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FCC COVER LETTER

13th July 2022

Element Materials Technology.
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RE: FCC Cover Letter
FCC ID: 2A3CVA

To Whom It May Concern:

Please be advised that we are applying for certification of an end device which contains the following radios

Wi-Fi (no previous FCC certification)
Bluetooth Classic and Bluetooth Low Energy (previously certified module under FCC ID 2A3CV-BT)
Cellular (previously certified module under FCC ID 2A3CV-CL. Note that this FCC approval was obtained through an FCC change in ID from module (XPY1EIQ24NN)

Note that we are applying for end device approval as the device is body worn, contains multiple radios, and measures roughly 10cm X 6cm.

We have completed full testing on the Wi-Fi radio. We have carried out radiated spurious emissions testing on the Bluetooth and cellular radios and intend to re-use data from the previous certifications (FCC ID 2A3CV-BT & FCC ID 2A3CV-CL) in order to support the certification of our end device, under FCC ID 2A3CVA.

The cellular radio in the device uses the following bands:

Radio:	LTE			
Band(s) of operation:	2	4	5	12
Frequencies of operation:	1880 MHz	1732.4 MHz	836.5 MHz	707.5 MHz
Modulation type(s):	OFDM	OFDM	OFDM	OFDM
Channel bandwidth(s):	10 MHz	10 MHz	10 MHz	10 MHz
Nominal Supply Voltage:	3.7 Vdc	3.7 Vdc	3.7 Vdc	3.7 Vdc

We are using radiated spurious emissions test & direct connect data for the bands mentioned in this document, the test data is specified in test report MDE_UBLOX_1601_FCCa. We understand that our device is limited to using the cellular bands specified in this letter and any use of further bands would need additional assessment by way of testing and certification.

Thank you for your attention to this matter.

Yours faithfully,

Inova Design Solutions Ltd



Leon Marsh
CEO