

## SAR Test exclusion documentation according to FCC KDB 447498 and RSS-102

**Report identification number: 1-4814/17-01-08**

Certification numbers and labeling requirements	
FCC ID	2ACAH-RTBNL4
IC number	11936A-RTBNL4
HVIN (Hardware Version Identification Number)	SBO Range Tester NL 4
PMN (Product Marketing Name)	SBO Range Tester NL 4
FVIN (Firmware Version Identification Number)	v0.2
HMN (Host Marketing Name)	-/-

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

**Document authorized:**

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**EUT technologies:**

Technologies:	Max. power: (AVG)	Max. gain:
3.84 Mhz radio module )*	---	Fieldstrength 54.6 dBµV/m @ 1 m

)\* exempted from routine evaluation for FCC.

For RSS-102 see additional test report for nerve stimulation in the frequency range 3 kHz – 10 MHz

**SAR test exclusion according to KDB447498 (General RF Exposure Guidance)**

Equations from Chapter 4.3.1: Standalone SAR test exclusion considerations page 11 and ff. and tables in Annex C

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

f in [MHz]	d <sub>separation</sub> [mm]	Powerlimit [mW]	P <sub>max-declared</sub> [mW]	Exclusion
0.1	< 50	948.00	< 1 mW	yes

**SAR test exclusion according to RSS-102 Issue 5 Section 2.5.1/Table 1**

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

f in [MHz]	d <sub>separation</sub> [mm]	tissue volume	Powerlimit [mW]	P <sub>max-declared</sub> [mW]	Exclusion
< 300	5	1 g	71.00	< 1 mW	yes