



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 15B

TEST REPORT

For

INGENICO

9 Avenue de la gare - Rovaltain TGV BP25156 26958 Valence Cedex 9, France

FCC ID: XKB-EX8CL4GWB

Report Type: Original Report	Product Type: Smart POS Terminal
Test Engineer:	Walker Chen, Joker Chen, Lee Li <i>Walker Chen Joker Chen Lee Li</i>
Report Number:	RXM210324050-00B
Report Date:	2021-05-12
Reviewed By:	Ivan Cao Assistant Manager <i>Ivan Cao</i>
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.12, Pulong East 1 st Road, Tangxia Town, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

TABLE OF CONTENTS

General Information	3
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
OBJECTIVE	3
TEST METHODOLOGY	3
MEASUREMENT UNCERTAINTY	4
TEST FACILITY	4
DECLARATIONS	4
System Test Configuration	5
DESCRIPTION OF TEST CONFIGURATION	5
EQUIPMENT MODIFICATIONS	5
EUT EXERCISE SOFTWARE	5
SUPPORT CABLE LIST AND DETAILS	5
BLOCK DIAGRAM OF TEST SETUP	5
TEST EQUIPMENT LIST	6
ENVIRONMENTAL CONDITIONS	6
Summary of Test Results	7
Conducted emissions	8
EUT SETUP	8
EMI TEST RECEIVER SETUP	8
TEST PROCEDURE	9
CORRECTED AMPLITUDE & MARGIN CALCULATION	9
TEST DATA	10
Radiated emissions	14
EUT SETUP	14
EMI TEST RECEIVER SETUP	15
TEST PROCEDURE	15
CORRECTED AMPLITUDE & MARGIN CALCULATION	15
TEST DATA	16

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:		Smart POS Terminal
EUT Model:		AXIUM EX8000
Operation Frequency:		13.56 MHz
Rated Input Voltage:		DC 3.85Vdc 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:	A8-0502000U-US3
	Input:	100-240Vac 50/60Hz 0.35A
	Output:	5.0Vdc 2.0A
Serial Number:		RXM210324050-RF-S1
EUT Received Date:		2021.03.24
EUT Received Status:		Good

*Note: this model have two configuration: with Scanner Reader or without Scanner Reader, the different of the two configuration please refer to Declaration Letter which was provided by manufacturer.
Test only performed at With Scanner Reader.*

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.

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.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

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
1	Adapter#1
2	Adapter#2

Equipment Modifications

No modification was made to the EUT.

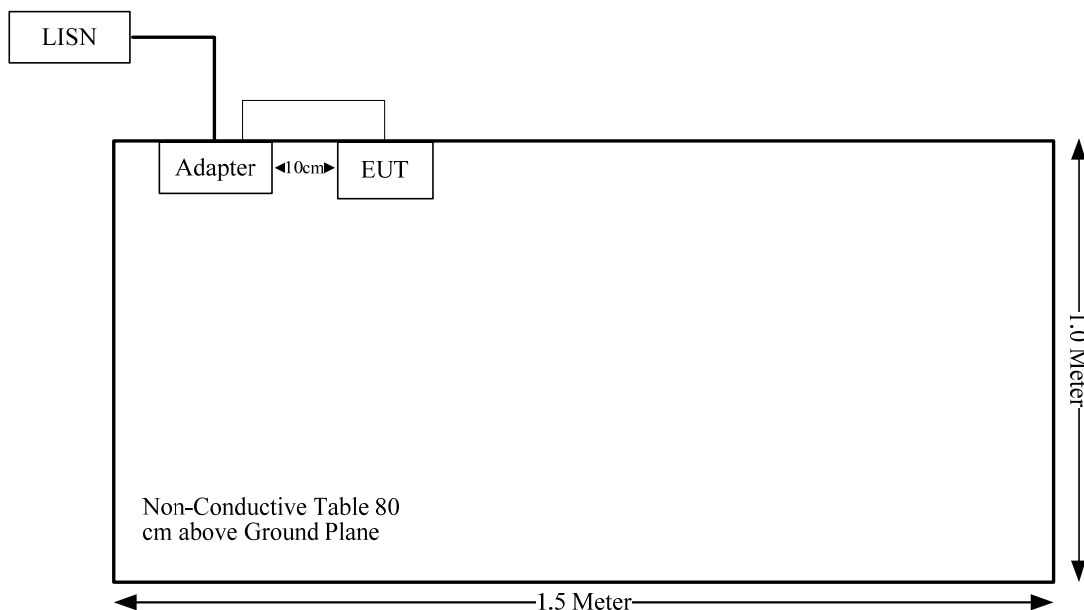
EUT Exercise Software

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	2020-11-10	2023-11-10
R&S	EMI Test Receiver	ESR3	102453	2020-09-12	2021-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2020-05-06	2021-05-06
HP	Amplifier	8447D	2727A05902	2020-09-05	2021-09-05
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	2020-12-05	2023-12-04
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2020-12-05	2023-12-04
R&S	Spectrum Analyzer	FSP 38	100478	2020-07-07	2021-07-07
Agilent	Spectrum Analyzer	E4440A	SG43360054	2020-07-07	2021-07-07
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2020-06-27	2021-06-27
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2020-09-05	2021-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2020-06-27	2021-06-27
Sinoscite	Bandstop Filters	BSF5150-5850MN-0899-003	0899003	2020-05-06	2021-05-06
E-Microwave	Band-stop Filters	OBSF-2400-2483.5-S	OE01601525	2020-06-16	2021-06-16
Mini Circuits	High Pass Filter	VHF-6010+	31118	2020-06-16	2021-06-16

* 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

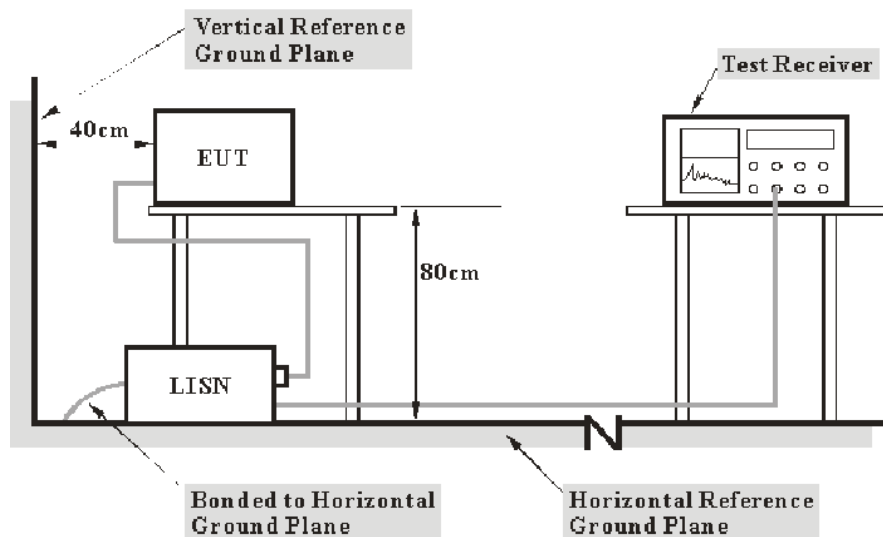
Test Item:	Conducted emissions	Radiated emissions (Below 1GHz)	Radiated emissions (Above 1GHz)
Temperature:	24.9°C	26.2°C	25.1°C
Relative Humidity:	65%	54%	53%
ATM Pressure:	100.7 kPa	100.7 kPa	101.9 kPa
Tester:	Walker Chen	Joker Chen	Lee Li
Test Date:	2021-04-15	2021-04-16	2021-04-10

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

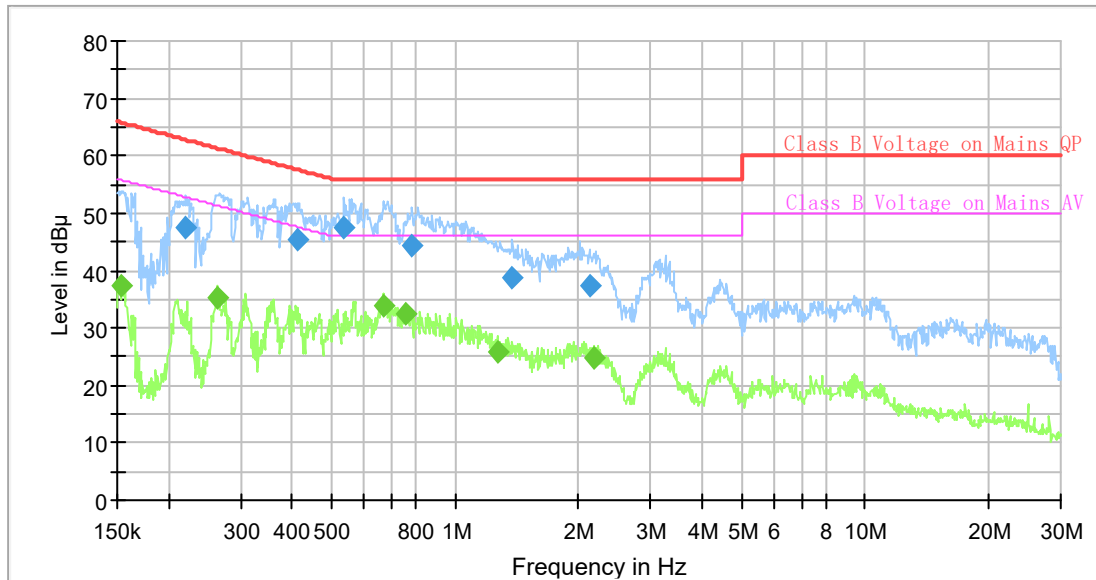
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit – Result

Test Data

Please refer to following table and plots:

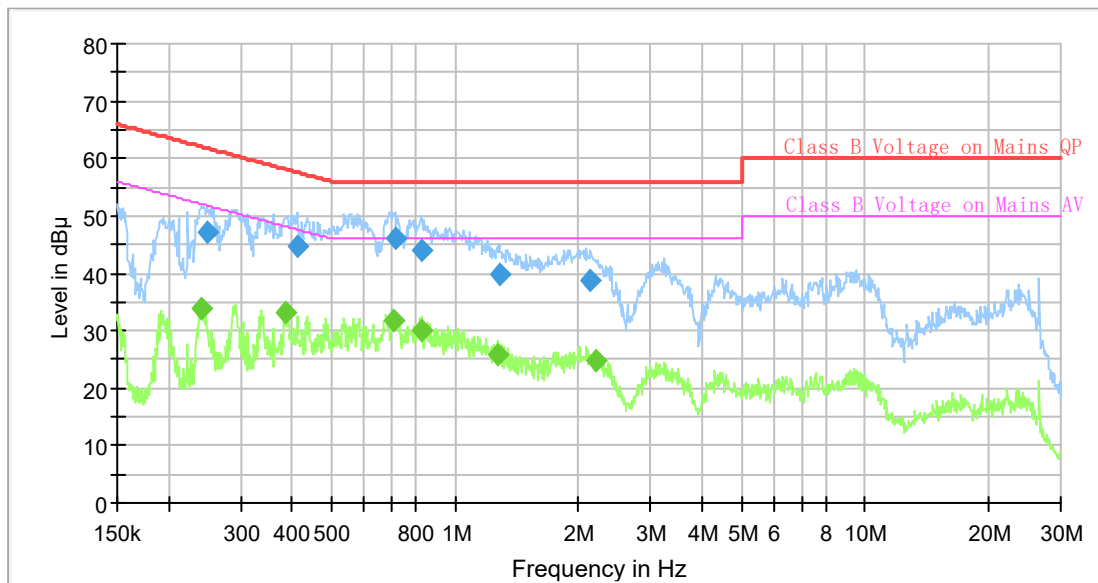
Port: L
 Test Mode: TC1
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.153788	---	37.38	55.79	18.41	9.000	L1	9.6
0.220231	47.52	---	62.81	15.29	9.000	L1	9.6
0.263546	---	35.33	51.32	15.99	9.000	L1	9.6
0.414923	45.54	---	57.55	12.01	9.000	L1	9.6
0.535103	47.34	---	56.00	8.66	9.000	L1	9.6
0.666413	---	33.79	46.00	12.21	9.000	L1	9.6
0.754910	---	32.61	46.00	13.39	9.000	L1	9.7
0.785640	44.50	---	56.00	11.50	9.000	L1	9.7
1.268136	---	25.86	46.00	20.14	9.000	L1	9.7
1.380348	38.91	---	56.00	17.09	9.000	L1	9.7
2.130277	37.21	---	56.00	18.79	9.000	L1	9.7
2.184069	---	24.78	46.00	21.22	9.000	L1	9.7

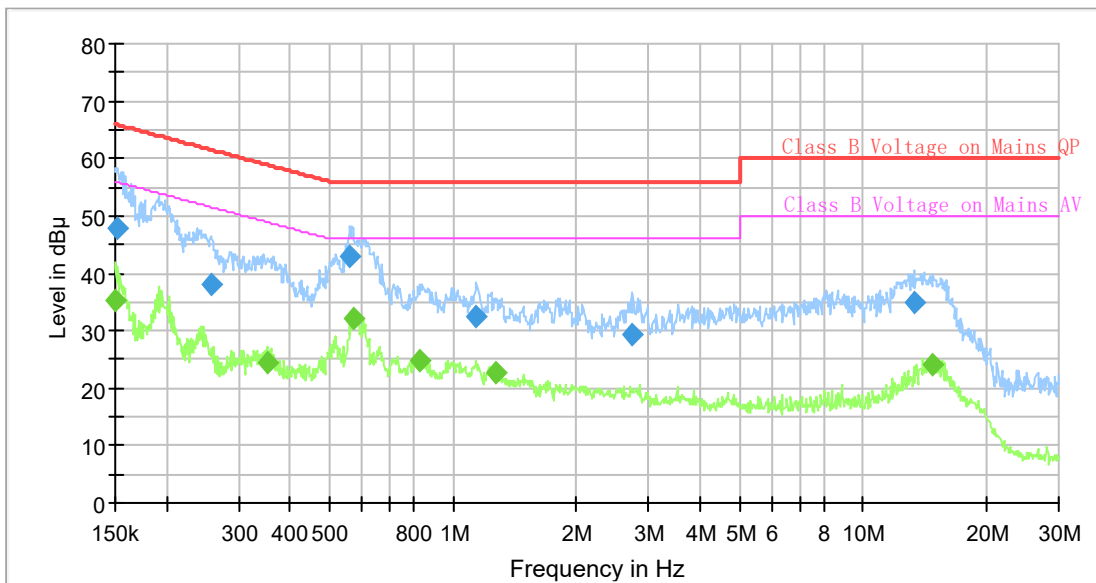
Port: N
 Test Mode: TC1
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.239718	---	33.84	52.11	18.27	9.000	N	9.6
0.248235	47.23	---	61.82	14.59	9.000	N	9.6
0.386939	---	33.07	48.13	15.06	9.000	N	9.6
0.410805	44.79	---	57.63	12.84	9.000	N	9.6
0.711054	---	31.89	46.00	14.11	9.000	N	9.6
0.714609	46.10	---	56.00	9.90	9.000	N	9.6
0.825818	44.11	---	56.00	11.89	9.000	N	9.6
0.829947	---	30.08	46.00	15.92	9.000	N	9.6
1.268136	---	25.81	46.00	20.19	9.000	N	9.6
1.280849	39.70	---	56.00	16.30	9.000	N	9.6
2.140929	38.76	---	56.00	17.24	9.000	N	9.6
2.205965	---	24.82	46.00	21.18	9.000	N	9.6

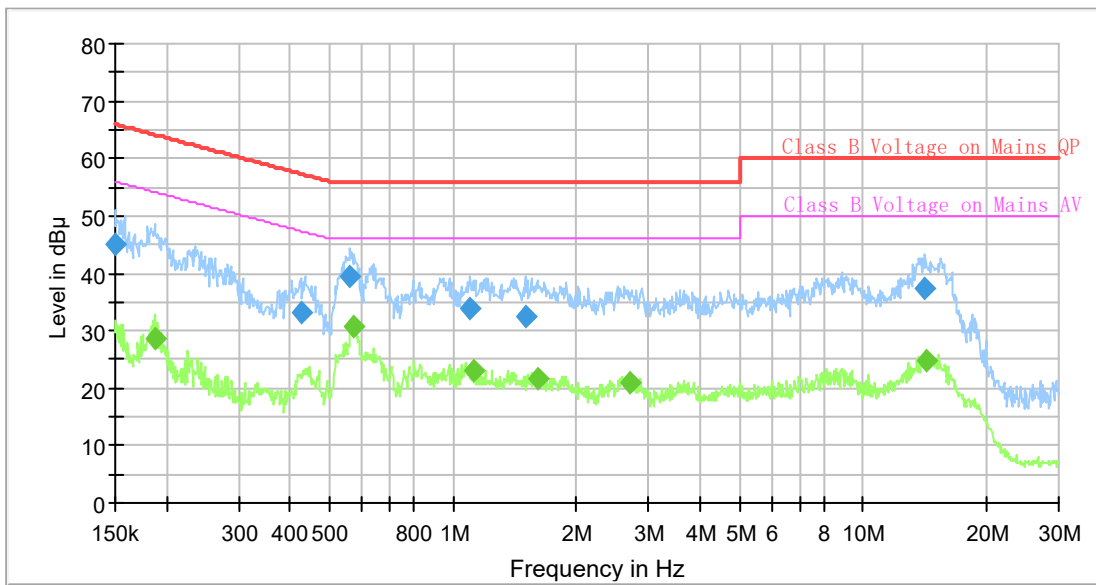
Port: L
 Test Mode: TC2
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	---	35.18	56.00	20.82	9.000	L1	9.6
0.152261	47.89	---	65.88	17.99	9.000	L1	9.6
0.257055	38.00	---	61.53	23.53	9.000	L1	9.6
0.351956	---	24.60	48.92	24.32	9.000	L1	9.6
0.562468	43.11	---	56.00	12.89	9.000	L1	9.6
0.570947	---	32.06	46.00	13.94	9.000	L1	9.6
0.829947	---	24.84	46.00	21.16	9.000	L1	9.7
1.142032	32.39	---	56.00	23.61	9.000	L1	9.7
1.268136	---	22.67	46.00	23.33	9.000	L1	9.7
2.747295	29.50	---	56.00	26.50	9.000	L1	9.7
13.285588	34.97	---	60.00	25.03	9.000	L1	10.1
14.752583	---	23.95	50.00	26.05	9.000	L1	10.2

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



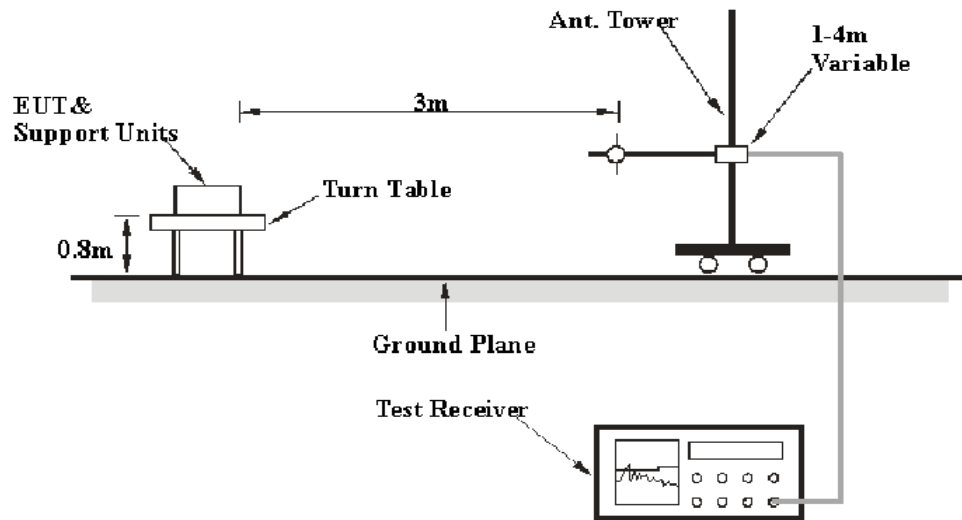
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	45.17	---	66.00	20.83	9.000	N	9.6
0.186809	---	28.72	54.18	25.46	9.000	N	9.6
0.425401	33.28	---	57.34	24.06	9.000	N	9.6
0.562468	39.36	---	56.00	16.64	9.000	N	9.6
0.573802	---	30.66	46.00	15.34	9.000	N	9.6
1.102849	33.75	---	56.00	22.25	9.000	N	9.6
1.119474	---	23.19	46.00	22.81	9.000	N	9.6
1.502491	32.48	---	56.00	23.52	9.000	N	9.6
1.611153	---	21.57	46.00	24.43	9.000	N	9.6
2.706494	---	20.85	46.00	25.15	9.000	N	9.6
14.175539	37.32	---	60.00	22.68	9.000	N	9.8
14.317649	---	24.79	50.00	25.21	9.000	N	9.9

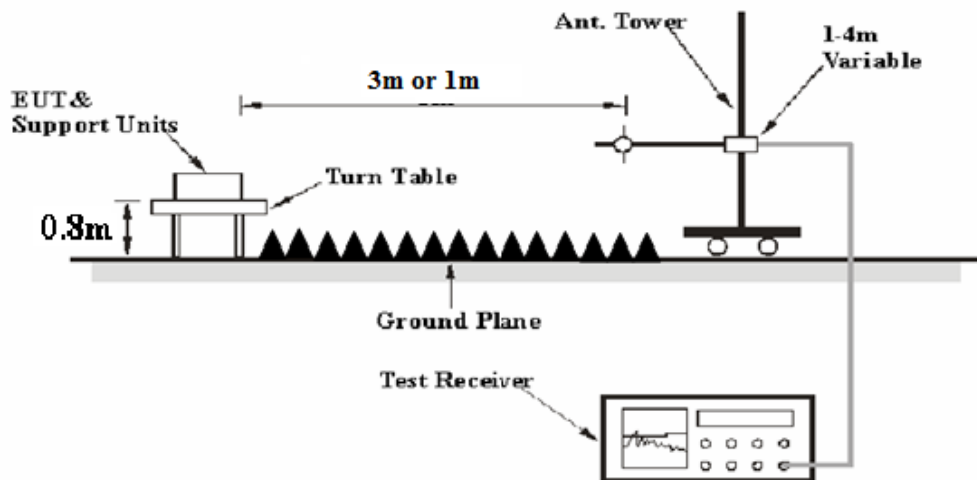
RADIATED EMISSIONS

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:

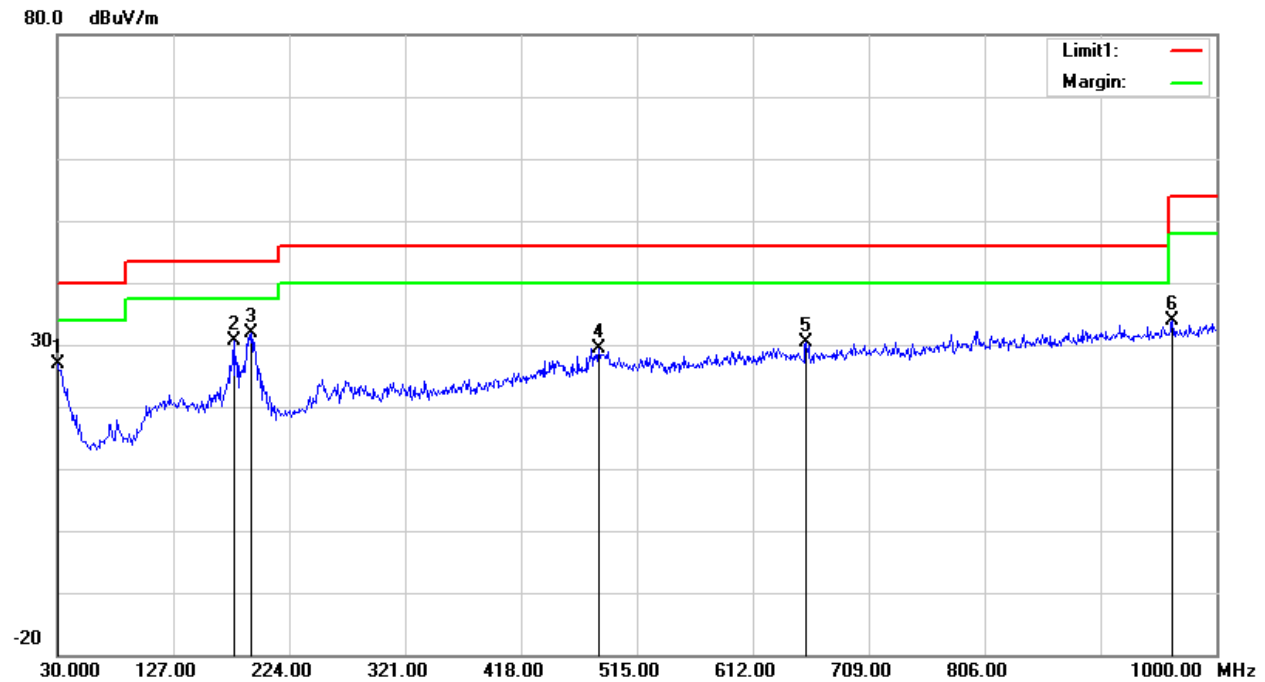
$$\text{Margin} = \text{Limit} - \text{Result}$$

Test Data

Please refer to following table and plots:

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

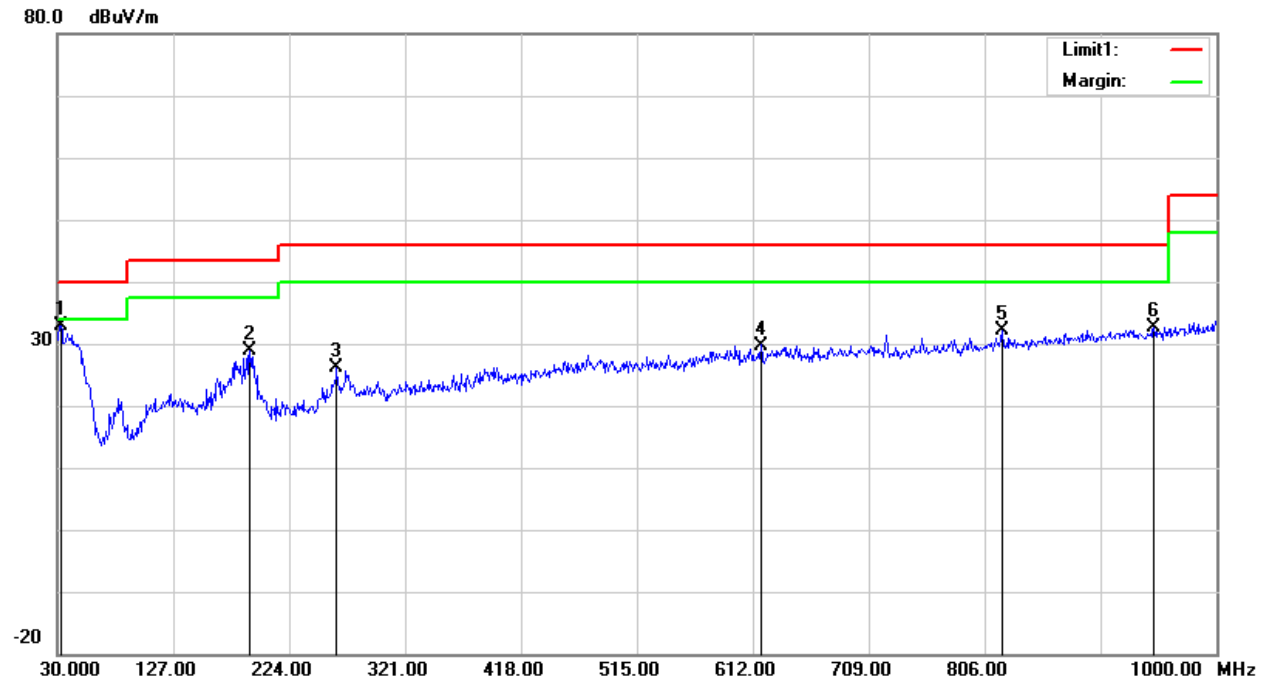
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	25.35	peak	1.46	26.81	40.00	13.19
2	177.4400	37.72	peak	-7.01	30.71	43.50	12.79
3	191.9900	38.70	peak	-6.89	31.81	43.50	11.69
4	482.9900	29.82	peak	-0.32	29.50	46.00	16.50
5	656.6200	28.74	peak	1.61	30.35	46.00	15.65
6	963.1400	33.78	peak	0.10	33.88	54.00	20.12

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

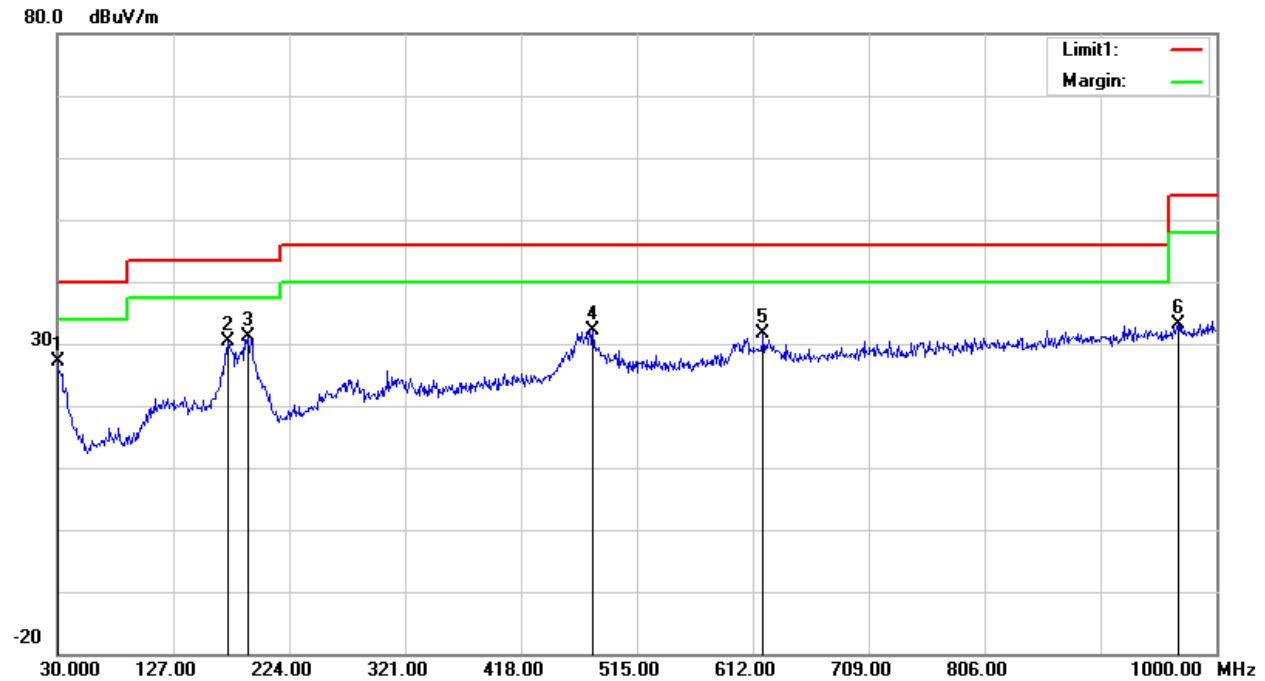
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	32.9100	33.68	peak	-0.76	32.92	40.00	7.08
2	191.0200	35.80	peak	-6.94	28.86	43.50	14.64
3	263.7700	30.60	peak	-4.55	26.05	46.00	19.95
4	618.7900	28.65	peak	1.10	29.75	46.00	16.25
5	820.5500	27.84	peak	4.31	32.15	46.00	13.85
6	947.6200	32.69	peak	-0.12	32.57	46.00	13.43

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

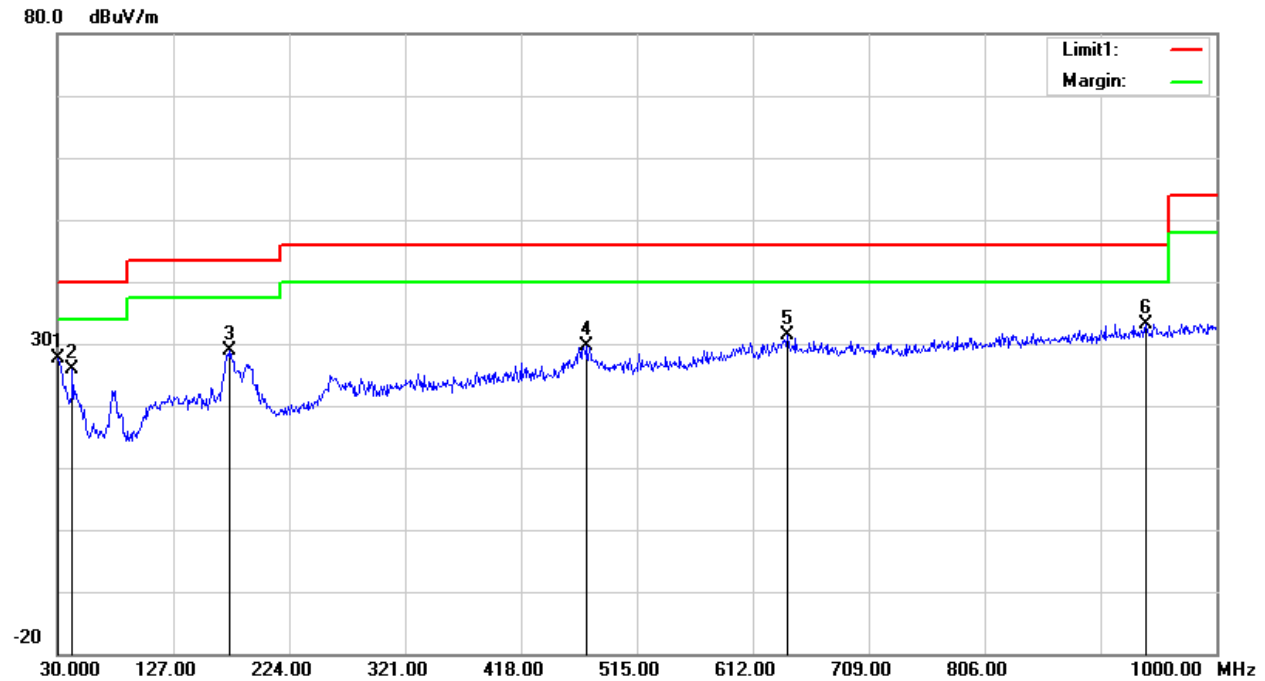
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	25.65	peak	1.46	27.11	40.00	12.89
2	172.5900	37.31	peak	-6.96	30.35	43.50	13.15
3	189.0800	38.18	peak	-7.00	31.18	43.50	12.32
4	478.1400	32.48	peak	-0.40	32.08	46.00	13.92
5	620.7300	30.55	peak	1.18	31.73	46.00	14.27
6	967.9900	32.77	peak	0.24	33.01	54.00	20.99

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

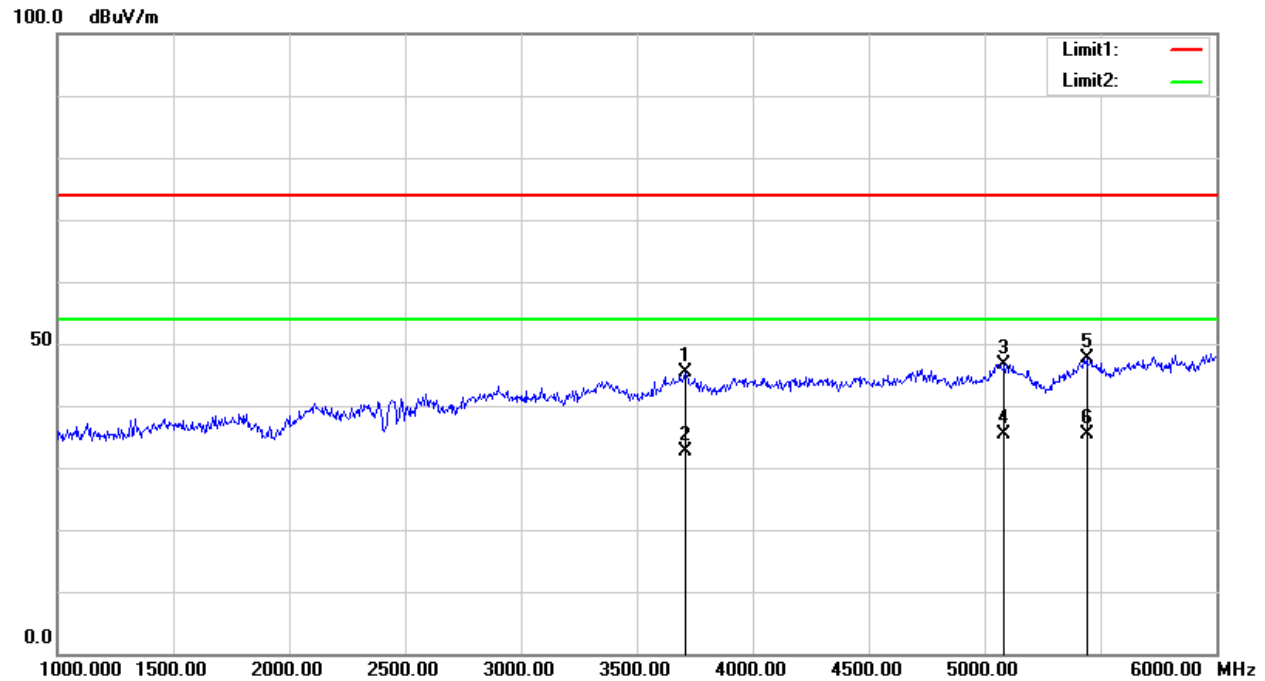
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	26.06	peak	1.46	27.52	40.00	12.48
2	42.6100	33.82	peak	-7.86	25.96	40.00	14.04
3	174.5300	35.84	peak	-7.01	28.83	43.50	14.67
4	473.2900	30.01	peak	-0.50	29.51	46.00	16.49
5	641.1000	29.59	peak	1.90	31.49	46.00	14.51
6	940.8300	33.25	peak	-0.15	33.10	46.00	12.90

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

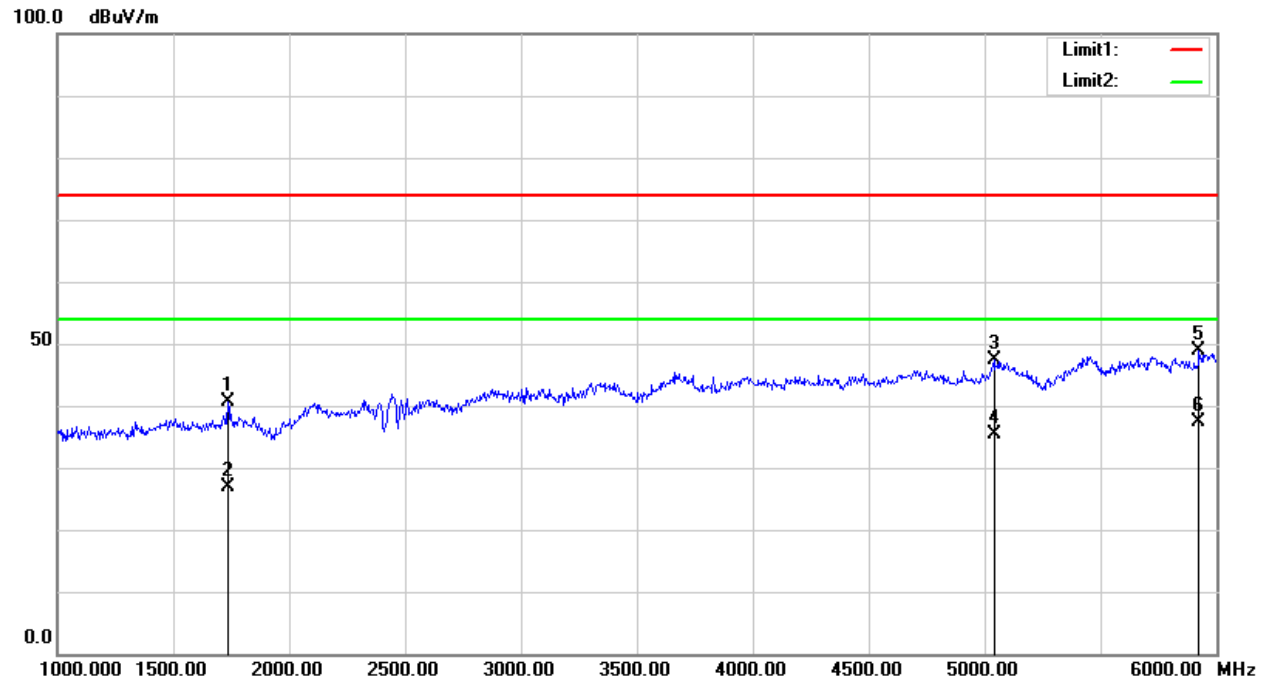
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	3712.500	36.83	peak	8.44	45.27	74.00	28.73
2	3712.500	24.11	AVG	8.44	32.55	54.00	21.45
3	5085.000	35.42	peak	11.28	46.70	74.00	27.30
4	5085.000	24.12	AVG	11.28	35.40	54.00	18.60
5	5442.500	35.27	peak	12.24	47.51	74.00	26.49
6	5442.500	23.03	AVG	12.24	35.27	54.00	18.73

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

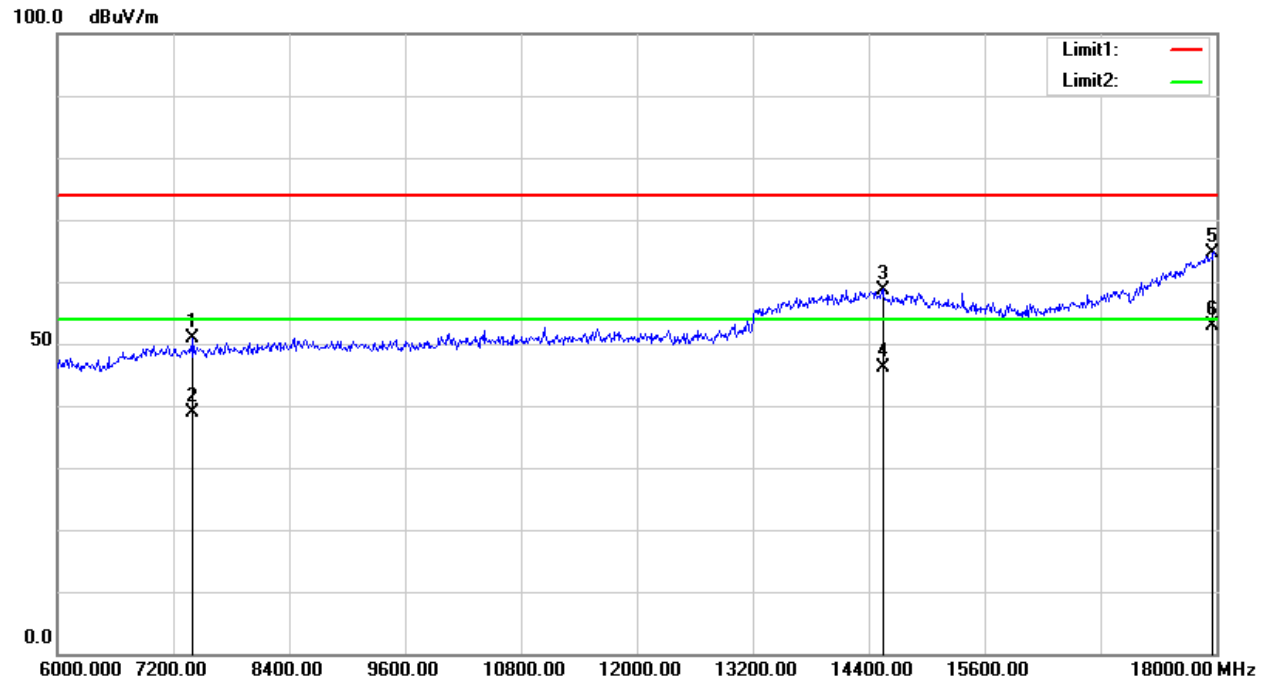
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1735.000	38.56	peak	2.03	40.59	74.00	33.41
2	1735.000	24.89	AVG	2.03	26.92	54.00	27.08
3	5040.000	36.29	peak	11.06	47.35	74.00	26.65
4	5040.000	24.23	AVG	11.06	35.29	54.00	18.71
5	5925.000	35.19	peak	13.80	48.99	74.00	25.01
6	5925.000	23.69	AVG	13.80	37.49	54.00	16.51

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

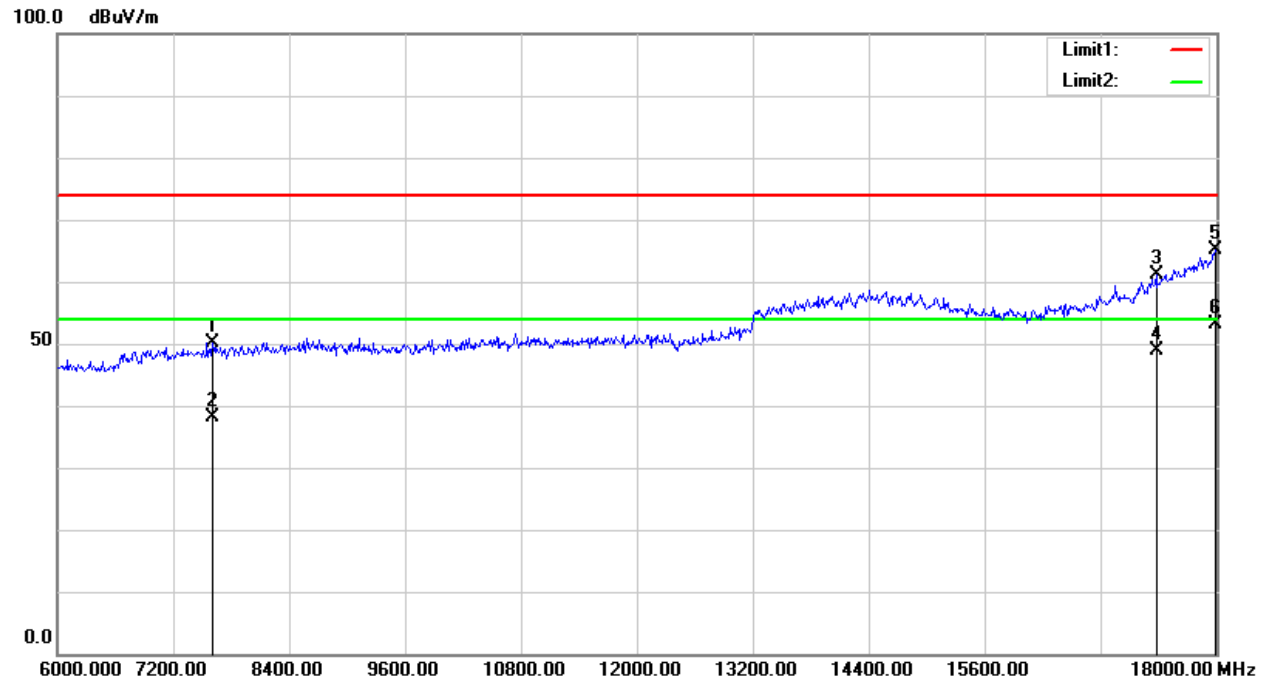
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	7404.000	36.03	peak	14.92	50.95	74.00	23.05
2	7404.000	24.01	AVG	14.92	38.93	54.00	15.07
3	14550.000	33.76	peak	24.99	58.75	74.00	15.25
4	14550.000	21.23	AVG	24.99	46.22	54.00	7.78
5	17970.000	33.10	peak	31.65	64.75	74.00	9.25
6	17970.000	21.32	AVG	31.65	52.97	54.00	1.03

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

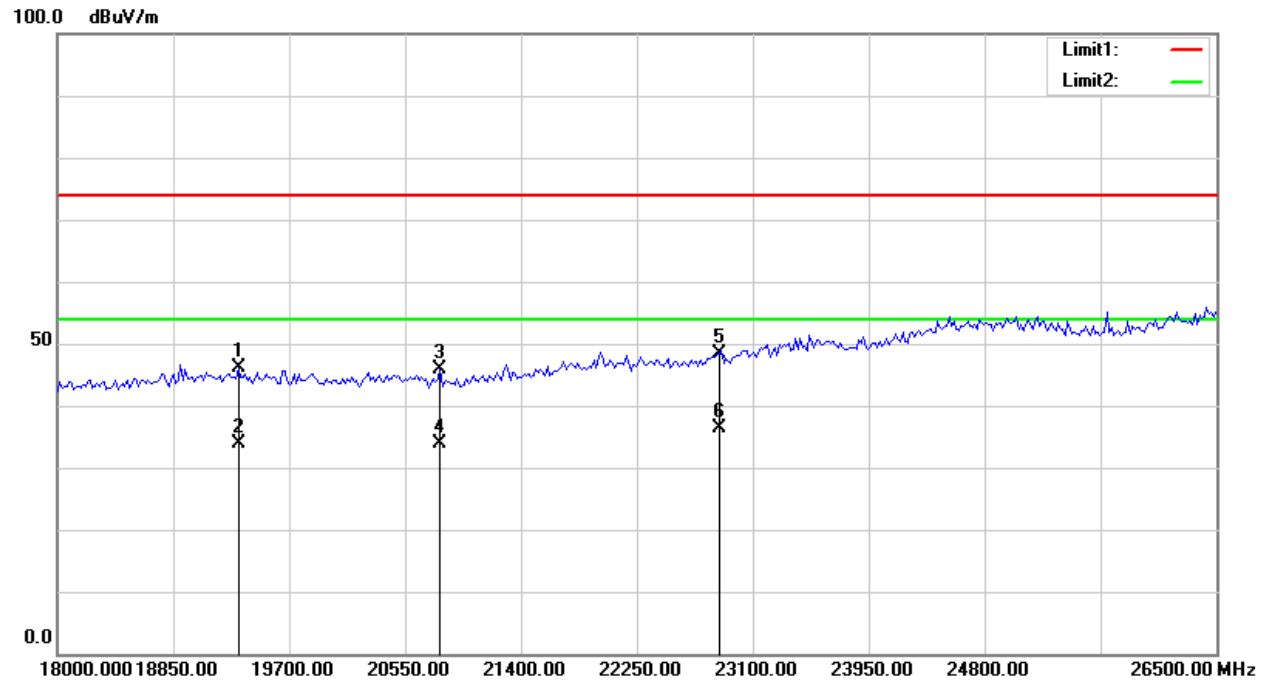
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	7608.000	35.06	peak	15.03	50.09	74.00	23.91
2	7608.000	23.02	AVG	15.03	38.05	54.00	15.95
3	17382.000	33.52	peak	27.66	61.18	74.00	12.82
4	17382.000	21.23	AVG	27.66	48.89	54.00	5.11
5	17988.000	33.27	peak	31.77	65.04	74.00	8.96
6	17988.000	21.32	AVG	31.77	53.09	54.00	0.91

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

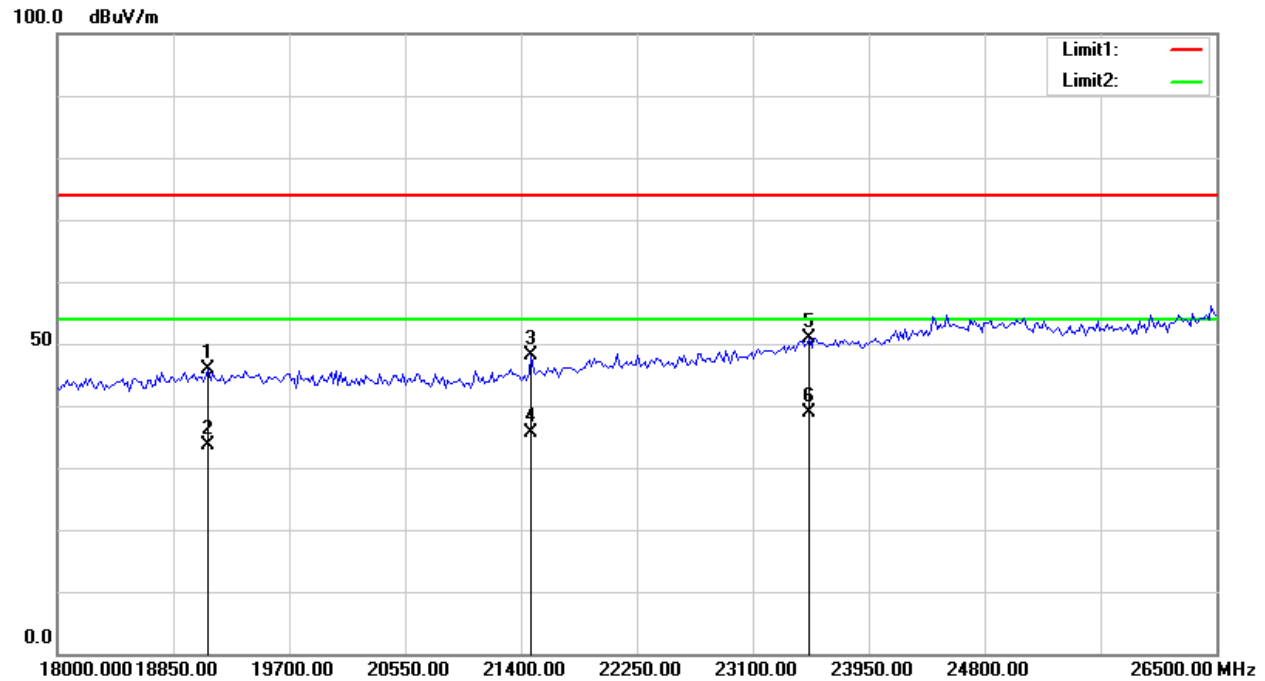
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	19328.657	40.40	peak	5.76	46.16	74.00	27.84
2	19328.657	28.12	AVG	5.76	33.88	54.00	20.12
3	20810.621	40.14	peak	5.78	45.92	74.00	28.08
4	20810.621	28.01	AVG	5.78	33.79	54.00	20.21
5	22854.709	39.11	peak	9.24	48.35	74.00	25.65
6	22854.709	27.06	AVG	9.24	36.30	54.00	17.70

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

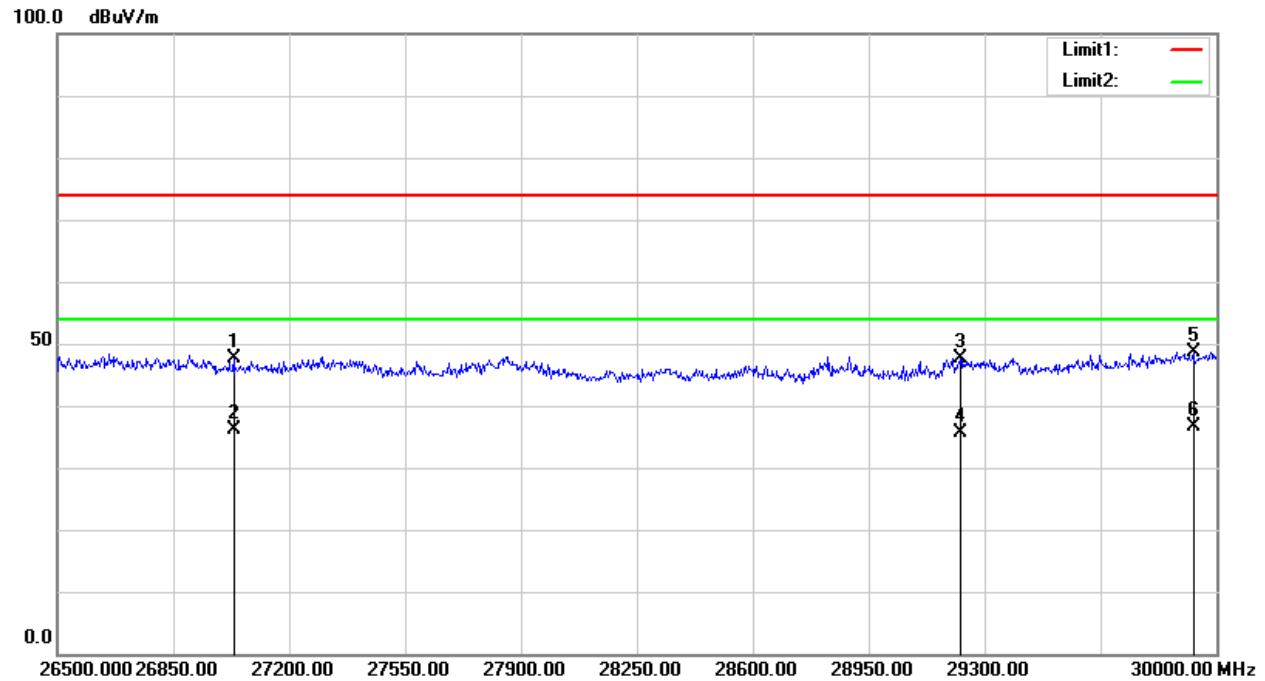
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	19107.214	40.28	peak	5.56	45.84	74.00	28.16
2	19107.214	28.12	AVG	5.56	33.68	54.00	20.32
3	21474.950	40.87	peak	7.27	48.14	74.00	25.86
4	21474.950	28.45	AVG	7.27	35.72	54.00	18.28
5	23519.038	39.39	peak	11.57	50.96	74.00	23.04
6	23519.038	27.36	AVG	11.57	38.93	54.00	15.07

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

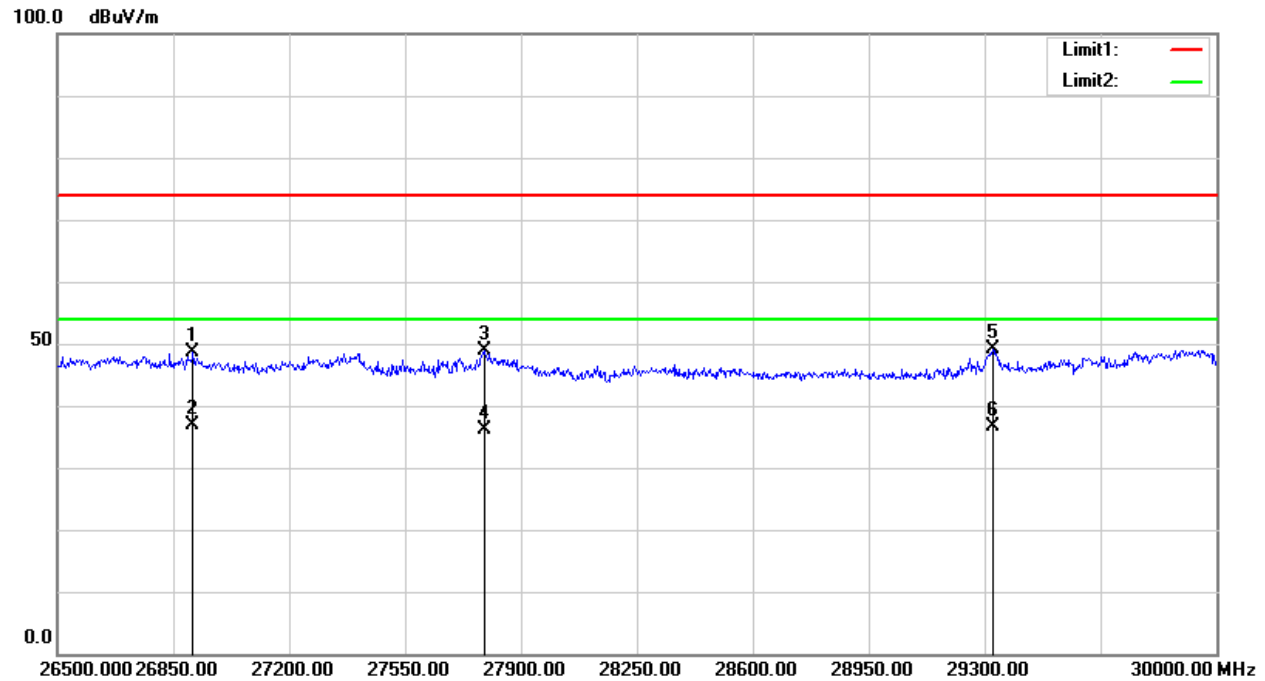
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 1m



No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	27032.000	36.27	peak	11.46	47.73	74.00	26.27
2	27032.000	24.56	AVG	11.46	36.02	54.00	17.98
3	29226.500	36.23	peak	11.52	47.75	74.00	26.25
4	29226.500	24.23	AVG	11.52	35.75	54.00	18.25
5	29931.750	34.96	peak	13.67	48.63	74.00	25.37
6	29931.750	22.96	AVG	13.67	36.63	54.00	17.37

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

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



No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	26911.250	37.04	peak	11.51	48.55	74.00	25.45
2	26911.250	25.38	AVG	11.51	36.89	54.00	17.11
3	27789.750	37.91	peak	10.89	48.80	74.00	25.20
4	27789.750	25.36	AVG	10.89	36.25	54.00	17.75
5	29324.500	37.76	peak	11.48	49.24	74.00	24.76
6	29324.500	25.03	AVG	11.48	36.51	54.00	17.49

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