FCC MPE Calculation

FCC ID: WI212K834

Frequency: 2402-2480 MHz (79 channels) Modulation: FHSS (GFSK,π/4-DQPSK, 8DPSK)

Mid-Channel: 2.441 GHz (channel 39)

Mid-Channel Peak Power, Conducted: 1.09 dBm == 1.29 mW

Antenna Gain: G = 0 dBi

Calculation:

Limit = 60/2.441 = 24.58 mW

 $P_{radiated, max} = P_{conducted, dBm} + G_{dBi} = 1.09 dBm + 0 dBi == 5.09 dBm = 1.09 mW$

Conclusion:

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

Note 1: f shall be the mid-band frequency expressed in GHz; the limit calculated with this mid-band frequency applies to all channels. For PTT with body-worn or face-held modes, d is the distance from the device case to a parson's body; for modules with antennas inside laptops, d is the distance from the antenna to the person's body.

Note 2: Average Power levels are always equal or below the measured Peak Power levels, which means that calculating the EIRP using the Peak power can be considered as worst case.)