

FCC RF Exposure Calculation

EUT Description: Bluetooth Keyboard
FCC ID: PVU-IMYSC21

Frequency: 2402-2480 MHz (79 channels)
Modulation: FHSS (GFSK)
Mid-Channel: 2.441 GHz (channel 39)
Mid-Channel Peak Power, Conducted: -9.50 dBm == 0.113 mW
Antenna Gain: G = 2.78 dBi

Calculation:

Limit = $60/2.441 = \underline{24.58 \text{ mW}}$

$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = -9.50 \text{ dBm} + 2.78 \text{ dBi} == -6.72 \text{ dBm} = 0.21 \underline{\text{mW}}$

Conclusion:

The emitted power appears to be (far) below the required limit, so PASS.