

FCC RF EXPOSURE REPORT

For

PCSW6 Module

MODEL NUMBER: PCSW6

REPORT NUMBER: 4792341356-1-RF-3

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FCC: OU5PCSW6

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	September 3, 2026	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: GE Medical Systems Information Technologies, Inc.
Address: 3114 N Grandview Blvd Waukesha, WI 53188, USA

Manufacturer Information

Company Name: GE Medical Systems Information Technologies, Inc.
Address: 3114 N Grandview Blvd Waukesha, WI 53188, USA

EUT Information

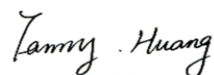
EUT Name: PCSW6 Module
Model: PCSW6
Brand:



Sample Received Date: August 4, 2026
Sample Status: Normal
Sample ID: 10023220
Date Tested: August 4, 2026 to September 3, 2026

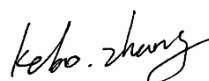
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
447498 D04 Interim General RF Exposure Guidance v01 FCC 47 CFR §2.1091	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR §1.1307, FCC 47 CFR §2.1091, and KDB 447498 D04 Interim General RF Exposure Guidance v01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

4. DESCRIPTION OF EUT

EUT Name		PCSW6 Module
Model		PCSW6
Product Description (2.4G WLAN)	Frequency Range:	2412 MHz to 2462 MHz
	Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA(1024QAM, 256QAM, 6-QAM, 16QAM, QPSK, BPSK)
	Radio Technology:	IEEE 802.11b/g/n HT20/ax HE20
	Data Rates:	IEEE 802.11b: Up to 11 Mbps IEEE 802.11g: Up to 54 Mbps IEEE 802.11n: Up to MCS7 IEEE 802.11ax: Up to MCS7
	Channel Spacing:	5 MHz
Product Description (5G RLAN)	Frequency Range:	5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5720 MHz 5745 MHz to 5825 MHz
	Type of Modulation:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK)IEEE 802.11ax: OFDMA(1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
	Radio Technology:	IEEE 802.11a/n HT20/ac VHT20/ax HE20
	Data Rates:	IEEE 802.11a: Up to 54 Mbps IEEE 802.11n: Up to MCS7 IEEE 802.11ac: Up to MCS9 IEEE 802.11ax: Up to MCS7
	Channel Spacing:	20 MHz
Normal Test Voltage:		DC 3.3 V

5. DESCRIPTION OF AVAILABLE ANTENNAS

Condition 1:

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	PCB Antenna	3.3
2	2412-2462	PCB Antenna	3.3

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	PCB antenna	4.3
2	5150-5850	PCB antenna	4.3

Condition 2:

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	PCB Antenna	2.82
2	2412-2462	PCB Antenna	2.82

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	PCB antenna	4.4
2	5150-5850	PCB antenna	4.4

6. REQUIREMENT

LIMIT AND CALCULATION METHOD

According to 447498 D04 Interim General RF Exposure Guidance v01:

2.1.2 1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A) – Option(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

2.1.3 SAR-Based Exemption

A more comprehensive exemption, considering a variable power threshold that depends on both the *separation distance* and power, is provided in § 1.1307(b)(3)(i)(B) – Option(B). This exemption is applicable to the frequency range between 300 MHz and 6 GHz, with *test separation distances* between 0.5 cm and 40 cm, and for all RF sources in fixed, mobile, and portable device exposure conditions.

Accordingly, a RF source is considered an *RF exempt device* if its available maximum time-averaged (matched conducted) power or its effective radiated power (ERP), whichever is greater, are below a specified threshold. This exemption threshold was derived based on general population 1-g SAR requirements and is detailed in Appendix C.

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

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

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).

2.1.4 MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C) – Option(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.¹⁰ For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

TABLE 1 TO § 1.1307(b)(3)(i)(C)—SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

R(m): the minimum separation distance from the body of a nearby person

CALCULATED RESULTS**For Single RF Source****ANT1**

Operating Mode	Max. Tune-up power (dBm)	Max. Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit Threshold- Option B (2.1.3) (mW)
WIFI2.4G	16	3.3	19.3	17.15	51.880	3060
WIFI5G	17	4.4	21.4	19.25	84.140	3060

ANT2

Operating Mode	Max. Tune-up power (dBm)	Max. Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit Threshold- Option B (2.1.3) (mW)
WIFI2.4G	14	3.3	17.3	15.15	32.734	3060
WIFI5G	17	4.4	21.4	19.25	84.140	3060

Note:

1. The calculated distance is 20 cm.
2. The power comes from operation description.
3. WLAN 2.4G & WLAN 5G can't transmit simultaneously (Declared by client).
4. $EIRP = \text{Max. Tune-up power} + \text{Max. Gain}$
 $ERP \text{ (dBm)} = EIRP - 2.15$
 $ERP \text{ (mW)} = 10^{(ERP \text{ (dBm)}/10)}$

END OF REPORT