

RF exposure analysis for the equipment 2INPOWER (FCC ID: R3AROT115)

1. Introduction

The device **2INPOWER** (FCC ID: **R3AROT115**) is designed to be used in portable exposure conditions. It contains a multi-mode 2.4GHz radio which operates in either Bluetooth Low Energy mode (2402-2480 MHz frequency band) or ANT+ mode (2457 MHz). Exposure area are legs, so equipment is subject to Extremity SAR limits.

2. Mesured Output power

Worst case output power transmitter:

- ANT+ transmitter: 0.02 dBm (1.047 mW) Conducted / -3.95 dBm (0.403 mW) eirp
- BLE transmitter: 0.02 dBm (1.047 mW) Conducted / -3.95 dBm (0.403 mW) eirp

3. Compliance criteria:

Transmitter is deeded to comply with FCC § 2.1093 requirements as the output power of the device meets the conditions specified in section 4.3.1 (SAR test exclusion) considerations of the document "KDB 447498 D01 General RF Exposure Guidance v06".

4. Standalone operation analysis:

Mode	Frequency (GHz)	Peak output power (dBm)	Peak output power (mW)	Evalutation distance per KDB 447498 D01 General RF Exposure Guidance v06 - 4.3.1 (mm)	[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [vf{GHz}]		SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v06 - 4.3.1 - 1)
BLE	2,402	0,02	1,0046	5	0,3113985	≤ 3	COMPLIANT
	2,440	-0,20	0,9550	5	0,2983492	≤ 3	COMPLIANT
	2,480	-0,71	0,8492	5	0,2674581	≤ 3	COMPLIANT
ANT+	2,457	-0,35	0,9226	5	0,2892228	≤ 3	COMPLIANT

Under all conditions the equipment complies with the FCC Standalone SAR exclusion limits.

Signed on behalf of **ROTOR COMPONENTES TECNOLOGICOS SL**, on 16 May 2016:

P.A.



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