FCC Part 1 Subpart I
FCC Part 2 Subpart J

RF EXPOSURE REPORT

FOR

Data Collector with BLE

MODEL NUMBER: 109M2380, 109M2390

FCC ID: Contains: XPYNINAB31

REPORT NUMBER: 14233306-S1V1

ISSUE DATE: 7/20/2022

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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	7/20/2022	Original issue	

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: BENTLY NEVADA LLC
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DUT DESCRIPTION: Data Collector with BLE

MODEL: 109M2380, 109M2390

SERIAL NUMBER: N/A

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 1 SUBPART I & PART 2 SUBPART J	Pass
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Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released For
UL Verification Services Inc. By:

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2. TEST METHODOLOGY

All calculations were made in accordance with FCC KDB 447498 D01 v06

3. REFERENCES

Output power is excerpted from the applicable test reports or client declarations.

4. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA

UL Verification Services Inc. is accredited by A2LA, Laboratory Code 0751.05.

5. DEVICE UNDER TEST

5.1. Description

The Data Collector with BLE is a body worn device. The antenna to user separation distance was assumed to be 0 mm as this is the most conservative condition.

There are two models that contain a BLE module FCC ID XPYNINAB31.

5.2. Wireless Technologies and Output Power

Wireless technologies	Frequency bands	Maximum Output Power
Bluetooth LE	2.4 GHz	8 dBm (6.3mW)

6. FCC – STANDALONE SAR TEST EXCLUSION CONSIDERATIONS

The DUT is a handheld device, therefore the device was assessed against the 10g SAR limits.
From KDB 447498, for transmission frequencies 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [$\sqrt{f_{(GHz)}}$] ≤ 7.5 where:

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz;
- Power and distance are rounded to the nearest mW and mm before calculation;
- For a separation distance of less than 5mm, 5mm is used.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The result is rounded to one decimal place for comparison with the 7.5 threshold.

The table below shows that at the maximum power and with a separation distance of 5mm or less, SAR test exclusion applies.

RF Air interface	RF Exposure Conditions	Frequency (GHz)	Maximum Power		Min. test separation distance (mm)	SAR test exclusion Result*
			(dBm)	(mW)		
BLE	Body	2.480	8.00	6.30	5	1.9

Conclusion:

*: The computed value is ≤ 3; therefore, the DUT qualifies for Standalone SAR test exclusion.

END OF REPORT