



2828 SW Corbett Avenue, Suite 135
Portland, OR 97201

FRN: 0025398454

February 21, 2019

Dear Application Examiner:

Element Materials Technology is submitting this application for original Equipment Authorization Certification for the V1 Opal, FCC ID: 2AHZD-OPAL-V1.

The Opal movement monitor uses a 2.4 GHz DTS radio utilizing a GFSK 2Mbps mesh radio network between wearable Opal movement monitors, and between monitors and Opal "Access Points" (APs) which connect the Opal network to USB hosts. The radio within the device operates within the 2.4 GHz radio band with an 802.15.4 compliant antenna. The device can be configured with only one antenna which is permanently installed at the factory and is not accessible to the user. The Opal system's main microcontroller controls the output power of the radio through a digital interface and is never allowed to transmit above 0dBm.

The enclosed technical reports and exhibits demonstrate compliance with FCC rules 47 CFR part 15.247 and RF Exposure requirements.

Your efforts in reviewing this application are greatly appreciated.

Regards,

A handwritten signature in black ink that reads 'Brent Casady'. The signature is fluid and cursive, with the first and last names being clearly legible.

Brent Casady
Executive Vice President of Operations