EMC Test Report

Report No.: STS2505173E01

Issued for

YEAHER INC.

51 Steel Dr, Unit A, New Castle, DE 19720 United States

Product Name:	Nimo Mini PC
Brand Name:	MediaTek
Model Name:	MME2S
Series Model(s):	MME2G
FCC ID:	2BEMH-MPL2G
Test Standards:	FCC 47 CFR Part 15: Subpart B

TEST REPORT

Applicant's Name.....: YEAHER INC.

Address .....: 51 Steel Dr, Unit A, New Castle, DE 19720 United States

Manufacturer's Name.....: Nimo Direct Inc.

Address .....: 51 Steel Dr, Unit A, New Castle, DE 19720 United States

Product description

Product Name.....: Nimo Mini PC

Brand Name.....: MediaTek

Model Name .....: MME2S

Series Model(s).....: MME2G

Test Standards .....: FCC 47 CFR Part 15: Subpart B

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test .....:

Date of Receipt of Test Item .....: 26 May 2025

Date (s) of performance of Tests .....: 26 May 2025 ~ 09 June 2025

Date of Issue.....: 09 June 2025

Test Result.....: **Pass**

Testing Engineer : Stan · Deng

(Star Deng)

Technical Manager : Brave Wu

(Brave Wu)

Authorized Signatory : Bovey Yang

(Bovey Yang)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

TABLE OF CONTENTS

Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	09 June 2025	STS2505173E01	ALL	Initial Issue

1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission			
Standard	Test Item	Result	Remark
FCC 47 CFR Part 15: Subpart B	Conducted Emission	PASS	Meet Class B limit
	Radiated Emissions	PASS	Meet Class B limit

Note:

(1) “N/A” denotes test is not applicable in this Test Report

1.1 TEST FACTORY

Company Name:	Shenzhen STS Test Services Co. Ltd.
Address:	101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao’an District, Shenzhen, Guang Dong, China
Telephone:	+86-755 3688 6288
Fax:	+86-755 3688 6277
Registration No.:	FCC test Firm Registration Number: 625569
	IC test Firm Registration Number: 12108A
	A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	±2.19dB
2	Conducted Emission (150KHz-30MHz)	±2.53dB
3	All emissions,radiated(<1G) 30MHz-1000MHz	±4.18dB
4	All emissions,radiated(>1G) 1GHz-6GHz	±4.90dB
5	All emissions,radiated(>1G) 6GHz-18GHz	±5.24dB

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name	Nimo Mini PC
Brand Name	MediaTek
Model Name	MME2S
Series Model(s)	MME2G
Model Difference	Only the model names are different
Product Description	The EUT is a Nimo Mini PC. ITE equipment having a primary function of either (or a combination of) entry, storage, display, retrieval, transmission, processing, switching, or control of data and/or telecommunication messages and which may be equipped with one or more ports typically for information transfer.
Rating	N/A
Battery	N/A
Adapter	Input: 100~240V~ 50/60Hz 8-4A Output: 12VDC 29.2A
Hardware version number	N/A
Software version number	N/A

2.2 DESCRIPTION OF TEST MODES

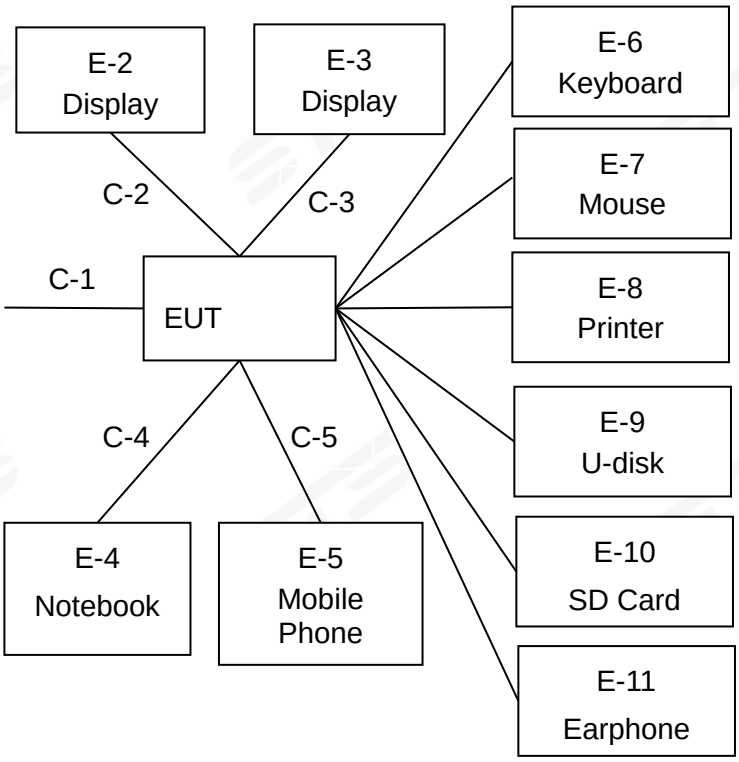
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Adapter+ HDMI+ DP+ USB+ LAN+ SD Card+ Earphone

For Conducted Test	
Final Test Mode	Description
Mode 1	Adapter+ HDMI+ DP+ USB+ LAN+ SD Card+ Earphone

For Radiated Test	
Final Test Mode	Description
Mode 1	Adapter+ HDMI+ DP+ USB+ LAN+ SD Card+ Earphone

2.3 DESCRIPTION OF TEST SETUP



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.	Note
E-1	Adapter	N/A	FLEX350-12V1	N/A
E-2	Display	AOC	U27V5C	N/A
E-3	Display	AOC	U27V5C	N/A
E-4	Notebook	DELL	Inspiron 3501	N/A
E-5	Mobile Phone	UNNECTO	k39tv1_64_bsp	N/A
E-6	Keyboard	Acer	SK-9624	N/A
E-7	Mouse	DELL	MS111-L	N/A
E-8	Printer	LENOVO	LJ2400L	N/A
E-9	U-disk	Sandisk	CZ73	N/A
E-10	SD Card	Sandisk	840XKT-FB	N/A
E-11	Earphone	Micromax	EPX1i	N/A

Item	Equipment	Ferrite Core	Length	Note
C-1	AC Cable	NO	100cm	N/A
C-2	HDMI Cable	NO	150cm	N/A
C-3	DP Cable	NO	150cm	N/A
C-4	LAN Cable	NO	150cm	N/A
C-5	Type-C Cable	NO	110cm	N/A

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST SITE

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2024.9.23	2025.9.22
LISN	R&S	AiT-F01220	8130179	2024.9.23	2025.9.22
Absorbing Clamp	R&S	MDS-21	100668	2025.2.24	2026.2.23
CE Cable	N/A	C01	N/A	2024.9.23	2025.9.22
Temperature & Humidity	Anymetre	JR900	240686	2024.10.15	2025.10.14
Testing Software	EZ-EMC(Ver.STSLAB-03A1 CE)				

2.5.2 RADIATED TEST SITE

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2024.9.23	2025.9.22
Bi-log Antenna	TESEQ	CBL6111D	45873	2024.9.28	2025.9.27
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1343	2024.9.28	2025.9.27
Pre-amplifier(1G-26.5G)	Agilent	HP8449B	3008A02383	2025.2.22	2026.2.21
Pre-amplifier(0.1M-3GHz)	EM	EM330	060665	2025.2.22	2026.2.21
Spectrum Analyzer	Agilent	N9020A	MY49100060	2024.9.23	2025.9.22
RE Cable (9K-1G)	N/A	R01	N/A	2024.9.23	2025.9.22
RE Cable (1G-26G)	N/A	R02	N/A	2024.9.23	2025.9.22
Temperature & Humidity	Mieo	HH660	N/A	2024.9.26	2025.9.25
SAC	ChengYu	9*6*6	N/A	2023.9.05	2026.9.06
Testing Software	EZ-EMC(Ver.STSLAB-03A1 RE)				

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

FREQUENCY (MHz)	☐Class A (dBμV)		☒Class B (dBμV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.5 ~ 5	73.00	60.00	56.00	46.00
5 ~ 30	73.00	60.00	60.00	50.00

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

3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment 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.

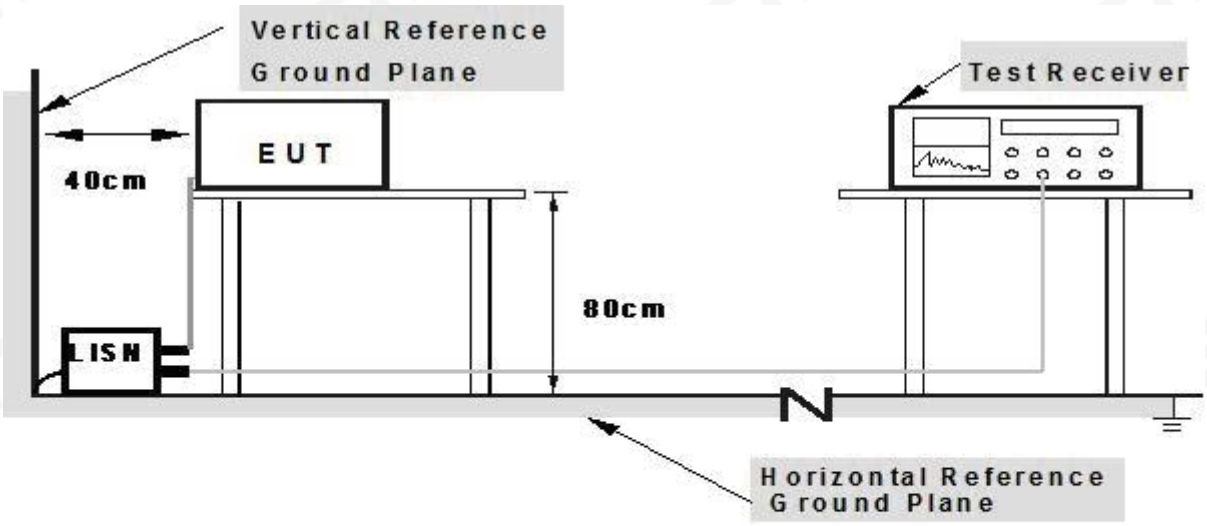
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

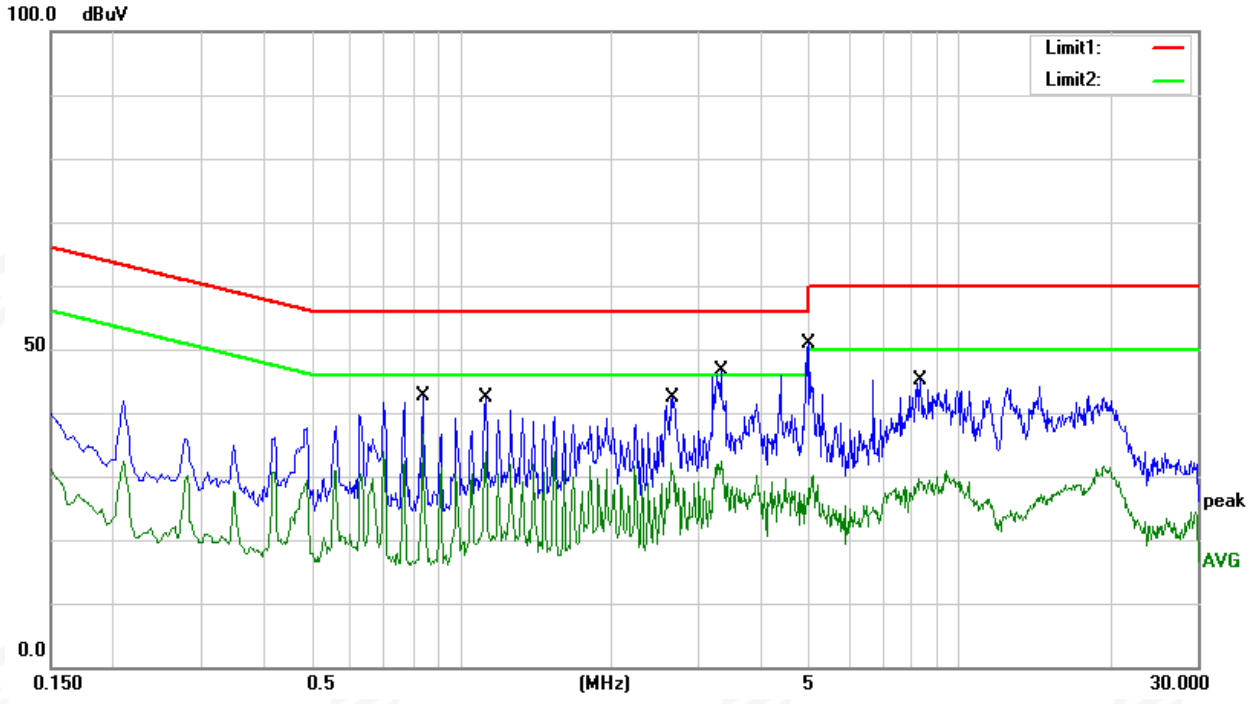
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6 TEST RESULTS

Temperature:	25.1℃	Relative Humidity:	59%
Phase:	L	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.06.05

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.8380	22.79	19.80	42.59	56.00	-13.41	QP
2	0.8380	16.87	19.80	36.67	46.00	-9.33	AVG
3	1.1180	22.61	19.77	42.38	56.00	-13.62	QP
4	1.1180	14.20	19.77	33.97	46.00	-12.03	AVG
5	2.6540	22.68	19.81	42.49	56.00	-13.51	QP
6	2.6540	12.40	19.81	32.21	46.00	-13.79	AVG
7	3.3180	26.67	19.84	46.51	56.00	-9.49	QP
8	3.3180	12.58	19.84	32.42	46.00	-13.58	AVG
9	5.0020	30.95	19.82	50.77	60.00	-9.23	QP
10	5.0020	10.30	19.82	30.12	50.00	-19.88	AVG
11	8.3420	25.19	20.05	45.24	60.00	-14.76	QP
12	8.3420	11.66	20.05	31.71	50.00	-18.29	AVG

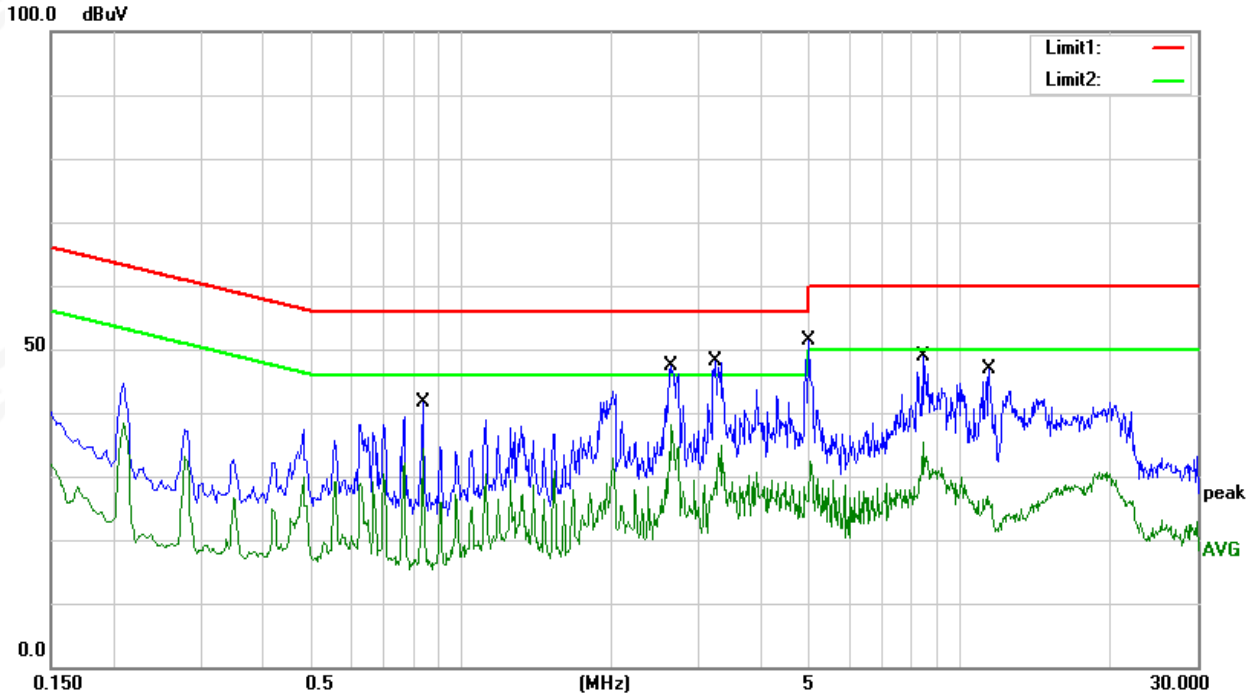
Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor = Insertion loss + Cable loss.



Temperature:	25.1℃	Relative Humidity:	59%
Phase:	N	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.06.05

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.8380	21.73	19.80	41.53	56.00	-14.47	QP
2	0.8380	14.65	19.80	34.45	46.00	-11.55	AVG
3	2.6460	27.64	19.81	47.45	56.00	-8.55	QP
4	2.6460	18.25	19.81	38.06	46.00	-7.94	AVG
5	3.2340	28.32	19.83	48.15	56.00	-7.85	QP
6	3.2340	15.12	19.83	34.95	46.00	-11.05	AVG
7	4.9940	31.54	19.82	51.36	56.00	-4.64	QP
8	4.9940	12.56	19.82	32.38	46.00	-13.62	AVG
9	8.4220	28.92	20.06	48.98	60.00	-11.02	QP
10	8.4220	15.20	20.06	35.26	50.00	-14.74	AVG
11	11.4380	26.50	20.32	46.82	60.00	-13.18	QP
12	11.4380	10.42	20.32	30.74	50.00	-19.26	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor = Insertion loss + Cable loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1 GHz
Measurement Method and Applied Limits:
ANSI C63.4:

Frequency (MHz)	☐Class A	☒Class B	
	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 10m)	Field strength (dBuV/m) (at 3m)
30 ~ 88	49.5	30	40
88 ~ 216	54	33.5	43.5
216 ~ 960	56.9	36	46
Above 960	60	44	54

Above 1 GHz
Measurement Method and Applied Limits:
ANSI C63.4:

Frequency (MHz)	☐Class A		☒Class B			
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	64	44	74	54

Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 ~ 108	1000
108 ~ 500	2000
500 ~ 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note:

(1) The limit for radiated test was performed in the following: FCC PART 15B.

(2) The tighter limit applies at the band edges

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

a. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meter.
c. The height of antenna is varied from 1 meter to 4 meter above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meter and the rotatable table was turned from 0 degrees to 360 degree to find the maximum reading.
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

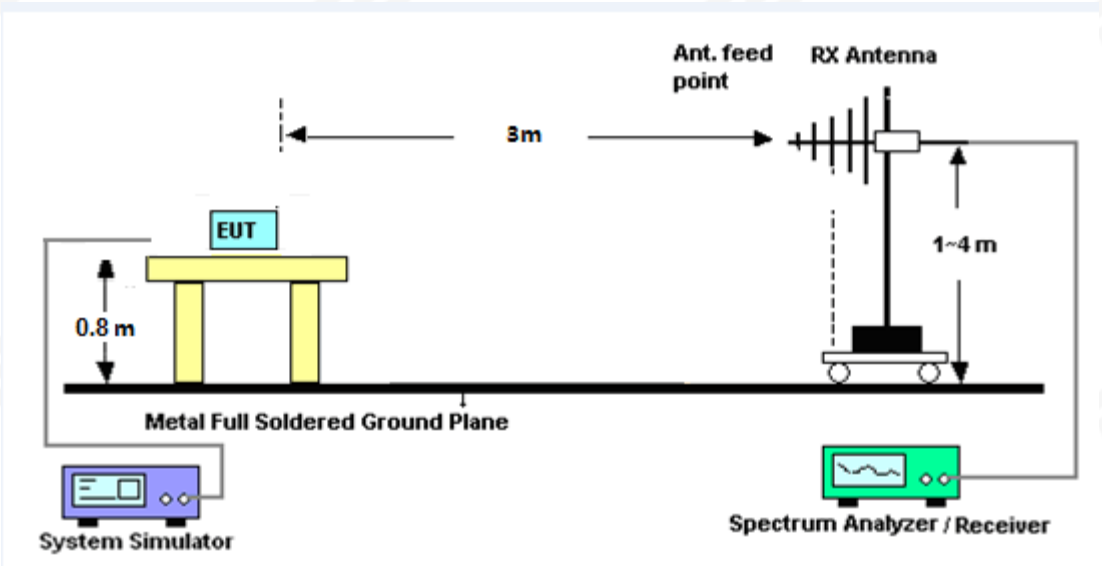
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

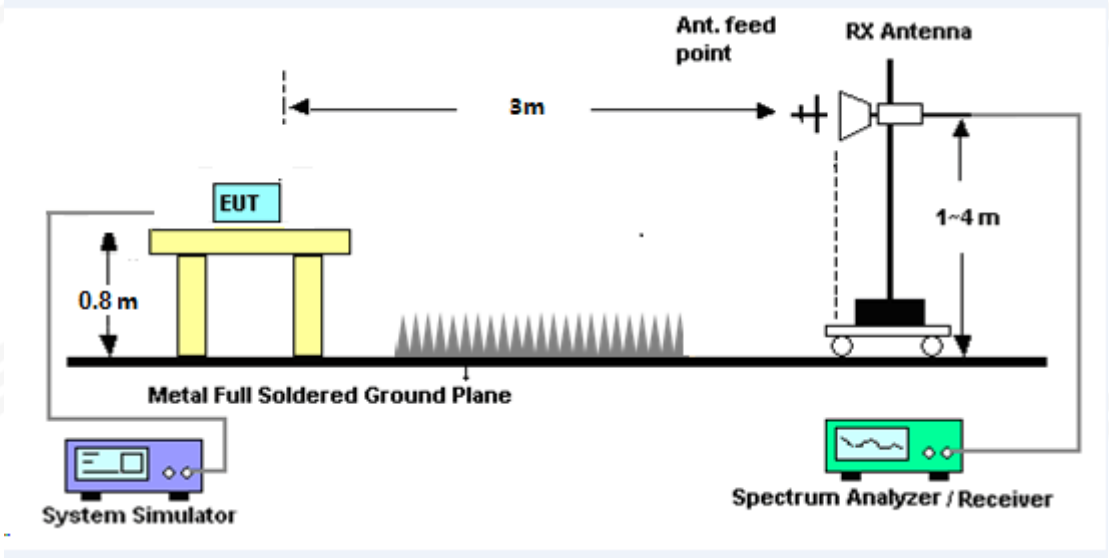
No deviation

3.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

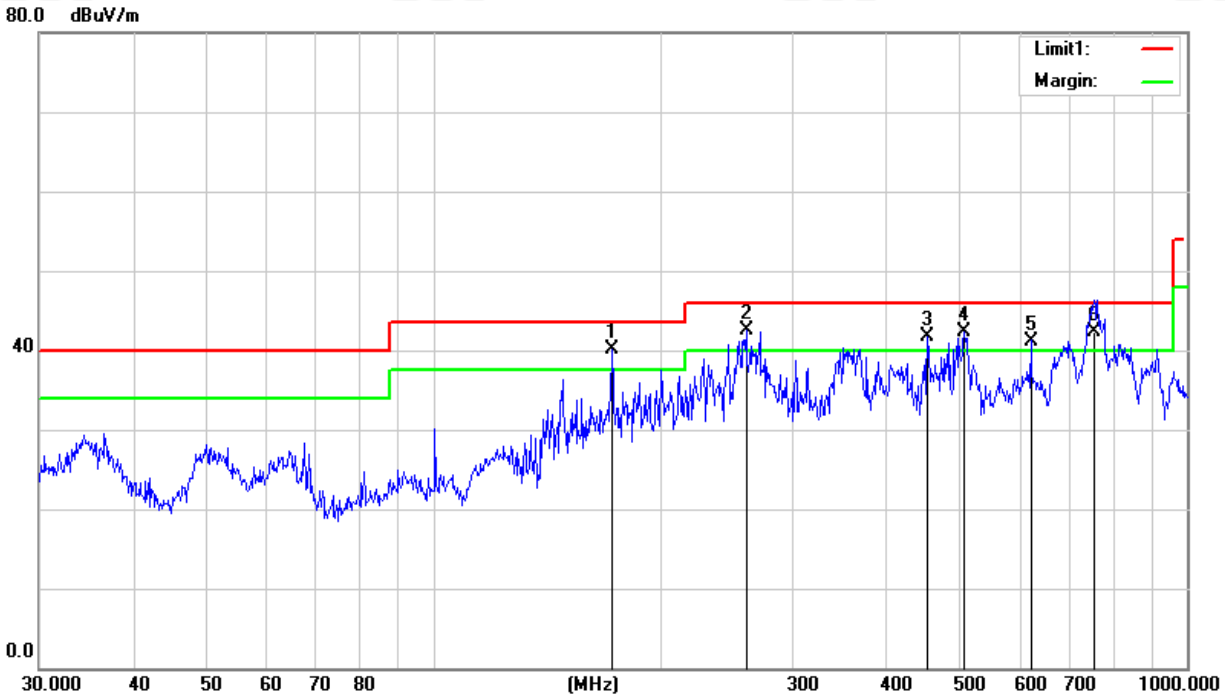
The EUT tested system was configured as the statements of **2.3** described unless otherwise a special operating condition is specified in the following during the testing.

3.2.6 TEST RESULTS (30MHz-1000MHz)

Temperature:	26.1℃	Relative Humidity:	53%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.05.28

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	172.5988	60.30	-20.13	40.17	43.50	-3.33	QP
2	260.1444	57.10	-14.69	42.41	46.00	-3.59	QP
3	452.7196	53.86	-12.13	41.73	46.00	-4.27	QP
4	506.4791	52.82	-10.61	42.21	46.00	-3.79	QP
5	620.7096	49.95	-8.75	41.20	46.00	-4.80	QP
6	752.7832	47.39	-5.09	42.30	46.00	-3.70	QP

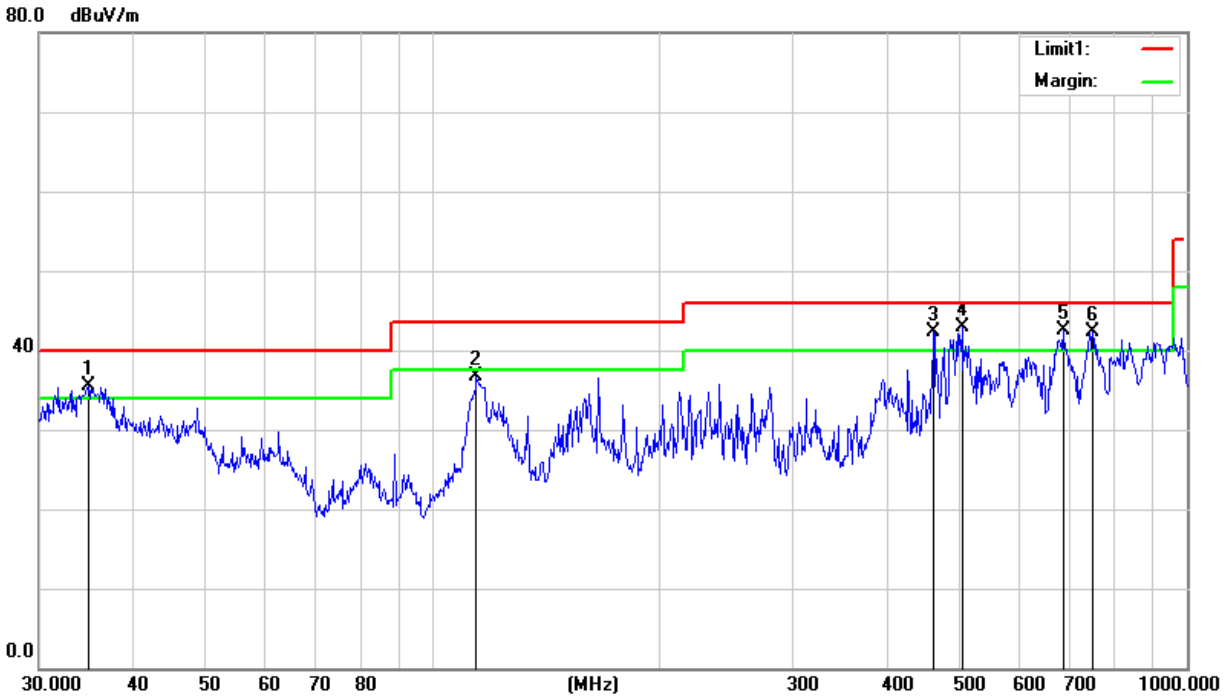
Remark:
1. All readings are Quasi-Peak.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain.



Temperature:	26.1℃	Relative Humidity:	53%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.05.28

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.8823	49.25	-13.75	35.50	40.00	-4.50	QP
2	114.1138	55.72	-19.03	36.69	43.50	-6.81	QP
3	460.7271	53.90	-11.65	42.25	46.00	-3.75	QP
4	502.9395	53.47	-10.51	42.96	46.00	-3.04	QP
5	684.7454	50.50	-7.93	42.57	46.00	-3.43	QP
6	750.1083	47.31	-4.93	42.38	46.00	-3.62	QP

Remark:
1. All readings are Quasi-Peak.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain.

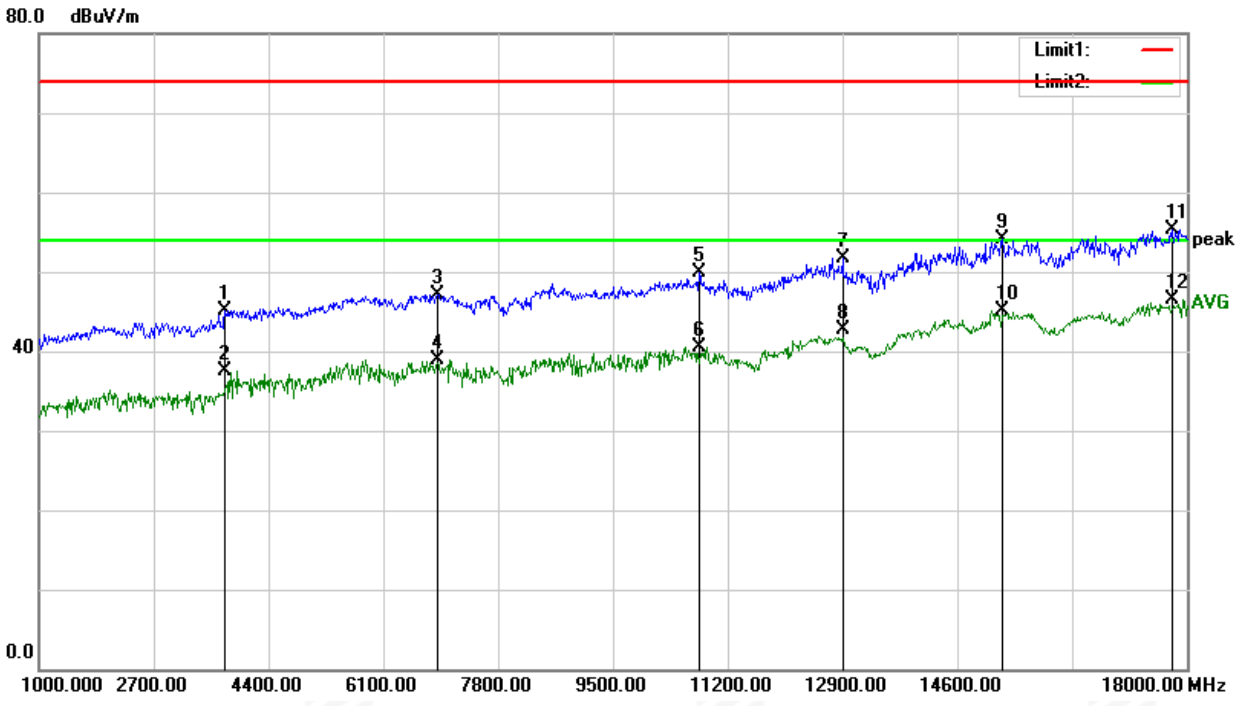


3.2.7 TEST RESULT (1000-18000 MHz)

Temperature:	25.3℃	Relative Humidity:	43%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.05.28

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	3762.500	41.45	3.74	45.19	74.00	-28.81	peak
2	3762.500	33.78	3.74	37.52	54.00	-16.48	AVG
3	6907.500	36.51	10.57	47.08	74.00	-26.92	peak
4	6907.500	28.32	10.57	38.89	54.00	-15.11	AVG
5	10775.000	35.83	14.03	49.86	74.00	-24.14	peak
6	10775.000	26.44	14.03	40.47	54.00	-13.53	AVG
7	12900.000	36.40	15.37	51.77	74.00	-22.23	peak
8	12900.000	27.34	15.37	42.71	54.00	-11.29	AVG
9	15271.500	36.41	17.60	54.01	74.00	-19.99	peak
10	15271.500	27.46	17.60	45.06	54.00	-8.94	AVG
11	17787.500	31.14	24.24	55.38	74.00	-18.62	peak
12	17787.500	22.18	24.24	46.42	54.00	-7.58	AVG

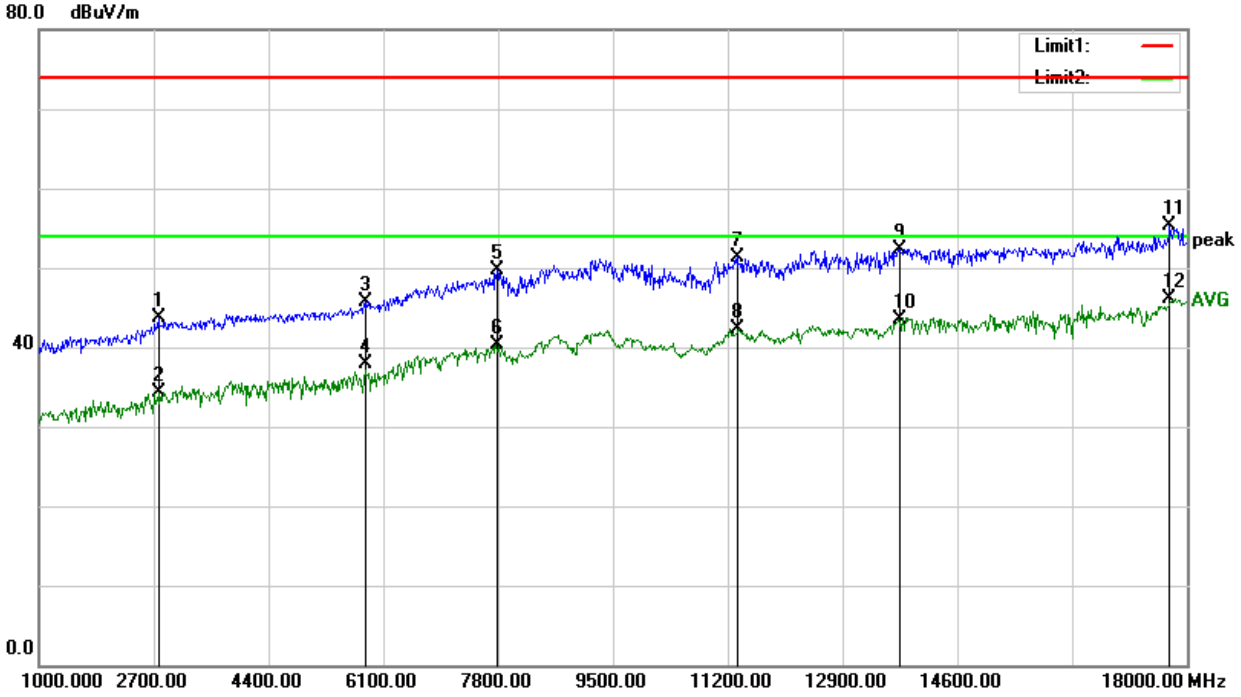
Remark:
1. All readings are Quasi-Peak.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain.



Temperature:	25.3℃	Relative Humidity:	43%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2025.05.28

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	2768.000	42.65	1.05	43.70	74.00	-30.30	peak
2	2768.000	33.30	1.05	34.35	54.00	-19.65	AVG
3	5853.500	38.27	7.50	45.77	74.00	-28.23	peak
4	5853.500	30.42	7.50	37.92	54.00	-16.08	AVG
5	7783.000	38.64	11.11	49.75	74.00	-24.25	peak
6	7783.000	29.22	11.11	40.33	54.00	-13.67	AVG
7	11336.000	37.00	14.40	51.40	74.00	-22.60	peak
8	11336.000	27.96	14.40	42.36	54.00	-11.64	AVG
9	13758.500	35.93	16.47	52.40	74.00	-21.60	peak
10	13758.500	27.08	16.47	43.55	54.00	-10.45	AVG
11	17753.500	31.72	23.68	55.40	74.00	-18.60	peak
12	17753.500	22.48	23.68	46.16	54.00	-7.84	AVG

Remark:
1. All readings are Quasi-Peak.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain.



Notes:
1. Measuring frequencies from 1 GHz to 18GHz
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak and average detector mode of the emission shown in Actual FS column.
3. The frequency emission of 18-25GHz is at least 20dB lower than the limit, and the frequency emission mainly comes from environmental noise

※※※※※END OF THE REPORT※※※※※