RF EXPOSURE REPORT

FCC ID: X5B-052022

Report Reference No. ..... :	23EFSB12014 00161
Date of issue ..... :	2024-01-09
Applicant's name.....:	PERFORMANCE DESIGNED PRODUCTS, LLC
Address.....:	14144 Ventura Blvd, Suite 200 Sherman. Oaks CA 91423 United States Of America
Manufacturer.....:	PERFORMANCE DESIGNED PRODUCTS, LLC
Equipment.....:	AFTERGLOW WAVE DUAL CHARGER -PS5
Trade Mark.....:	/
Model .....:	052-022
Ratings.....:	I/P: 5Vdc O/P: 5Vdc up to 1000mA*1/500mA*2
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: Blue Qiu

Responsible Engineer : Smile Wang

Authorized Signatory: King Wang

MPE CALCULATION METHOD:

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

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

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 =2dBi

MAX Output Power：3.811dBm@2402MHz

ERP=3.811+2-2.15=3.661dBm

WORSE CASE:

10^0.3661=2.323mW <3mW

Then SAR evaluation is not required

END