



November 13, 2020
Bioelectris LLC
Digital Transmission System
FCC ID: 2AXVYBM832

RF Exposure.

Unit is categorically excluded from RF Exposure and does not require SAR test.

From KDB 447498 DO1 General RF Exposure Guidance v06

In 4.3.1 a) is states:

a) For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,

The power listed on the grant is 2.5mW so per KDB 447498)4.3.1a) it must be rounded to the nearest mW so 3.0 mW will be used for the calculation.

$$[3.0 \text{ mW}/5\text{mm}] \times [\sqrt{2.48(\text{GHz})}] =$$

$$0.6 \times 1.57 = 0.945$$

As this is less than 3 the unit complies with the 1-g SAR.

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