

FCC SAR Exemption per KDB 447498

KDB 447498 D01 General RF Exposure Guidance v06 (October 23, 2015)

1. Declaration of RF exposure compliance for exemption from routine evaluation limits

FCC ID:	2AGUHINCAP
Model number:	InCap-100BA
Manufacturer:	Companion Medical Inc.
4.3.1. Standalone SAR test exclusion considerations:	During normal operation, user extremities can come within 20 cm of the internal antenna and therefore product is considered as "Portable". The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at Test separation distances ≤ 50 mm are determined by: $[(\text{max. power of channel, including tune-up tolerance, mW}) \div (\text{min. test separation distance, mm})] \times [\sqrt{F(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR, where}$ - F(GHz) is the RF channel transmit frequency in GHz - Power and distance are rounded to the nearest mW and mm before calculation - The result is rounded to one decimal place for comparison 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 according to section 4.1(f) is applied to determine SAR test exclusion Calculation based on the above formula: Separation Distance = 5 mm Conducted Output Power = -9.196 dBm = 0.120 mW (From Report D10429R1) Radiated Power (Assuming a worst-case antenna gain of 6dBi) = -3.196dBm = 0.48mW Frequency = 2.402 GHz Calculation = $(0.48 \div 5) \times \sqrt{2.402} = 0.149 < 3$ The calculation is below the threshold, therefore the product exempt from the SAR test requirements

2. Attestation

ATTESTATION: I attest that the test report (#D10429R1 from Compatible Electronics) was reviewed by me and power data presented in this RF assessment was extracted from report D10429R1.

Signature:	
Date:	May 12, 2021
Name:	Juan Gonzalez