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 dBm + 0 dBi = 18.5 dBm (70 mW) * 0.042 = 2.94 mW

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