

RF EXPOSURE REPORT

FCC ID: 2BKM7-K5

Report Reference No. : 24EFSS12025 11051

Date of issue : 2025-02-18

Applicant's name : Gibson, Inc.

Address : 209 10th Avenue South, Suite 460, Nashville, TN USA 37203

Manufacturer : Gibson, Inc.

Equipment : PROFESSIONAL MONITORING SYSTEM

Trade Mark :



Model : K5

Ratings : I/P: 100-240V~ 50/60Hz 75W MAX

Testing Laboratory : DongGuan ShuoXin Electronic Technology Co., Ltd.

Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China

According : KDB 447498 D04 Interim General RF Exposure Guidance v01

Test Engineer:

A handwritten signature in blue ink that reads 'Blue Qiu'.

Blue Qiu

Responsible Engineer :

A handwritten signature in blue ink that reads 'Leo Chen'.

Leo Chen

Authorized Signatory:

A handwritten signature in blue ink that reads 'Smile Wang'.

Smile Wang

MPE CALCULATION METHOD:

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

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

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). The example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

Antenna gain = 2.1dBi

MAX Output Power : 1.746dBm@2480MHz

ERP=1.746+2.1-2.15= 1.696dBm

WORSE CASE:

$10^{0.1696}=1.48\text{mW} < 3\text{mW}$

Then SAR evaluation is not required

END