



SAR Exclusion Report

FCC Rule Part : CFR §2.1093

Standards : IEEE Std 1528:2013
KDB 865664 D01 v01r04, KDB 865664 D02 v01r02,
KDB 447498 D01_v06_2015.10.23_General RF Exposure Guidance

Report No. : SFBCBS-WTW-P25070320

Applicant : Belkin International, Inc.

Address : 555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA

Product : Stage PowerGrip

Brand : belkin

Model No. : CTA006

FCC ID : K7SCTA006

Sample Received Date : 2025/7/16

Date of Evaluation : 2025/8/25

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, Taiwan

FCC Accredited No. : TW0003

CERTIFICATION: The above equipment have been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch – Lin Kou Laboratories**, 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 SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by TAF or any government agencies.

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1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported SAR _{1g} (W/kg)
DTS	Bluetooth	Not Required

Note:

1. The SAR limit (**Head & Body: SAR_{1g} 1.6 W/kg**) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

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2. Description of Equipment Under Test

EUT Type	Stage PowerGrip
Brand Name	belkin
Model Name	CTA006
FCC ID	K7SCTA006
Tx Frequency Bands	Bluetooth : 2402 ~ 2480MHz
Uplink Modulations	Bluetooth : GFSK
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 3.1 of this report
Antenna Type	PCB Antenna (Peak Antenna Gain : 5.62 dBi)
EUT Stage	Engineering Sample

Note: The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.

3. SAR Measurement Evaluation

3.1 Maximum Output Power

The maximum Tune up power (Unit: dBm) including tune-up tolerance is shown as below.

Bluetooth			
Mode	Channel	Frequency (MHz)	Max. Tune-up
BT LE-1M	0	2402	-2.50
	19	2440	-2.50
	39	2480	-2.50
BT LE-2M	0	2402	-2.50
	19	2440	-2.50
	39	2480	-2.50

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3.2 SAR Testing Exclusions

According to KDB 447498 D01_v06_2015.10.23_General RF Exposure Guidance, the SAR-based thresholds are derived based on the frequency, power, and separation distance of the RF source. The formula below is defined the thresholds in general for either available maximum time-averaged power or maximum time-averaged (ERP), whichever is greater. The SAR exclusion threshold is determined by the following formula.

1. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequency from 0.3 GHz to 6 GHz (inclusive).

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

Where

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

and

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

d = the separation distance (cm);

Mode	Frequency (MHz)	Max. Tune-up Power or ERP (dBm)	Max. Tune-up Power or ERP (mW)	Exclusion (mW)	Require SAR Testing?
BT LE	2480	0.97	1.25	2.72	No

Note:

1. When the device output power is less than the power threshold shown in above table, the SAR testing exclusion is applied.
2. The exclusion is multiplied by 2.5 for extremity limits.

Summary:

Since the SAR assess for all device orientations apply SAR test exclusion per KDB 447498, SAR testing for this device is not required.

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<Estimated SAR Calculation>

According to KDB 447498 D01_v06_2015.10.23_General RF Exposure Guidance, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR was estimated according to following formula to result in substantially conservative SAR values to determine simultaneous transmission SAR test exclusion.

$$SAR_{est} = 1.6 \cdot P_{ant} / P_{th} [W/kg].$$

Mode	Frequency (GHz)	Max. Tune-up Power (dBm)	Separation Distance (mm)	Estimated 1g SAR (W/kg)
BT LE	2480	0.97	5	0.74

Note:

- When standalone SAR testing is not required, an estimated SAR can be applied to determine simultaneous transmission SAR test exclusion.

<Simultaneous Multi-band Transmission Evaluation>

The simultaneous transmission possibilities for this device is listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	MAX. WPT + MAX. BT	Yes

Simultaneous Transmission SAR Evaluation (Body)			
Position	1	2	A (1+2)
	Max WPT	Max BT	Summing result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	
minimum distance to User Body	0.10	0.74	0.84

Note:

- Refer to FCC ID: K7SCTA006 for the WPT RF exposure testing Value.

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4. Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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