

FCC MPE Calculation

FCC ID: VF6KINYOBT150

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: -1.27 dBm == 0.75 mW

Antenna Gain: G = 2.0 dBi

Calculation:

Limit = $60/2.441$ = 24.58 mW

Pradiated, max = Pconducted, dBm + GdBi = -1.27 dBm + 2.0 dBi == 0.73 dBm = 1.18 mW

Conclusion:

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