

## RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	WiFi repeater with LAN port
Test Model	EP-2911S
Series Model	OT2911S
FCC ID	2AHRDEP-2911S

#### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(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  $\le 7.5$  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

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Pt=8.61dBm=7.26mW

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=(7.26mW/5mm).[ $\sqrt{2.412}(\text{GHz})$ ]=2.26<3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

# 4. CONCLUSION

The SAR evaluation is not required.

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