

FCC PART 15B

TEST REPORT

For

Xiamen Multi Gold Imp&Exp Co.,Ltd

No.56 Honglian Middle Road Siming District, Xiamen City, Fujian, China

FCC ID: 2AX4A-AIO

Report Type: Original Report	Product Type: Touch All in One Series
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Report Number:	RXM201023051-00B
Report Date:	2021-03-23
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:	Touch All in One Series
EUT Model:	MGYR21
Multiple Models:	MGYR10, MGYR15
Highest Operation Frequency:	2480 MHz
Rated Input Voltage:	DC 12V from adapter
Serial Number:	RXM201023051-RF-S1(Model: MGYR21) RXM201023051-RF- S2(Model: MGYR10) RXM201023051-RF- S3(Model: MGYR15)
EUT Received Date:	2020-10-23
EUT Received Status:	Good

Note: The series product, models MGYR21, MGYR10, MGYR15 are electrically identical, all 3 models was fully tested. The difference between them was explained in the declaration letter.

Objective

This report is prepared on behalf of **Xiamen Multi Gold Imp&Exp Co.,Ltd** in accordance with FCC Part 15B Part 2, Part J, and Part 15, Subpart A and B of the Federal Communications Commission's rules..

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

Related Submittal(s)/Grant(s)

FCC Part 15C DTS submissions with FCC ID: 2AX4A-AIO

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.

Measurement Uncertainty

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical 1G~6GHz: 4.45 dB, 6G~13GHz: 5.23 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.12, Pulong East 1st Road, Tangxia Town, 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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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 typical use mode.

Test Mode: Operating

Equipment Modifications

No modification was made to the EUT.

EUT Exercise Software

The software "Winthrax.exe" was used during test.

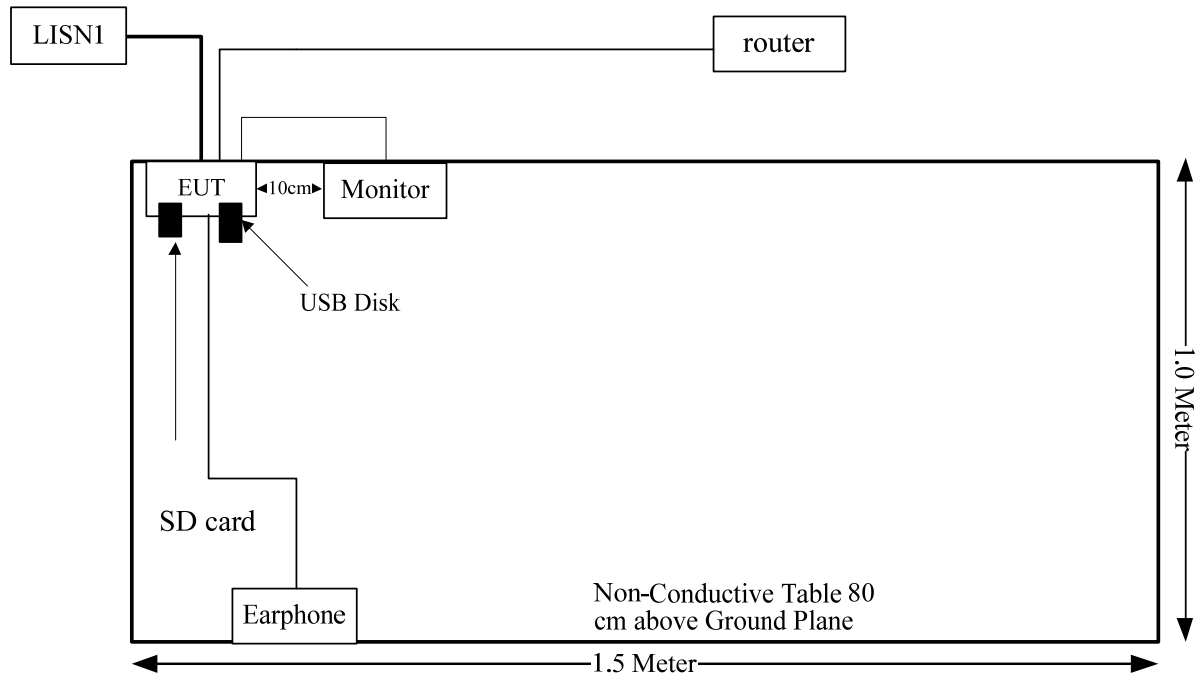
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
HUAWEI	Router	HG8245Q2	2102311RGB6RH1000053
SanDisk	Micro SD Card	UHS-I-128G	9292DVDSV0XZ
DELL	Monitor	U3011t	CN-OPH5NY-74445-16T-290L
Kingston	USB Disk	Z3	Z3-20182547
Keenion	Earphone	KDM-911	6951812200215

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	Yes	No	10	EUT	Router
HDMI Cable	Yes	Yes	1	EUT	Monitor
Adapter Cable	Yes	No	1.5	EUT	Adapter
earphone Cable	Yes	No	1.5	EUT	Earphone

Block Diagram of Test Setup



Test Equipment List

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted emissions					
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 emissions Below 1GHz					
Sunol Sciences	Antenna	JB3	A060611-2	2020-08-25	2023-08-25
R&S	EMI Test Receiver	ESCI	100224	2020-09-12	2021-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-02	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2020-09-24	2021-09-24
Sonoma	Amplifier	310N	185914	2020-10-13	2021-10-13
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Radiated emissions Above 1GHz					
TDK RF	Horn Antenna	HRN-0118	130 084	2018-10-12	2021-10-12
R&S	Spectrum Analyzer	FSP 38	100478	2020-07-07	2021-07-07
HUBER+SUHNER	Coaxial Cable	SUCOFLEX 126EA	MY369/26/26EA	2020-09-25	2021-09-25
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2020-09-05	2021-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

* 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:	23.5 °C	18.1 °C	26.5°C
Relative Humidity:	63 %	29%	49%
ATM Pressure:	101.2kPa	101.2kPa	100.9kPa
Tester:	Walker Chen	Joker Chen, Asa Chen, Leo Long	Jalon Liu
Test Date:	2021-03-15	2021-01-26	2020-11-21

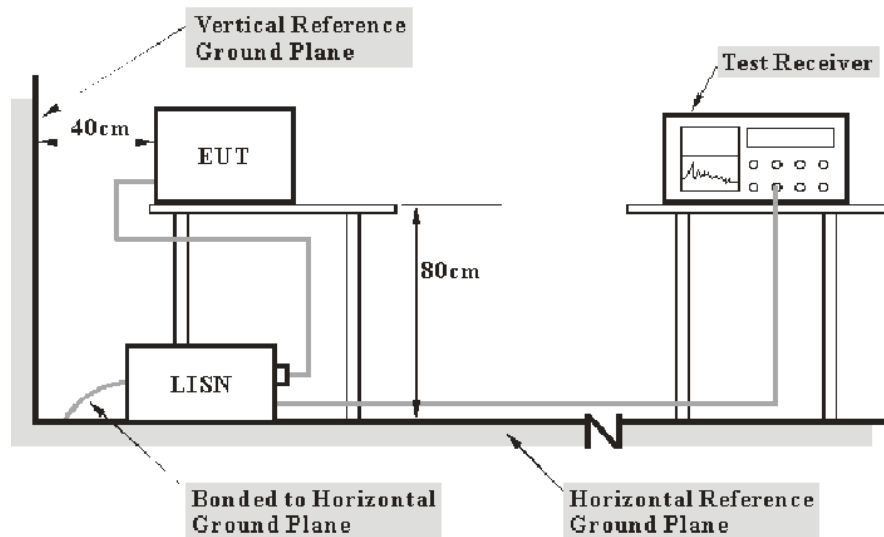
SUMMARY OF TEST RESULTS

FCC Part 15B

Clause	Description of Test	Test Result
§15.107	Conducted emissions	Compliance
§15.109	Radiated emissions	Compliance

FCC PART 15B §15.107 – 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.

The adapter was connected to the main LISN with a 120 V/60 Hz AC power source.

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 or EUT was connected to the first 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:

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

Note:

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

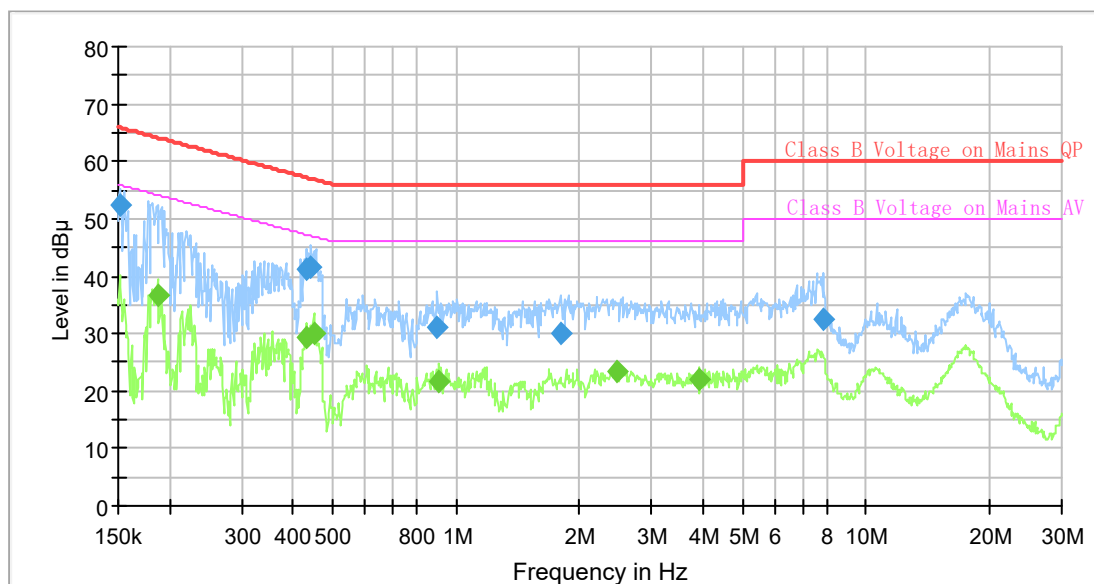
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

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

Test Data

Please refer to following table and plots:

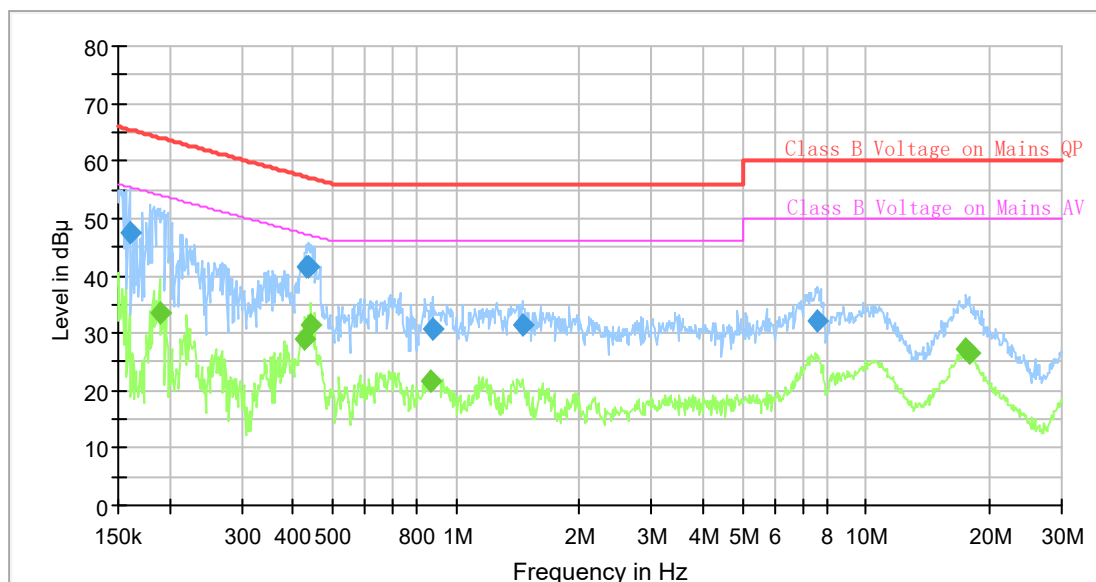
Model Number: MGYR10
 Port: L
 Test Mode: Operating
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.151504	52.35	---	65.92	13.57	9.000	L1	9.6
0.186809	---	36.59	54.18	17.59	9.000	L1	9.6
0.431814	---	29.24	47.22	17.98	9.000	L1	9.6
0.431814	41.09	---	57.22	16.13	9.000	L1	9.6
0.442717	41.68	---	57.01	15.33	9.000	L1	9.6
0.449391	---	30.17	46.89	16.72	9.000	L1	9.6
0.898892	30.98	---	56.00	25.02	9.000	L1	9.7
0.907903	---	21.55	46.00	24.45	9.000	L1	9.7
1.798001	30.08	---	56.00	25.92	9.000	L1	9.7
2.461795	---	23.53	46.00	22.47	9.000	L1	9.7
3.914674	---	22.14	46.00	23.86	9.000	L1	9.7
7.869448	32.62	---	60.00	27.38	9.000	L1	9.8

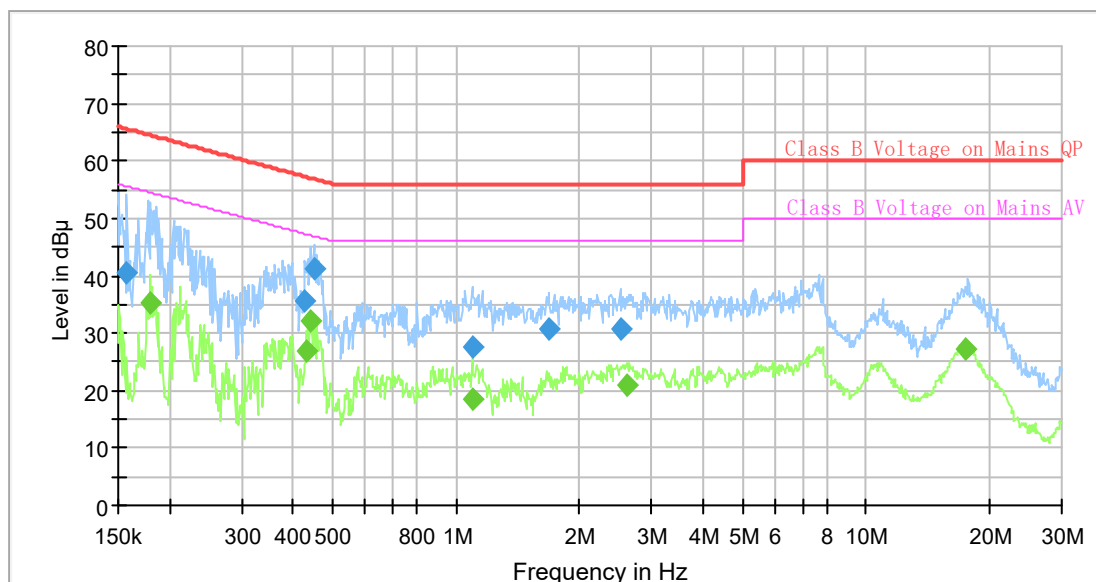
Model Number: MGYR10
Port: N
Test Mode: Operating
Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.160048	47.53	---	65.46	17.93	9.000	N	9.6
0.189625	---	33.65	54.05	20.40	9.000	N	9.6
0.427528	---	28.94	47.30	18.36	9.000	N	9.6
0.431814	41.47	---	57.22	15.75	9.000	N	9.6
0.438323	41.72	---	57.09	15.37	9.000	N	9.6
0.442717	---	31.50	47.01	15.51	9.000	N	9.6
0.868051	---	21.50	46.00	24.50	9.000	N	9.6
0.876753	30.89	---	56.00	25.11	9.000	N	9.6
1.450940	31.57	---	56.00	24.43	9.000	N	9.6
7.637442	32.07	---	60.00	27.93	9.000	N	9.7
17.566298	---	27.21	50.00	22.79	9.000	N	9.9
17.831112	---	26.40	50.00	23.60	9.000	N	9.9

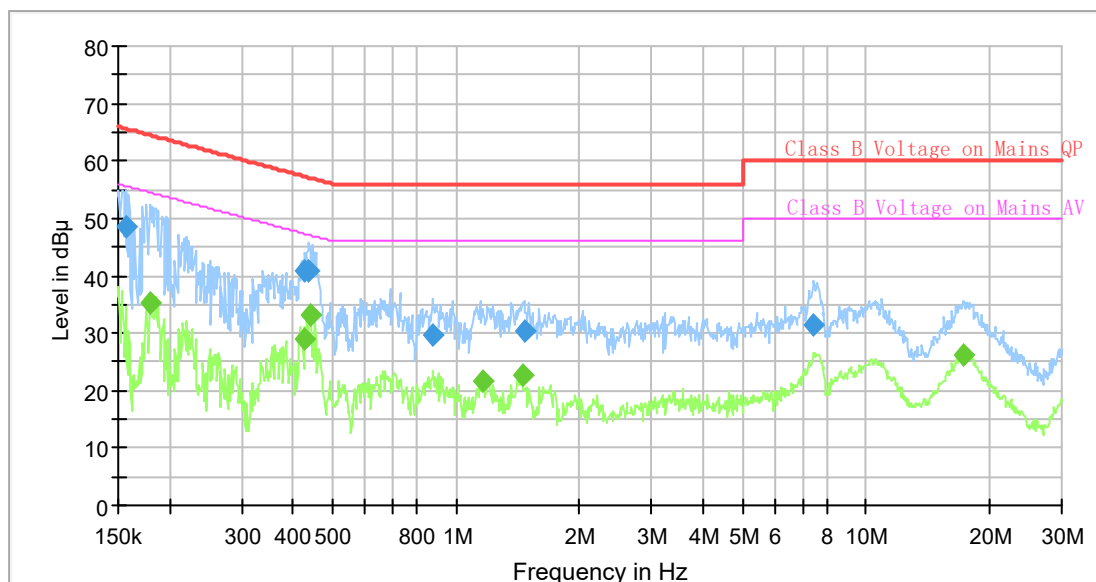
Model Number: MGYR15
 Port: L
 Test Mode: Operating
 Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.157671	40.40	---	65.59	25.19	9.000	L1	9.6
0.179502	---	35.42	54.51	19.09	9.000	L1	9.6
0.427528	35.80	---	57.30	21.50	9.000	L1	9.6
0.431814	---	26.98	47.22	20.24	9.000	L1	9.6
0.440515	---	32.16	47.05	14.89	9.000	L1	9.6
0.449391	41.22	---	56.89	15.67	9.000	L1	9.6
1.097362	27.60	---	56.00	28.40	9.000	L1	9.7
1.097362	---	18.62	46.00	27.38	9.000	L1	9.7
1.685121	30.72	---	56.00	25.28	9.000	L1	9.7
2.511402	30.62	---	56.00	25.38	9.000	L1	9.7
2.626701	---	20.86	46.00	25.14	9.000	L1	9.7
17.566298	---	27.26	50.00	22.74	9.000	L1	10.1

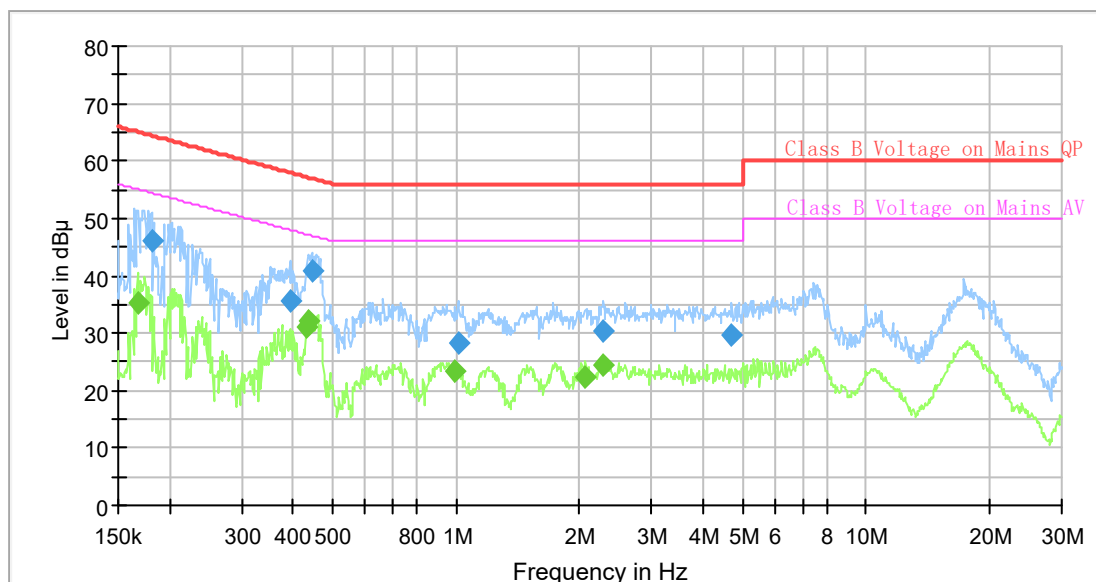
Model Number: MGYR15
Port: N
Test Mode: Operating
Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.156887	48.56	---	65.63	17.07	9.000	N	9.6
0.178609	---	35.19	54.55	19.36	9.000	N	9.6
0.427528	---	29.11	47.30	18.19	9.000	N	9.6
0.427528	40.83	---	57.30	16.47	9.000	N	9.6
0.438323	41.00	---	57.09	16.09	9.000	N	9.6
0.442717	---	33.28	47.01	13.73	9.000	N	9.6
0.876753	29.73	---	56.00	26.27	9.000	N	9.6
1.159249	---	21.68	46.00	24.32	9.000	N	9.6
1.450940	---	22.86	46.00	23.14	9.000	N	9.6
1.465485	30.40	---	56.00	25.60	9.000	N	9.6
7.449337	31.57	---	60.00	28.43	9.000	N	9.6
17.305416	---	26.07	50.00	23.93	9.000	N	9.9

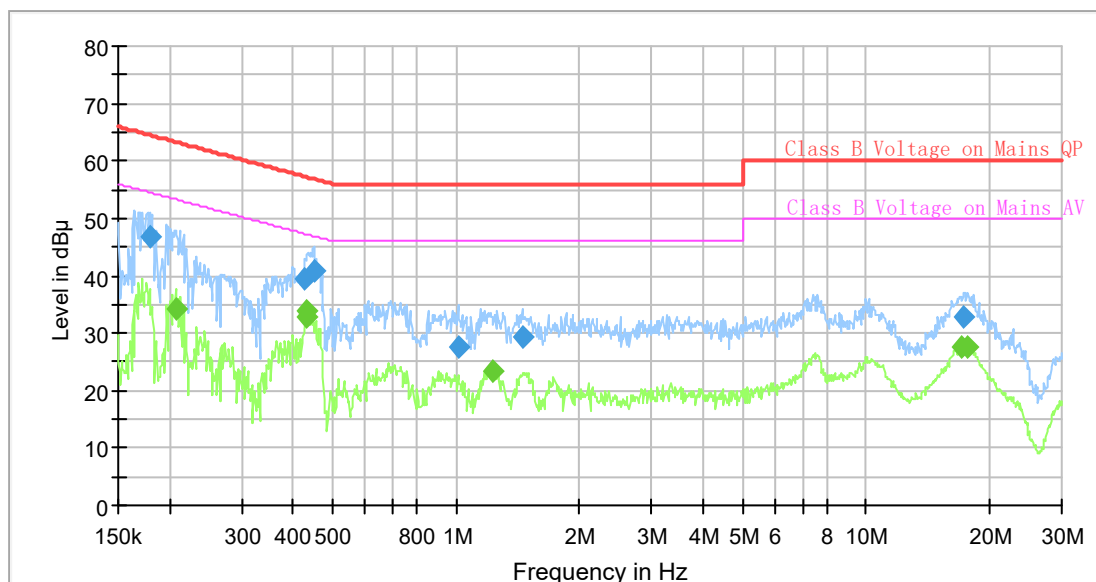
Model Number: MGYR21
Port: L
Test Mode: Operating
Power Source: AC 120V/60Hz



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.167396	---	35.33	55.09	19.76	9.000	L1	9.6
0.181302	46.00	---	64.43	18.43	9.000	L1	9.6
0.396710	35.79	---	57.92	22.13	9.000	L1	9.6
0.431814	---	31.14	47.22	16.08	9.000	L1	9.6
0.438323	---	31.99	47.09	15.10	9.000	L1	9.6
0.444931	40.99	---	56.97	15.98	9.000	L1	9.6
0.998148	---	23.47	46.00	22.53	9.000	L1	9.7
1.013195	28.43	---	56.00	27.57	9.000	L1	9.7
2.067473	---	22.19	46.00	23.81	9.000	L1	9.7
2.272976	---	24.52	46.00	21.48	9.000	L1	9.7
2.284341	30.29	---	56.00	25.71	9.000	L1	9.7
4.708038	29.86	---	56.00	26.14	9.000	L1	9.7

Model Number: MGYR21
Port: N
Test Mode: Operating
Power Source: AC 120V/60Hz



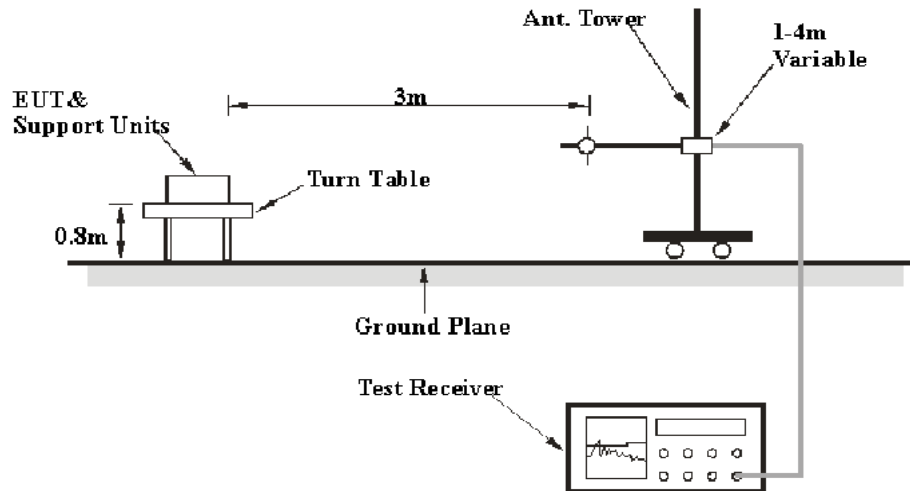
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.178609	46.98	---	64.55	17.57	9.000	N	9.6
0.207437	---	34.37	53.31	18.94	9.000	N	9.6
0.427528	39.48	---	57.30	17.82	9.000	N	9.6
0.429665	---	32.89	47.26	14.37	9.000	N	9.6
0.433973	---	33.92	47.18	13.26	9.000	N	9.6
0.449391	40.70	---	56.89	16.19	9.000	N	9.6
1.013195	27.64	---	56.00	28.36	9.000	N	9.6
1.224625	---	23.27	46.00	22.73	9.000	N	9.6
1.450940	29.30	---	56.00	26.70	9.000	N	9.6
17.133651	---	27.69	50.00	22.31	9.000	N	9.9
17.305416	32.70	---	60.00	27.30	9.000	N	9.9
17.742400	---	27.70	50.00	22.30	9.000	N	9.9

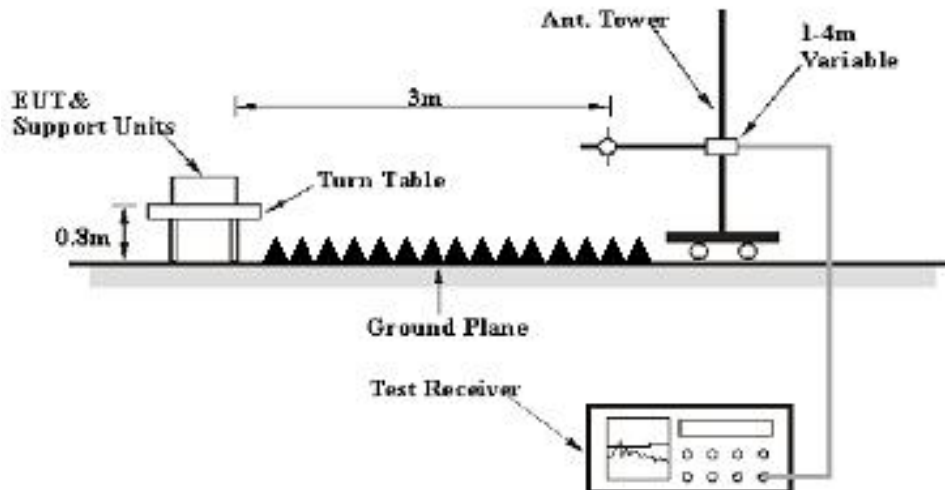
FCC PART 15B §15.109 – RADIATED EMISSIONS

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters distance, above 1GHz were performed at the 3 meters, 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 13 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	Reduced video bandwidth	/	AVG

Test Procedure

During the radiated emissions, the adapter was connected to the first 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.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading + Corrected

Note:

Corrected = Antenna Factor + Cable Loss - 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:

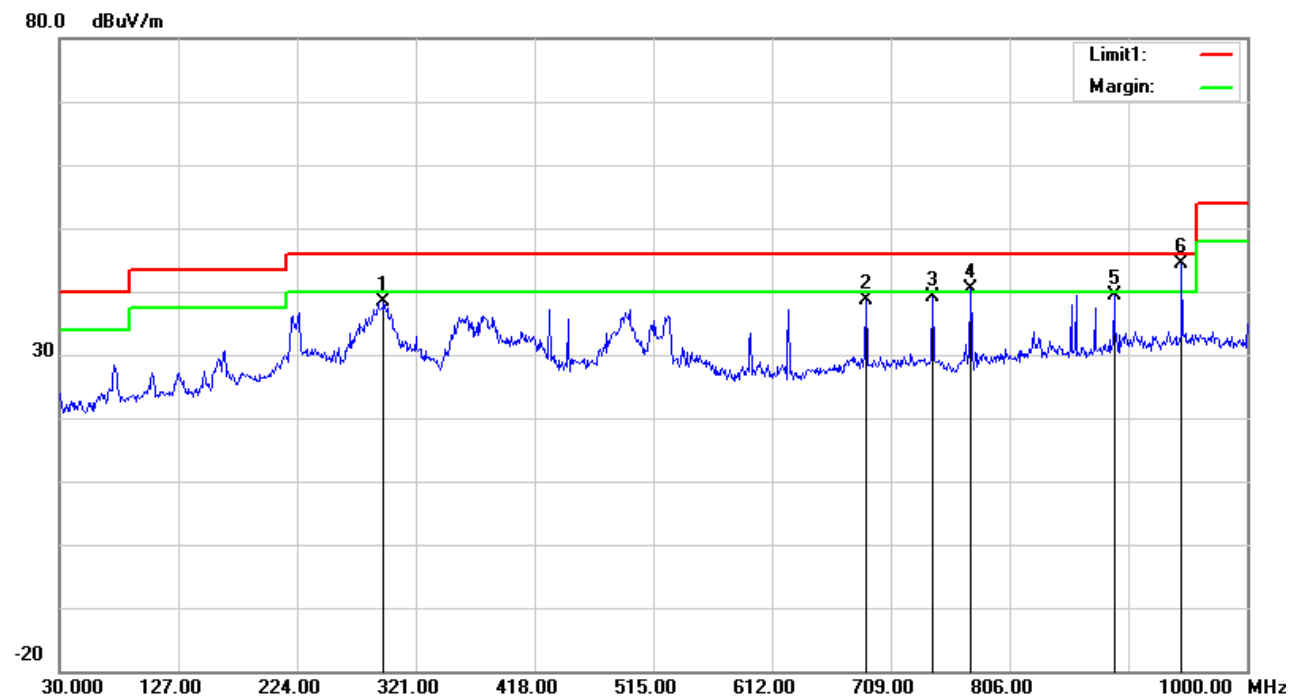
$$\text{Margin} = \text{Limit} - \text{Result}$$

Test Data

Please refer to following table and plots:

Condition: FCC Part 15B Class B
Model: MGYR10
Test Mode: Operating

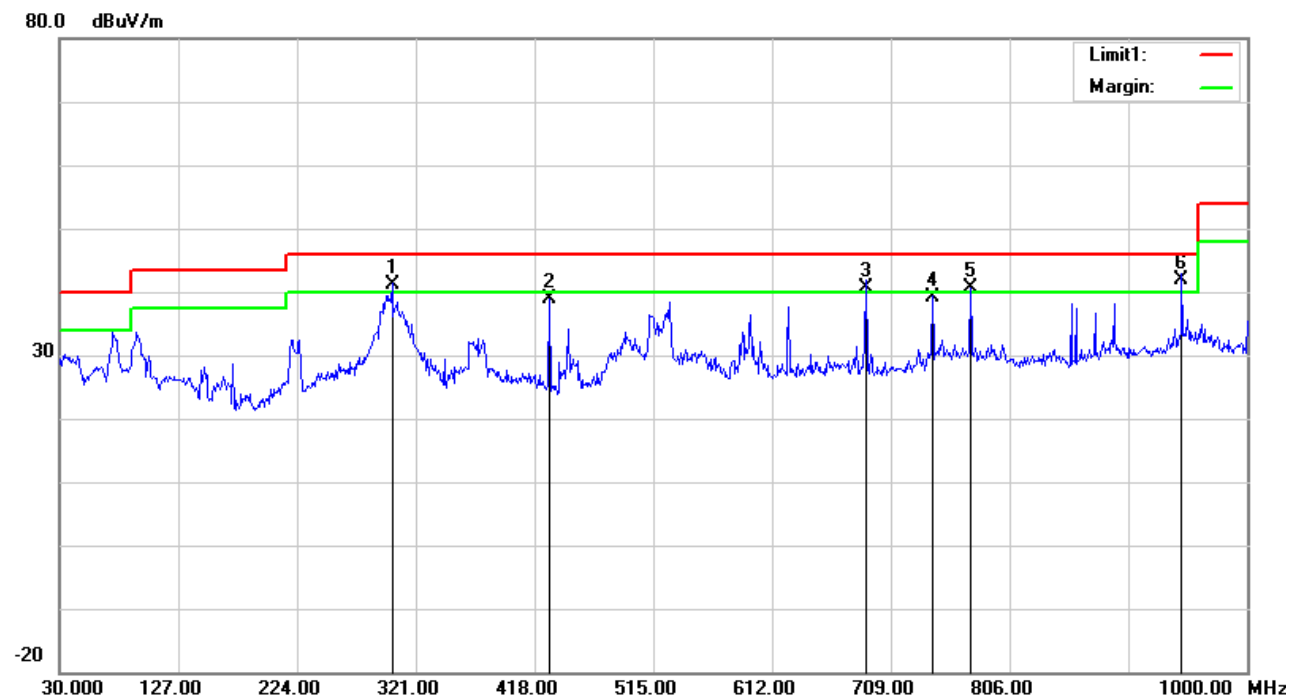
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	294.8100	45.93	peak	-7.65	38.28	46.00	7.72
2	688.6300	38.50	peak	0.17	38.67	46.00	7.33
3	742.9500	38.47	peak	0.66	39.13	46.00	6.87
4	773.9900	39.43	QP	1.01	40.44	46.00	5.56
5	891.3600	36.23	peak	3.22	39.45	46.00	6.55
6	946.6500	39.81	QP	4.53	44.34	46.00	1.66

Condition: FCC Part 15B Class B
Model: MGYR10
Test Mode: Operating

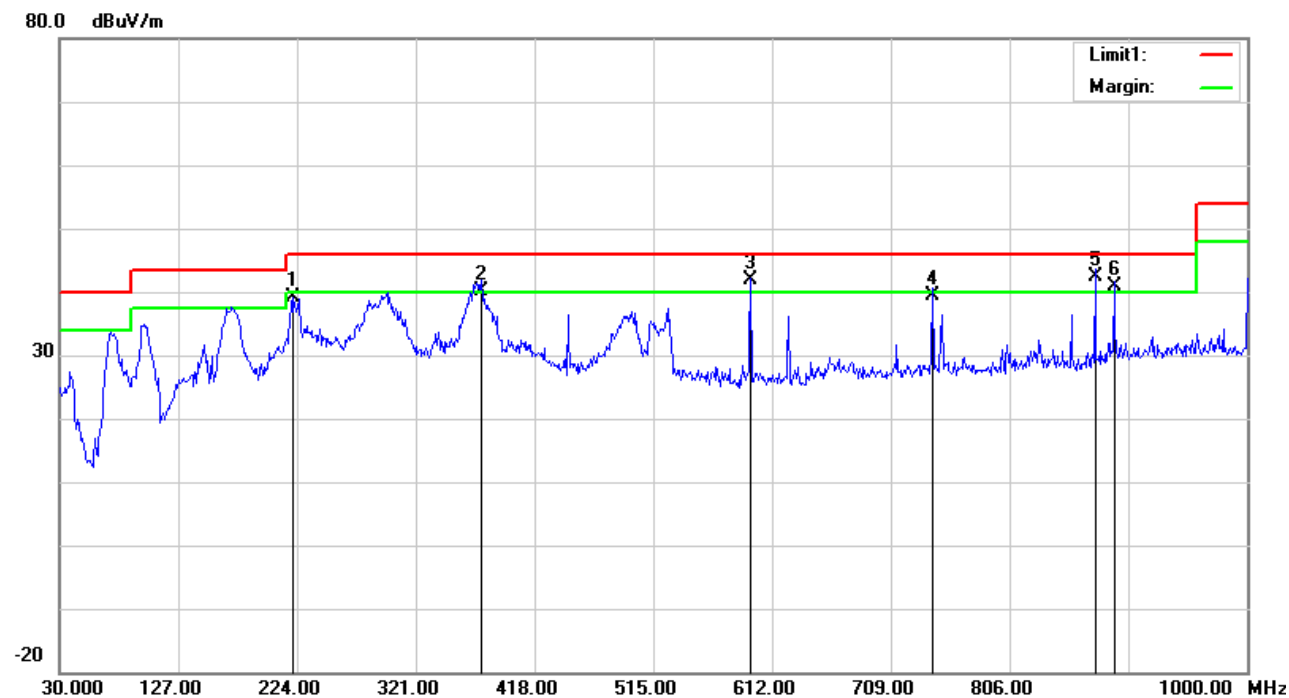
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	301.6000	48.50	QP	-7.30	41.20	46.00	4.80
2	429.6400	43.42	peak	-4.65	38.77	46.00	7.23
3	688.6300	40.43	QP	0.17	40.60	46.00	5.40
4	742.9500	38.54	QP	0.66	39.20	46.00	6.80
5	773.9900	39.59	QP	1.01	40.60	46.00	5.40
6	946.6500	37.37	QP	4.53	41.90	46.00	4.10

Condition: FCC Part 15B Class B
Model: MGYR15
Test Mode: Operating

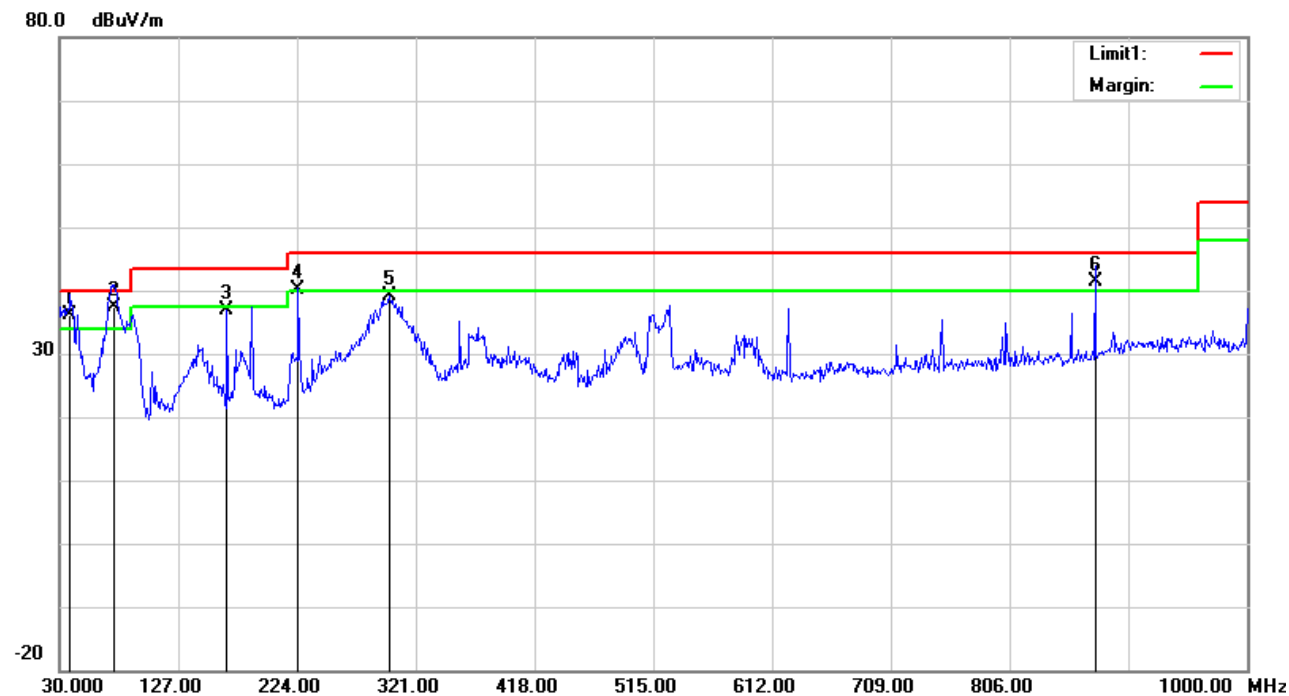
Polarization: Horizontal
Power: AC 230V/50Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	220.1200	50.19	peak	-11.05	39.14	46.00	6.86
2	374.3500	46.15	QP	-5.95	40.20	46.00	5.80
3	594.5400	43.29	QP	-1.49	41.80	46.00	4.20
4	742.9500	38.74	QP	0.66	39.40	46.00	6.60
5	875.8400	39.63	QP	2.67	42.30	46.00	3.70
6	891.3600	37.68	QP	3.22	40.90	46.00	5.10

Condition: FCC Part 15B Class B
Model: MGYR15
Test Mode: Operating

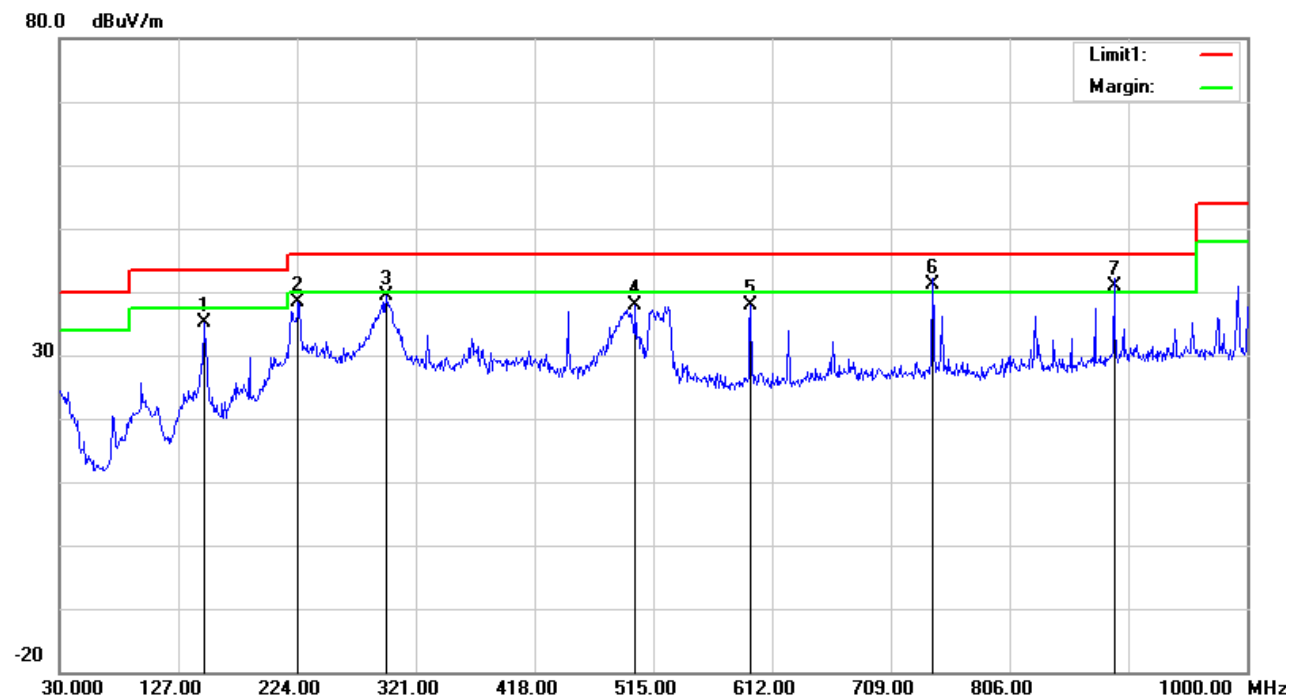
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	38.7300	44.68	QP	-8.58	36.10	40.00	3.90
2	74.6200	53.46	QP	-16.16	37.30	40.00	2.70
3	166.7700	46.33	peak	-9.51	36.82	43.50	6.68
4	224.9700	50.98	QP	-10.78	40.20	46.00	5.80
5	299.6600	46.47	peak	-7.38	39.09	46.00	6.91
6	875.8400	38.63	QP	2.67	41.30	46.00	4.70

Condition: FCC Part 15B Class B
Model: MGYR21
Test Mode: Operating

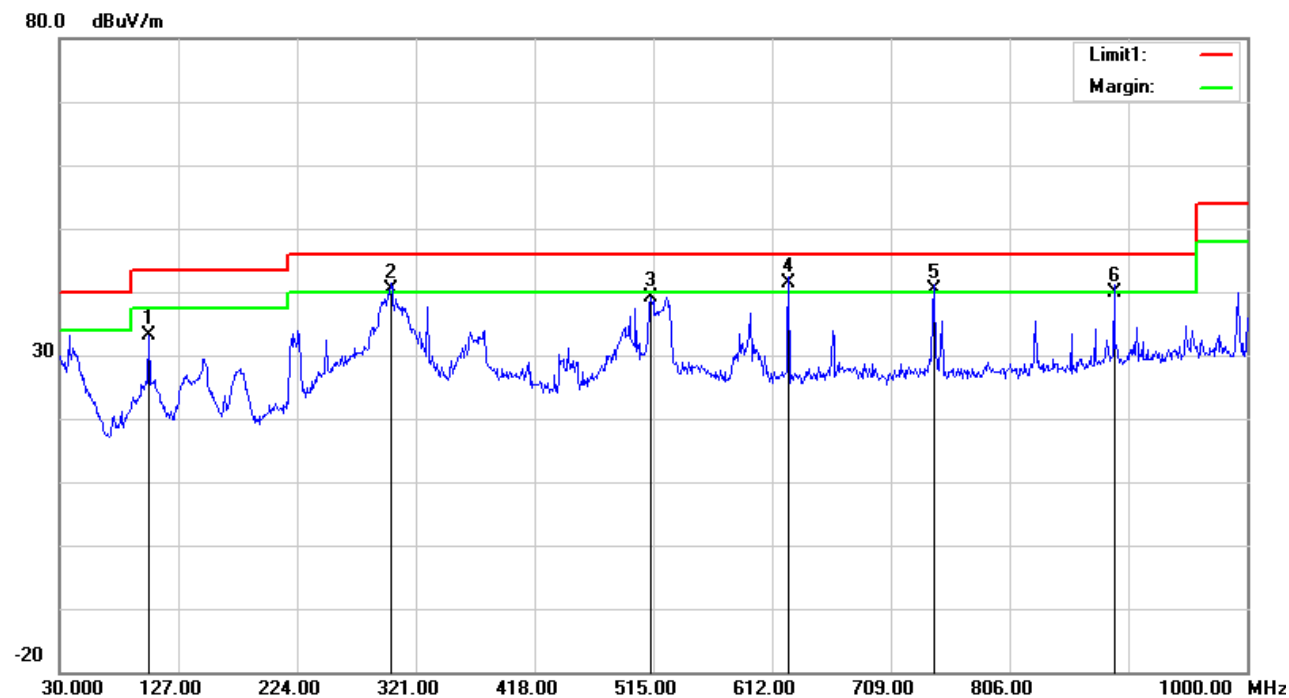
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	148.3400	44.37	peak	-9.22	35.15	43.50	8.35
2	224.9700	49.12	peak	-10.78	38.34	46.00	7.66
3	296.7500	46.96	peak	-7.60	39.36	46.00	6.64
4	500.4500	41.43	peak	-3.45	37.98	46.00	8.02
5	594.5400	39.28	peak	-1.49	37.79	46.00	8.21
6	742.9500	40.54	QP	0.66	41.20	46.00	4.80
7	891.3600	37.78	QP	3.22	41.00	46.00	5.00

Condition: FCC Part 15B Class B
Model: MGYR21
Test Mode: Operating

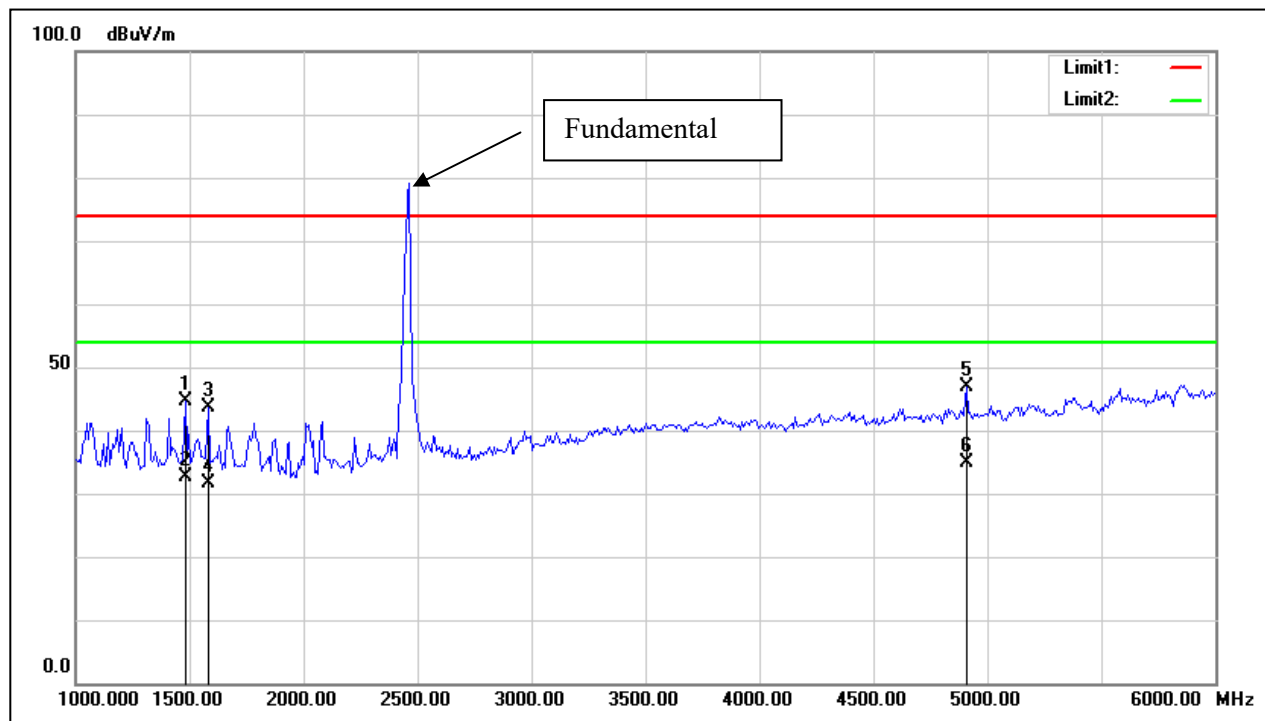
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	102.7500	46.92	peak	-13.77	33.15	43.50	10.35
2	300.6300	47.66	QP	-7.35	40.31	46.00	5.69
3	513.0600	42.11	peak	-2.90	39.21	46.00	6.79
4	625.5800	42.17	QP	-0.87	41.30	46.00	4.70
5	743.9200	39.67	QP	0.63	40.30	46.00	5.70
6	891.3600	36.58	QP	3.22	39.80	46.00	6.20

Condition: FCC Part 15B Class B Peak
Model: MGYR10
Test Mode: Operating

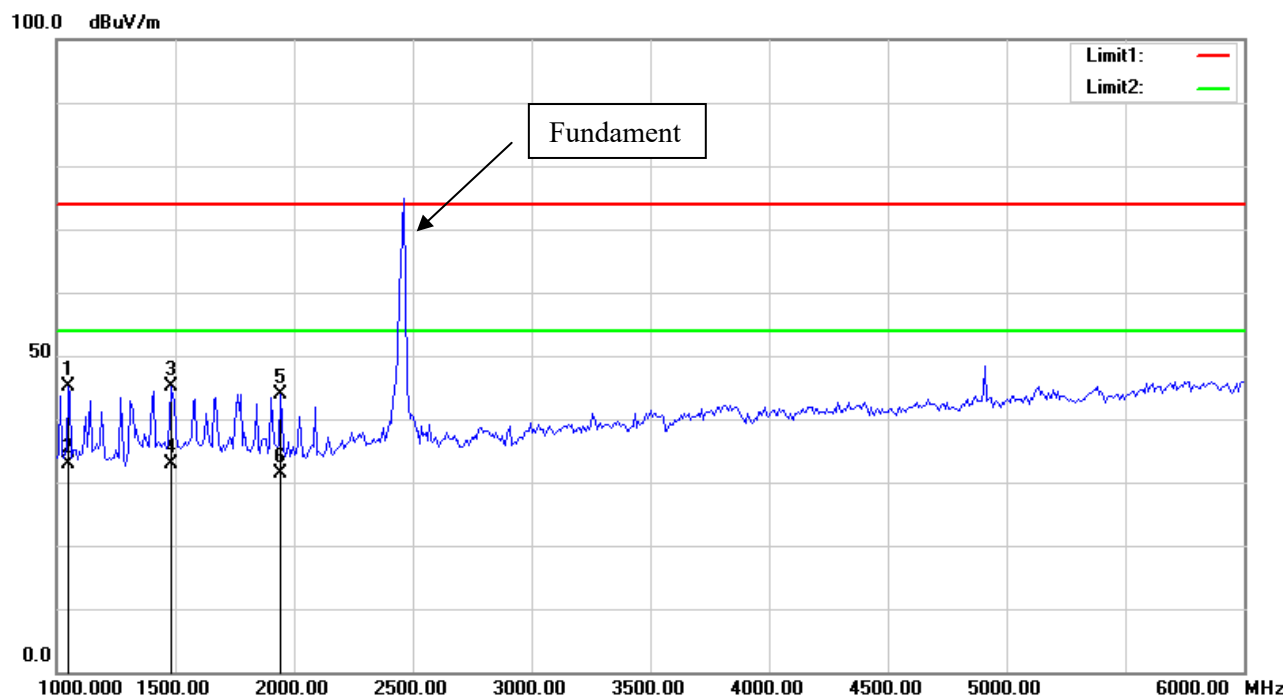
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1480.769	46.55	peak	-1.92	44.63	74.00	29.37
2	1480.769	34.47	AVG	-1.92	32.55	54.00	21.45
3	1584.936	44.90	peak	-1.22	43.68	74.00	30.32
4	1584.936	32.79	AVG	-1.22	31.57	54.00	22.43
5	4910.256	41.04	peak	5.94	46.98	74.00	27.02
6	4910.256	28.93	AVG	5.94	34.87	54.00	19.13

Condition: FCC Part 15B Class B Peak
Model: MGYR10
Test Mode: Operating

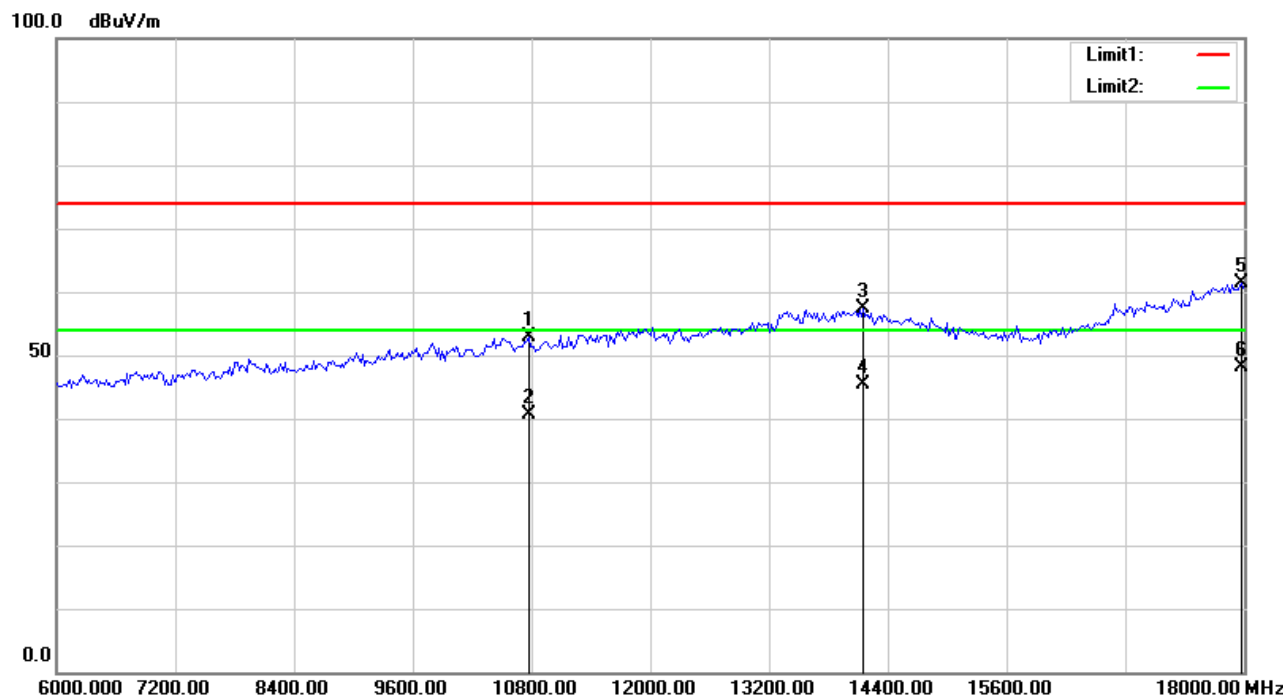
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1048.077	49.26	peak	-4.15	45.11	74.00	28.89
2	1048.077	37.11	AVG	-4.15	32.96	54.00	21.04
3	1480.769	46.97	peak	-1.92	45.05	74.00	28.95
4	1480.769	34.76	AVG	-1.92	32.84	54.00	21.16
5	1945.513	45.36	peak	-1.59	43.77	74.00	30.23
6	1945.513	32.98	AVG	-1.59	31.39	54.00	22.61

Condition: FCC Part 15B Class B Peak
Model: MGYR10
Test Mode: Operating

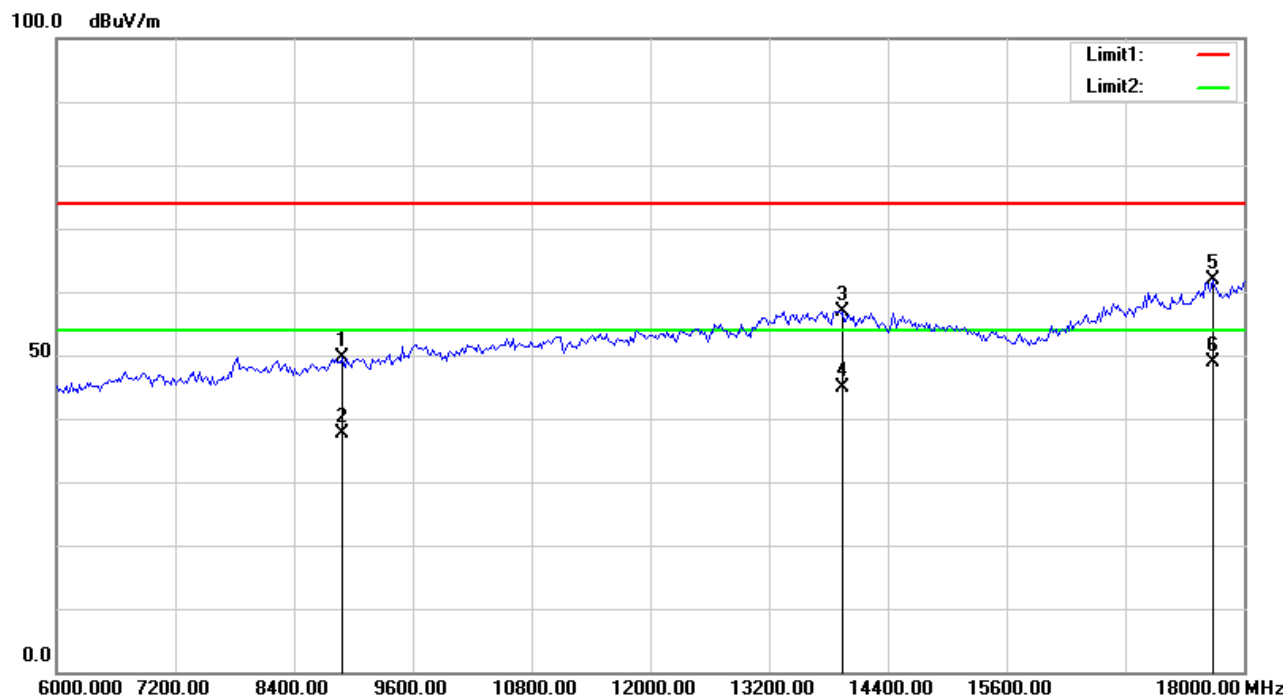
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	10769.231	36.54	peak	16.28	52.82	74.00	21.18
2	10769.231	24.39	AVG	16.28	40.67	54.00	13.33
3	14153.846	36.43	peak	21.06	57.49	74.00	16.51
4	14153.846	24.27	AVG	21.06	45.33	54.00	8.67
5	17980.769	34.95	peak	26.35	61.30	74.00	12.70
6	17980.769	21.83	AVG	26.35	48.18	54.00	5.82

Condition: FCC Part 15B Class B Peak
Model: MGYR10
Test Mode: Operating

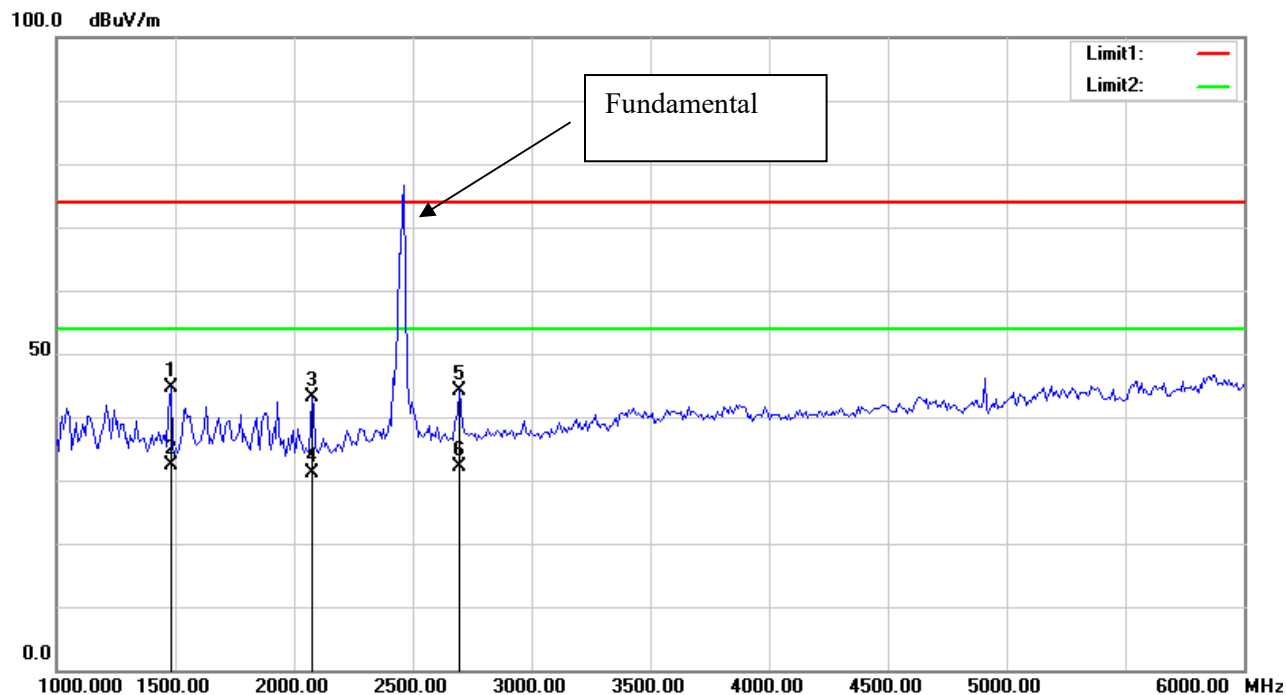
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	8884.615	36.24	peak	13.50	49.74	74.00	24.26
2	8884.615	24.11	AVG	13.50	37.61	54.00	16.39
3	13942.308	35.63	peak	21.28	56.91	74.00	17.09
4	13942.308	23.55	AVG	21.28	44.83	54.00	9.17
5	17692.308	36.61	peak	25.33	61.94	74.00	12.06
6	17692.308	23.57	AVG	25.33	48.90	54.00	5.10

Condition: FCC Part 15B Class B Peak
Model: MGYR15
Test Mode: Operating

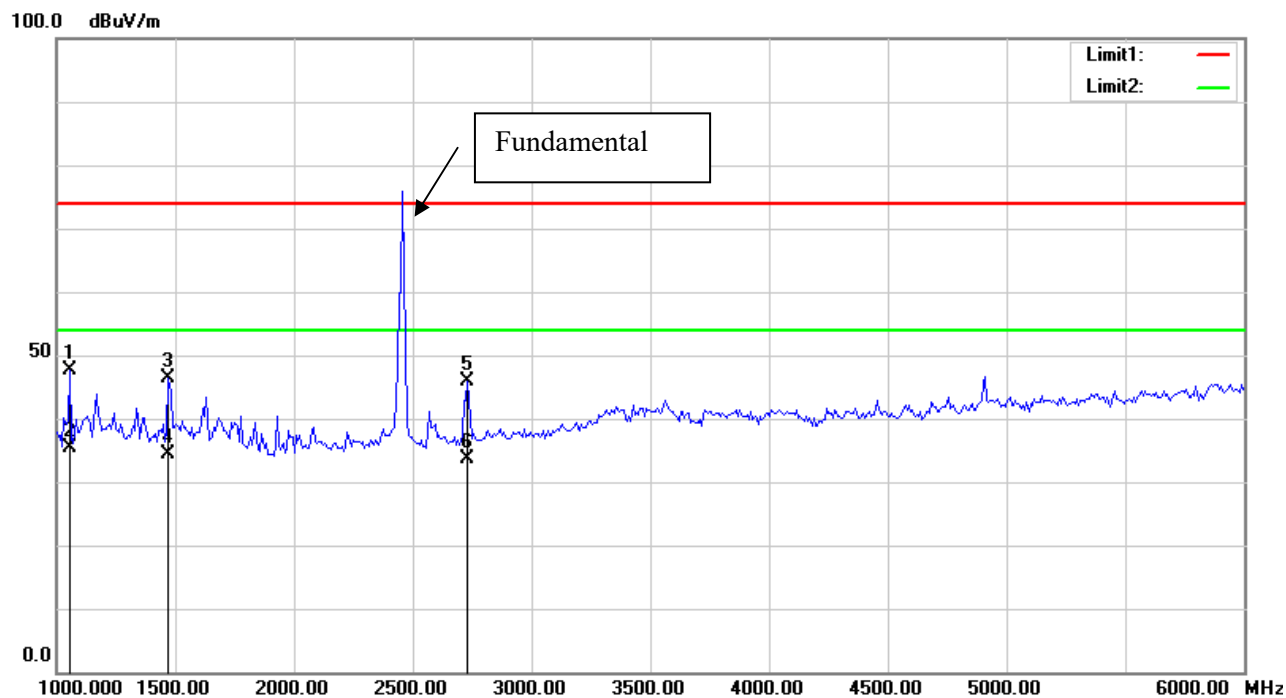
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1480.769	46.55	peak	-1.92	44.63	74.00	29.37
2	1480.769	34.41	AVG	-1.92	32.49	54.00	21.51
3	2073.718	44.34	peak	-1.31	43.03	74.00	30.97
4	2073.718	32.55	AVG	-1.31	31.24	54.00	22.76
5	2698.718	44.17	peak	0.08	44.25	74.00	29.75
6	2698.718	32.14	AVG	0.08	32.22	54.00	21.78

Condition: FCC Part 15B Class B Peak
Model: MGYR15
Test Mode: Operating

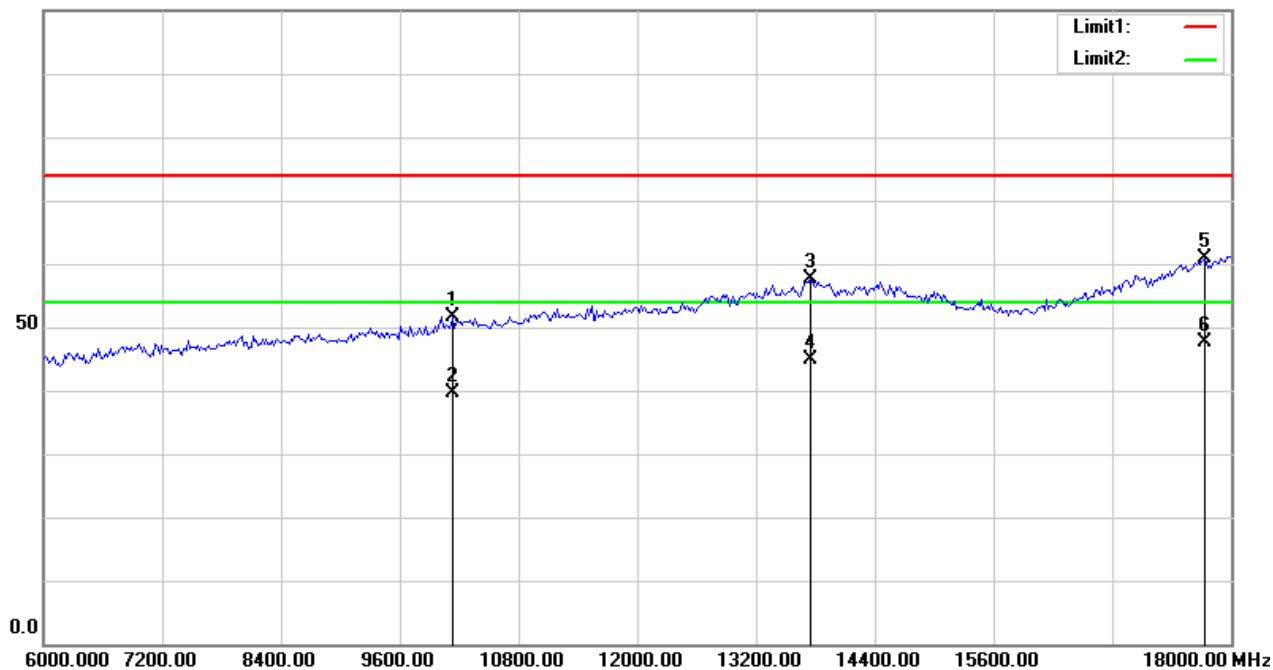
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1056.090	51.67	peak	-4.11	47.56	74.00	26.44
2	1056.090	39.51	AVG	-4.11	35.40	54.00	18.60
3	1472.756	48.40	peak	-1.92	46.48	74.00	27.52
4	1472.756	36.22	AVG	-1.92	34.30	54.00	19.70
5	2730.769	45.67	peak	0.15	45.82	74.00	28.18
6	2730.769	33.51	AVG	0.15	33.66	54.00	20.34

Condition: FCC Part 15B Class B Peak
Model: MGYR 15
Test Mode: Operating

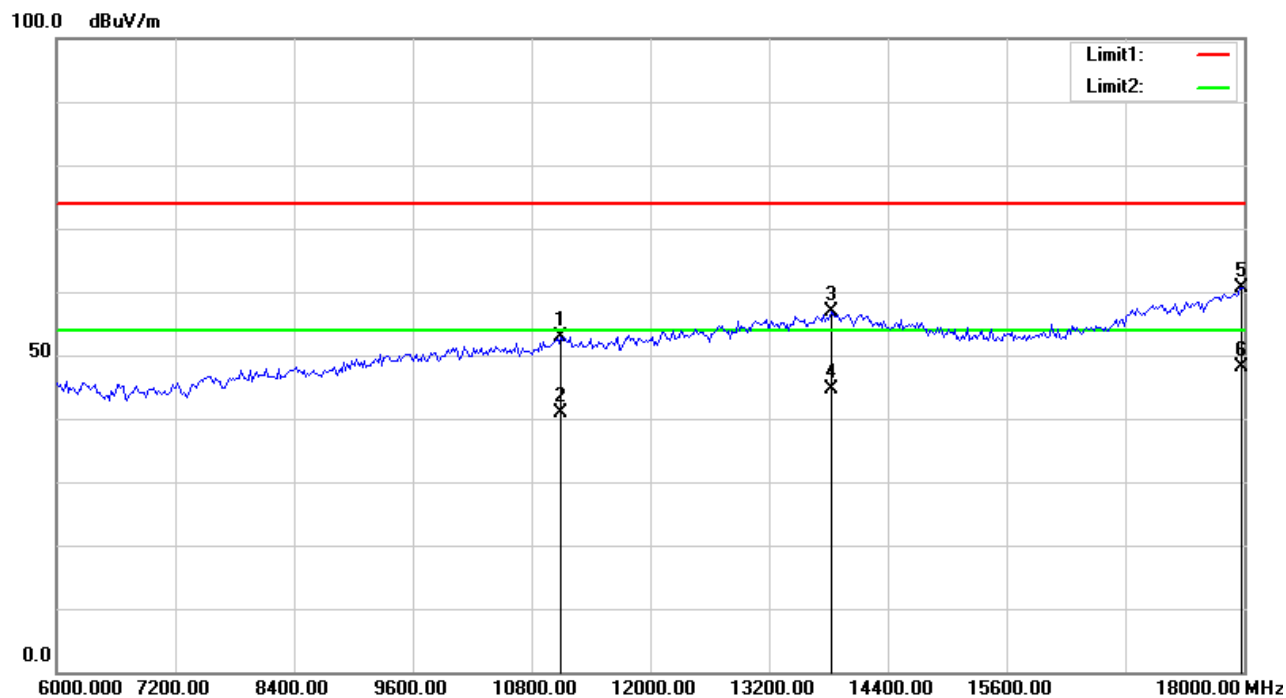
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m

100.0 dB μ V/m

No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	10134.615	36.69	peak	15.03	51.72	74.00	22.28
2	10134.615	24.50	AVG	15.03	39.53	54.00	14.47
3	13750.000	37.01	peak	20.68	57.69	74.00	16.31
4	13750.000	24.23	AVG	20.68	44.91	54.00	9.09
5	17730.769	35.59	peak	25.38	60.97	74.00	13.03
6	17730.769	22.17	AVG	25.38	47.55	54.00	6.45

Condition: FCC Part 15B Class B Peak
Model: MGYR15
Test Mode: Operating

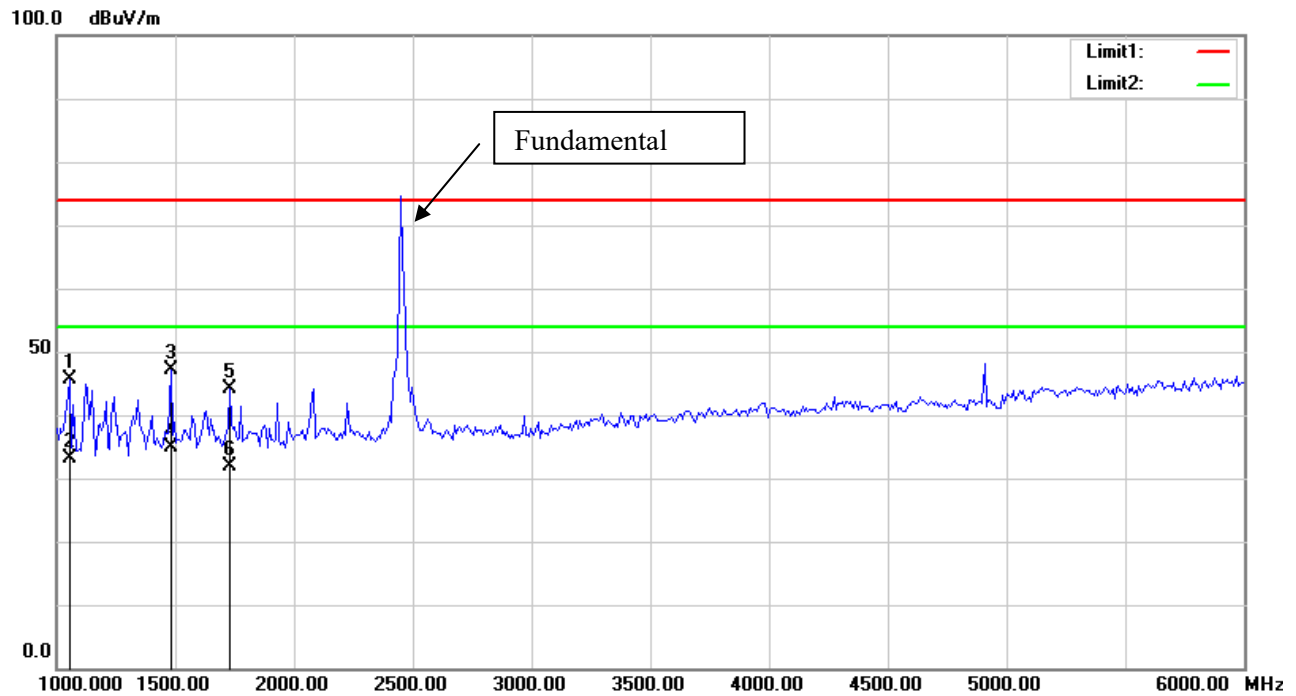
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	11096.154	36.15	peak	16.80	52.95	74.00	21.05
2	11096.154	24.02	AVG	16.80	40.82	54.00	13.18
3	13826.923	36.21	peak	20.60	56.81	74.00	17.19
4	13826.923	24.13	AVG	20.60	44.73	54.00	9.27
5	17980.769	34.26	peak	26.35	60.61	74.00	13.39
6	17980.769	21.72	AVG	26.35	48.07	54.00	5.93

Condition: FCC Part 15B Class B Peak
Model: MGYR21
Test Mode: Operating

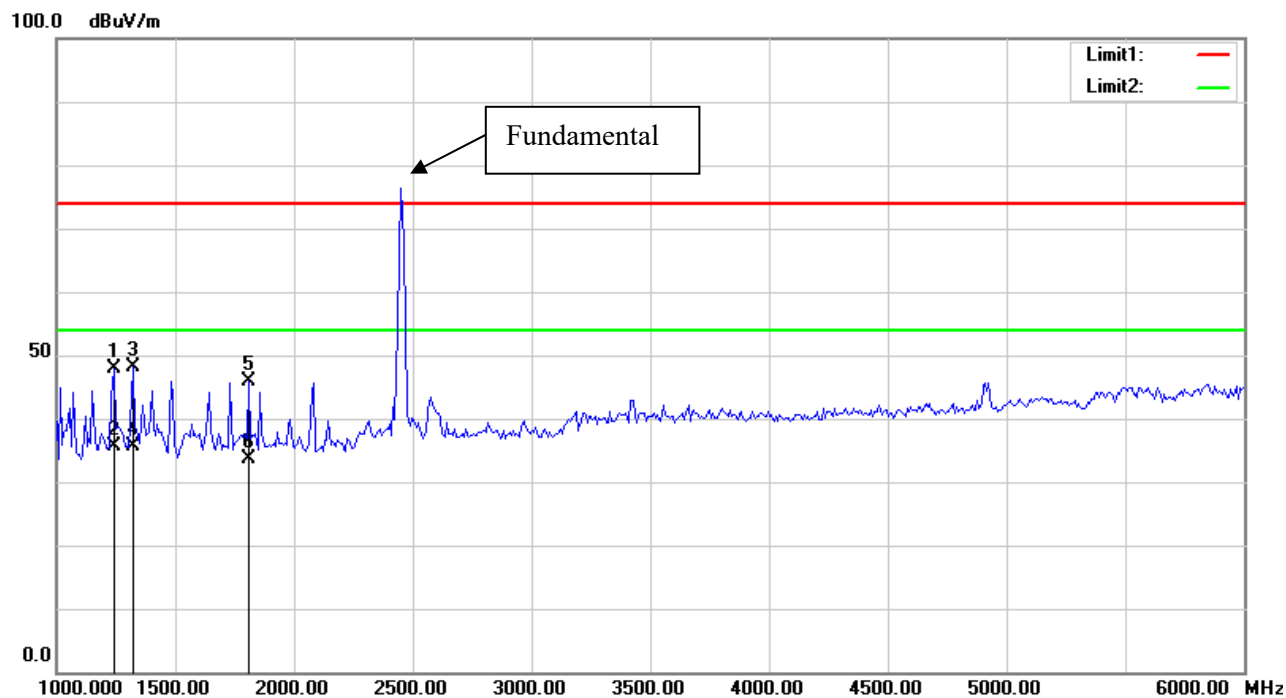
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1056.090	49.70	peak	-4.11	45.59	74.00	28.41
2	1056.090	37.26	AVG	-4.11	33.15	54.00	20.85
3	1480.769	49.10	peak	-1.92	47.18	74.00	26.82
4	1480.769	36.88	AVG	-1.92	34.96	54.00	19.04
5	1729.167	45.19	peak	-1.03	44.16	74.00	29.84
6	1729.167	33.02	AVG	-1.03	31.99	54.00	22.01

Condition: FCC Part 15B Class B Peak
Model: MGYR21
Test Mode: Operating

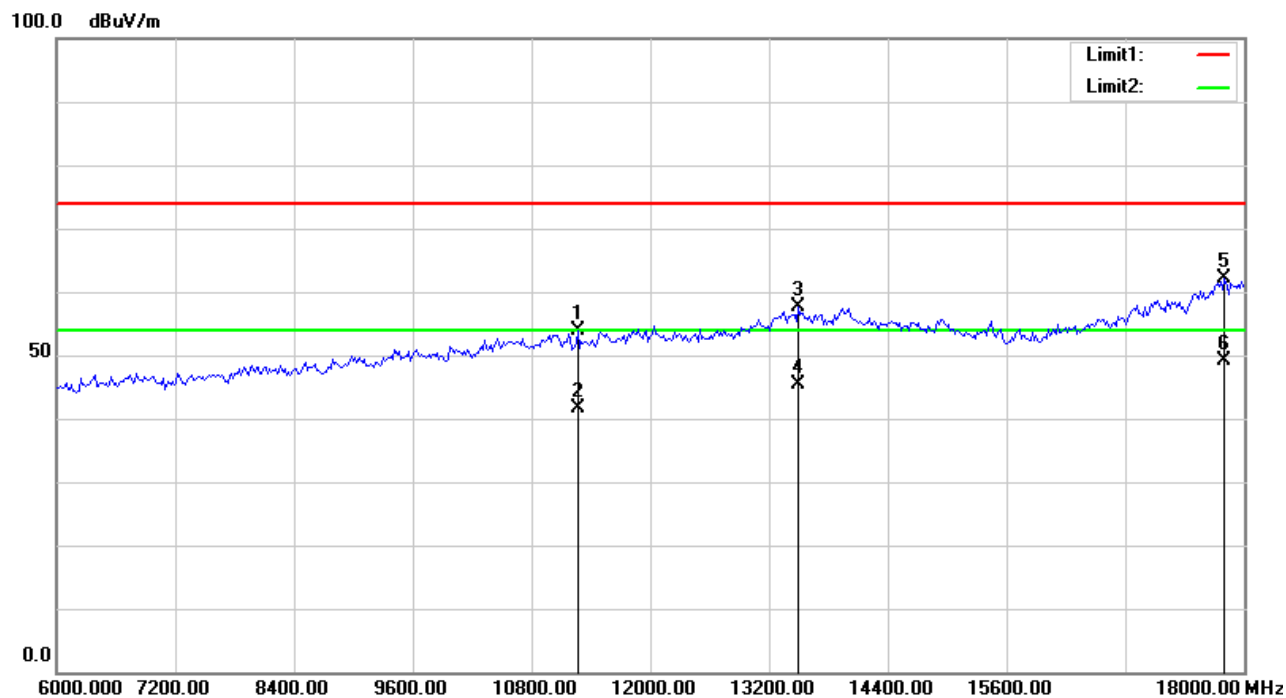
Polarization: Vertical
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	1240.385	50.92	peak	-2.93	47.99	74.00	26.01
2	1240.385	38.55	AVG	-2.93	35.62	54.00	18.38
3	1320.513	50.66	peak	-2.58	48.08	74.00	25.92
4	1320.513	38.26	AVG	-2.58	35.68	54.00	18.32
5	1809.295	46.70	peak	-0.85	45.85	74.00	28.15
6	1809.295	34.48	AVG	-0.85	33.63	54.00	20.37

Condition: FCC Part 15B Class B Peak
Model: MGYR21
Test Mode: Operating

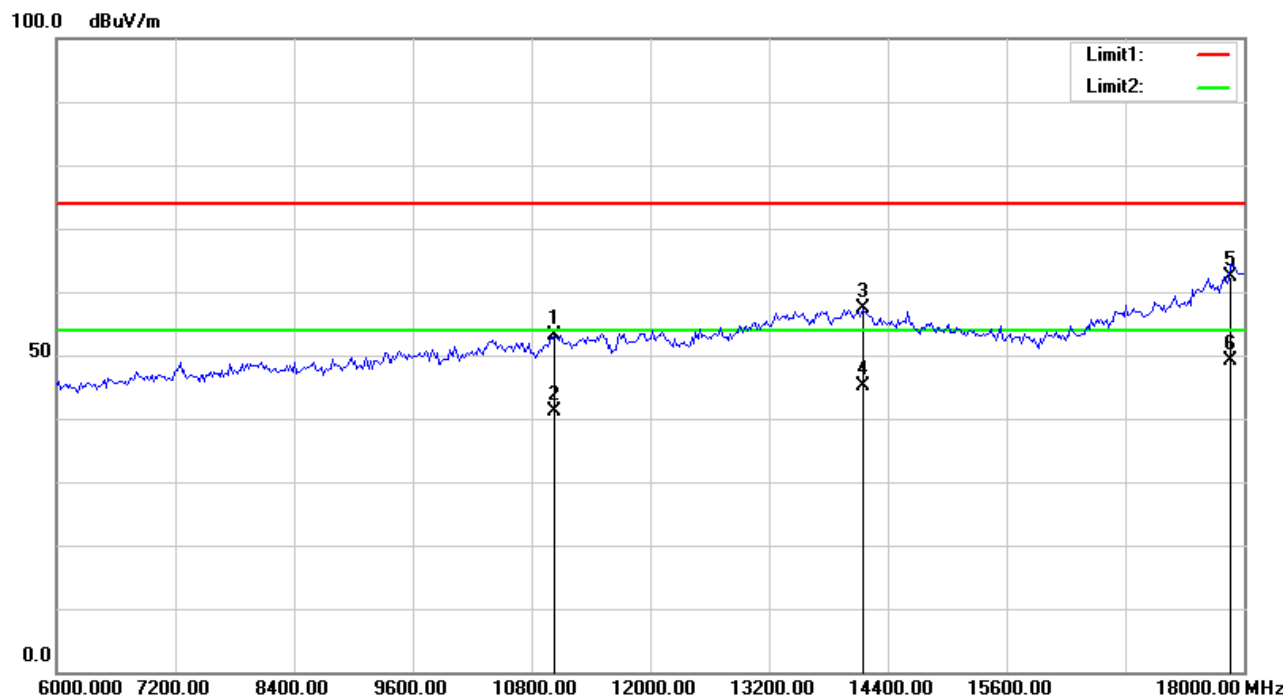
Polarization: Horizontal
Power: AC 120V/60Hz
Distance: 3m



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	11269.231	36.97	peak	16.98	53.95	74.00	20.05
2	11269.231	24.70	AVG	16.98	41.68	54.00	12.32
3	13500.000	36.94	peak	20.70	57.64	74.00	16.36
4	13500.000	24.68	AVG	20.70	45.38	54.00	8.62
5	17807.692	36.75	peak	25.32	62.07	74.00	11.93
6	17807.692	23.81	AVG	25.32	49.13	54.00	4.87

Condition: FCC Part 15B Class B Peak
Model: MGYR21
Test Mode: Operating

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	11038.461	36.30	peak	16.80	53.10	74.00	20.90
2	11038.461	24.26	AVG	16.80	41.06	54.00	12.94
3	14153.846	36.20	peak	21.06	57.26	74.00	16.74
4	14153.846	24.12	AVG	21.06	45.18	54.00	8.82
5	17865.385	36.33	peak	26.09	62.42	74.00	11.58
6	17865.385	23.07	AVG	26.09	49.16	54.00	4.84

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