

# **RF Test Report**

Applicant : Getac Technology Corporation

Product Name : Digitizer Module

Trade Name : EMRight

Model Number : GET-080A

Applicable Standard : FCC 47 CFR PART 15 SUBPART C

ANSI C63.10:2013

Received Date : Oct. 31, 2023

Test Period : Mar. 06, 2024 ~ Mar. 11, 2024

Issued Date : Apr. 01, 2024

## Issued by

Eurofins E&E Wireless Taiwan Co., Ltd. No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Tel: +886-3-2710188 / Fax: +886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330

Frequency Range: 9 kHz to 325 GHz

Bade test site:

Test Firm Registration Number: 226252 Test Firm Designation Number: TW0010

Wugu test site:

Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

#### Note:

- 1. The test results are valid only for samples provided by customers and under the test conditions described in this report.
- 2. This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
- 3. The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.











# **Revision History**

Rev.	Issued Date	Description	Revised by
00	Apr. 01, 2024	Initial Issue	Abby Huang



# Verification of Compliance

Applicant	:	Getac Technology Corporation
Product Name	:	Digitizer Module
Trade Name	:	EMRight
Model Number	:	GET-080A
FCC ID	:	QYLZX80
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Test Result	:	Complied
Performing Lab.	:	Eurofins E&E Wireless Taiwan Co., Ltd.  No. 140-1, Changan Street, Bade District,  Taoyuan City 334025, Taiwan (R.O.C.)  Tel: +886-3-2710188 / Fax: +886-3-2710190  Taiwan Accreditation Foundation accreditation number: 1330
he above standards. All inc Faiwan Co., Ltd. based on int	dicat terp	Co., Ltd. tested the above equipment in accordance with the requirements set forth in tions of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless retations and/or observations of test results. The test results show that the equipment ng compliance with the requirements as documented in this report.
Approved By	:	



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# Appendix A. Test Setup Photographs





# 1 General Information

# 1.1. Summary of Test Result

Standard	ard Item		Remark
15.207(a)	Conducted Emissions Voltage	PASS	
15.209 Radiated Emission Limits		PASS	
15.215 (c) 20 dB Bandwidth		PASS	
15.203	Antenna Requirement	PASS	

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

### **Decision Rule**

- Uncertainty is not included.
- $\hfill \square$  Uncertainty is included.

## 1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: 

No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Site Address: No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)



# 1.3. Measurement Uncertainty

Took Ikawa	F	Uncertainty				
Test Item	Frequency	BD		WG		
Conducted Emission	150 kHz ~ 30 MHz	2.7	dB	2.6 dB		
RF Bar	ndwidth	4.5	5 %	4.5	4.5 %	
Test Item	Fraguanay	Uncertainty				
restitem	Frequency	96601-BD	96603-BD	96602-WG	96603-WG	
	9 kHz ~ 30 MHz	1.9 dB	1.9 dB	1.6 dB	1.6 dB	
	30 MHz ~ 1000 MHz	4.9 dB	4.9 dB	4.8 dB	4.8 dB	
Radiated Emission	1000 MHz ~ 18000 MHz	4.9 dB	5.0 dB	5.0 dB	5.2 dB	
	18000 MHz ~ 26500 MHz	4.3 dB	4.4 dB	4.4 dB	4.5 dB	
	26500 MHz ~ 40000 MHz	4.5 dB	4.5 dB	4.6 dB	4.5 dB	

# 1.4. Test Site Environment

Items	Required (IEC 60068-1)	Interval(*)	
Temperature (°C)	15-35	20-30	
Humidity (%RH)	25-75	45-75	

<sup>(\*)</sup>The measurement ambient temperature is within this range.



# 2 **EUT Description**

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity

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Applicant	Getac Technology Corporation 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist., Taipei City, 115018, Taiwan	
Product Name	Digitizer Module	
Trade Name	EMRight	
Model Number	GET-080A	
FCC ID	QYLZX80	
Host Information	Product Name: Tablet Trade Name: Getac Model Name: ZX80, ZX80Y(Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_" or blank for marketing purpose) (All models are electrically identical, different model names are for marketing purpose.)	
Frequency Range	510.6 kHz	
Modulation Type	PDM	
Number of Channels	1 Channel	
Antenna Type	Loop Antenna	
Operate Temp. Range	-10 ~ +75 °C	
EUT Power Rating	DC 3.3 V	

Note: All measurements were performed radiated and therefore additional antenna gain is not required.



# 3 Test Methodology

# 3.1. Mode of Operation

The following test mode(s) were scanned during the preliminary test:

Pre-Test Mode	
Transmit Mode	

Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation.

The device used two models of adapter, adapter number: A20-065N3A is worst case to perform testing.

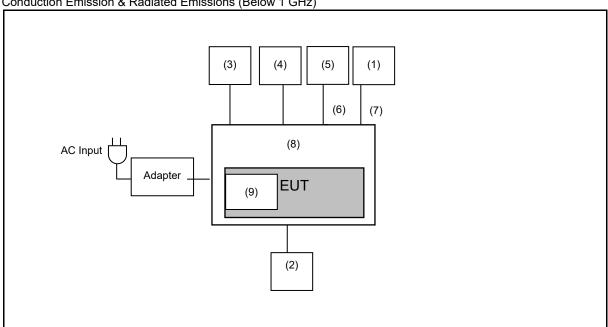
# 3.2. EUT Test Step

1.	Setup the EUT shown on "Configuration of Test System Details".
2.	Turn on the power of all equipment.
3.	The EUT will start to operate function.



# 3.3. Configuration of Test System Details





	Devices Description						
	Product	Manufacturer Model Number		Serial Number	Power Cord		
(1)	Notebook	DELL	P137G				
(2)	Earphone	APPLE	MNHF2FE/A				
(3)	Keyboard	DELL	KB4021				
(4)	Mouse	ASUS	YACHT				
(5)	Monitor	ASUS	PA279				
(6)	HDMI Cable	I-gota	CH2-WD018				
(7)	Lan Cable	Tatung	CAT5e				
(8)	Office Dock	Getac	ZX80 Office Dock				
(9) Digitizer Pen		EMRight	GT-090S				



## 3.4. Test Instruments

For Conducted

Test Period: Mar. 06, 2024
Testing Engineer: Sandy Yang

	esting Engineer. Oandy Tang						
Test Site		Test Site	RF03-WG				
	Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
	$\boxtimes$	Spectrum Analyzer (10 Hz~44 GHz)	KEYSIGHT	N9020B	MY60112361	Jan. 04, 2024	1 year

For Radiated Emissions

Test Period: Mar. 08, 2024 ~ Mar. 11, 2024

Testing Engineer: Jason Yeh

	adiation test sites		Semi Anechoic Room 96603-WG			
Use	Equipment	Manufacturer Model Number		Serial Number	Cal. Date	Cal. Period
$\boxtimes$	LOOP Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	00031	Feb. 23, 2024	1 year
$\boxtimes$	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	1276	Feb. 02, 2024	1 year
$\boxtimes$	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57153537	Apr. 18, 2023	1 year
$\boxtimes$	Pre-Amplifier	EMCI EMC001330		980859	Nov. 29, 2023	1 year
$\boxtimes$	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211009	Dec. 28, 2023	1 year
$\boxtimes$	Coaxial Cable (10 kHz~3000 MHz)	EMCI EMCCFD400-NM-NM-2000		211010	Dec. 28, 2023	1 year
$\boxtimes$	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM-NM-6000	211018	Dec. 28, 2023	1 year
	Software	R_RAM	V1.3	N/A	N.C.R.	

Note: N.C.R. = No Calibration Request.



For Conduction Emissions
Test Period: Mar. 08, 2024
Testing Engineer: Jason Yeh

	engineer: Jason Yen adiation test sites	Conducted Emission Measurement Conduction01-WG						
Use	Equipment	Manufacturer	Manufacturer Model Number		Cal. Date	Cal. Period		
$\boxtimes$	Test Receiver	R&S	ESR3	102919	Dec 30, 2023	1 year		
$\boxtimes$	LISN	R&S	ENV216	101041	Apr 12, 2023	1 year		
$\boxtimes$	ISN	R&S	ENY81-CA6	101948	Dec 01, 2023	1 year		
$\boxtimes$	Current Probe	R&S	EZ-17	101687	Jun 15, 2023	1 year		
$\boxtimes$	Cable	EMCI	EMCCFD300-BM-NM-4000	220402	Jun 08, 2023	1 year		
$\boxtimes$	Software	ELEKTRA	94.50.4	N.A.	N.C.R.	N.C.R.		

Note: N.C.R. = No Calibration Request.





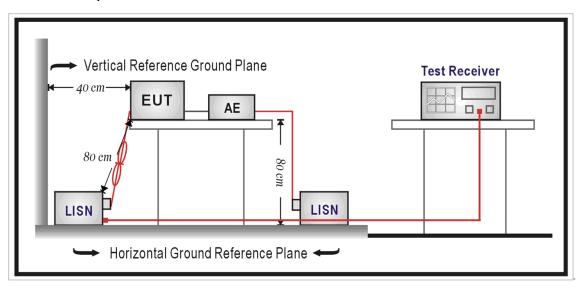
# 4 Measurement Procedure

## 4.1. AC Power Line Conducted Emission Measurement

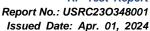
#### ■ Limit

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

#### ■ Test Setup









#### **■** Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50  $\,\Omega$ // 50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50  $\,\Omega$ // 50 uH coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of 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 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50  $\Omega$  ports of the LISN shall be resistively terminated into 50  $\Omega$  loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.



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### 4.2. Radiated Emission Measurement

#### ■ Limit

- (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:
- (b) In the emission table above, the tighter limit applies at the band edges.
- (c) The level of any unwanted emissions from an intentional radiator operating under these general provisions shall not exceed the level of the fundamental emission. For intentional radiators which operate under the provisions of other sections within this part and which are required to reduce their unwanted emissions to the limits specified in this table, the limits in this table are based on the frequency of the unwanted emission and not the fundamental frequency. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
- (d) The emission limits shown in the above table are based on measurements employing a CISPR quasipeak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- (e) The provisions in §§15.31, 15.33, and 15.35 for measuring emissions at distances other than the distances specified in the above table, determining the frequency range over which radiated emissions are to be measured, and limiting peak emissions apply to all devices operated under this part.
- In accordance with §15.33(a), in some cases the emissions from an intentional radiator must be measured to beyond the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator because of the incorporation of a digital device. If measurements above the tenth harmonic are so required, the radiated emissions above the tenth harmonic shall comply with the general radiated emission limits applicable to the incorporated digital device, as shown in §15.109 and as based on the frequency of the emission being measured, or, except for emissions contained in the restricted frequency bands shown in §15.205, the limit on spurious emissions specified for the intentional radiator, whichever is the higher limit. Emissions which must be measured above the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator and which fall within the restricted bands shall comply with the general radiated emission limits in §15.109 that are applicable to the incorporated digital device.
- (g) Perimeter protection systems may operate in the 54-72 MHz and 76-88 MHz bands under the provisions of this section. The use of such perimeter protection systems is limited to industrial, business and commercial applications.



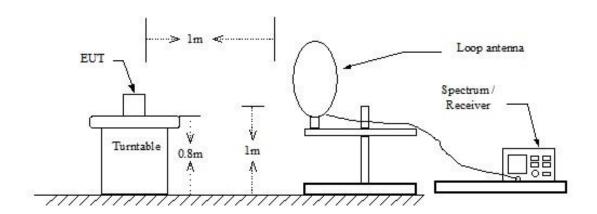
Frequency	Field Strength	Measurement Distance
(MHz)	(μV/m at meter)	(meter)
0.009 - 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

<sup>\*\*</sup> Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

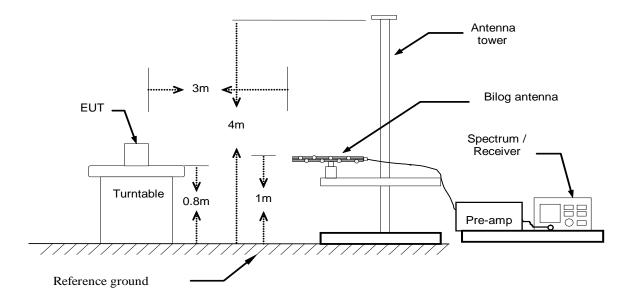


### ■ Setup

### 9 kHz ~ 30 MHz



30 MHz ~ 1 GHz





Report No.: USRC23O348001

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Issued Date: Apr. 01, 2024

#### **■** Test Procedure

Final radiation measurements were made on a three-meter Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 3 Hz to 44 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

Broadband/Horn Antenna were used in frequency 30 MHz to 18 GHz at a distance of 3 meter. Loop/Horn Antenna was used in frequency 9 kHz to 30 MHz and 18 to 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

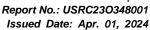
Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post - detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in microvolt pre-meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in microvolt per-meter (dBuV/m).







The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

- (1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)
  - FI= Reading of the field intensity.
  - AF= Antenna factor.
  - CL= Cable loss.
  - P.S Amplitude is auto calculate in spectrum analyzer.
- (2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
  - The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
  - (a) For fundamental frequency: Transmitter Output < +30 dBm
  - (b) For spurious frequency: Spurious emission limits = fundamental emission limit /10

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

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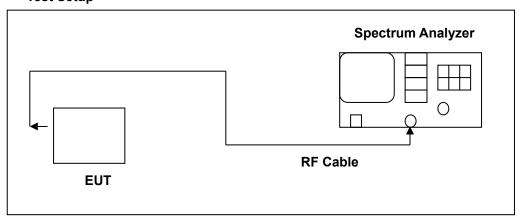


### 4.3. 20 dB Bandwidth

### ■ Limit

N/A

### ■ Test Setup



#### ■ Test Procedure

The bandwidth of the fundamental frequency was measured by spectrum analyzer with 1 kHz RBW and 3 kHz VBW.

## 4.4. Antenna Requirement

#### ■ Require

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 shall be considered sufficient to comply with the provisions of this section. 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.

#### ■ Antenna Connector Construction

See section 2 - antenna information.



# 5 Test Results

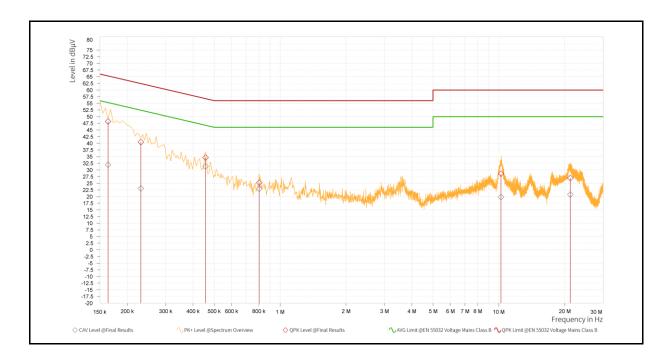
## 5.1. Conducted Emission

Standard: FCC Part 15.209 Line: L1

Test item: Conducted Emission Power: AC 120 V/60 Hz

Mode: Transmit Mode Temp.(°C)/Hum.(%RH): 26(°C)/60 %RH

Description:



No.	Frequency	QPK Level	QPK Limit	QPK Margin	CAV Level	CAV: AVG Limit	CAV Margin	Correction	Line
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.164	48.18	65.28	17.11	31.93	55.28	23.35	9.64	L1
1	0.231	40.42	62.41	21.99	23.07	52.41	29.34	9.64	L1
1	0.456	34.63	56.77	22.13	31.37	46.77	15.39	9.65	L1
1	0.803	25.21	56.00	30.79	22.91	46.00	23.09	9.67	L1
1	10.235	28.61	60.00	31.39	19.83	50.00	30.17	9.92	L1
1	21.228	26.95	60.00	33.05	20.74	50.00	29.26	10.11	L1

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

<sup>2.</sup> Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

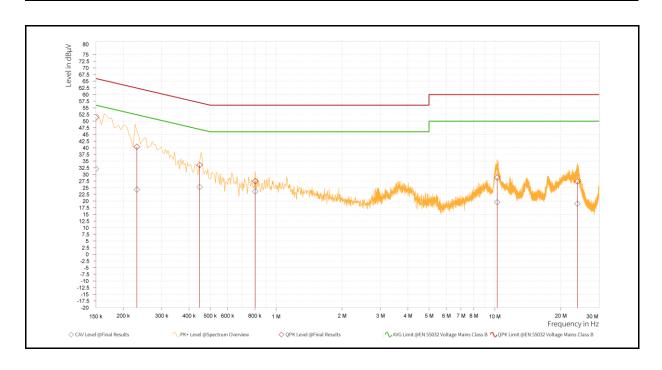


 Standard:
 FCC Part 15.209
 Line:
 N

 Test item:
 Conducted Emission
 Power:
 AC 120 V/60 Hz

 Mode:
 Transmit Mode
 Temp.(°C)/Hum.(%RH):
 26(°C)/60 %RH

 Description:



No.	Frequency	QPK Level	QPK Limit	QPK Margin	CAV Level	CAV: AVG Limit	CAV Margin	Correction	Line
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.150	51.33	66.00	14.67	32.09	56.00	23.91	9.64	N
1	0.231	40.37	62.41	22.04	24.30	52.41	28.11	9.64	N
1	0.447	33.50	56.93	23.43	25.26	46.93	21.67	9.65	N
1	0.803	27.44	56.00	28.56	23.58	46.00	22.42	9.67	N
1	10.253	28.84	60.00	31.16	19.56	50.00	30.44	9.95	N
1	23.865	27.40	60.00	32.60	19.02	50.00	30.98	10.26	N

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).



## 5.2. 20 dB Bandwidth

Test Mode	Transmit Mode
Frequency	Measurement Results
(kHz)	(kHz)
510.6	66.66

# ■ Test Graphs





### 5.3. Radiated Emission Measurement

#### Harmonic

9 kHz ~ 30 MHz:

Standard: FCC Part 15.209 Test Distance: 1 m

Test item: Harmonic Power: AC 120 V/60 Hz

Mode: Transmit Mode Temp.( $^{\circ}$ )/Hum.( $^{\circ}$ RH): 26( $^{\circ}$ C)/60 %RH

Ant.Polar.: Horizontal

No.	Frequency	Reading	Correct Factor	Near-Field Result	Derived Value	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV)	(dBuV/m)	(dB)	
1	0.52	16.58	19.70	36.28	-32.52	33.28	-65.81	PEAK
2	1.02	0.31	20.08	20.39	-42.56	27.43	-69.99	PEAK
3	1.54	4.31	19.95	24.26	-35.11	23.85	-58.96	PEAK
4	2.65	1.98	19.77	21.75	-32.91	29.54	-62.45	PEAK
5	19.17	1.67	21.34	23.01	-14.46	29.54	-44.00	PEAK
6	24.66	2.01	21.17	23.18	-12.12	29.54	-41.66	PEAK

Note: The level is measured at 1 meter and is converted into result at 300 or 30 meter.

The converted formula listed below:

Measure result (1 meter distance): a

Compute result (30 meter distance): A

d  $_{near\,field}$  = $\lambda/2\pi$  ,  $d_{measure}$  = 1 meter distance

A= a -  $40*log(d_{near field}/d_{measure})$  -  $20*log(d_{limit}/d_{near field})$ 

ex. a = 79.72 dBuV, A = 79.72 - 40\*log(93.53 /1 ) - 20\*log(30 /93.53 ) dBuV = 10.76 dBuV





Report No.: USRC23O348001 Issued Date: Apr. 01, 2024

Standard: FCC Part 15.209 Test Distance: 1 m

Test item: Power: AC 120 V/60 Hz

 $\label{eq:mode:topological} \mbox{Mode:} \qquad \mbox{Transmit Mode} \qquad \mbox{Temp.($^{\circ}$C)/Hum.($^{\circ}$RH):} \qquad 26($^{\circ}$C)/60 $^{\circ}$RH$ 

Ant.Polar.: Vertical

No.	Frequency	Reading	Correct Factor	Near-Field Result	Derived Value	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV)	(dBuV/m)	(dB)	
1	0.52	18.45	19.70	38.15	-30.65	33.28	-63.94	PEAK
2	1.02	0.15	20.08	20.23	-42.72	27.43	-70.15	PEAK
3	1.54	4.20	19.95	24.15	-35.22	23.85	-59.07	PEAK
4	2.56	2.65	19.78	22.43	-32.53	29.54	-62.07	PEAK
5	8.08	1.97	20.64	22.61	-22.36	29.54	-51.91	PEAK
6	28.83	3.51	20.65	24.16	-9.78	29.54	-39.33	PEAK

Note: The level is measured at 1 meter and is converted into result at 300 or 30 meter.



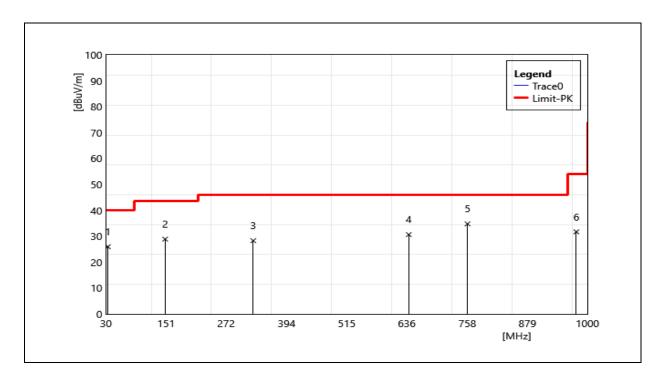
### 30 MHz ~ 1 GHz:

Standard: FCC Part 15.209 Test Distance: 3 m

Test item: Harmonic Power: AC 120 V/60 Hz

Mode: Transmit Mode Temp.(°C)/Hum.(%RH): 26(°C)/60 %RH

Ant.Polar.: Horizontal



Nie	Frequency	Reading	Correct Factor	Result	Limit	Margin	Damanis
No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Remark
1	33.88	39.18	-13.19	25.99	40.00	-14.01	QP
2	149.31	41.05	-12.13	28.92	43.50	-14.58	QP
3	326.82	39.15	-10.83	28.32	46.00	-17.68	QP
4	640.13	34.75	-4.09	30.66	46.00	-15.34	QP
5	758.47	37.10	-2.31	34.79	46.00	-11.21	QP
6	977.69	31.84	-0.11	31.73	54.00	-22.27	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

- 2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) Pre-Amplifier gain (dB).
- 3. When the peak results are less than average limit, so not need to evaluate the average.

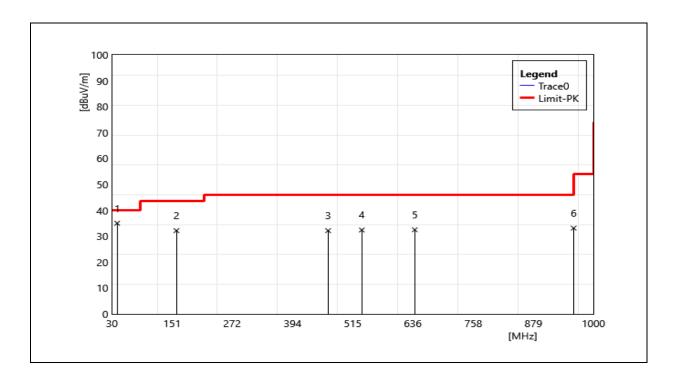


Standard: FCC Part 15.209 Test Distance: 3 m

Test item: Power: AC 120 V/60 Hz

 $\label{eq:mode:topological} \mbox{Mode:} \qquad \mbox{Transmit Mode} \qquad \mbox{Temp.($^{\circ}$C)/Hum.($^{\circ}$RH):} \qquad 26($^{\circ}$C)/60 $^{\circ}$RH$ 

Ant.Polar.: Vertical



No	Frequency	Reading	Correct Factor	Result	Limit	Margin	Remark
No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Remark
1	40.67	47.29	-12.25	35.04	40.00	-4.96	QP
2	159.98	44.48	-12.28	32.20	43.50	-11.30	QP
3	465.53	39.68	-7.48	32.21	46.00	-13.80	QP
4	533.43	38.95	-6.53	32.42	46.00	-13.58	QP
5	640.13	36.62	-4.09	32.53	46.00	-13.47	QP
6	960.23	32.97	0.20	33.17	54.00	-20.83	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

- 2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) Pre-Amplifier gain (dB).
- 3. When the peak results are less than average limit, so not need to evaluate the average.