

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

FCC Part 15 Certification
2AACLXNETUSB
15-0222
October 19, 2015
Camera tech
XaverNET USB

MPE and SAR threshold requirements

According to 1.1307 (b)(1), systems operating under the provision of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

The maximum exposure level to the public from the RF power of the EUT shall not exceed the SAR Test Exclusion Threshold limits cited in Annex A of KDB 447498 D01 General RF Exposure Guidance v05r02. Since the EUT can be considered a dongle USB device, KDB 447498 D02 SAR Procedures for Dongle Xmtr v02 has also been considered. A test distance, d, of 5 mm from the EUT was applied.

Highest Gain Antenna (900 MHz Zigbee) = 0 dBi

Peak Power (dBm)= 18.2 (highest measured output power level)
Gain of Transmit Antenna = 0 dBi
Distance = 5 mm
time based average= Duty Cycle = 3.0%

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

$$18.2 \text{ dBm} + 0 \text{ dBi} = 18.2 \text{ dBm (60 mW)} * 0.03 = 1.8 \text{ mW}$$

which is << less than 16 mW for FCC @ 5 mm
(limit from KDB 447498 D01 General 26 RF Exposure Guidance v05r01, Appendix A)