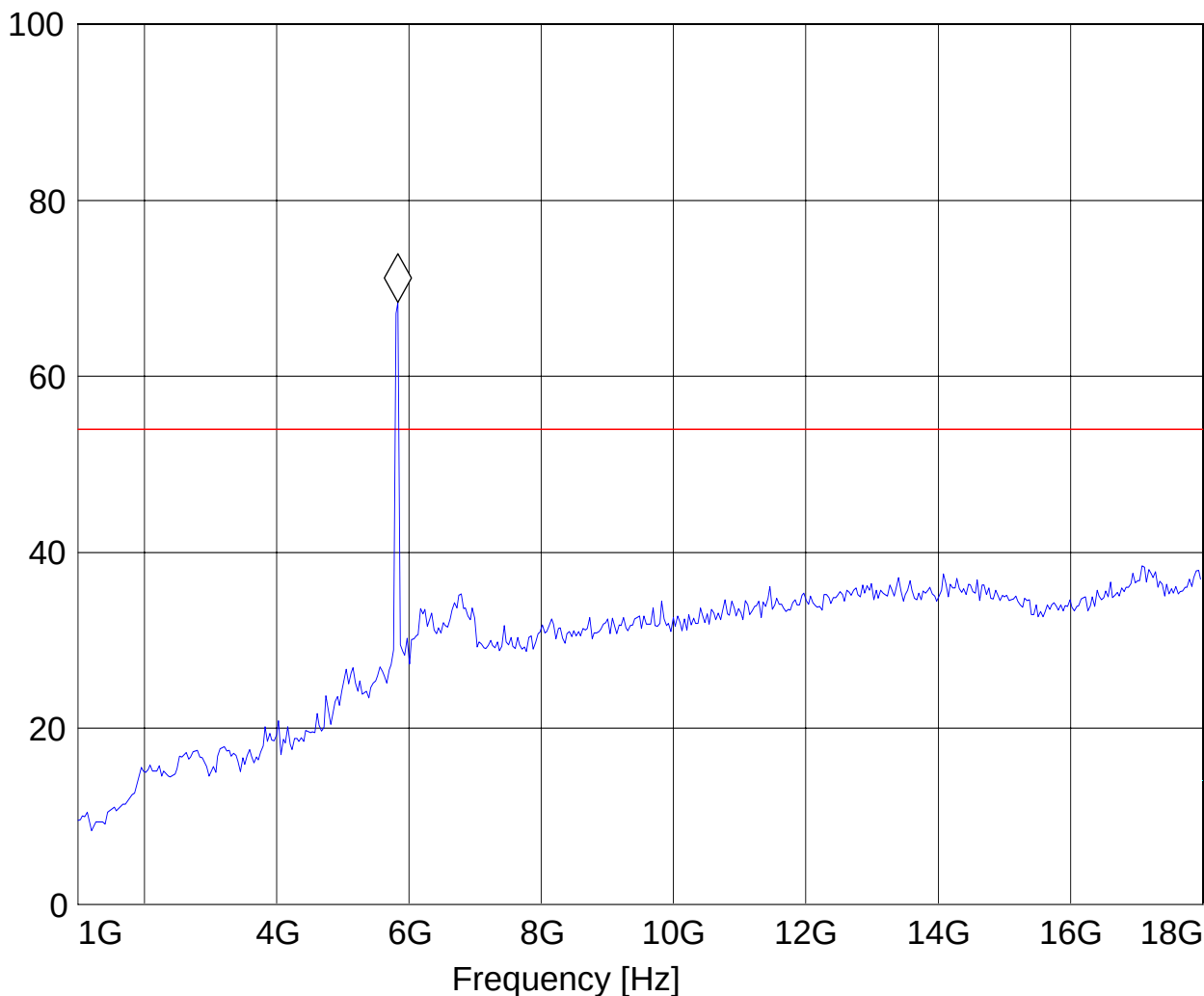
Voltage: ac adapter

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.837675351 GHz 68.37 dBμV/m

Level [dBμV/m]



18-26.5GHz (5745MHz) Chain A

Note: This plot is valid for low, mid, high channels (worst-case plot). **Note:** Peak Reading vs. Average limit

CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA

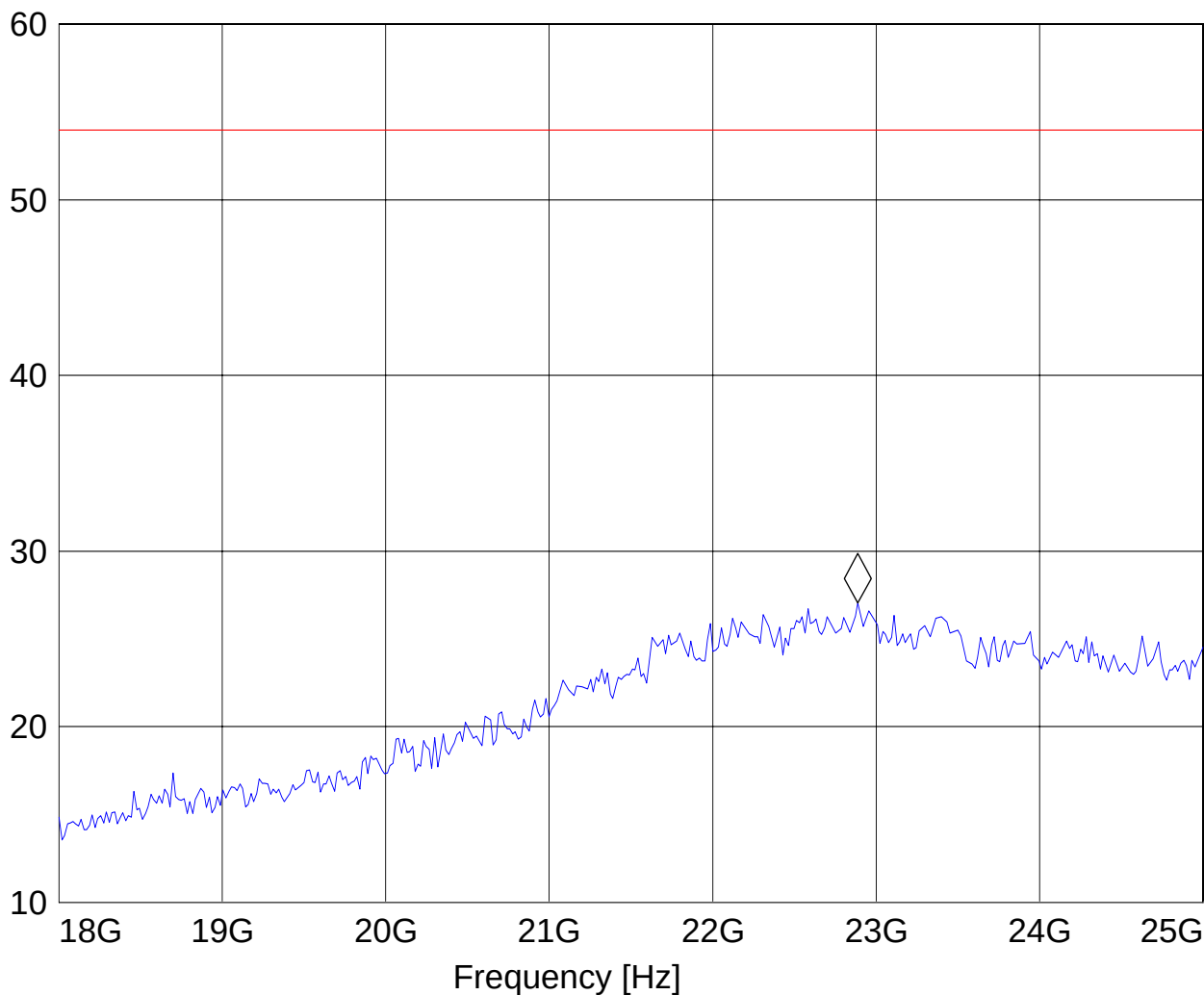
EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 165, chain a
ANT Orientation: H
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.247_18-26.5G"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

Marker: 22.888777555 GHz 27.05 dB μ V/m

Level [dB μ V/m]



26-40GHz Chain A

Note: This plot is valid for low, mid, high channels (worst-case plot). Note: Peak Reading vs. Average limit

CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevos

Manufacturer: HP Texas

Test mode: 802.11a, ch 157, chain a

ANT Orientation: H

EUT Orientation: H

Test Engineer: Ed

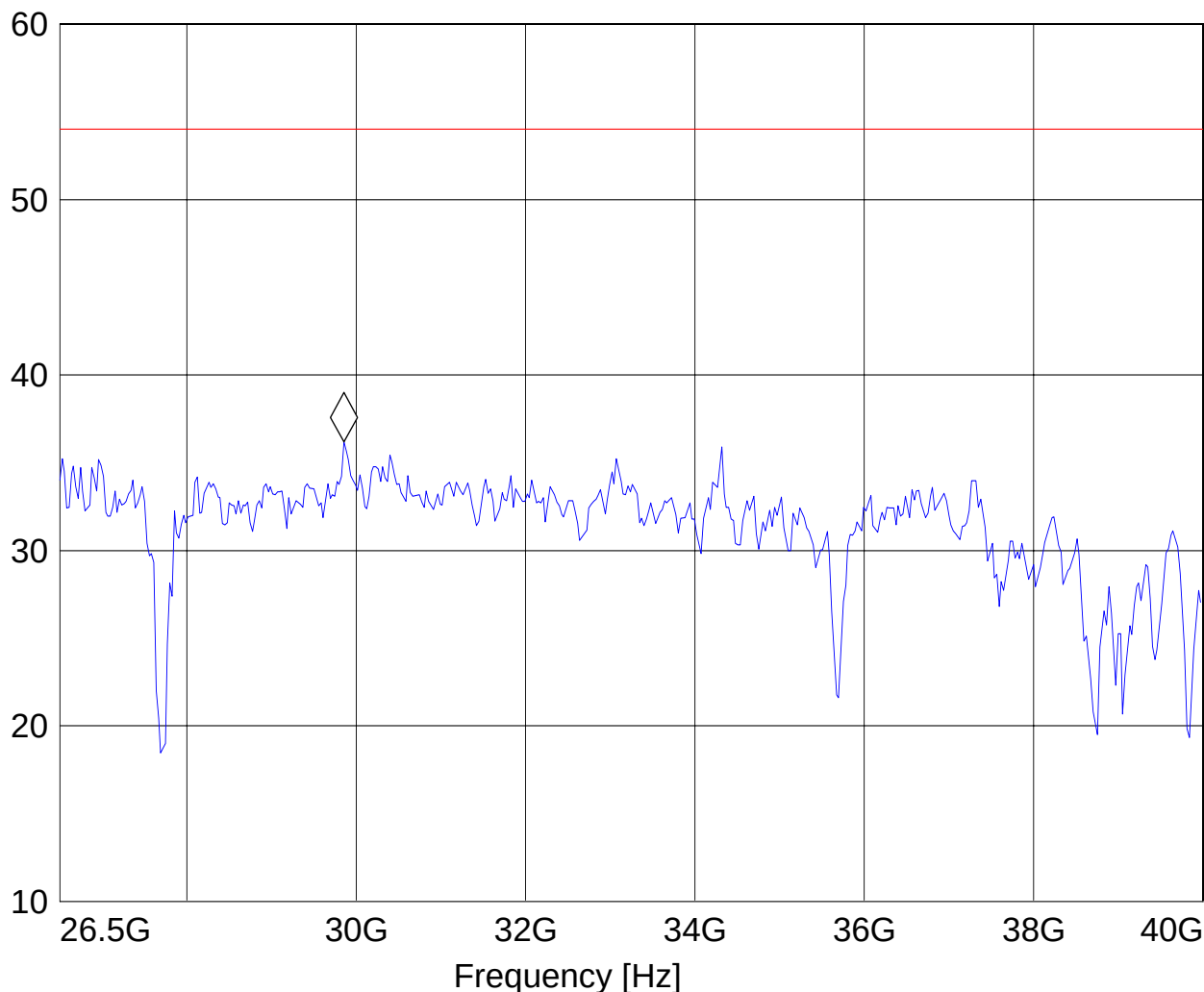
Voltage: AC Adapter

SWEEP TABLE: "FCC15.247_26.5-40G"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

Marker: 29.854709419 GHz 36.21 dB μ V/m

Level [dB μ V/m]



30MHz – 1GHz Chain B**Antenna: vertical**

Note: This plot is valid for low, mid, high channels as well as for polarizations (worst-case plot). **Note:** Peak reading vs. Quasi-peak limit

CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA

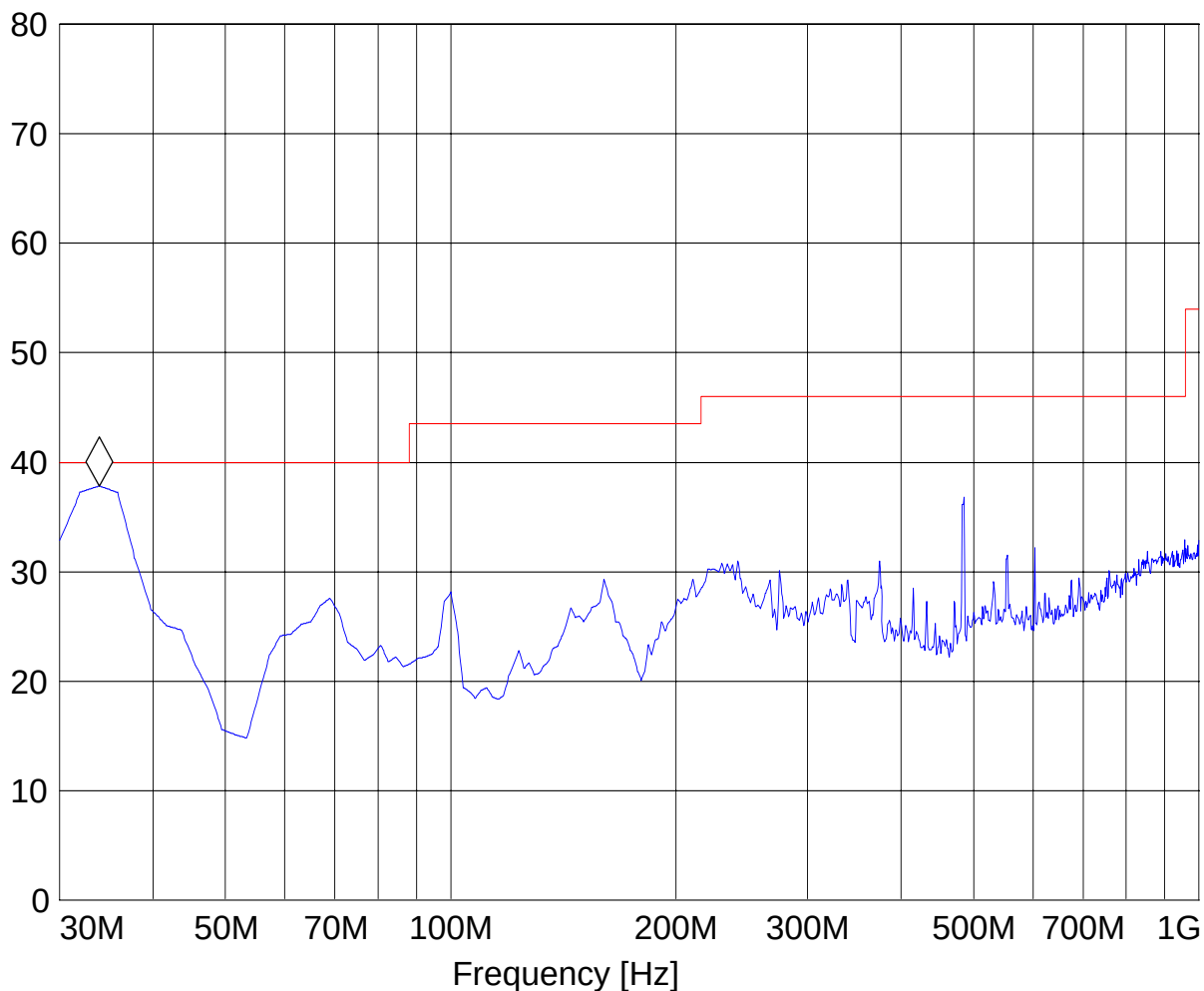
EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 149, chain b
ANT Orientation: V
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.247_30M-1G_Ver"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	3141-#1186_Vert

Marker: 33.887776 MHz 37.84 dB μ V/m

Level [dB μ V/m]



1-18GHz (5745MHz) Chain B

Note: The peaks above the limit line is the carrier freq.
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevos

Manufacturer: HP Texas

Test mode: 802.11a, ch 149, chain b

ANT Orientation: H

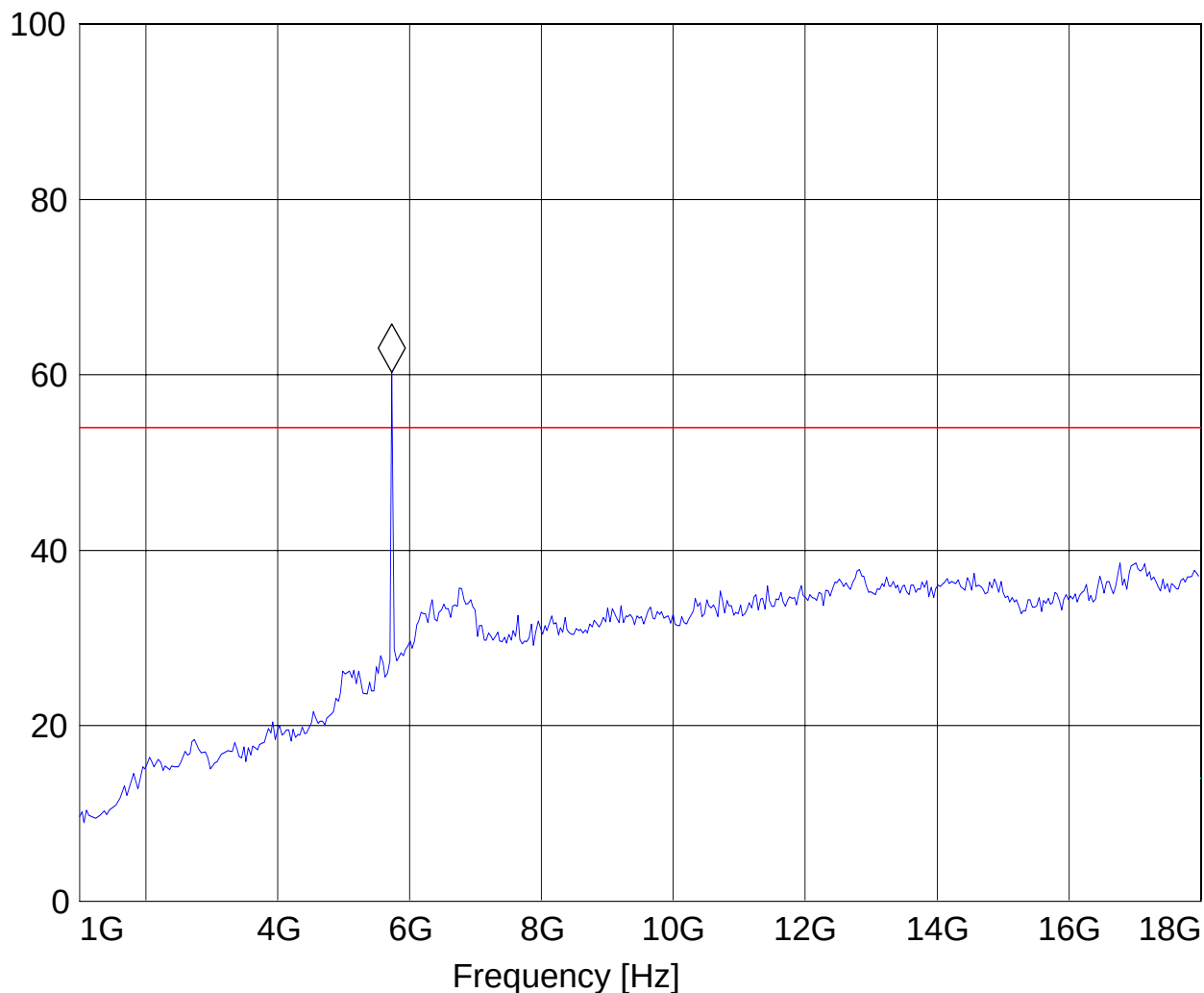
EUT Orientation: H

Test Engineer: Satya Radhakrishna

Voltage: 12V dc battery

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.735470942 GHz 60.27 dB μ V/mLevel [dB μ V/m]

1-18GHz (5785MHz) Chain B

Note: The peaks above the limit line is the carrier freq. **Note:** Peak Reading vs. Average Limit
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevoss

Manufacturer: HP Texas

Test mode: 802.11a, ch 157, chain b

ANT Orientation: H

EUT Orientation: H

Test Engineer: Satya Radhakrishna

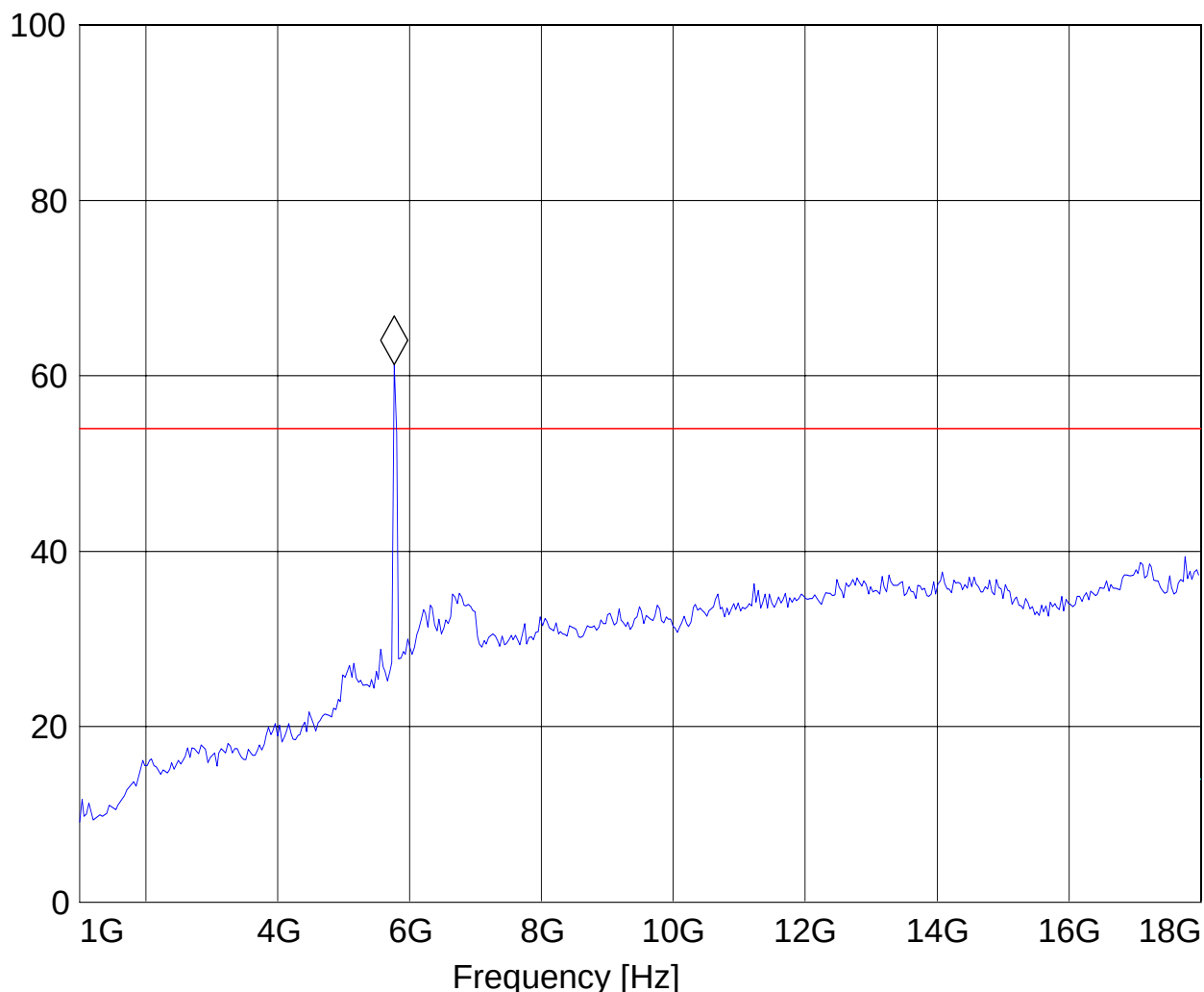
Voltage: 12V dc battery

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.769539078 GHz 61.26 dBμV/m

Level [dBμV/m]



1-18GHz (5825MHz) Chain B

Note: The peaks above the limit line is the carrier freq. **Note:** Peak Reading vs. Average Limit
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT / Description: Bevos

Manufacturer: HP Texas

Test mode: 802.11a, ch 165, chain b

ANT Orientation: H

EUT Orientation: H

Test Engineer: Satya Radhakrishna

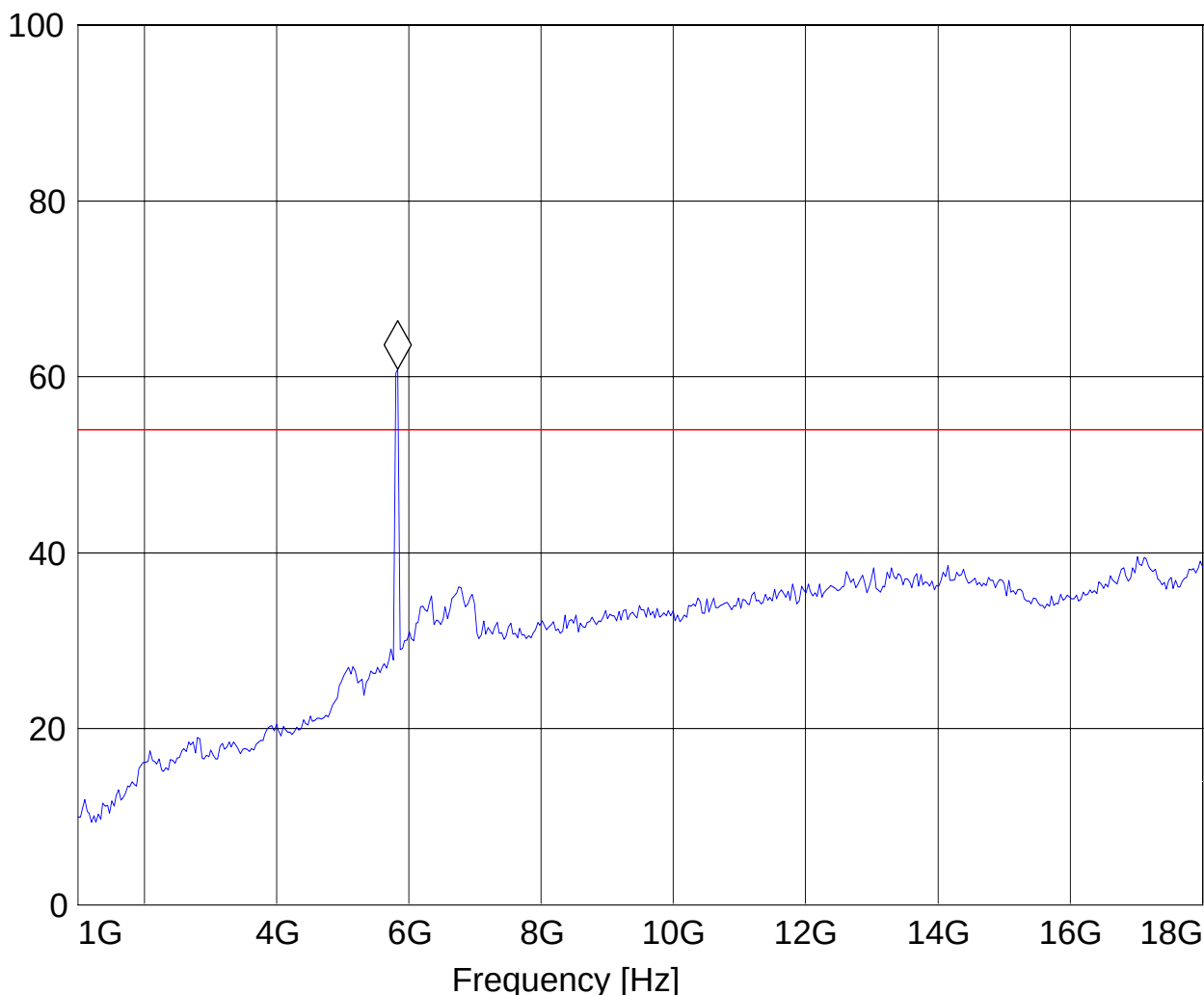
Voltage: AC Adapter

SWEEP TABLE: "FCC 15.407 1-18G"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

Marker: 5.837675351 GHz 60.9 dBμV/m

Level [dBμV/m]



18-26.5GHz (5745MHz) Chain B

Note: This plot is valid for low, mid, high channels (worst-case plot). **Note:** Peak Reading vs. Average limit

CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA

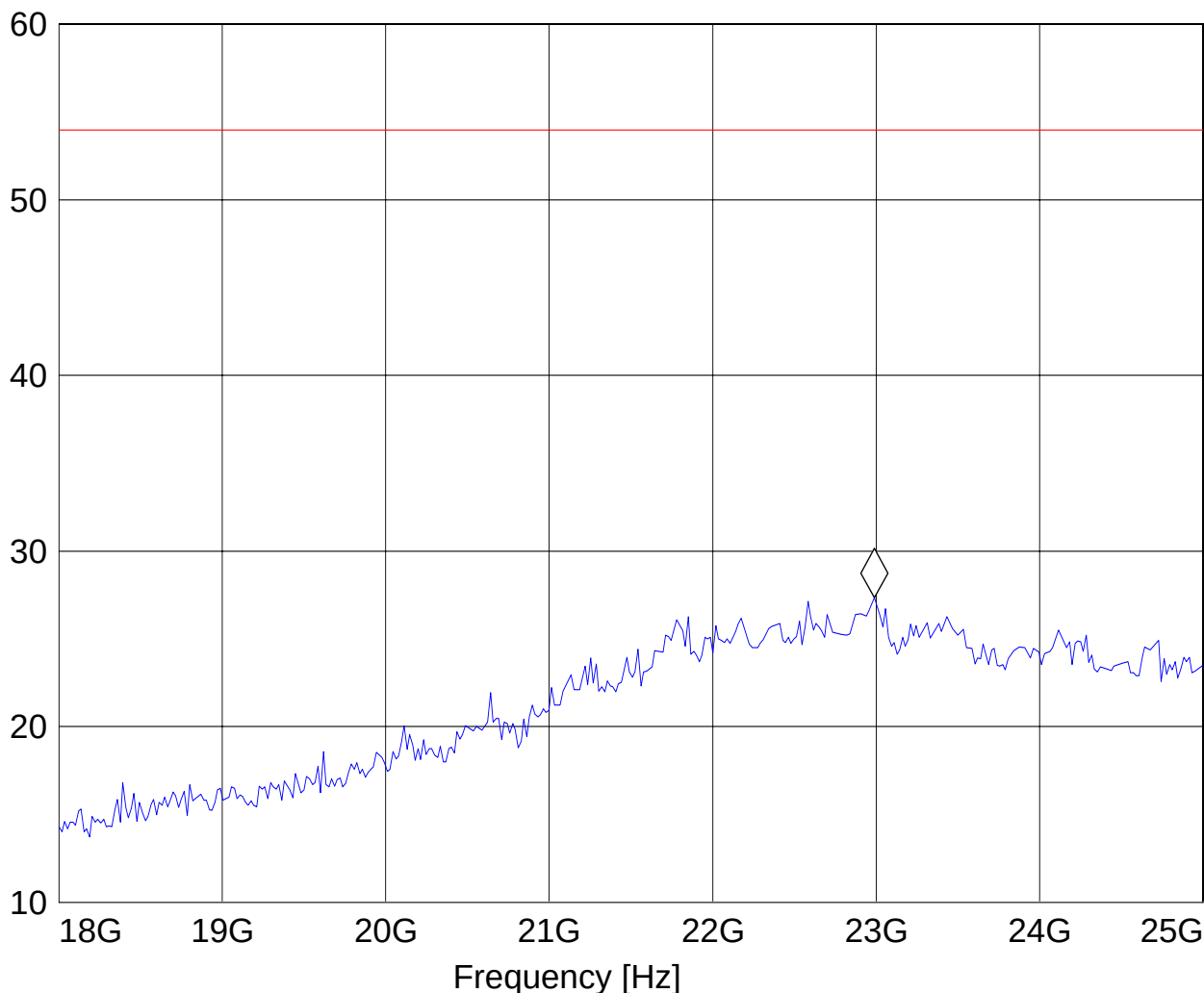
EUT: Bevos
Customer: HP Texas
Test Mode: 802.11a, ch 165, chain b
ANT Orientation: H
EUT Orientation: H
Test Engineer: Ed
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.247_18-26.5G"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

Marker: 22.990981964 GHz 27.35 dB μ V/m

Level [dB μ V/m]



26-40GHz Chain B

Note: This plot is valid for low, mid, high channels (worst-case plot). **Note:** Peak Reading vs. Average limit

CETECOM Inc., 411 Dixon Landing Road, Milpitas CA 95035, USA

EUT / Description: Bevos

Manufacturer: HP Texas

Test mode: 802.11a, ch 157, chain b

ANT Orientation: H

EUT Orientation: H

Test Engineer: Ed

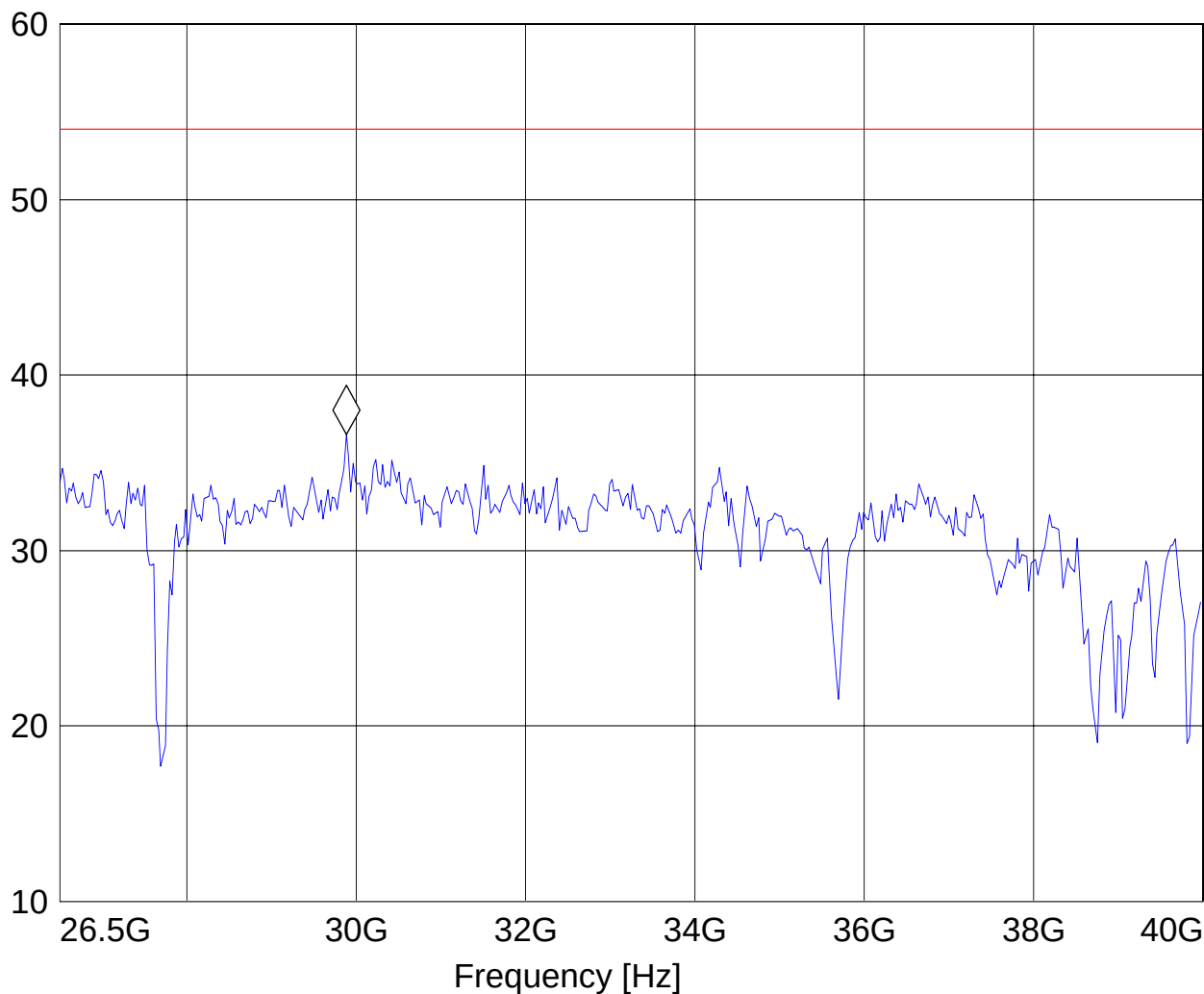
Voltage: AC Adapter

SWEEP TABLE: "FCC15.247_26.5-40G"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
26.5 GHz	40.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 26.5-40G

Marker: 29.881763527 GHz 36.61 dB μ V/m

Level [dB μ V/m]



5.3 AC POWER LINE CONDUCTED EMISSIONS § 15.107/207**5.3.1 LIMITS****Technical specification: 15.107 / 15.207 (Revised as of August 20, 2002)****Limit**

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50
* Decreases with logarithm of the frequency		

ANALYZER SETTINGS: RBW = 10KHz**VBW = 10KHz**

Date of 2007-07-06

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Report :

5.3.2 Results

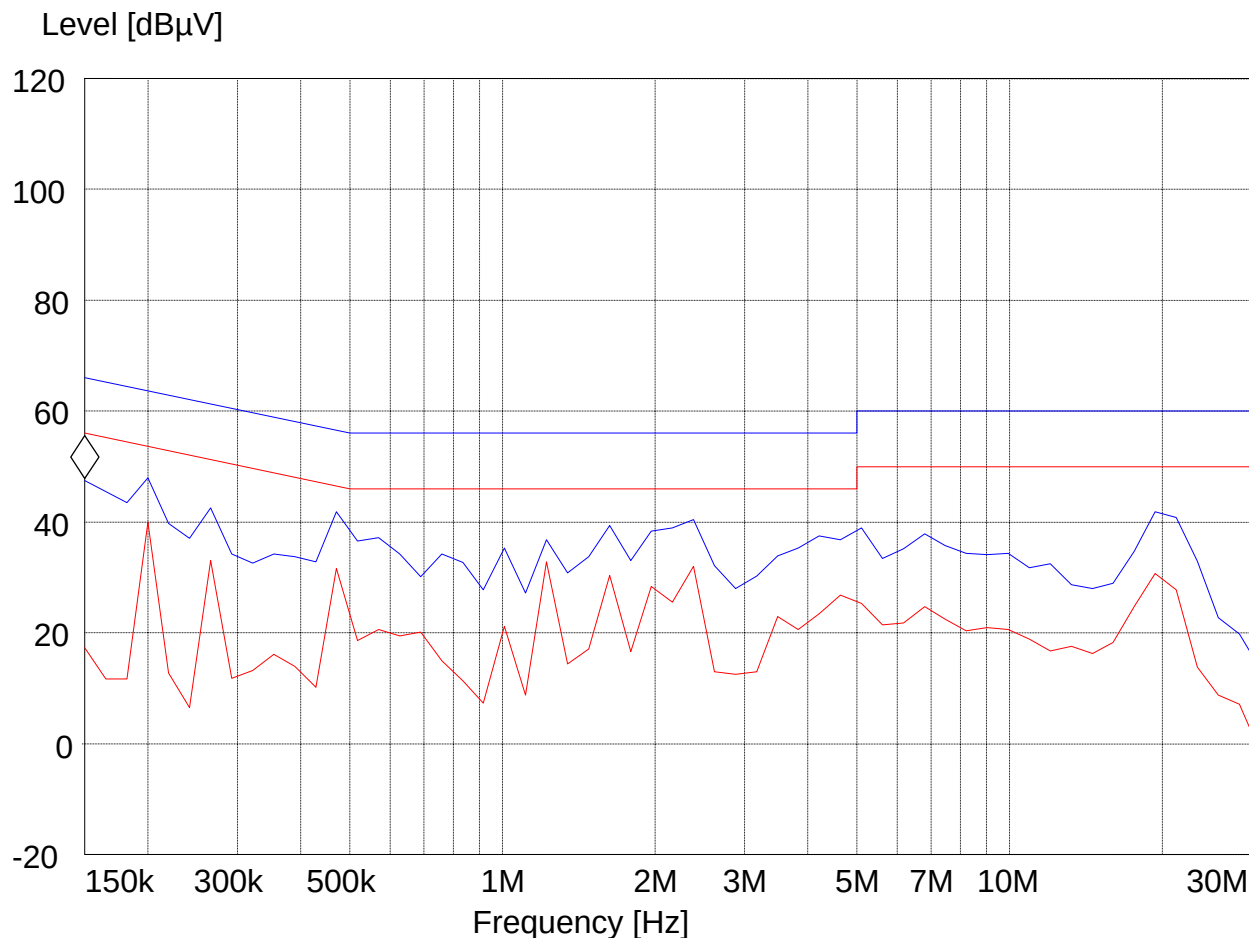
Line:

EUT: Bevos
Manufacturer: HP Texas
Operating Condition: 802.11a, ch 36, chain a
Test Site: Cetecom Inc.
Operator: Ed
Comment: AC Adapter
Start of Test: 7/2/2007 / 3:42:35PM

SWEEP TABLE: "55022 cond"

Short Description:		EN 55022 for 150KHz-30MHz			
Start	Stop	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	MaxPeak	Coupled	10 kHz	None

Marker: 150 kHz 47.8 dBμV



MES 55022 cond MaxPk	
MES 55022 cond Avg	
LIM EN 55022 V AV	Voltage AV Limit
LIM EN 55022 V QP	Voltage QP Limit

Date of 2007-07-06

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Report :

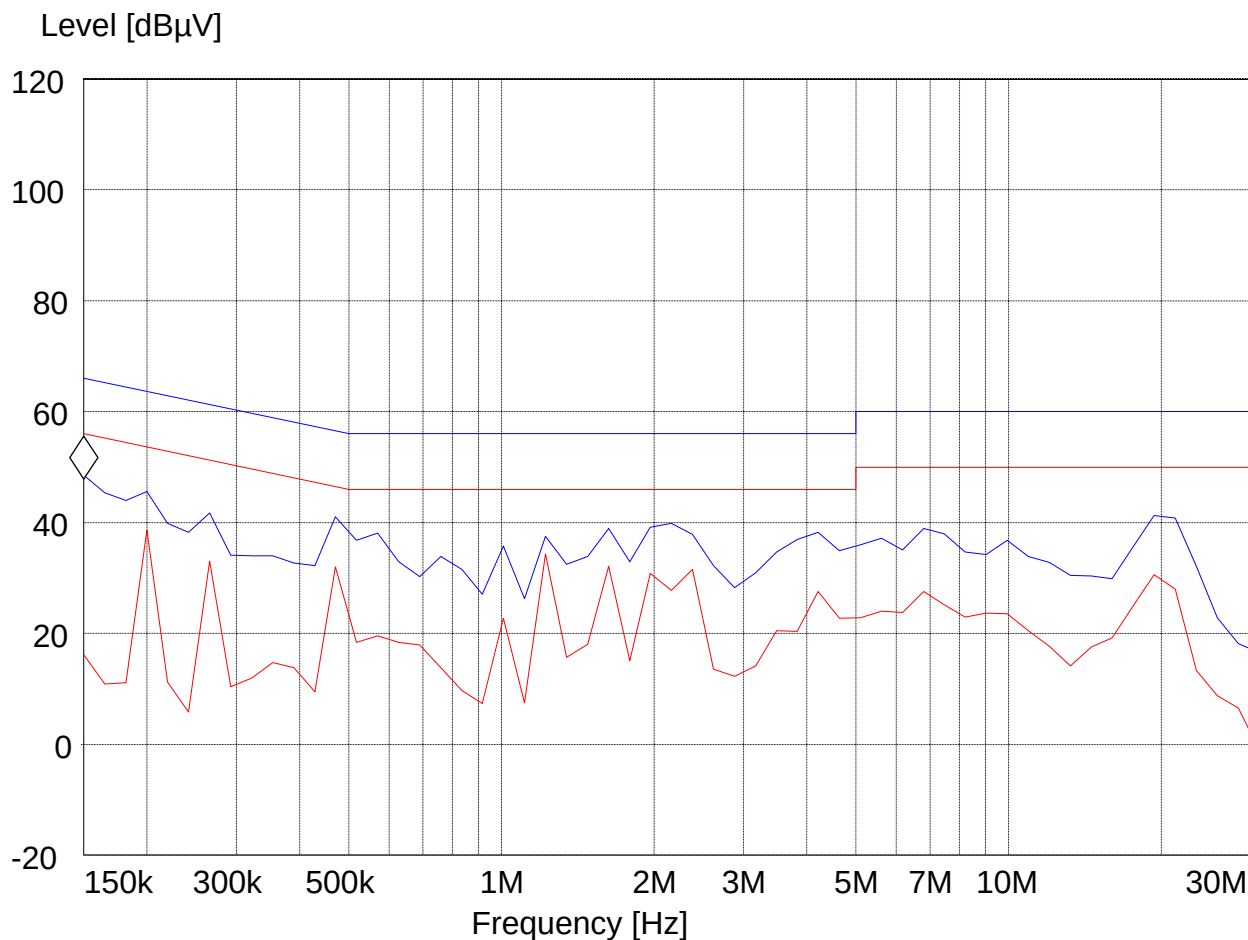
Neutral:

EUT: Bevos
Manufacturer: HP Texas
Operating Condition: 802.11a, ch 36, chain a
Test Site: Cetecom Inc.
Operator: Ed
Comment: AC Adapter
Start of Test: 7/2/2007 / 3:50:22PM

SWEEP TABLE: "55022 cond"

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
150.0 kHz	30.0 MHz	MaxPeak	Coupled	10 kHz	None

Marker: 150 kHz 47.8 dBμV



MES 55022 cond MaxPk	
MES 55022 cond Avg	
LIM EN 55022 V AV	Voltage AV Limit
LIM EN 55022 V QP	Voltage QP Limit

6 TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS

No	Instrument/Ancillary	Type	Manufacturer	Serial No.	Cal Due	Interval
01	Spectrum Analyzer	ESIB 40	Rohde & Schwarz	100107	May 2008	1 year
02	Spectrum Analyzer	FSEM 30	Rohde & Schwarz	100017	August 2008	1 year
03	Signal Generator	SMY02	Rohde & Schwarz	836878/011	May 2008	1 year
04	Power-Meter	NRVD	Rohde & Schwarz	0857.8008.02	May 2008	1 year
05	Biconilog Antenna	3141	EMCO	0005-1186	June 2008	1 year
06	Horn Antenna (1-18GHz)	SAS-200/571	AH Systems	325	June 2008	1 year
07	Horn Antenna (18-26.5GHz)	3160-09	EMCO	1240	June 2008	1 year
08	Power Splitter	11667B	Hewlett Packard	645348	n/a	n/a
09	Climatic Chamber	VT4004	Voltsch	G1115	May 2008	1 year
10	High Pass Filter	5HC2700	Trilithic Inc.	9926013	n/a	n/a
11	High Pass Filter	4HC1600	Trilithic Inc.	9922307	n/a	n/a
12	Pre-Amplifier	JS4-00102600	Miteq	00616	May 2008	1 year
13	Power Sensor	URV5-Z2	Rohde & Schwarz	DE30807	May 2008	1 year
14	Digital Radio Comm. Tester	CMD-55	Rohde & Schwarz	847958/008	May 2008	1 year
15	Universal Radio Comm. Tester	CMU 200	Rohde & Schwarz	832221/06	May 2008	1 year
16	LISN	ESH3-Z5	Rohde & Schwarz	836679/003	May 2008	1 year
17	Loop Antenna	6512	EMCO	00049838	July 2008	2 years

6.1 BLOCK DIAGRAMS

Radiated Testing

ANECHOIC CHAMBER

