

## RF Exposure Analysis – SAR Test Exemption – UV Smart D60

#### FCC ID: 2A8KOUVSMARTD60V1

The UV Smart D60 equipment operates using a 13.56 MHz transmitter.

# The following FCC Rule Parts and Procedures are applicable:

KDB447498 D04 V01 – Interim General RF Exposure Guidance

Part 1.1307(b)(3)(i)(A) - Blanket RF exposure exemption (i)

Part 1.1307(b)(3)(i)(C) - SAR test exemption (ii)

Part 1.1307(b)(3)(i)(B) - SAR test exemption (iii)

## For the UV Smart D60

Operating Frequency: 13.56 MHz

Tx Power<sub>max</sub> (declared): 53.0 dB $\mu$ V/m @3m = -42.2 dBm EIRP = -44.35 dBm ERP Measured radiated power — Ref KDB447498 D04 Section 3.1.2 — When an antenna port is not available on the device to support conducted power measurement, e.g.: with built-in integral antennas, the available maximum output power or ERP, whichever is larger, and tolerance allowed for production units shall be used to determine RF exposure test exemption and compliance.

## **Evaluation**

From Part 1.1307, RF exposure exemption applies if the maximum transmitted power is less than the maximum of the following three criteria:

- i) Less than 1 mw Blanket exemption.  $P_{TH} = 0.001 \text{ W} \S1.1307(b)(3)(i)(A)$
- ii) determination of exemption under the MPE-based §1.1307(b)(3)(i)(C), if i) not met
- iii) determination of exemption under the SAR-based §1.1307(b)(3)(i)(B) if both i) and ii) are not met;

#### Conclusion

The UV Smart D60source-based, time-averaged power is -44.35 dBm.

i.e.: less than 1 mW (0 dBm), so complies with the RF exposure blanket exemption in accordance with §1.1307(b)(3)(i)(A).

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