

SAR Test exemption documentation according to CFR 47 §1.1307

Report identification number: 1-3692/21-02-05 Exemption (FCC)

contains the module with the following certification numbers	
FCC ID	2AJRSIRTTCP

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorised:



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EUT technologies:

Technology	Conducted	Antenna gain	E.I.R.P.	Declared E.I.R.P.	References
915 MHz Proprietary	-0.3 dBm	1.4 dBi	93.5 dBuV/m@3m = -1.7 dBm	-1.7 dBm	A + C
UWB 6.2 to 6.8 GHz	-45.0 dBm/MHz = 0.0316 µW OP over complete BW: 0.0316 µW x 714.5 MHz = 22.6 µW = - 16.5 dBm	1.5 dBi	-43.0 dBm/MHz = 0.05 µW OP over complete BW: 0.05 µW x 714.5 MHz = 35.7 µW	-41.3 dBm/MHz = 0.07413 µW OP over complete BW: 0.07413 µW x 714.5 MHz = 53.0 µW = - 12.8 dBm	B + D

NOTE: Highest values are marked in bold

Details and origins of the measurements shown in the table above:

#	Results from:	Additional information
A	1-3692/21-02-03-A CTC Advanced GmbH	--
B	1-3692/21-02-02 CTC Advanced GmbH	--
C	Antenna datasheet 915 MHz ABRACON	--
D	Antenna datasheet UWB JOHANSON	--

Declared minimum safety distance: 0 cm**Blanket test exemption according CFR 47 §1.1307:**

§1.1307(b)(3)(i)(A) – A single RF source is exempt if the available maximum time-averaged power is **no more than 1 mW**, regardless of separation distance.
(Applicable from 100 kHz to 100 GHz)

Collocation:Overview:

Technology , [MHz]	915 MHz proprietary	WB , 6200
Limit [mW]:	1	1
Result worst case [mW]:	0.93	0.0000525
Limit-Exhaustion	0.93	0.000053

Collocation-Scenario:

Scenario 1:

ALL Active = 93.0053 % of Limit

This prediction demonstrates the following:

The power density levels for FCC that are larger than the minimum safety-distances stated above, are below the maximum levels allowed by regulations.