FCC Test Report

FCC Part 15.407 for UNII Devices/
CANADA RSS-210 issue 5 for Lelean Devices

FOR:

Handheld PC

MODEL #: PCG-1J1L

SONY CORPORATION
6-7-35, KITASHINAGAWA, SHINAGAWA-KU
TOKYO 141-0001
JAPAN

FCC ID: AK8PCG1J1L
IC ID: 409B-PCG1J1L

TEST REPORT #: SONYE_005_06001_15.407A
DATE:

Deutscher Akkreditierungs Rat DAR

TTI-P-G 081/94-A0

Accredited according to **ISO/IEC 17025**

Bluetooth™

Bluetooth Qualification Test Facility (BQTF)

CTIA Authorized Test Lab
LAB CODE 20020328-00

FCC listed # 101450

IC recognized # 3925

***CETECOM* Inc.**
411 Dixon Landing Road ◆ Milpitas, CA 95035 ◆ U.S.A.
Phone: + 1 (408) 586 6200 ◆ Fax: + 1 (408) 586 6299 ◆ E-mail: info@cetecomusa.com ◆ http://www.cetecom.com
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 and in compliance with the applicable criteria specified in Industry Canada rules RSS210.

Company	Description	Model #
SONY CORP.	**HANDHELD PC**	**PCG-1J1L** **PCG-1K1L**

Pete Krebill
Project Leader

Lothar Schmidt
Test Lab Manager

2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

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**
Responsible Project Leader:	**Pete Krebill**
Date of test:	**3/31/2006**

2.2 Identification of the Client

Applicant's Name:	**SONY Corporation**
Street Address:	**6-7-35, Kitashinagawa, Shinagawa-ku,**
City/Zip Code	**Tokyo 141-0001**
Country	**Japan**
Contact Person:	**Takumi Ozawa**
Phone No.	**81-3-5795-8716**
Fax:	**81-3-5795-8981**
e-mail:	**ozawa@sm.sony.co.jp**

2.3 Identification of the Manufacturer

Manufacturer's Name:	**Sony EMCS Corporation**
Manufacturers Address:	**5432 Toyoshima, Azumino-shi,**
City/Zip Code	**Nagano 399-8282,**
Country	**Japan**

3 Equipment under Test (EUT)

3.1 Identification of the Equipment under Test

Marketing Name:	**PCG-1J1L** **PCG-1K1L (identical device with different memory size)**
Description:	**Handheld PC**
Model No:	**PCG-1J1L**
FCC ID:	**AK8PCG1J1L**
IC ID:	**409B-PCG1J1L**
Frequency Range:	**5150-5250MHz, 5250-5350MHz**
*Type(s) of Modulation:	**OFDM**
Number of Channels:	**29**
Antenna Type:	**λ/monopole (Inverted F Antenna)**
Output Power:	**a mode: 0.068 W EIRP @ 5180MHz** **a mode: 0.065 W EIRP @ 5260MHz** **a mode: 0.036 W EIRP @ 5320MHz**

***This report contains data for FCC15.407 "a" mode for all "b" and "g" mode data please see report SONYE_004_05002_15.247BG and for FCC15.247 "a" mode data please see report SONYE_005_06001_15.247A.**

3.2 Identification of Accessory equipment

TYPE	MANF.	MODEL
AC ADAPTER	SONY	VGP-AC16V7

4 Subject Of Investigation

All testing was performed on the PCG-1J1L referred to as EUT. The EUT carries a pre-certified WLAN module with FCC ID# PD9WM3945ABG. This test report contains full radiated testing as per FCC15.407 on the EUT with the pre-certified WLAN module. All conducted measurements are covered under *test report# INTEL-051020F*

During the testing process the EUT was tested in "a" mode with 1Mbps data rate which yielded the worst case results. All testing was performed on main antenna which yielded the highest gain, all data in this report shows the worst case between horizontal and vertical polarization for above 1GHz.

The objective of the measurements done by Cetecom Inc. was to measure the performance of the EUT as specified by requirements listed in FCC rules Part 15.407 of Title 47 of the Code of Federal Regulations and Industry Canada rules RSS210.

5 Measurements

5.1 MAXIMUM PEAK OUTPUT POWER § 15.407 (RADIATED)

5.1.1 LIMIT SUB CLAUSE § 15.407 (a)

Frequency range	RF power output
5180MHz	17.68 dBm EIRP
5260MHz	24.68 dBm EIRP
5320MHz	25.04 dBm EIRP

limit is based upon 26dB bandwidth from report# # *INTEL-051020F

5.1.2 EIRP a MODE:

TEST CONDITIONS		MAXIMUM PEAK OUTPUT POWER (dBm)		
Frequency (MHz)		5180	5260	5320
T_{nom}(23)°C	V_{nom}VDC	14.84	18.13	15.57
Measurement uncertainty		±0.5dBm		

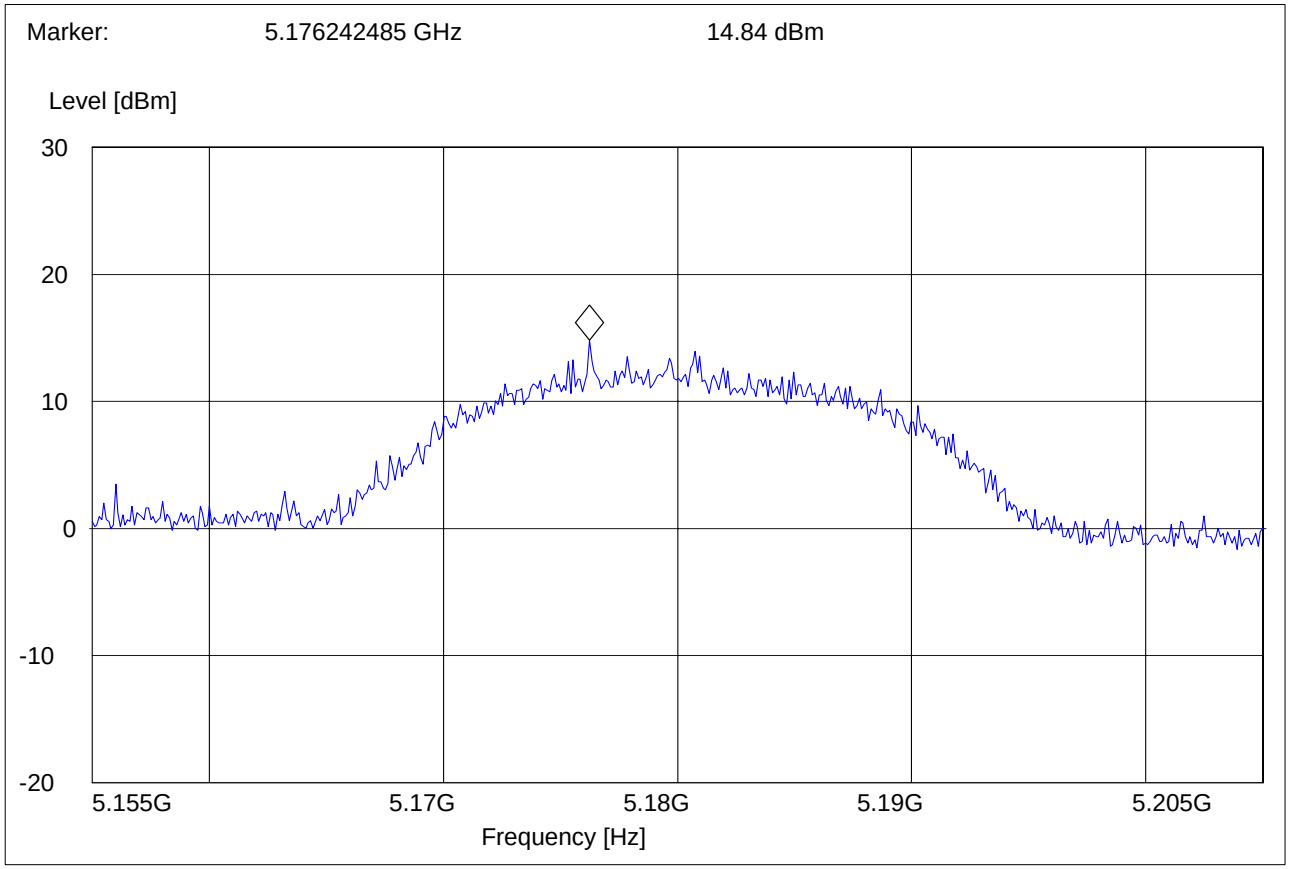
EIRP a Mode (5180)

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: handheld
Customer: Sony
Operating Mode: 5180 MHz TX
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC 110 V
Sweep: EIRP

SWEEP TABLE: "EIRP 802.11a 36"

Short Description: EIRP channel-5180 MHz

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.2 GHz	MaxPeak	Coupled	10 MHz	DUMMY-DBM MaxPeak

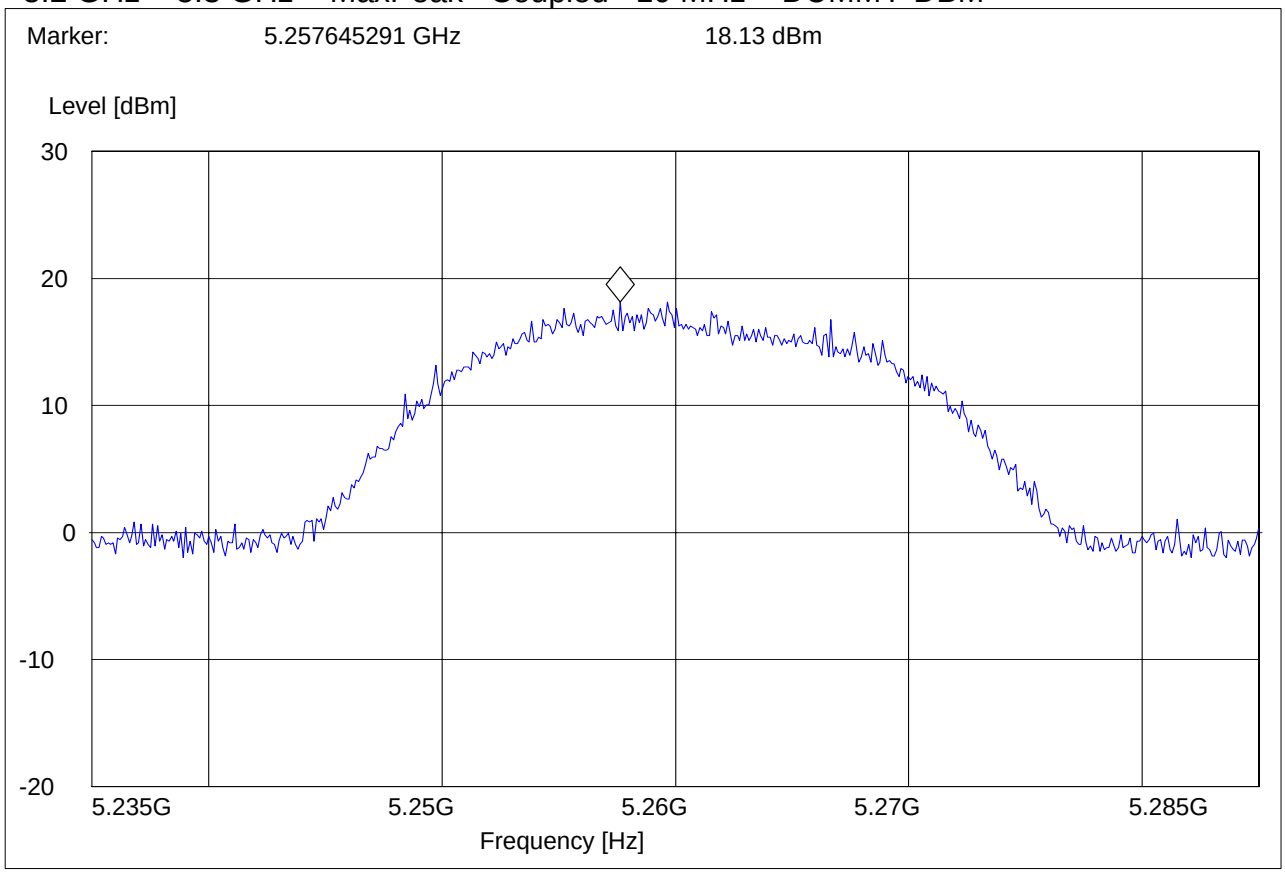


EIRP a Mode (5260MHz)

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5260 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "EIRP 802.11a 52"

Short Description:		EIRP channel-5260 MHz			
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.3 GHz	MaxPeak	Coupled	10 MHz	DUMMY-DBM

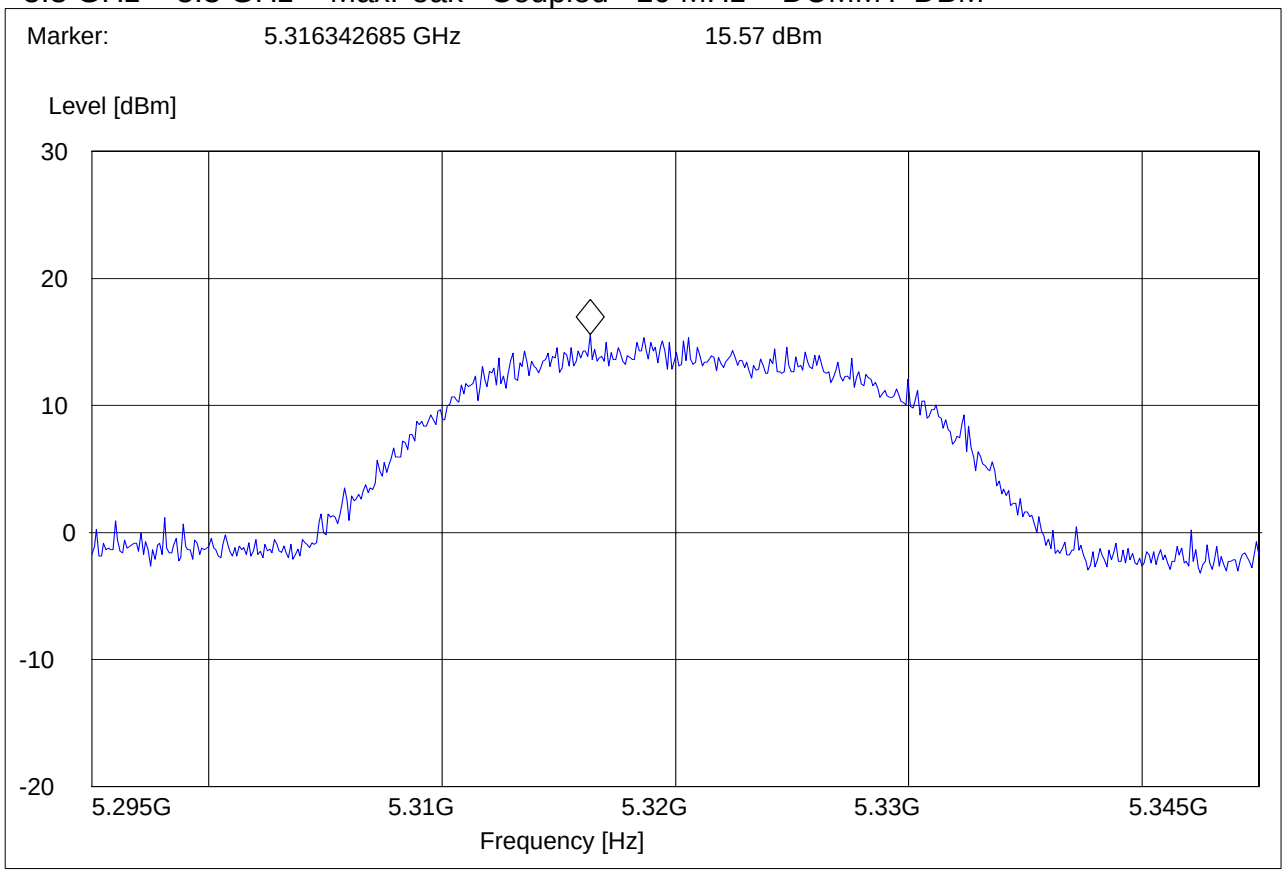


EIRP a Mode (5320MHz)

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5320 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "EIRP 802.11a 64"

Short Description:		EIRP channel-5320 MHz			
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.3 GHz	5.3 GHz	MaxPeak	Coupled	10 MHz	DUMMY-DBM



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

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			

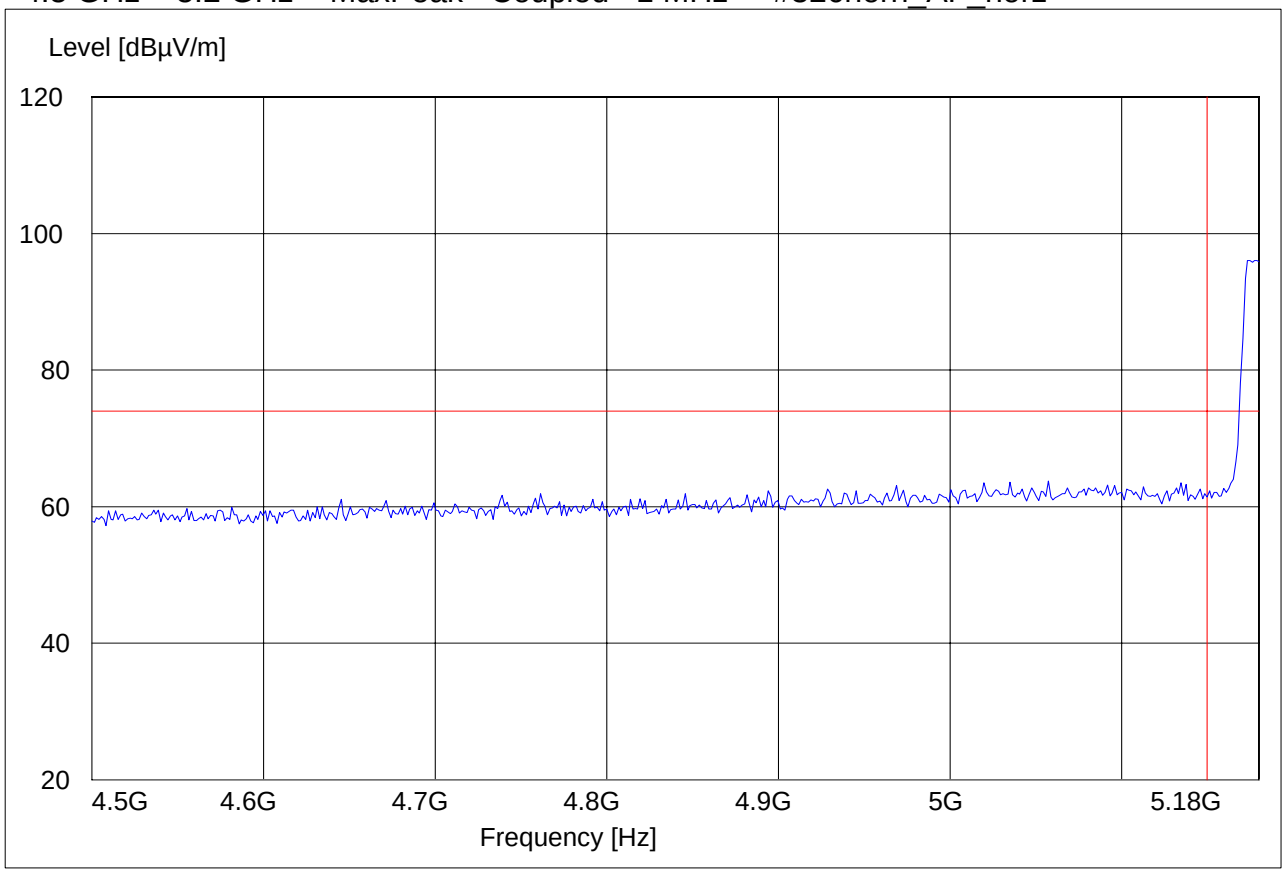
***PEAK LIMIT= 74dBuV/m**
***AVG. LIMIT= 54dBuV/m**

5.2.2 a MODE (5180MHz)
PEAK

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "FCC15.407 A_LBE_PK"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
4.5 GHz	5.2 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



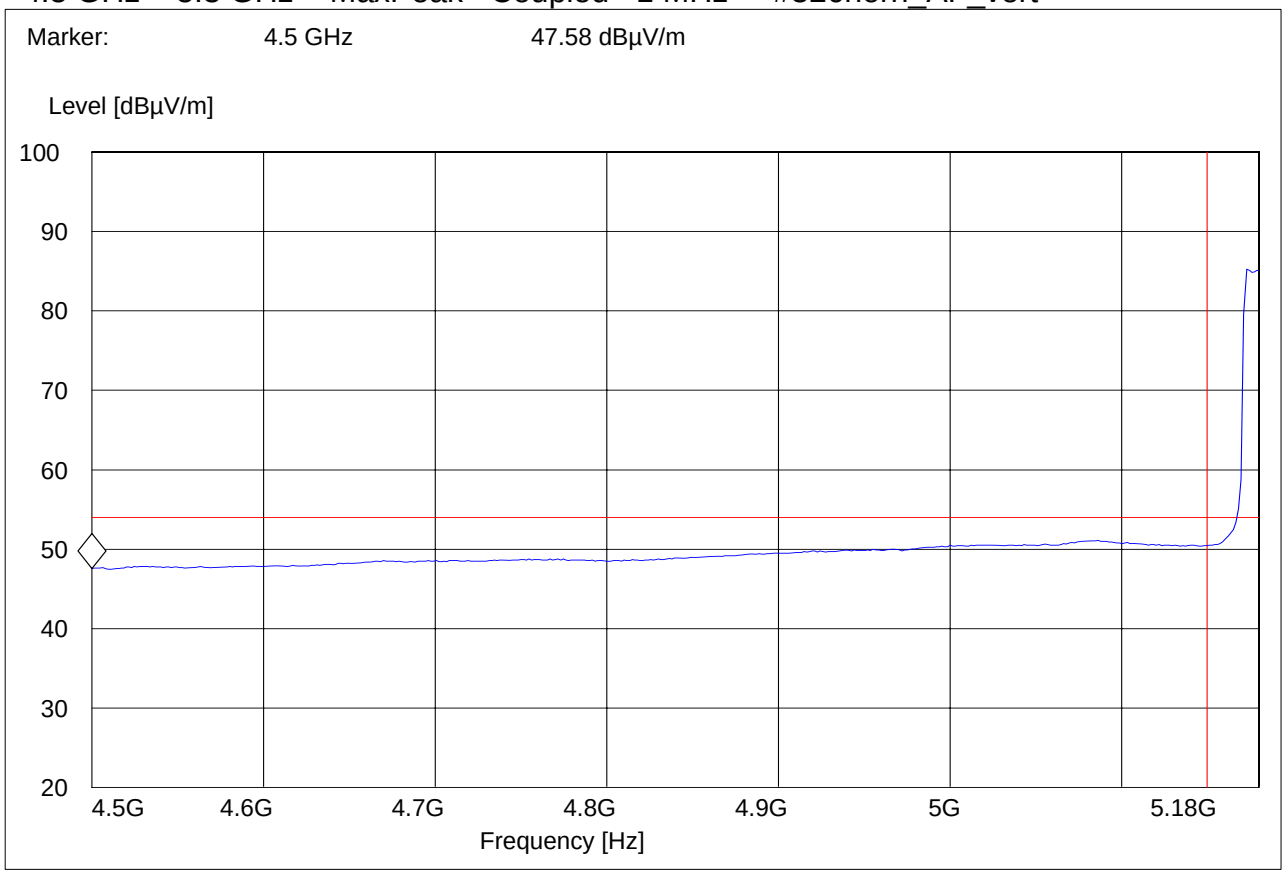
AVG

CETECOM Inc.

411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "FCC15.407 A_LBE_AVG"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
4.5 GHz	5.3 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_vert

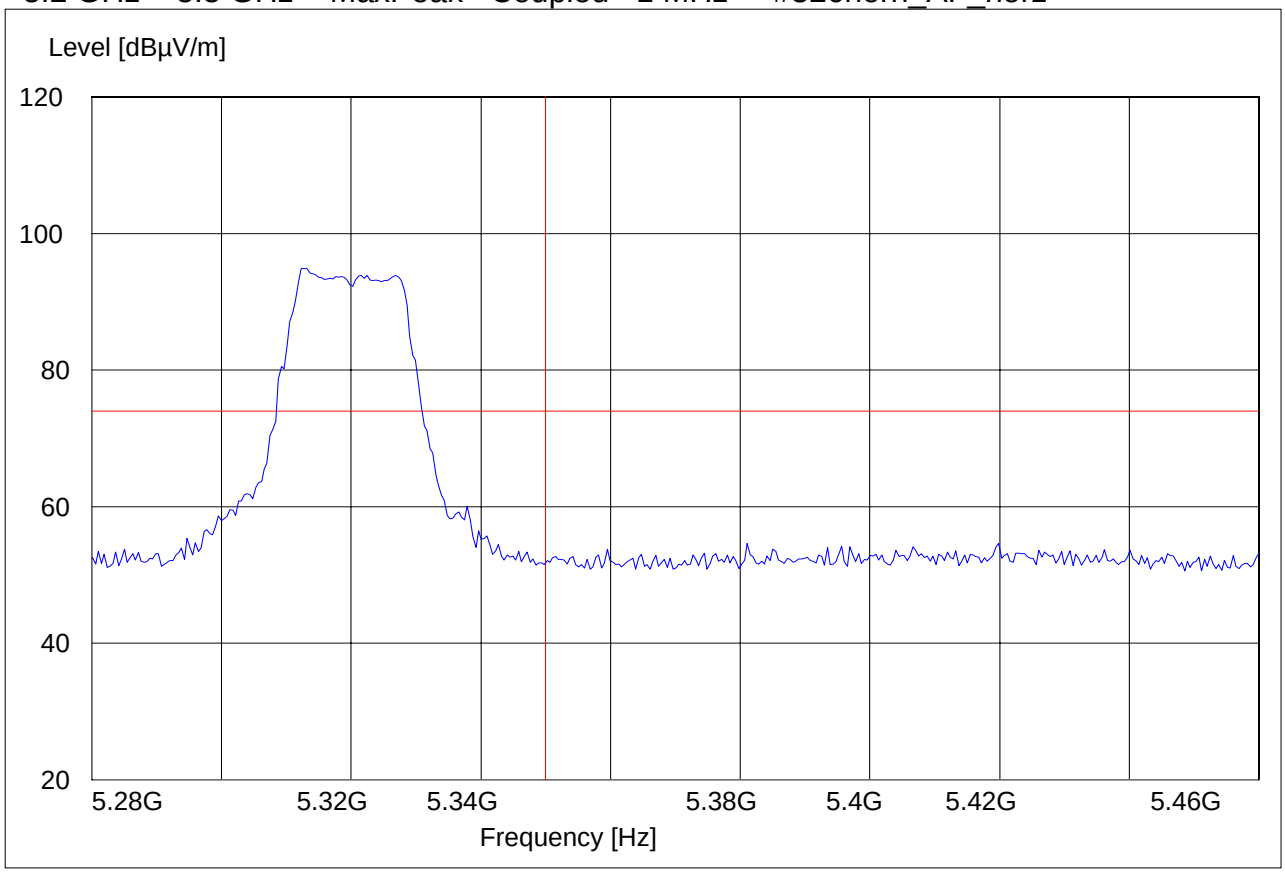


5.2.3 a MODE (5320MHz)
PEAK

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5320 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "FCC15.407 A_HBE_PK"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.5 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz

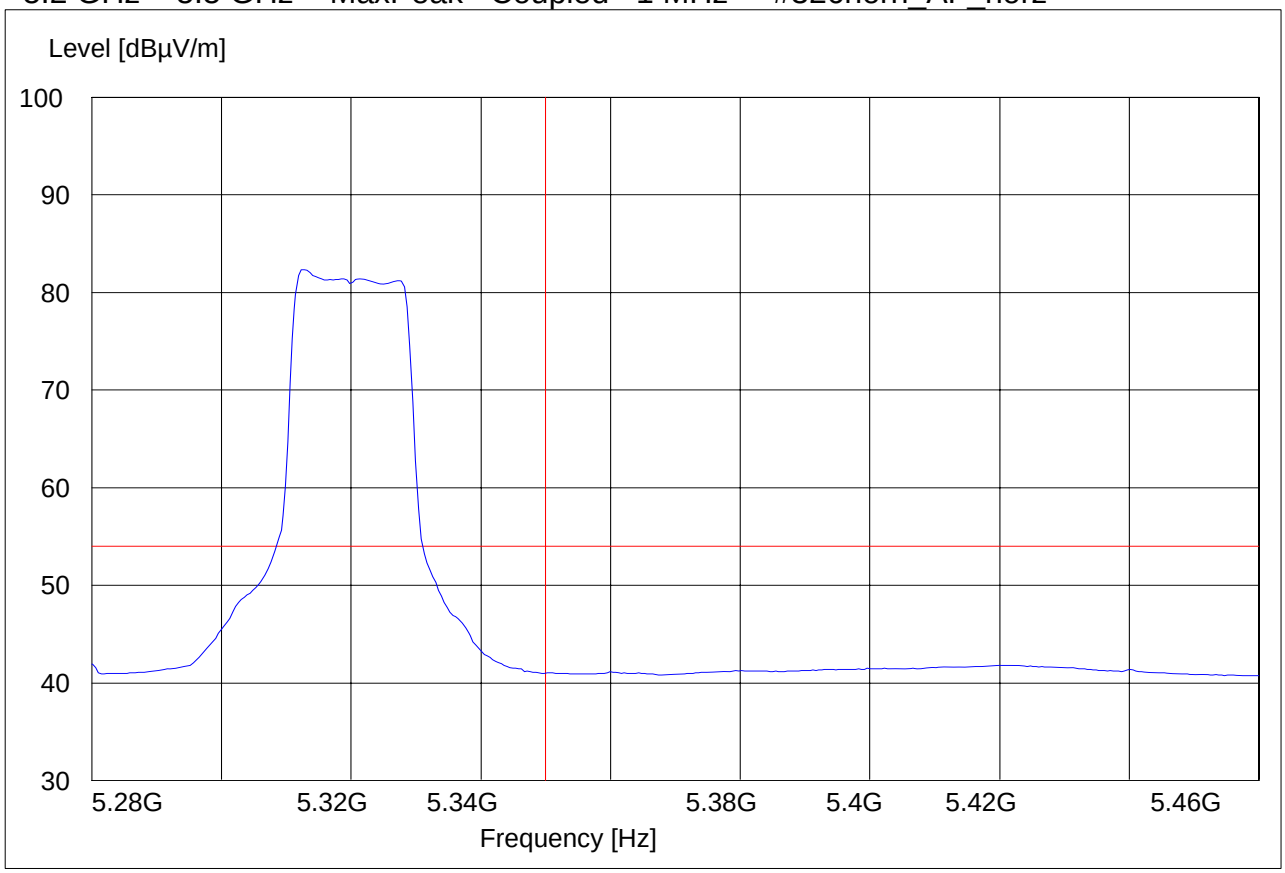


AVG

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5320 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "FCC15.407 A_HBE_AVG"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.5 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



5.3 TRANSMITTER SPURIOUS EMISSIONS RADIATED § 15.407(b)/15.205/15.209

5.3.1 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 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

5.3.2 RESULTS a MODE

30MHz – 1GHz

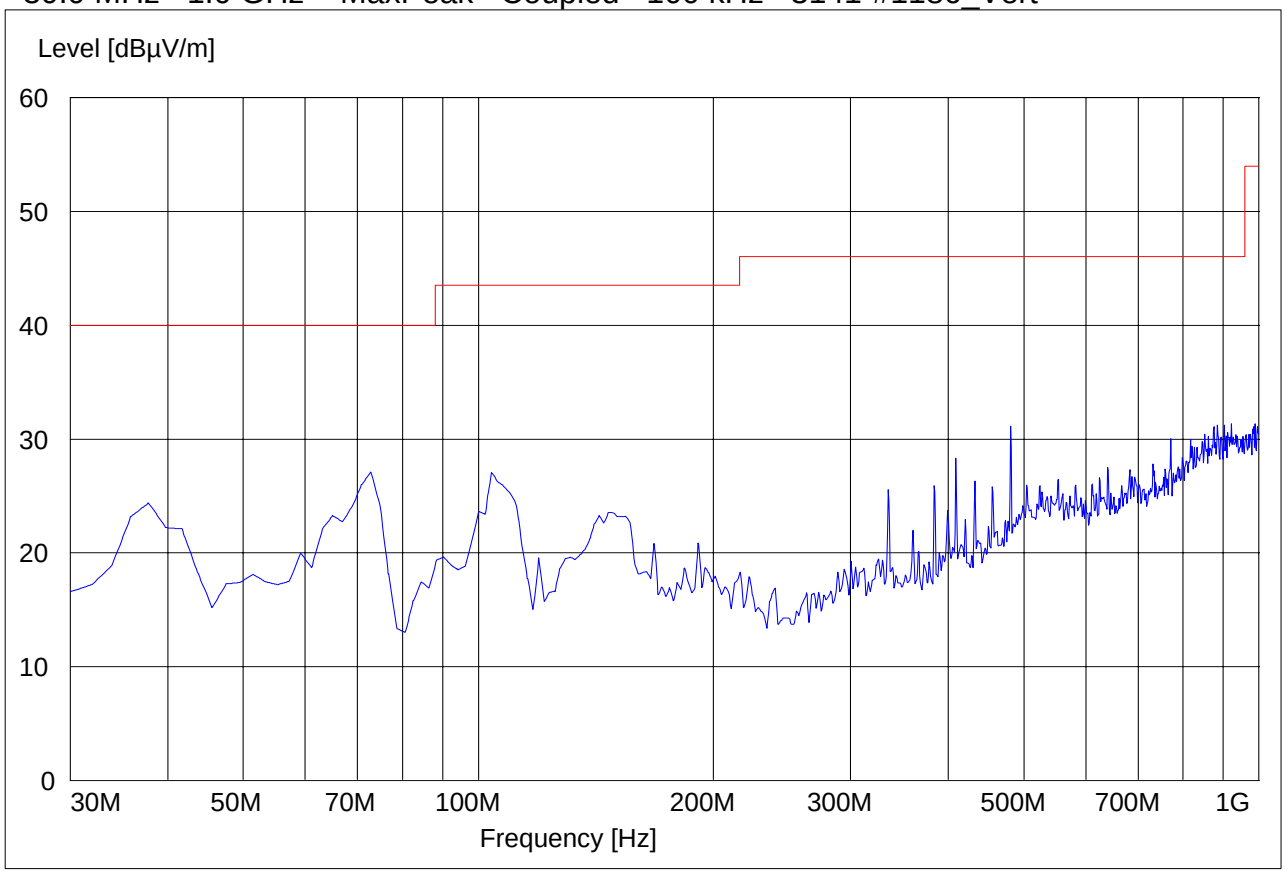
Antenna:

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, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX 5180 Mhz
Antenna: V
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

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

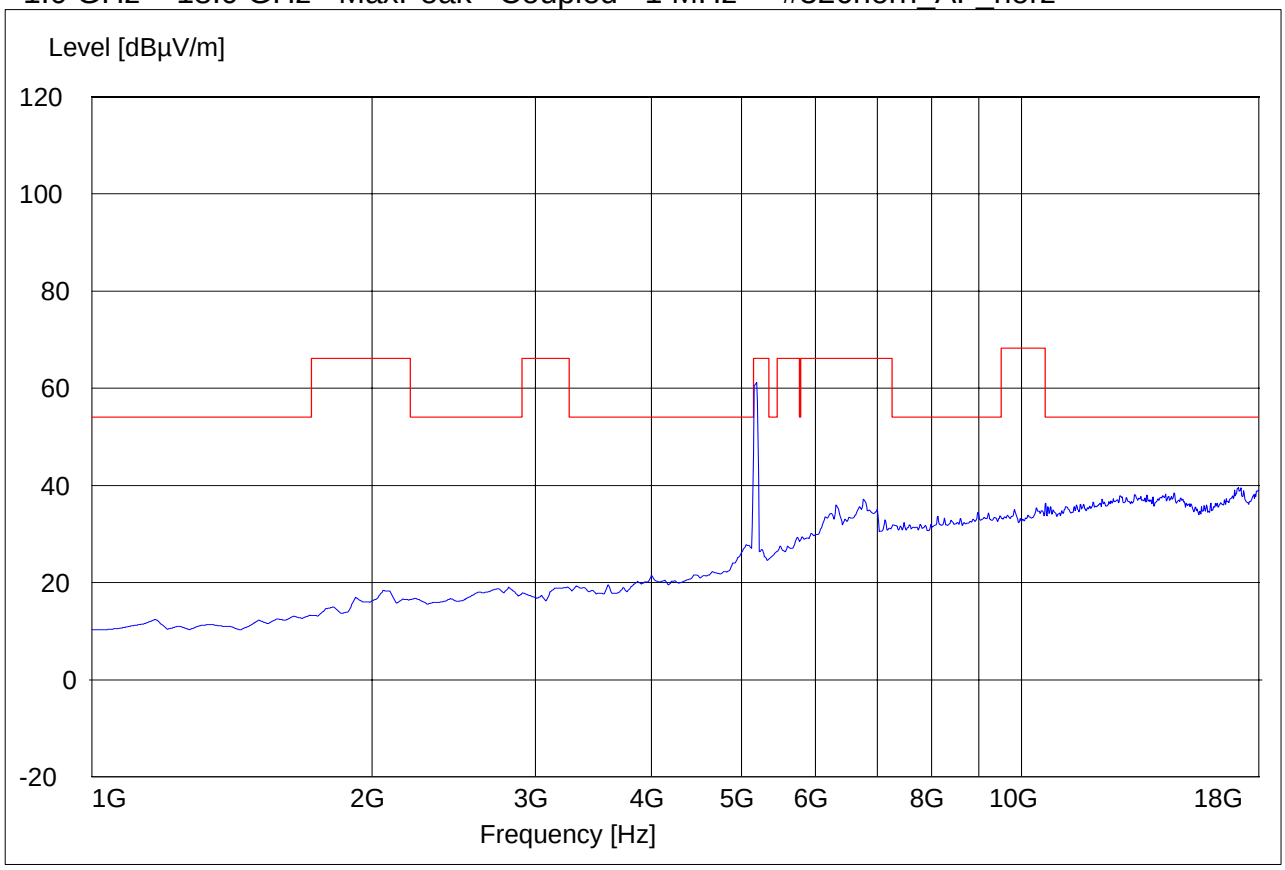
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	3141-#1186_Vert



1-18GHz (5180MHz)
Note: The peaks above the limit line is the carrier freq.
Note: Peak Reading vs. Average limit

SWEEP TABLE: "FCC 15.407 1-18G"

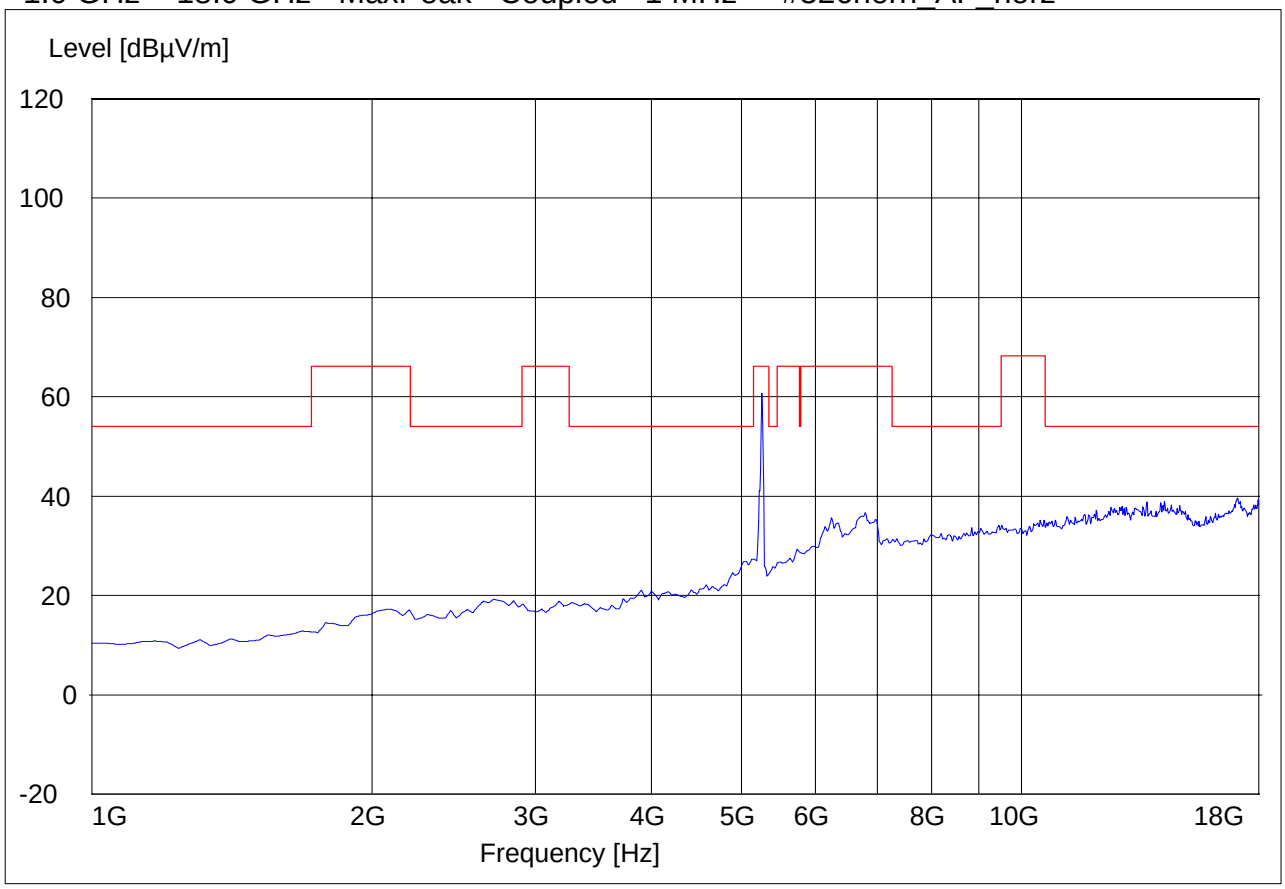
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



1-18GHz (5260MHz)
Note: The peaks above the limit line is the carrier freq.
Note: Peak Reading vs. Average limit

SWEEP TABLE: "FCC 15.407 1-18G"

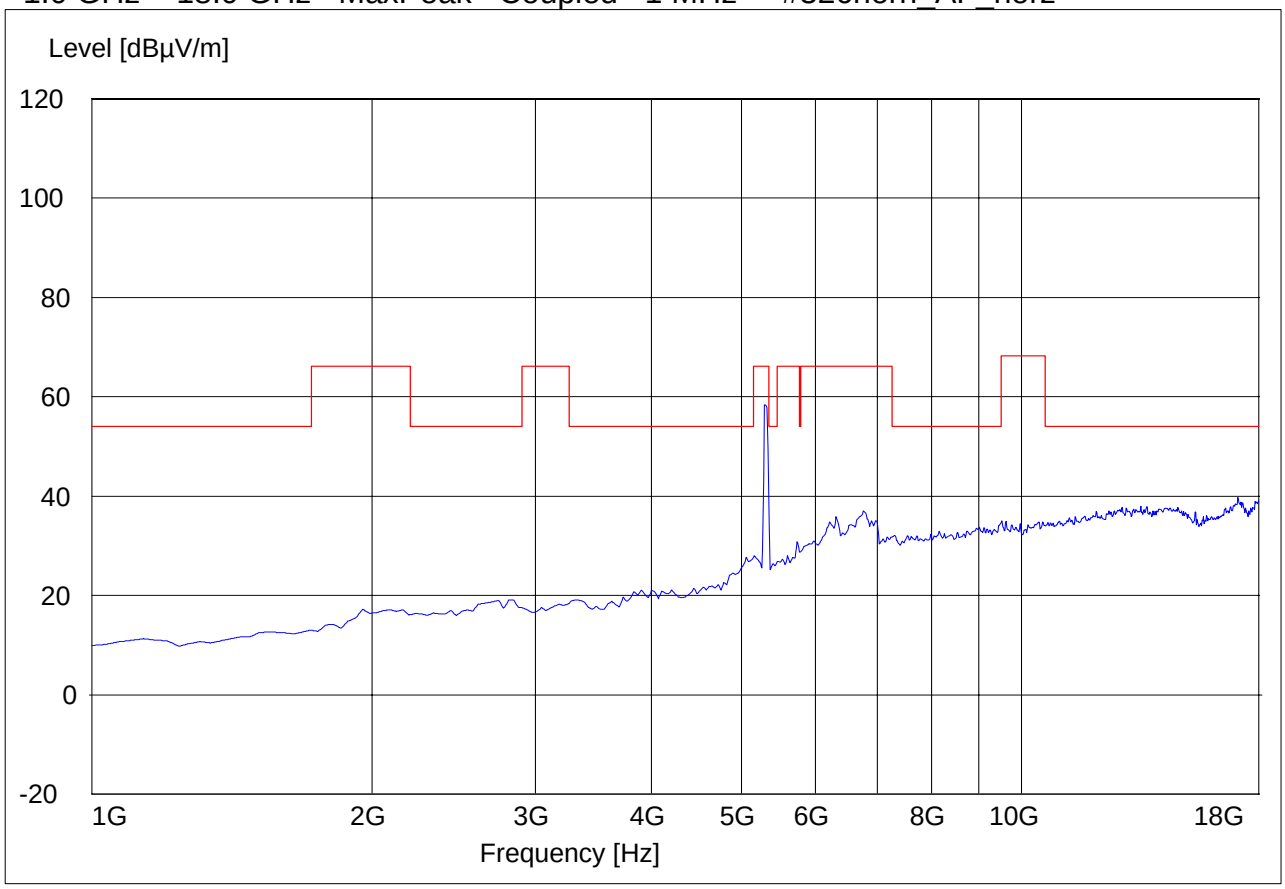
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



1-18GHz (5320MHz)
Note: The peaks above the limit line is the carrier freq.
Note: Peak Reading vs. Average limit

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_horz

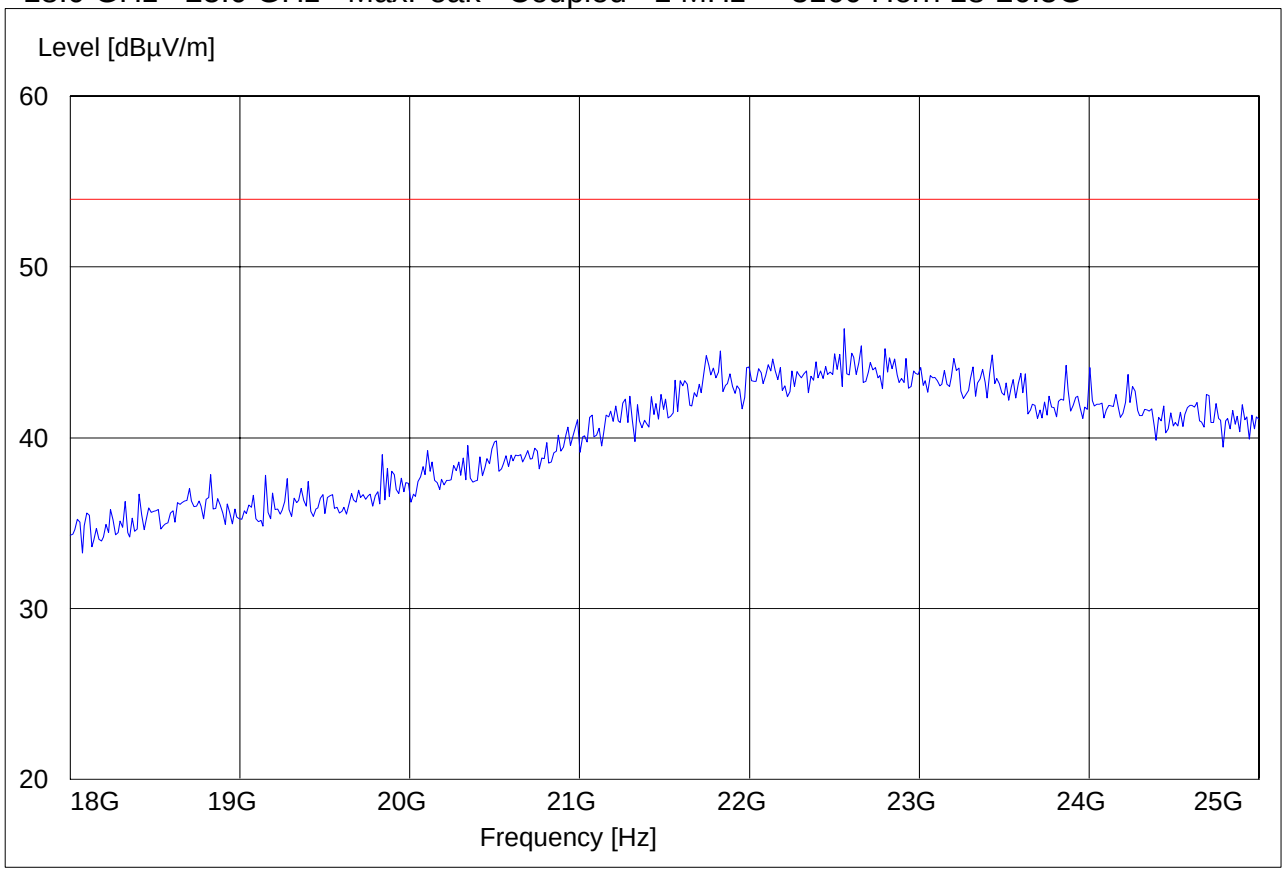


18-26.5GHz (5180MHz)
Note: Peak Reading vs. Average limit ,

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

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

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	25.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

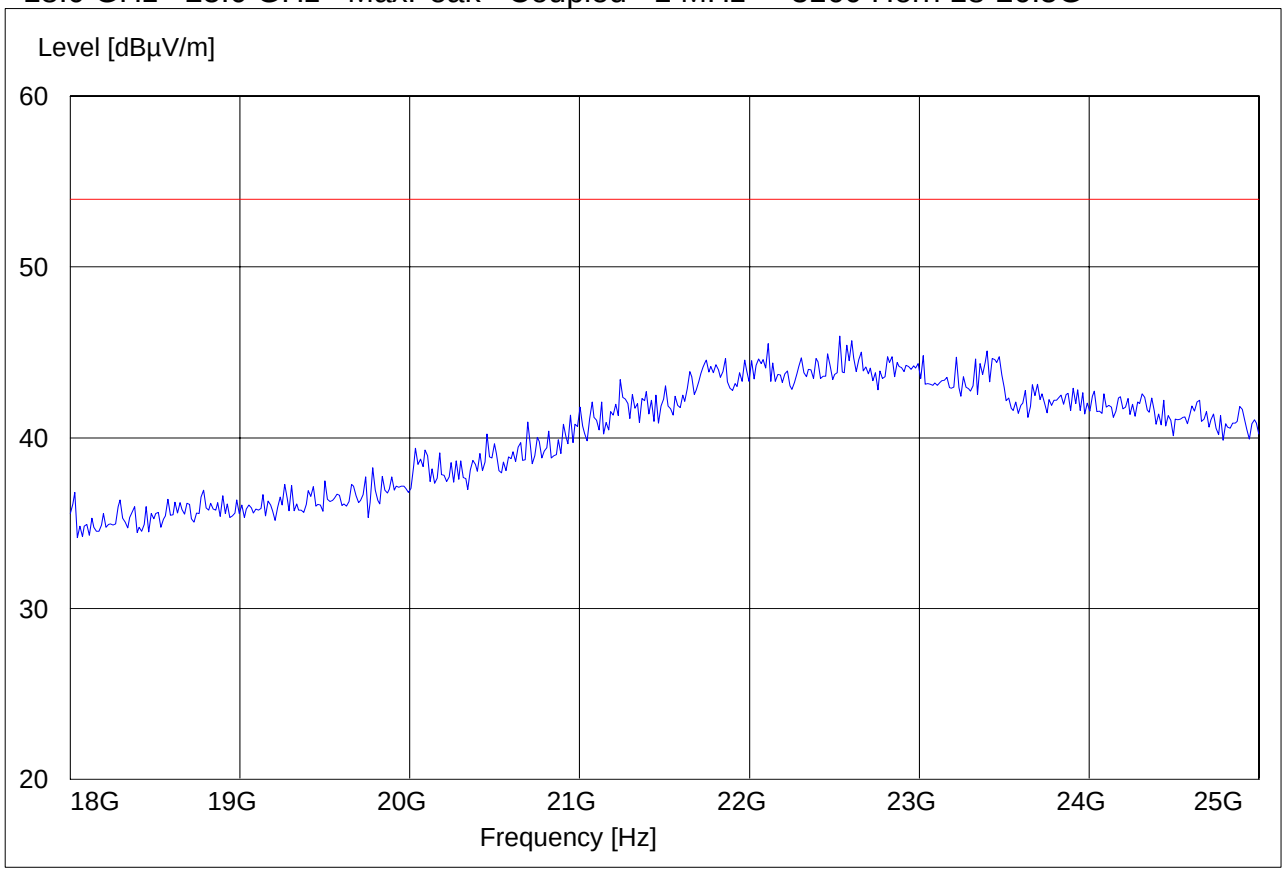


18-26.5GHz (5260MHz)
Note: Peak Reading vs. Average limit ,

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

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

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	25.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

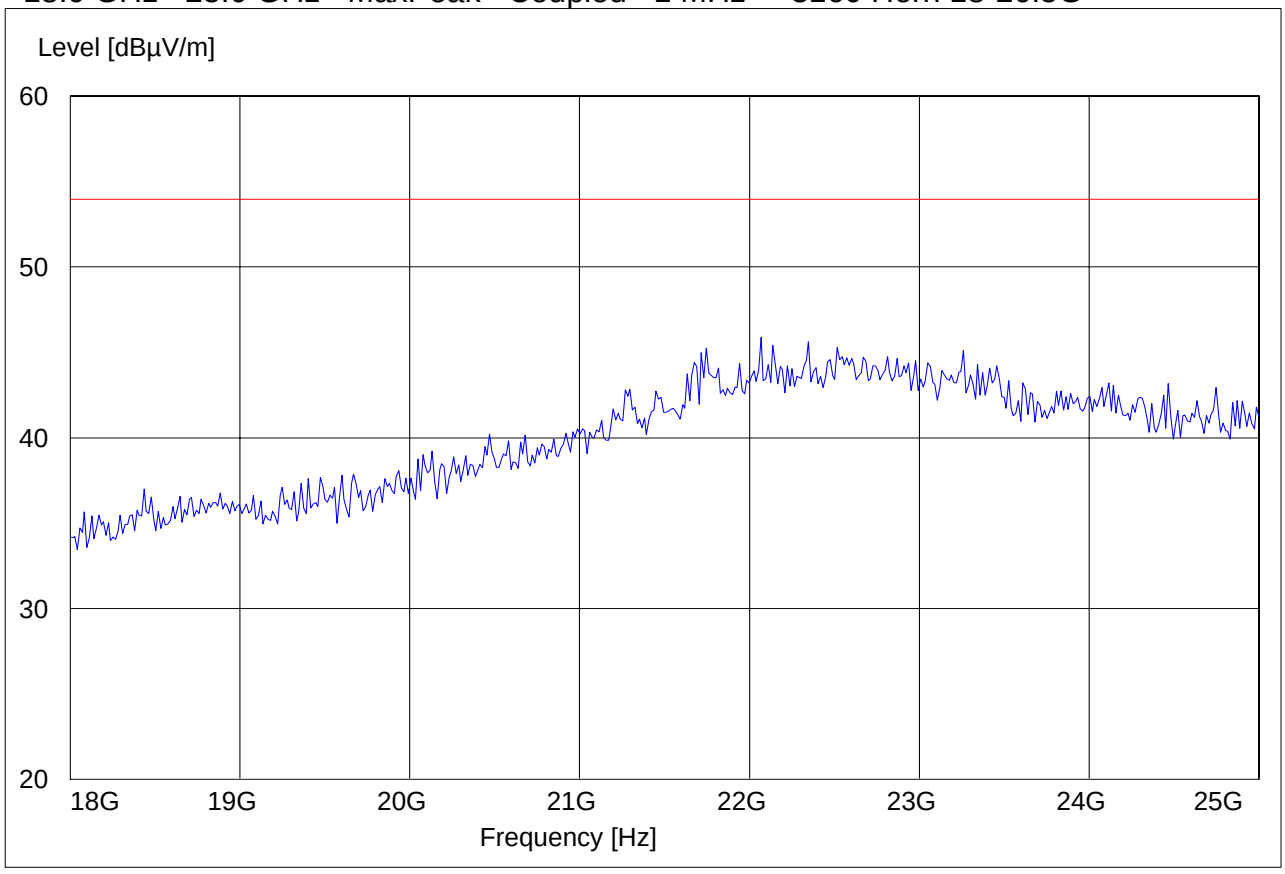


18-26.5GHz (5320MHz)
Note: Peak Reading vs. Average limit ,

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

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

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	25.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

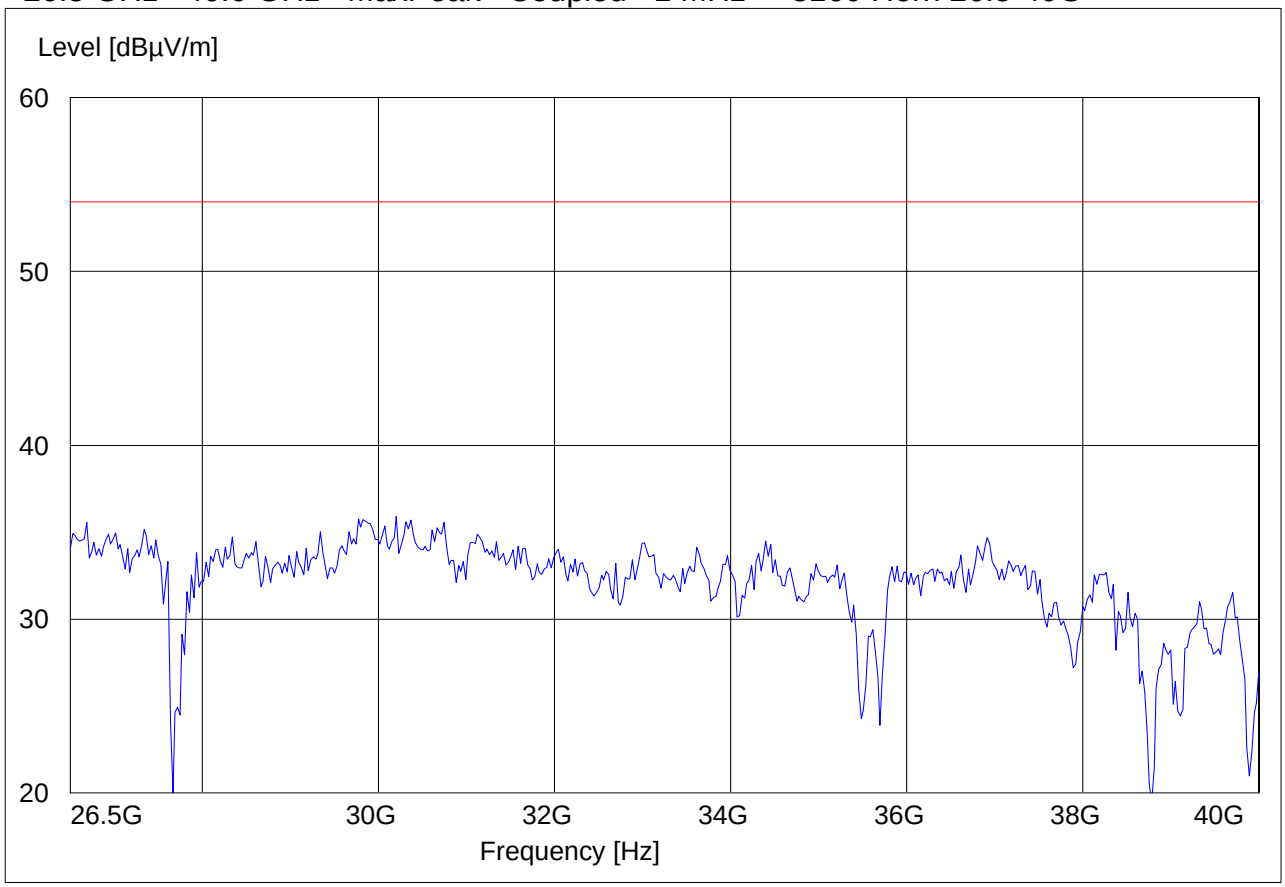


26-40GHz
Note: This plot is valid for low, mid, high channels (worst-case plot)
Note: Peak Reading vs. Average limit ,

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

Short Description: Bluetooth 18 - 26 GHz

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



5.4 RECEIVER SPURIOUS RADIATION § 15.209/RSS210

5.4.1 LIMITS

Frequency (MHz)	Field strength (µV/m)	Measurement distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
above 960	500	3

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.

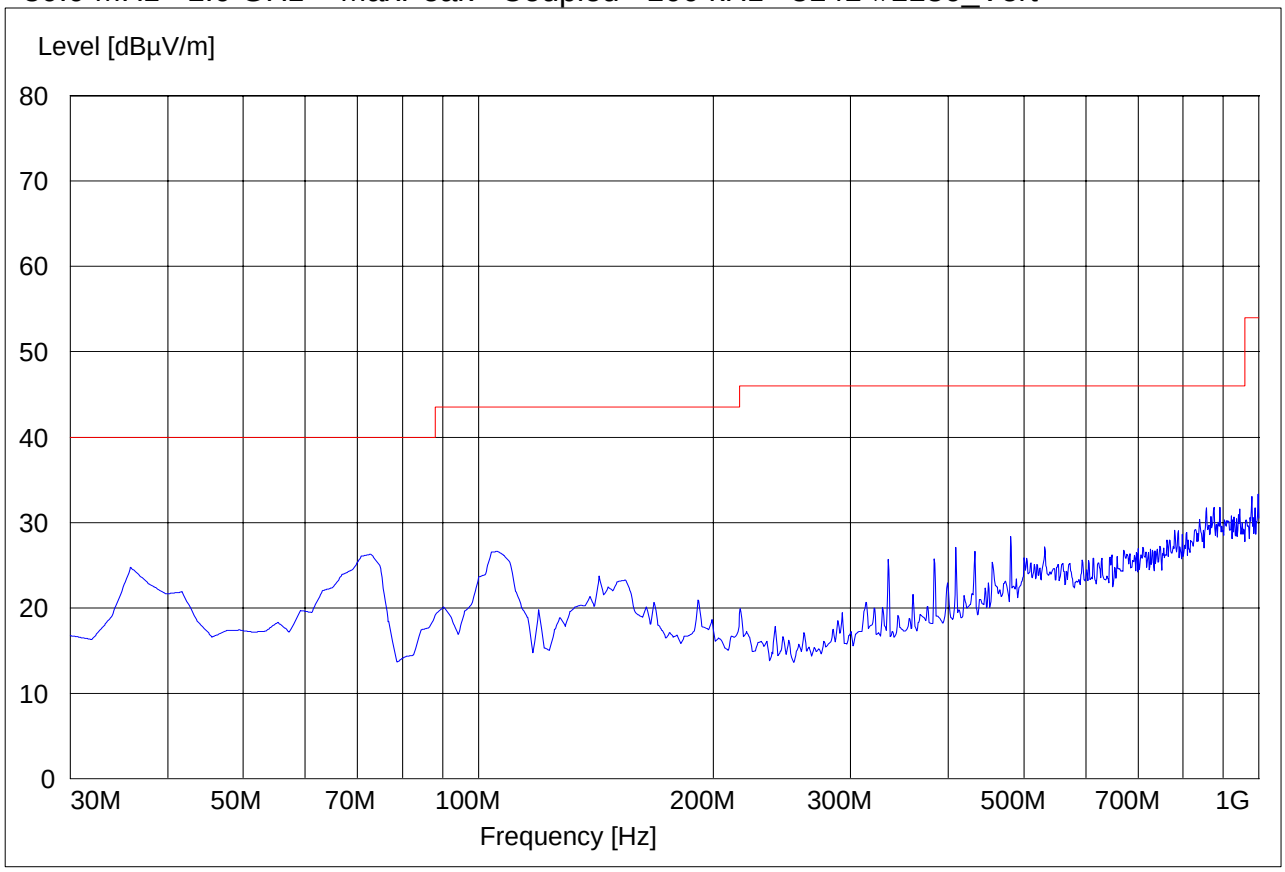
2. All measurements are done in peak mode using an average limit , unless specified with the plots.

5.4.2 RESULTS
30MHz – 1GHz
Antenna: vertical

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: RX
Antenna: V
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "CANADA RE_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

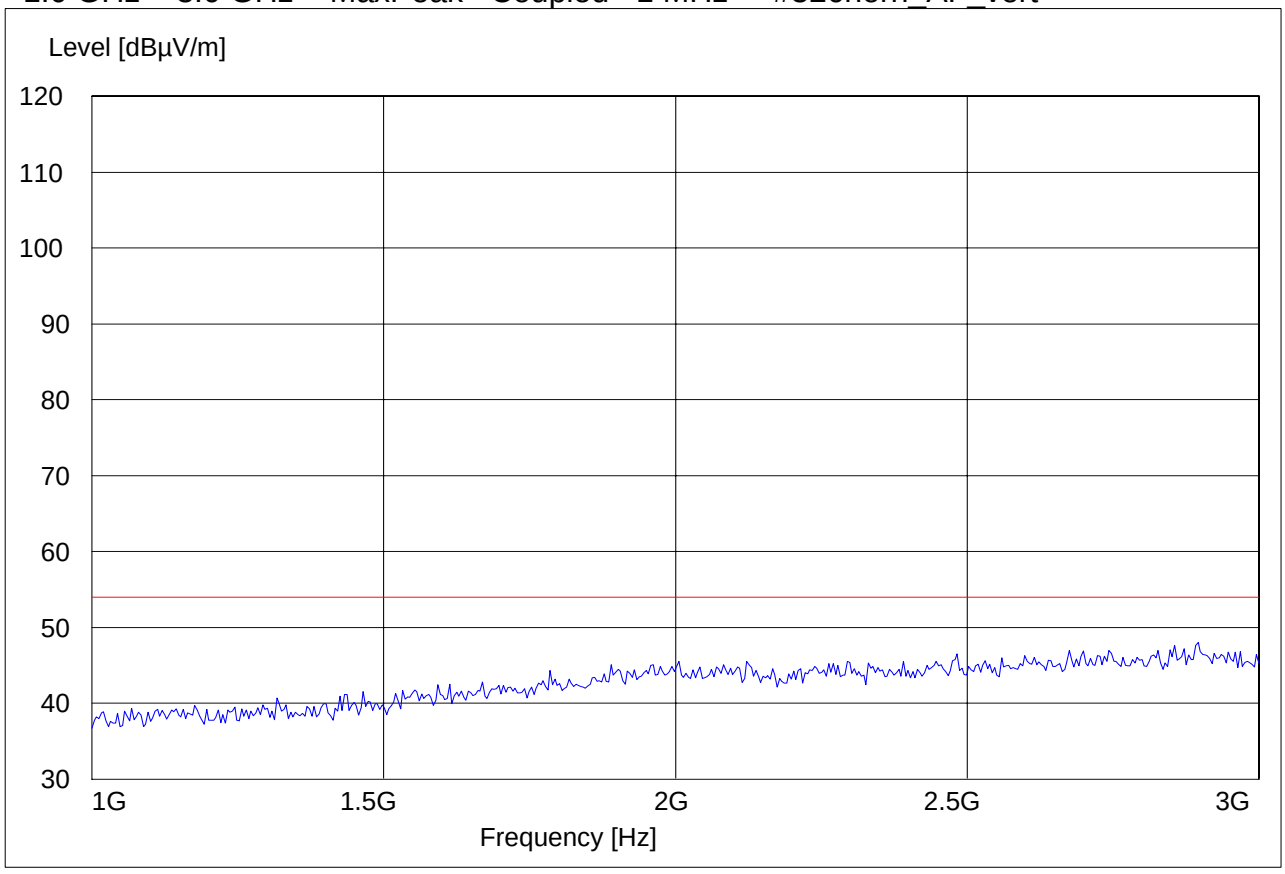


1-3GHz
Note: Peak Reading vs. Average limit

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: RX
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "CANADA RE_1-3G"

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	3.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_vert

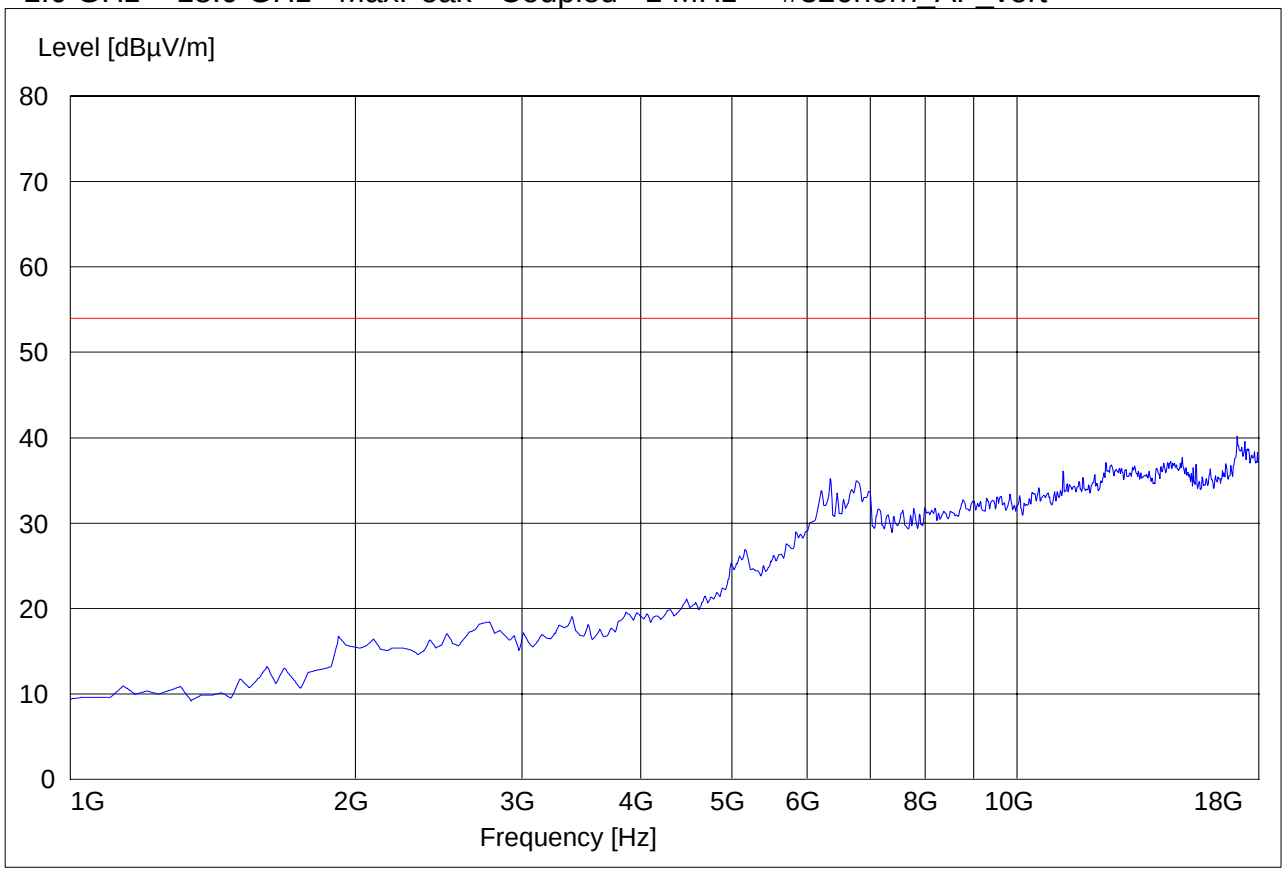


3-18GHz
Note: Peak Reading vs. Average limit

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: RX
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

SWEEP TABLE: "CANADA RE_3-18G"

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

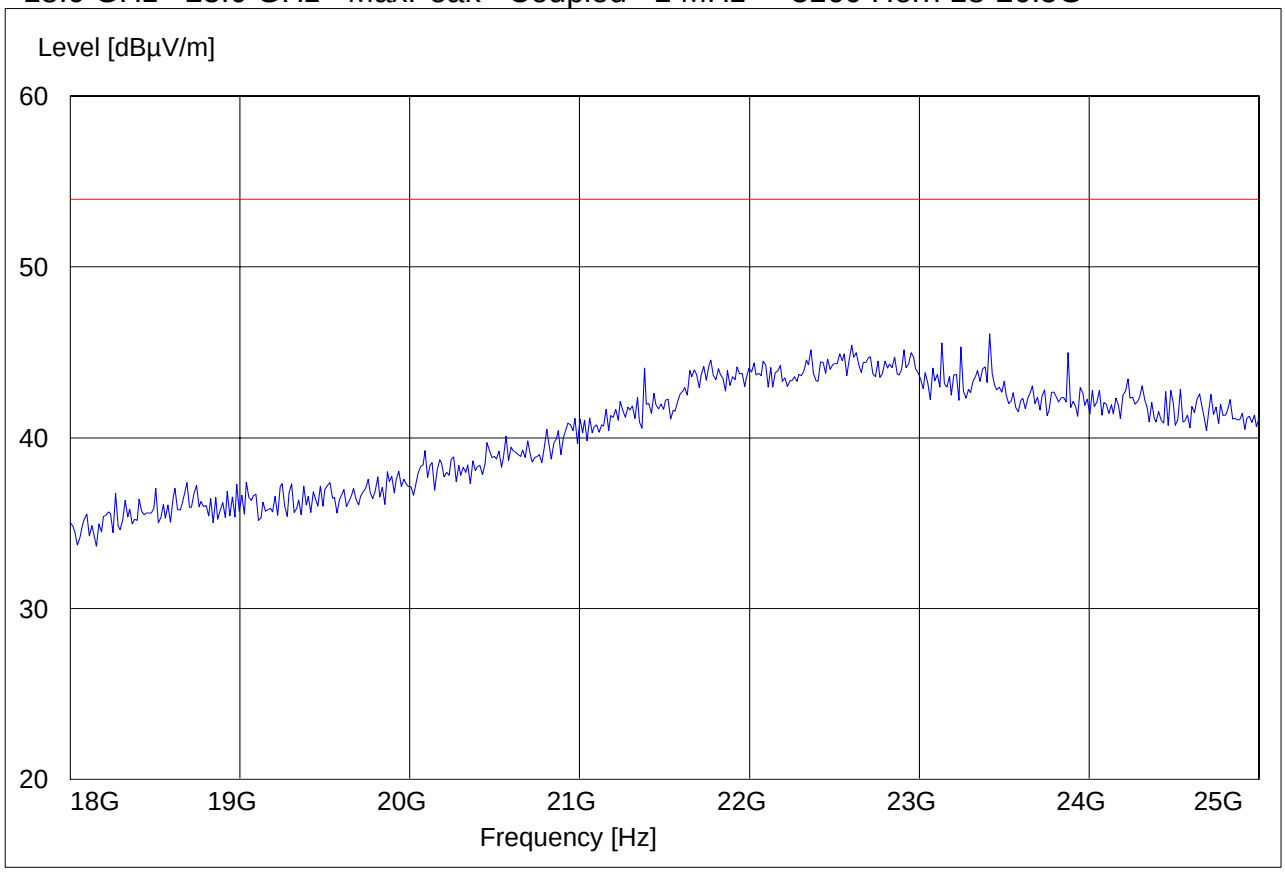


18-26.5GHz
Note: Peak Reading vs. Average limit

CETECOM Inc.
411 Dixon Landing Road, Milpitas CA 95035, USA
EUT / Description: Handheld E
Customer: Sony Electronics
Operating Mode: TX5180 MHz
Antenna: H
EUT: V
Test operator: Pete
Voltage: AC/DC
Sweep: closed

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

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	25.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G

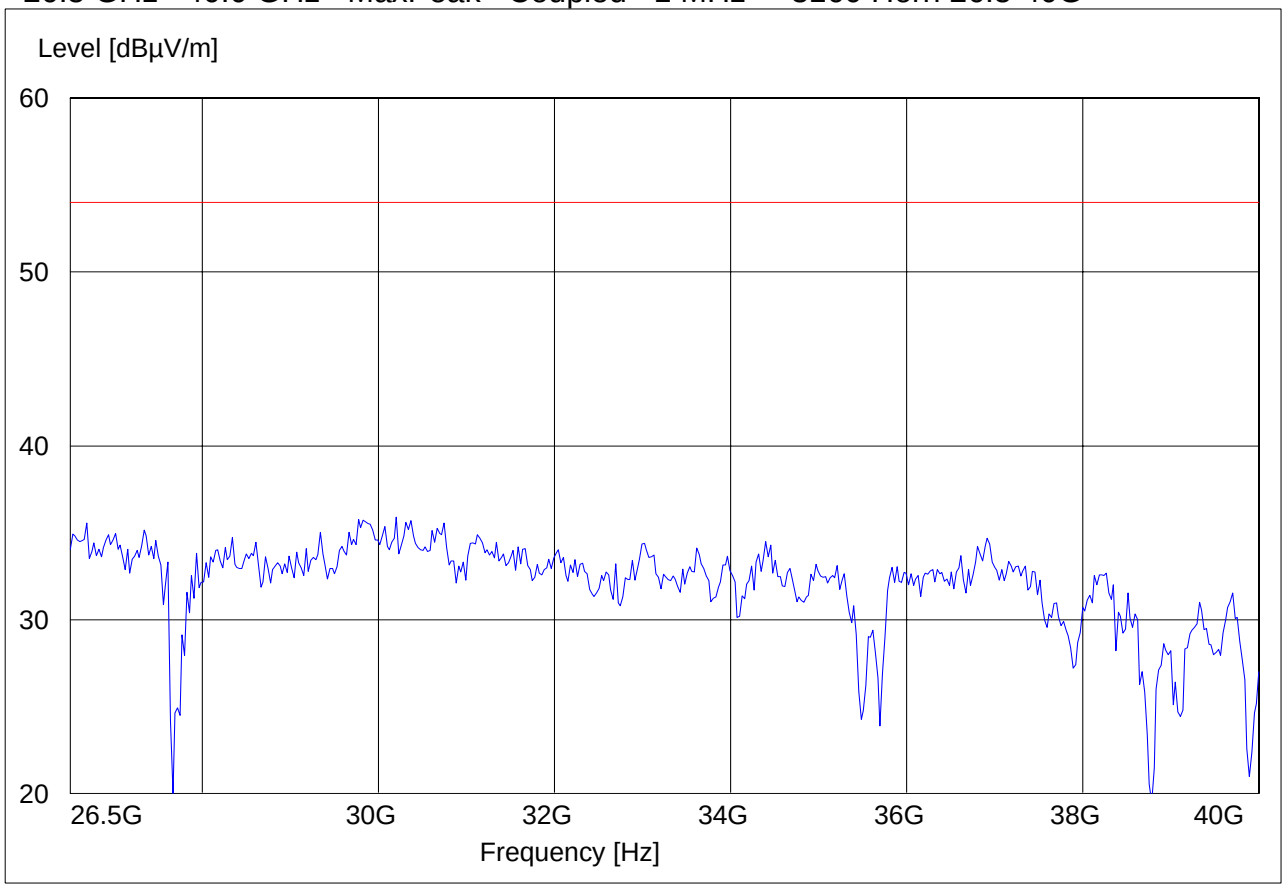


26.5-40GHz
Note: Peak Reading vs. Average limit

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

Short Description: Bluetooth 18 - 26 GHz

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



5.5 AC POWER LINE CONDUCTED EMISSIONS § 15.107/207

5.5.1 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		

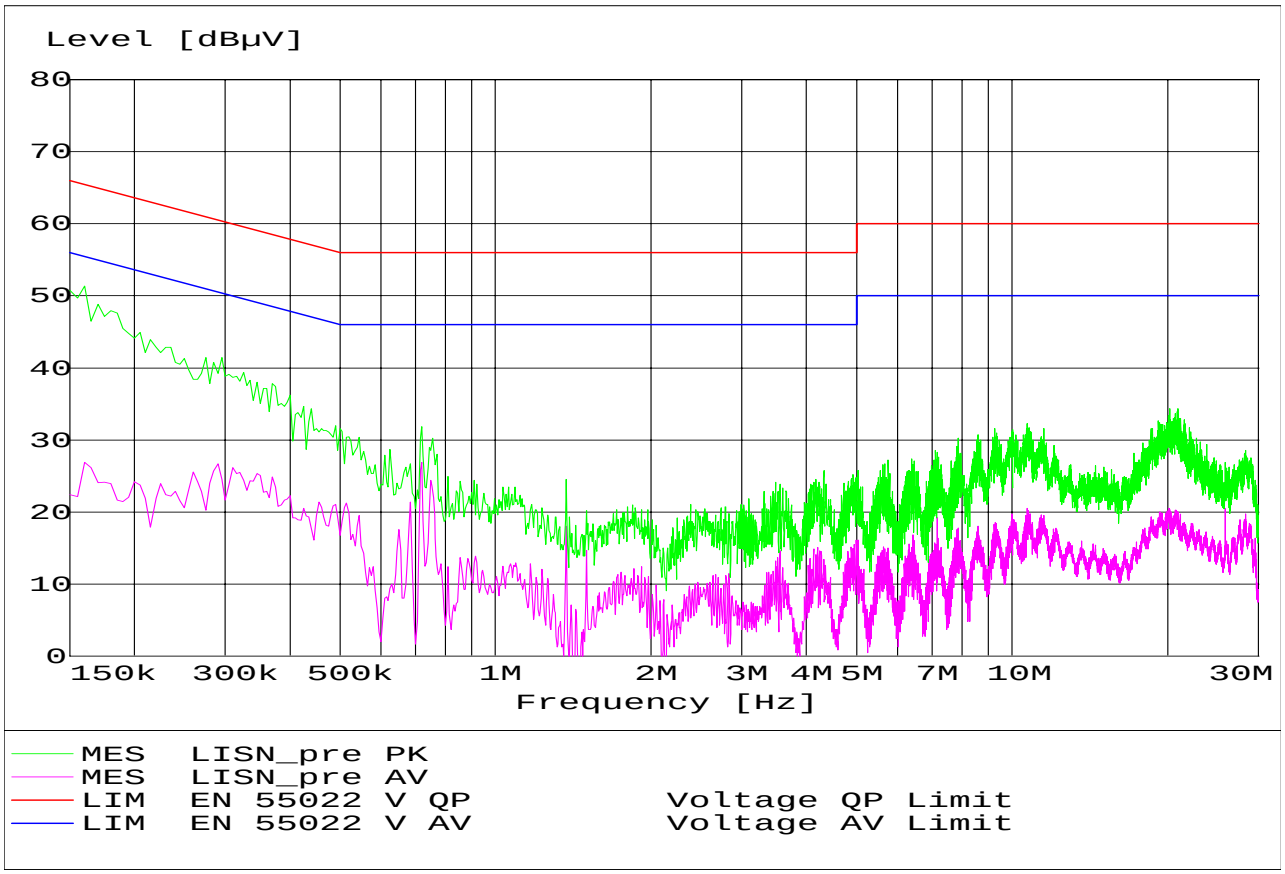
ANALYZER SETTINGS: RBW = 10KHz VBW = 10KHz

5.5.2 RESULTS

LISN
411 Dixon Landing Road, CA 95035
EUT / Description: Handheld E
Manufacturer: Sony Electronics
Test Engineer: Mike
Phase: Mike
Comment: EN55022
AC/DC adapter
Start of Test: 4/5/2006 / 1:43:51PM

SWEEP TABLE: "EN 55022 Voltage"

Short Description:		EN 55022 Voltage			
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	MaxPeak Average	Coupled	9 kHz	None



5.6 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 2006	1 year
02	Spectrum Analyzer	FSEM 30	Rohde & Schwarz	100017	August 2006	1 year
03	Signal Generator	SMY02	Rohde & Schwarz	836878/011	May 2006	1 year
04	Power-Meter	NRVD	Rohde & Schwarz	0857.8008.02	May 2006	1 year
05	Biconilog Antenna	3141	EMCO	0005-1186	June 2006	1 year
06	Horn Antenna (1-18GHz)	SAS-200/571	AH Systems	325	June 2006	1 year
07	Horn Antenna (18-26.5GHz)	3160-09	EMCO	1240	June 2006	1 year
08	Power Splitter	11667B	Hewlett Packard	645348	n/a	n/a
09	Climatic Chamber	VT4004	Voltsch	G1115	May 2006	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 2006	1 year
13	Power Sensor	URV5-Z2	Rohde & Schwarz	DE30807	May 2006	1 year
14	Digital Radio Comm. Tester	CMD-55	Rohde & Schwarz	847958/008	May 2006	1 year
15	Universal Radio Comm. Tester	CMU 200	Rohde & Schwarz	832221/06	May 2006	1 year
16	Horn Antenna (26.5-40GHz)	3160-10	EMCO	1156	June 2006	1 year

5.7 BLOCK DIAGRAMS

Radiated Testing