



FCC Test Report

FCC Part 15.407 for UNII Devices

For the
Hewlett Packard Company
Notebook PC
Model Number: HSTNN-W26C
FCC ID: QDS-BRCM1022-H

TEST REPORT #: HEWL4_016_07001_15.407n_20MHz_REDSTORM
DATE: 2007-7-2



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 15.407 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)

2007-7-2 EMC & Radio

Date	Section	Name	Signature
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This report is prepared by:

Satya Radhakrishna
 (EMC Project Engineer)

2007-7-2 EMC & Radio

Date	Section	Name	Signature
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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
Responsible Test Lab Manager:	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 ¹ :	21.89 dBm(0.155 W) EIRP WLAN 802.11n



4 Subject Of Investigation

All testing was performed on the product referred to in Section 3 as EUT. EUT contains Broadcom BCM94321MC WLAN module, FCC ID: QDS-BRCM1022-H that supports the following mode and frequency bands:

2400-2483.4MHz: 802.11b, 802.11g, 802.11n (20MHz) , 802.11n (40MHz)

5150-5350MHz: 802.11a, 802.11n(20MHz), 802.11n(40MHz)

5725-5850MHz: 802.11a, 802.11n(20MHz), 802.11n(40MHz)

The objective of the measurements done by Cetecom Inc. was to measure the performance of the EUT operating under 802.11n (20MHz) mode in the 5150-5350MHz range as specified by requirements listed in FCC rules Part 15.407 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 § 15.407 (RADIATED)

5.1.1 EIRP 802.11 (n) 20 MHz bandwidth MODE:

TEST CONDITIONS			MAXIMUM PEAK OUTPUT POWER (dBm)		
Frequency (MHz)			5180	5260	5320
Chain AB	T _{nom} (23)°C	V _{nom} VDC	21.21	20.25	21.89
Measurement uncertainty			±0.5dBm		



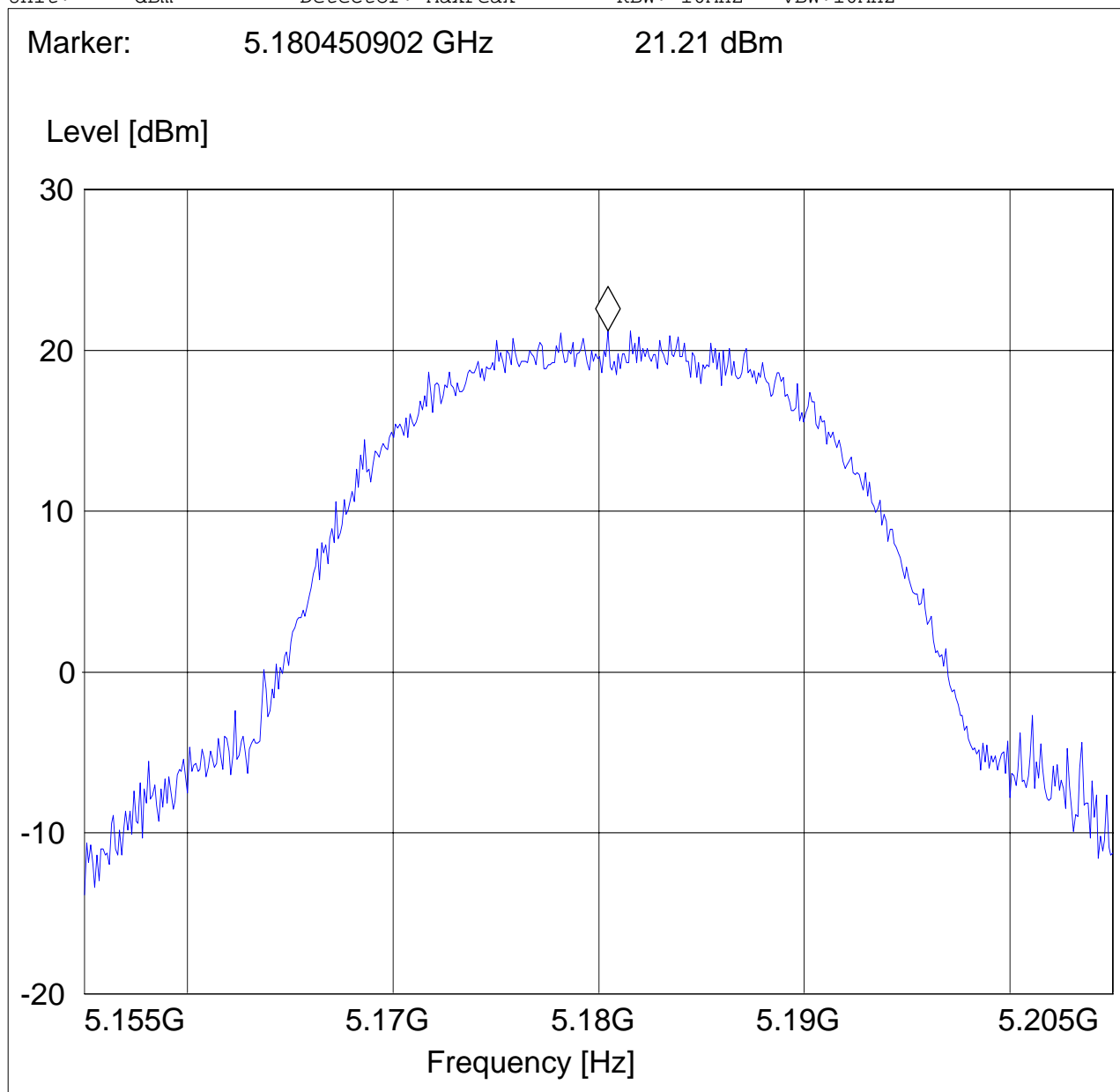
EIRP 802.11 (n) Mode (5190) Chain AB

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

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11 n, ch 36, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a 36"

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





EIRP 802.11 (n) Mode (5270MHz) Chain AB

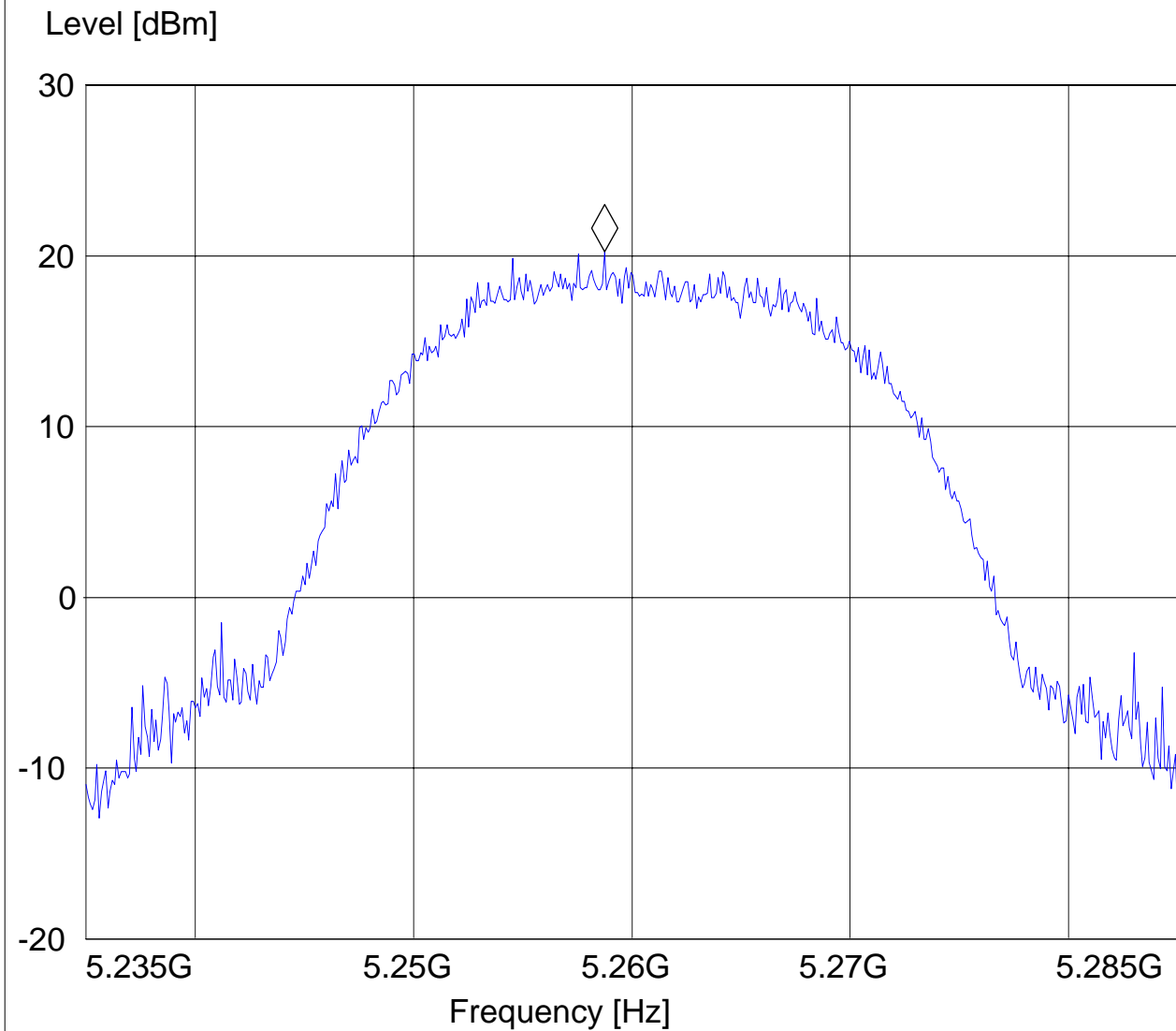
CETECOM Inc., 411 Dixon Landing Road; Milpitas, CA 95035

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11 n, ch 52, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11a 52"

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

Marker: 5.258747495 GHz 20.25 dBm





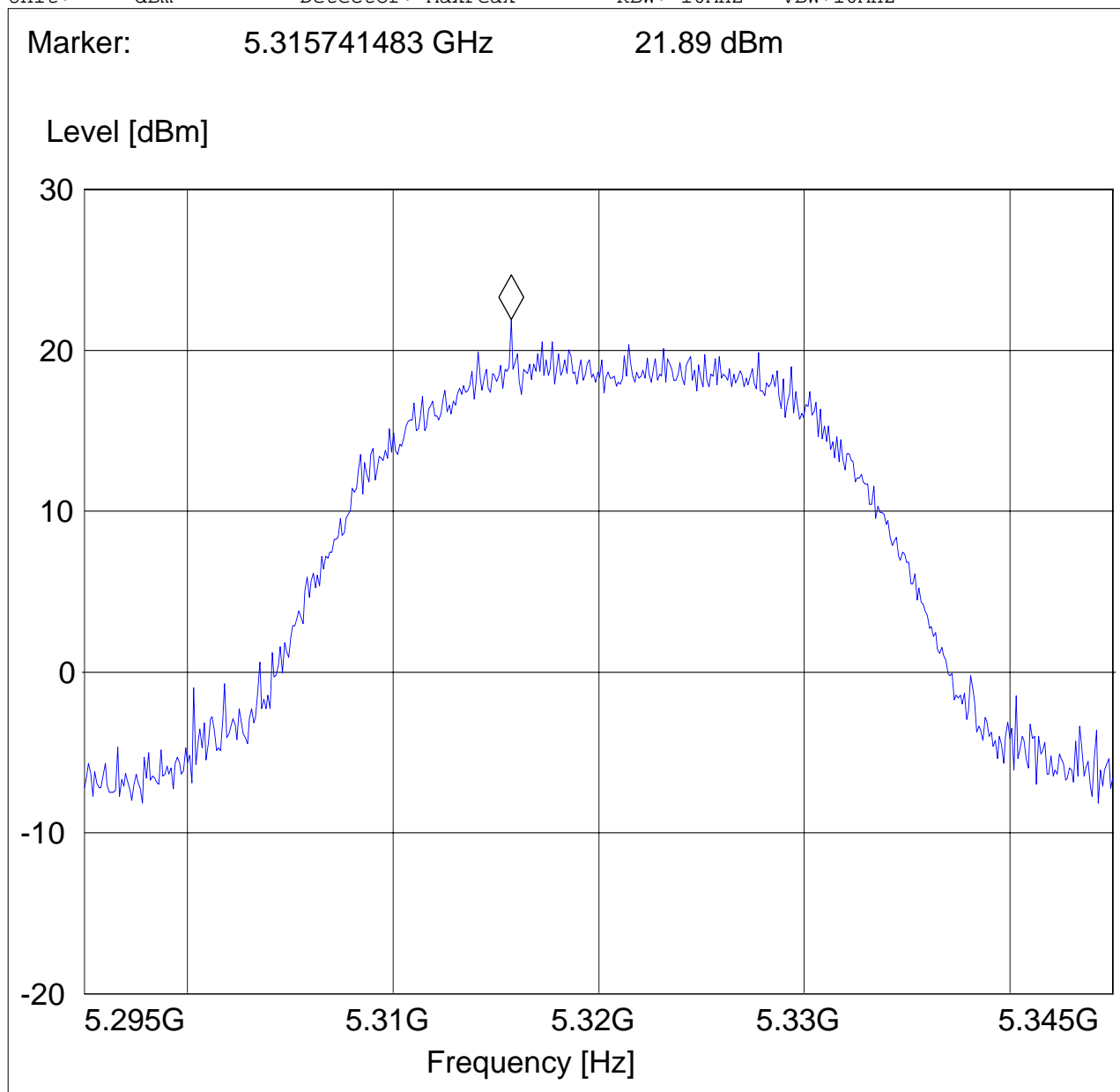
EIRP 802.11 (n) Mode (5310MHz) Chain AB

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

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11 n, ch 64, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "EIRP 802.11n 62"

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





RESTRICTED BAND EDGE COMPLIANCE RADIATED §15.407(b)/15.205

5.1.2 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
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



5.1.3 802.11 (n) MODE (5180MHz) Chain AB

PEAK

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

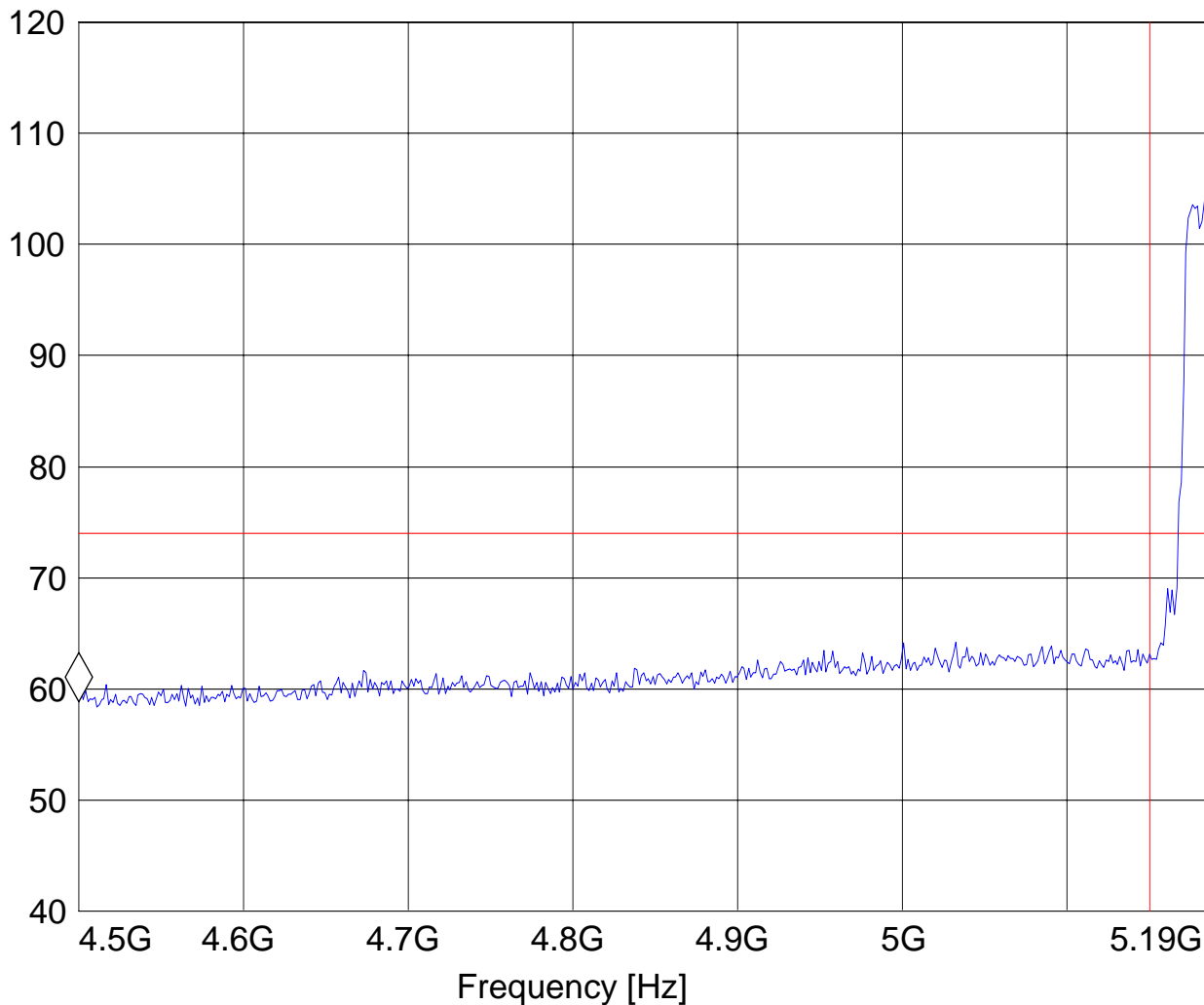
EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11n, 20 MHz, ch 36, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Peter
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.407 A_LBE_PK"

Unit: dB μ V/m
Detector: Mode:
Curve 1: MaxPeak MaxHold VBW: 1MHz RBW: 1MHz

Marker: 4.5 GHz 58.84 dB μ V/m

Level [dB μ V/m]





802.11 (n) MODE (5180MHz) Chain AB

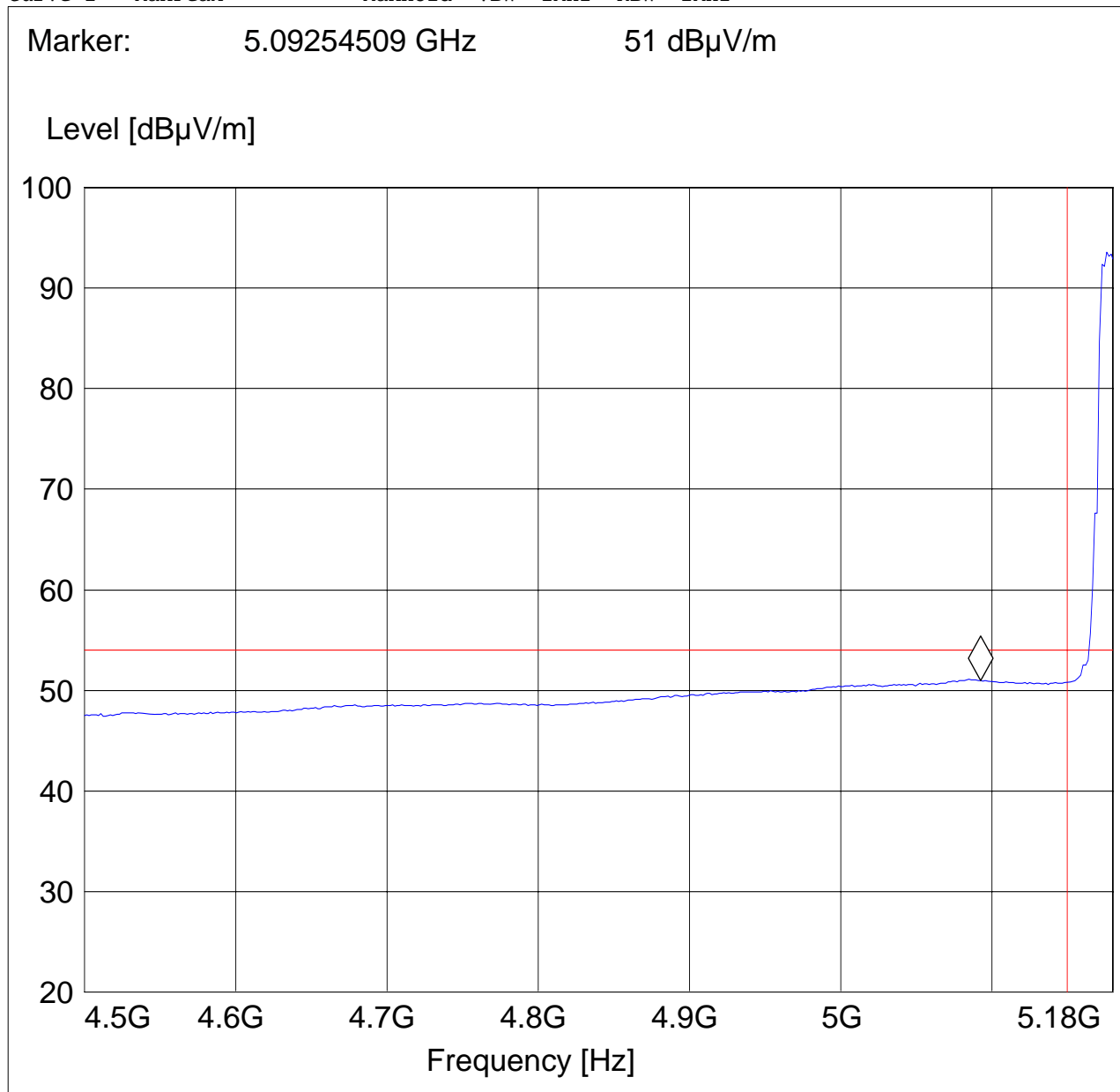
AVG

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

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11n, 20 MHz, ch 36, chain a&b
ANT Orientation: H
EUT Orientation: H
Test Engineer: Peter
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.407 A_LBE_AVG"

Unit: dB μ V/m
Detector: Mode:
Curve 1: MaxPeak MaxHold VBW: 1MHz RBW: 1MHz





5.1.4 802.11 (n) MODE (5320MHz) Chain AB

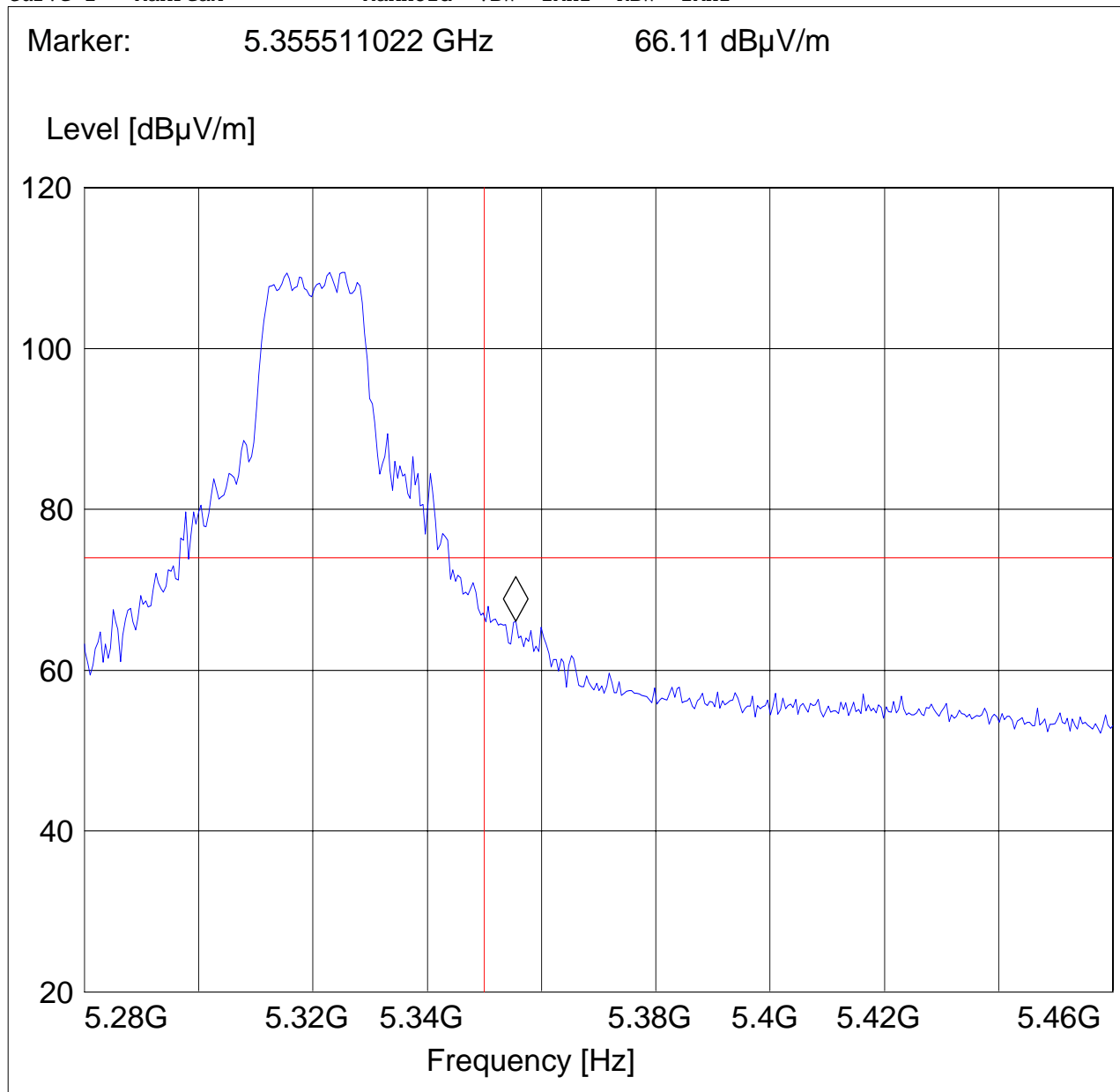
PEAK

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

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11n, 20MHz, ch 64, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.407 A_HBE_PK"

Unit: dB μ V/m
Detector: Mode:
Curve 1: MaxPeak MaxHold VBW: 1MHz RBW: 1MHz





802.11 (n) MODE (5320MHz) Chain AB

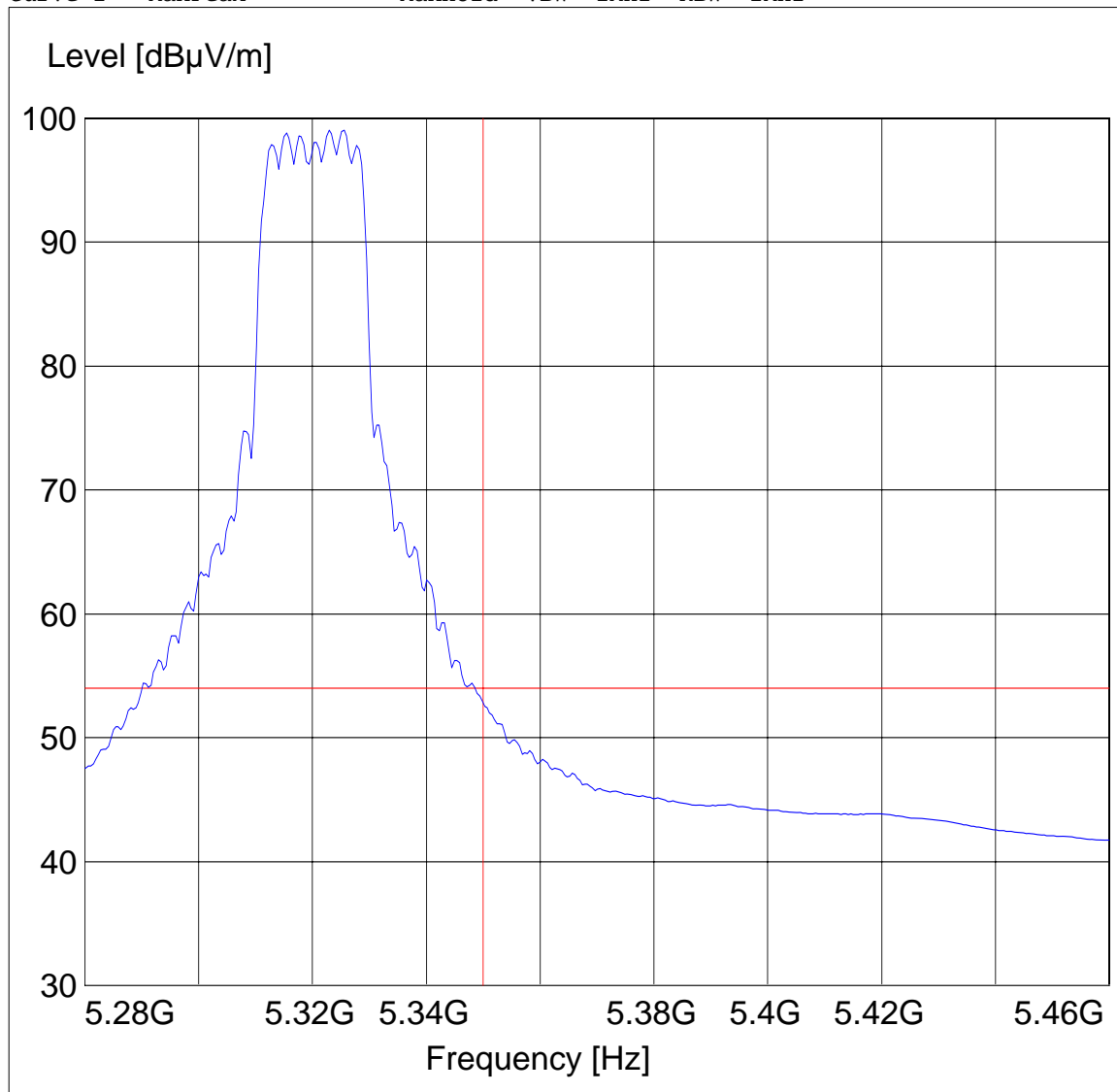
AVG

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

EUT: RedStorm
Customer: HP Texas
Test Mode: 802.11n, 20MHz, ch 64, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

SWEEP TABLE: "FCC15.407 A_HBE_AVG"

Unit: dBμV/m
Detector: Mode:
Curve 1: MaxPeak MaxHold VBW: 1MHz RBW: 1MHz





5.2 TRANSMITTER SPURIOUS EMISSIONS RADIATED § 15.407(b)/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
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 for spurious in restricted bands
- *AVG. LIMIT= 54dBuV/m for spurious in restricted bands
- *PEAK LIMIT= 68.2dBuV/m for spurious NOT in restricted bands

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 802.11 (n) MODE Chain AB
30MHz – 1GHz

Antenna: Horizontal

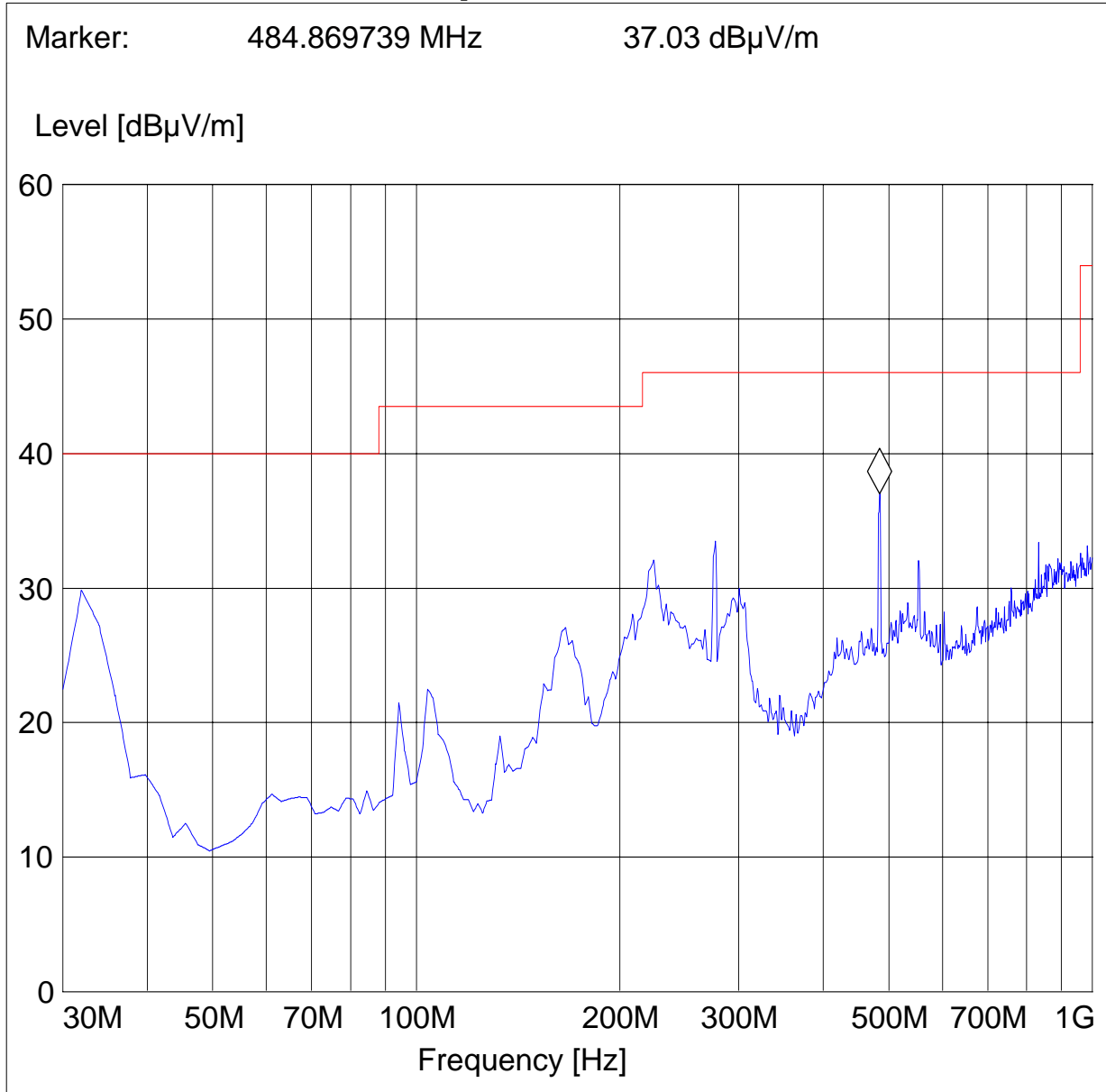
Note: This plot is valid for low, mid, high channels horizontal and vertical polarities (worst-case plot).

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

EUT: Redstorm
 Customer: HP Texas
 Test Mode: WLAN 802.11n, 20MHz, ch 36, chain a&b
 ANT Orientation: V
 EUT Orientation: H
 Test Engineer: Satya Radhakrishna
 Power Supply: AC Adapter

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

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





1-18GHz (5180MHz) Chain AB

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

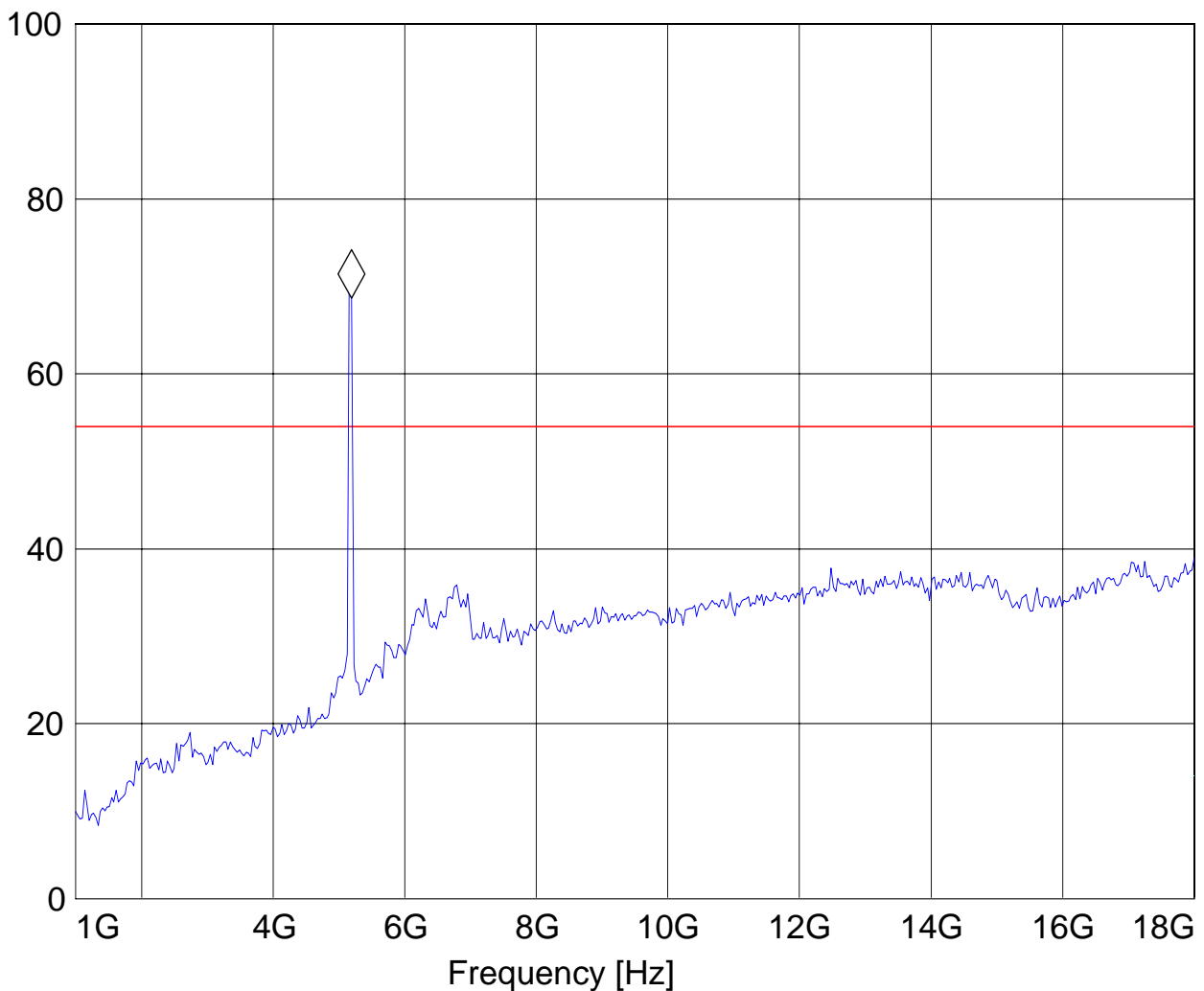
EUT / Description: RedStorm
Manufacturer: HP Texas
Test mode: 802.11n, ch 36, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Voltage: AC Adapter
Comments: Marker placed on transmit signal

SWEEP TABLE: "FCC 15.407 1-18G"

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

Marker: 5.190380762 GHz 68.63 dB μ V/m

Level [dB μ V/m]





1-18GHz (5260MHz) Chain AB

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

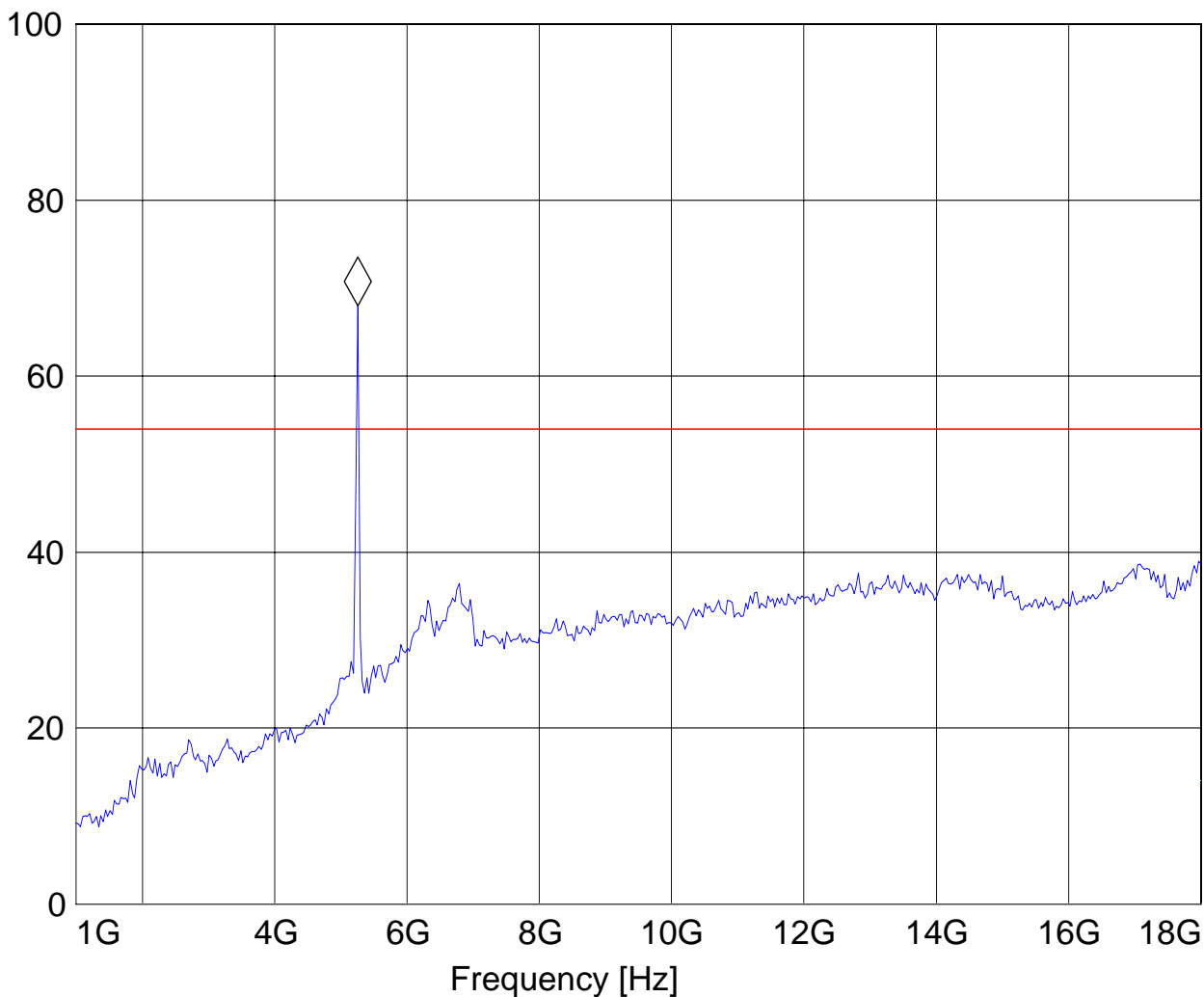
EUT / Description: RedStorm
Manufacturer: HP Texas
Test mode: 802.11n, ch 52, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Voltage: AC Adapter
Comments: Marker placed on transmit signal

SWEEP TABLE: "FCC 15.407 1-18G"

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

Marker: 5.258517034 GHz 67.98 dB μ V/m

Level [dB μ V/m]





1-18GHz (5320MHz) Chain AB

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

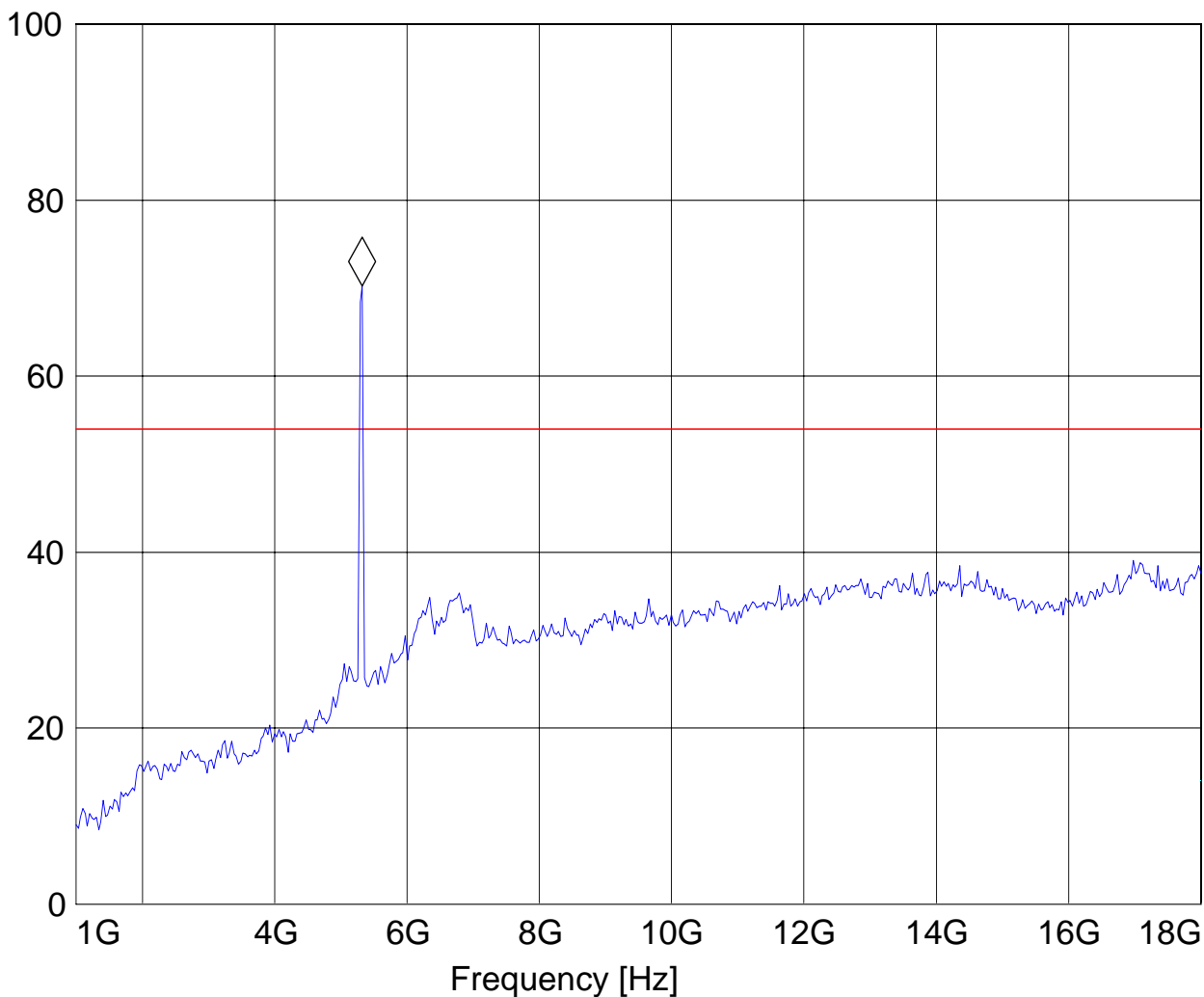
EUT / Description: RedStorm
Manufacturer: HP Texas
Test mode: 802.11n, ch 64, 20MHz BW, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Voltage: AC Adapter
Comments: Marker placed on transmit signal

SWEEP TABLE: "FCC 15.407 1-18G"

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

Marker: 5.326653307 GHz 70.24 dB μ V/m

Level [dB μ V/m]





18-26.5GHz (5180MHz) Chain AB

Note: Peak Reading vs. Average limit

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

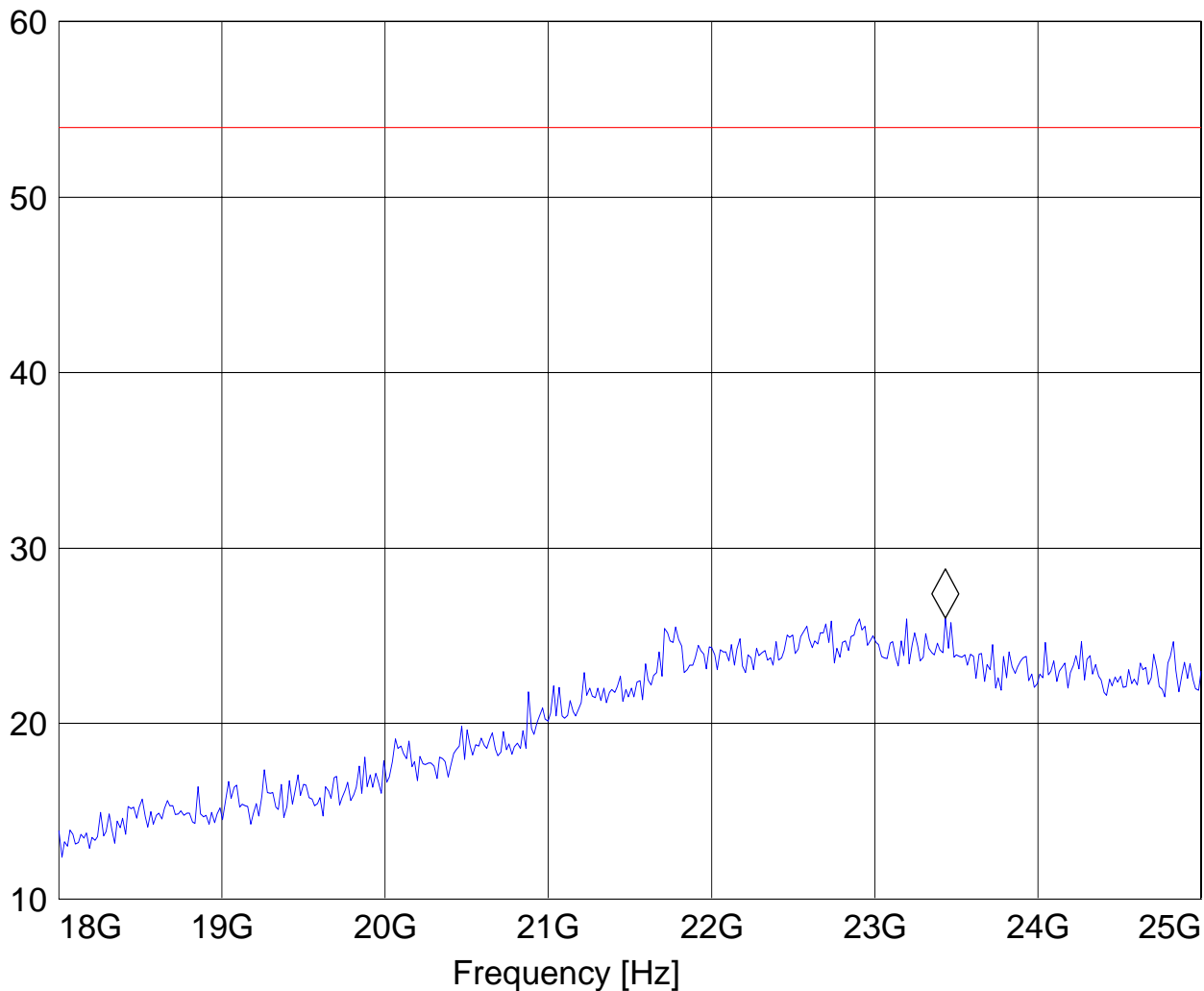
EUT: Redstorm
Customer: HP Texas
Test Mode: 802.11n, 20MHz, ch 36, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

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: 23.433867735 GHz 26 dBμV/m

Level [dBμV/m]





18-26.5GHz (5260MHz) Chain AB

Note: Peak Reading vs. Average limit

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

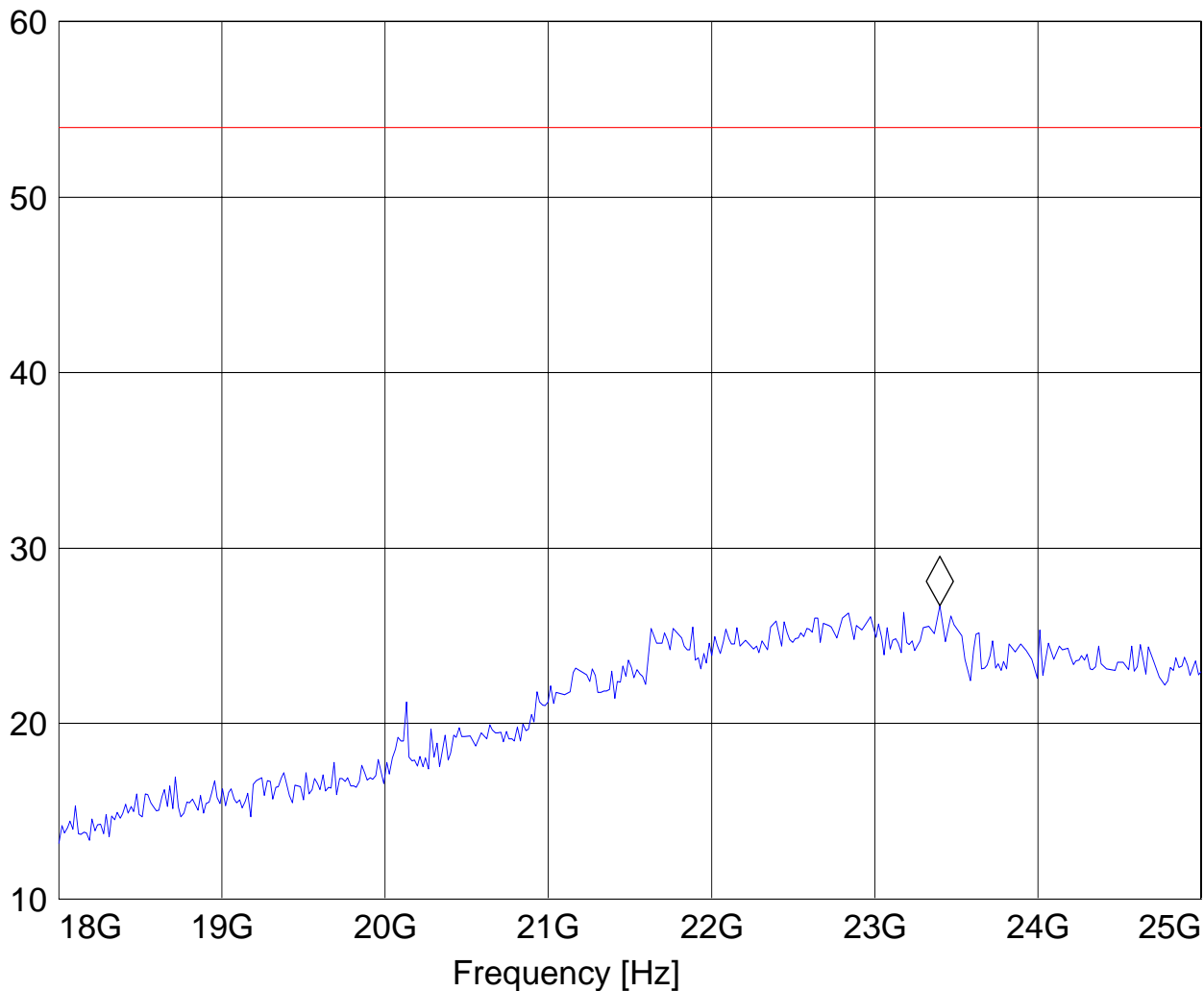
EUT: Redstorm
Customer: HP Texas
Test Mode: 802.11n, 20MHz, ch 52, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

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: 23.399799599 GHz 26.7 dB μ V/m

Level [dB μ V/m]





18-26.5GHz (5320MHz) Chain AB

Note: Peak Reading vs. Average limit

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

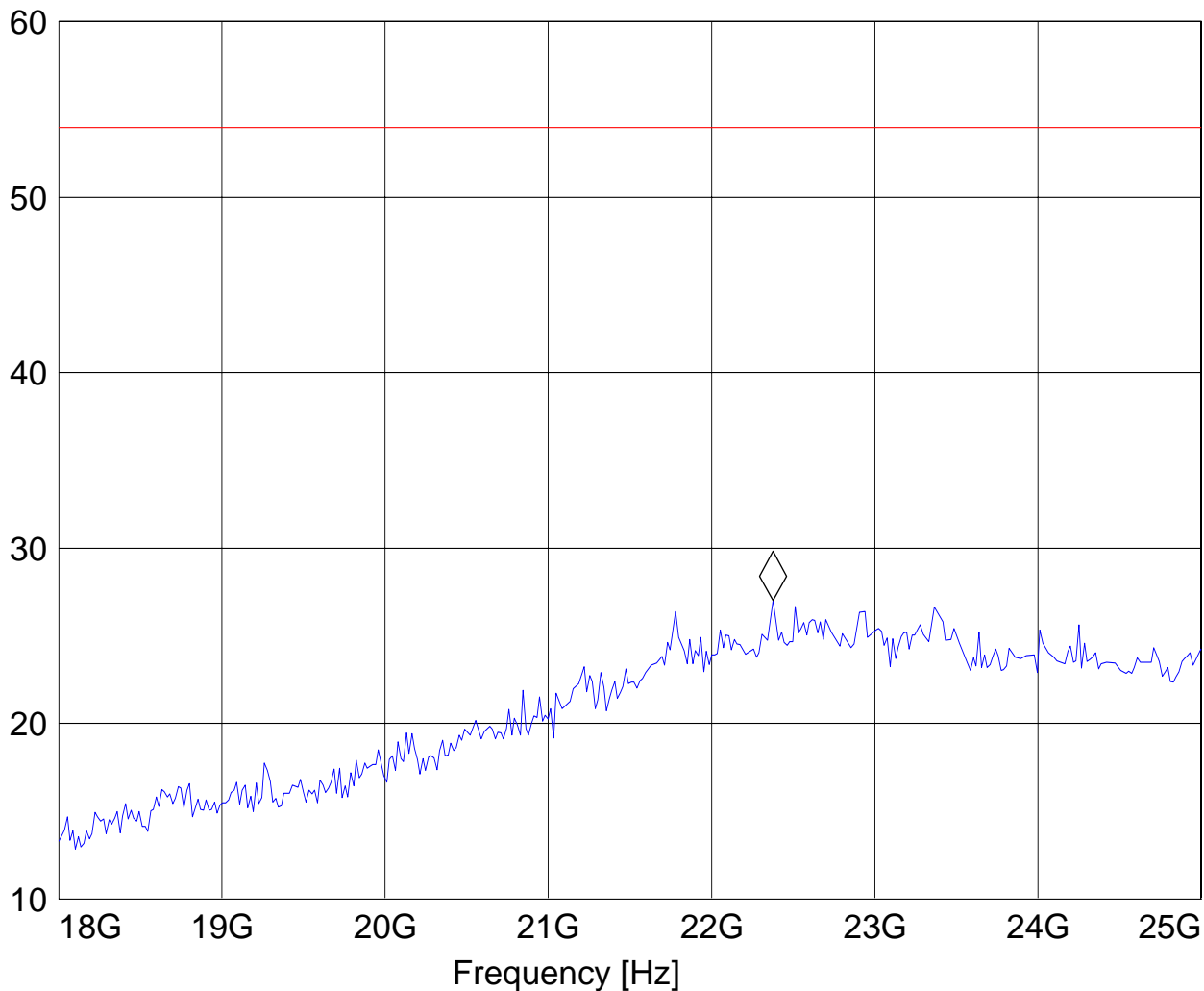
EUT: Redstorm
Customer: HP Texas
Test Mode: 802.11n, 20MHz, ch 64, chain ab
ANT Orientation: H
EUT Orientation: H
Test Engineer: Satya Radhakrishna
Power Supply: AC Adapter

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: 22.37775511 GHz 27.01 dB μ V/m

Level [dB μ V/m]





26-40GHz Chain AB

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

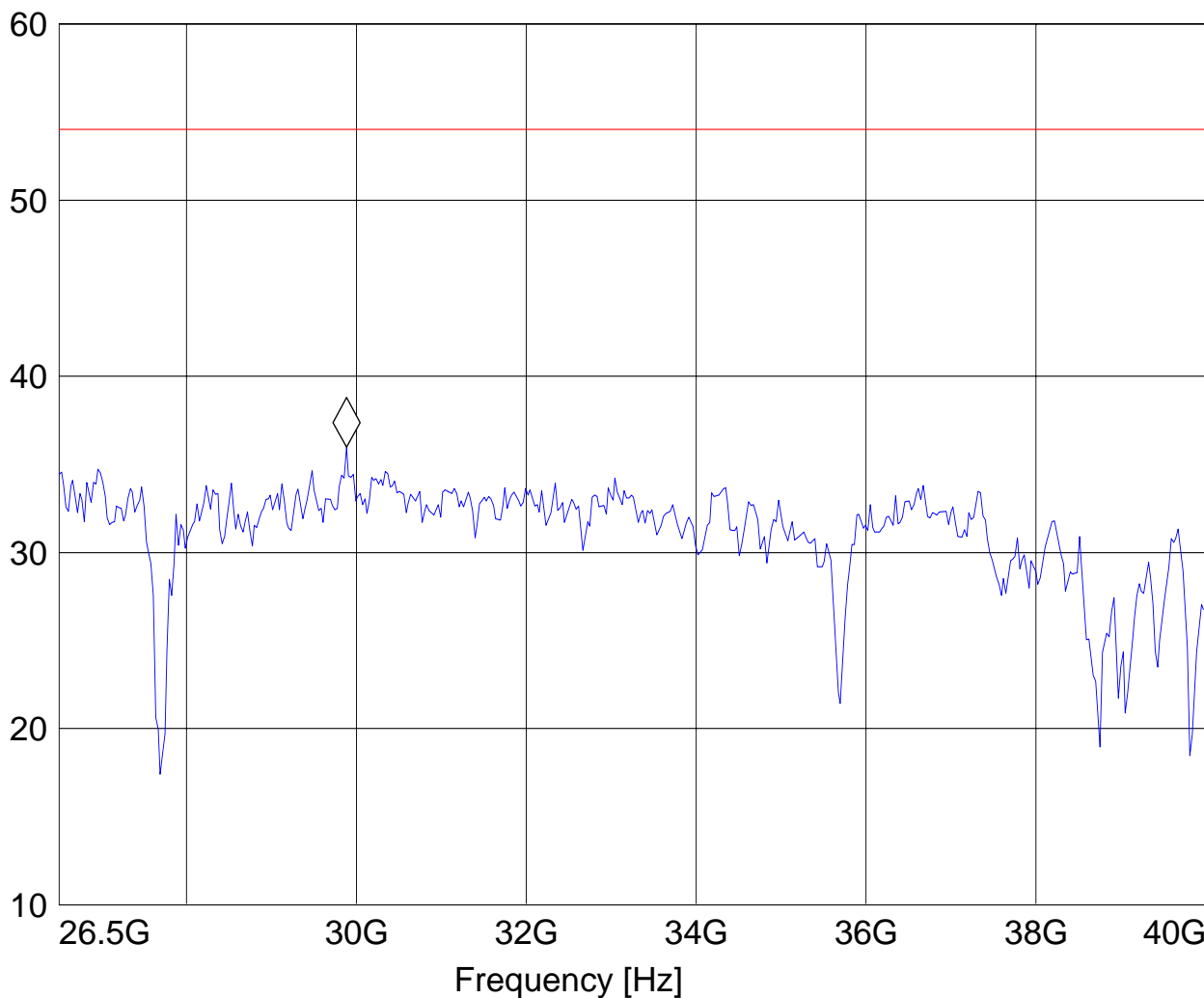
EUT / Description: RedStorm
 Manufacturer: HP Texas
 Test mode: 802.11n, ch 52, 20MHz BW, chain ab
 ANT Orientation: H
 EUT Orientation: H
 Test Engineer: Ed
 Voltage: AC Adapter

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

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

Marker: 29.881763527 GHz 35.99 dBµV/m

Level [dBµV/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



5.3.2 RESULTS

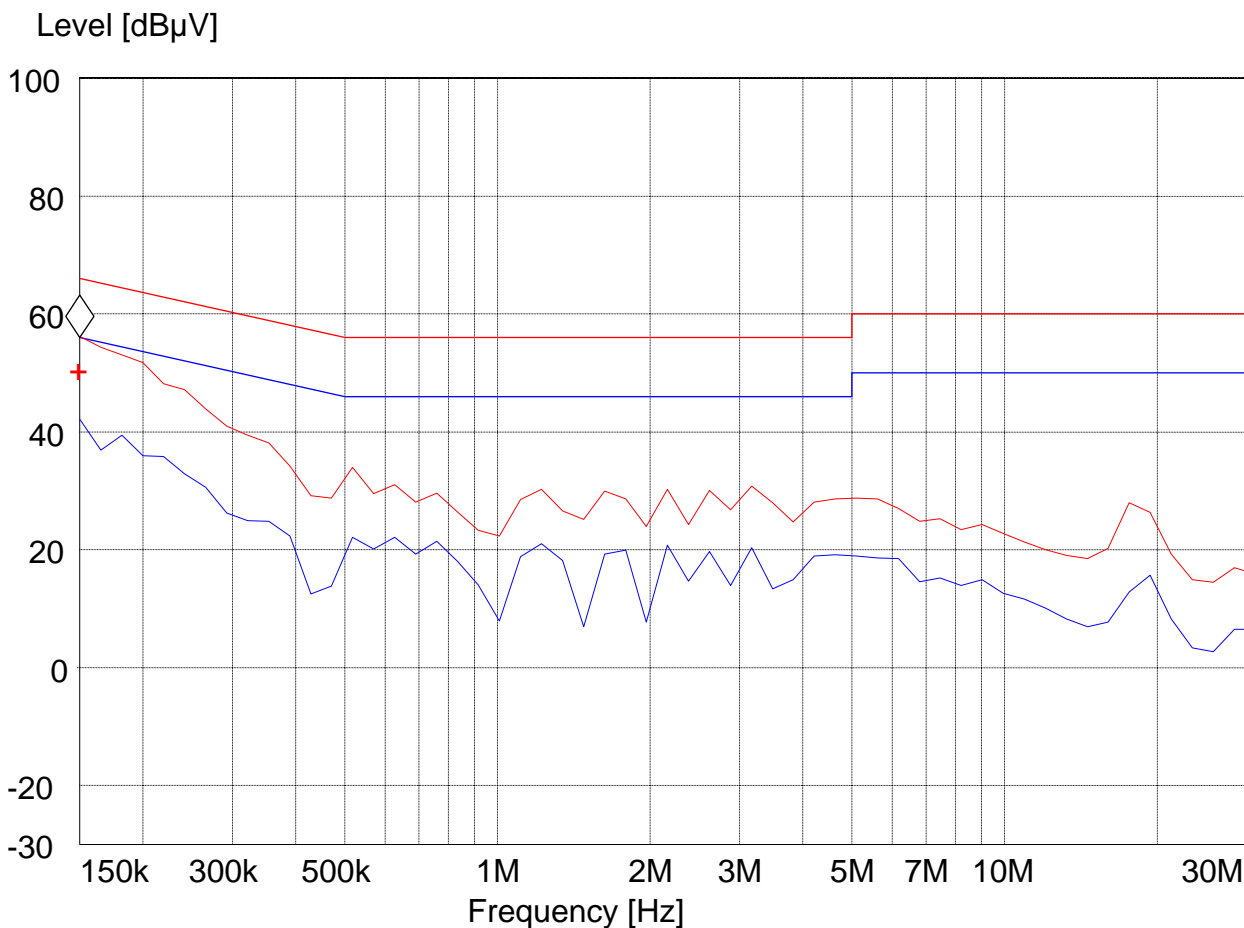
Line:

EUT: RedStorm
 Manufacturer: HP
 Operating Condition: WLAN
 Test Engineer: Peter Mu
 EUT Orientation: H
 Voltage: AC Adaptor

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 56 dBµV



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



MEASUREMENT RESULT: "55022 V AV QPk"

6/29/2007 9:02AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.150000	50.90	0.0	66	15.1	---	---

LIMIT LINE: "EN 55022 V AV"

Short Description: Voltage AV Limit
4/27/1998 2:24PM

Frequency MHz	Level dBµV
0.150000	56.00
0.500000	46.00
5.000000	46.00
5.000000	50.00
30.000000	50.00

LIMIT LINE: "EN 55022 V QP"

Short Description: Voltage QP Limit
4/27/1998 2:24PM

Frequency MHz	Level dBµV
0.150000	66.00
0.500000	56.00
5.000000	56.00
5.000000	60.00
30.000000	60.00



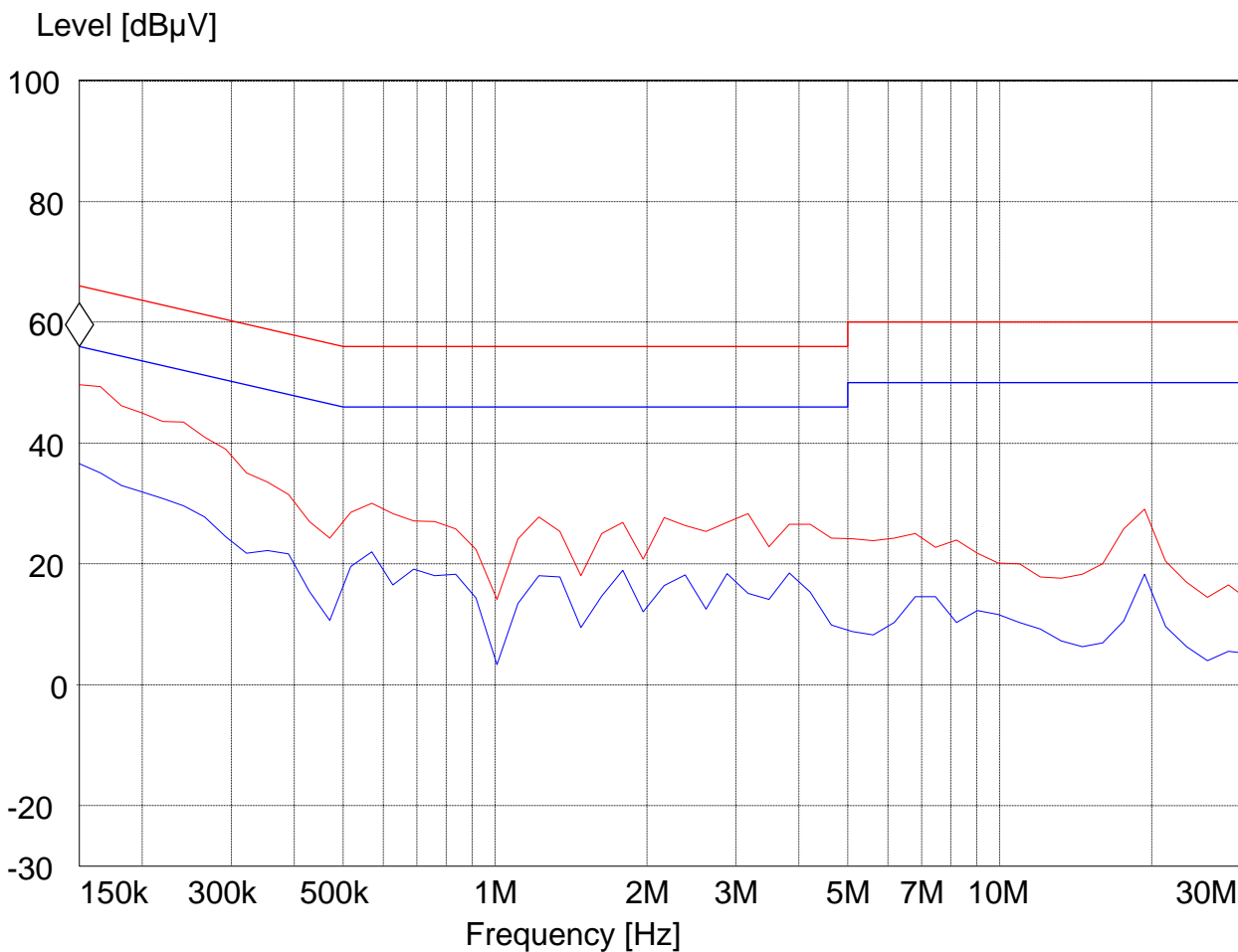
Neutral:

EUT: RedStorm
 Manufacturer: HP
 Operating Condition: WLAN
 Test Engineer: Peter Mu
 EUT Orientation: H
 Voltage: AC Adaptr

SWEEP TABLE: "55022 cond"

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

Marker: 150 kHz 56 dBµV



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



LIMIT LINE: "EN 55022 V AV"

Short Description:		Voltage AV Limit
4/27/1998 2:24PM		
Frequency	Level	
MHz	dBµV	
0.150000	56.00	
0.500000	46.00	
5.000000	46.00	
5.000000	50.00	
30.000000	50.00	

LIMIT LINE: "EN 55022 V QP"

Short Description:		Voltage QP Limit
4/27/1998 2:24PM		
Frequency	Level	
MHz	dBµV	
0.150000	66.00	
0.500000	56.00	
5.000000	56.00	
5.000000	60.00	
30.000000	60.00	



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	0857.8008.0 2	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

