

RF exposure evaluation according to FCC CFR 47 part 15,
§15.247(e)(i)

The EUT, handheld terminal of a wireless aircraft weighing system, is a portable device of an occupational exposure category operating in 2424 - 2456 MHz.

The transmitter power is below the low threshold for this category of device:

Tunable range, GHz		375/f SAR limitation, mW
Flow	Fhigh	
2.424	2.456	152.7

Maximum measured transmitter power:

Pout conducted, mW	Maximum antenna gain, dBi	Pout EIRP, mW
58	2	92

Threshold for no SAR evaluation is 152.7 mW, maximum measured Tx power is 58 mW – conducted and 92 mW- EIRP.

Conclusion: No SAR evaluation is required since the maximum transmitter output power, both conducted and radiated, is below the low threshold for occupational exposure category. The handheld terminal is restricted to occupational/controlled use only, not for general population or consumers. The trained personnel has to be aware of RF exposure and its control. The Users Manual for operating requirements is provided.