



## BTLE RF EXPOSURE EVALUATION

**Applicant Name:**  
28 Gorilla, LLC.  
12 S San Marco Pl  
Chandler, AZ 85255  
United States

**Date of Evaluation:**  
01/24/2021  
**Test Site/Location:**  
PCTEST, Morgan Hill, CA, USA  
**Document Serial No.:**  
1C2101120008-06.2AX2O

**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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|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C2101120008-06.2AX2O | <b>Evaluation Date:</b><br>01/24/2021                                                                                  | <b>EUT Type:</b><br>AE Wireless Temperature Sensor | Page 1 of 1                            |