

US Tech Test Report:  
FCC ID:  
Test Report Number:  
Issue Date:  
Customer:  
Model:

FCC Part 15 Certification  
2AACLX100FW  
15-0220  
October 16, 2015  
Camera tech  
Xaver 100

---

## **MPE and SAR threshold requirements**

### **Highest Gain Antenna (900 MHz Zigbee) = 0 dBi**

Peak Power (dBm)= 18.5 (highest measured output power level)  
Gain of Transmit Antenna = 0 dBi  
Distance = 50 mm  
time based average= Duty Cycle = 4.2%

Total source based time average= (Pwr dBm) + (Ant gain dBi) \* time based average

$$18.5 \text{ dBm} + 0 \text{ dBi} = 18.5 \text{ dBm (70 mW)} * 0.042 = 2.94 \text{ mW}$$

which is << less than 158 mW for FCC @ 50 mm  
(limit from KDB 447498 D01 General 26 RF Exposure Guidance v05r01,  
Appendix A)