



TESTING LABORATORY  
CERTIFICATE #4820.01



FCC PART 15B  
ICES-003, Issue 6, January 2016

TEST REPORT

For

**Victor Hasselblad AB**

Utvecklingsgatan 2, P.O. Box 220, Gothenburg, SE-40123, Sweden

**Model: X1D MARK II**  
**FCC ID: 2AEFA-X1D1907**

<b>Report Type:</b> Original Report	<b>Product Type:</b> X1D MARK II
<b>Report Number:</b>	RDG180909002-00C
<b>Report Date:</b>	2019-04-03
<b>Reviewed By:</b>	Jerry Zhang EMC Manager <i>Jerry Zhang</i>
<b>Test Laboratory:</b>	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 <a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a>

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## TABLE OF CONTENTS

<b>General Information .....</b>	<b>3</b>
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) .....	3
OBJECTIVE .....	3
RELATED SUBMITTAL(S)/GRANT(S) .....	3
TEST METHODOLOGY .....	3
MEASUREMENT UNCERTAINTY .....	4
TEST FACILITY .....	4
<b>System Test Configuration .....</b>	<b>5</b>
DESCRIPTION OF TEST CONFIGURATION .....	5
EQUIPMENT MODIFICATIONS .....	5
EUT EXERCISE SOFTWARE .....	5
LOCAL SUPPORT EQUIPMENT LIST AND DETAILS .....	5
SUPPORT CABLE LIST AND DETAILS .....	5
BLOCK DIAGRAM OF TEST SETUP .....	6
TEST EQUIPMENT LIST .....	7
ENVIRONMENTAL CONDITIONS .....	7
<b>Summary of Test Results .....</b>	<b>8</b>
<b>Conducted emissions .....</b>	<b>9</b>
EUT SETUP .....	9
EMI TEST RECEIVER SETUP .....	9
TEST PROCEDURE .....	9
CORRECTED AMPLITUDE & MARGIN CALCULATION .....	10
TEST DATA .....	11
<b>Radiated emissions .....</b>	<b>15</b>
EUT SETUP .....	15
EMI TEST RECEIVER SETUP .....	16
TEST PROCEDURE .....	16
CORRECTED AMPLITUDE & MARGIN CALCULATION .....	16
TEST DATA .....	17

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

<b>EUT Name:</b>		X1D MARK II
<b>EUT Model:</b>		X1D MARK II
<b>FCC ID:</b>		2AEFA-X1D1907
<b>Highest Operation Frequency:</b>		5825 MHz
<b>Rated Input Voltage:</b>		DC7.27V from battery or DC 5 V from adapter
<b>Adapter Information</b>	<b>Model:</b>	QC24-US
	<b>Input:</b>	100-240V~50/60Hz,0.8A
	<b>Output:</b>	3.6~8V;3.0A / 12V;2.0A
<b>External Dimension:</b>		150.4mm(L) x 98.1mm(H) x 71.4 mm(D)
<b>Serial Number:</b>		180909002
<b>EUT Received Date:</b>		2018.09.11

### Objective

This report is prepared on behalf of *Victor Hasselblad AB* in accordance with Part 2, Subpart J, and Part 15-Subparts A and B of the Federal Communications Commission's rules. And ICES-003, Issue 6, January 2016 Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement.

The objective is to determine the compliance of EUT with: FCC Part 15B Class B and ICES-003, Issue 6, January 2016, Class B.

### Related Submittal(s)/Grant(s)

FCC Part 15C DTS and Part 15E NII submissions with FCC ID: 2AEFA-X1D1907

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan).

### Measurement Uncertainty

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB, 200M~1GHz: 5.92 dB, 1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Temperature	±1 °C
Humidity	±5%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

### Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in typical fashion (as normally used by a typical user) as below:

Test mode 1(M1): Charging and Operating

Charging the battery, Recording video and transmitting data to mobile phone

Test mode 2(M2): PC Operating

Downloading the picture from the camera, and PC APP: 'Phocus.exe' operating the EUT

### Equipment Modifications

No modification was made to the EUT.

### EUT Exercise Software

The software 'Winthrax.exe' and 'Phocus.exe' was used during test.

### Local Support Equipment List and Details

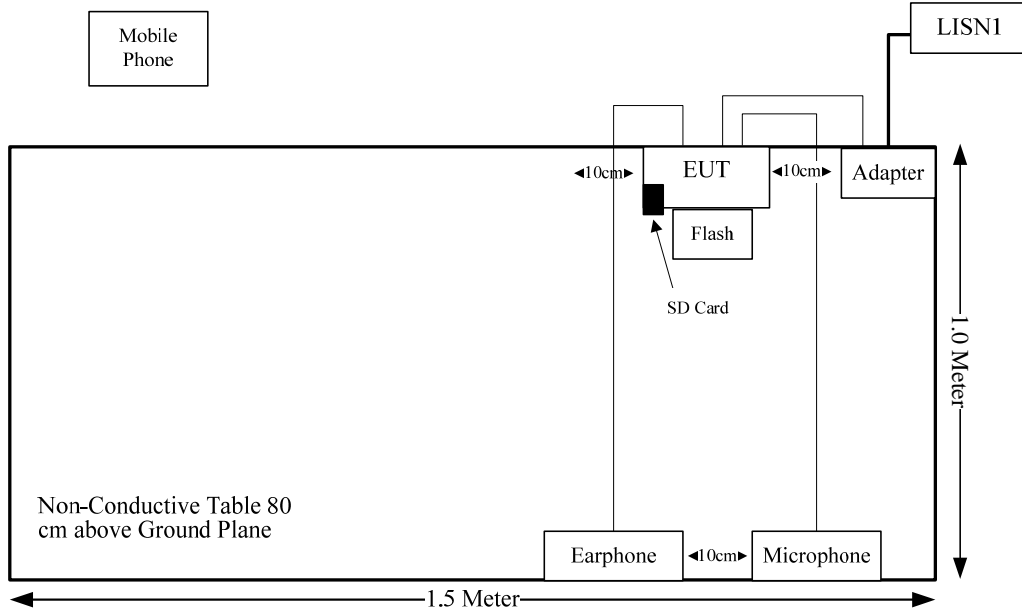
Manufacturer	Description	Model	Serial Number
SanDisk	SD Card	8G	N/A
KEENION	Earphone	KDM-911	6.9518122E12
KEENION	Microphone	KM-206	N/A
Lenovo	Laptop	ThinkPad E450	PF-0MRADG
DELL	Laptop 2	PP11L	QDS-BRCM1017
HP	Printer	C3941A	JPTVOB2337
DELL	Keyboard	L100	CNORH656658907BL05DC
SAST	Modem	AEM-2100	0293
GODOX	Camera Flash	TT585	N/A
APPLE	Mobile Phone	MGAA2CG/A	FK1R96UYG5QT

### Support Cable List and Details

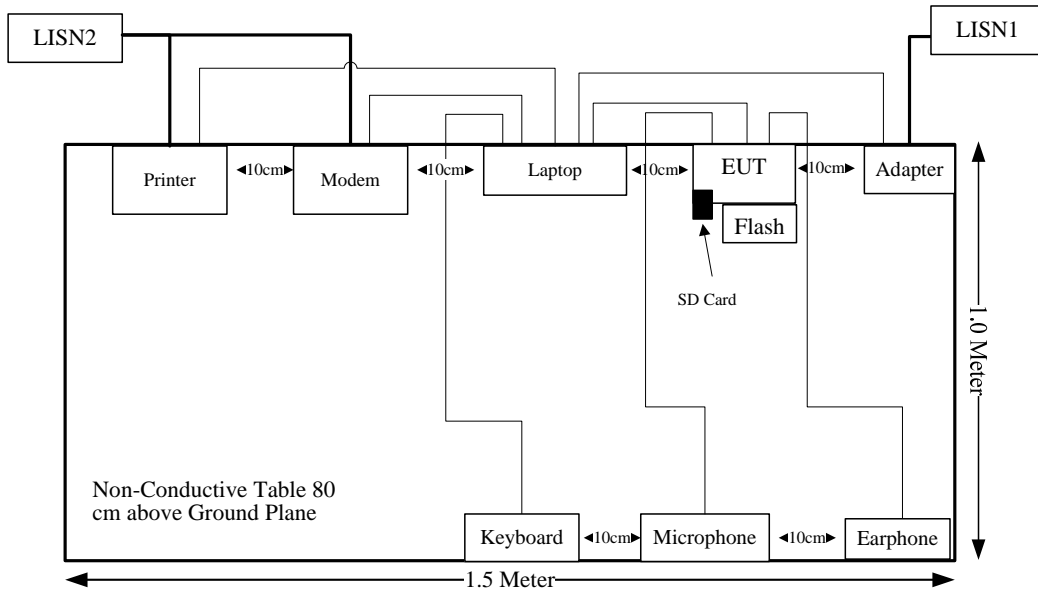
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Type-C Cable	Yes	No	1.0	Type-C Port of EUT	Adapter/Laptop
Earphone Cable	Yes	No	1.5	Audio Out Port of EUT	Earphone
Microphone Cable	Yes	No	2.0	Audio In Port of EUT	Microphone
Serial Cable	Yes	No	1.2	Serial Port of Laptop	Modem
USB Cable	Yes	Yes	1.2	USB Port of Laptop	Keyboard
Parallel Cable	Yes	No	1.2	Parallel Port of Laptop	Printer

### Block Diagram of Test Setup

Test mode: Charging and Operating



Test mode 2: PC Operating



**Test Equipment List**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Conducted emissions</b>					
R&S	EMI Test Receiver	ESCS 30	830245/006	2018-12-10	2019-12-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-01	2018-09-05	2019-09-05
R&S	Two-line V-network	ENV 216	101614	2018-12-10	2019-12-10
R&S	L.I.S.N	ESH2-Z5	892107/021	2018-09-19	2019-09-19
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A
<b>Radiated emissions Below 1GHz</b>					
R&S	EMI Test Receiver	ESCI	100224	2018-12-10	2019-12-10
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2018-05-06	2019-05-06
HP	Amplifier	8447D	2727A05902	2018-09-05	2019-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
<b>Radiated emissions Above 1GHz</b>					
Agilent	Spectrum Analyzer	E4440A	SG43360054	2019-01-04	2020-01-04
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2016-11-18	2019-11-18
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2018-06-27	2019-06-27
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2018-09-05	2019-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2018-06-27	2019-06-27
R&S	Spectrum Analyzer	FSP 38	100478	2018-12-10	2019-12-10
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2016-11-18	2019-11-18

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Environmental Conditions**

Test Item:	Conducted emissions	Radiated emissions Below 1GHz	Radiated emissions Above 1GHz
Test Date:	2019-03-19	2019-03-20	2019-03-22
Tester:	Lily Xie	Neil Liao	Vern Shen
Temperature:	25.1°C	23.3°C	23.6°C
Relative Humidity:	46%	31 %	30%
ATM Pressure:	100.6kPa	100.6kPa	100.5kPa

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## **SUMMARY OF TEST RESULTS**

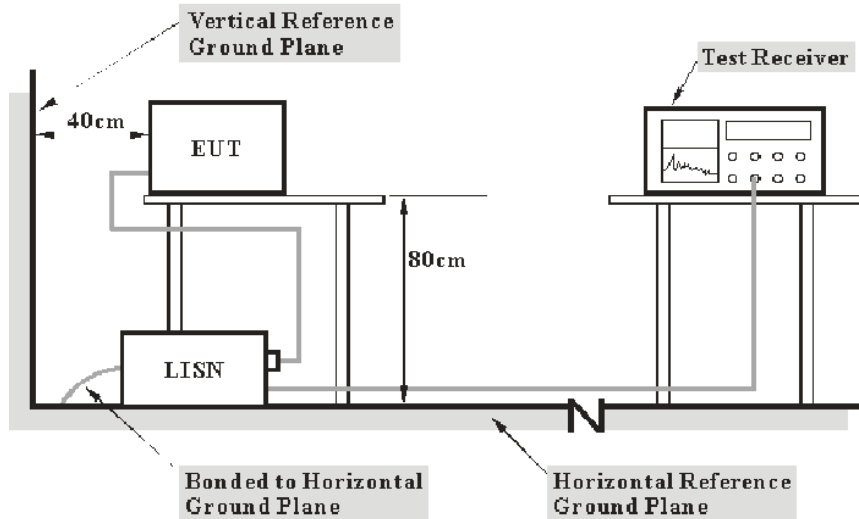
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<b>Rule and Clause</b>	<b>Description of Test</b>	<b>Test Result</b>
FCC §15.107 ICES-003 §6.1	Conducted emissions	Compliance
FCC §15.109 ICES-003 §6.2	Radiated emissions	Compliance



## CONDUCTED EMISSIONS

### EUT Setup



- Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B and ICES-003 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

### Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

### **Corrected Amplitude & Margin Calculation**

The basic equation is as follows:

$$\text{Result (QuasiPeak or Average)} = \text{Meter Reading} + \text{Corr.}$$

Note:

$$\text{Corr.} = \text{Cable loss} + \text{Factor of coupling device}$$

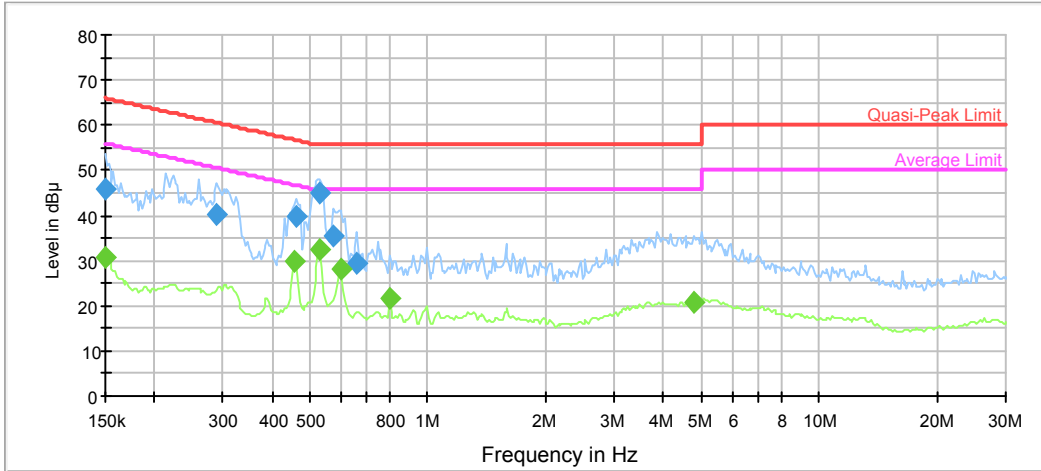
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

**Test Data**

Please refer to following table and plots:

Model Number: X1D MARK II  
 Port: L  
 Test Mode: Charging and Operating  
 Power Source: AC 120V/60Hz  
 Note:



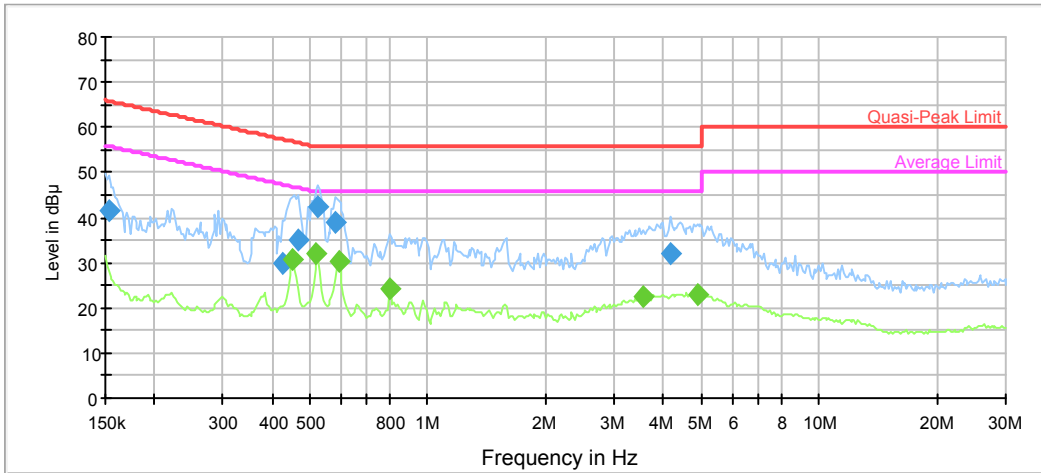
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.9	9.000	L1	11.2	20.1	66.0
0.289269	40.3	9.000	L1	10.2	20.2	60.5
0.461750	39.9	9.000	L1	9.9	16.8	56.7
0.530770	44.8	9.000	L1	9.9	11.2	56.0
0.574747	35.3	9.000	L1	9.8	20.7	56.0
0.660657	29.5	9.000	L1	9.8	26.5	56.0

**Final Result 2**

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	30.7	9.000	L1	11.2	25.3	56.0
0.457178	29.7	9.000	L1	9.9	17.0	46.7
0.530770	32.3	9.000	L1	9.9	13.7	46.0
0.598084	28.0	9.000	L1	9.8	18.0	46.0
0.798146	21.5	9.000	L1	9.8	24.5	46.0
4.785525	20.9	9.000	L1	9.8	25.1	46.0

Model Number: X1D MARK II  
 Port: N  
 Test Mode: Charging and Operating  
 Power Source: AC 120V/60Hz  
 Note:



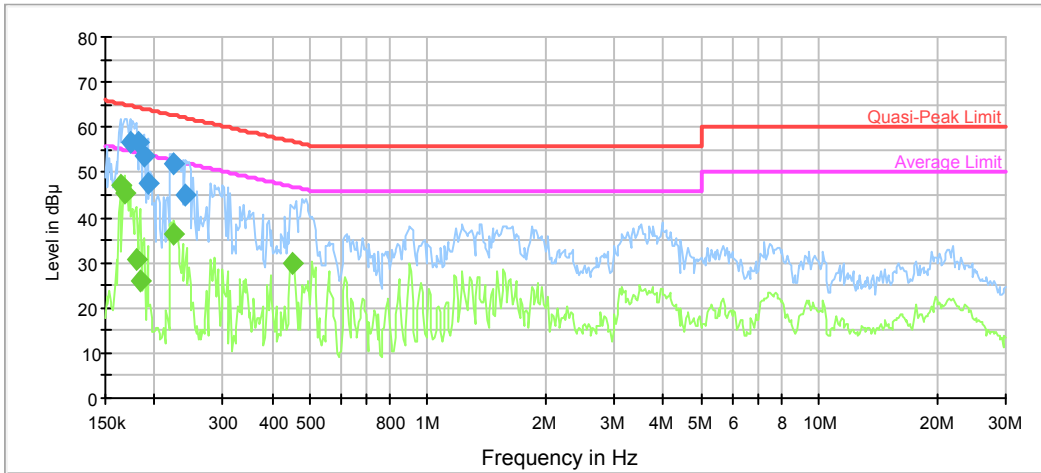
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.153015	41.5	9.000	N	11.1	24.3	65.8
0.426418	30.0	9.000	N	9.9	27.3	57.3
0.466367	34.8	9.000	N	9.9	21.8	56.6
0.525514	42.4	9.000	N	9.9	13.6	56.0
0.580495	38.8	9.000	N	9.8	17.2	56.0
4.163230	32.0	9.000	N	9.8	24.0	56.0

**Final Result 2**

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.452652	30.9	9.000	N	9.9	16.0	46.9
0.520311	31.9	9.000	N	9.9	14.1	46.0
0.592163	30.4	9.000	N	9.8	15.6	46.0
0.798146	24.3	9.000	N	9.8	21.7	46.0
3.550491	22.4	9.000	N	9.8	23.6	46.0
4.881714	23.1	9.000	N	9.8	22.9	46.0

Model Number: X1D MARK II  
 Port: L  
 Test Mode: PC Operating  
 Power Source: AC 120V/60Hz  
 Note:



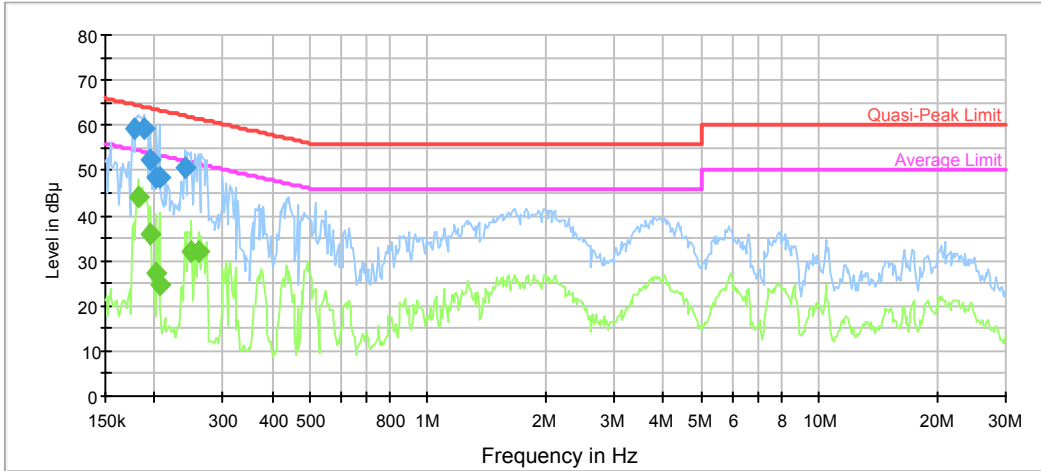
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.173134	56.8	9.000	L1	10.9	8.0	64.8
0.183065	56.6	9.000	L1	10.8	7.7	64.3
0.188994	53.8	9.000	L1	10.7	10.3	64.1
0.192030	47.6	9.000	L1	10.7	16.3	63.9
0.223418	52.0	9.000	L1	10.5	10.7	62.7
0.240029	44.9	9.000	L1	10.4	17.2	62.1

**Final Result 2**

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.163741	47.3	9.000	L1	11.0	8.0	55.3
0.167702	45.4	9.000	L1	10.9	9.7	55.1
0.180171	30.5	9.000	L1	10.8	23.9	54.4
0.184529	25.8	9.000	L1	10.8	28.5	54.3
0.225205	36.5	9.000	L1	10.5	16.1	52.6
0.450448	30.0	9.000	L1	9.9	16.9	46.9

Model Number: X1D MARK II  
 Port: N  
 Test Mode: PC Operating  
 Power Source: AC 120V/60Hz  
 Note:



**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.177322	59.4	9.000	N	10.8	5.2	64.6
0.188994	59.1	9.000	N	10.7	5.0	64.1
0.195114	52.4	9.000	N	10.6	11.4	63.8
0.203045	48.5	9.000	N	10.6	15.0	63.5
0.206306	48.3	9.000	N	10.6	16.1	63.4
0.240029	50.6	9.000	N	10.4	11.5	62.1

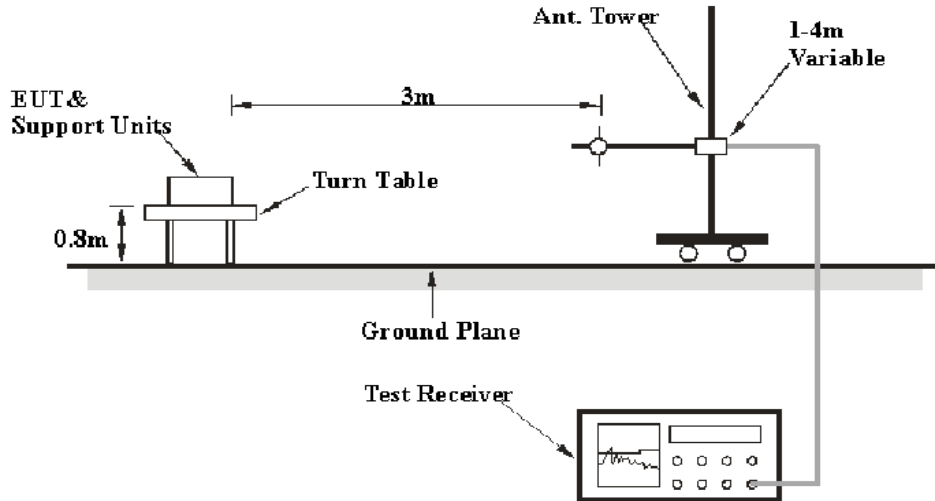
**Final Result 2**

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.181612	44.2	9.000	N	10.8	10.2	54.4
0.195114	35.7	9.000	N	10.6	18.1	53.8
0.203045	27.4	9.000	N	10.6	26.1	53.5
0.206306	24.8	9.000	N	10.6	28.6	53.4
0.249785	32.2	9.000	N	10.3	19.6	51.8
0.259937	32.0	9.000	N	10.3	19.4	51.4

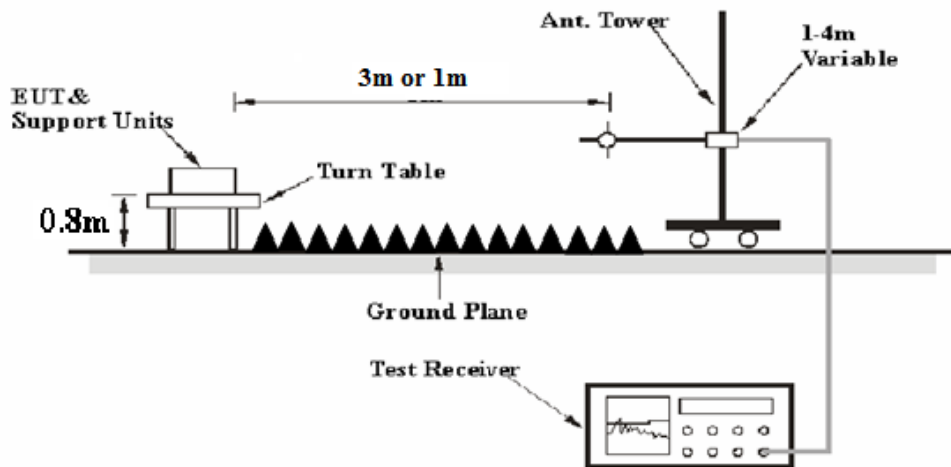
## RADIATED EMISSIONS

### EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission below 1GHz tests were performed in the 3 meters chamber test site A, above 1GHz tests were performed in the 3 meters chamber test site B, 1GHz-26.5GHz were performed at the 3 m distance and 26.5-40GHz was performed at 1 m distance, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109, ICES-003 Class B limits.

## EMI Test Receiver Setup

The system was investigated from 30 MHz to 30 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10Hz	/	AVG

## Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

According to C63.4, the above 1G test result shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1 m

Distance extrapolation factor =  $20 \log(\text{specific distance [3m]}/\text{test distance [1m]})$  dB = 9.54 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

## Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading + Corrected

Note:

Corrected = Antenna Factor + Cable Loss - Amplifier Gain

or

Corrected = Antenna Factor + Cable Loss + Distance extrapolation factor - Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation

is as follows:

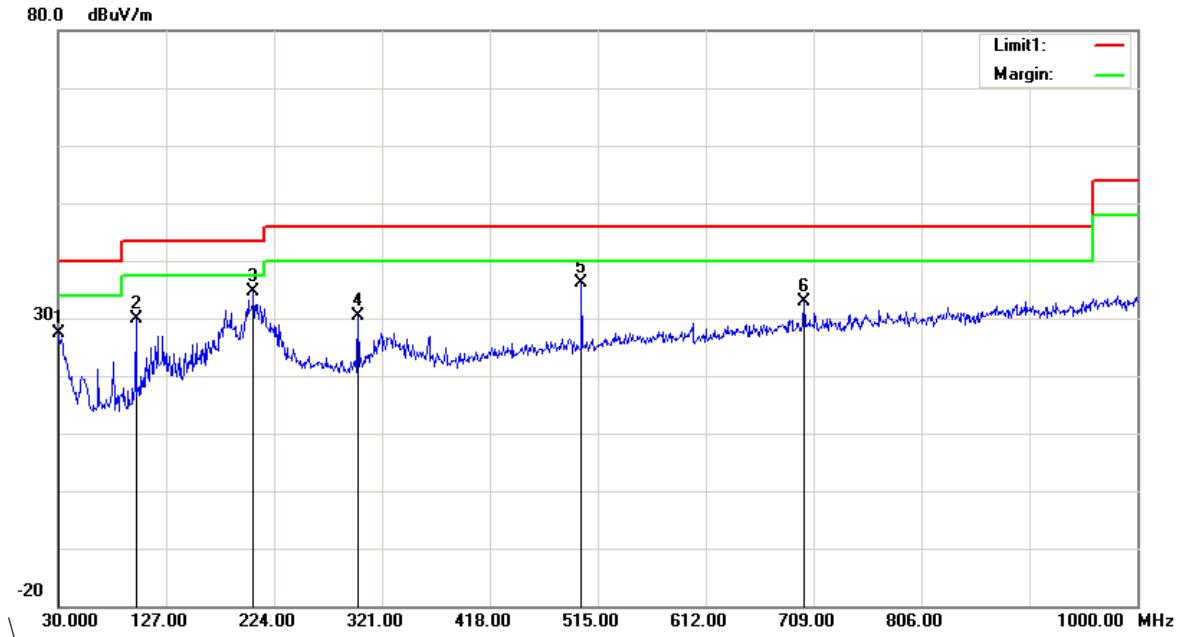
$$\text{Margin} = \text{Limit} - \text{Result}$$



**Test Data**

Please refer to following table and plots:

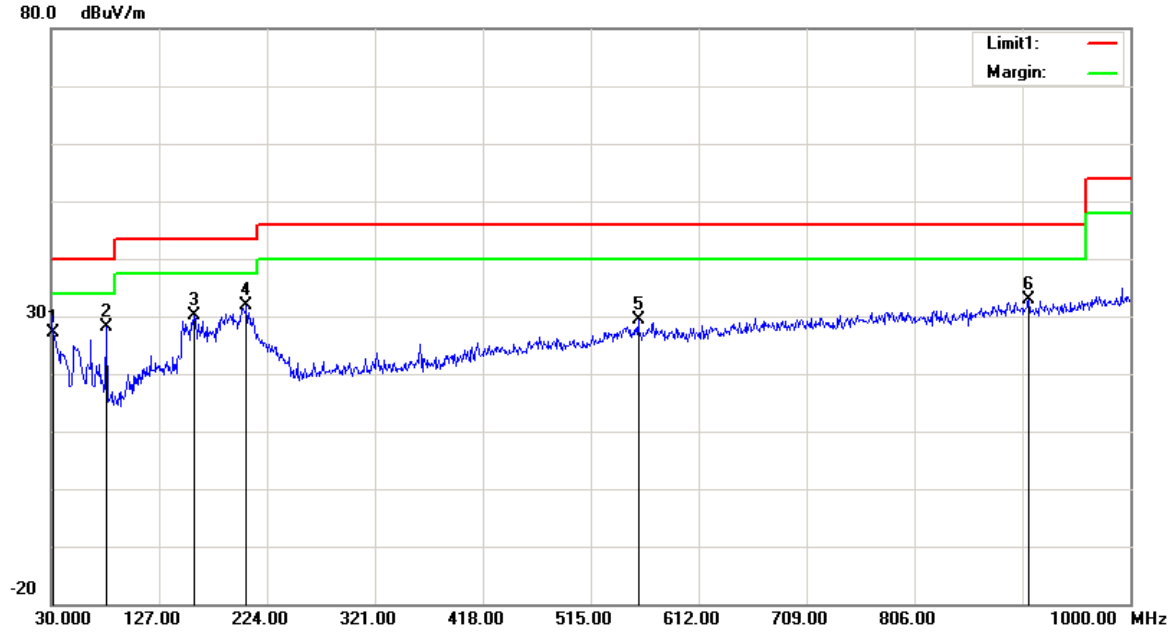
<b>Condition:</b>	<b>FCC Class B 3M Radiation</b>	<b>Polarization:</b>	<b>Horizontal</b>
<b>EUT:</b>	<b>X1D MARK II</b>	<b>Power:</b>	<b>AC 120V/60Hz</b>
<b>Model:</b>	<b>X1D MARK II</b>	<b>Distance:</b>	<b>3m</b>
<b>Test Mode:</b>	<b>Charging and Operating</b>		
<b>Note:</b>			



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
30.0000	25.73	peak	1.72	27.45	40.00	12.55
99.8400	38.64	peak	-8.87	29.77	43.50	13.73
205.5700	41.43	peak	-6.88	34.55	43.50	8.95
299.6600	34.24	peak	-3.83	30.41	46.00	15.59
500.4500	36.54	peak	-0.32	36.22	46.00	9.78
700.2700	29.83	peak	2.96	32.79	46.00	13.21

**Condition:** FCC Class B 3M Radiation  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

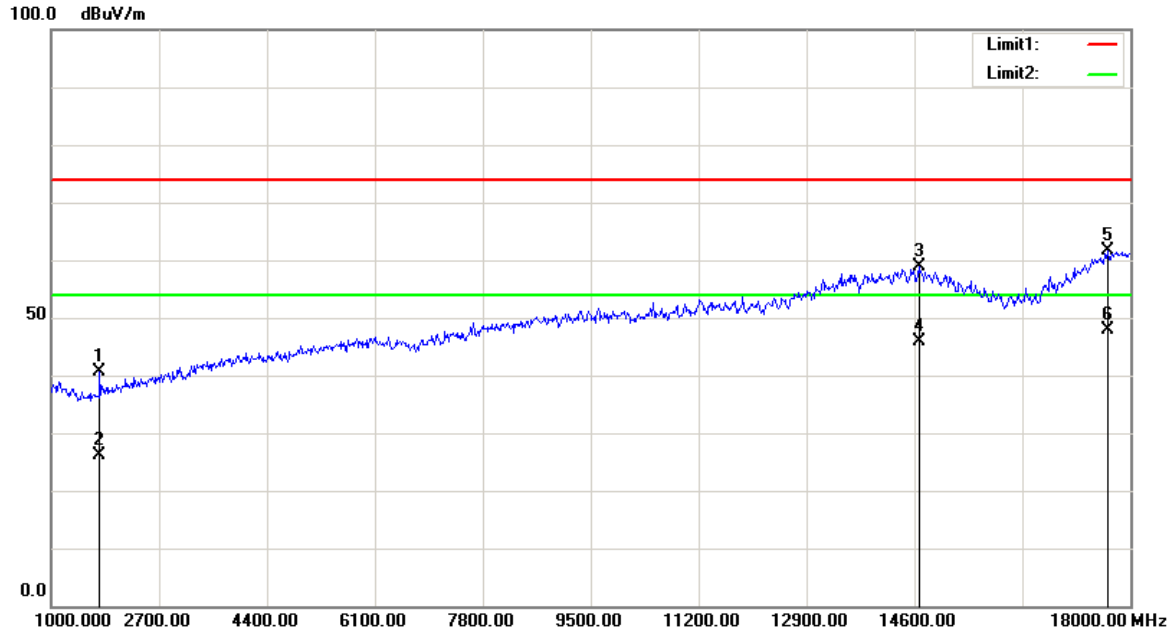
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
31.9400	27.02	peak	0.19	27.21	40.00	12.79
79.4700	39.28	peak	-11.20	28.08	40.00	11.92
158.0400	35.94	peak	-5.78	30.16	43.50	13.34
205.5700	38.86	peak	-6.88	31.98	43.50	11.52
557.6800	28.78	peak	0.48	29.26	46.00	16.74
908.8200	36.61	peak	-3.75	32.86	46.00	13.14

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

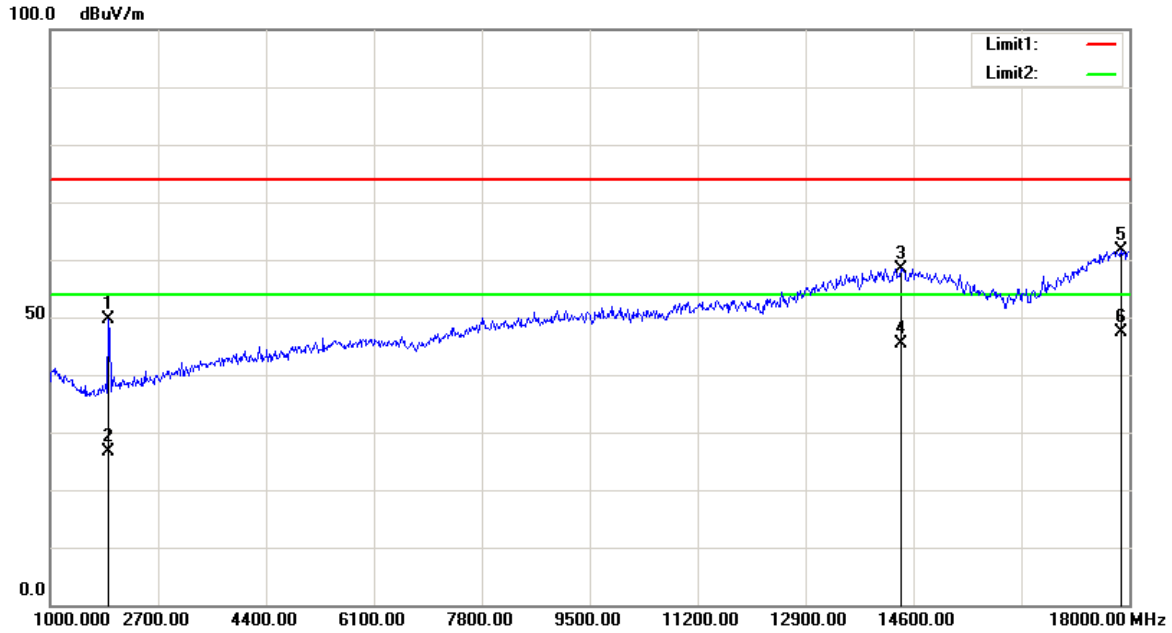
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1765.000	48.75	peak	-8.02	40.73	74.00	33.27
1765.000	34.21	AVG	-8.02	26.19	54.00	27.81
14676.500	48.60	peak	10.17	58.77	74.00	15.23
14676.500	35.74	AVG	10.17	45.91	54.00	8.09
17643.000	47.18	peak	14.57	61.75	74.00	12.25
17643.000	33.24	AVG	14.57	47.81	54.00	6.19

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

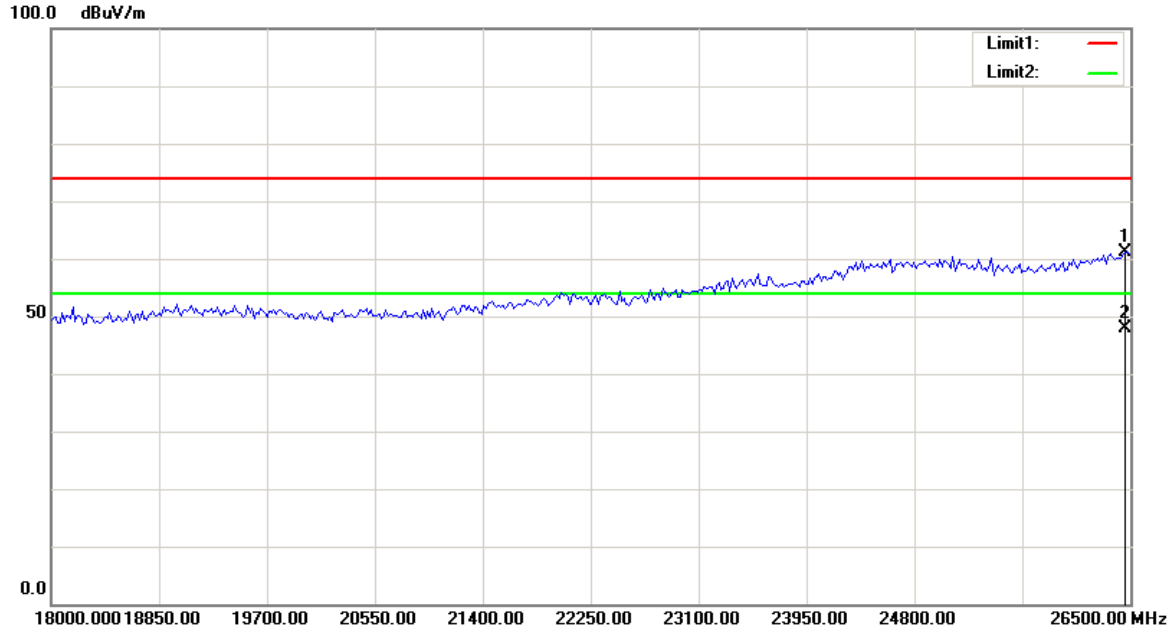
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1918.000	57.10	peak	-7.47	49.63	74.00	24.37
1918.000	34.12	AVG	-7.47	26.65	54.00	27.35
14404.500	48.33	peak	10.13	58.46	74.00	15.54
14404.500	35.25	AVG	10.13	45.38	54.00	8.62
17872.500	45.47	peak	16.23	61.70	74.00	12.30
17872.500	31.22	AVG	16.23	47.45	54.00	6.55

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

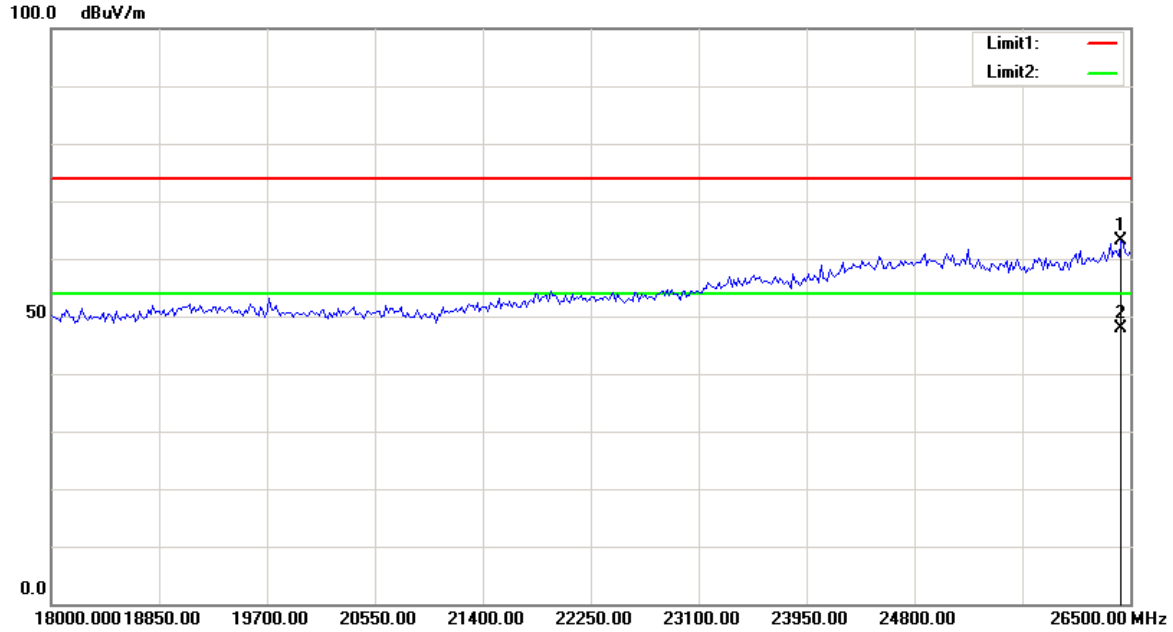
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
26465.932	39.40	peak	21.69	61.09	74.00	12.91
26465.932	26.18	AVG	21.69	47.87	54.00	6.13

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

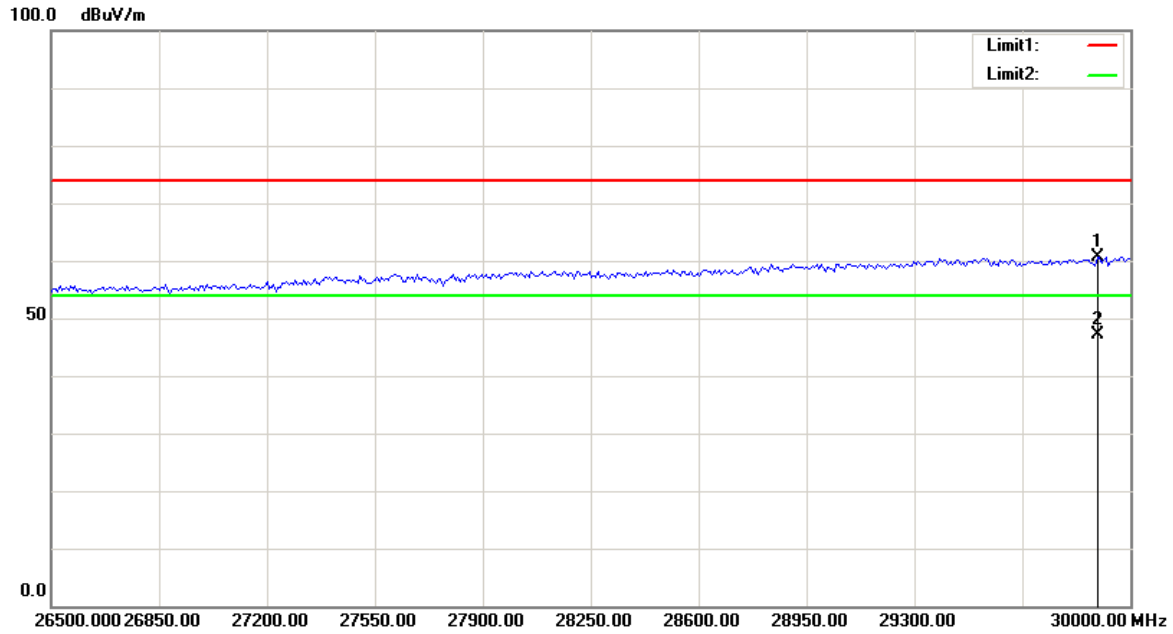
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
26431.864	41.62	peak	21.54	63.16	74.00	10.84
26431.864	26.42	AVG	21.54	47.96	54.00	6.04

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

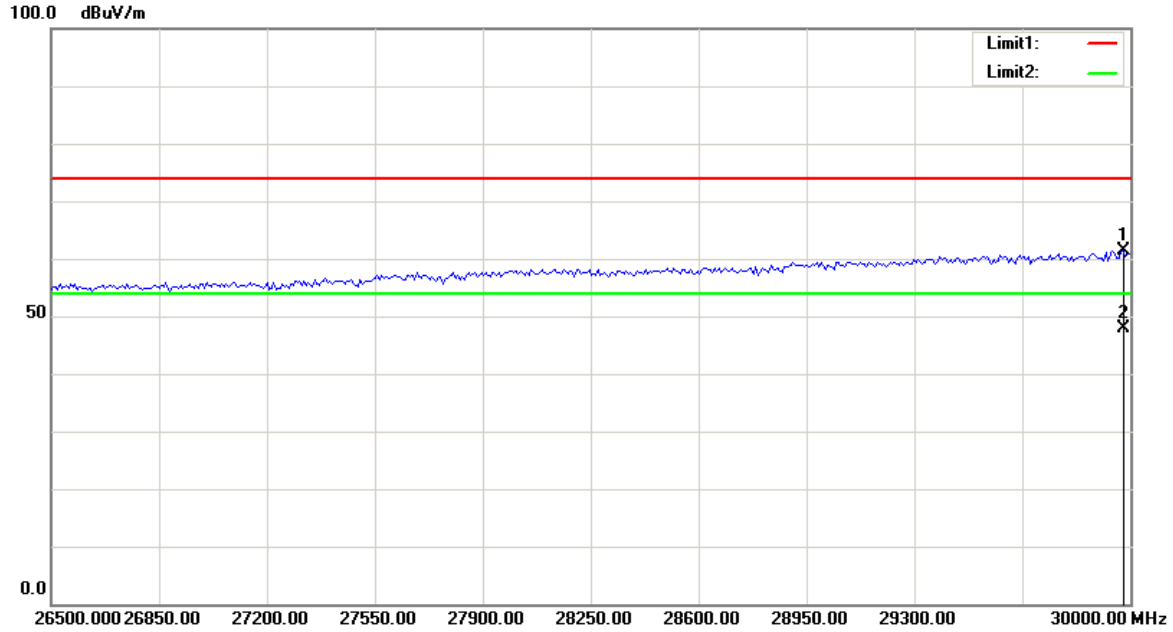
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
29894.790	44.74	peak	15.97	60.71	74.00	13.29
29894.790	31.25	AVG	15.97	47.22	54.00	6.78

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** Charging and Operating  
**Note:**

**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 1m

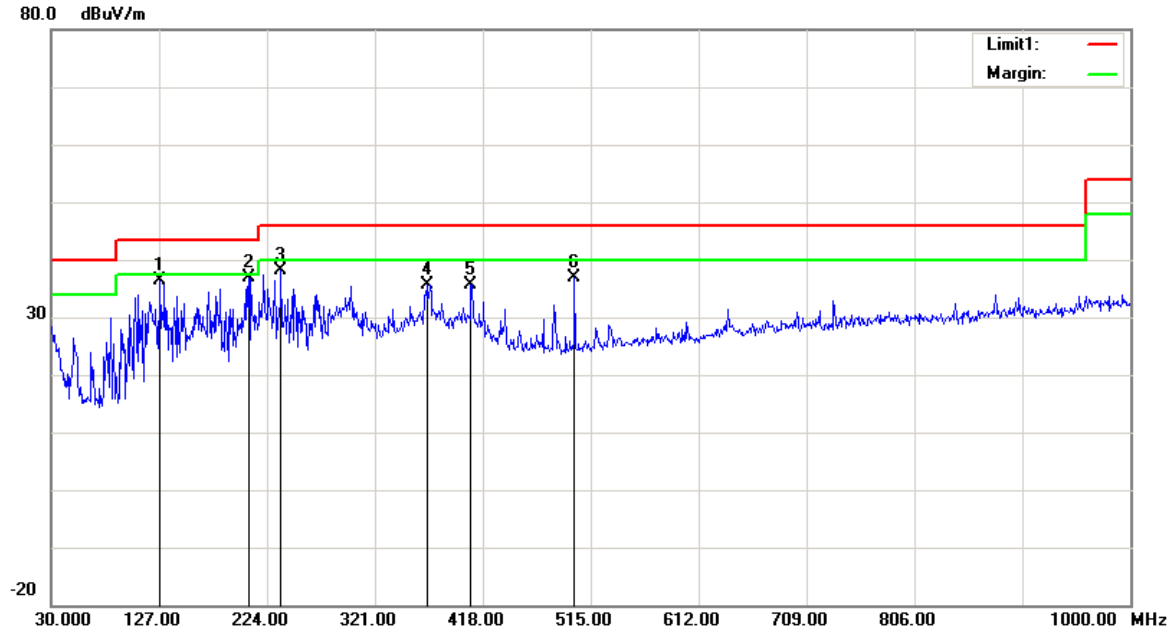


Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
29978.958	44.89	peak	16.57	61.46	74.00	12.54
29978.958	31.28	AVG	16.57	47.85	54.00	6.15



**Condition:** FCC Class B 3M Radiation  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

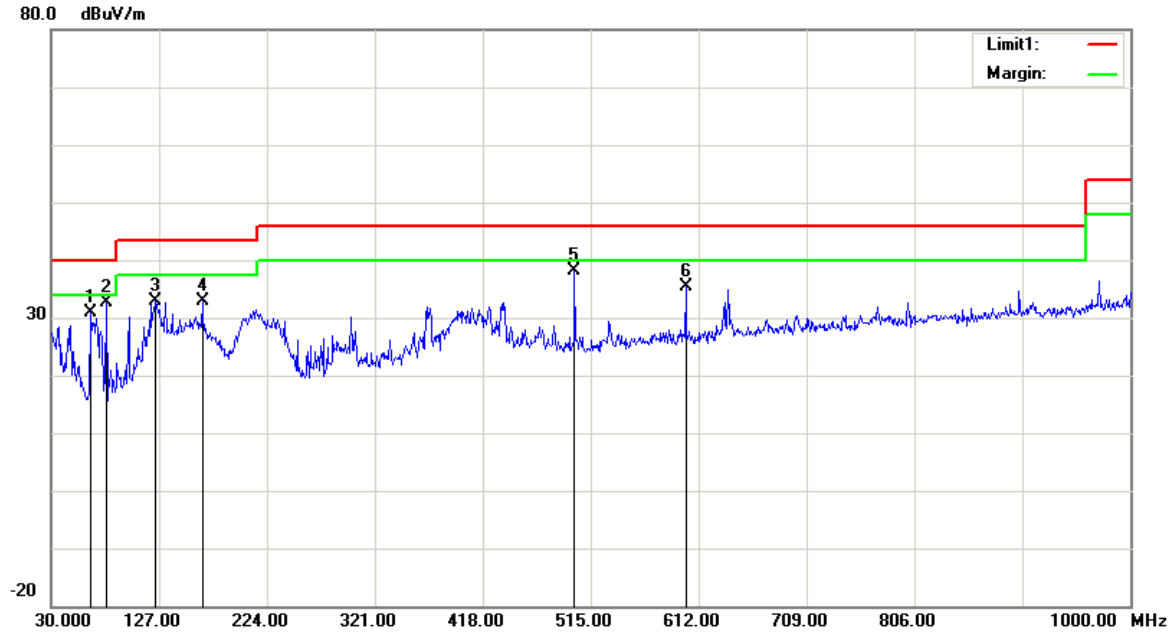
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
127.9700	41.06	peak	-4.76	36.30	43.50	7.20
207.5100	44.07	peak	-7.25	36.82	43.50	6.68
236.6100	44.26	peak	-6.15	38.11	46.00	7.89
368.5300	38.48	peak	-2.78	35.70	46.00	10.30
407.3300	37.61	peak	-1.87	35.74	46.00	10.26
500.4500	37.20	peak	-0.32	36.88	46.00	9.12

**Condition:** FCC Class B 3M Radiation  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

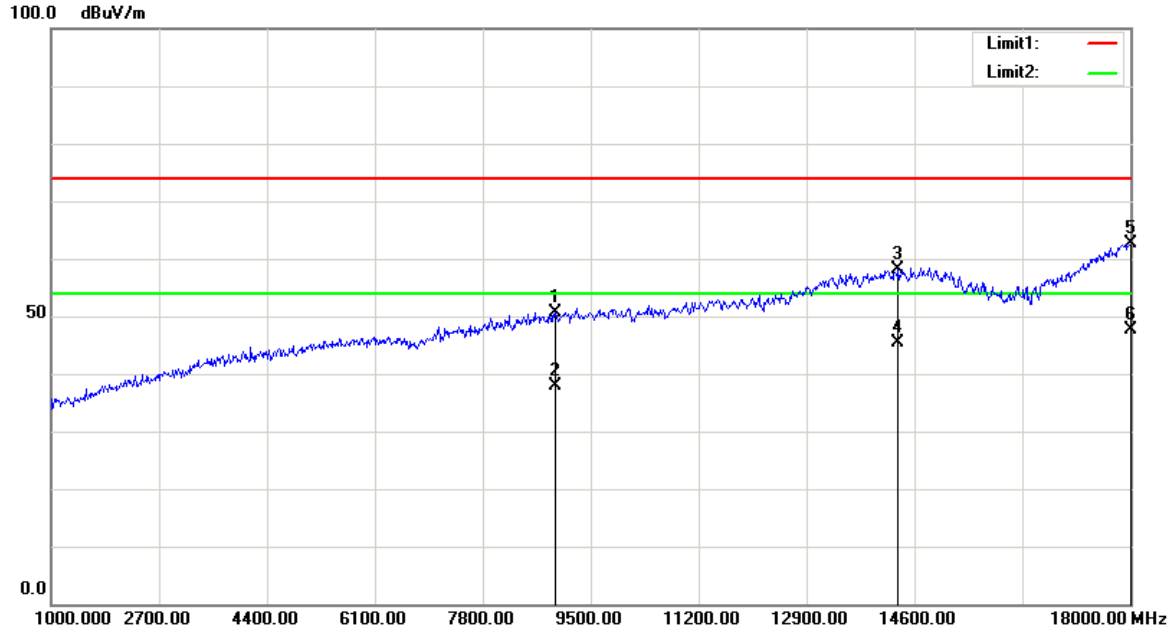
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
65.8900	42.37	peak	-11.60	30.77	40.00	9.23
79.4700	43.72	peak	-11.20	32.52	40.00	7.48
124.0900	37.38	peak	-4.56	32.82	43.50	10.68
165.8000	39.10	peak	-6.21	32.89	43.50	10.61
500.4500	38.51	peak	-0.32	38.19	46.00	7.81
600.3600	34.40	peak	1.03	35.43	46.00	10.57

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

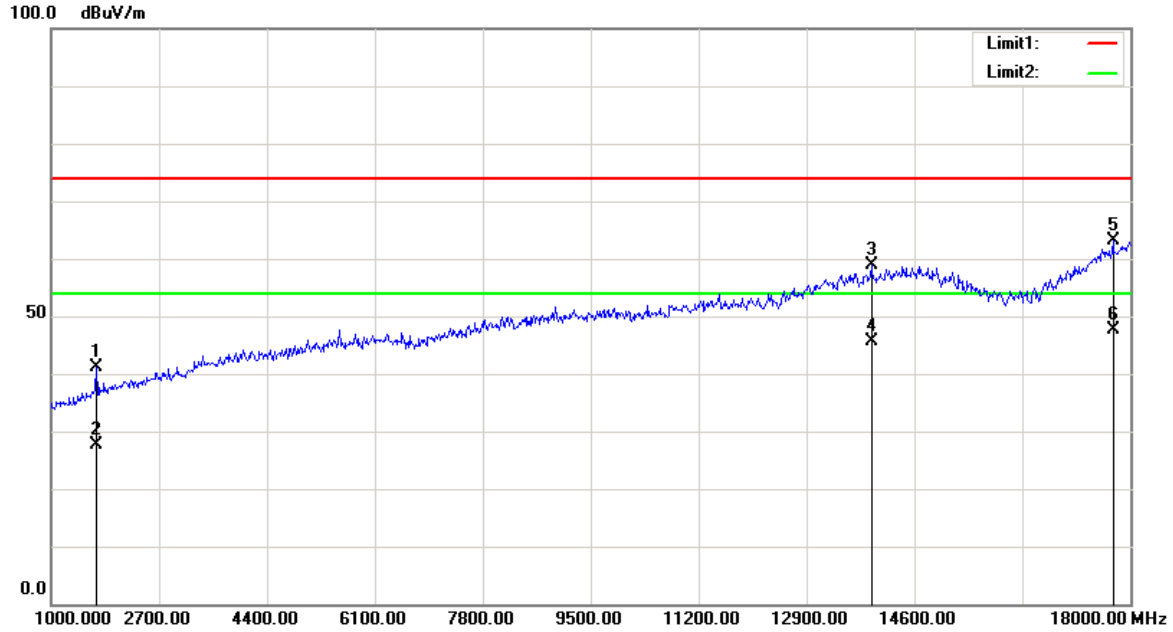
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
8947.500	44.55	peak	6.18	50.73	74.00	23.27
8947.500	31.59	AVG	6.18	37.77	54.00	16.23
14345.000	48.19	peak	10.01	58.20	74.00	15.80
14345.000	35.48	AVG	10.01	45.49	54.00	8.51
18000.000	45.48	peak	17.15	62.63	74.00	11.37
18000.000	30.49	AVG	17.15	47.64	54.00	6.36

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

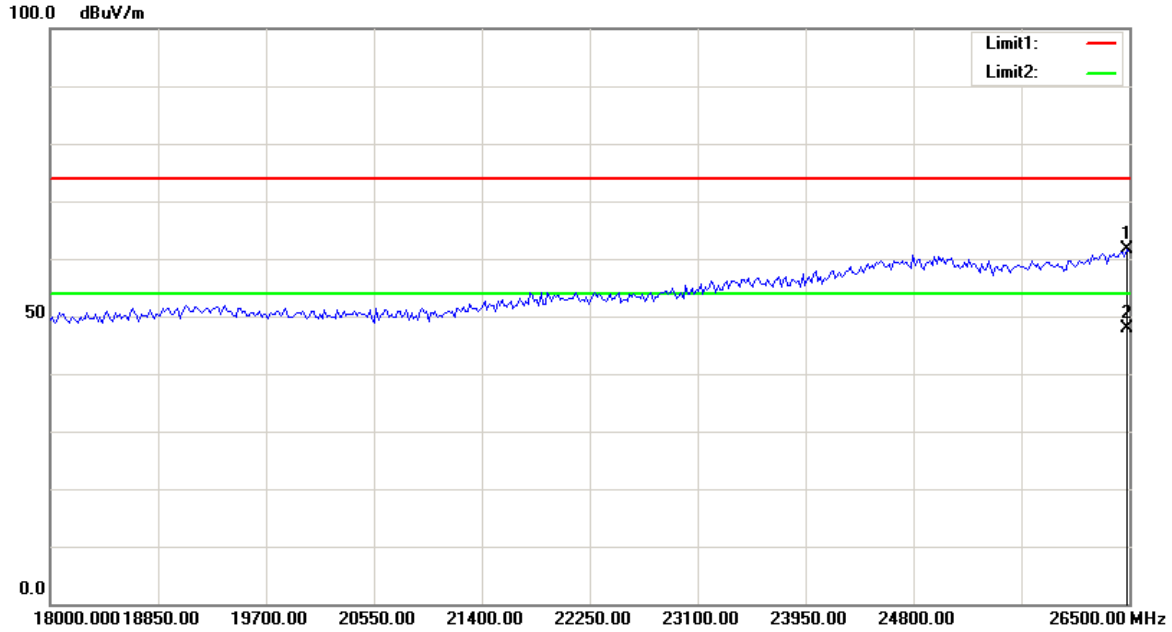
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1714.000	49.40	peak	-8.37	41.03	74.00	32.97
1714.000	35.94	AVG	-8.37	27.57	54.00	26.43
13928.500	49.46	peak	9.30	58.76	74.00	15.24
13928.500	36.22	AVG	9.30	45.52	54.00	8.48
17736.500	47.96	peak	15.24	63.20	74.00	10.80
17736.500	32.29	AVG	15.24	47.53	54.00	6.47

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

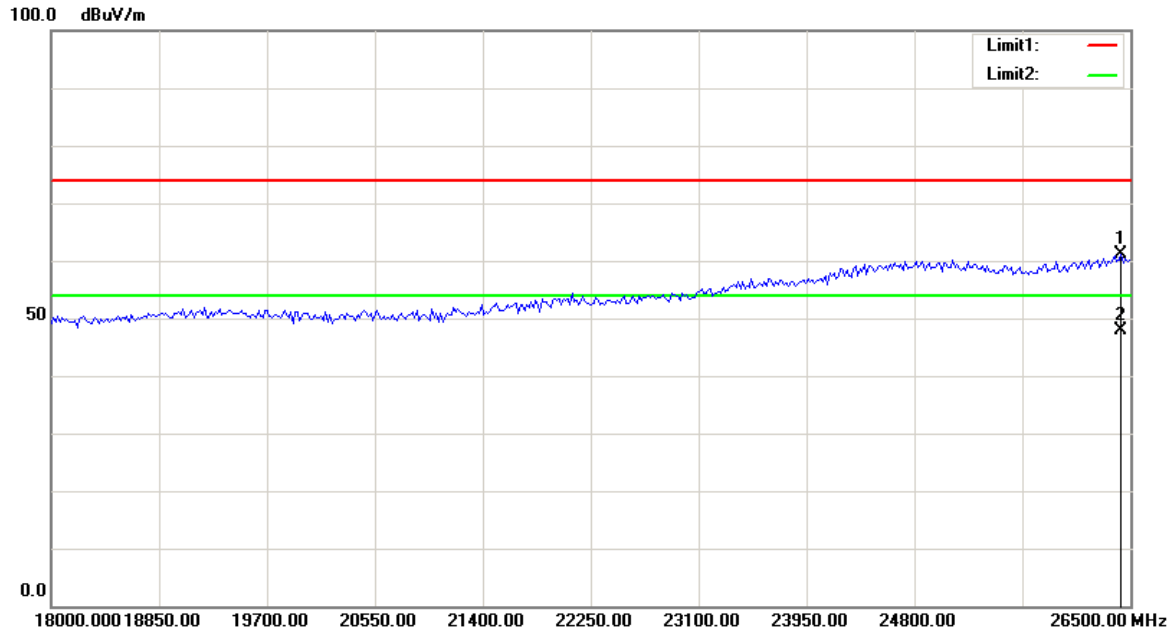
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
26482.966	39.86	peak	21.76	61.62	74.00	12.38
26482.966	26.14	AVG	21.76	47.90	54.00	6.10

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

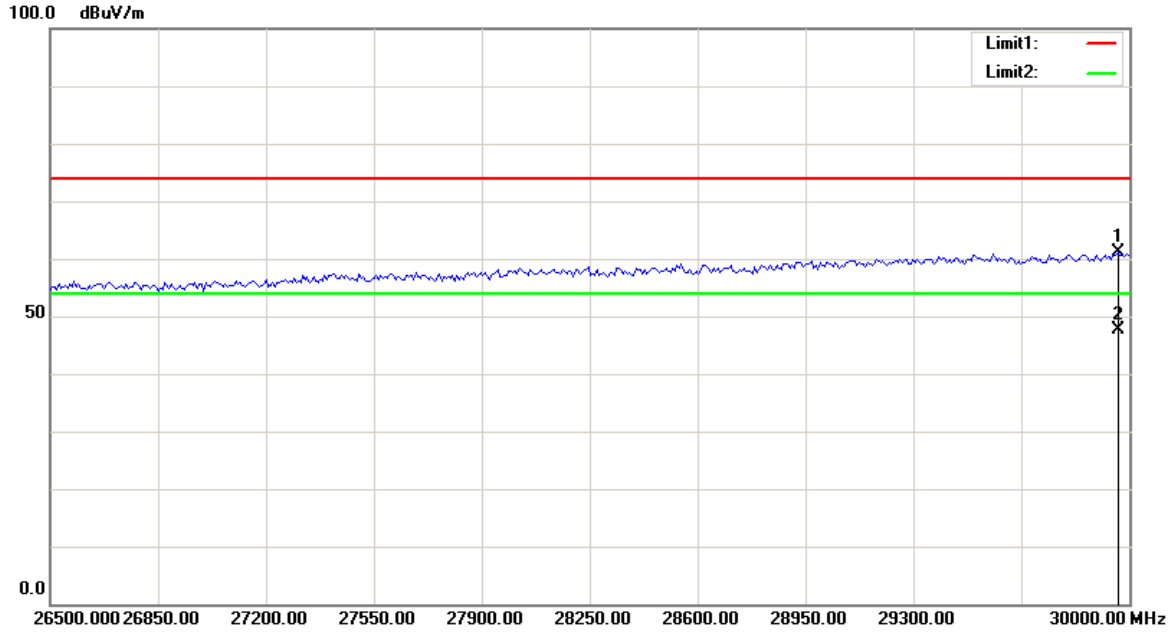
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
26431.864	39.48	peak	21.54	61.02	74.00	12.98
26431.864	26.30	AVG	21.54	47.84	54.00	6.16

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

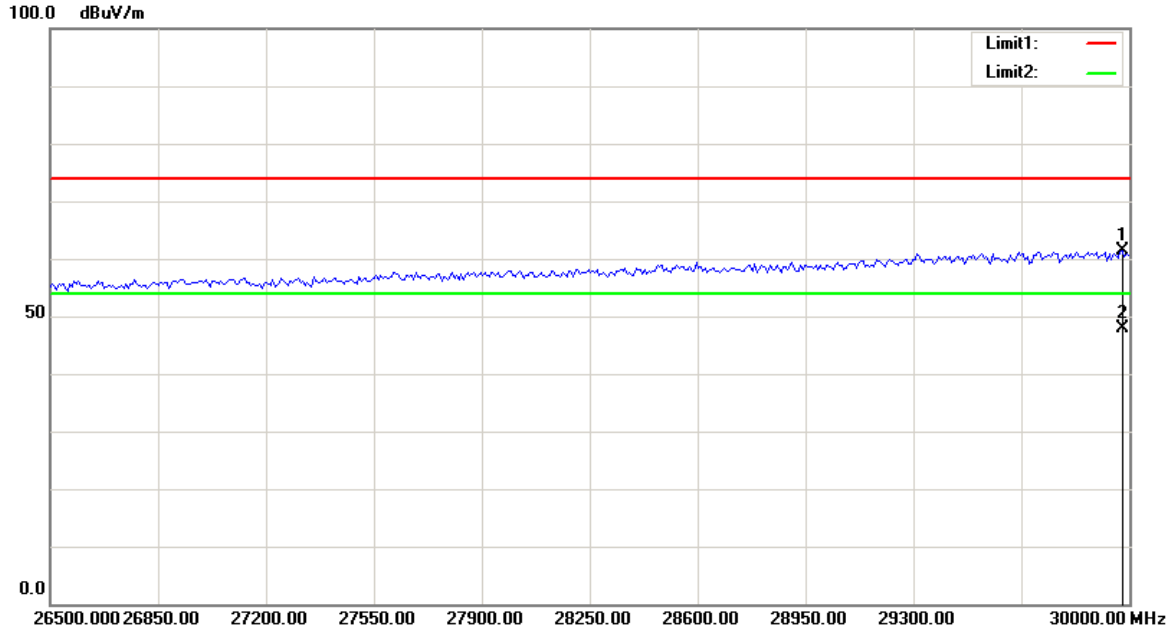
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1m



Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected dB/m	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
29964.930	44.79	peak	16.46	61.25	74.00	12.75
29964.930	31.26	AVG	16.46	47.72	54.00	6.28

**Condition:** FCC Part 15 Class B  
**EUT:** X1D MARK II  
**Model:** X1D MARK II  
**Test Mode:** PC Operating  
**Note:**

**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 1m



Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
29936.874	44.99	peak	16.27	61.26	74.00	12.74
29936.874	31.08	AVG	16.27	47.35	54.00	6.65

\*\*\*\*\*END OF REPORT\*\*\*\*\*