

14 June 2011

RF exposure calculation for FCC ID:RWBMT9100CTM, IC ID:115A-MT9100CTM

RF Exposure Calculations:

This device meets the output power threshold in KDB 447498 of $60/f(\text{GHz})$ in which case no SAR or RF exposure evaluation is required.

RF Power Measurement

The RF power measurement was taken from NCEE test report R060311-40.

Frequency (MHz)	Output Power dBm	Output Power mW
916.48MHz	6.88	4.87

Power Limit = $60/f$ (mW)	65.468
Frequency (f) (GHz)	0.916
Maximum peak output power (mW) ₁	18.160

Notes:

1. Output power was measured in peak output power. Because it can be assumed that the time-averaged output power as specified in KDB 447498 will be less than a peak output power, compliance with the limit can be presumed.

References:

1. FCC OET Bulletin 65, Edition 97-01
2. FCC Supplement C to OET Bulletin 65, edition 01-01
3. IEEE C95.1, 1999
4. KDB 447498