

## CTC Laboratories, Inc.

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# **Maximum Permissible Exposure Evaluation**

FCC ID: 2AQ5R-UB01

According to KDB447498 D01 V06 Interim General RF Exposure Guidance.

### **EUT Specification**

Applicant:	Shenzhen KTC Commercial Display Technology Co.,LTD.			
Address:	No.4023,Northern Wuhe Road,Bantian Street, Longgang Dis-trict,Shenzhen City,Guangdong Province,P.R.			
Product Name:	Dongle			
Trade Mark:	Horion			
Model/Type Reference:	UB01			
Listed Model(s):	/			
Model Differences:	/			
Frequency Band (Operating)	BT: 2402MHz ~ 2480MHz			
Device Category				
Exposure Classification	☐Occupational/Controlled exposure (S=5mW/cm²) ☐General Population/Uncontrolled exposure (S=1mW/cm²)			
Antenna Diversity	Single antenna  ☐Multiple antennas  sity ☐TX diversity ☐RX diversity ☐TX/RX diversity			
Antenna Gain (Max)	-1.73dBi			
Evaluation Applied				



Report No.: CTC2024205803



#### Limit

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $\cdot [\sqrt{f_{(GHz)}}] \le$ 3.0 for 1-g SAR, and  $\leq$  7.5 for 10-g extremity SAR

#### Where:

- -f<sub>(GHz)</sub> is the RF channel transmit frequency in GHz
- -Power and distance are rounded to the nearest mW and mm before calculation
- -The result is rounded to one decimal place for comparison
- -The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

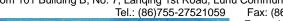
#### **Measurement Result**

Mode	Frequency (MHz)	Max. Measured Power(dBm)	Max. Tune up Power(dBm)	Result	Limit	Verdict
GFSK (BLE)	2480	5.34	6.50	1.4	3.0	Pass
GFSK (EDR)	2480	6.01	7.00	1.6	3.0	Pass

#### Note:

- 1. Calculate in the worst-case mode.
- 2. Max. Tune Up Power is declared by manufacturer, and used to calculate.
- 3. For a more detailed features description, please refer to the RF Test Report.

**************************THE	END***************



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