

Appendix for the SAR Test Report

Dosimetric Assessment of the Portable Device Datalogic Joya X2 PLUS

(FCC ID: U4GJX2WB / IC: 3862E-JX2WB)

According to the FCC Requirements

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The test results only relate to the items tested.
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Compliance Statement

The Datalogic Joya X2 PLUS handheld is in compliance with the following standards for uncontrolled exposure:

- 47 CFR § 2.1093 [47CFR],
- IEEE Std. C95.1 - 1999 [C95.1-1999],
- The latest version of all relevant FCC OET KDB Procedures

SAR assessment in body worn configuration was conducted with a closest distance of 0 mm between the housing of the device and the flat phantom.

According to manufacturer information the assessed Datalogic Joya X2 PLUS (FCC: U4GJX2WB / IC: 3862E-JX2WB) is technical identical with the Joya X2 (FCC: U4GJX2W / IC: 3862E-JX2W) except of the integrated Bluetooth module.

Both device variants use identical motherboards but in case of Datalogic Joya X2 PLUS the components related to Bluetooth are assembled and in case of Joya X2 not. Accordingly the Datalogic Joya X2 PLUS was selected as worst case hardware configuration. Since the output power for Bluetooth module is below the threshold, SAR assessment for Bluetooth is not applicable. Therefore, it is deemed that the Joya X2 is also in compliance with the above mentioned measurements standards.

Subject of Investigation



Fig. 1: Pictures of the device under test.

The maximum result of SAR for the Joya X2 PLUS is as follows:

WORST CASE SAR RESULTS								
Frequency [MHz]		CH	Phantom Config.	Fig No.	Measured SAR _{1g} [W/kg]	Reported SAR _{1g} [W/kg]	SAR Limit [W/kg]	
IEEE 802.11 b	2462	11	Pos. 4	1	0.714	0.748	1.6	PASS

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7.9 Pictures of the Device under Test

Figure 7 shows the device under test.



Fig. 7: Device under test Datalogic Joya X2 PLUS.

7.10 Test Positions for the Device under Test

Fig. 8 – 11 show the test positions for the SAR measurements.



Fig. 8: Body worn configuration, position 1, front side towards the phantom.



Fig. 9: Body worn configuration, position 2, back side towards the phantom.



Fig. 10: Body worn configuration, position 3, left side towards the phantom.



Fig. 11: Body worn configuration, position 4, right side towards the phantom.