



FCC Test Report

Client Information:

Applicant: Guangdong Galanz Enterprises Co., Ltd.

Applicant add.: No.25 South Ronggui Rd., Shunde, Foshan,Guangdong, P.R. China

Product Information:

EUT Name: Microwave Oven

Model No.: RED(X)0(Y)H-(Z)

Brand Name: N/A

FCC ID: UHW10048002

Standards: 47 CFR PART 18:2015

Prepared By:

UL-CCIC Company Limited

Add. : Electronic Building, Parage Electronic Industrial Park, No. 8 Nanyun Er Road, Guangzhou Science Park, Guangzhou, 510663 China

Date of Receipt: May 18, 2017 Date of Test: May 18~Jun. 08, 2017

Date of Issue: Jun. 09, 2017 Test Result: Pass

This device described above has been tested by BZT Testing Technology Co., Ltd, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of UL-CCIC Company Limited.

Reviewed by: *Eun Shan* Approved by: *Linda Ni*



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1 TEST SUMMARY

Electromagnetic Interference (EMI)

| Test | Test Requirement | Test Method | Class / Severity | Result |
|---|-------------------------|--------------------|------------------|--------|
| Operating Frequency | 47 CFR PART 18: 2015 | FCC OST/ MP-5:1986 | 18.301 | PASS |
| Conducted Emission (150 kHz to 30 MHz) | 47 CFR PART 18: 2015 | FCC OST/ MP-5:1986 | 18.307(b) | PASS |
| Radiated Emission (9 kHz to 30 MHz) | 47 CFR PART 18: 2015 | FCC OST/ MP-5:1986 | 18.305(b) | PASS |
| Radiated Emission (30 MHz to 1 GHz) | 47 CFR PART 18: 2015 | FCC OST/ MP-5:1986 | 18.305(b) | PASS |

Remark :

EUT: In this whole report EUT means Equipment Under Test.

Model named description:

RED(X)0(Y)H-(Z)

RED(X)0(Y)H-(Z)model designations:

R: denotes "Over-The-Range" model..

E: denotes one of the electric controller.

D: denotes the type of the cavity.

0: denote the output power is 1000W/950W

H: denotes the Pull-out type door

Variable (X): for sale area, including a combination of numbers, may be 42,45, 48,51 or 56, which don't affect the certification.

Variable (Y):It represents the differences of the appearance, including combination of letters and/or numbers, which don't affect the certification.

Variable (Z): may compose by one to six characters from A to Z and/or numbers from 0 to 9. It denotes one of the cosmetics of the microwave oven, which don't affect the certification.

RED480JAH-PA0H0A is identical to NS-OTR16SS8Q except for the model name and brand name.



2 GENERAL INFORMATION

2.1 CLIENT INFORMATION

Applicant: Guangdong Galanz Enterprises Co., Ltd.
Address of Applicant: No.25 South Ronggui Rd., Shunde, Foshan,Guangdong, P.R. China

2.2 GENERAL DESCRIPTION OF E.U.T.

Product Description: Microwave Oven
Model No.: RED480JAH-PA0H0A/NS-OTR16SS8Q

2.3 DETAILS OF E.U.T.

Rated Supply (Voltage): AC 120V 60Hz 1600W
Power Cable: 1.0m x 3 wires unscreened AC mains cable.

2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with water.
Load for power output measurement :1000 milliliters of water in the beaker located in the centre of the oven
Load for frequency measurement :1000 milliliters of water in the beaker located in the centre of the oven
Load for conducted and radiated emission measurement :1000 milliliters of water in the beaker located in the centre of the oven

2.5 DEVIATION FROM STANDARDS

None.

2.6 GENERAL TEST CLIMATE DURING TESTING

Temperature: 15-30 °C Humidity: 30~70 %RH Atmospheric Pressure: 860-1060 mbar

2.7 ABNORMALITIES FROM STANDARD CONDITIONS

None.

2.8 TEST LOCATION

BZT Testing Technology Co., Ltd
Building 17,Xinghua Road Xingwei industrial Park Fuyong,Baoan District,
Shenzhen,Guangdong,China

2.9 TEST FACILITY

FCC- Registration No: 701733



3 EQUIPMENT LIST

Radiation Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|-----------------------|--------------|---------------------|--------------------|------------------|------------------|
| Spectrum Analyzer | Agilent | E4407B | MY50140340 | 2016.10.23 | 2017.10.22 |
| Test Receiver | R&S | ESCI | 101427 | 2016.10.23 | 2017.10.22 |
| Bilog Antenna | TESEQ | CBL6111D | 34678 | 2014.11.24 | 2017.11.23 |
| Horn Antenna | Schwarzbeck | BBHA 9120D(1201) | 9120D-1343 | 2015.03.05 | 2018.03.04 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 9170-0741 | 2016.03.06 | 2019.03.05 |
| 50Ω Coaxial Switch | Anritsu | MP59B | 6200264416 | 2016.10.23 | 2017.10.22 |
| PreAmplifier | Agilent | 8449B | 60538 | 2016.10.23 | 2017.10.22 |
| Loop Antenna | EMCO | 6502 | 9003-2485 | 2016.03.06 | 2019.03.05 |
| Preamplifier | Agilent | 8449B | 60538 | 2016.10.23 | 2017.10.22 |
| Low frequency cable | EM | R01 | N/A | NCR | NCR |
| High frequency cable | SCHWARZBECK | AK9515H | SN-96286/9628 7 | NCR | NCR |
| Semi-anechoic chamber | Changling | 966 | N/A | 2016.10.23 | 2017.10.22 |

Conduction Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|-------------------|--------------|----------|------------|------------------|------------------|
| EMI Test Receiver | R&S | ESPI | 102086 | 2016.10.23 | 2017.10.22 |
| LISN | R&S | ENV216 | 101242 | 2016.10.23 | 2017.10.22 |
| LISN | EMCO | 3810/2NM | 000-23625 | 2016.10.23 | 2017.10.22 |
| Conduction Cable | EM | C01 | N/A | NCR | NCR |
| Shielding Room | Changling | 854 | N/A | 2016.10.23 | 2017.10.22 |



4 EMISSION TEST RESULTS

4.1 OPERATING FREQUENCY

Test Requirement: 47 CFR PART 18
 Test Method: FCC OST/ MP-5
 Test Date: 2017-06-05
 Power Supply: AC 120V 60Hz
 Frequency Range: 2400-2500 MHz
 Detector: Peak
 Limit:

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 |

4.1.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.1.2 MEASUREMENT DATA

| Operating Frequency | Test Result | Tolerance |
|---------------------|-------------|-----------|
| (MHz) | (MHz) | (MHz) |
| 2450 | 2448 | ±50 |

**4.2 RF OUTPUT POWER MEASUREMENT**

Test Requirement: 47 CFR PART 18
 Test Method: FCC OST/ MP-5
 Test Date: 2017-06-05
 Power Supply: AC 120V 60Hz

4.2.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.2.2 MEASUREMENT 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 | 358 | 26.3 | 25 | 46 | 120 | 788 |

Formula :

$$P = \frac{4.2 \times m_w (T_2 - T_1) + 0.9 \times m_c (T_2 - T_0)}{t}$$

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

T₀ is the ambient temperature, in degrees Celsius

T₁ is the initial temperature of the water, in degrees Celsius

T₂ is the final temperature of the water, in degrees Celsius

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



4.3 CONDUCTED EMISSIONS, 150 KHZ TO 30 MHZ

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2017-06-05
Power Supply: AC 120V 60Hz
Frequency Range: 150 KHz to 30 MHz
Detector: Peak for pre-scan, Quasi-Peak and Average for the final result.
(9 KHz Resolution Bandwidth for 150 KHz to 30 MHz)

Limit:

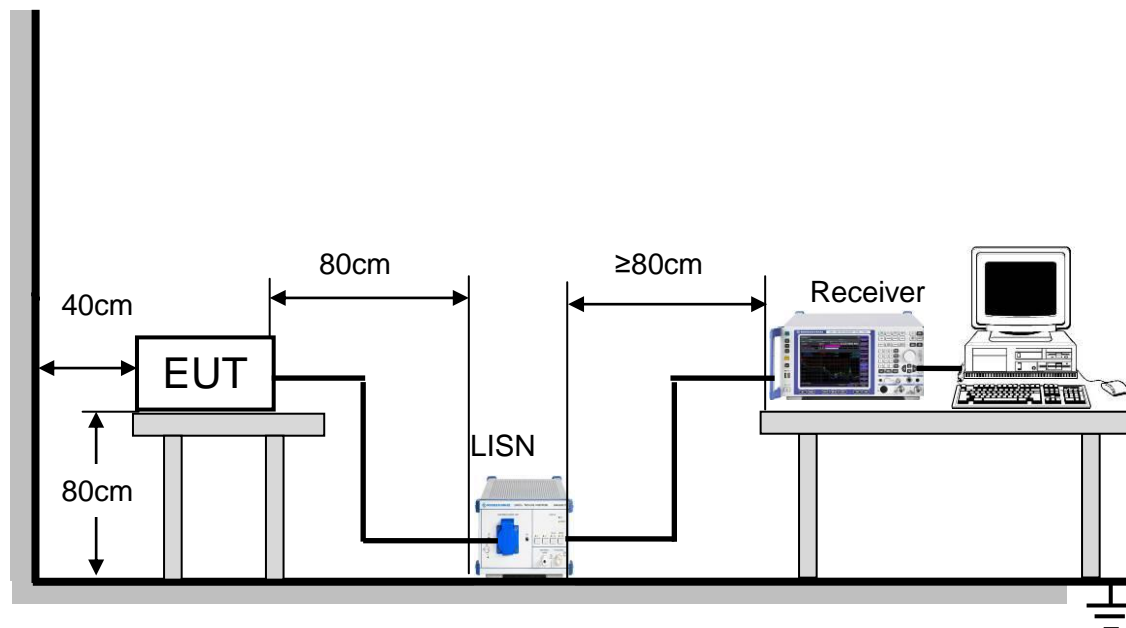
| Frequency range MHz | AC mains terminals dB (µV) | |
|------------------------|-------------------------------|-----------|
| | Quasi-peak | Average |
| 0.15 to 0.5 | 66 to 56* | 56 to 46* |
| 0.5 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |

Note1: The limit decreases linearly with the logarithm of the frequency in the range 0.05 MHz to 0.5 MHz.
Note2: The lower limit is applicable at the transition frequency.

4.3.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.3.2 TEST SETUP AND PROCEDURE



1. The mains terminal disturbance voltage test was conducted in a shielded room.
2. The EUT was connected to nominal power supply through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
3. The tabletop EUT was placed upon a non-metallic table 1 m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
4. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.



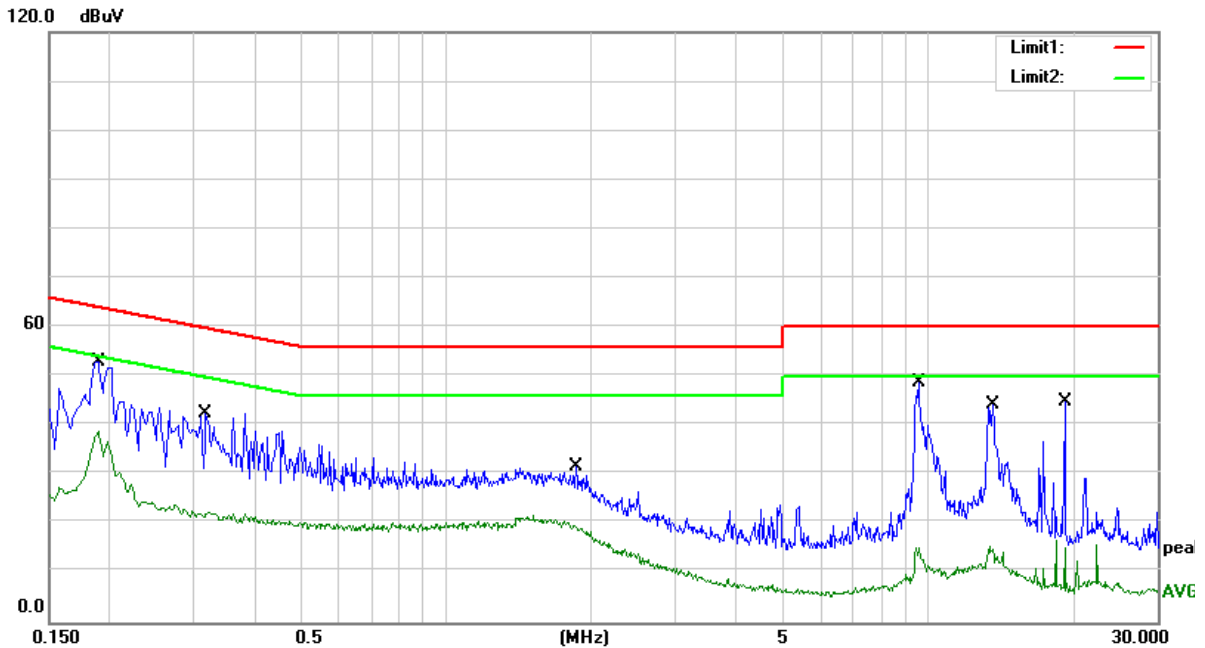
4.3.3 MEASUREMENT DATA

Pre-scan was performed with peak detected on both live and neutral cable. Quasi-peak & average measurements were performed at the frequencies which maximum peak emission level was detected.

Please see the attached Quasi-peak and Average test results.

Live line:

Peak Scan



Quasi-peak and Average measurement:

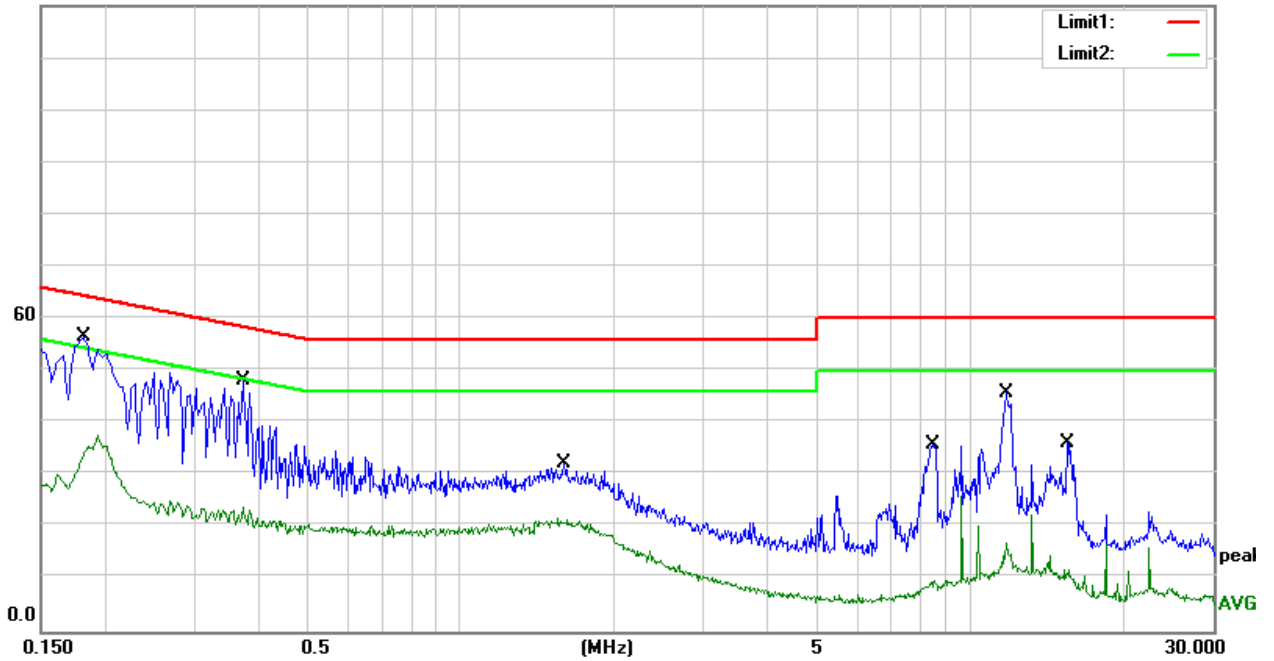
| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------|---------------|--------------|-------------|--------|
| 1 | 0.1900 | 43.76 | 9.23 | 52.99 | 64.04 | -11.05 | QP |
| 2 | 0.1900 | 29.08 | 9.23 | 38.31 | 54.04 | -15.73 | AVG |
| 3 | 0.3180 | 33.29 | 9.18 | 42.47 | 59.76 | -17.29 | QP |
| 4 | 0.3180 | 12.87 | 9.18 | 22.05 | 49.76 | -27.71 | AVG |
| 5 | 1.8620 | 22.32 | 9.24 | 31.56 | 56.00 | -24.44 | QP |
| 6 | 1.8620 | 10.16 | 9.24 | 19.40 | 46.00 | -26.60 | AVG |
| 7 | 9.5900 | 39.39 | 9.47 | 48.86 | 60.00 | -11.14 | QP |
| 8 | 9.5900 | 5.69 | 9.47 | 15.16 | 50.00 | -34.84 | AVG |
| 9 | 13.6420 | 34.79 | 9.46 | 44.25 | 60.00 | -15.75 | QP |
| 10 | 13.6420 | 5.27 | 9.46 | 14.73 | 50.00 | -35.27 | AVG |
| 11 | 19.2420 | 34.86 | 9.88 | 44.74 | 60.00 | -15.26 | QP |
| 12 | 19.2420 | -3.39 | 9.88 | 6.49 | 50.00 | -43.51 | AVG |



Neutral line:

Peak Scan

120.0 dBuV



Quasi-peak and Average measurement:

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------|---------------|--------------|-------------|--------|
| 1 | 0.1820 | 47.44 | 9.23 | 56.67 | 64.39 | -7.72 | QP |
| 2 | 0.1820 | 24.97 | 9.23 | 34.20 | 54.39 | -20.19 | AVG |
| 3 | 0.3740 | 38.69 | 9.36 | 48.05 | 58.41 | -10.36 | QP |
| 4 | 0.3750 | 13.81 | 9.36 | 23.17 | 48.39 | -25.22 | AVG |
| 5 | 1.5980 | 22.99 | 9.21 | 32.20 | 56.00 | -23.80 | QP |
| 6 | 1.5980 | 11.61 | 9.21 | 20.82 | 46.00 | -25.18 | AVG |
| 7 | 8.4980 | 26.46 | 9.39 | 35.85 | 60.00 | -24.15 | QP |
| 8 | 8.4980 | -0.19 | 9.39 | 9.20 | 50.00 | -40.80 | AVG |
| 9 | 11.7860 | 36.32 | 9.47 | 45.79 | 60.00 | -14.21 | QP |
| 10 | 11.7860 | 7.47 | 9.47 | 16.94 | 50.00 | -33.06 | AVG |
| 11 | 15.5500 | 26.62 | 9.50 | 36.12 | 60.00 | -23.88 | QP |
| 12 | 15.5500 | 1.31 | 9.50 | 10.81 | 50.00 | -39.19 | AVG |



4.4 RADIATED EMISSIONS, 9 KHZ TO 25 GHZ

Test Requirement: 47 CFR PART 18
 Test Method: FCC OST/ MP-5
 Power Supply: AC 120V 60Hz
 Test Date: 2017-06-05~07
 Frequency Range: 9 KHz to 25 GHz
 Measurement Distance: 3m
 Detector: Peak for pre-scan, Average for the final result
 (200 Hz Resolution Bandwidth for 9 KHz to 150 KHz
 9 KHz Resolution Bandwidth for 150 KHz to 30 MHz
 100 KHz Resolution Bandwidth for 30MHz to 1,000MHz
 1 MHz Resolution Bandwidth for 1,000MHz to 25,000MHz)

Limit: (a) ISM equipment operation on a frequency specified in §18.301 is permitted unlimited radiated energy in the band specified for that frequency.
 (b) The field strength levels of emissions which lie outside the bands specified in §18.301, unless otherwise indicated, shall not exceed the following:

| RF Power generated by equipment(watts) | Field strength Limit(uV/m) @300m |
|--|----------------------------------|
| Below 500 | 25 |
| 500 or more | 25*SQRT(power/500) |

Power =787 W according to cluse7.2.2

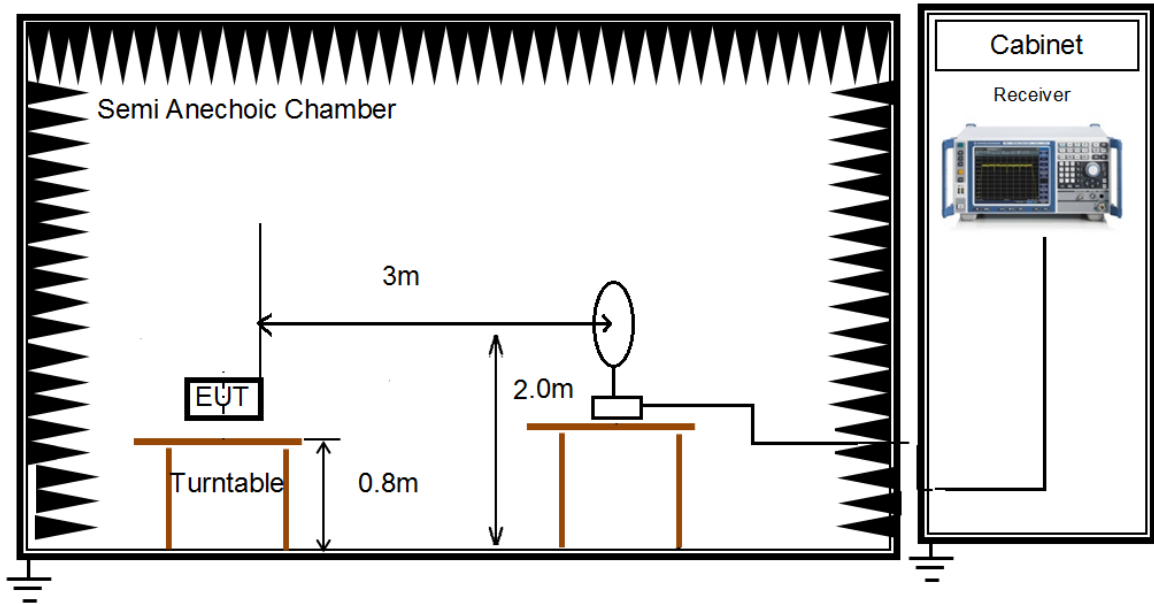
Limit=20lg(25*SQRT(power/500))+20lg(300/3) @ 3m distance.

4.4.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.4.2 TEST SETUP AND PROCEDURE

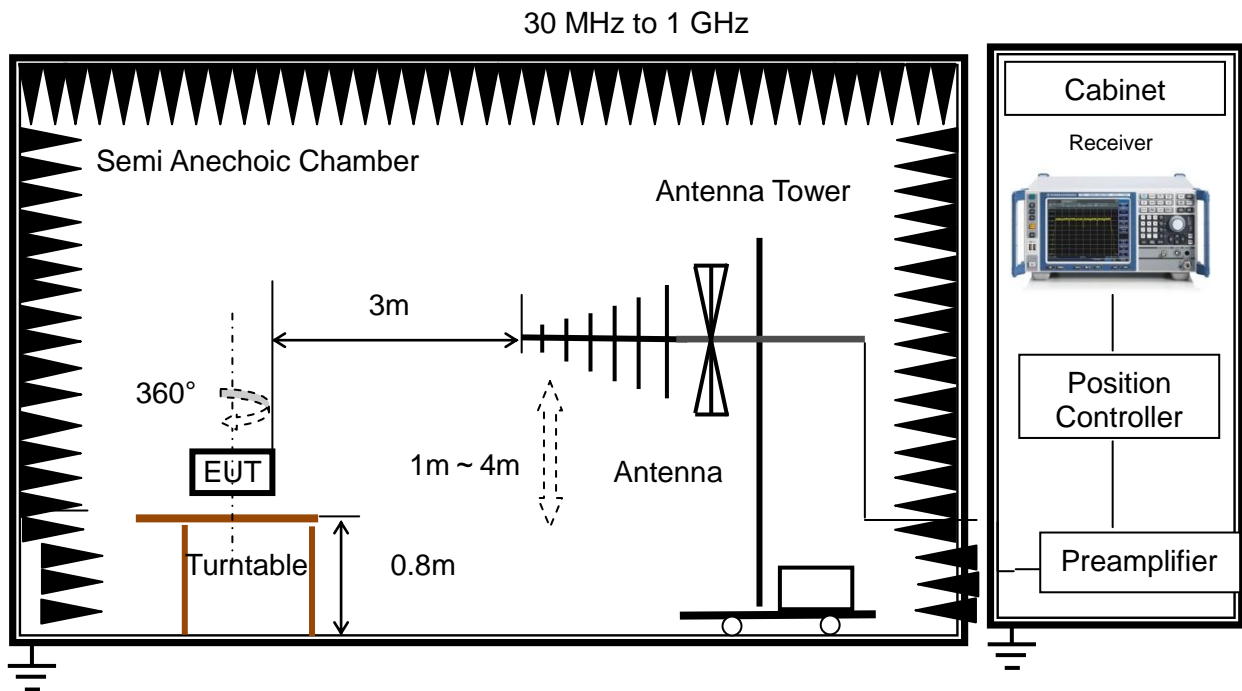
9 KHz to 30 MHz



1. The magnetic emissions test was conducted in a semi-anechoic chamber.
2. The EUT was connected to AC power source through a mains power outlet which was bonded to the ground reference plane; The mains cables shall drape to the ground reference plane.
3. The tabletop EUT was placed upon a non-metallic table 1 m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
4. Before final measurements of magnetic emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emission spectrum signature data plots of the EUT.

The frequencies of maximum emission were determined in the final magnetic emissions measurement, The physical arrangement of the test system and associated cabling was varied in order to determine the effect on the EUT's emissions in amplitude, direction and frequency. At each frequency, the EUT was rotated 360°, the antenna was supported in the vertical plane and be rotatable about a vertical axis. The antenna height was set at around 2 m above the ground reference plane.

30MHz to 1 GHz:

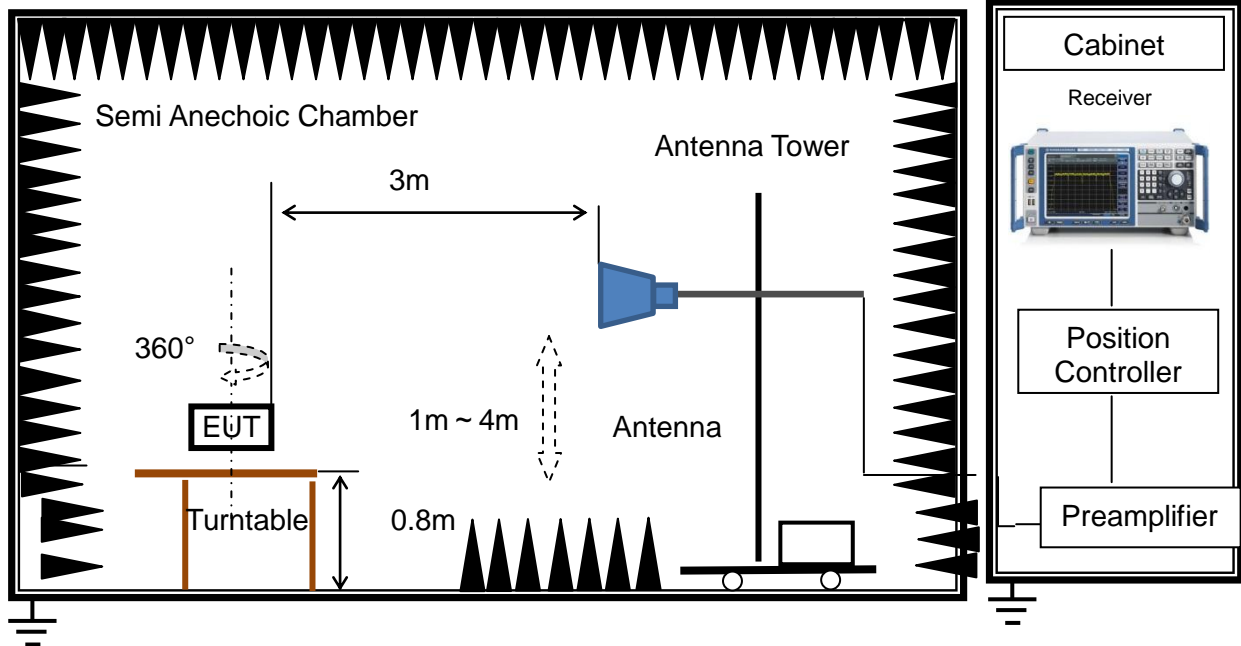


1. The radiated emissions test was conducted in a semi-anechoic chamber.
2. Biconical and log periodic antenna was used for the frequency range from 30MHz to 1GHz
3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables were draped to the ground reference plane. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
4. Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emissions spectrum plots of the EUT.

The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.

Above 1 GHz:

1 GHz to 18 GHz



1. The radiated emissions test was conducted in a fully-anechoic chamber.
2. Horn antenna was used for the frequency above 1GHz
3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables were draped to the ground reference plane. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
4. Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emission spectrum plots of the EUT.
5. The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.

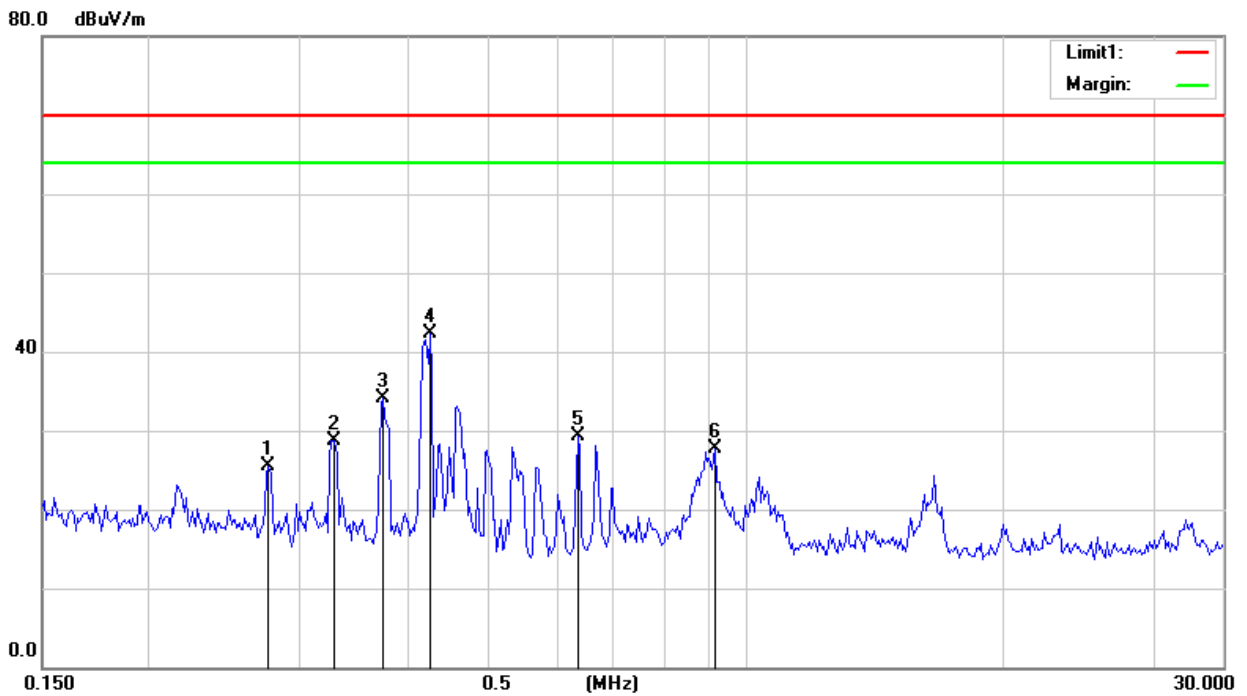


4.4.3 MEASUREMENT DATA

150 KHz to 30MHz:

Vertical:

Peak scan
Level (dBµV/m)



Average measurement

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-------------------|-----------------|----------------|-------------|--------|
| 1 | 0.2760 | 25.78 | -0.20 | 25.58 | 69.81 | -44.23 | QP |
| 2 | 0.3286 | 28.87 | -0.20 | 28.67 | 69.81 | -41.14 | QP |
| 3 | 0.3751 | 34.28 | -0.21 | 34.07 | 69.81 | -35.74 | QP |
| 4 | 0.4260 | 42.45 | -0.22 | 42.23 | 69.81 | -27.58 | QP |
| 5 | 0.6338 | 29.53 | -0.22 | 29.31 | 69.81 | -40.50 | QP |
| 6 | 0.9184 | 27.86 | -0.24 | 27.62 | 69.81 | -42.19 | QP |

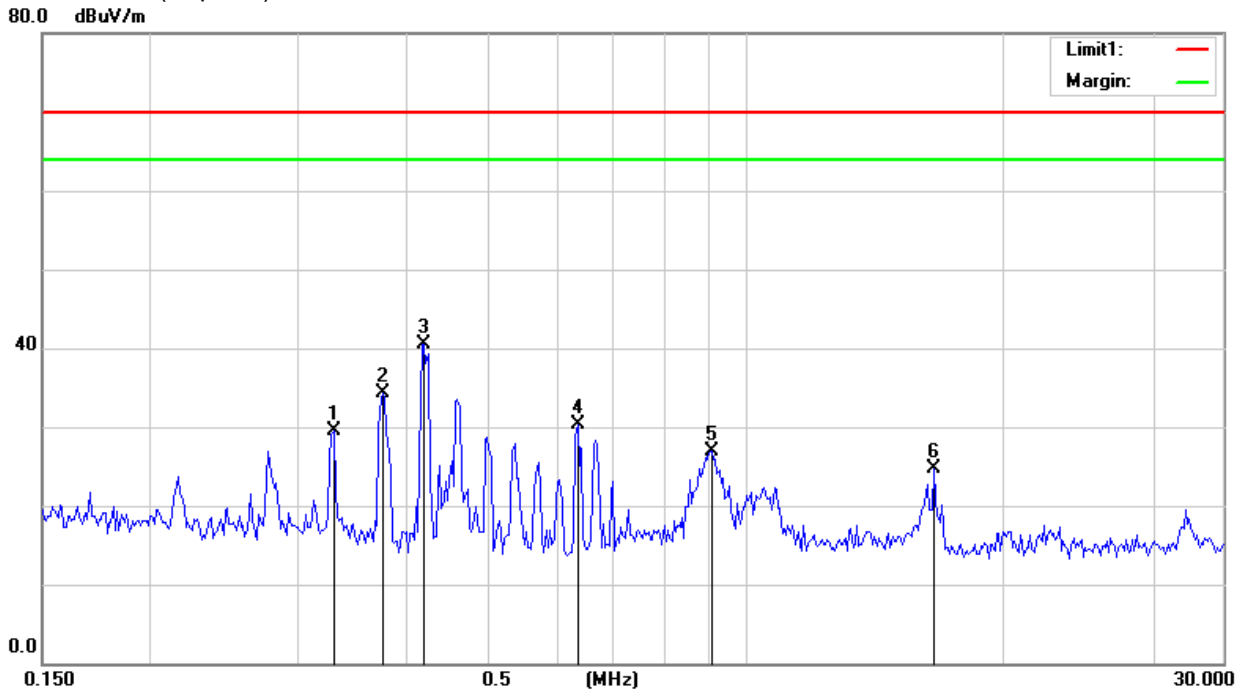
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.



150KHz-30MHz

Horizontal:

Peak scan
Level (dBµV/m)



Average measurement

| No. | Frequency (MHz) | Reading (dBµV) | Correction (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-------------------|-----------------|----------------|-------------|--------|
| 1 | 0.3286 | 29.74 | -0.20 | 29.54 | 69.81 | -40.27 | QP |
| 2 | 0.3751 | 34.48 | -0.20 | 34.28 | 69.81 | -35.53 | QP |
| 3 | 0.4193 | 40.71 | -0.20 | 40.51 | 69.81 | -29.30 | QP |
| 4 | 0.6338 | 30.53 | -0.21 | 30.32 | 69.81 | -39.49 | QP |
| 5 | 0.9087 | 27.14 | -0.22 | 26.92 | 69.81 | -42.89 | QP |
| 6 | 1.6537 | 24.93 | -0.23 | 24.70 | 69.81 | -45.11 | QP |

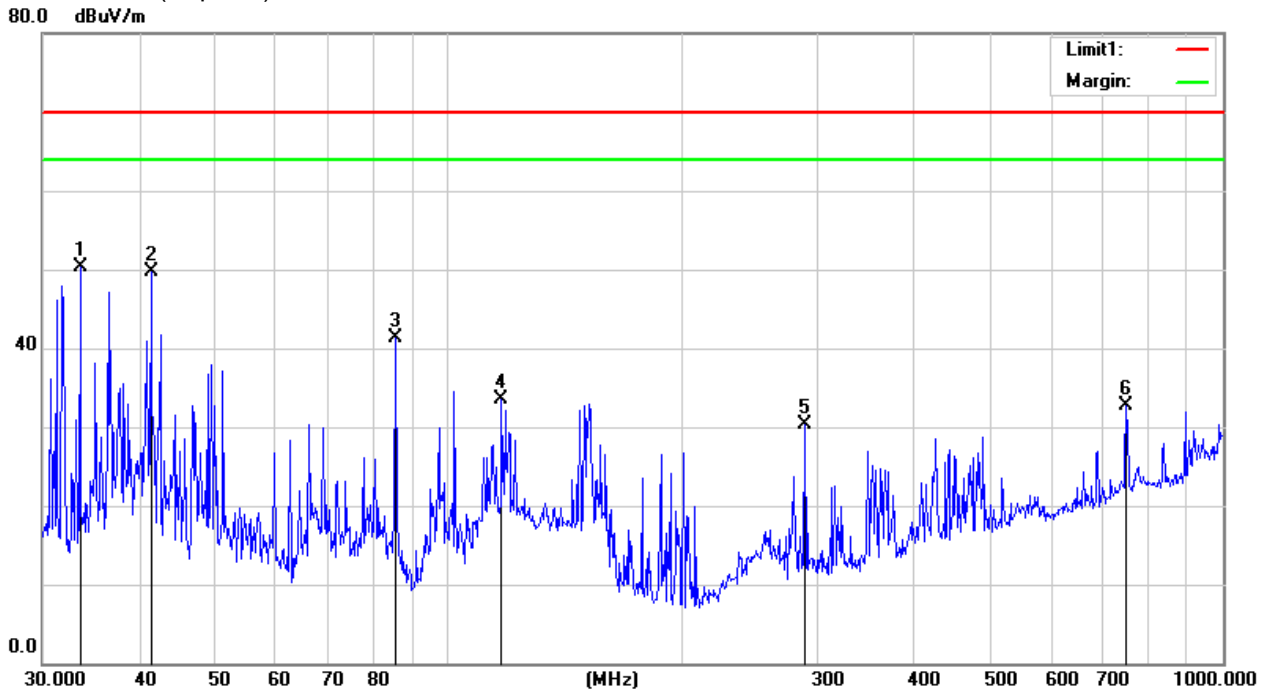
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.



30MHz to 1000MHz:

Vertical:

Peak scan
Level (dBμV/m)



Average measurement

| No. | Frequency (MHz) | Reading (dBμV) | Correction (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-------------------|-----------------|----------------|-------------|--------|
| 1 | 33.5623 | 63.26 | -13.02 | 50.24 | 69.81 | -19.57 | QP |
| 2 | 41.4215 | 66.85 | -17.06 | 49.79 | 69.81 | -20.02 | QP |
| 3 | 85.5977 | 62.61 | -21.30 | 41.31 | 69.81 | -28.50 | QP |
| 4 | 117.3602 | 51.28 | -17.86 | 33.42 | 69.81 | -36.39 | QP |
| 5 | 289.0020 | 45.68 | -15.45 | 30.23 | 69.81 | -39.58 | QP |
| 6 | 750.1082 | 36.26 | -3.56 | 32.70 | 69.81 | -37.11 | QP |

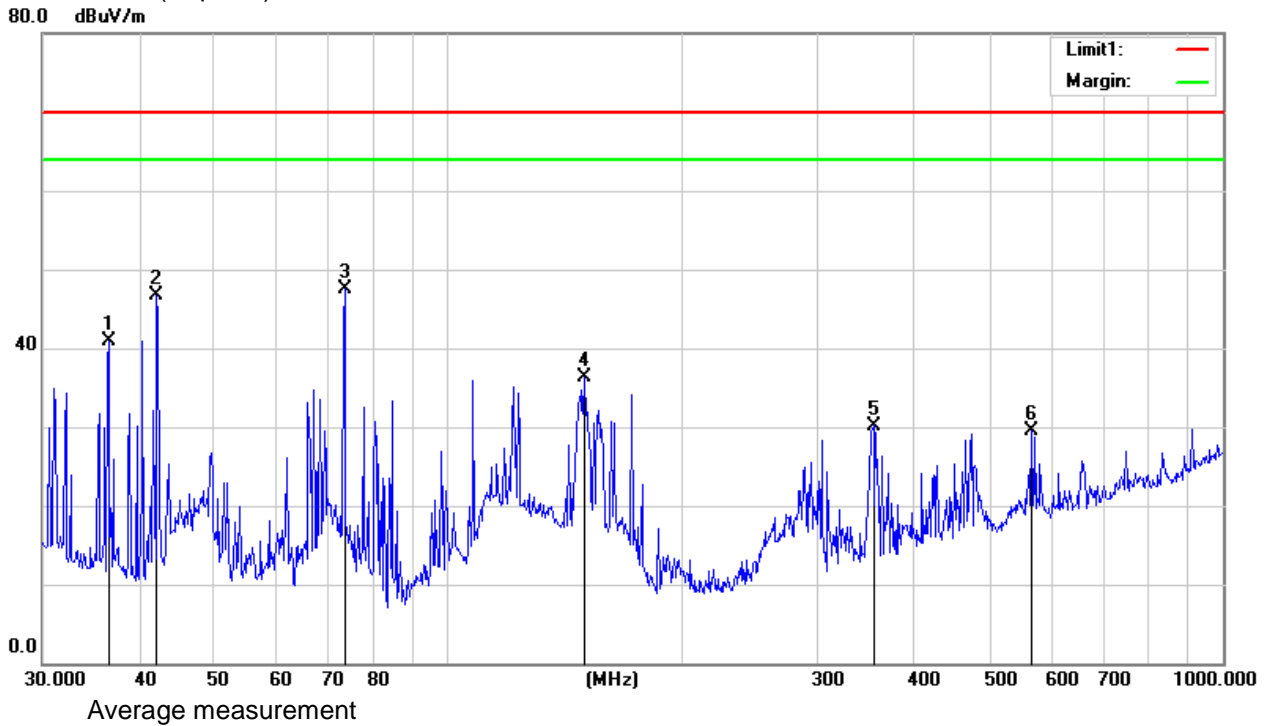
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.



30 MHz to 1000 MHz:

Horizontal:

Peak scan
Level (dB μ V/m)



| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-------------------|-----------------|----------------|-------------|--------|
| 1 | 36.5090 | 55.43 | -14.52 | 40.91 | 69.81 | -28.90 | QP |
| 2 | 42.1542 | 64.09 | -17.44 | 46.65 | 69.81 | -23.16 | QP |
| 3 | 73.6170 | 71.12 | -23.59 | 47.53 | 69.81 | -22.28 | QP |
| 4 | 150.0107 | 54.21 | -17.97 | 36.24 | 69.81 | -33.57 | QP |
| 5 | 354.1831 | 43.60 | -13.40 | 30.20 | 69.81 | -39.61 | QP |
| 6 | 566.6221 | 36.07 | -6.61 | 29.46 | 69.81 | -40.35 | QP |

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

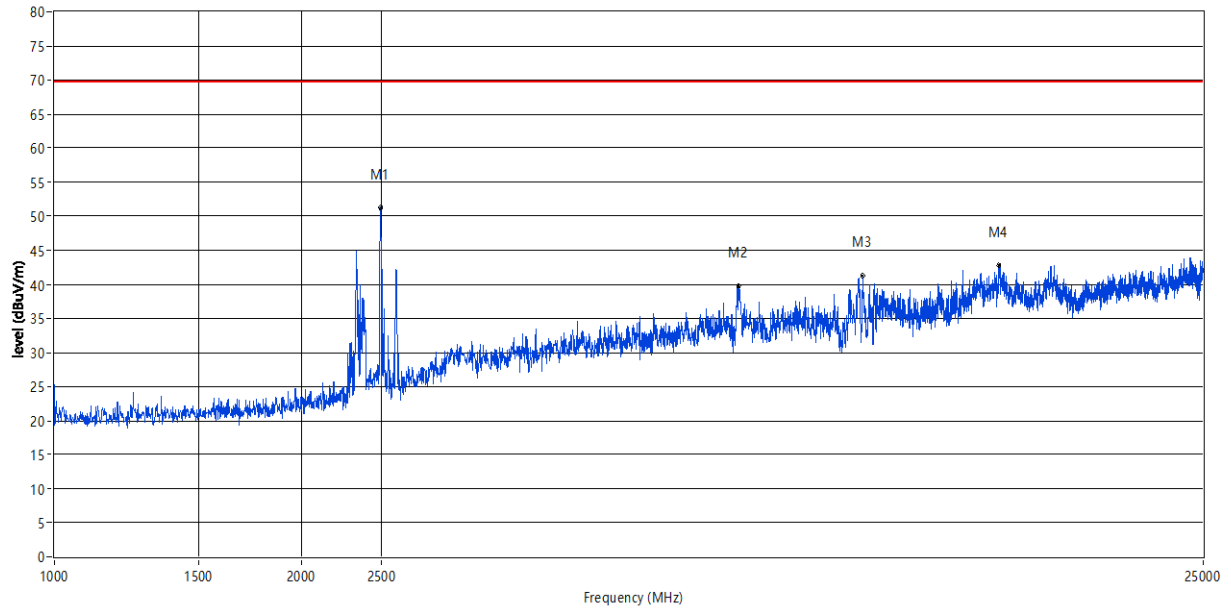


1000MHz to 25000MHz:

Vertical:

Peak scan
Level (dB μ V/m)

RE_FCC Test Case_FCC Part 18 1GHz-25GHz



| No. | Frequency (MHz) | Results (dB μ V/m) | Factor (dB) | Limit (dB μ V/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT | Verdict |
|-----|-----------------|------------------------|-------------|----------------------|-------------|----------|-----------|-------------|----------|---------|
| 1 | 2492.507 | 51.24 | -21.82 | 69.8 | 18.56 | Peak | 114.90 | 100 | Vertical | Pass |
| 2 | 6808.096 | 39.81 | -9.28 | 69.8 | 29.99 | Peak | 357.50 | 100 | Vertical | Pass |
| 3 | 9636.682 | 41.33 | -7.85 | 69.8 | 28.47 | Peak | 240.70 | 100 | Vertical | Pass |
| 4 | 14121.439 | 42.77 | -5.90 | 69.8 | 27.03 | Peak | 270.40 | 100 | Vertical | Pass |

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

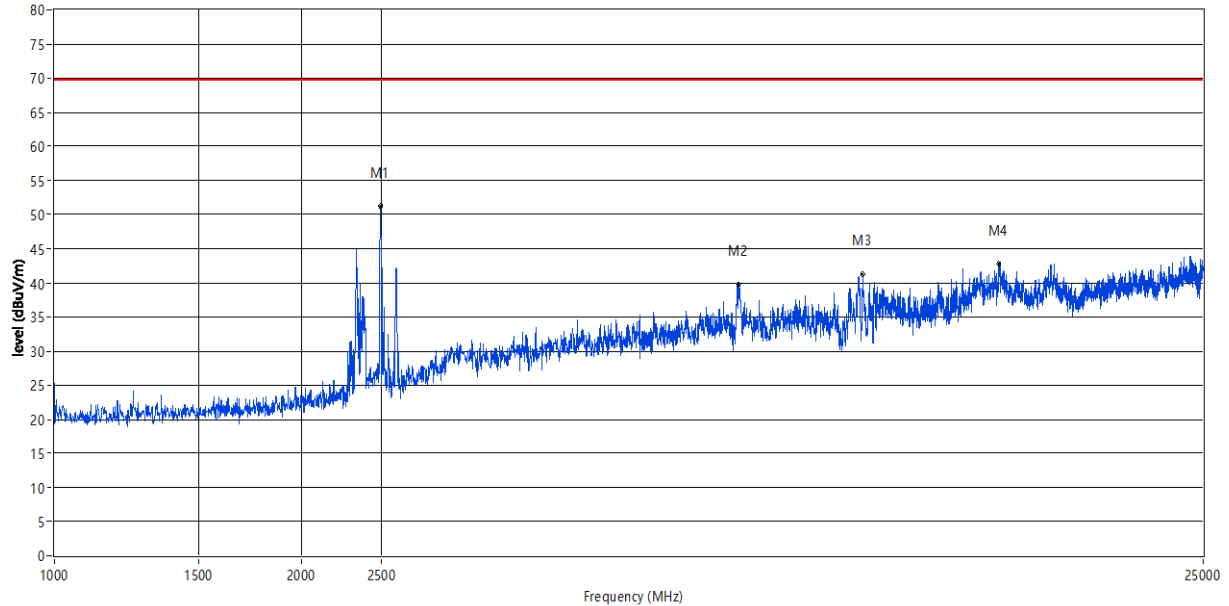


1000MHz to 25000MHz:

Horizontal:

Peak scan
Level (dBµV/m)

RE_FCC Test Case_FCC Part 18 1GHz-25GHz



Average measurement

| No. | Frequency (MHz) | Results (dBµV/m) | Factor (dB) | Limit (dBµV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1 | 2492.507 | 51.24 | -21.82 | 69.8 | 18.56 | Peak | 114.90 | 100 | Vertical | Pass |
| 2 | 6808.096 | 39.81 | -9.28 | 69.8 | 29.99 | Peak | 357.50 | 100 | Vertical | Pass |
| 3 | 9636.682 | 41.33 | -7.85 | 69.8 | 28.47 | Peak | 240.70 | 100 | Vertical | Pass |
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Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

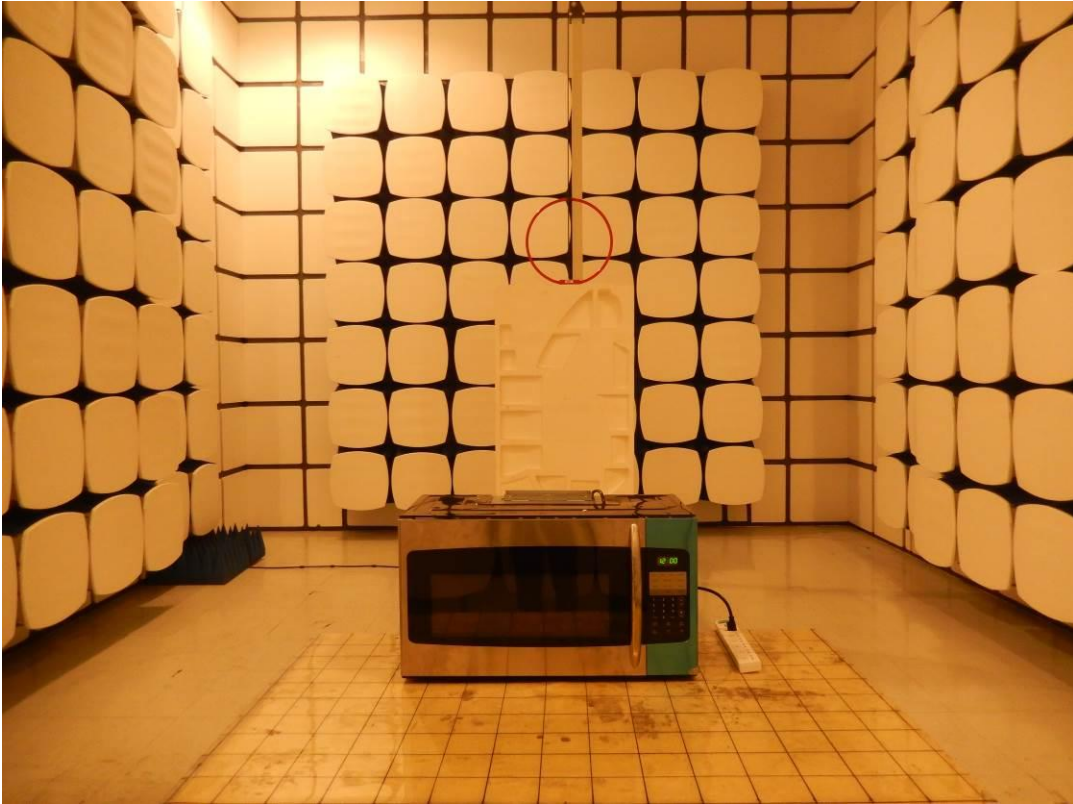
5 PHOTOGRAPHS

5.1 CONDUCTED EMISSIONS, 150 KHZ TO 30 MHZ TEST SETUP



5.2 RADIATED EMISSIONS TEST SETUP

Below 1G:



Above 1G:





5.3 EUT CONSTRUCTIONAL DETAILS



