



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 15B

TEST REPORT

For

INGENICO

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FCC ID: XKB-DX8CL4GWB

Report Type: Original Report	Product Type: Smart POS Terminal
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Report Number:	RXM200918051-00E
Report Date:	2020-11-06
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:		Smart POS Terminal
EUT Model:		AXIUM DX8000
Highest Operation Frequency:		5825 MHz
Rated Input Voltage:		DC 7.2V from battery or DC 5V from adapter
Adapter#1 Information:	Model:	SW-0983
	Input:	100-240Vac 50/60Hz 0.5A
	Output:	5.0Vdc 2.0A
Adapter#2 Information:	Model:	A8-050200U-US3
	Input:	100-240Vac 50/60Hz 0.35A
	Output:	5.0Vdc 2.0A
Serial Number:		RXM200918051-RF-S1
EUT Received Date:		2020.09.18
EUT Received Status:		Good

Battery Information:

No.	Manufacturer	Specification
Battery 1#	Xinyu Ganfeng Electronics Co.,Ltd.	DC 7.2V 3400mAh/24.48Wh
Battery 2#	SCUD(Fujian) Electronics Co., Ltd.	DC 7.2V 3400mAh/24.48Wh

Objective

This report is prepared on behalf of *INGENICO* in accordance with Part 2, Subpart J, and Part 15-Subparts A and B of the Federal Communications Commission's rules.

The objective is to determine the compliance of EUT with: FCC Part 15B Class B.

Related Submittal(s)/Grant(s)

FCC Part 15C DXX submissions with FCC ID: XKB-DX8CL4GWBT.

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)

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

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 lab has been recognized as the FCC accredited lab 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 lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “△”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in Operating mode. The test configuration as below:

Test Configuration (TC)	Adapter	Battery
1	Adapter#1	Battery#1
2	Adapter#2	Battery#1
3	Adapter#1	Battery#2
4	Adapter#2	Battery#2

Equipment Modifications

No modification was made to the EUT.

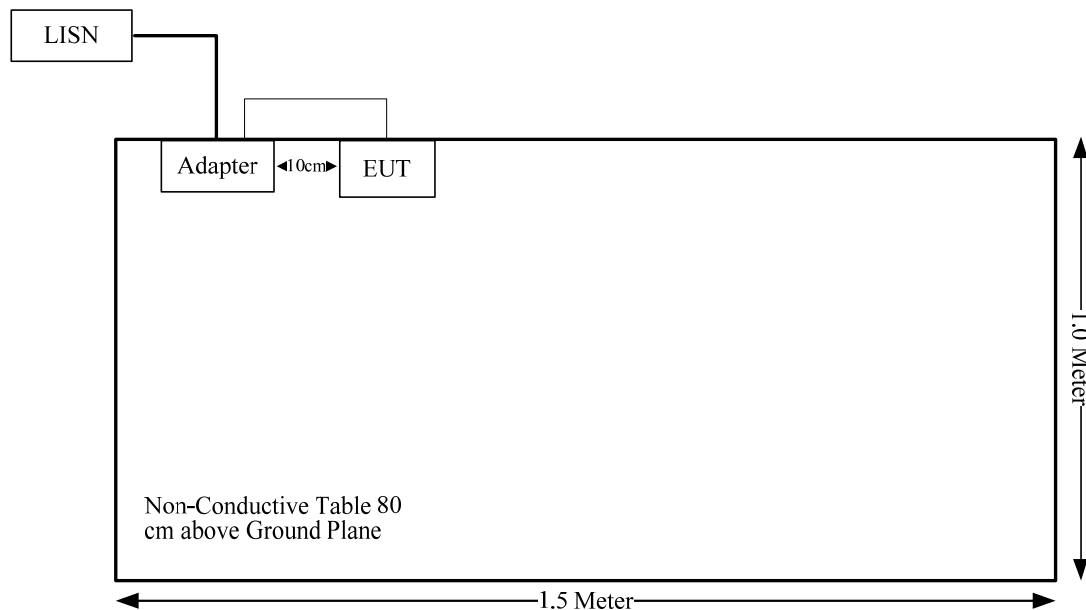
EUT Exercise Software

No Software was used in test.

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	yes	No	0.8	Adapter	EUT

Block Diagram of Test Setup



Test Equipment List

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conducted emission					
R&S	LISN	ENV 216	101614	2020-09-12	2021-09-12
R&S	EMI Test Receiver	ESCI	101121	2020-07-07	2021-07-07
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2020-09-05	2021-09-05
R&S	Test Software	EMC32	Version 9.10.00	N/A	N/A
Radiated Emission					
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
R&S	EMI Test Receiver	ESR3	102453	2019-09-12	2020-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2019-09-05	2020-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2019-09-05	2020-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2019-05-06	2020-05-06
HP	Amplifier	8447D	2727A05902	2019-09-05	2020-09-05
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Agilent	Spectrum Analyzer	E4440A	SG43360054	2019-07-07	2020-07-07
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2019-09-05	2020-09-05
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2019-09-05	2020-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2017-12-06	2020-12-05
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2017-12-06	2020-12-05
R&S	Spectrum Analyzer	FSP 38	100478	2019-07-07	2020-07-07
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2019-06-27	2020-06-27
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2019-06-27	2020-06-27

* 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

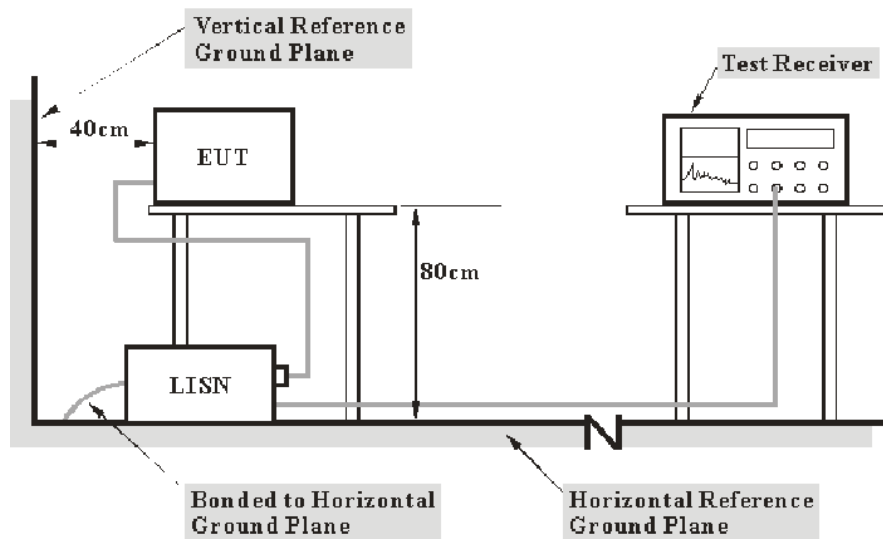
Test Item:	Conducted emissions	Radiated emissions (Below 1GHz)	Radiated emissions (Above 1GHz)
Temperature:	24.7°C	23.8°C	24.3°C
Relative Humidity:	63 %	52%	38%
ATM Pressure:	100.7 kPa	101.9 kPa	101.8 kPa
Tester:	Barry Yang	Jackson Zhang	Vern Shen
Test Date:	2020-10-14	2020-03-01	2020-02-24

SUMMARY OF TEST RESULTS

Rule and Clause	Description of Test	Test Result
FCC §15.107	Conducted emissions	Compliance
FCC §15.109	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 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.

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:

Corr. = Cable loss + Factor of coupling device

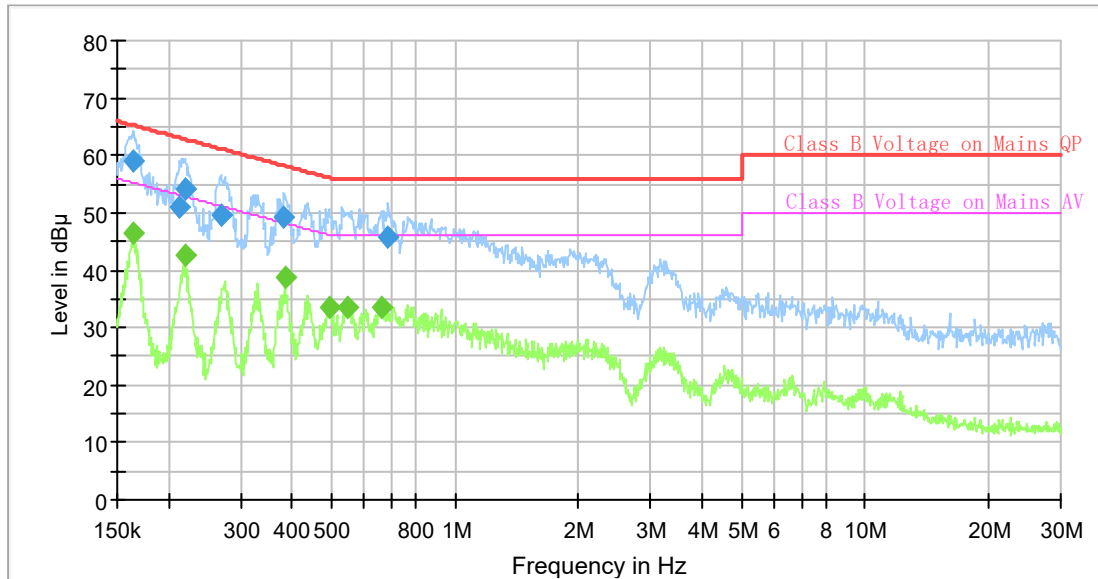
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit – Result

Test Data

Please refer to following table and plots:

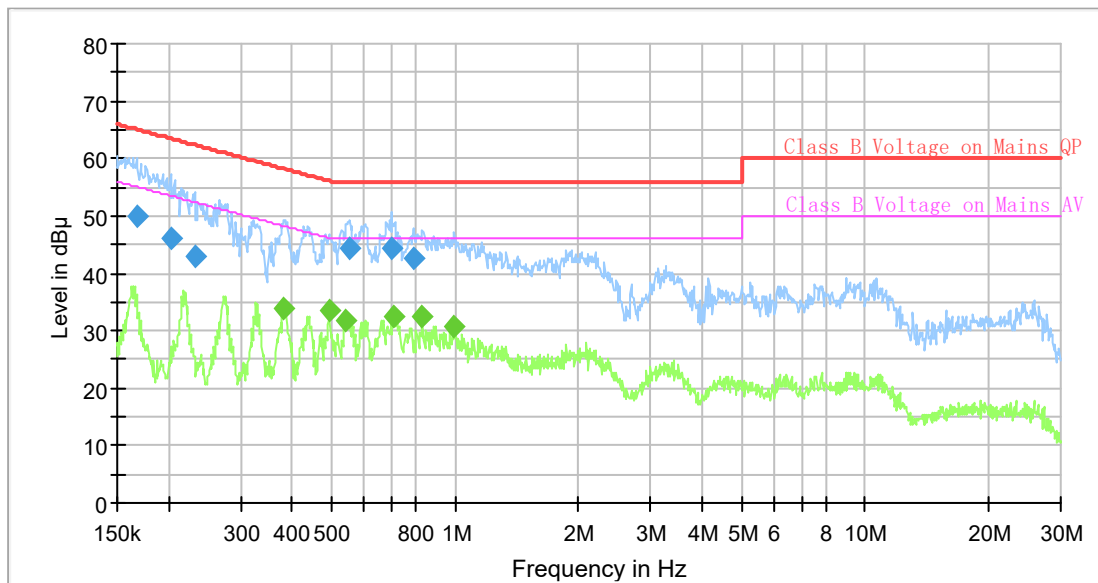
Port: L
 Test Mode: TC1
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.164910	---	46.56	55.21	8.65	9.000	L1	9.6
0.164910	58.95	---	65.21	6.26	9.000	L1	9.6
0.212675	50.92	---	63.10	12.18	9.000	L1	9.6
0.219135	---	42.63	52.85	10.22	9.000	L1	9.6
0.219135	54.24	---	62.85	8.61	9.000	L1	9.6
0.268856	49.78	---	61.15	11.37	9.000	L1	9.6
0.383099	49.42	---	58.21	8.79	9.000	L1	9.6
0.385014	---	38.62	48.17	9.55	9.000	L1	9.6
0.491602	---	33.49	46.14	12.65	9.000	L1	9.6
0.548615	---	33.56	46.00	12.44	9.000	L1	9.6
0.663098	---	33.41	46.00	12.59	9.000	L1	9.6
0.686657	45.65	---	56.00	10.35	9.000	L1	9.6

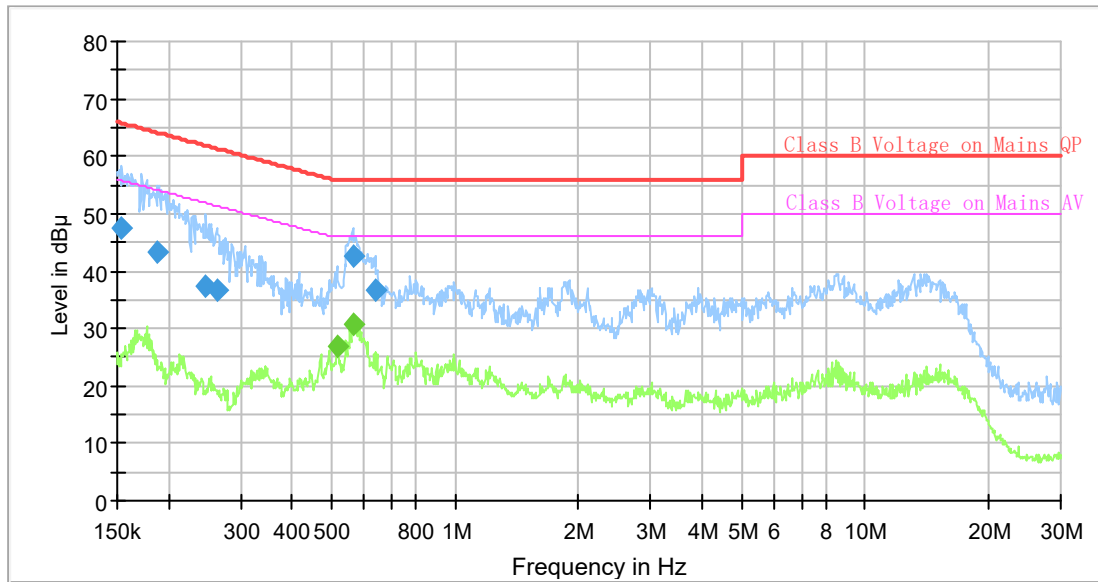
Port: N
 Test Mode: TC1
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.167396	50.10	---	65.09	14.99	9.000	N	9.6
0.202328	46.03	---	63.51	17.48	9.000	N	9.6
0.231493	43.03	---	62.40	19.37	9.000	N	9.6
0.383099	---	34.00	48.21	14.21	9.000	N	9.6
0.494060	---	33.37	46.10	12.73	9.000	N	9.6
0.540467	---	31.87	46.00	14.13	9.000	N	9.6
0.554114	44.39	---	56.00	11.61	9.000	N	9.6
0.700494	44.48	---	56.00	11.52	9.000	N	9.6
0.711054	---	32.54	46.00	13.46	9.000	N	9.6
0.789569	42.45	---	56.00	13.55	9.000	N	9.6
0.829947	---	32.33	46.00	13.67	9.000	N	9.6
0.998148	---	30.67	46.00	15.33	9.000	N	9.6

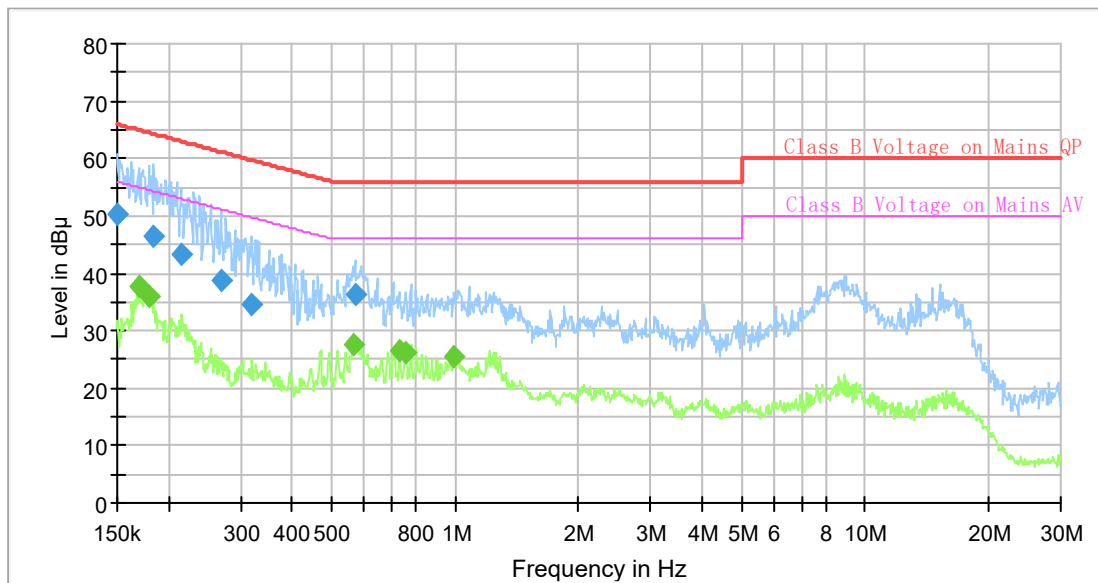
Port: L
 Test Mode: TC2
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.153788	47.56	---	65.79	18.23	9.000	L1	9.6
0.187743	43.44	---	64.14	20.70	9.000	L1	9.6
0.247000	37.33	---	61.86	24.53	9.000	L1	9.6
0.262235	36.80	---	61.36	24.56	9.000	L1	9.6
0.514172	---	26.73	46.00	19.27	9.000	L1	9.6
0.565280	42.69	---	56.00	13.31	9.000	L1	9.6
0.568106	---	30.84	46.00	15.16	9.000	L1	9.6
0.640347	36.58	---	56.00	19.42	9.000	L1	9.6

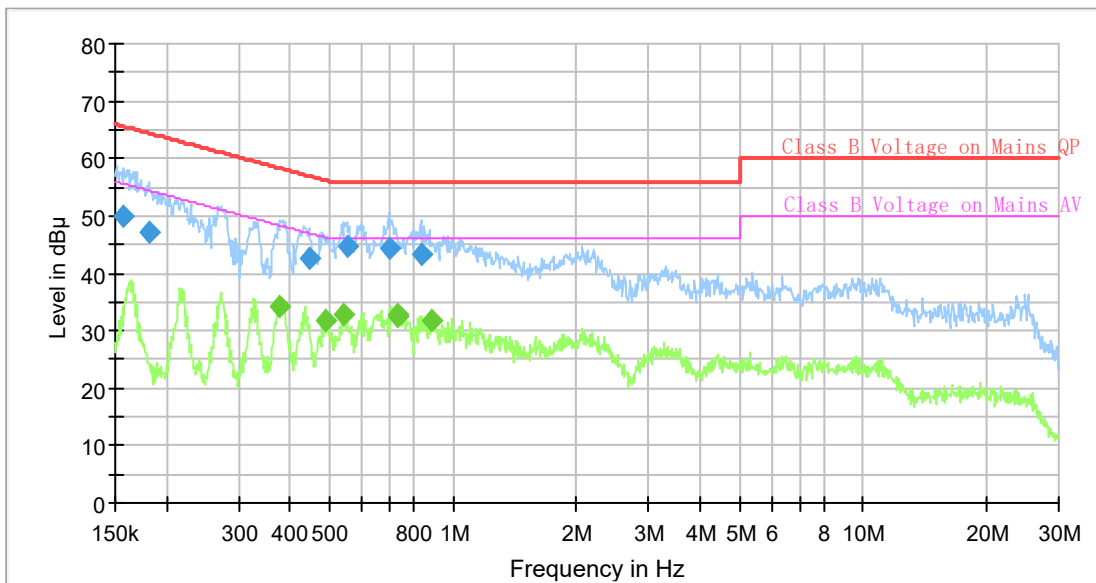
Port: N
 Test Mode: TC2
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	50.47	---	66.00	15.53	9.000	N	9.6
0.169074	---	37.86	55.01	17.15	9.000	N	9.6
0.180400	---	36.15	54.47	18.32	9.000	N	9.6
0.184035	46.56	---	64.30	17.74	9.000	N	9.6
0.214807	43.34	---	63.02	19.68	9.000	N	9.6
0.268856	38.79	---	61.15	22.36	9.000	N	9.6
0.320135	34.59	---	59.70	25.11	9.000	N	9.6
0.568106	---	27.51	46.00	18.49	9.000	N	9.6
0.570947	36.35	---	56.00	19.65	9.000	N	9.6
0.732654	---	26.42	46.00	19.58	9.000	N	9.6
0.754910	---	26.21	46.00	19.79	9.000	N	9.6
0.998148	---	25.35	46.00	20.65	9.000	N	9.6

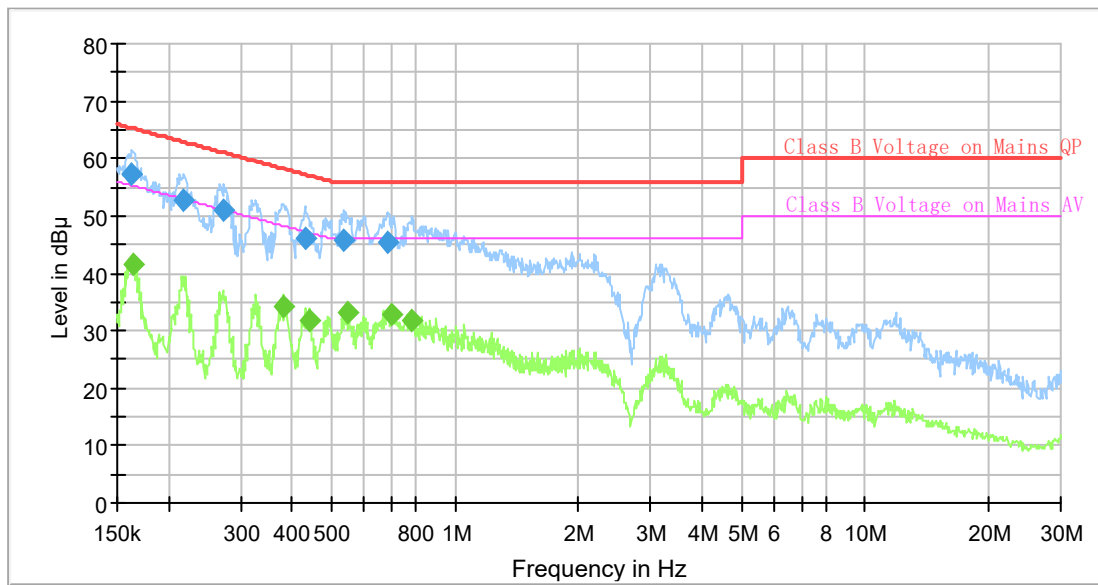
Port: L
 Test Mode: TC3
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.157671	50.08	---	65.59	15.51	9.000	L1	9.6
0.181302	47.13	---	64.43	17.30	9.000	L1	9.6
0.379296	---	34.24	48.29	14.05	9.000	L1	9.6
0.444931	42.53	---	56.97	14.44	9.000	L1	9.6
0.489157	---	31.88	46.18	14.30	9.000	L1	9.6
0.540467	---	32.69	46.00	13.31	9.000	L1	9.6
0.551358	44.64	---	56.00	11.36	9.000	L1	9.6
0.697009	44.54	---	56.00	11.46	9.000	L1	9.6
0.729009	---	32.81	46.00	13.19	9.000	L1	9.7
0.736317	---	32.61	46.00	13.39	9.000	L1	9.7
0.834097	43.39	---	56.00	12.61	9.000	L1	9.7
0.889970	---	31.80	46.00	14.20	9.000	L1	9.7

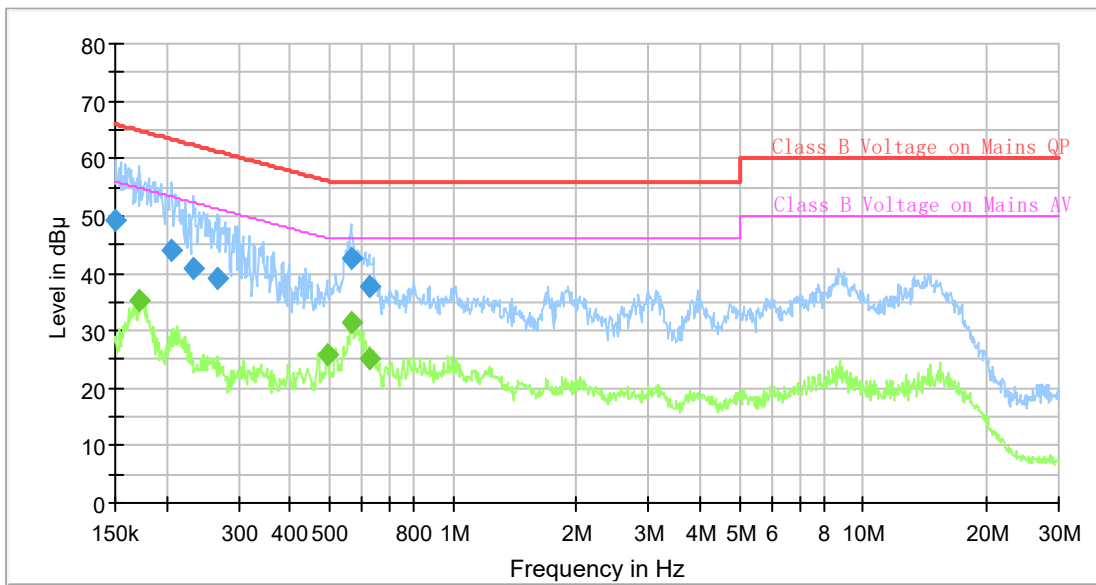
Port: N
 Test Mode: TC3
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.162461	57.15	---	65.34	8.19	9.000	N	9.6
0.164089	---	41.46	55.25	13.79	9.000	N	9.6
0.218045	52.59	---	62.89	10.30	9.000	N	9.6
0.272910	50.89	---	61.03	10.14	9.000	N	9.6
0.383099	---	34.21	48.21	14.00	9.000	N	9.6
0.429665	45.99	---	57.26	11.27	9.000	N	9.6
0.440515	---	31.90	47.05	15.15	9.000	N	9.6
0.535103	45.66	---	56.00	10.34	9.000	N	9.6
0.545885	---	33.06	46.00	12.94	9.000	N	9.6
0.683241	45.48	---	56.00	10.52	9.000	N	9.6
0.703996	---	32.80	46.00	13.20	9.000	N	9.6
0.785640	---	31.94	46.00	14.06	9.000	N	9.6

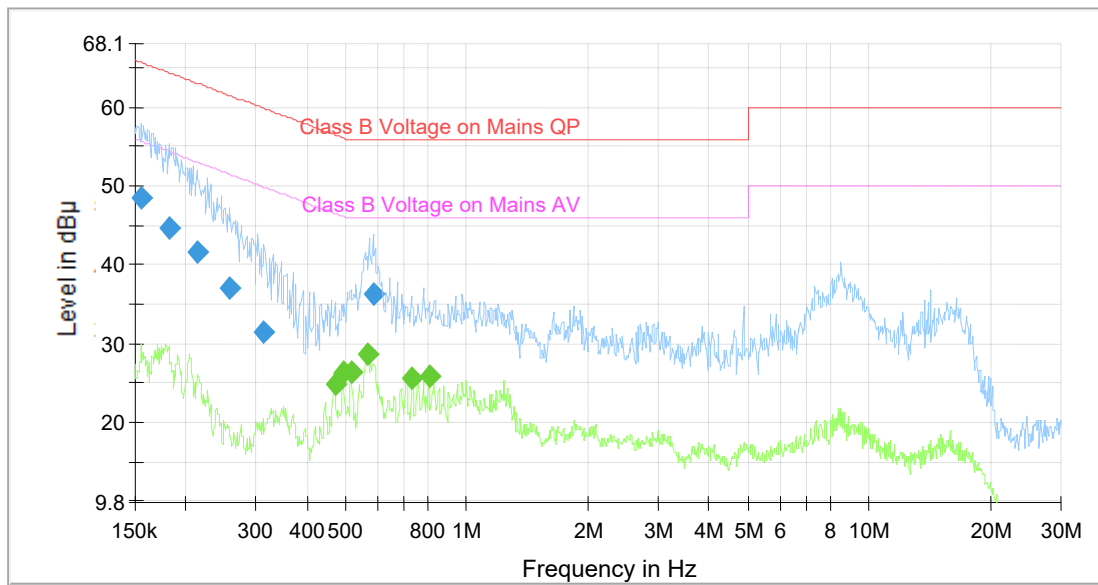
Port: L
 Test Mode: TC4
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	49.10	---	66.00	16.90	9.000	L1	9.6
0.170769	---	35.18	54.92	19.74	9.000	L1	9.6
0.206405	44.03	---	63.35	19.32	9.000	L1	9.6
0.232651	40.88	---	62.35	21.47	9.000	L1	9.6
0.264864	38.96	---	61.28	22.32	9.000	L1	9.6
0.494060	---	25.92	46.10	20.18	9.000	L1	9.6
0.565280	---	31.47	46.00	14.53	9.000	L1	9.6
0.565280	42.57	---	56.00	13.43	9.000	L1	9.6
0.624575	---	25.06	46.00	20.94	9.000	L1	9.6
0.624575	37.74	---	56.00	18.26	9.000	L1	9.6

Port: N
 Test Mode: TC4
 Power Source: AC 120V/60Hz



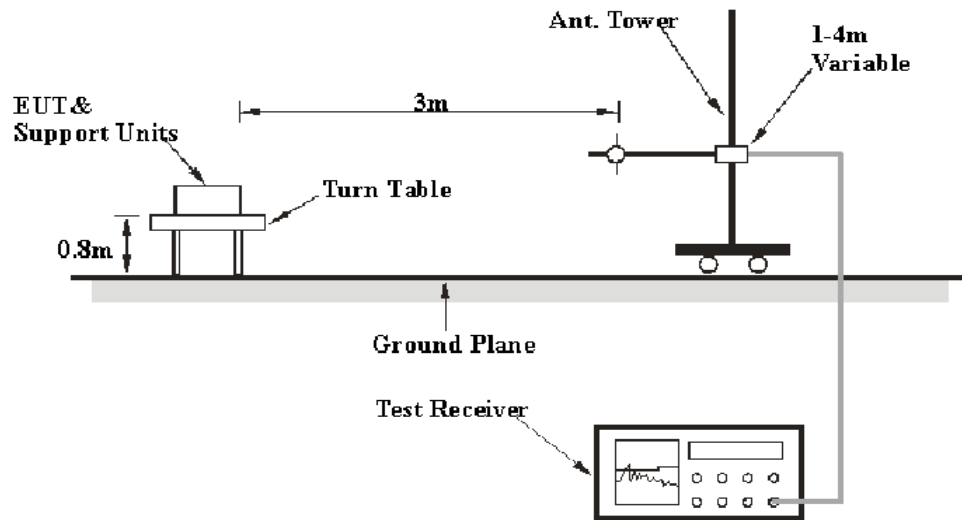
Final Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.155329	48.44	---	65.71	17.27	9.000	N	9.6
0.181302	44.67	---	64.43	19.76	9.000	N	9.6
0.213738	41.63	---	63.06	21.43	9.000	N	9.6
0.257055	36.97	---	61.53	24.56	9.000	N	9.6
0.313811	31.42	---	59.87	28.45	9.000	N	9.6
0.470023	---	24.87	46.51	21.64	9.000	N	9.6
0.491602	---	26.38	46.14	19.76	9.000	N	9.6
0.516743	---	26.36	46.00	19.64	9.000	N	9.6
0.565280	---	28.61	46.00	17.39	9.000	N	9.6
0.585364	36.36	---	56.00	19.64	9.000	N	9.6
0.732654	---	25.58	46.00	20.42	9.000	N	9.6
0.805479	---	25.88	46.00	20.12	9.000	N	9.6

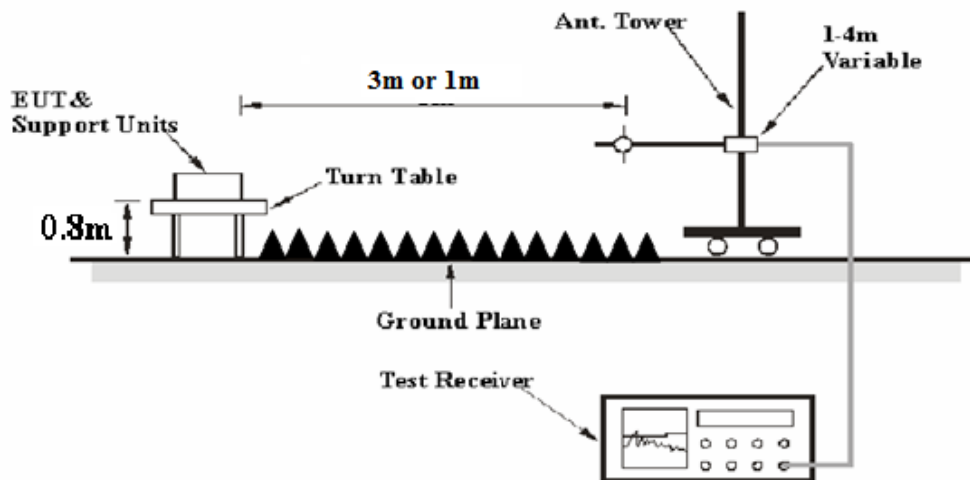
RADIATED EMISSIONS

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 26.5-30 GHz 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 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

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

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

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 + Insertion loss of attenuator - 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:

Condition: FCC Part 15B Class B

Test Mode: TC1

Polarization:

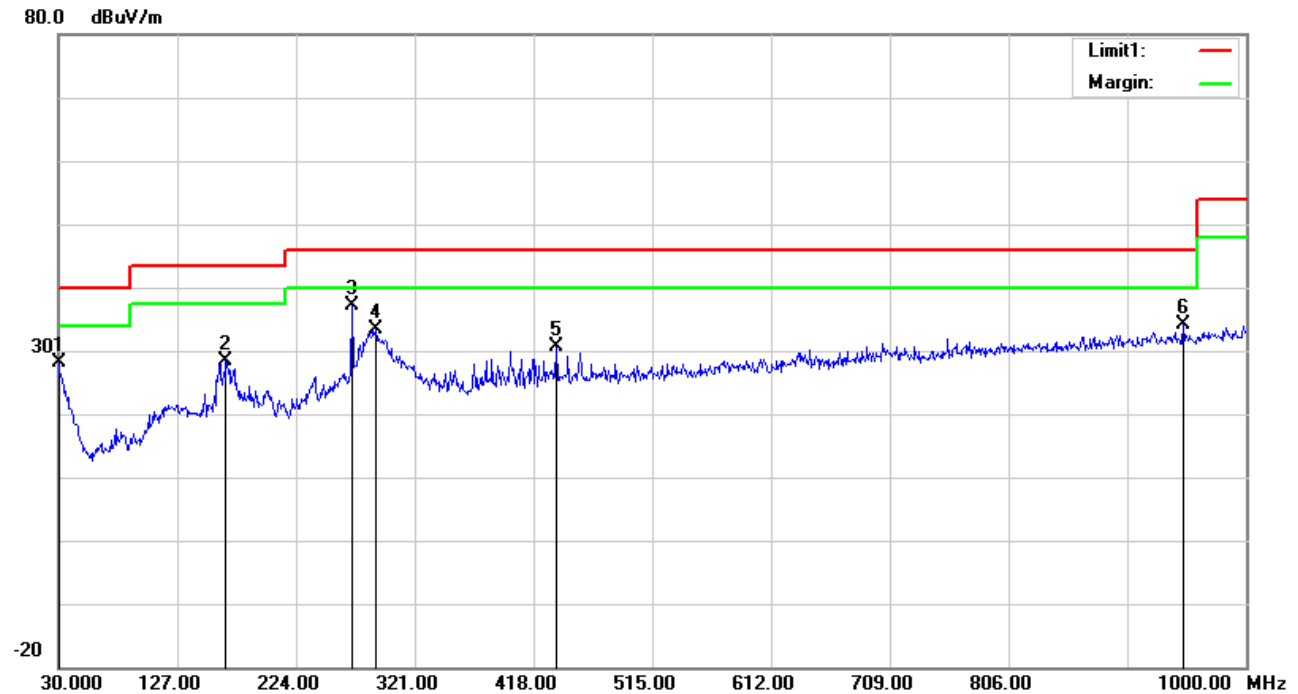
Horizontal

Power:

AC 120V/60Hz

Distance:

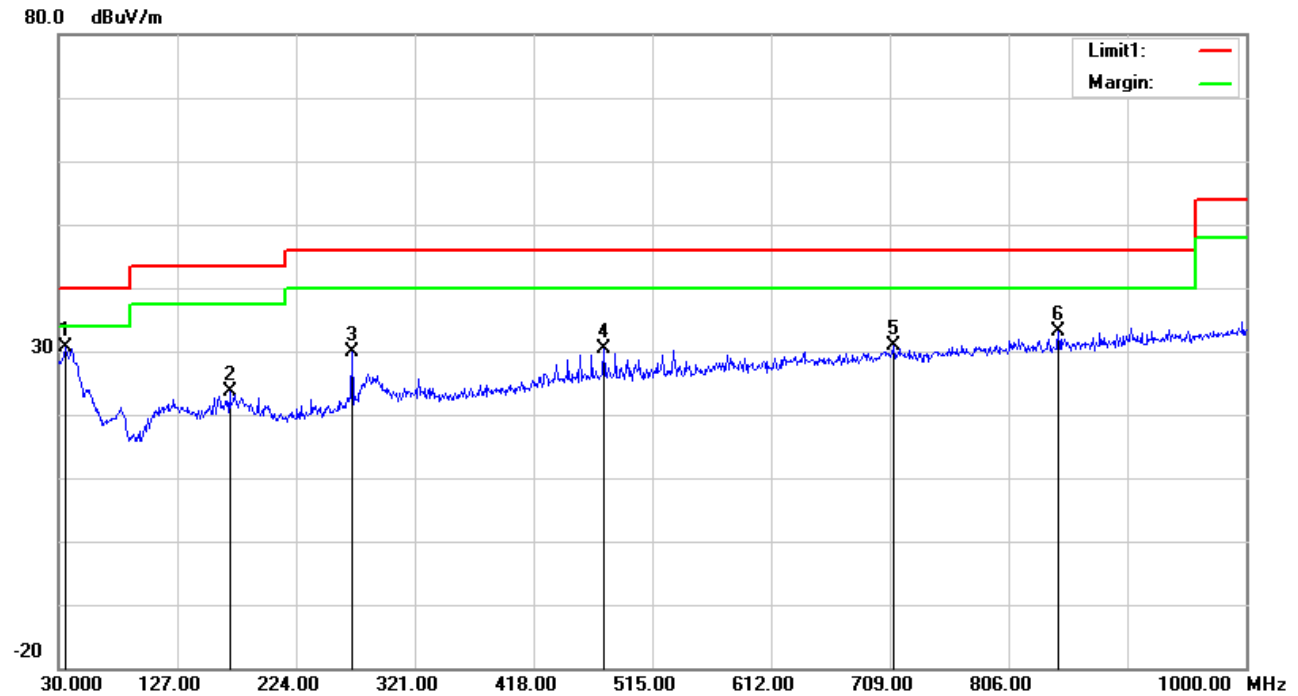
3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	30.0000	26.61	peak	1.46	28.07	40.00	11.93
2	166.7700	34.96	peak	-6.51	28.45	43.50	15.05
3	269.5900	41.38	peak	-4.29	37.09	46.00	8.91
4	288.9900	37.26	peak	-3.85	33.41	46.00	12.59
5	436.4300	31.88	peak	-1.31	30.57	46.00	15.43
6	948.5900	34.24	peak	-0.10	34.14	46.00	11.86

Condition: FCC Part 15B Class B
Test Mode: TC1

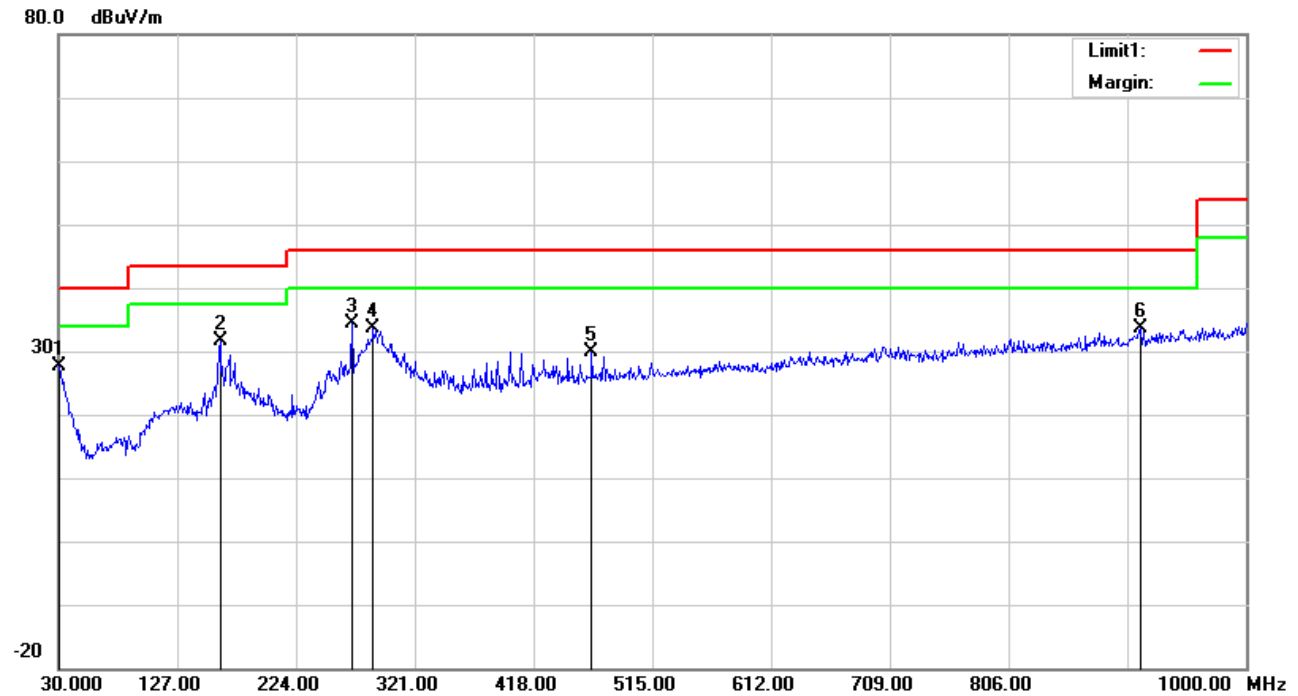
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	35.8200	33.31	peak	-2.79	30.52	40.00	9.48
2	169.6800	30.38	peak	-6.77	23.61	43.50	19.89
3	269.5900	34.08	peak	-4.29	29.79	46.00	16.21
4	475.2300	30.79	peak	-0.48	30.31	46.00	15.69
5	711.9100	28.08	peak	2.73	30.81	46.00	15.19
6	846.7400	28.61	peak	4.46	33.07	46.00	12.93

Condition: FCC Part 15B Class B
Test Mode: TC2

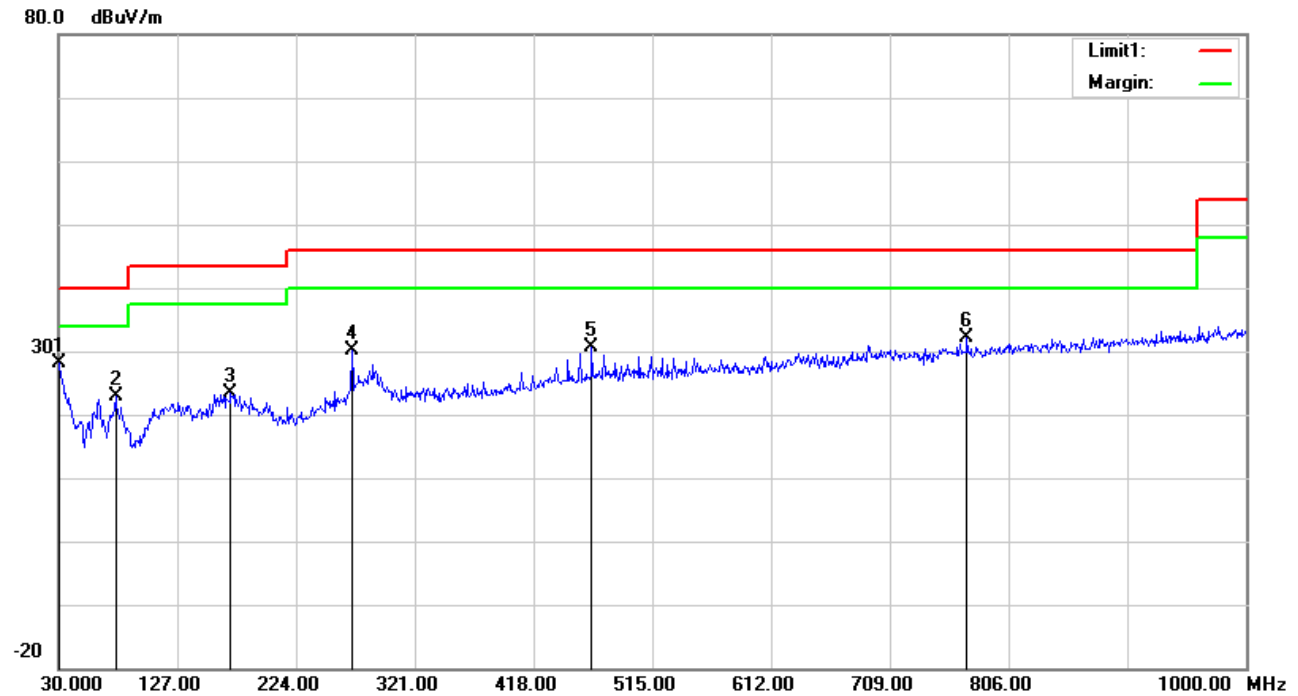
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	26.14	peak	1.46	27.60	40.00	12.40
2	161.9200	37.98	peak	-6.24	31.74	43.50	11.76
3	269.5900	38.77	peak	-4.29	34.48	46.00	11.52
4	287.0500	37.44	peak	-3.89	33.55	46.00	12.45
5	465.5300	30.59	peak	-0.60	29.99	46.00	16.01
6	913.6700	34.13	peak	-0.58	33.55	46.00	12.45

Condition: FCC Part 15B Class B
Test Mode: TC2

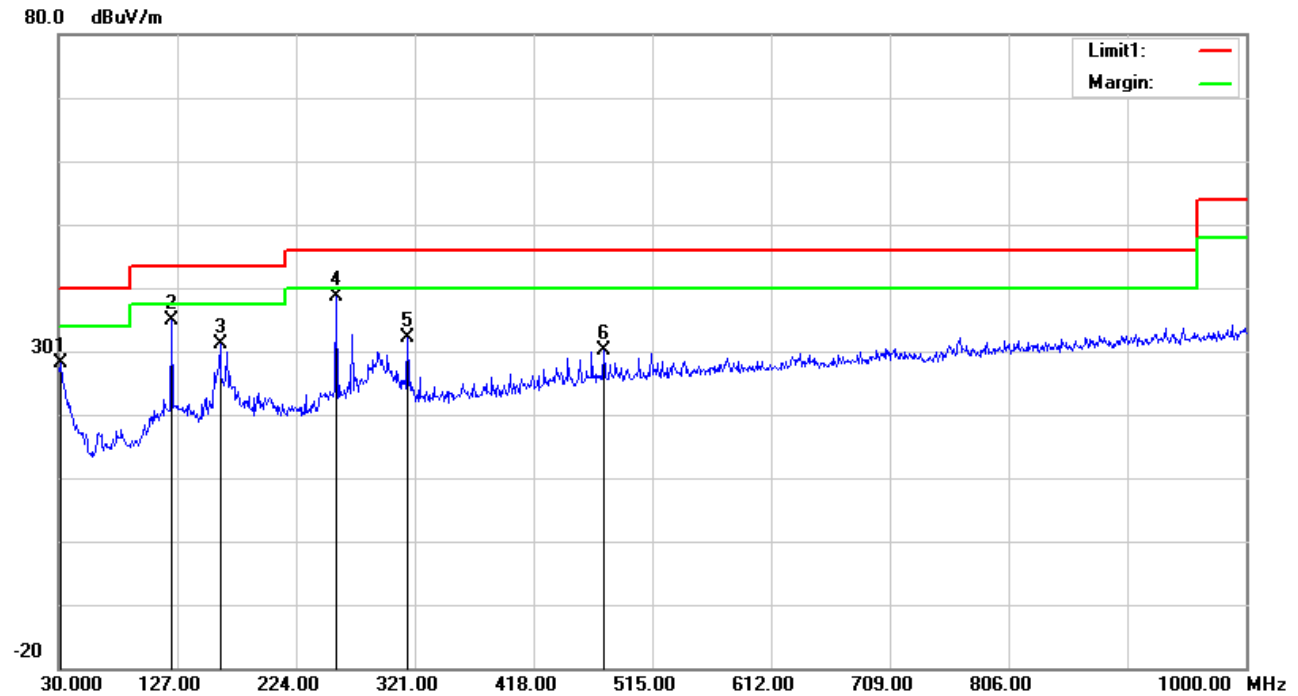
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	26.69	peak	1.46	28.15	40.00	11.85
2	76.5600	34.10	peak	-11.28	22.82	40.00	17.18
3	170.6500	30.16	peak	-6.82	23.34	43.50	20.16
4	269.5900	34.42	peak	-4.29	30.13	46.00	15.87
5	465.5300	31.17	peak	-0.60	30.57	46.00	15.43
6	772.0500	28.48	peak	3.67	32.15	46.00	13.85

Condition: FCC Part 15B Class B
Test Mode: TC3

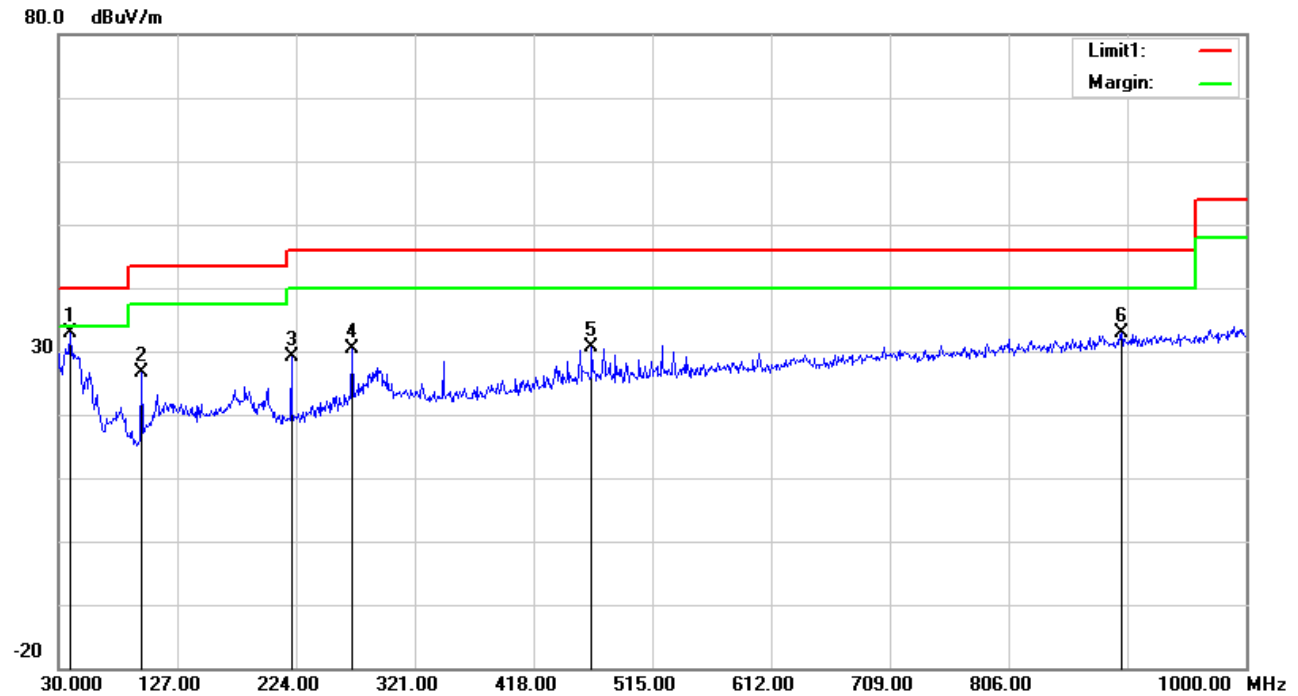
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	31.9400	28.00	peak	0.01	28.01	40.00	11.99
2	122.1500	39.57	peak	-4.78	34.79	43.50	8.71
3	161.9200	37.26	peak	-6.24	31.02	43.50	12.48
4	256.9800	44.30	peak	-5.65	38.65	46.00	7.35
5	315.1800	35.46	peak	-3.41	32.05	46.00	13.95
6	475.2300	30.53	peak	-0.48	30.05	46.00	15.95

Condition: FCC Part 15B Class B
Test Mode: TC3

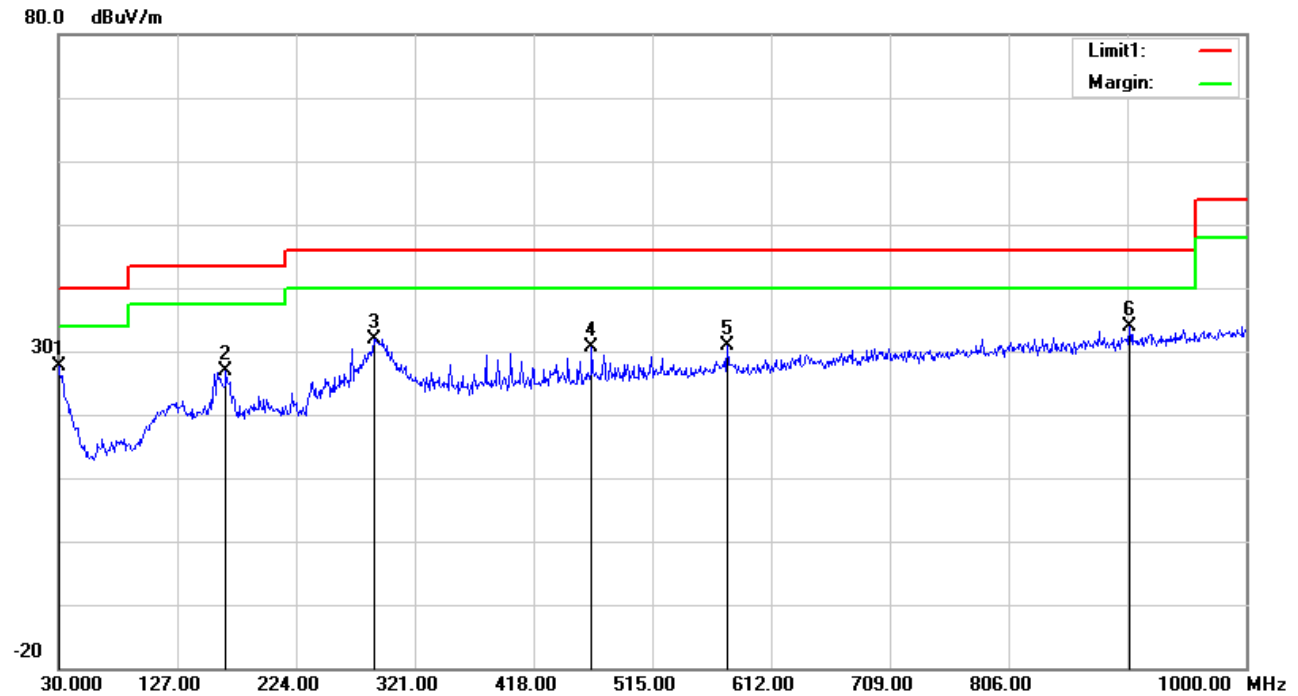
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	39.7000	38.69	peak	-5.84	32.85	40.00	7.15
2	97.9000	36.37	peak	-9.71	26.66	43.50	16.84
3	220.1200	35.95	peak	-6.91	29.04	46.00	16.96
4	269.5900	34.59	peak	-4.29	30.30	46.00	15.70
5	465.5300	31.30	peak	-0.60	30.70	46.00	15.30
6	898.1500	33.57	peak	-0.76	32.81	46.00	13.19

Condition: FCC Part 15B Class B
Test Mode: TC4

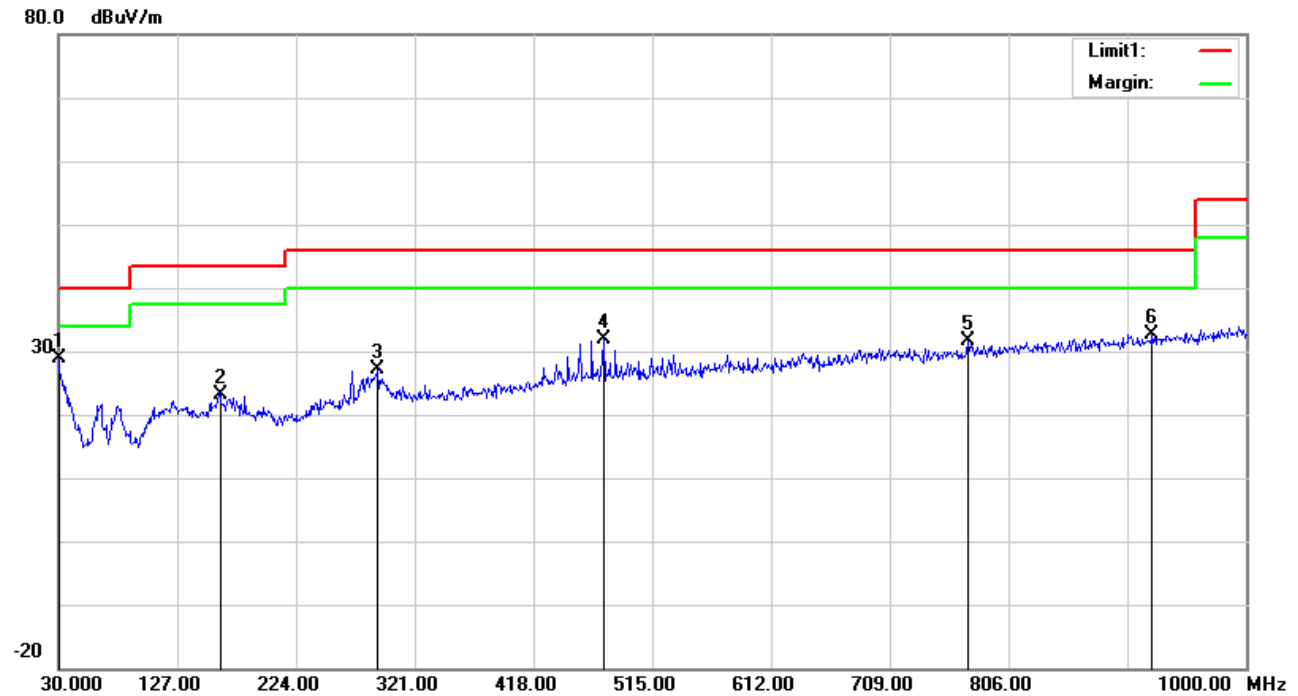
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	26.11	peak	1.46	27.57	40.00	12.43
2	166.7700	33.41	peak	-6.51	26.90	43.50	16.60
3	288.0200	35.78	peak	-3.90	31.88	46.00	14.12
4	465.5300	31.27	peak	-0.60	30.67	46.00	15.33
5	576.1100	29.95	peak	0.82	30.77	46.00	15.23
6	904.9400	28.31	peak	5.50	33.81	46.00	12.19

Condition: FCC Part 15B Class B
Test Mode: TC4

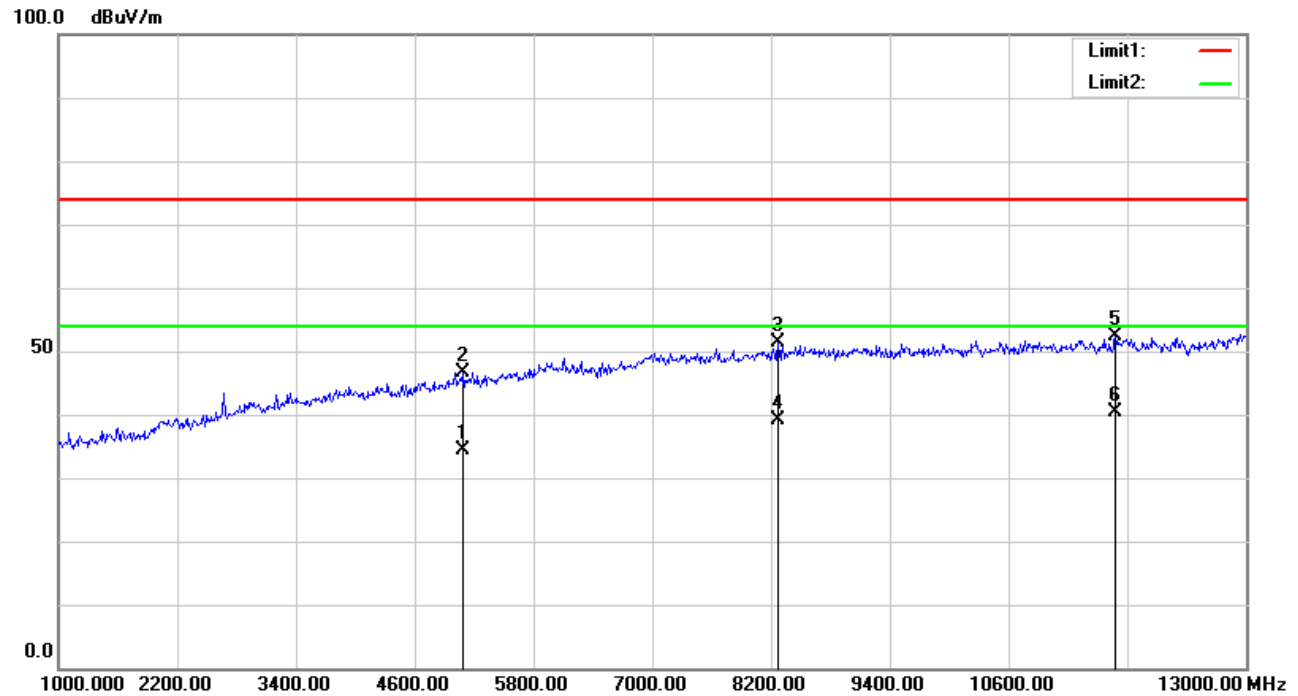
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	27.45	peak	1.46	28.91	40.00	11.09
2	161.9200	29.49	peak	-6.24	23.25	43.50	20.25
3	290.9300	30.97	peak	-3.84	27.13	46.00	18.87
4	475.2300	32.32	peak	-0.48	31.84	46.00	14.16
5	773.0200	28.02	peak	3.69	31.71	46.00	14.29
6	923.3700	33.03	peak	-0.42	32.61	46.00	13.39

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

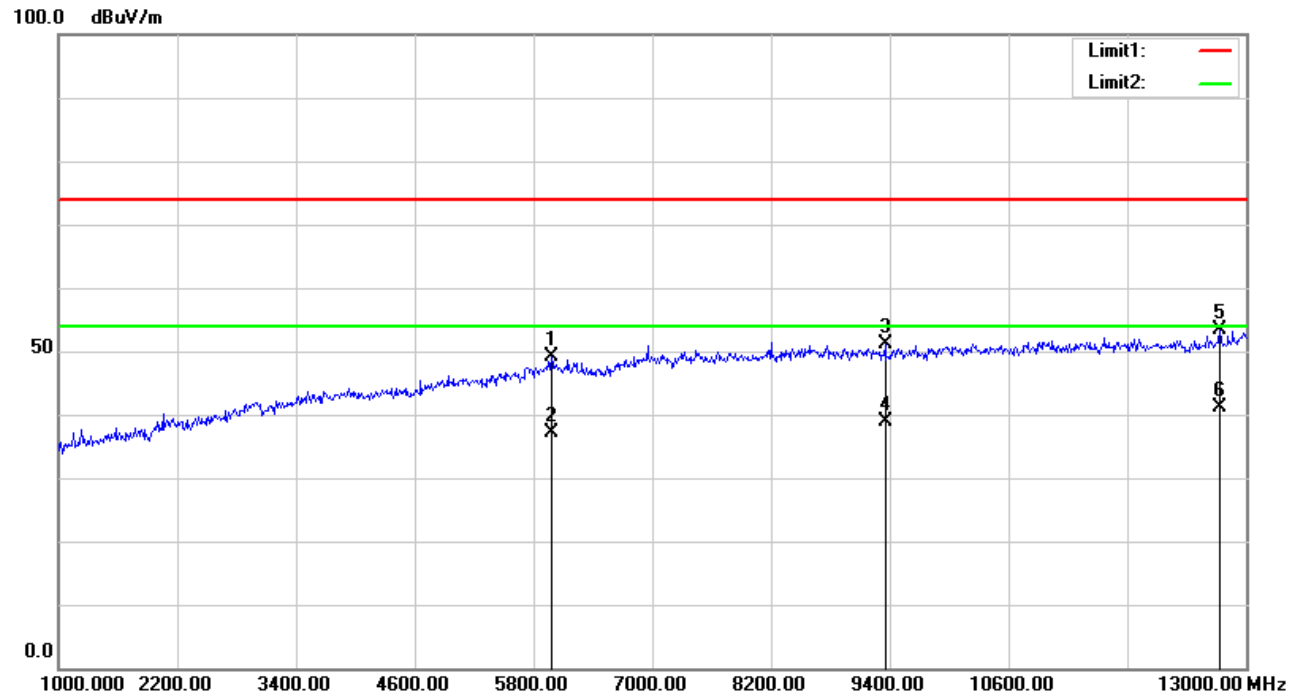
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	5092.000	23.10	peak	11.30	34.40	74.00	39.60
2	5092.000	35.29	AVG	11.30	46.59	54.00	7.41
3	8278.000	35.30	peak	16.06	51.36	74.00	22.64
4	8278.000	23.02	AVG	16.06	39.08	54.00	14.92
5	11680.000	32.13	peak	20.26	52.39	74.00	21.61
6	11680.000	20.05	AVG	20.26	40.31	54.00	13.69

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

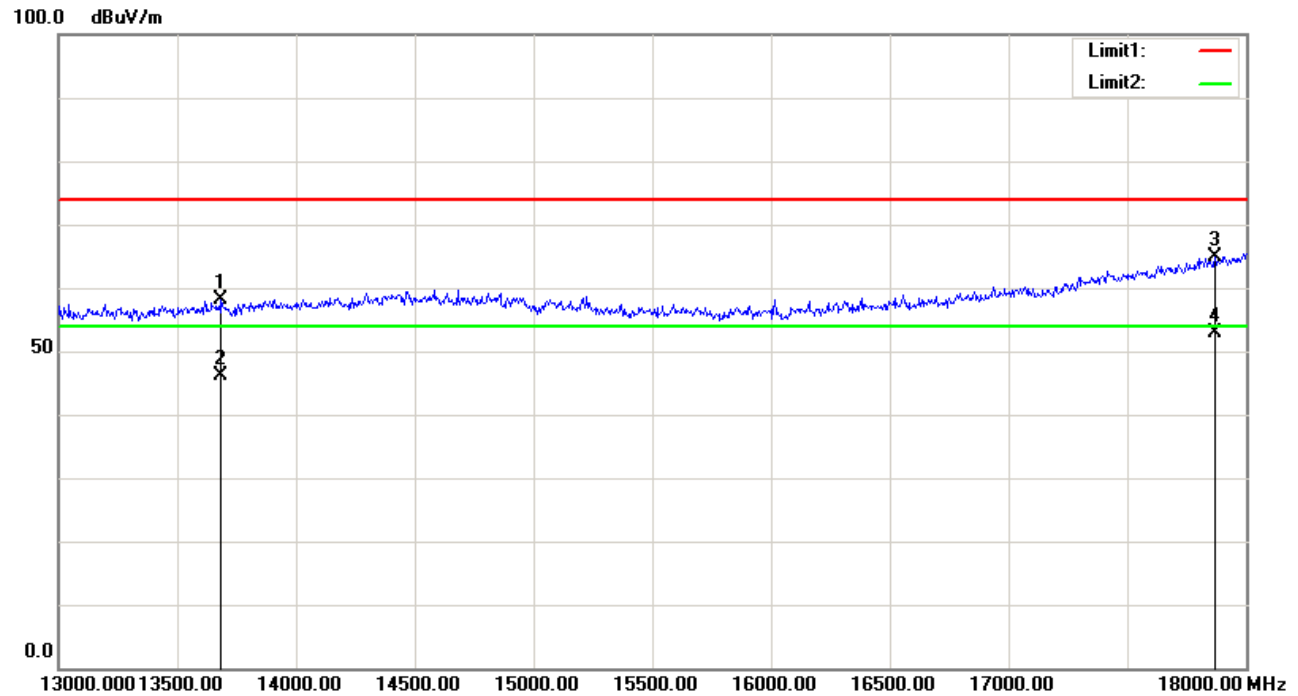
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	5986.000	35.11	peak	14.00	49.11	74.00	24.89
2	5986.000	23.10	AVG	14.00	37.10	54.00	16.90
3	9352.000	33.10	peak	17.95	51.05	74.00	22.95
4	9352.000	21.01	AVG	17.95	38.96	54.00	15.04
5	12736.000	32.36	peak	21.05	53.41	74.00	20.59
6	12736.000	20.03	AVG	21.05	41.08	54.00	12.92

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

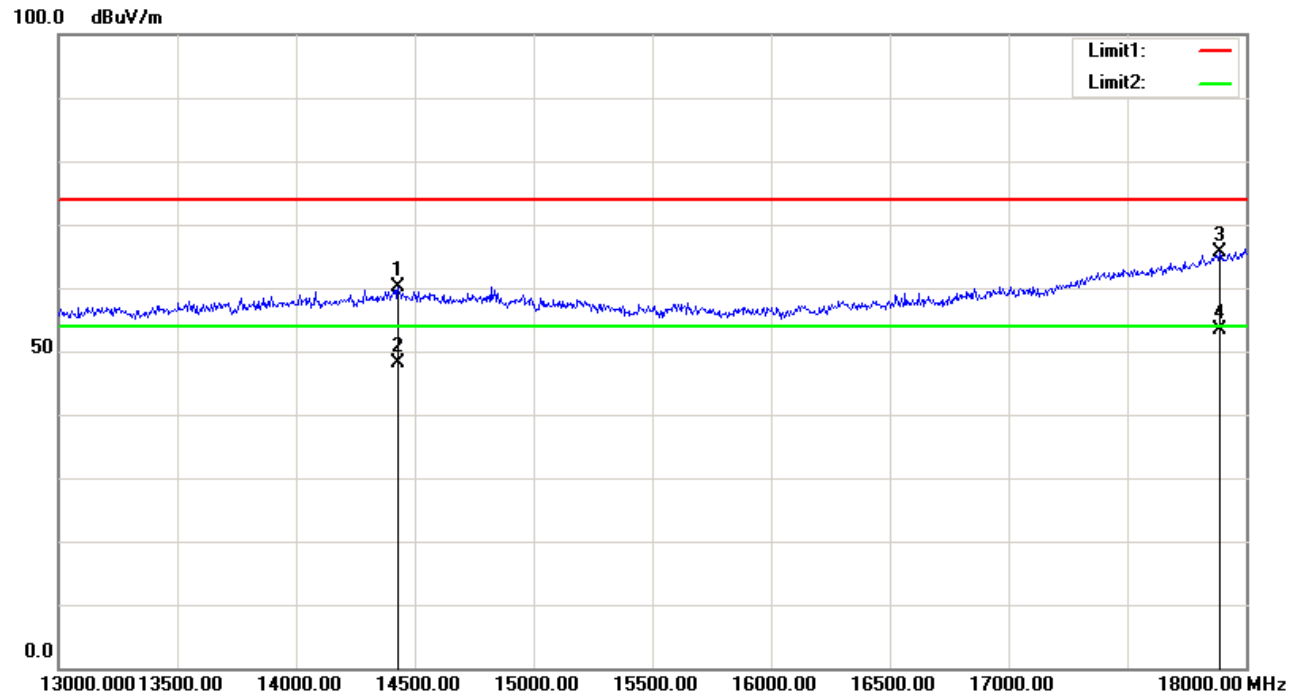
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	13687.500	34.91	peak	23.23	58.14	74.00	15.86
2	13687.500	22.87	AVG	23.23	46.10	54.00	7.90
3	17870.000	33.95	peak	30.97	64.92	74.00	9.08
4	17870.000	21.91	AVG	30.97	52.88	54.00	1.12

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

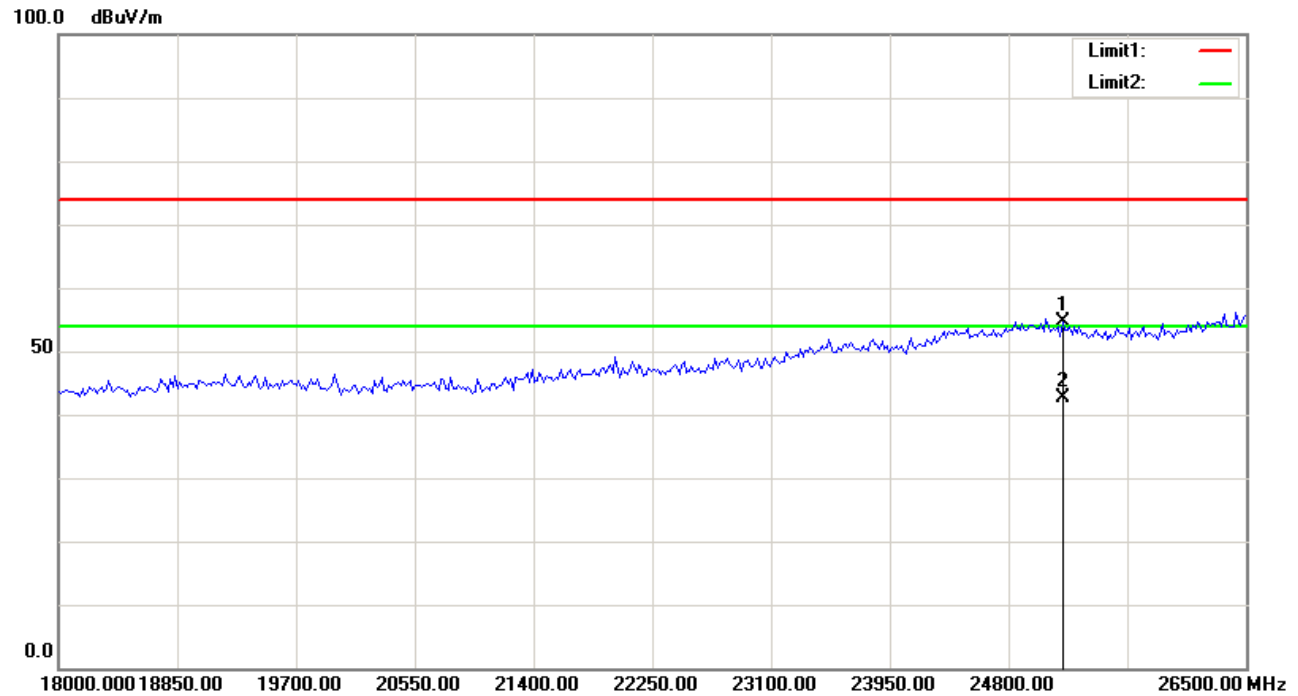
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	14430.000	35.29	peak	24.93	60.22	74.00	13.78
2	14430.000	23.18	AVG	24.93	48.11	54.00	5.89
3	17892.500	34.40	peak	31.12	65.52	74.00	8.48
4	17892.500	22.34	AVG	31.12	53.46	54.00	0.54

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

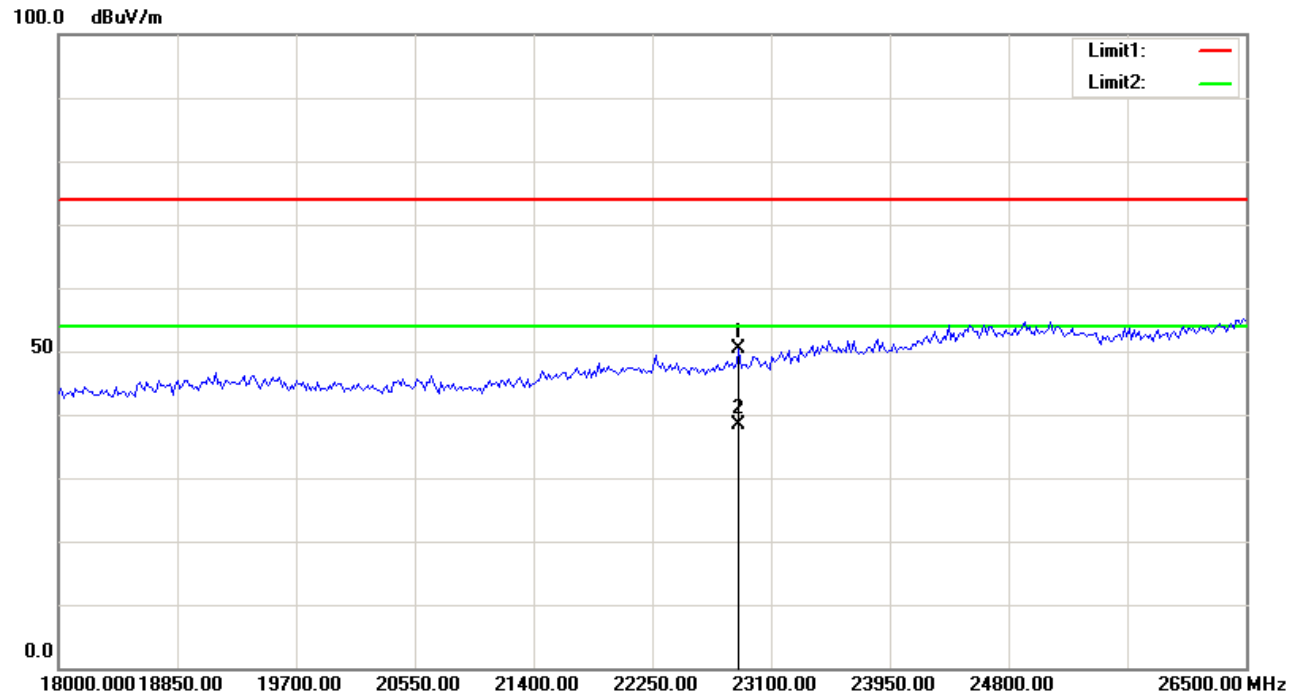
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	25188.377	40.57	peak	14.16	54.73	74.00	19.27
2	25188.377	28.35	AVG	14.16	42.51	54.00	11.49

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

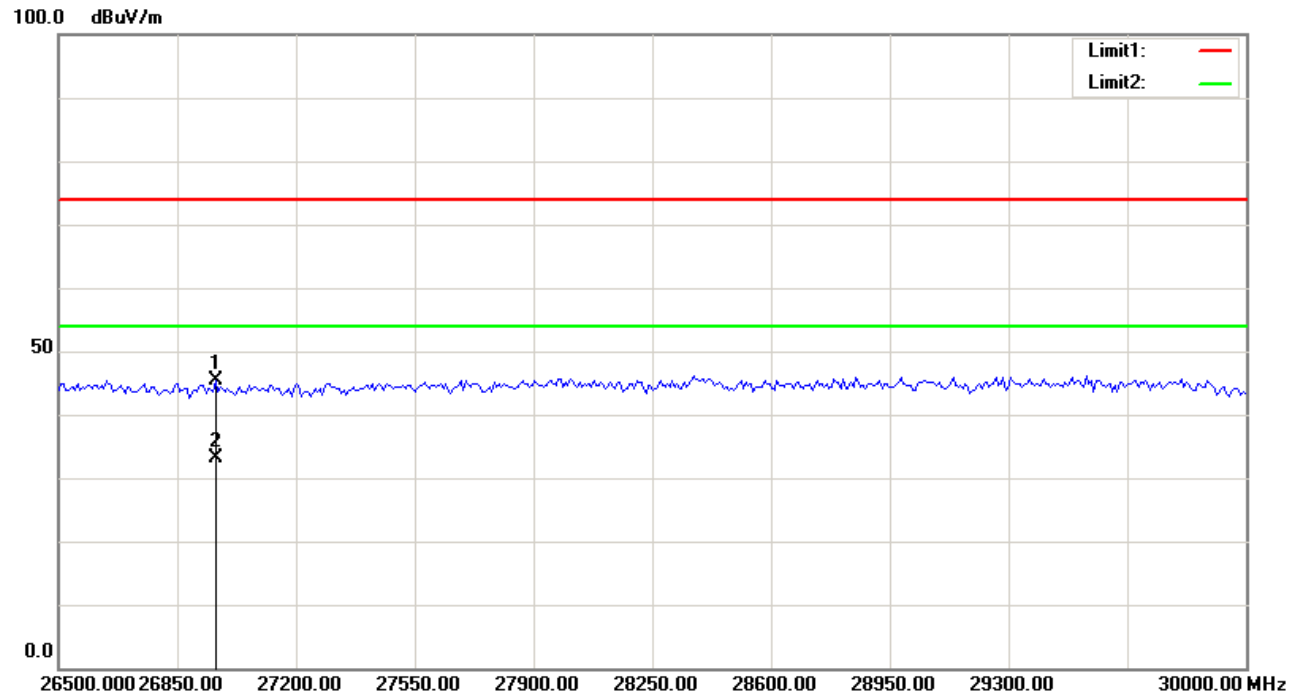
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	22871.744	41.23	peak	9.25	50.48	74.00	23.52
2	22871.744	29.11	AVG	9.25	38.36	54.00	15.64

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

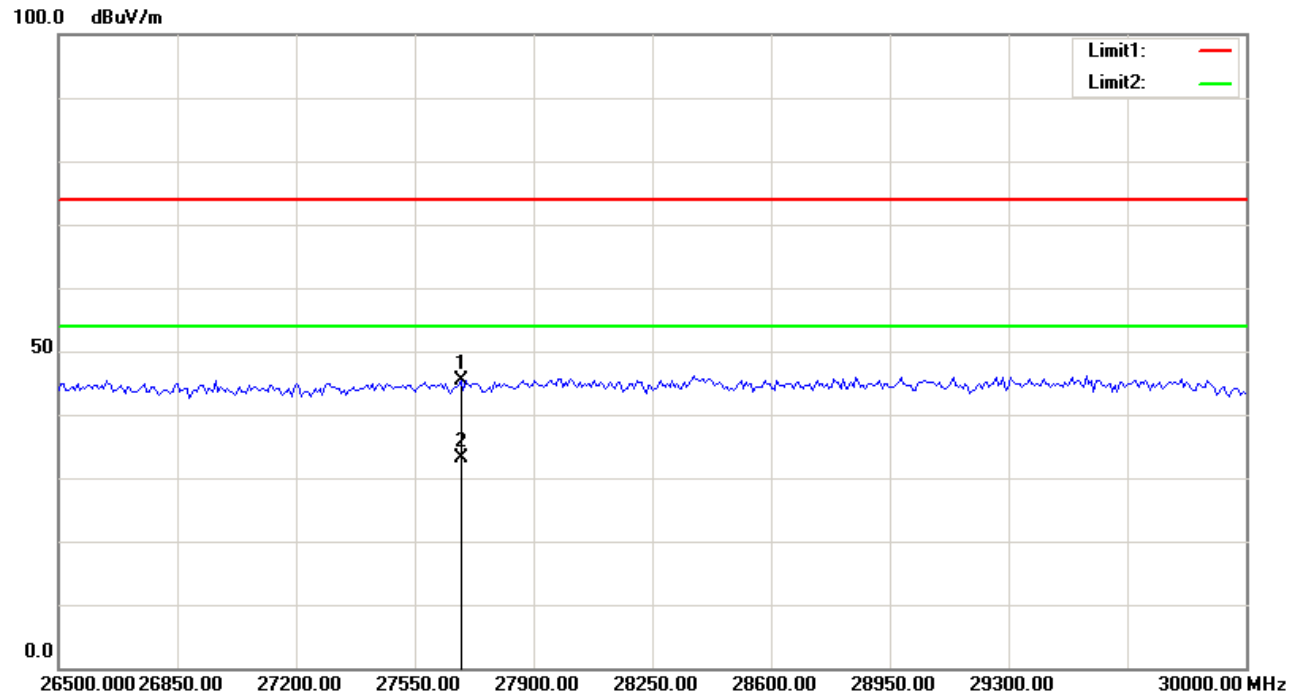
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 1m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	26962.926	45.27	peak	0.00	45.27	74.00	28.73
2	26962.926	33.15	AVG	0.00	33.15	54.00	20.85

Condition: FCC Part 15B Class B
Test Mode: TC1(Worst mode)

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



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	27685.371	45.46	peak	0.00	45.46	74.00	28.54
2	27685.371	33.24	AVG	0.00	33.24	54.00	20.76

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