



Date: 04/16/25

Antenna Gain Declaration

To whom it may concern,

I, the undersigned hereby declare the antenna gain of the SLB1.1 is as below:

RF Function	Antenna Gain (dbi)	Antenna Type
BLE 2402-2480 MHz	4.2dBi	PCB Antenna

I would also like to provide justification for not having a report which is due to the complexity of adding a RF connector/ability to solder a pigtal to the flexible Aluminum on PET substrate. The substrate will not support an RF connector due to the thinness of the PET material. Nor can a technician add solder to attach RF pigtal to the transmission line. The heat will melt the PET substrate. Also, only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions, therefore an antenna gain report (AUT report) is not required per October 2022 TCB Workshop.

Due to these limitations, I ask that we be allowed to declare the Antenna Gain.

Sincerely,

Signature:

Gary Leung
VP of HW Engineering