

SAR Test exclusion documentation according to FCC KDB 447498, RSS-102 and EN 62479

Report identification number: 1-7883/18-01-45

| Certification numbers and labeling requirements | |
|---|-----------|
| FCC ID | IYZLK1 |
| IC number | 2701A-LK1 |
| HVIN (Hardware Version Identification Number) | H10 |
| PMN (Product Marketing Name) | LK1 |
| FVIN (Firmware Version Identification Number) | -/- |
| 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. EIRP (AVG): |
|----------------------|----------------------|--|
| 434 MHz radio module | --- | Fieldstrength: 70.7 dB μ V/m @ 3 m = - 24.7 dBm = 0.0034 mW |

Applied worst case averaged field strength see CTC advanced GmbH test report 1-7883/19-01-04 section 10.4.

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 _{separation} [mm] | Powerlimit [mW] | P _{max-declared} [mW] | Exclusion |
|------------|------------------------------|-----------------|--------------------------------|-----------|
| 434.0 | 5 | 22.00 | < 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 _{separation} [mm] | tissue volume | Powerlimit [mW] | P _{max-declared} [mW] | Exclusion |
|------------|------------------------------|---------------|-----------------|--------------------------------|-----------|
| 434.00 | 5 | 1 g | 52.00 | < 1 mW | yes |

SAR test exclusion according to EN 62479

Compliance is given according to EN 62479 because the output power of the DUT is smaller than 20 mW.