



FCC Part 18

TEST REPORT

For

EM20AP-**

(**:GA,GB,GC,GH,G1)

**MODEL NUMBER: EM20AP-GC, EM20AP-GA(JES1072DRBB, JES1072DRWW),
EM20AP-G1(JES1072SRSS), EM20AP-GH(RES1072DTBB, RES1072DTWW),
EM20AP-GB**

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Prepared for

**Qingdao Xingbang Cookers&Ovens Appliances Co., LTD.
No.132, Taizigou Changjiang Road, Qingdao Economic & Technological
Development Zone, Qingdao City, Shandong Province, P.R.China**

Prepared by

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 10, Innovation Technology Park,
Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Tel: +86 769 33817100
Fax: +86 769 33244054
Website: www.ul.com**

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	03/25/2022	Initial Issue	

Summary of Test Results				
Standard	Test Item	Test Method	Class / Severity	Result
FCC CFR 47 Part 18	Conducted Emission (150 kHz to 30 MHz)	FCC OST/ MP-5:1986	18.307(b)	PASS
	Radiated Emission (9 kHz to 30 MHz)	FCC OST/ MP-5:1986	18.305(b)	PASS
	Radiated Emission (30 MHz to 1 GHz)	FCC OST/ MP-5:1986	18.305(b)	PASS
	Radiation Hazard	FCC OST/ MP-5:1986	Clause 3.1	PASS
	Operating Frequency	FCC OST/ MP-5:1986	Clause 4.5	PASS
	Output Power Measurement	FCC OST/ MP-5:1986	Clause 4.3	PASS

Remark :
EUT: In this whole report EUT means Equipment Under Test.
Model named description: /
This report only tests the microwave part.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Qingdao Xingbang Cookers&Ovens Appliances Co., LTD.
Address: No.132, Taizigou Changjiang Road, Qingdao Economic & Technological Development Zone, Qingdao City, Shandong Province, P.R.China

Manufacturer Information

Company Name: Qingdao Xingbang Cookers&Ovens Appliances Co., LTD.
Address: No.132, Taizigou Changjiang Road, Qingdao Economic & Technological Development Zone, Qingdao City, Shandong Province, P.R.China

EUT Information

EUT Name: EM20AP-**
Model: EM20AP-GH
Series Model: EM20AP-GA(JES1072DRBB, JES1072DRWW)
EM20AP-G1(JES1072SRSS)
EM20AP-GH(RES1072DTBB, RES1072DTWW), EM20AP-GB,
EM20AP-GC
Model difference: Only the exterior color is different.
Brand: N/A
Sample Status: Normal
Sample ID: 220110015-1
Sample Received Date: Jan. 10, 2022
Date of Tested: Jan. 21, 2022 ~ Mar. 24, 2022

APPLICABLE STANDARDS	
STANDARDS	TEST RESULTS
FCC CFR 47 Part 18	PASS

Prepared By:



Gary Zhang
Engineer Project Associate

Checked By:



Shawn Wen
Laboratory Leader

Approved By:



Stephen Guo

Laboratory Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC CFR 47 Part 18 (FCC MP-5).

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4338.01) Shenzhen STS Test Services Co., Ltd. has been assessed and proved to be in compliance with A2LA.</p> <p>CNAS (Registration No.: L7649) Shenzhen STS Test Services Co., Ltd. has been assessed and proved to be in compliance with CNAS.</p>
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Note: All tests measurement facilities use to collect the measurement data are located at A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

4. CALIBRATION AND UNCERTAINTY

4.1. Measuring Instrument Calibration

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Measurement Frequency Range	K	U(dB)
Conducted disturbance at mains terminals ports	9KHz ~ 30MHz	2	2.73 dB
Radiated disturbance Test	30MHz ~ 1000MHz	2	4.09 dB
Radiated disturbance Test	1GHz ~ 6 GHz	2	4.92 dB
Radiated disturbance Test	6GHz ~ 18GHz	2	5.49 dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5. EQUIPMENT UNDER TEST

5.1. Description of EUT

EUT Name	EM20AP-**
EUT Description	The device is a microwave oven
Model	EM20AP-GH
Series Model:	EM20AP-GA(JES1072DRBB, JES1072DRWW) EM20AP-G1(JES1072SRSS) EM20AP-GH(RES1072DTBB, RES1072DTWW), EM20AP-GB,, EM20AP-GC
Model Difference	Only the exterior color is different.
Rated Input	AC 120V 60Hz 9.5A

5.2. Test Mode

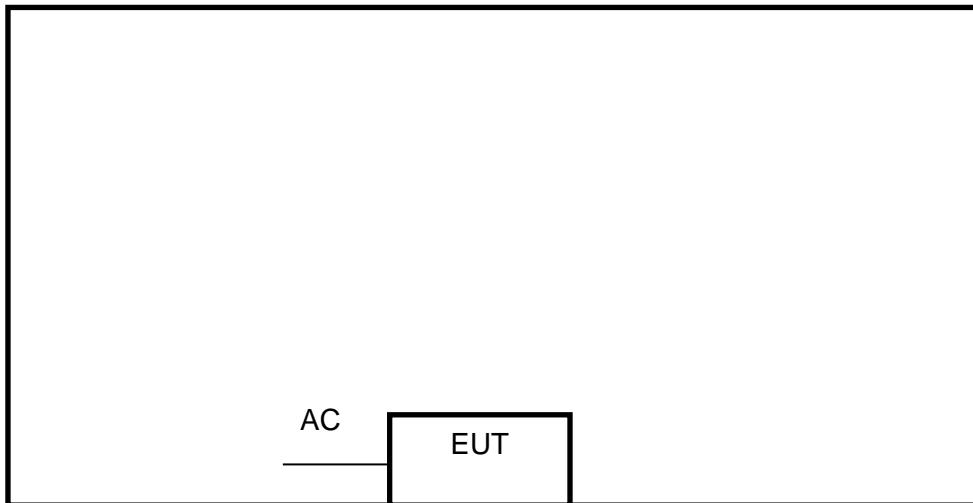
Test Mode	Description
Mode 1	Maximum microwave power
Mode 2	Stand-by and operation

Note: The EUT has been tested independently.

5.3. EUT Accessory

Item	Accessory	Brand Name	Model Name	Description
N/A	N/A	N/A	N/A	N/A

5.4. Block Diagram Showing the Configuration of System Tested



The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
--	--	--	--	--	--
Load for power output measurement :1000 milliliters of water in the beaker located in the center of the oven;					
Load for frequency measurement :1000 milliliters of water in the beaker located in the center of the oven;					
Load for measurement of radiation on second and third harmonic; Two loads, one of 700 and the other of 300 milliliters, of water are used. Each load is tested both with the beaker located in the center of the oven and with it in the right front corner.					
Load for all other measurements: 700 milliliters of water, with the beaker located in the center of the oven.					

Item	Type of cable	Shielded Type	Ferrite Core	Length
--	--	--	--	--

6. MEASURING EQUIPMENT AND SOFTWARE USED

Conducted Disturbance						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
<input checked="" type="checkbox"/>	EMI Test Receiver	R&S	ESCI	101427	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	LISN	R&S	ENV216	101242	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	LISN	ETS	3810/2NM	00023625	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	CE Cable	N/A	C01	N/A	2021.04.11	2022.04.10
<input checked="" type="checkbox"/>	Temperature & Humidity	Mieo	HH660	N/A	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	EMF Antenna	SCHWARZBECK	VDHH 9502	147	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	Testing Software	EZ-EMC(Ver.STSLAB-03A1 CE)				
Software						
Used	Description		Manufacturer	Name	Version	
<input checked="" type="checkbox"/>	Test Software for Conducted Emissions		Farad	EZ-EMC	Ver. UL-3A1	
Radiated Disturbance						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
<input checked="" type="checkbox"/>	EMI Test Receiver	R&S	ESCI	101427	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	Bi-log Antenna	TESEQ	CBL6111D	34678	2021.10.08	2023.10.07
<input checked="" type="checkbox"/>	Horn Antenna	SCHWARZBECK	BBHA 9120D	1343	2020.10.12	2022.10.11
<input checked="" type="checkbox"/>	Pre-amplifier(1-26.5G)	Agilent	8449B	3008A02383	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	Pre-amplifier(0.1M-3GHz)	EM	EM330	060665	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	Spectrum Analyzer	Agilent	N9020A	MY49100060	2021.09.30	2022.09.29
<input checked="" type="checkbox"/>	RE Cable (9K-1G)	N/A	R01	N/A	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	RE Cable (1-26G)	N/A	R02	N/A	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	Temperature & Humidity	Mieo	HH660	N/A	2021.10.09	2022.10.08
<input checked="" type="checkbox"/>	Testing Software	EZ-EMC(Ver.STSLAB-03A1 RE)				
Software						
Used	Description		Manufacturer	Name	Version	
<input checked="" type="checkbox"/>	Test Software for Radiated Emissions		Farad	EZ-EMC	Ver. UL-3A1	
Radiation Hazard Disturbance						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	
<input checked="" type="checkbox"/>	MICROWAVE SURVEY METER	Lutron	EMF-839	2021.10.09	2022.10.08	

7. EMISSION TEST

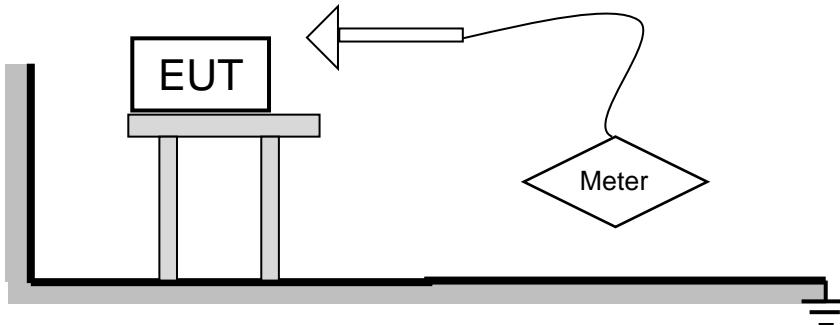
7.1. Radiation Hazard

7.1.1. Limits of Radiation Hazard

Maximum Emission, mW/cm ²
1.00

7.1.2. Test Procedure

The EUT was set-up according to the FCC MP-5 and FCC Part 18 for Radiation Hazard Measurement. The measurement was using a microwave leakage meter to measure the Radiation leakage in the as-received condition with the oven door closed. A 1000ml water load in a beaker was located in the center of the oven and the Microwave Oven was set to maximum power. While the oven operating, the microwave meter will check the leakage and then record the maximum leakage.



For the actual test configuration, please refer to Appendix I: Photographs of the Test Configuration.

7.1.3. Test Data

Condition	Maximum Emission, mW/cm ²
A	0.2986
B	0.1546
C	0.1478
D	0.1736
E	0.1864
F	0.1548
G	--
M. UNCERTAINTY:	0.0002

7.2. Operating Frequency

7.2.1. Limits of Operating Frequency

ISM equipment may be operated on any frequency above 9 kHz. And the frequency band 2400-2500MHz is allocated for use by ISM equipment. (§18.301)

ISM frequency	Tolerance
6.78 MHz	±15.0 kHz
13.56 MHz	±7.0 kHz
27.12 MHz	±163.0 kHz
40.68 MHz	±20.0 kHz
915 MHz	±13.0 MHz
2,450 MHz	±50.0 MHz
5,800 MHz	±75.0 MHz
24,125 MHz	±125.0 MHz
61.25 GHz	±250.0 MHz
122.50 GHz	±500.0 MHz
245.00 GHz	±1.0 GHz

7.2.2. Test Procedure

a. FREQUENCY FOR NORMAL VOLTAGE

The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, a 1000mL water load was placed in the center of the oven and the oven was operated at maximum output power. The fundamental operating frequency was monitored until the water load was reduced to 20 percent of the original load.

b. FREQUENCY FOR LINE VOLTAGE

The EUT was operated / warmed by at least 10 minutes of use with a 1000 mL water load at room temperature at the beginning of the test. Then the operating frequency was monitored as the input voltage was varied between 80 and 125 percent of the nominal rating.

7.2.3. Test Data

Item	START Frequency (MHz)	STOP Frequency (MHz)	Detector
FREQUENCY FOR NORMAL VOLTAGE	2414.4	2469.45	Peak
FREQUENCY FOR LINE VOLTAGE	2414.2	2469.96	Peak

7.3. RF Output Power Measurement

7.3.1. Test Procedure

Formula :

$$P = \frac{4.2 \times m_w (T_2 - T_1) + 0.5 \times m_c (T_2 - T_0)}{t}$$

NOTE :

P is the microwave power output, in watts

m_w is the mass of the water, in grams

m_c is the mass of the container, in grams

T_0 is the ambient temperature, in degrees Celsius

T_1 is the initial temperature of the water, in degrees Celsius

T_2 is the final temperature of the water, in degrees Celsius

t is the heating time, in seconds, excluding the magnetron filament heating-up time.

7.3.2. EUT operation

The EUT in microwave mode with full power.

7.3.3. Test Data

Mass of water(g)	Mass of the container(g)	Ambient temperature(°C)	Initial temperature(°C)	Final temperature(°C)	Heating time(S)	Power output(watts)
1000	480	23.8	10	27	120	602.04

7.4. Conducted Disturbance Measurement

7.4.1. Limits of conducted disturbance voltage

(A) All other part 18 consumer devices:		
Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

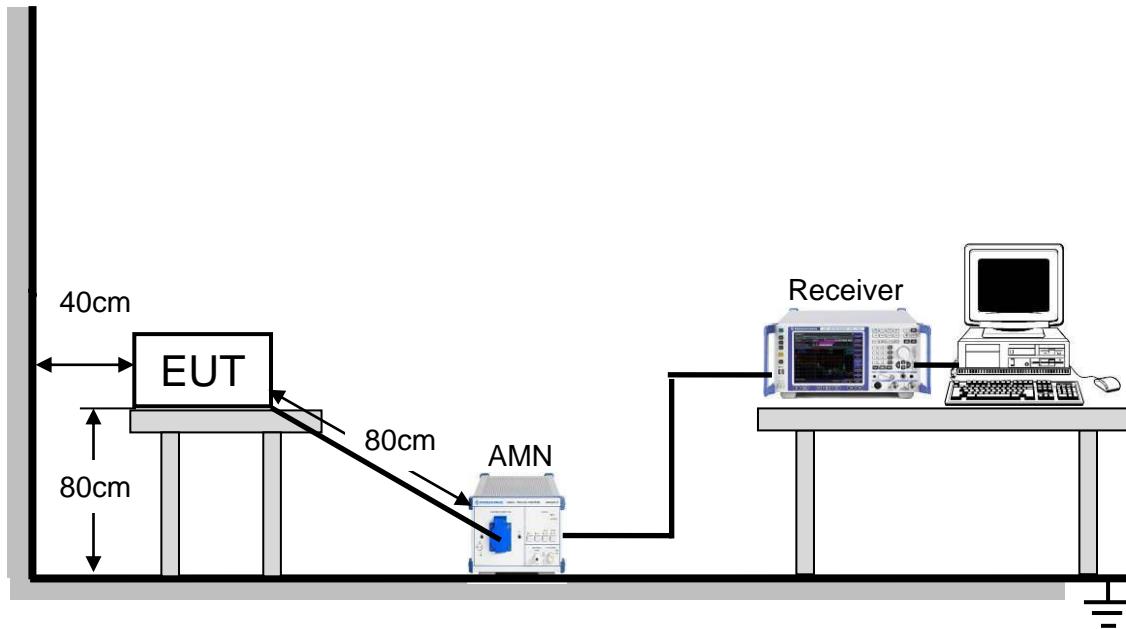
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

7.4.2. Test Procedure

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. LISN at least 80 cm from nearest part of EUT chassis.
- d. For the actual test configuration, please refer to the related Item:EUT Test Photos.

7.4.3. Test Setup



For the actual test configuration, please refer to Appendix I: Photographs of the Test Configuration.

7.4.4. Test Environment

Temperature:	28°C
Humidity:	44%
ATM pressure:	101kPa

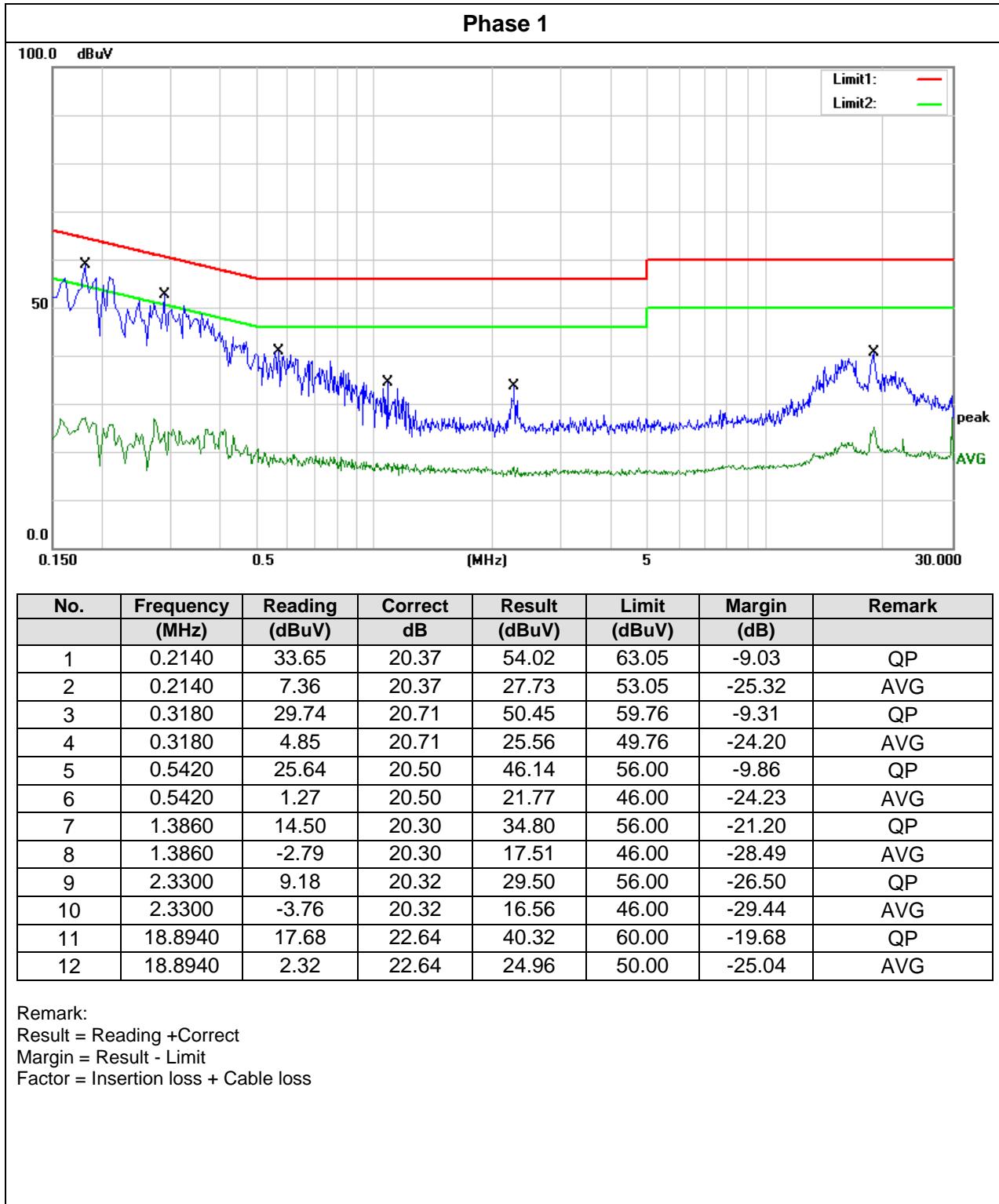
7.4.5. Test Mode

Pre-test Mode:	Mode 1
Final Test Mode:	Mode 1

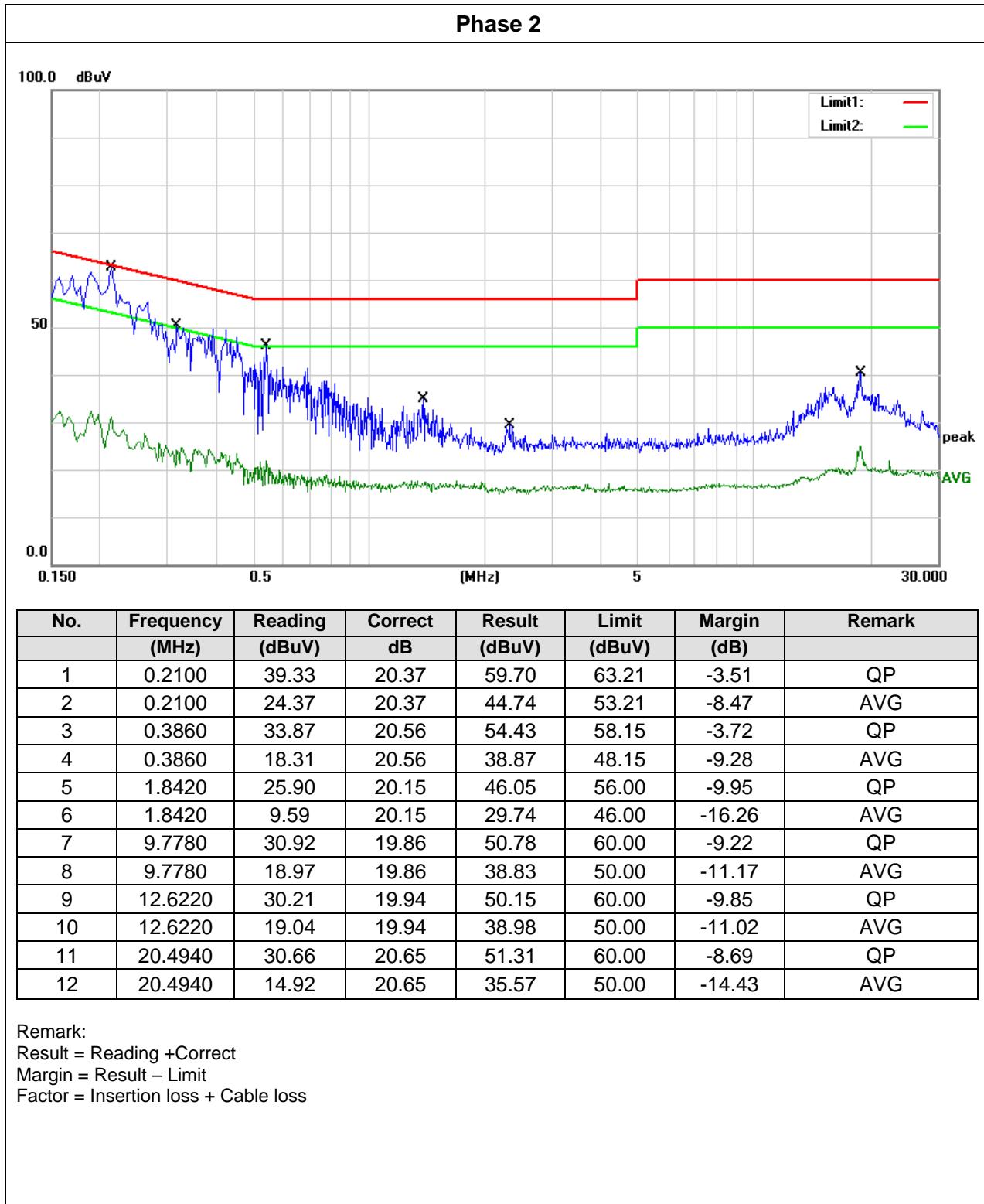
Note: According to pre-test results, the final test mode is each independent function's worst case and only shown in the report.

7.4.6. Test Results

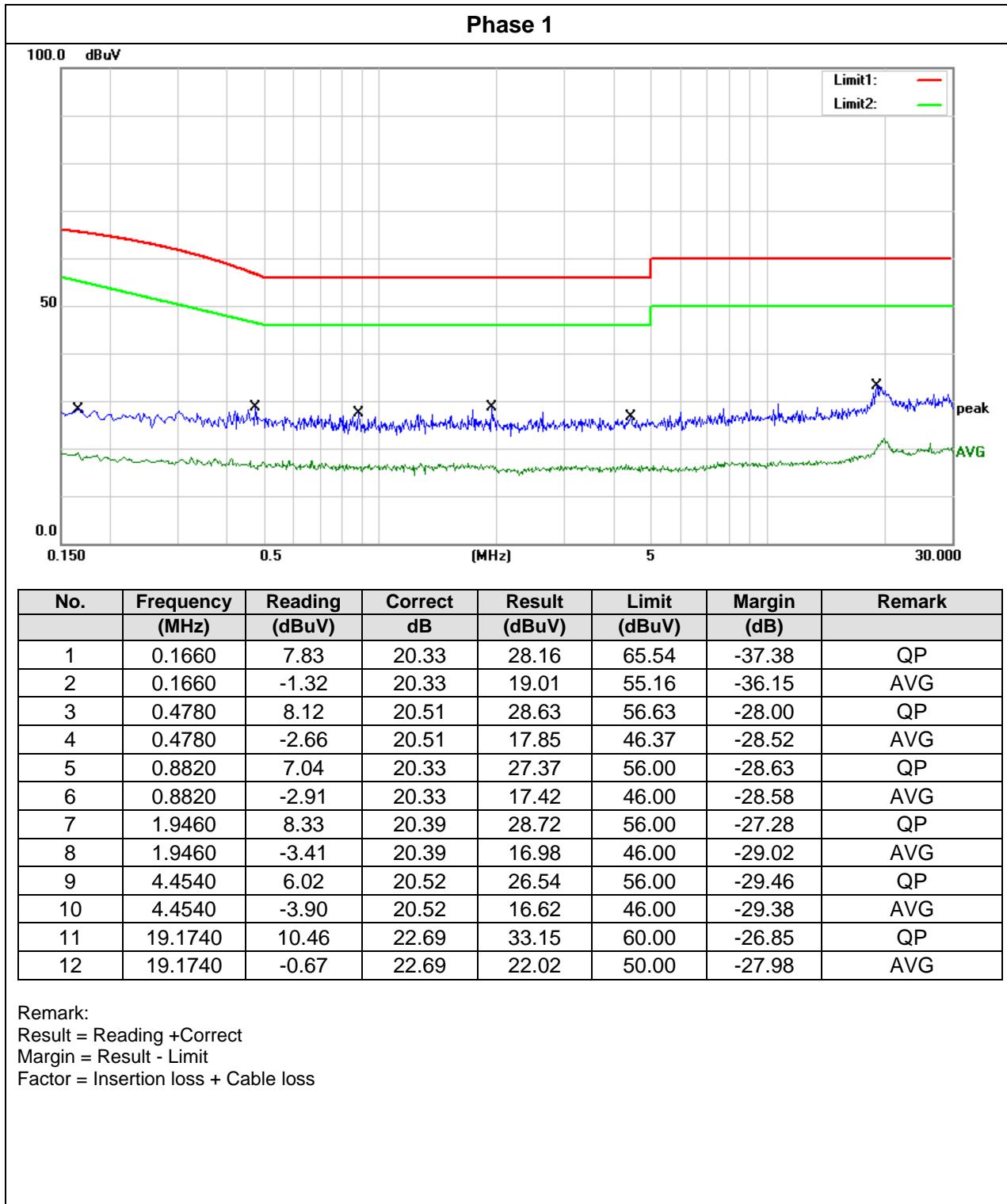
Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz



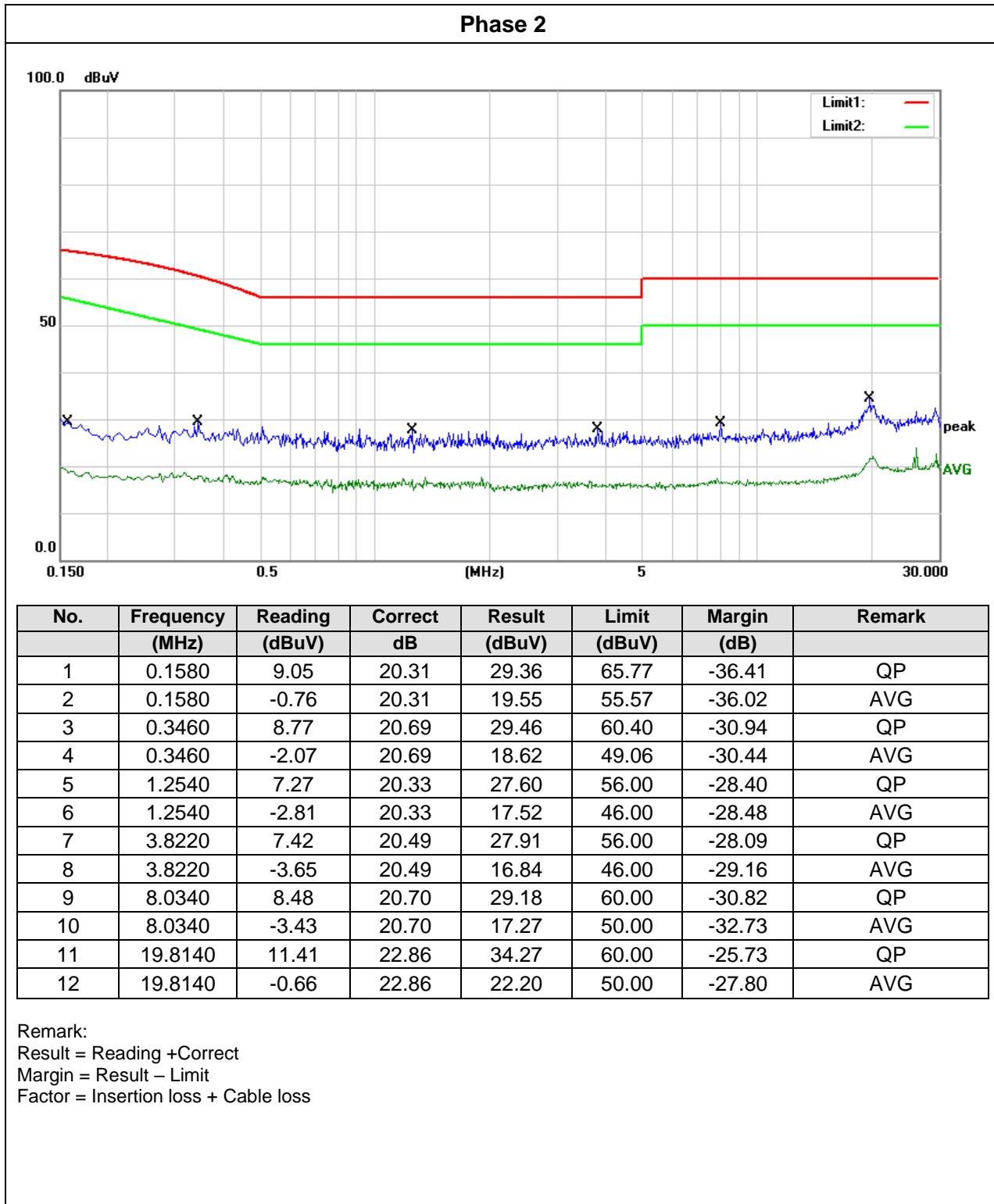
Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



7.5. Radiated Disturbance Measurement

7.5.1. Limits of radiated disturbance measurement

Field strength limits

(1) ISM equipment operating on a frequency specified in §18.301 is permitted unlimited radiated energy in the band specified for that frequency.

(2) The field strength levels of emissions which lie outside the bands specified in §18.301, unless otherwise indicated, shall not exceed the following:

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25 × SQRT(power/500)	300 1300

Power =602.04W according to 7.3 calculated value

Limit=20lg(25*SQRT(power/500))+20lg(300/3) @ 3m distance.

NOTE:

- (1) The limit for radiated test was performed according to;
- (2) The tighter limit applies at the band edges;
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m),
3m Emission level = 300m Emission level + 20log(300m/3m);

The following table is the setting of the receiver

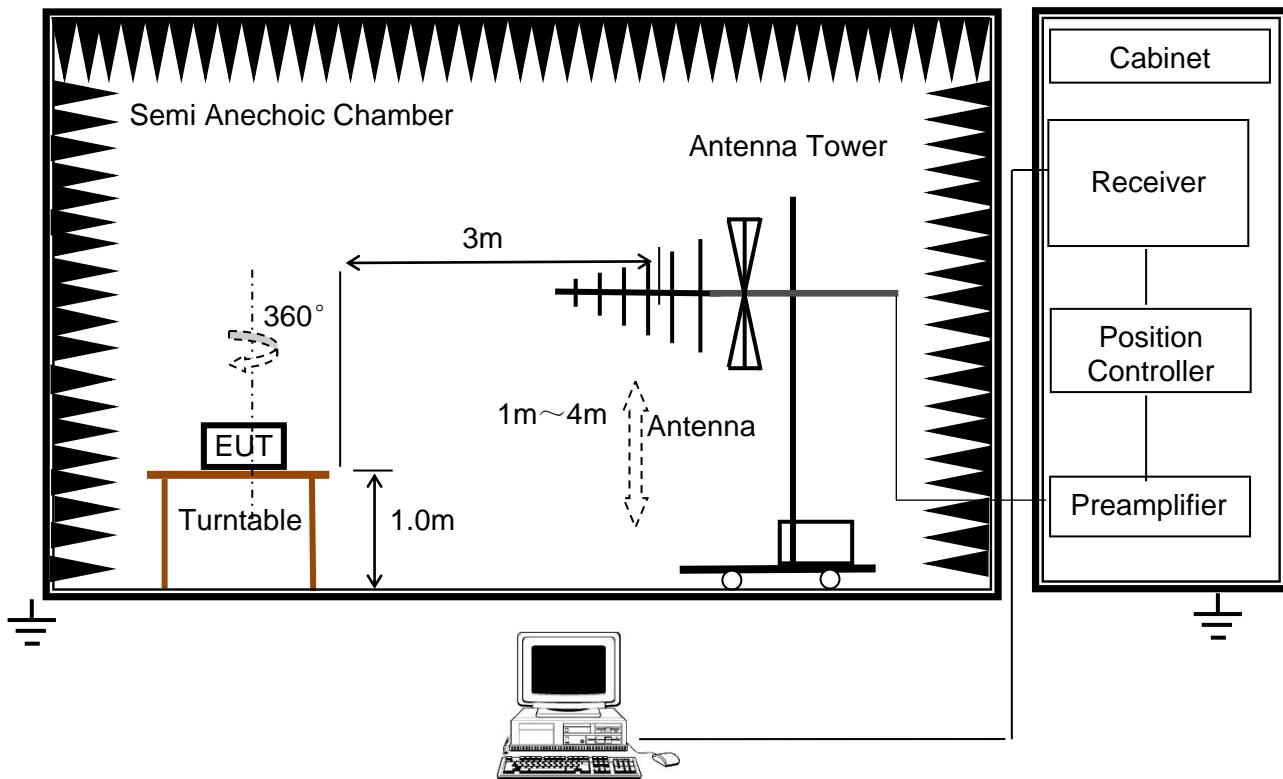
Receiver Parameters	Setting
Attenuation	-- dB
Start Frequency	0.009 MHz
Stop Frequency	25GHz
IF Bandwidth	200Hz, 9 kHz, 120 kHz, 1MHz

7.5.2. Test Procedure

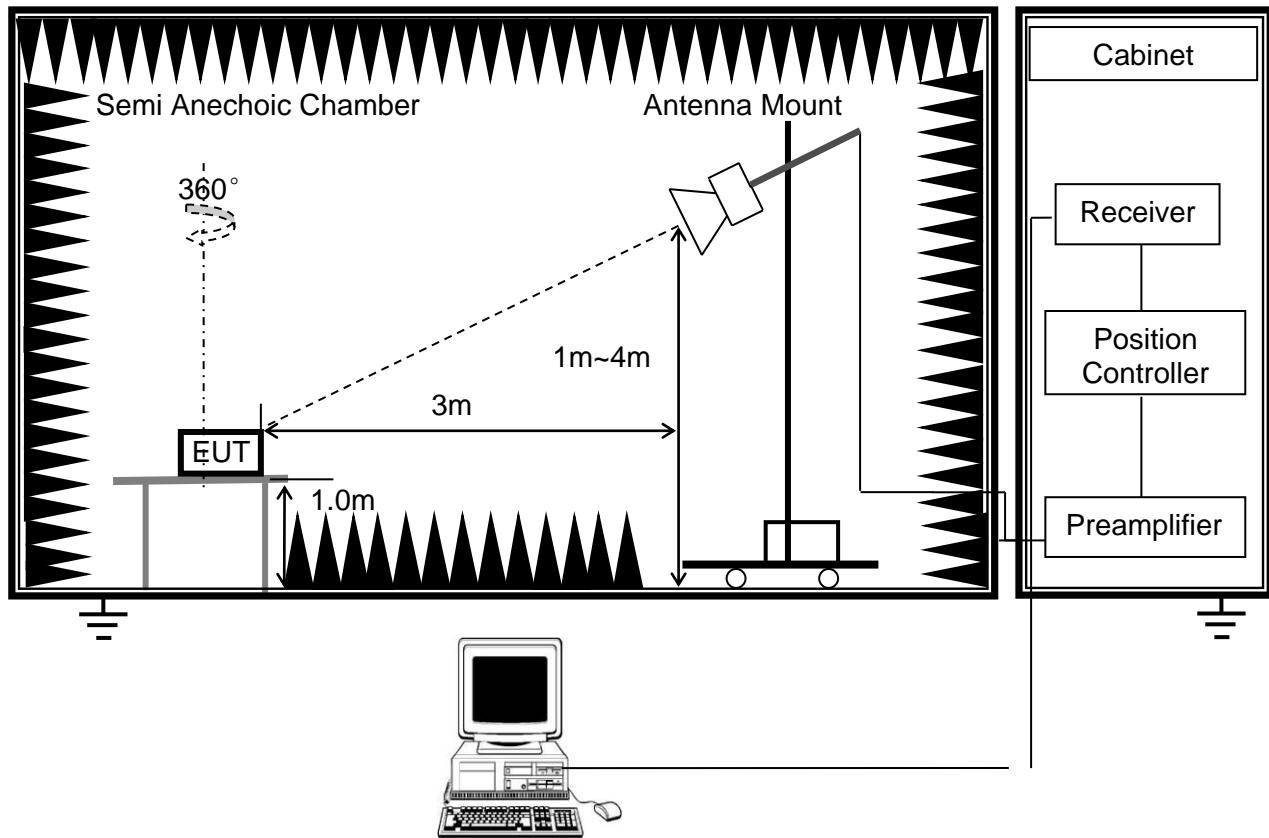
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz.
- b. The EUT was placed on the top of a rotating table 1.0 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the actual test configuration, please refer to the related Item:EUT Test Photos.

7.5.3. Test Setup

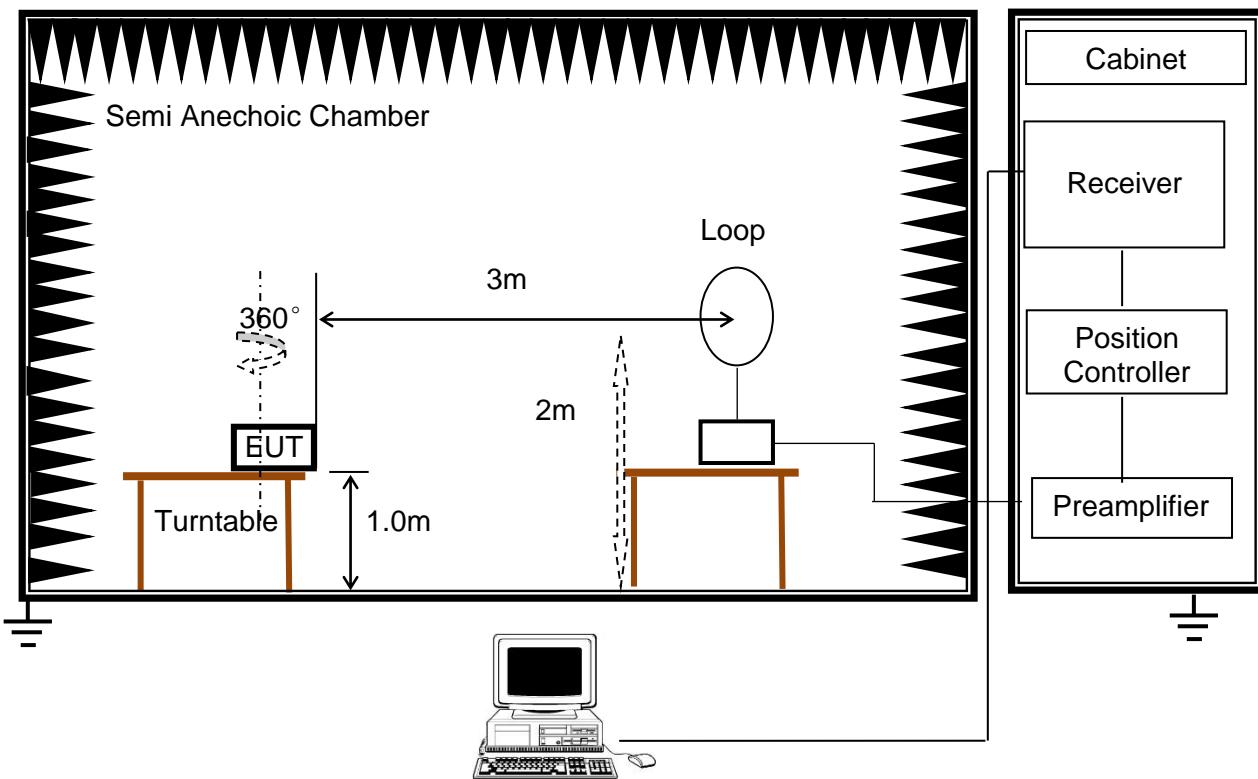
(a) Radiated Disturbance Test Set-Up Frequency 30MHz - 1GHz



(b) Radiated Disturbance Test Set-Up Frequency above 1GHz



(C) Radiated Disturbance Test Set-Up Frequency 9KHz-30MHz



For the actual test configuration, please refer to Appendix I: Photographs of the Test Configuration.

7.5.4. Test Environment

Radiated Disturbance - below 1 GHz		Radiated Disturbance - above 1 GHz	
Temperature:	24.6°C	Temperature:	24.6°C
Humidity:	43%	Humidity:	43%
ATM pressure:	101kPa	ATM pressure:	101kPa

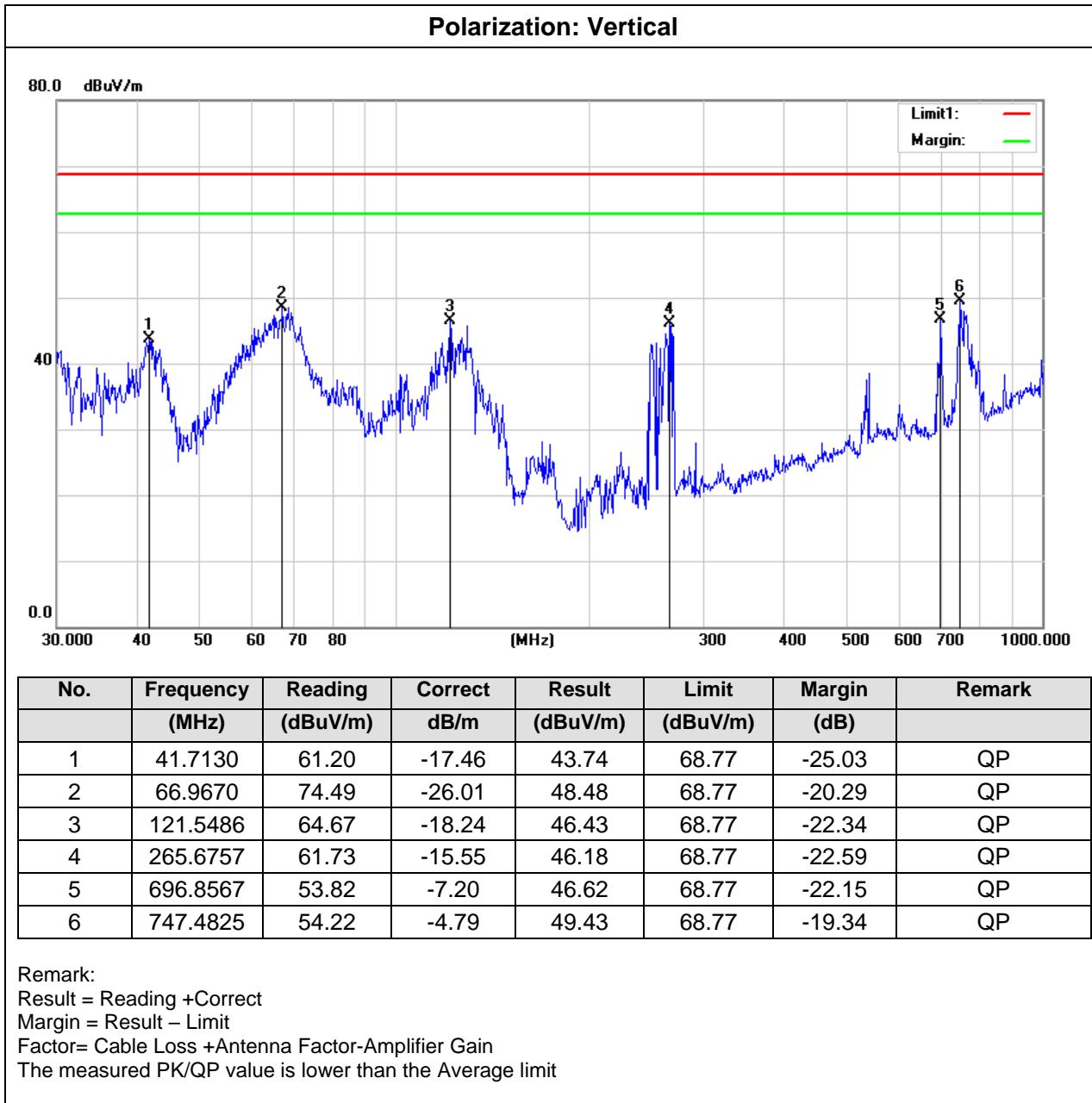
7.5.5. Test Mode

Radiated Disturbance - below 1 GHz		Radiated Disturbance - above 1 GHz	
Pre-test Mode:	Mode 1	Pre-test Mode:	Mode 1
Final Test Mode:	Mode 1	Final Test Mode:	Mode 1

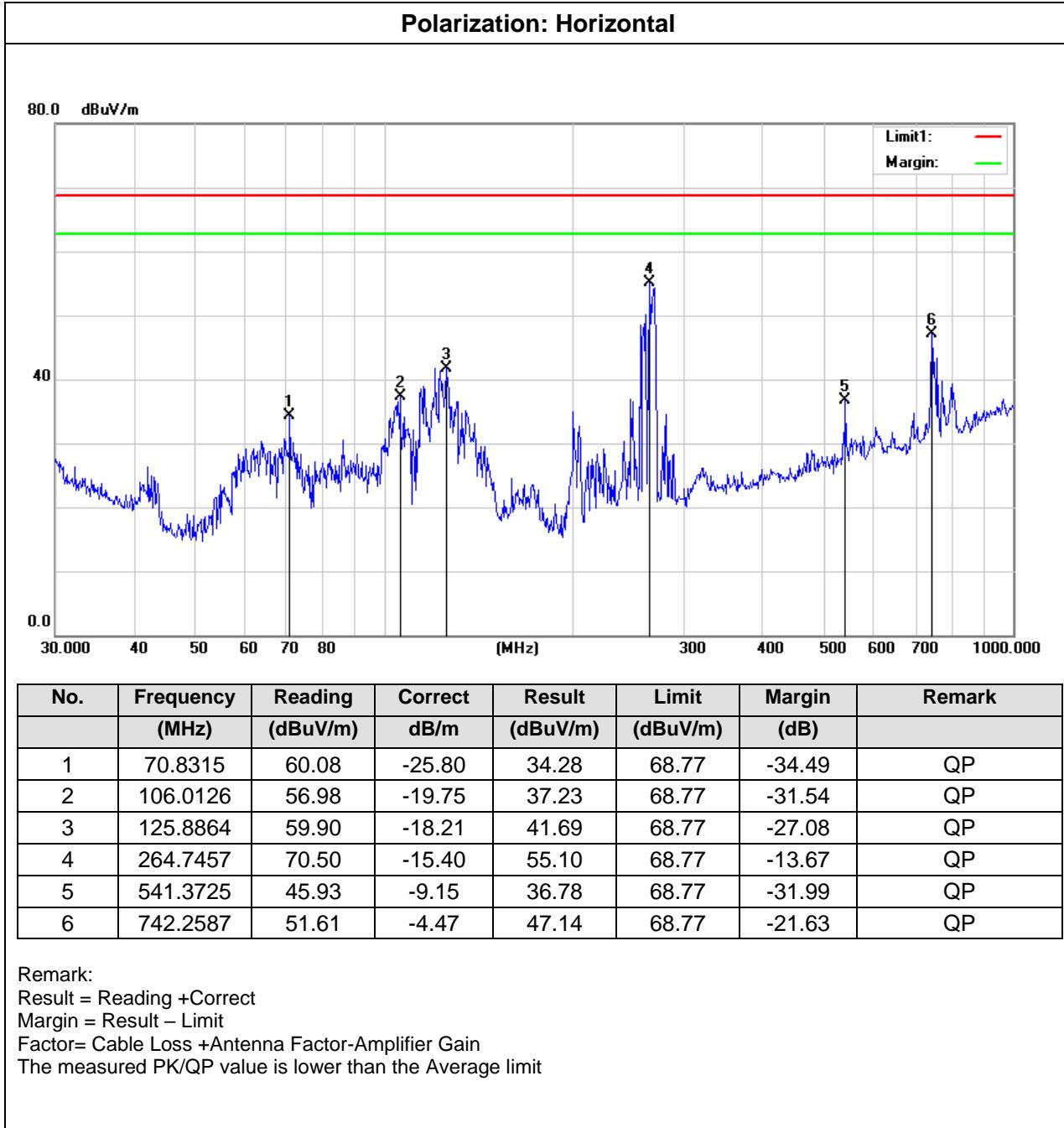
Note: According to pre-test results, the final test mode is each independent function's worst case and only shown in the report.

7.5.6. Test Results – below 1GHz(30~1000MHz)

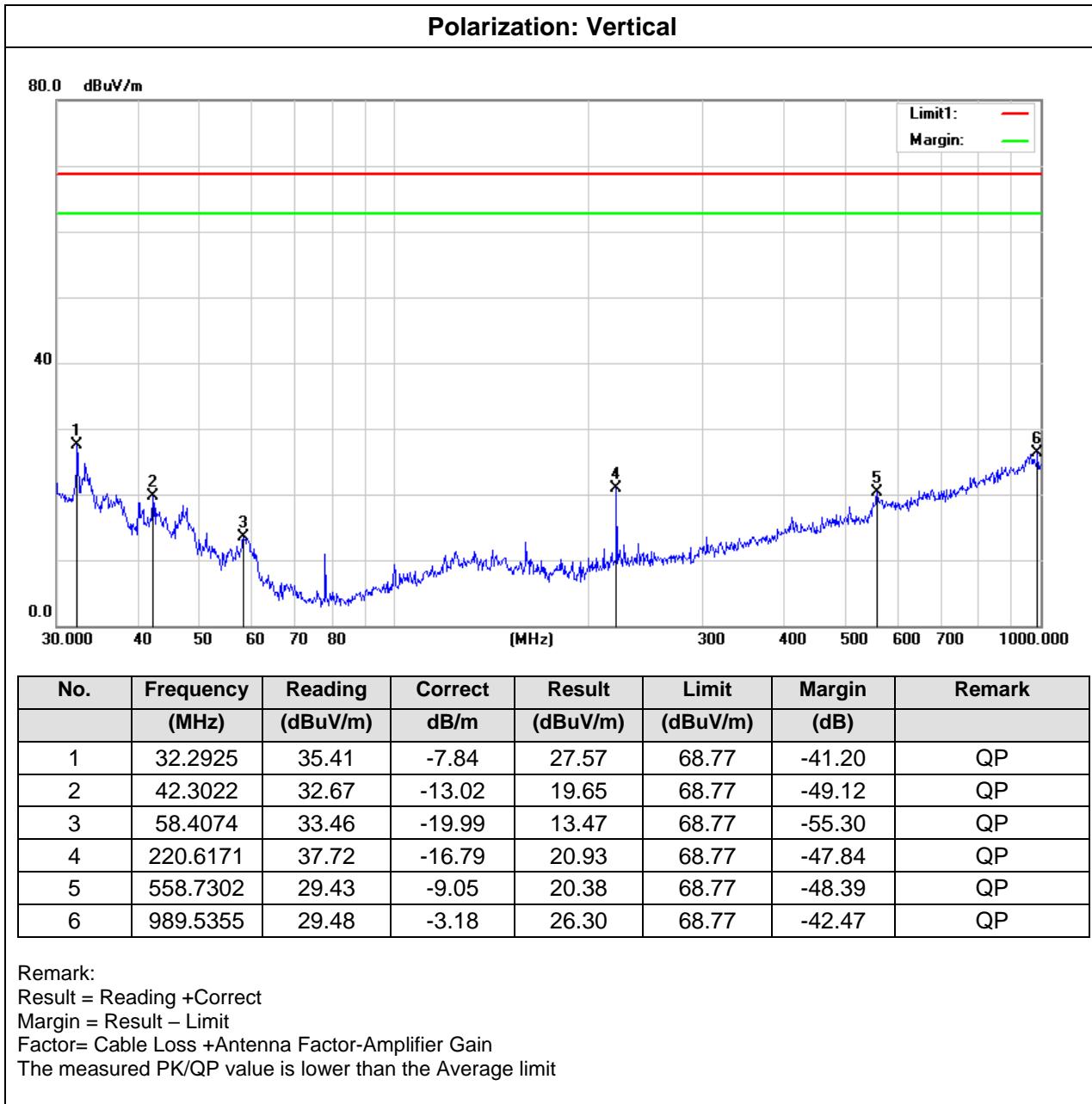
Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz



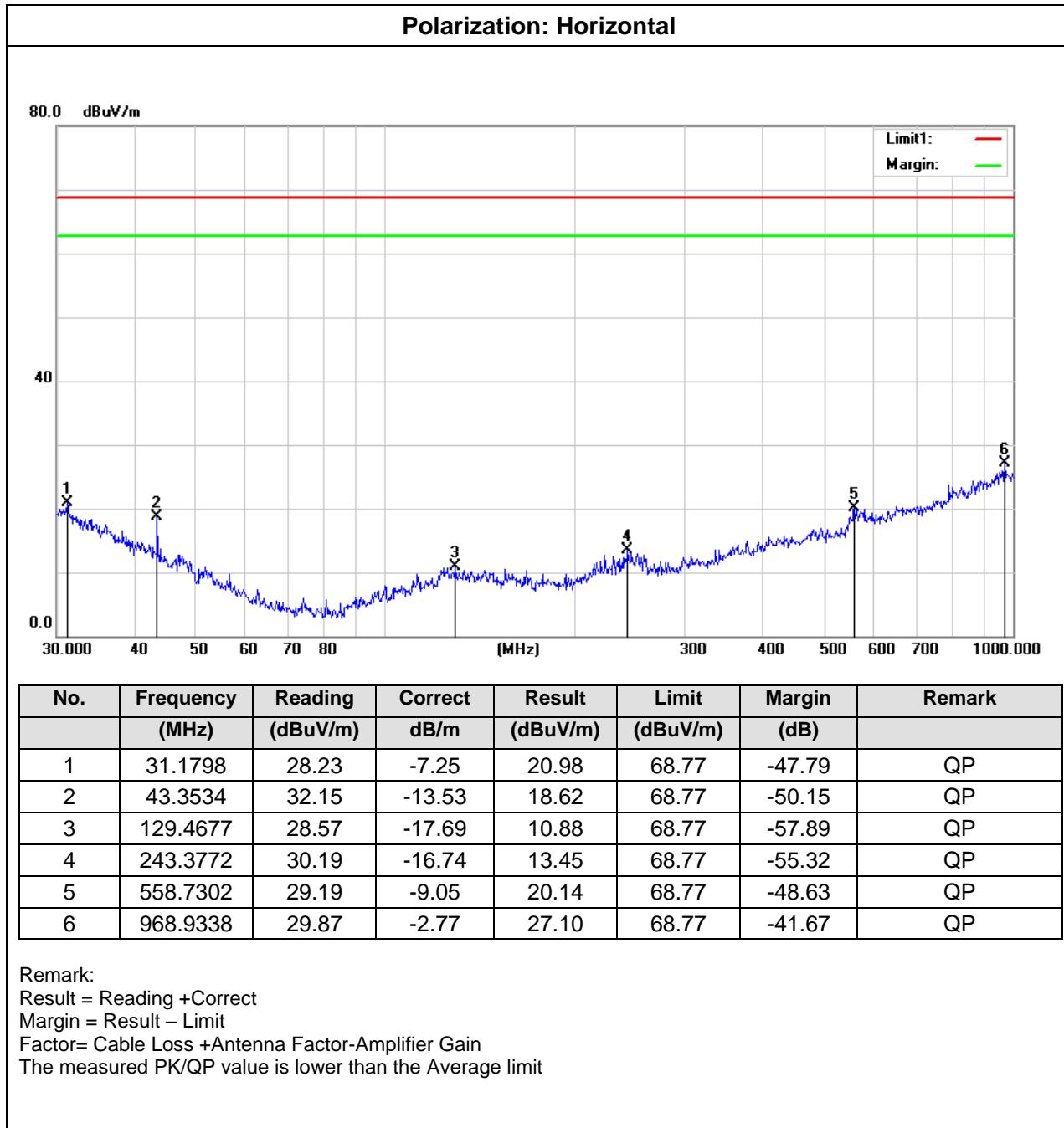
Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz

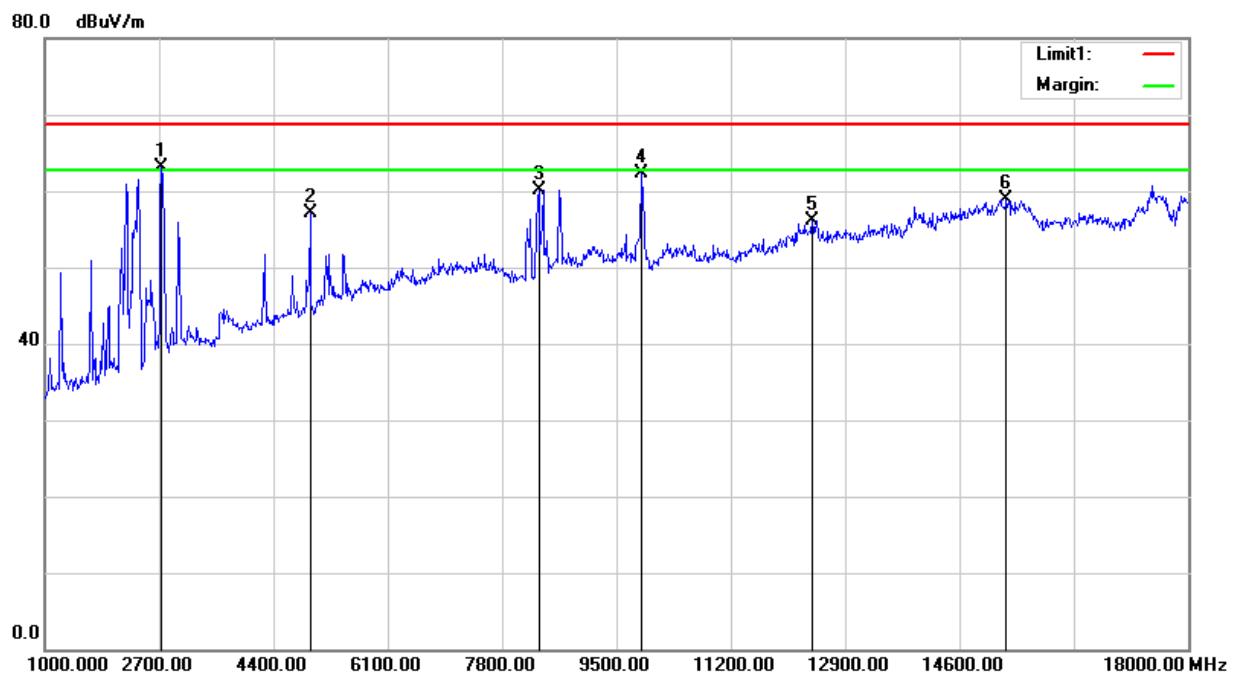


7.5.7. Test Results – above 1GHz

(1GHz-18GHz)

Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	62.31	0.82	63.13	68.77	-5.64	peak
2	4944.000	51.19	5.98	57.17	68.77	-11.60	peak
3	8344.000	48.01	12.07	60.08	68.77	-8.69	peak
4	9874.000	48.58	13.64	62.22	68.77	-6.55	peak
5	12407.000	40.62	15.40	56.02	68.77	-12.75	peak
6	15297.000	41.34	17.55	58.89	68.77	-9.88	peak

Remark:

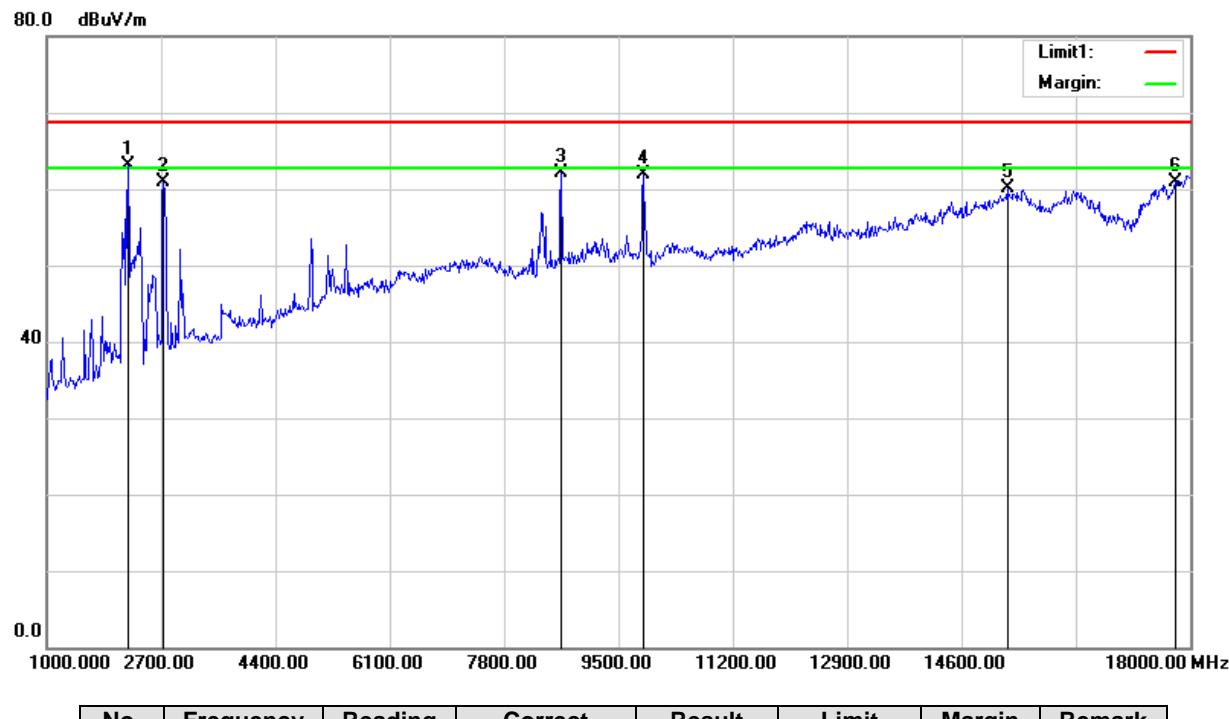
Result = Reading +Correct

Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2207.000	64.02	-0.84	63.18	68.77	-5.59	peak
2	2734.000	60.00	0.82	60.82	68.77	-7.95	peak
3	8650.000	48.96	13.18	62.14	68.77	-6.63	peak
4	9874.000	48.27	13.64	61.91	68.77	-6.86	peak
5	15280.000	42.45	17.59	60.04	68.77	-8.73	peak
6	17779.000	36.87	24.10	60.97	68.77	-7.80	peak

Remark:

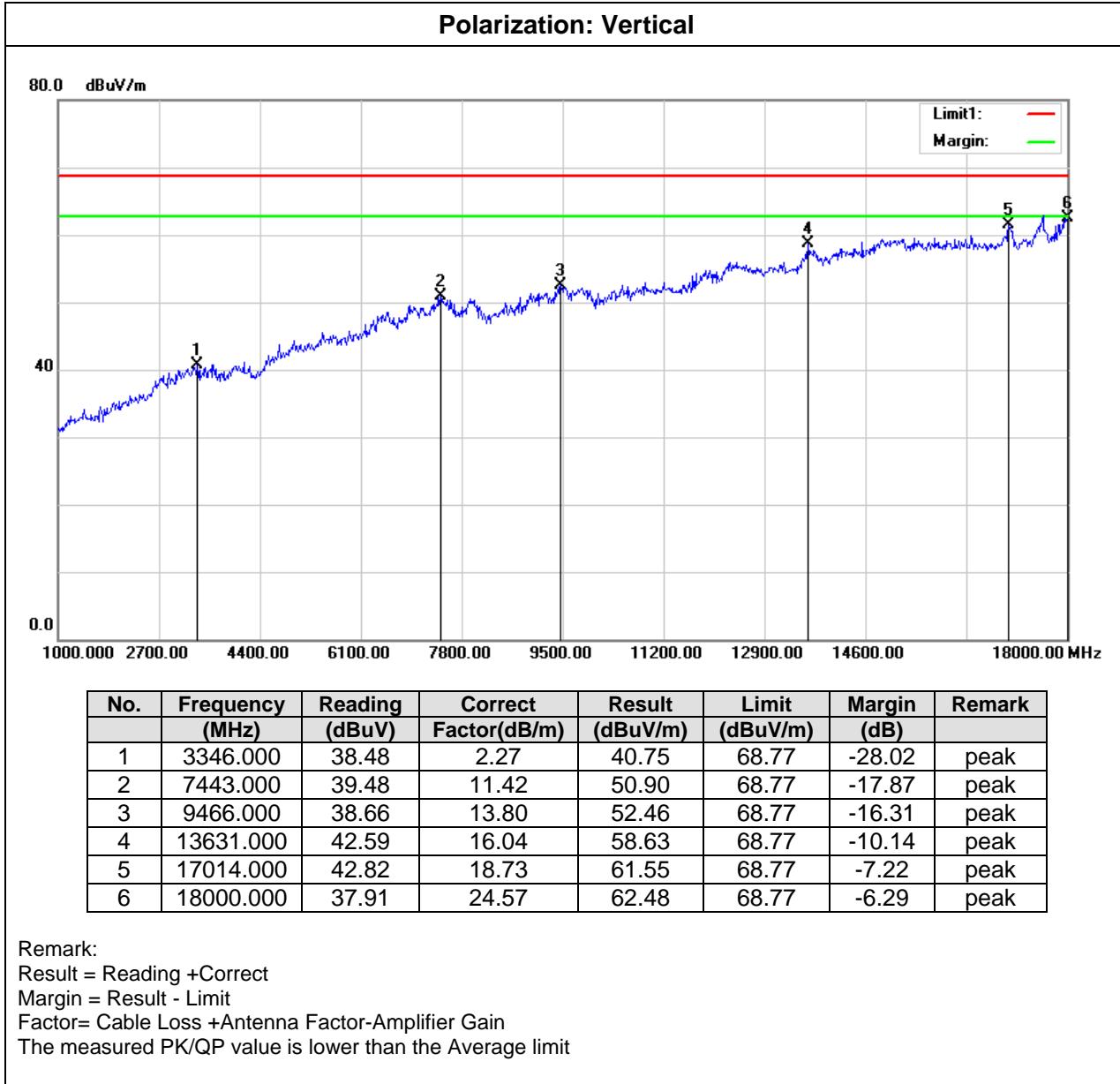
Result = Reading +Correct

Margin = Result - Limit

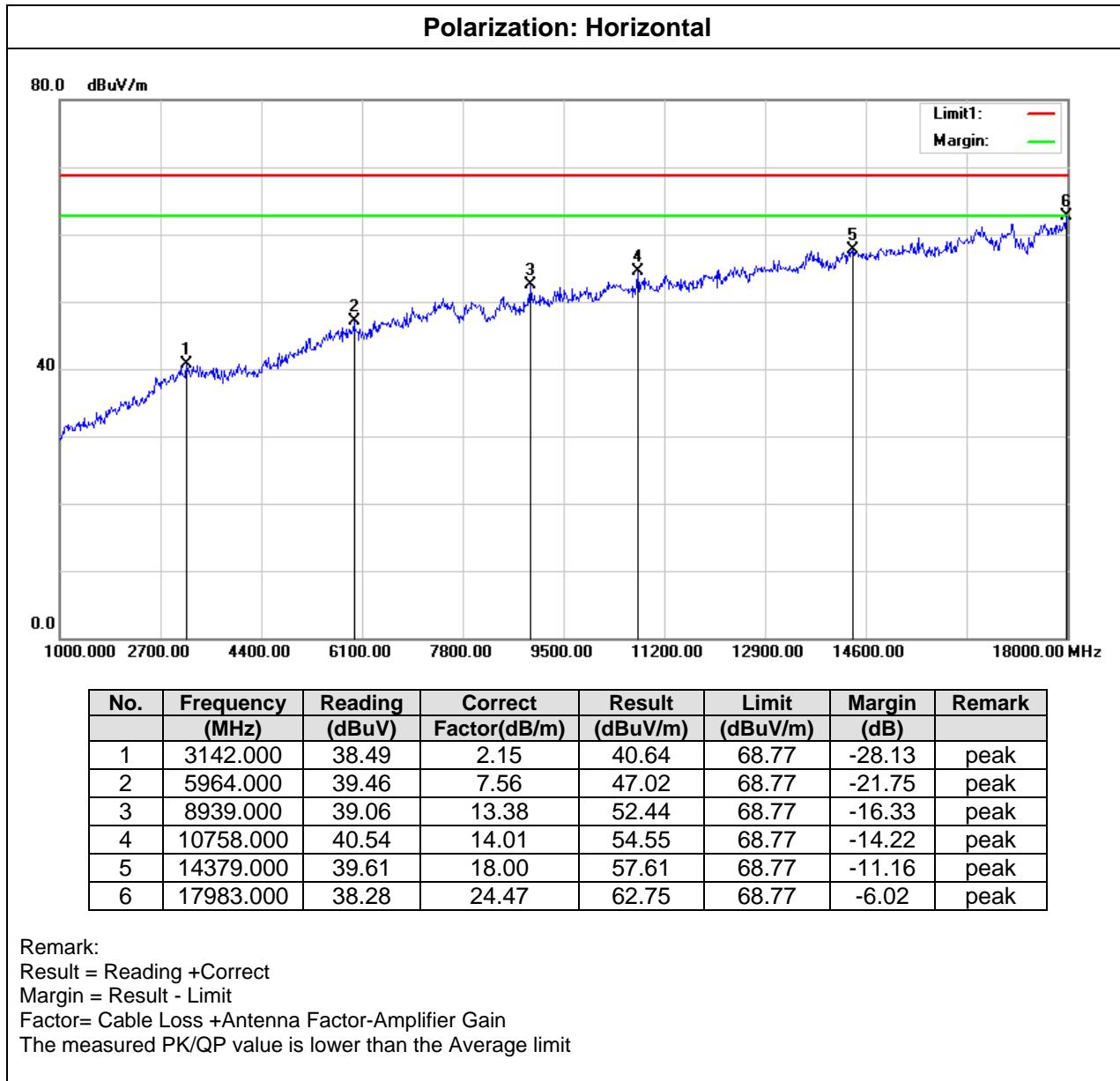
Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz

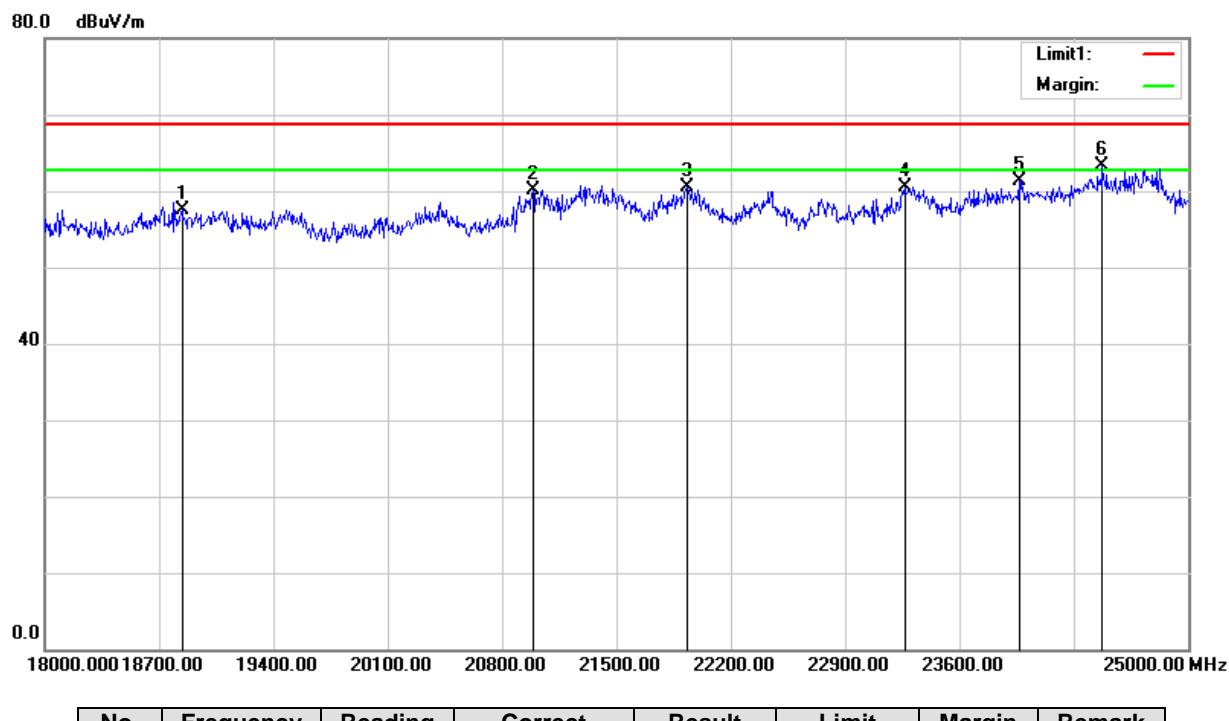


Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



(18GHz-25GHz)

Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz

Polarization: Vertical

Remark:

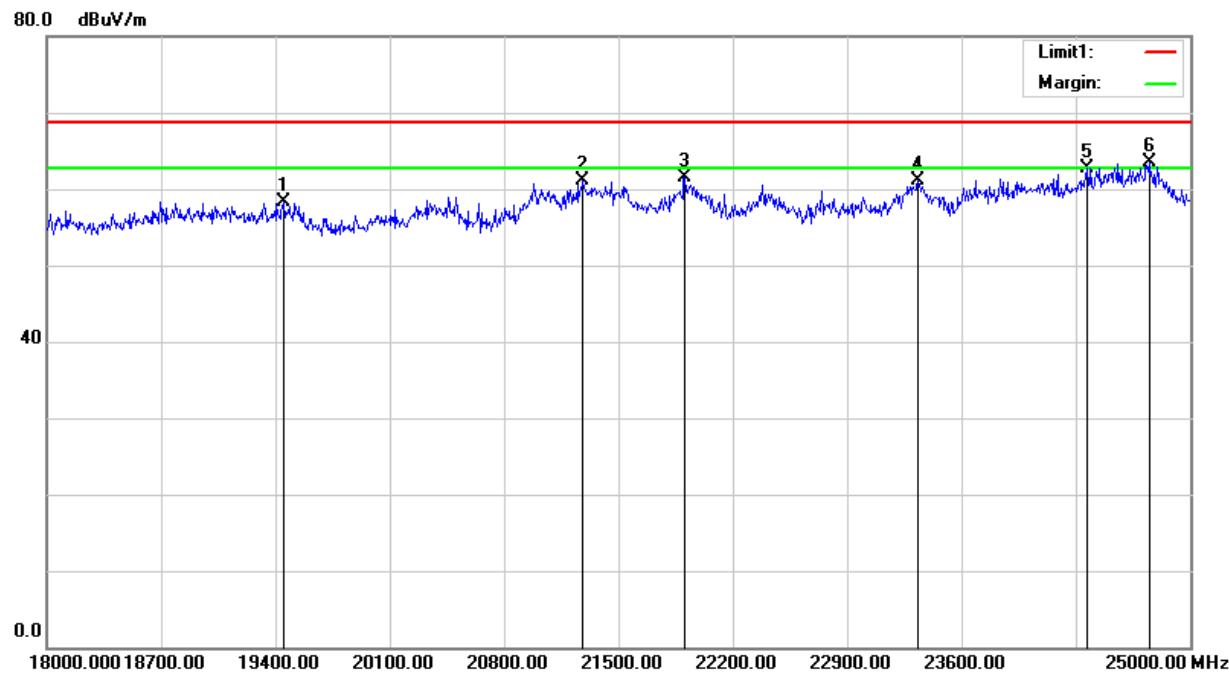
Result = Reading +Correct

Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19449.000	32.79	25.43	58.22	68.77	-10.55	peak
2	21283.000	36.32	24.81	61.13	68.77	-7.64	peak
3	21906.000	36.99	24.59	61.58	68.77	-7.19	peak
4	23334.000	36.49	24.67	61.16	68.77	-7.61	peak
5	24370.000	37.76	24.94	62.70	68.77	-6.07	peak
6	24748.000	38.48	24.96	63.44	68.77	-5.33	peak

Remark:

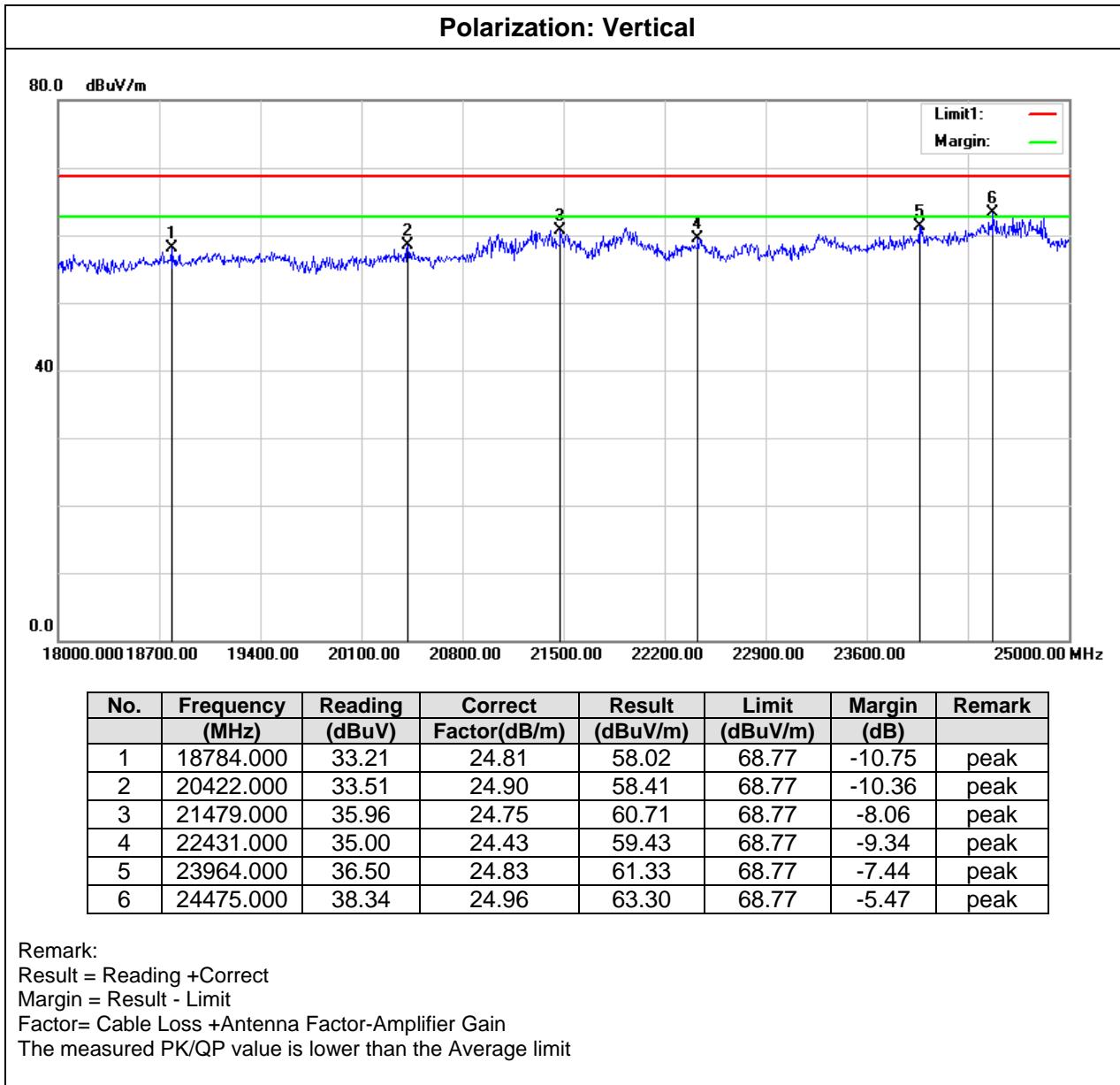
Result = Reading +Correct

Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

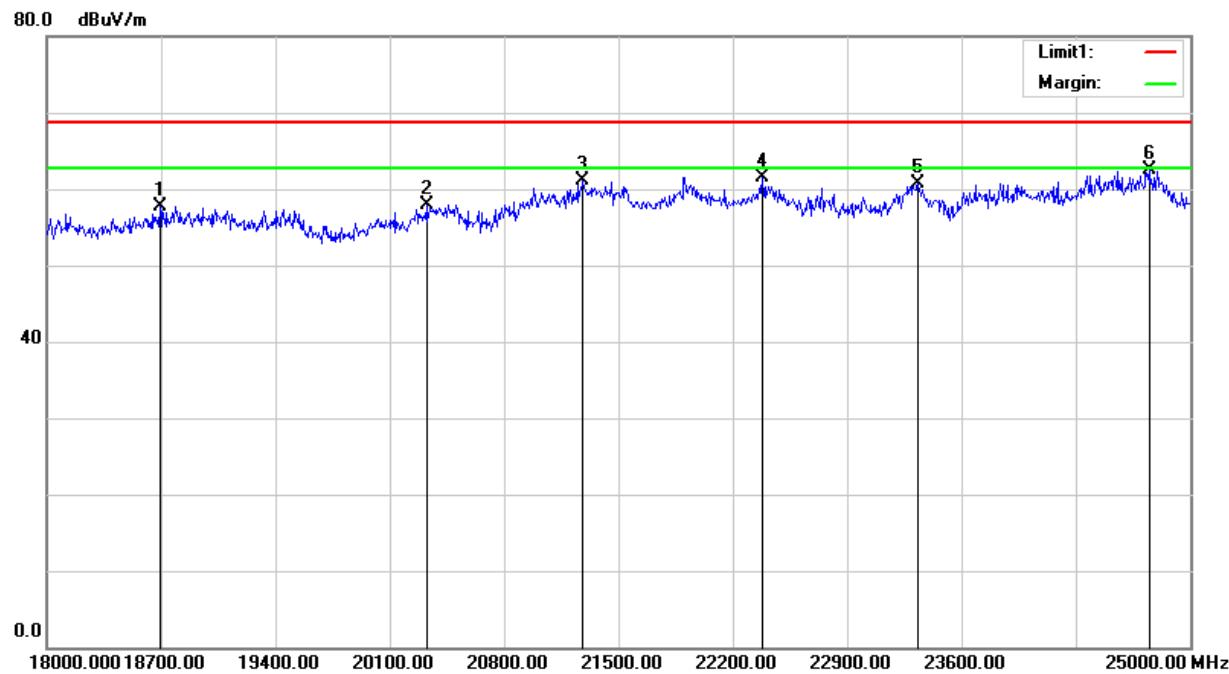
The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz

Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18693.000	33.15	24.63	57.78	68.77	-10.99	peak
2	20324.000	33.08	24.84	57.92	68.77	-10.85	peak
3	21283.000	36.32	24.81	61.13	68.77	-7.64	peak
4	22382.000	36.97	24.45	61.42	68.77	-7.35	peak
5	23334.000	35.99	24.67	60.66	68.77	-8.11	peak
6	24748.000	37.48	24.96	62.44	68.77	-6.33	peak

Remark:

Result = Reading +Correct

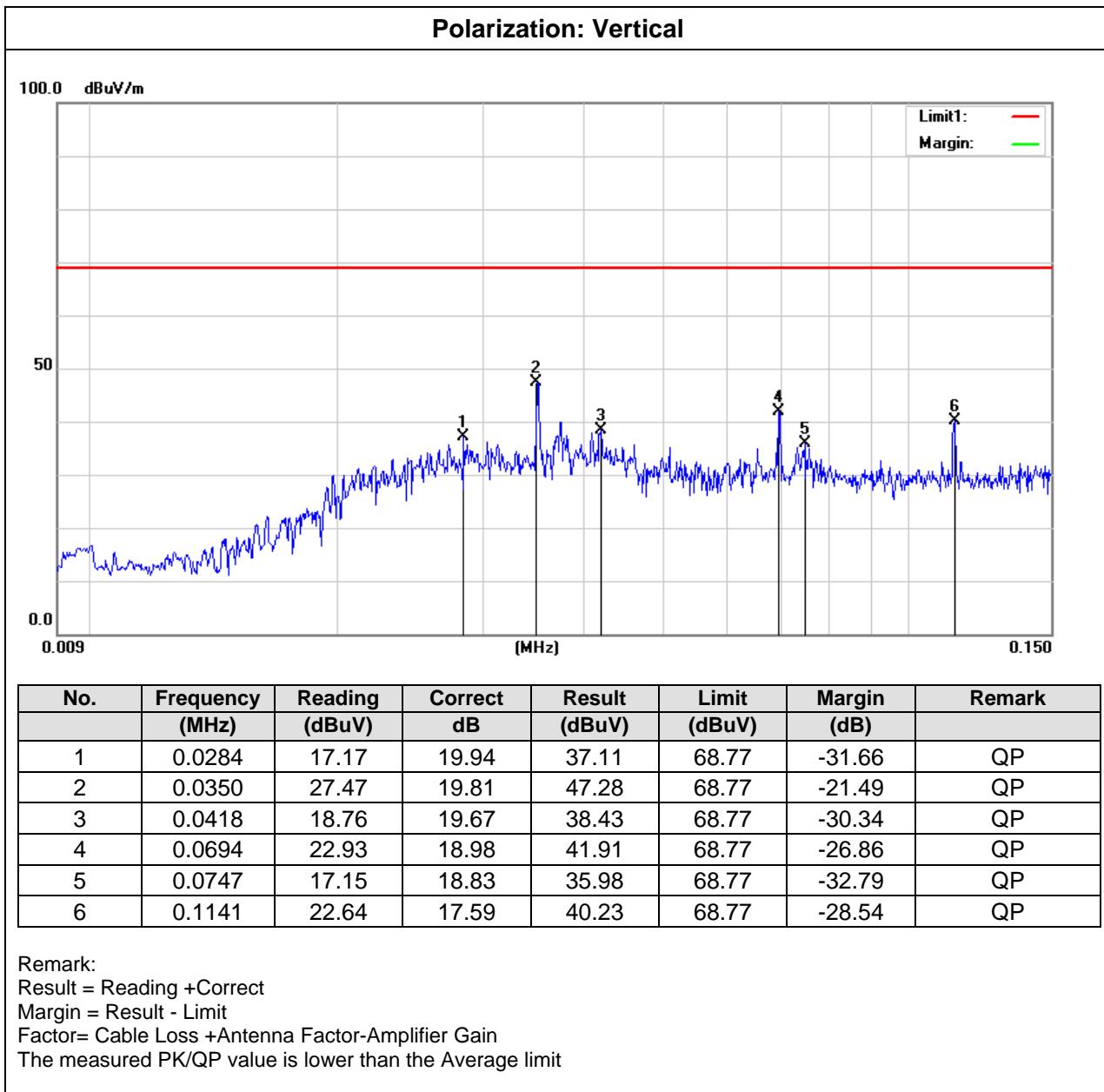
Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

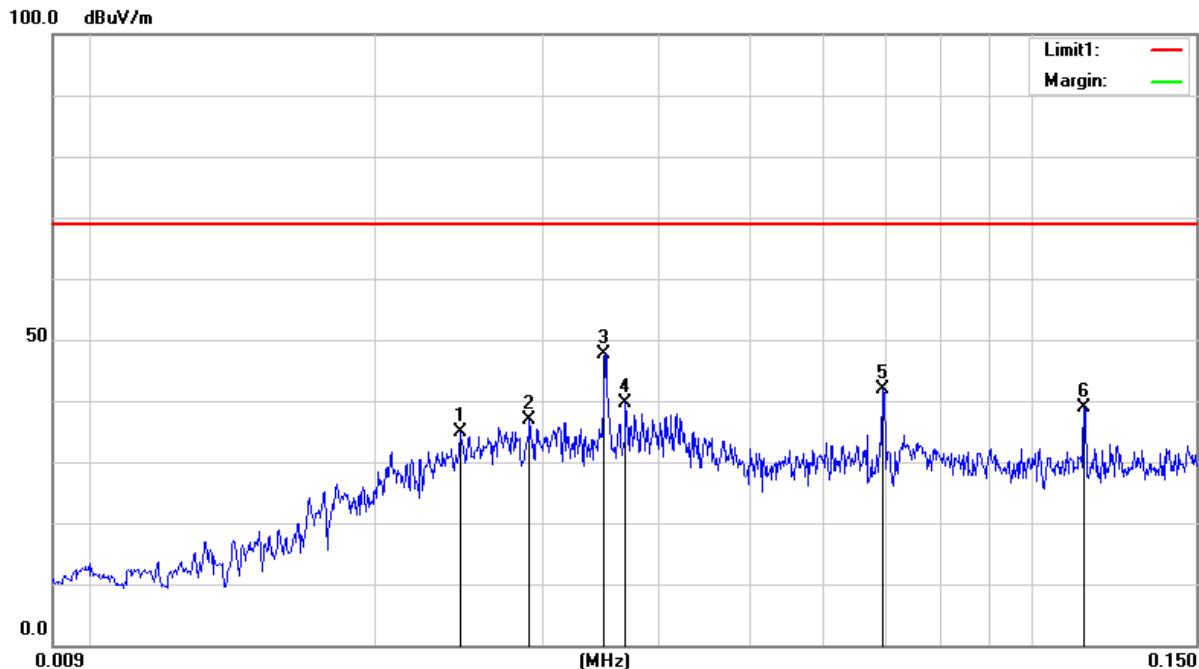
The measured PK/QP value is lower than the Average limit

7.5.8. Test Results – 9KHz-150KHz

Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0245	7.56	27.27	34.83	68.77	-33.94	peak
2	0.0291	11.27	25.71	36.98	68.77	-31.79	peak
3	0.0350	22.67	24.89	47.56	68.77	-21.21	peak
4	0.0367	14.83	24.71	39.54	68.77	-29.23	peak
5	0.0694	19.16	22.61	41.77	68.77	-27.00	peak
6	0.1140	17.19	21.80	38.99	68.77	-29.78	peak

Remark:

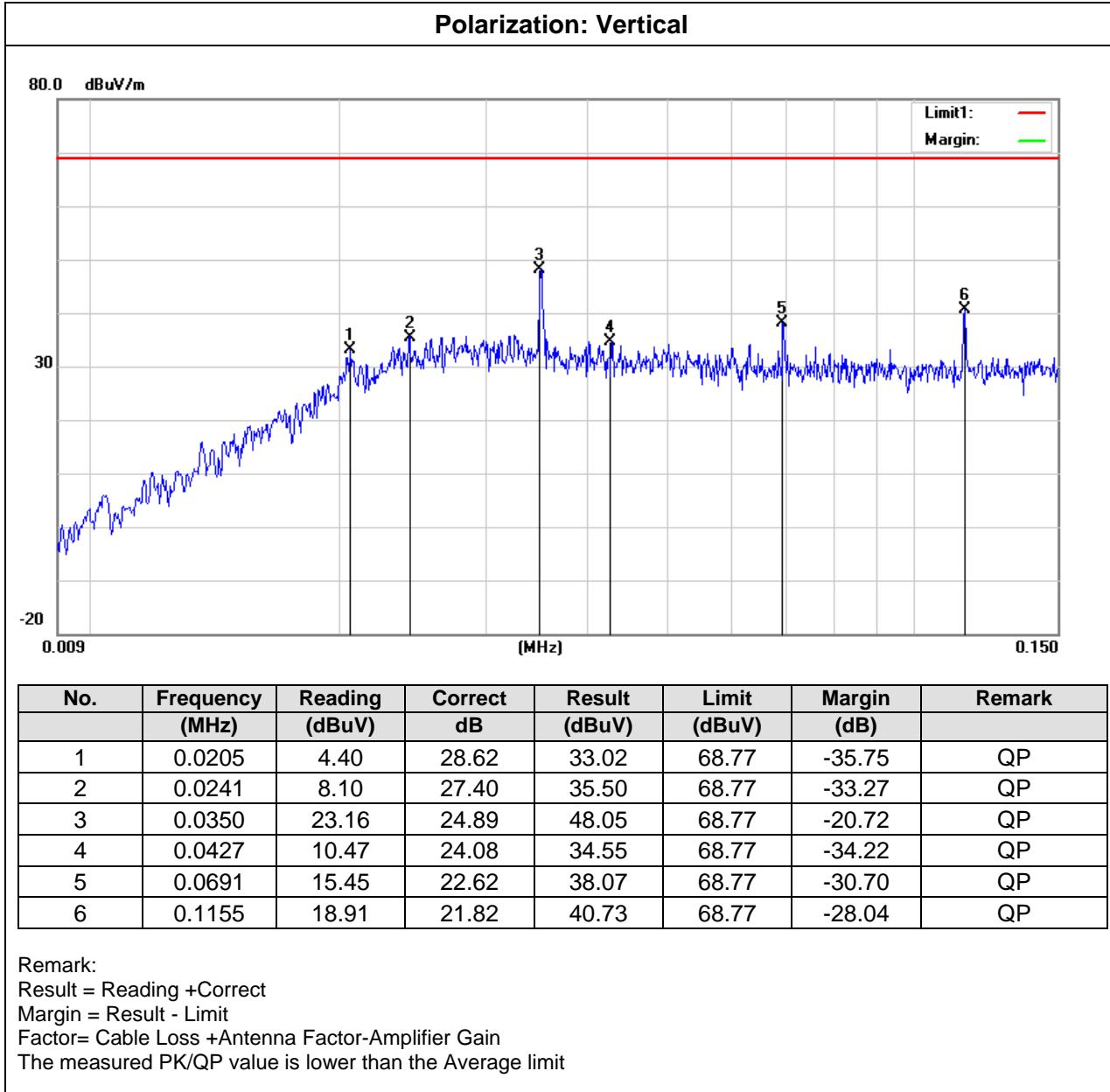
Result = Reading +Correct

Margin = Result - Limit

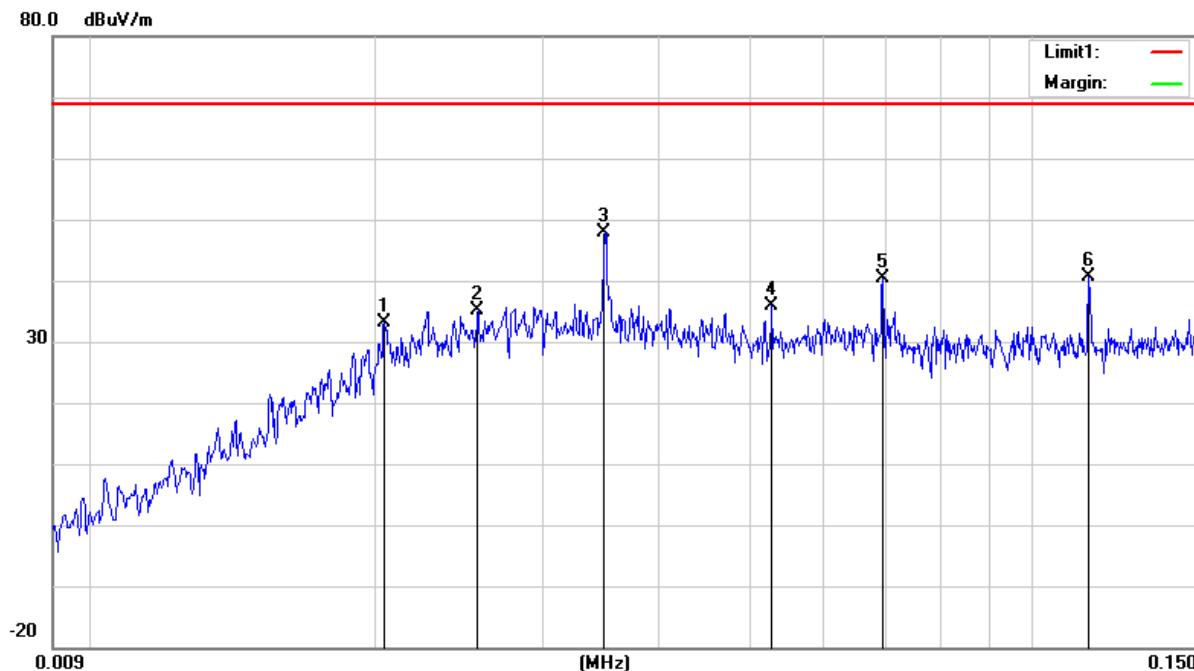
Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz



Test Mode:	Mode 2
Test Voltage:	AC 120V/60Hz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0204	4.38	28.66	33.04	68.77	-35.73	peak
2	0.0256	8.32	26.90	35.22	68.77	-33.55	peak
3	0.0350	23.03	24.89	47.92	68.77	-20.85	peak
4	0.0527	12.59	23.22	35.81	68.77	-32.96	peak
5	0.0694	17.86	22.61	40.47	68.77	-28.30	peak
6	0.1150	18.81	21.82	40.63	68.77	-28.14	peak

Remark:

Result = Reading +Correct

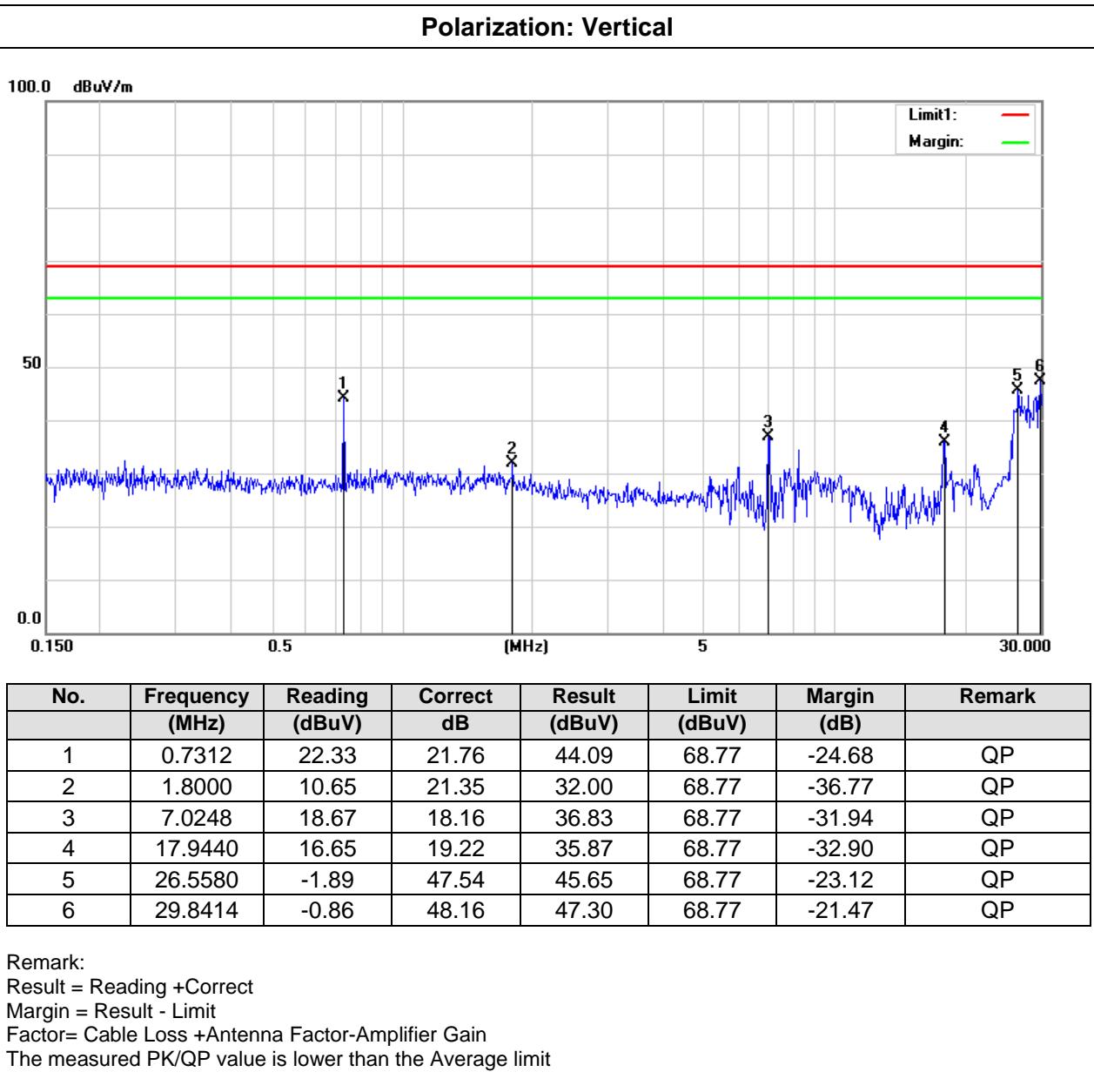
Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

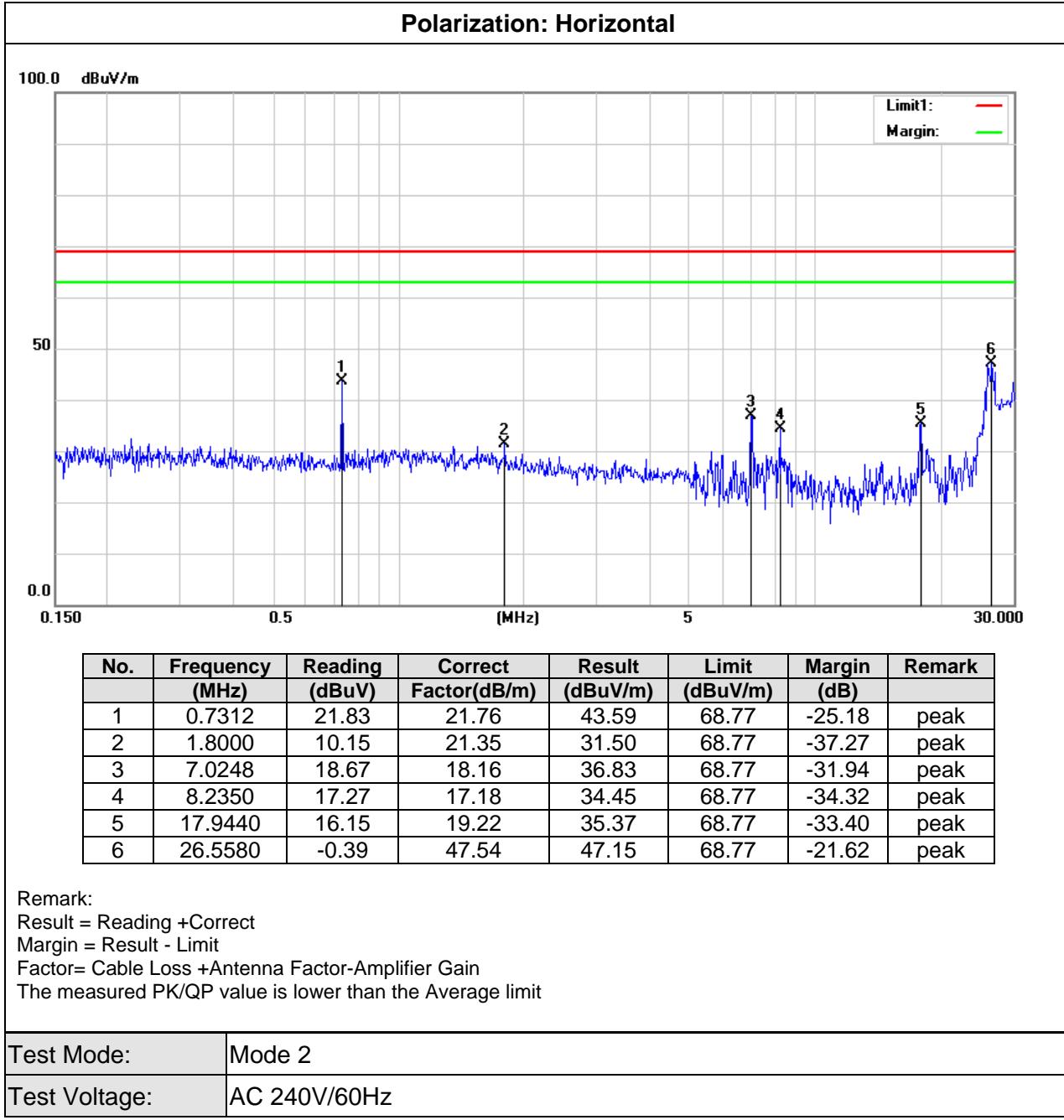
The measured PK/QP value is lower than the Average limit

7.5.9. Test Results – 150KHz-30MHz

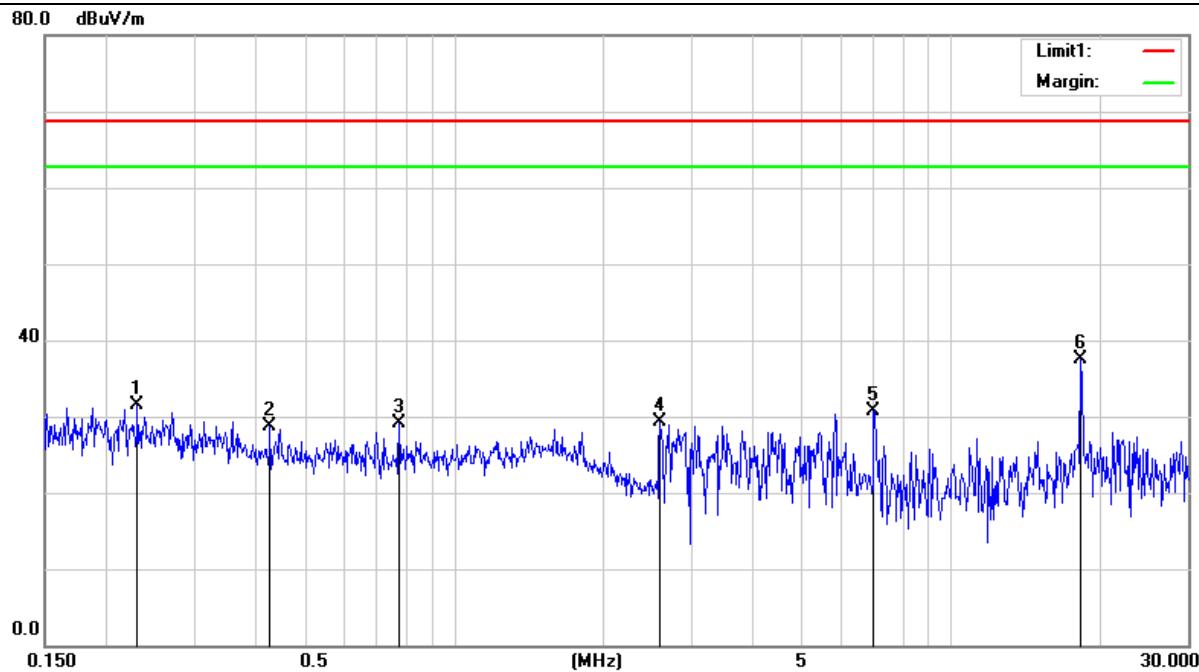
Test Mode:	Mode 1
Test Voltage:	AC 240V/60Hz



Test Mode:	Mode 1
Test Voltage:	AC 240V/60Hz



Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2303	9.08	22.51	31.59	68.77	-37.18	QP
2	0.4260	6.36	22.25	28.61	68.77	-40.16	QP
3	0.7752	7.33	21.75	29.08	68.77	-39.69	QP
4	2.5945	8.38	20.98	29.36	68.77	-39.41	QP
5	6.9878	12.54	18.19	30.73	68.77	-38.04	QP
6	18.2316	18.31	19.21	37.52	68.77	-31.25	QP

Remark:

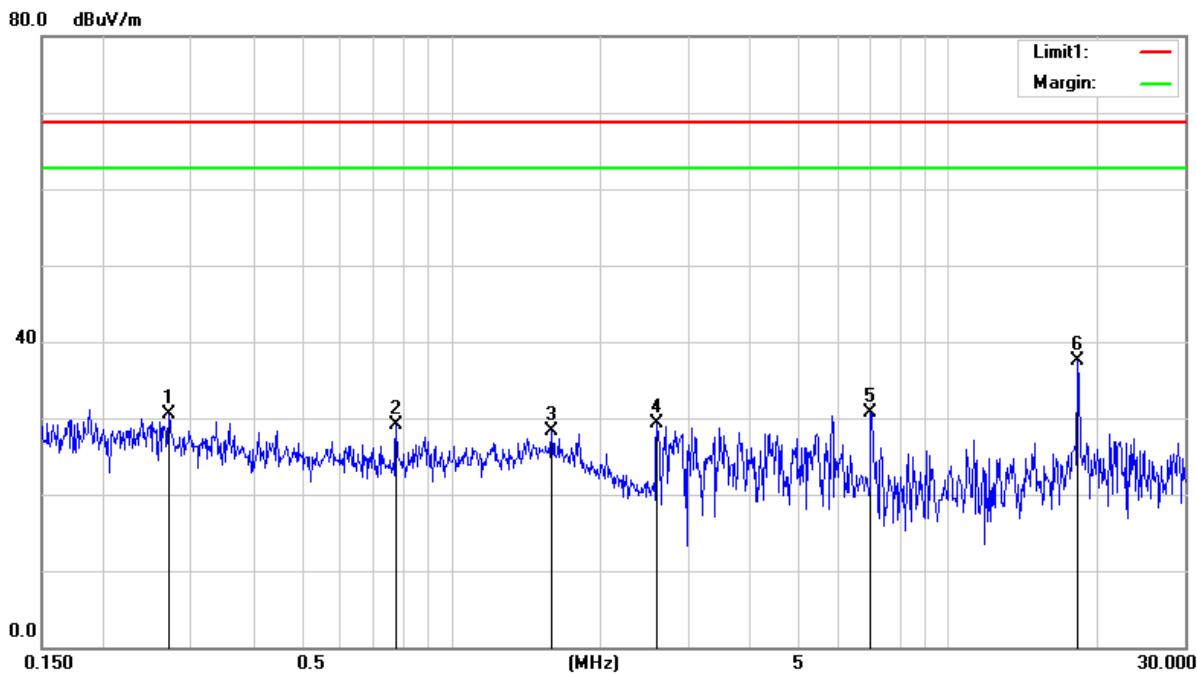
Result = Reading +Correct

Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Test Mode:	Mode 2
Test Voltage:	AC 240V/60Hz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.2701	7.77	22.75	30.52	68.77	-38.25	peak
2	0.7752	7.33	21.75	29.08	68.77	-39.69	peak
3	1.5933	6.77	21.56	28.33	68.77	-40.44	peak
4	2.5945	8.38	20.98	29.36	68.77	-39.41	peak
5	6.9878	12.54	18.19	30.73	68.77	-38.04	peak
6	18.2316	18.31	19.21	37.52	68.77	-31.25	peak

Remark:

Result = Reading +Correct

Margin = Result - Limit

Factor= Cable Loss +Antenna Factor-Amplifier Gain

The measured PK/QP value is lower than the Average limit

Appendix I: Photographs of EMC Test Configuration

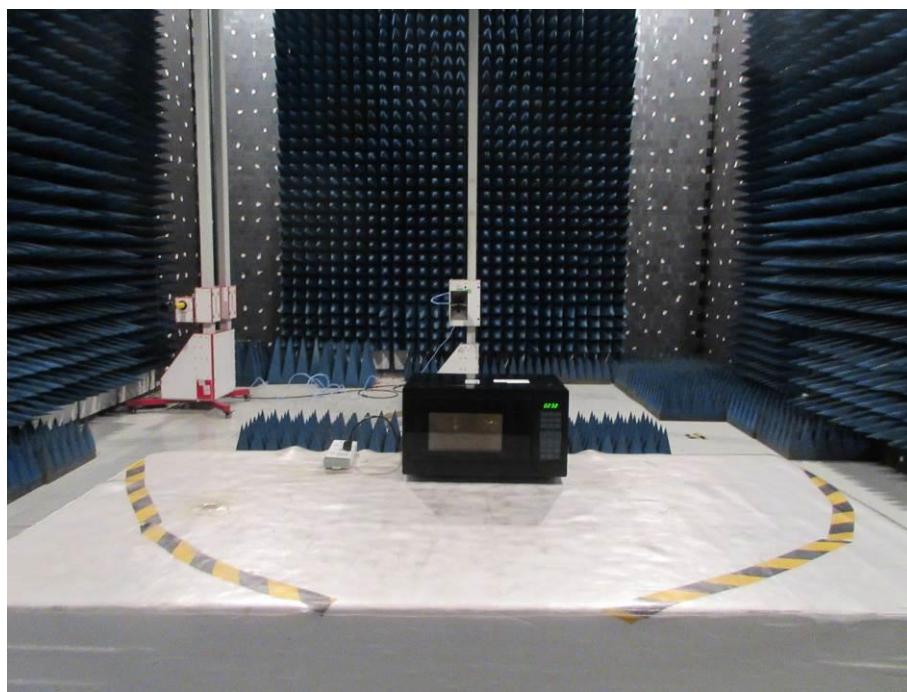
Conducted Disturbance



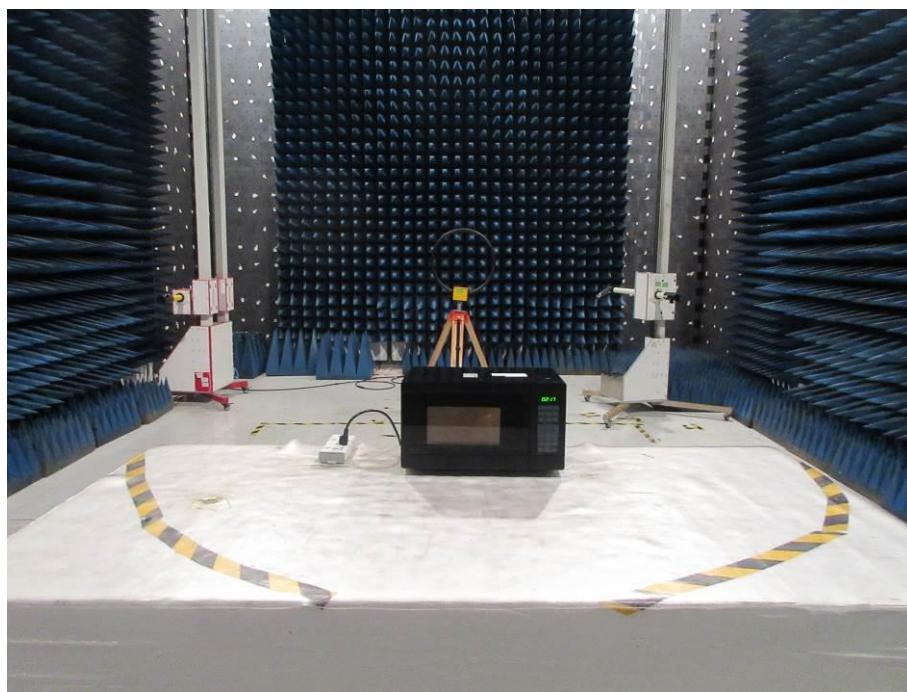
Radiated Disturbance below 1GHz



Radiated Disturbance above 1GHz



Radiated Disturbance above 9KHz-30MHz



Power Test**Radiation Hazard**

END OF REPORT