



FCC TEST REPORT
FCC ID:2A482-NMS67QI2US

Report Number.....: **ZHT-240703026E**

Date of Test..... July 03, 2024 to July 11, 2024

Date of issue.....: July 11, 2024

Test Result: PASS

Testing Laboratory.....: **Guangdong Zhonghan Testing Technology Co., Ltd.**

Address: Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Applicant's name: **Shenzhen Baseus Technology Co., Ltd.**

Address: 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd,Gangtou Community, Bantian Street, Longgang District, Shenzhen. China

Manufacturer's name: **Shenzhen Baseus Technology Co., Ltd.**

Address: 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd,Gangtou Community, Bantian Street, Longgang District, Shenzhen. China

Test specification:

Standard.....: FCC CFR Title 47 Part 15 Subpart C

Test procedure.....: /

Non-standard test method: N/A

This device described above has been tested by ZHT, and the test resul/ show that the equipment under test (EUT) is in compliance with the FCC requiremen/. 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 ZHT, this document may be altered or revised by ZHT, personal only, and shall be noted in the revision of the document.

Product name.....: **Baseus Nomos Power Strip**

Trademark: /

Model/Type reference.....: NMS67QI2-US

Model Difference.....: /



Ratings..... Input:125V~,60Hz
 AC Outlet Output:1000W Max. Rated Current:10A Max.
 USB-C1/USB-C2 Output:
 5V/9V/12V/15V===3A;10V===2.25A;20V===3.35A
 USB-C3/USB-A Output:5V===2.4A,
 Wireless Charging Output:15WMax.
 USB-C1/USB-C2+USB-C3/USB-A Output:45W+12W
 USB-C1/USB-C2+Wireless Charging Output:45W+15W
 Max.
 USB-A+USB-C3 Output:12W USB-C1+USB-C2
 Output:45W+20W
 USB-A/USB-C3+Wireless Charging Output:12W+15W Max.
 USB-C1+USB-C2+USB-C3/USB-A Output:30W+20W+12W
 USB-C1/USB-C2+(USB-C3+USB-A) Output:45W+12W
 USB-C1+USB-C2+(USB-C3+USB-A)
 Output:30W+20W+12W
 USB-C1+USB-C2+Wireless Charging Output:
 30W+15W+15W Max.
 USB-C1/USB-C2+USB-C3/USB-A+Wireless Charging
 Output:30W+12W+15W Max.
 USB-C1/USB-C2+(USB-C3+USB-A)+Wireless Charging
 Output:30W+12W+15W Max.
 (USB-C3+USB-A)+Wireless Charging Output:12W+15W
 Max.
 USB-C1+USB-C2+(USB-C3+USB-A)+Wireless Charging
 Output:20W+12W+12W+15W Max.

Testing procedure and testing location:

Testing Laboratory..... Guangdong Zhonghan Testing Technology Co., Ltd.
 Address..... Room 104, Building 1, Yibaolai Industrial Park, Qiaotou
 Community, Fuhai Street, Bao'an District, Shenzhen,
 Guangdong, China

Tested by (name + signature)..... Leon Li

Leon Li

Reviewer (name + signature)..... Baret Wu

Baret Wu

Approved (name + signature)..... Levi Lee

Levi Lee



TABLE OF CONTENT

1. VERSION 4

2. TEST SUMMARY 5

 2.1 TEST FACILITY 6

 2.2 MEASUREMENT UNCERTAINTY 6

3. GENERAL INFORMATION 7

 3.1 GENERAL DESCRIPTION OF EUT 7

 3.2 Test mode 7

 3.3 Block Diagram of EUT Configuration 7

 3.4 Test Conditions 7

 3.5 Description Of Support Uni/ (Conducted Mode) 8

 3.6 EQUIPMEN/ LIST FOR ALL TEST ITEMS 9

4. CONDUCTED EMISSION TEST 11

 4.1 CONDUCTED EMISSION MEASUREMENT 11

 4.1.1 POWER LINE CONDUCTED EMISSION Limi/ 11

 4.1.2 TEST PROCEDURE 11

 4.1.3 DEVIATION FROM TEST STANDARD 11

 4.1.4 TEST SETUP 12

 4.1.5 EUT OPERATING CONDITIONS 12

 4.1.6 Test Result 13

5. RADIATED EMISSION MEASUREMENT 15

 5.1 Radiated Emission Limi/ 15

 5.2 Anechoic Chamber Test Setup Diagram 16

 5.3 Test Procedure 16

 5.4 DEVIATION FROM TEST STANDARD 16

 5.5 Test Result 17

6. BANDWIDTH TEST 20

7. ANTENNA REQUIREMENT 22

8. TEST SETUP PHOTO 23

9. EUT CONSTRUCTIONAL DETAILS 23



1. VERSION

Report No.	Version	Description	Approved
ZHT-230705026E	Rev.01	Initial issue of report	July 11, 2024



2. TEST SUMMARY

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Spurious Emission	15.209(a)(f)	Pass
20dB Bandwidth	15.215	Pass

NOTE:

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



2.1 TEST FACILITY

Guangdong Zhonghan Testing Technology Co., Ltd.
Add. : Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District
Shenzhen, Guangdong, China

FCC Registration Number:255941
Designation Number: CN0325
IC Registered No.: 29832
CAB identifier: CN0143

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded 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 Test	$\pm 1.38\text{dB}$
2	RF conducted power	$\pm 0.16\text{dB}$
3	Conducted spurious emissions	$\pm 0.21\text{dB}$
4	All radiated emissions (9k-30MHz)	$\pm 4.68\text{dB}$
5	All radiated emissions (<1G)	$\pm 4.68\text{dB}$
6	All radiated emissions (>1G)	$\pm 4.89\text{dB}$
7	Temperature	$\pm 0.5^\circ\text{C}$
8	Humidity	$\pm 2\%$
9	Occupied Bandwidth	$\pm 4.96\%$



3. GENERAL INFORMATION

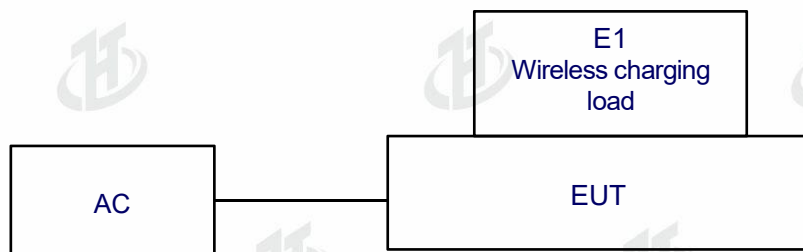
3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Baseus Nomos Power Strip
Test Model No:	NMS67QI2-US
Hardware version:	V1.0
Software version:	V1.0
Operation Frequency:	127-360KHz
Modulation type:	MSK
Antenna Type:	Coil Antenna
Antenna gain:	0dBi

3.2 Test mode

Test Modes:	
Mode 1	Wireless charging(5W)
Mode 2	Wireless charging(7.5W)
Mode 3	Wireless charging(10W)
Mode 4	Wireless charging(15W)
Note: 1. All modes were tested, only the worst-case was recorded in the report. Mode 4 is the worst mode.	

3.3 Block Diagram of EUT Configuration



3.4 Test Conditions

Temperature: 23~26°C

Relative Humidity: 54~63 %



3.5 Description Of Support Uni/ (Conducted Mode)

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Wireless charging load	N/A	EESON	N/A	AE

Item	Shielded Type	Ferrite Core	Length	Note

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.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.



3.6 EQUIPMEN/ LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Model	Last Cal.	Next Cal.
1	Receiver	R&S	ESCI	Mar 10, 2024	Mar 09, 2025
2	Loop antenna	EMCI	LAP600	Mar 10, 2024	Mar 09, 2025
3	Amplifier	Schwarzbeck	BBV 9743 B	Mar 10, 2024	Mar 09, 2025
4	Amplifier	Schwarzbeck	BBV 9718 B	Mar 10, 2024	Mar 09, 2025
5	Bilog Antenna	Schwarzbeck	VULB9168	Aug. 04, 2023	Aug. 03, 2024
6	Horn Antenna	Schwarzbeck	BBHA9120D	Mar 16, 2024	Mar 15, 2025
7	Horn Antenna	A.H.SYSTEMS	SAS574	Mar 10, 2024	Mar 09, 2025
8	Amplifier	AEROFLEX	100KHz-40GHz	Mar 10, 2024	Mar 09, 2025
9	Spectrum Analyzer	R&S	FSV40	Mar 10, 2024	Mar 09, 2025
10	966 Anechoic Chamber	EMToni	9m6m6m	Nov. 25, 2021	Nov. 24, 2024
11	Spectrum Analyzer	KEYSIGHT	N9020A	Mar 10, 2024	Mar 09, 2025
12	WIDBAND RADIO COMMUNICATION TESTER	R&S	CMW500	Mar 10, 2024	Mar 09, 2025
13	Single Generator	Agilent	N5182A	Mar 10, 2024	Mar 09, 2025
14	Power Sensor	MWRFtest	MW100-RFCB	Mar 10, 2024	Mar 09, 2025
15	Audio analyzer	R&S	UPL	Mar 10, 2024	Mar 09, 2025
16	Single Generator	R&S	SMB100A	Mar 10, 2024	Mar 09, 2025
17	Power Amplifier Shielding Room	EMToni	2m3m3m	Nov. 25, 2021	Nov. 24, 2024



Conduction Test equipment

Equipment	Manufacturer	Model	Last Cal.	Next Cal.
Receiver	R&S	ESCI	Mar 10, 2024	Mar 09, 2025
LISN	R&S	ENV216	Mar 10, 2024	Mar 09, 2025
ISN CAT 6	Schwarzbeck	NTFM 8158	Mar 10, 2024	Mar 09, 2025
ISN CAT 5	Schwarzbeck	CAT5 8158	Mar 10, 2024	Mar 09, 2025
Capacitive Voltage Probe	Schwarzbeck	CVP 9222 C	Mar 10, 2024	Mar 09, 2025
Current Transformer Clamp	Schwarzbeck	SW 9605	Mar 10, 2024	Mar 09, 2025
CE Shielding Room	EMToni	9m4m3m	Nov. 25, 2021	Nov. 24, 2024



4. CONDUCTED EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limi/

FREQUENCY (MHz)	Limit (dBuV)		Standard
	QP	AVG	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

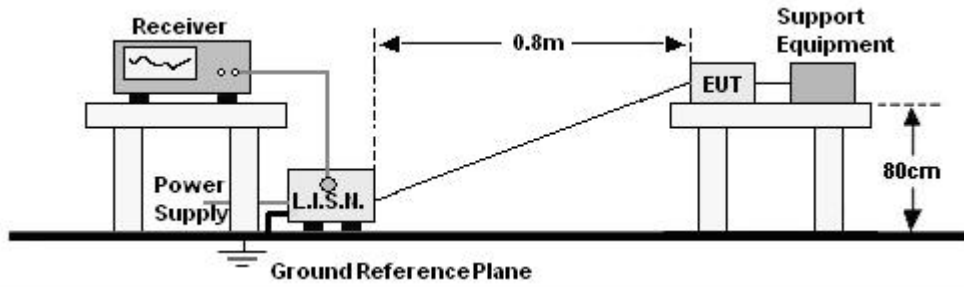
4.1.2 TEST PROCEDURE

- 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 equipmen/ 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. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



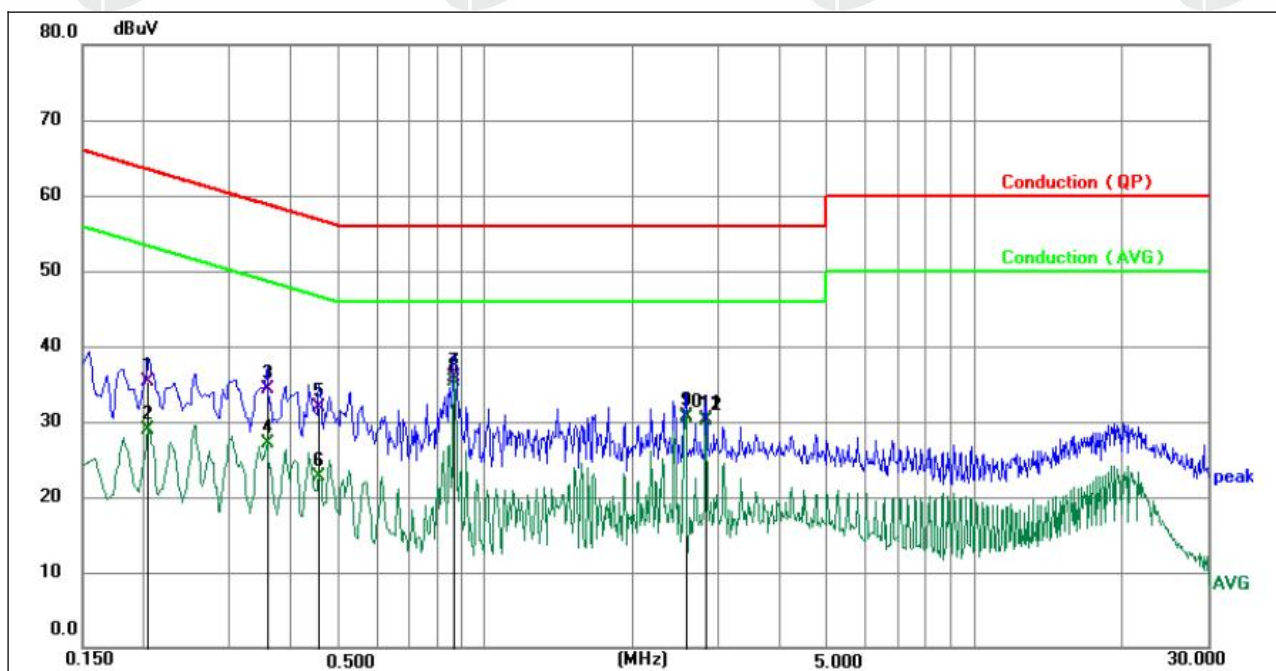
4.1.5 EUT OPERATING CONDITIONS

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.



4.1.6 Test Result

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 4



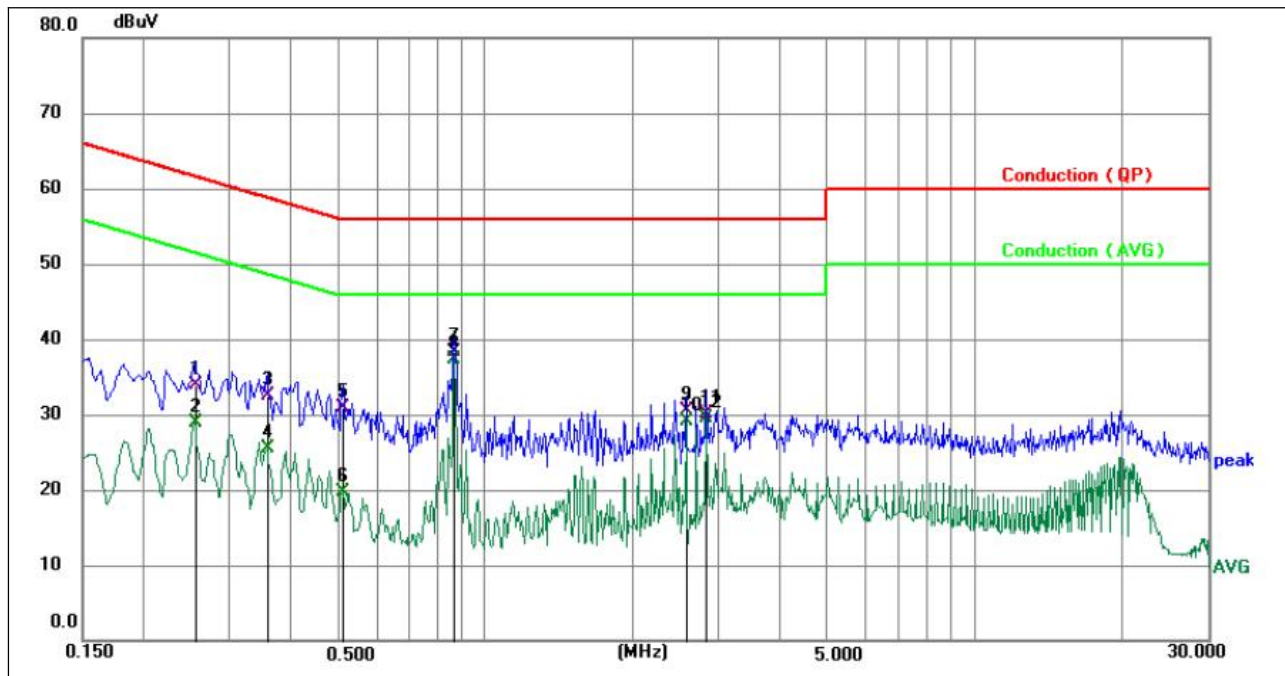
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2040	25.42	9.91	35.33	63.45	-28.12	QP	P	
2	0.2040	18.97	9.91	28.88	53.45	-24.57	AVG	P	
3	0.3570	24.33	9.97	34.30	58.80	-24.50	QP	P	
4	0.3570	17.15	9.97	27.12	48.80	-21.68	AVG	P	
5	0.4560	21.97	10.01	31.98	56.77	-24.79	QP	P	
6	0.4560	12.63	10.01	22.64	46.77	-24.13	AVG	P	
7	0.8655	25.79	10.05	35.84	56.00	-20.16	QP	P	
8 *	0.8655	25.23	10.05	35.28	46.00	-10.72	AVG	P	
9	2.5754	20.73	10.06	30.79	56.00	-25.21	QP	P	
10	2.5754	20.46	10.06	30.52	46.00	-15.48	AVG	P	
11	2.8320	20.24	10.07	30.31	56.00	-25.69	QP	P	
12	2.8320	19.95	10.07	30.02	46.00	-15.98	AVG	P	

Notes:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Measurement Level = Reading level + Correct Factor



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	N
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 4



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2535	23.99	9.93	33.92	61.64	-27.72	QP	P	
2	0.2535	18.96	9.93	28.89	51.64	-22.75	AVG	P	
3	0.3570	22.52	9.97	32.49	58.80	-26.31	QP	P	
4	0.3570	15.51	9.97	25.48	48.80	-23.32	AVG	P	
5	0.5100	20.97	10.02	30.99	56.00	-25.01	QP	P	
6	0.5100	9.63	10.02	19.65	46.00	-26.35	AVG	P	
7	0.8655	28.22	10.05	38.27	56.00	-17.73	QP	P	
8 *	0.8655	27.19	10.05	37.24	46.00	-8.76	AVG	P	
9	2.5710	20.49	10.06	30.55	56.00	-25.45	QP	P	
10	2.5710	18.98	10.06	29.04	46.00	-16.96	AVG	P	
11	2.8320	20.04	10.07	30.11	56.00	-25.89	QP	P	
12	2.8320	19.51	10.07	29.58	46.00	-16.42	AVG	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



5. RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 1GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

5.1 Radiated Emission Limi/

Limi/ for frequency below 30MHz

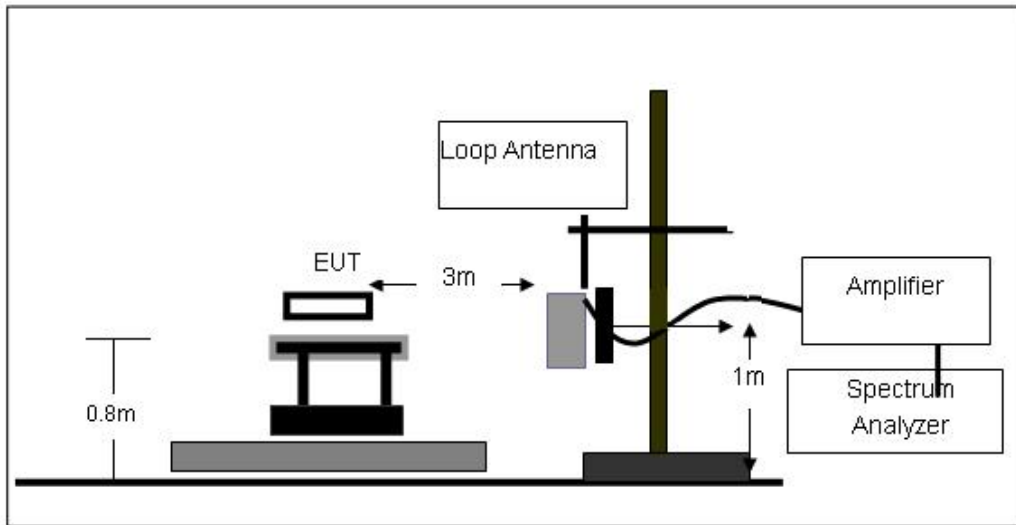
Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

Limi/ for frequency Above 30MHz

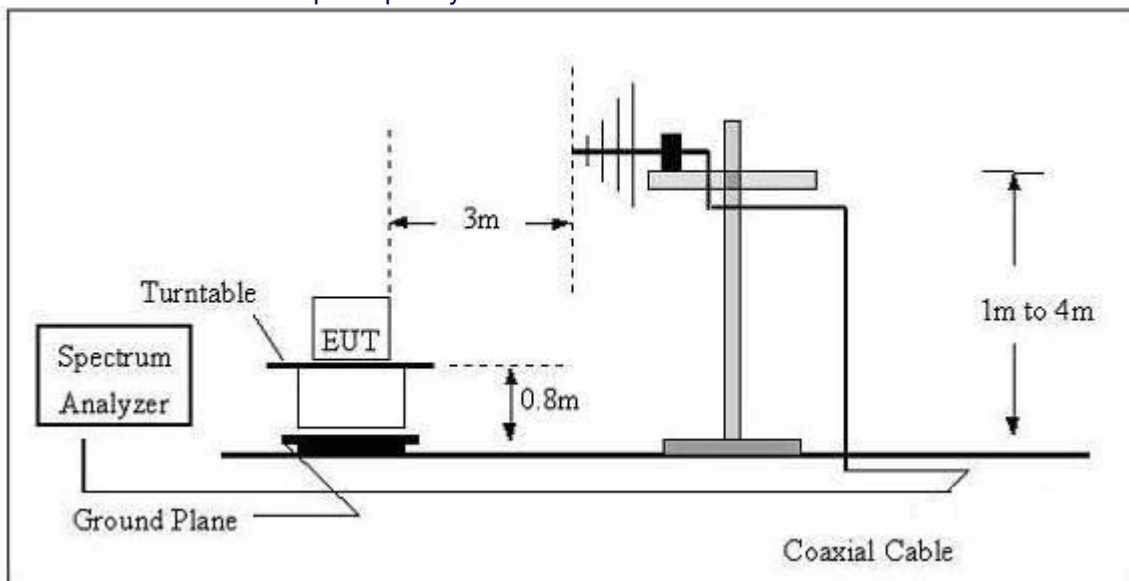
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

5.2 Anechoic Chamber Test Setup Diagram

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.205 limits.

5.3 Test Procedure

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on an antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

5.4 DEVIATION FROM TEST STANDARD

No deviation



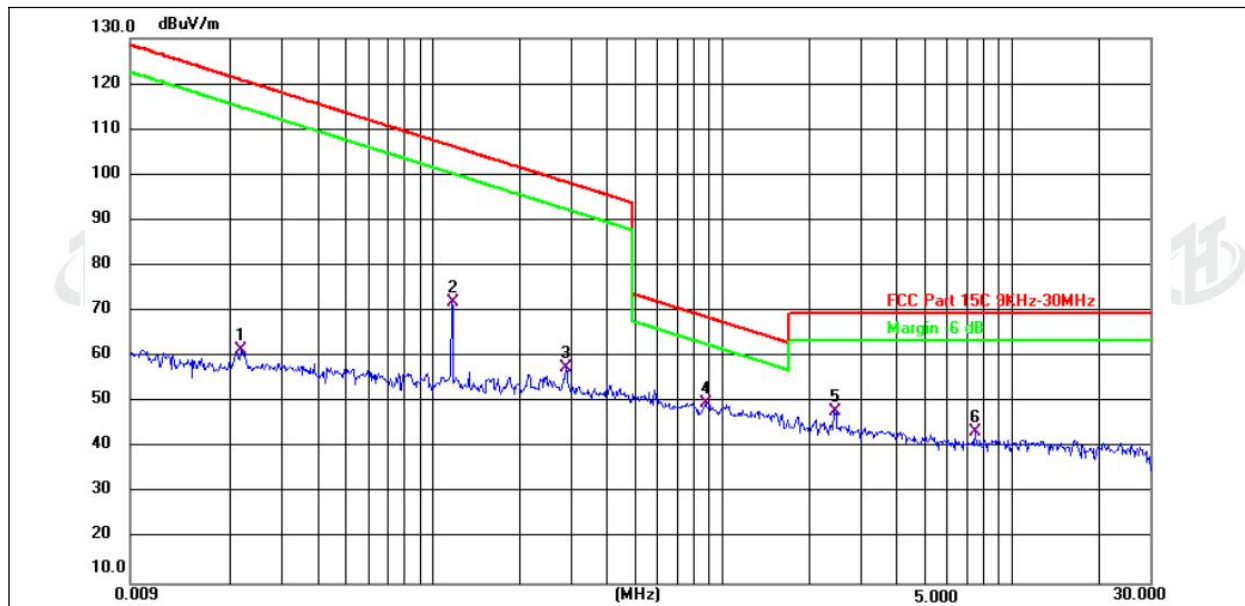
5.5 Test Result

Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80
Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode 4



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0217	61.15	0.18	61.33	120.88	-59.55	QP
2	0.1181	71.88	0.16	72.04	106.16	-34.12	QP
3	0.2872	56.72	0.71	57.43	98.44	-41.01	QP
4 *	0.8730	47.87	1.85	49.72	68.78	-19.06	QP
5	2.4663	42.73	5.12	47.85	69.54	-21.69	QP
6	7.4333	28.15	15.19	43.34	69.54	-26.20	QP

Note:

Pre-scan in the all of mode, the worst case in of was recorded.

Factor = antenna factor + cable loss – pre-amplifier.

Emission Level = Meter Reading - Factor

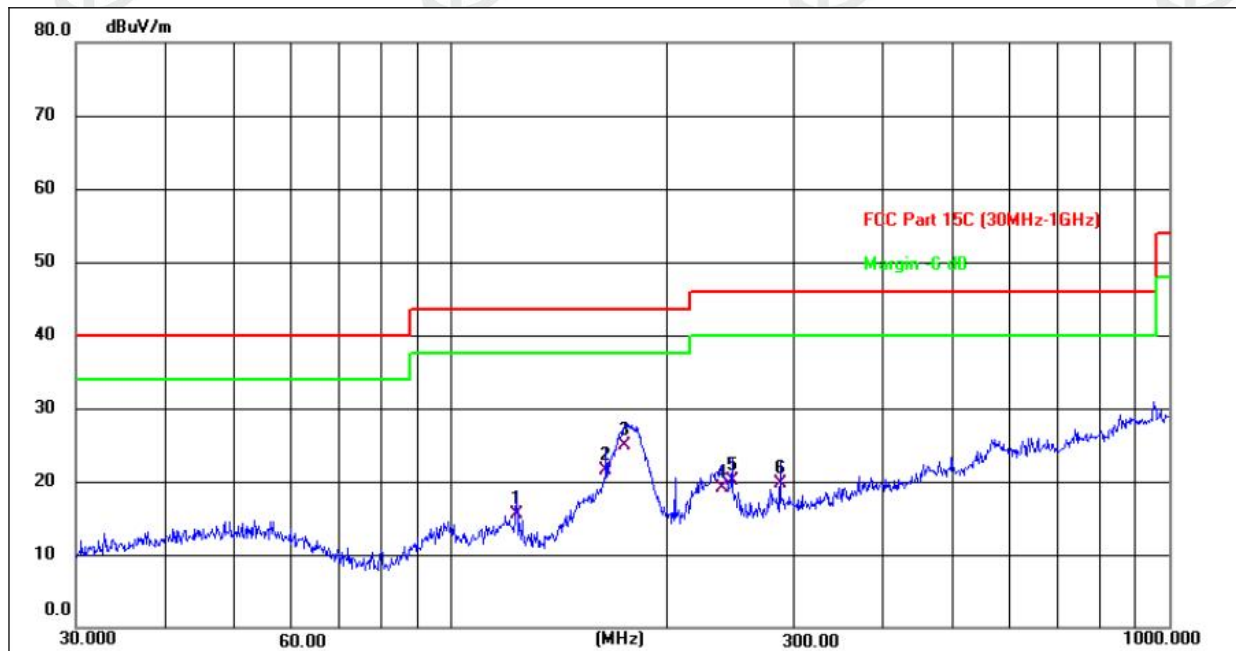
Margin = Emission Level- Limit.

The amplitude of emissions which are attenuated by more than 20db below the permissible value has no need to be reported.



30MHz-1GHz

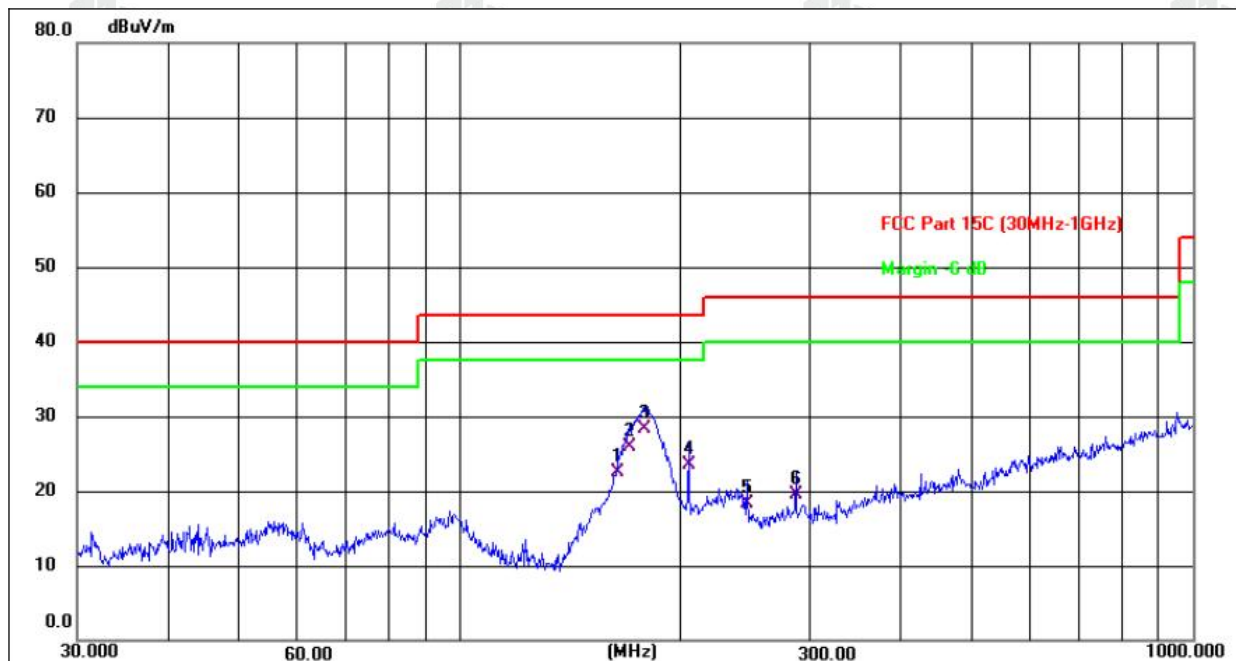
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode 4



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	123.2653	28.56	-13.09	15.47	43.50	-28.03	QP
2	164.3301	34.65	-13.21	21.44	43.50	-22.06	QP
3 *	174.4240	37.56	-12.65	24.91	43.50	-18.59	QP
4	238.3101	28.56	-9.49	19.07	46.00	-26.93	QP
5	245.9510	29.28	-9.21	20.07	46.00	-25.93	QP
6	286.9823	28.05	-8.30	19.75	46.00	-26.25	QP



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode 4



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	164.3301	35.70	-13.21	22.49	43.50	-21.01	QP
2	170.1947	38.88	-12.88	26.00	43.50	-17.50	QP
3 *	178.7583	40.74	-12.41	28.33	43.50	-15.17	QP
4	204.9550	34.19	-10.70	23.49	43.50	-20.01	QP
5	245.9510	27.51	-9.21	18.30	46.00	-27.70	QP
6	286.9823	27.79	-8.30	19.49	46.00	-26.51	QP

Remarks:

- Factor = Antenna Factor + Cable Loss – Preamplifier Factor
- Level = Reading + Factor
- Margin = Emission Level- Limit.
- The emission levels of other frequencies are very lower than the limit and not show in test report.



6. BANDWIDTH TEST

1. Set RBW = 10 Hz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude poin/ (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

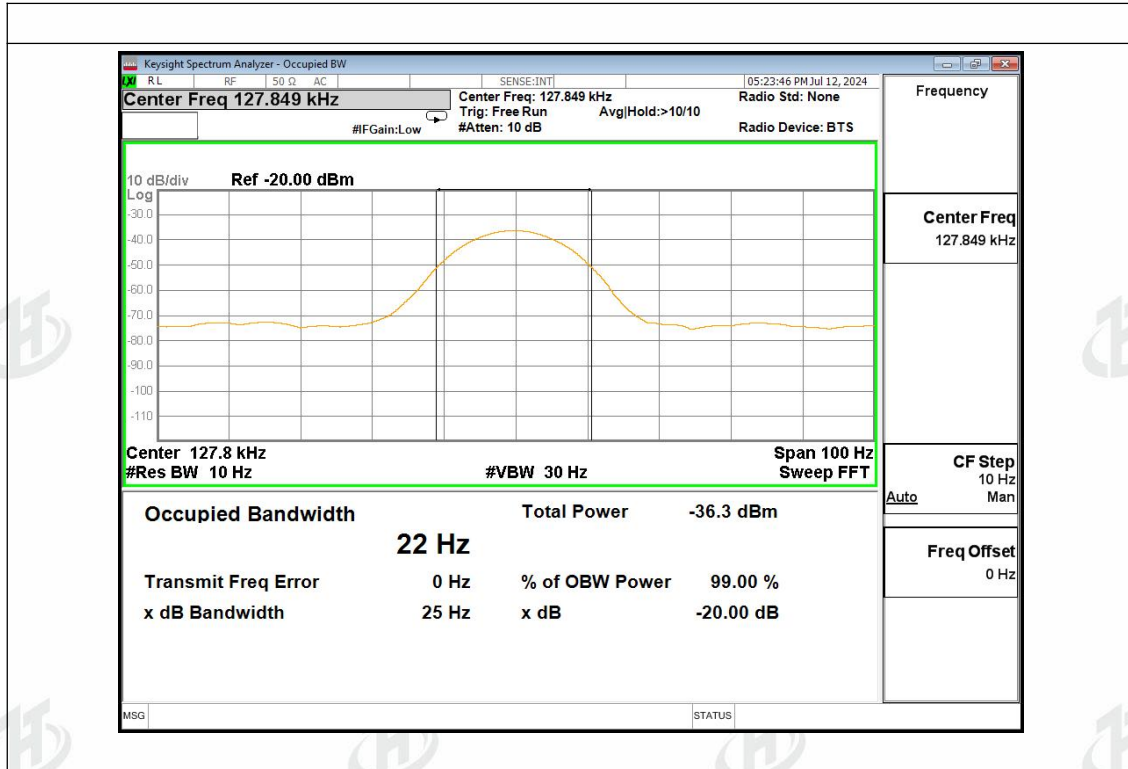
TEST SETUP





Temperature:	25.7 °C	Relative Humidity:	55%
Pressure:	101kPa		

Frequency (KHz)	20dB bandwidth (KHz)	Result
127.849	0.25	Pass





7. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
EUT Antenna: The antenna is Coil Antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details	



8. TEST SETUP PHOTO

Reference to the appendix I for details.

9. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

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