

## **RF EXPOSURE EVALUATION**

## **1. PRODUCT INFORMATION**

Product Description	Control Unit CU458-2
Model Name	A1320
FCC ID	O3YCU458-2

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05 The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

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

Where f(GHz) is the RF channel transmit frequency in GHz Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION BLE:

Pt=-3.690dBm=0.43mW

The value of the Maximum output power Pt is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(0.43mW /5mm) .[ $\sqrt{2.48}$ (GHz)]= 0.14<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

2.4G GFSK:

Pt=-0.649dBm=0.86mW

The value of the Maximum output power Pt is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(0.86mW /5mm) .[ $\sqrt{2.403(GHz)}$ ]= 0.27<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

Note: BLE and 2.4G GFSK don't work at the same time.

## 4. CONCLUSION

The SAR evaluation is not required.



 

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