

**Applicant: Cogent Systems Inc.**  
**FCC ID: TLDCS0907A**

## **Operation Description**

BTM V5.0 bluetooth module integrated BC4171B43A06 CSP ROM single chip from CSR corporation. It is single\_ chip radio and baseband IC for Bluetooth 2.4G systems including EDR 3M bits/s.

With the on\_chip CSR Bluetooth software stack, it provides a fully compliant Bluetooth system to V2.0+EDR of the specification for data and voice communication.

The device incorporates auto\_calibration and built\_in self-test(BIST) routines to simplify development, type approval and production test, All hardware and device firmware is fully compliant with the Bluetooth V2.0+EDR Specification. To improve the performance of both Bluetooth and 802.11b/g co-located systems a wide range of co-existence features are available including a variety of hardware signaling, basic activity signaling and intel WCS activity and channel signaling.

The transmitter utilizes SMD chip antenna. Common grounding on PCB is not connected to real external ground. Power supply of the whole circuit comes from a 3.3 volt.