

Environmental evaluation and exposure limit according to FCC CFR 47part 1, §1.1307, §1.1310 and ANSI/IEEE C95.1-1992

This calculation was done basis on the test performed by Hermon Laboratories.

The SCiO-Mini 2.0 is device that classified as portable, included 1 transmitter operating according to FCC part 15 section 15.247 in frequency range 2402 – 2480 MHz.

Maximum declare transmitter power obtained from the Test Report: QT-VEREMC_FCC.15. 247.54896_TR

P _{out} EIRP		Maximum antenna gain, dBi	P _{out} conducted	
dBm	mW		dBm	mW
-3.57	0.44	3.77	-7.34	0.18

According to KDB 447498 D01 v05r02 section 4.3.1 the exemption limit for 100 MHz to 6 GHz at ≤ 50 mm distance is determined as follow:

$$[(\text{max. power including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g whole body SAR}$$

The minimum separation distance that insure by device structure is:

$$0.44 \times (\sqrt{2.48}) / 3 = 0.23\text{mm}$$