



RF EXPOSURE REPORT

FCC Applicant:	Wacom Co., Ltd. 2-510-1 Toyonodai, Kazo-shi, Saitama, 349-1148, Japan
Product Name:	Active Pen
Brand Name:	HP
Model No.:	G2022P
Report Number:	TESA2207000244ES
FCC ID	HV4-G2022P
Issue Date:	Sep. 26, 2022

John Teh

Approved By

John Yeh

We hereby certify that:

The above equipment was evaluate by SGS Taiwan Ltd. The evaluation in this report is in compliance with FCC Rule Part §2.1093.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and sample(s) aged for 90 days only.

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Unless otherwise stated, the results shown in this report are for the specified test conditions and are valid for 90 days only.
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1.1 Product Description

Product Name:	Active Pen
Brand Name:	HP
Model No.:	G2022P
Power Supply:	2Vdc

Test Lab:	SGS Taiwan Ltd. Central RF Lab
Report Number:	TERF2207001254ER

1.3.1 BLE

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
Chip	Unictron	H2U34C1H1B0100	2.4GHz	2.10

Note: Antenna information is provided by the applicant.

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2 RF EXPOSURE EVALUATION FOR PORTABLE CONDITIONS

2.1 SAR-based Exemption

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20\text{cm}}$ is per Formula (B.1).

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2.2 Measurement Result:

Mode	Frequency (MHz)	Distance (cm)	Max. tune-up power (dBm)	Max. tune-up power (mW)	Peak gain (dBi)	ERP (dBm)	ERP (mW)	x	ERP _{20cm} (mW)	P _{th} (mW)	P or ERP /P _{th}
BLE	2480	0.5	1	1.259	2.1	0.95	1.245	1.905	3060.00	2.72	0.463

~ End of Report ~

Unless otherwise stated, the results shown in this report apply to the sample(s) tested as sample(s) gained for 30 days or 60 days only.

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