

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**

Test standard : FCC 47 CFR Part 2: Subpart J Section 2.1091
RSS-102 Issue 5

Separation distance is more than 20 cm, thus mobile device exposure limits can be applied.

Note: 2.4G Wi-Fi cannot be transmitting at same time with 5G Wi-Fi.

Maximum Exposure (Worst Case):

Power to Antenna (mW)	49.7 mW
Power to Antenna (dBm)	17.0 dBm
Antenna Gain	2.41 dBi
Power+Ant Gain	86.6 mW
Distance	20 cm
S=	0.017 mW/cm ²

Limit FCC:

0.3-1.34 MHz (100) mW/cm²
1.34-30 MHz (180/f²) mW/cm²
30-300 MHz 0.2 mW/cm²
300-1500 MHz f/1500 mW/cm²
1500-100,000 MHz 1.0 mW/cm²

Limit Canada: 0.543 mW/cm²

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