



China

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Report Number: 708881852206A

Model No.: I79M0

Radiofrequency radiation exposure evaluation

RF Exposure Compliance Requirement

According to ANSI C63.10:2013 clause12.7.3 d):

$$\text{EIRP} = (E \times d)^2 / 30$$

EIRP is power in W

E is the electric field strength in V/m

d is the measurement distance in meters (m)

when d is 3m, EIRP[dBm] = E[dB μ V/m] – 95.2

maximum field strength of 125KHz is 55.11dB μ V/m at 3m,

$$\text{EIRP[dBm]} = 89.5[\text{dB}\mu\text{V/m}] - 95.2 = -5.7\text{dBm}$$

$$\text{EIRP} = 0.26915\text{mW}$$

SAR exclusion justification in accordance to KDB 447498 D01 Section 4.3.1:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

$$[(0.26915, \text{mW}) / (5, \text{mm})] \cdot [\sqrt{0.000125 (\text{GHz})}] \leq 3.0$$

$$0.0001 \leq 3.0$$

Therefore the device meets the FCC SAR exemption requirements