

FCC MPE Calculation

FCC ID: VF6KINYOBT138

Frequency: 2402-2480 MHz (79 channels)

Modulation: FHSS (GFSK, $\pi/4$ -DQPSK, 8DPSK)

Mid-Channel: 2.441 GHz (channel 39)

Mid-Channel Peak Power, Conducted: -4.02 dBm == 0.40 mW

Antenna Gain: G = 2.0 dBi

Calculation:

Limit = $60/2.441 = 24.58$ mW

Pradiated, max = $P_{\text{conducted}, \text{dBm}} + G_{\text{dBi}} = -4.02 \text{ dBm} + 2.0 \text{ dBi} == -2.02 \text{ dBm} = 0.63 \text{ mW}$

Conclusion:

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