

Standard Applicable

According to RSS 102 issue 4 §2.5.2 RF Exposure Evaluation

RF exposure evaluation is required if the separation distance between the user and the device's radiating element is greater than 20 cm, except when the device operates as follows:
below 1.5 GHz and the maximum e.i.r.p. of the device is equal to or less than 2.5 W;
at or above 1.5 GHz and the maximum e.i.r.p. of the device is equal to or less than 5 W.

This is a Mobile device, at which separation distance between the user and the device's antenna is 20cm. Therefore, section 2.5.2 shall be complied with.

RF Evaluation

802.11b

Maximum Peak output power at antenna input terminal:	19.62	(dBm)
Maximum Peak output power at antenna input terminal:	91.62204901	(mW)
Antenna gain (typical):	2	(dBi)
Maximum antenna gain:	1.584893192	(numeric)

Evaluation Result

The radiated power is $19.62 + 2 = 21.62$ dBm(EIRP) = 145.211mW = 0.145211W
that is less than or equal to 5W. Hence, following section 2.5.2 of RSS102 issue 4,
RF exposure evaluation is no longer required.

RF Evaluation

802.11g /n (20MHz)

Maximum Peak output power at antenna input terminal:	21.9	(dBm)
Maximum Peak output power at antenna input terminal:	154.8816619	(mW)
Antenna gain (typical):	2	(dBi)
Maximum antenna gain:	1.584893192	(numeric)

Evaluation Result

The radiated power is $21.9 + 2 = 23.9$ dBm(EIRP) = 245.471mW = 0.245471W
that is less than or equal to 5W. Hence, following section 2.5.2 of RSS102 issue 4,
RF exposure evaluation is no longer required.