

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 |