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RF exposure analysis for the equipment IOL90 (FCC ID: ZLGFS)

1. Introduction

The device IOL90 (FCC ID: ZLGFS) is a fitness monitor designed to be wrist held and so that to be in portable exposure conditions.

2. SAR limits

According to § 2.1093 (d) (2) the limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue for extremities, such as hands, wrists, feet, ankles, and pinnae.

3. Compliance criteria:

3.1. Standalone compliance criteria.

Individual transmitters are deemed to comply with § 2.1093 requirements if the output power of the transmitter meets the conditions specified in section 4.3.1 (Standalone SAR test exclusion) considerations of the document "KDB 447498 D01 General RF Exposure Guidance v05r02".

4. Compliance calculations:

4.1. Standalone transmission

Mode	Sub-mode	Frequency	Average output power (dBm)	Average output power (mW)	Evaluation distance per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 (mm)	SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 - 1) (mW)	SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 - 1)
BLE	BLE	2402	3,82	2,41	5	24	COMPLIANT
		2440	3,94	2,48	5	24	COMPLIANT
		2480	3,79	2,39	5	24	COMPLIANT

Sincerely,

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