

August 27, 2018

Nemko Canada

Attention: Certification

FCC ID: 2AQRU-0018

IC ID: 24159-0018

SAR Exemption Letter

SAR exemption calculation from KDB 447498 D01 Clause 4.3.1

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

eSmart – FLX One

Transmitter output power in dB μ V/m = 81.75dB μ V/m at 2402MHz at 3m

Transmitter output power in mW = 0.045 mW (-13.48 dBm)

Minimum distance, mm = 5mm

Worst case frequency (GHz) = 2.402 GHz

$$[(0.45)/5] * \sqrt{2.402} = 0.14 \leq 3$$

The FLX One complies with the exemptions limits for routine evaluation based on frequency and separation distance.



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