

RF Exposure Report

Report No.: MFCDVB-WTW-P22100073

FCC ID: QYLEMR116V

Test Model: V110, V110G7, V110Y (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_ or blank for marketing purpose)

Received Date: Oct. 11, 2022

Test Date: Nov. 01 ~ Nov. 02, 2022

Issued Date: Jan. 31, 2023

Applicant: Getac Technology Corporation.

Address: 5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan

**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
MFCDVB-WTW-P22100073	Original release	Jan. 31, 2023

1 Certificate of Conformity

Product: Notebook

Brand: Getac

Test Model: V110, V110G7, V110Y (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_
or blank for marketing purpose)

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: Nov. 01 ~ Nov. 02, 2022

FCC Rule Part: FCC Part 2 (Section 2.1093)

Standards: KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** Jan. 31, 2023
Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** Jan. 31, 2023
Jeremy Lin / Project Engineer

2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[[max. power of channel, including tune-up tolerance, mW]/(min. test separation distance, mm)] $\cdot \sqrt{f(\text{GHz})}$
 ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
 - $f(\text{GHz})$ is the RF channel transmit frequency in GHz.
 - Power and distance are rounded to the nearest mW and mm before calculation.
 - The result is rounded to one decimal place for comparison. The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.
- 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
 - a) [Threshold at 50 mm in step 1) + (test separation distance - 50mm) \cdot (f(MHz)/150)] mW, at 100MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) \cdot 10] mW at > 1500 MHz and ≤ 6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
 - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances > 50 mm and < 200 mm.
 - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances ≤ 50 mm.
 - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

3 SAR Test Exclusion Thresholds

Maximum measured transmitter power:

Frequency (kHz)	Max. Field Strength (dBuV/m)@300m	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE)	1-g SAR test exclusion thresholds	Result
82	80.6	0.03443	5	0.03443	2422.81034	Pass

Note:

1. Calculate SAR test exclusion thresholds from condition "3" formulas.
2. Field Strength(dBuV/m)@3m = Field Strength(dBuV/m)@300m + 40* log(300/3)
3. Output power (dBm) = Field Strength (dBuV/m)@3m - 95.23, Output power (mW) = 10^{^(Max power (dBm)/10)}
4. The EUT contains certified WLAN/BT module (Brand: Getac / Model: AX211NGW, FCC ID: QYLAX211NG), and WWAN module (Brand: Getac / Model: LN920A12-WW, FCC ID: QYLLN920V), and RFID module (Brand: NXP / Model: PN-7462, FCC ID: QYLV110NXP).
5. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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