

IC Certification:

5074A-ADB10S2KN

BT Tune-Up Procedure

BT power is not tuned in the Factory, or anywhere else. Maximum power output is a function of the maximum output of the BT device employed, and the losses in the RF path. Therefore, only the upper limit of the power is shown.

Operating Band	Upper Limit (dBm)
BT 2.4 GHz	4

1. Limit

According to RSS-102, Issue 5 Section 2.5.2 Exemption Limits for Routine Evaluation –RF Exposure Evaluation.

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;

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.

2. Result

2.1. BT

- Maximum tune up tolerance

Channel	Channel Frequency (MHz)	Output Average Power to Antenna (dBm)	Antenna Gain (dBi)	E.I.R.P. (dBm)	E.I.R.P. (W)	Limits (W)
0	2 402	4	-0.10	3.90	0.002 455	2.68