

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Remote Control Switch
Model Name	30019-308
FCC ID	2AVI830019-308

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 ≤ 50 mm are determined by:

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

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

$P_t = 69 \text{ dBuV/m (3m)} = \text{less than } 0.001 \text{ mW @ } 434 \text{ MHz}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.249

No: AGC01184191208FE03

4. CONCLUSION

The SAR evaluation is not required.