



BTLE RF EXPOSURE EVALUATION

Applicant Name:
28 Gorilla, LLC.
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United States

Date of Evaluation:
01/24/2021
Test Site/Location:
PCTEST. Morgan Hill, CA, USA
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FCC ID: 2AX2O-280010319

APPLICANT: 28 GORILLA, LLC.

Model: 28-0010038
EUT Type: AE Wireless Temperature Sensor
Application Type: Certification
FCC Rule Part(s): CFR §2.1093

BTLE Overview


BTLE Information		
Operating Frequency and Channels	Channels	Operating Frequency Range [MHz]
	0-39	2402-2480
Maximum Allowed Conducted Power declared by the Manufacturer		0.597 [mW]

RF Exposure Test Exclusion


Per FCC KDB 447498 D01v06, the 1g SAR exclusion threshold for distances <50mm is defined by the following equation:

$$\frac{(\text{Max Power Of Channel (mW)})}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

Based on the maximum allowed conducted power of Bluetooth LE declared by the manufacturer (rounded to the nearest mW) and the antenna to user separation distance, 1g SAR was not required; $[(1/5)*\sqrt{2.480}] = 0.315 < 3.0$.


Randy Ortanez
President



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