

## RF exposure evaluation: Portable equipment / RSS-102 2.5.1

Date 10/29/2012	Temperature 22 °C ± 3 °C	Humidity 45 % ± 5 %
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### Procedure

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limits. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1093 this device has been defined as a portable device that is designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

### Results

Portable transmitters shall fulfill the SAR requirements of 2.1093 if not excluded due to low output power.

ERP Peak output power (dBm)	Peak output power (mW)
5.5	3.548

### Limits

According to FCC KDB 447498, D01 Mobile Portable RF exposure V04:

A device may be used in portable exposure conditions with no restrictions on host platforms when the source-based time-averaged output power is  $\leq 60/f_{\text{(GHz)}} \text{ mW}$

According to RSS-102 2.5.1, SAR evaluation is required if the separation distance between the user and the radiating element of the device is less than or equal to 20 cm, except when the device operates as follows:

- From 3 kHz up to 1 GHz inclusively, and with output power (i.e. the higher of the conducted or equivalent isotropically radiated power (e.i.r.p) source-base, time-averaged output power) that is less than or equal to 200 mW for general use and 1000 mW for controlled use.

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

Complies?	Yes
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