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RF exposure information

Date: **Aug. 11, 2015**

FCC ID: **KR5TIS-03**; IC: **7812D-TIS03**

1. Introduction:

The device with FCC ID: KR5TIS-03; IC: 7812D-TIS03 is designed to be used in portable exposure conditions.

This product integrates a transmitter operated in 433.92 MHz frequency band.

2. Output power considerations:

Worst case output power transmitter: 76,68 dBμV/m@3m = 0,014 mW eirp

3. Compliance criteria:

Transmitter is deemed to comply with FCC § 2.1093 requirements and IC RSS-102 Issue 5 as the output power of the device meets the conditions specified in section 4.3.1 (SAR test exclusion) considerations of the document “KDB 447498 D01 General RF Exposure Guidance v05r02” and in section 2.5.1 (Exemption from Routine Evaluation Limits – SAR Evaluation) of RSS-102 Issue 5.

FCC:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{[\sqrt{f(\text{GHz})}]} \right] \cdot \frac{1}{(\text{min. test separation distance, mm})} \leq 3$$
$$[0.013/5] \cdot [\sqrt{0.43392}] = 0.0017 \leq 3$$

IC:

Max output power (mW) ≤ 54.0368 mW (limit at 433.92 MHz resulting of the linear interpolation of the limits at 300 MHz and 450 MHz specified in table 1 of section 2.5.1 of RSS-102 Issue 5)

$$0.014 \text{ mW} \leq 54.0368 \text{ mW}$$

Sincerely,

p.a.
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