

Prüfbericht - Nr.:

02422680 001

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Test Report No.

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Radio Frequency Human Exposure Evaluation:

The highest RF output power of the EUT at 125 kHz was measured -14.74 dBm which is less than 20mW.

Since maximum peak output power of the transmitter is $<60/f$ (GHz) mW, i.e. $0.027\text{mW} < 60/0.000125$ mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

Maximum Output power of the RFID Transmitter:

$$P = (E \times d)^2 / (30 \times G)$$

Where: E = the measured maximum field strength in V/m = 0.010567

G = the numeric gain of the transmitting antenna over an isotropic radiator = 1

d = the distance in meters from which the field strength was measured = 3

P = the power in watts

$$P = (0.01 \times 3)^2 / (30 \times 1) \\ = 0.027\text{mW}$$