



## ***RF Exposure Evaluation Report***

***For Check-Cap Ltd.***

***Equipment Under Test:***

***C-Scan track transceiver***

***Model: SUB-108167-00***

***From The Standards Institution  
Of Israel  
Industry Division  
Electronics & Telematics Laboratory  
EMC Branch***



***Certificate Number: AT-1359***



## 1. Applicant information

Applicant:	Check-Cap Ltd.
Address:	Aba Hushi 29 Ave., POB 1271, Isfiya, Israel
Sample for test selected by:	The customer
The date of tests:	17 September 2020

## Equipment under test information

<b>Description of Equipment Under Test (EUT):</b>	C-Scan track transceiver.
<b>Model:</b>	SUB-108167-00
<b>Software version of radio unit:</b>	5.0.4
<b>Hardware version:</b>	PCBA-108018-00; PCBA-108019-00
<b>Manufactured by:</b>	Check-Cap Ltd.

## 2. Test performance

<b>Location:</b>	SII EMC Section
<b>Purpose of test:</b>	To prove the safety of radiation harmfulness to the human body for our product
<b>Test specifications:</b>	FCC KDB 447498 D01 General RF Exposure Guidance v06

This Test Report contains 3 pages and may be used only in full.	This Test Report applies only to the specimen tested and may not be applied to other specimens of the same product.
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## 3. Summary of test:

Using the general SAR test exclusion guidance in Section 4.3.1 of KDB 447498 D01 v06, we show the device meeting the SAR exemption.

Electronics and  
Telematics Laboratory

October 2020

Name: Eng. Yuri Rozenberg  
Position: Head of EMC Branch.

Name: Michael Feldman.  
Position: Test engineer.



#### 4. FCC and ISEDC Exemption Limits for Routine Evaluation

##### FCC SAR test exclusions per KDB 447498

KDB 447498 D01 General RF Exposure Guidance v06 Section: 4.3.1.

Standalone SAR test exclusion considerations states:

For 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR,} \right]$$

where

- $f(\text{GHz})$  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 values 3.0 and 7.5 are referred to as numeric thresholds.

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 4.1 f) is applied to determine SAR test exclusion.

##### SAR Exclusion Calculation Results

Freq. [GHz]	d [mm]	Max. power [mW]	Calculation result	Exclusion threshold	SAR Exclusion applicable (Yes/No)
0.4335	5	2.2	0.29	3.0	Yes

SAR test exclusion threshold is  $< 3$  for separation distance of 5 mm. Therefore, SAR test is not required.