

From: Jesse Moore

To: Doug Young
Date: May 03, 2016

Subject: Request for Info - STA File #0428-EX-ST-2016

Message:

Doug,

I was not able to locate any FCC numbers on the actual transmitters or controller. Below is the information that I was able to locate. Manufacturers just refer me to their websites. The Hitec products are German and the RFDesign transmitters are Australian.

Model No : AURORA 9X

P O W E R : 1. Power supply from the AC/DC Adapter

input - AC 100 V~240V: 50Hz/60Hz

Output - TX : DC 7.2V : 150mA

2. Rechargeable Battery : NiMH, Ni-Cd

Serial No : NONE

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

The RFD900 is designed to be compliant with the following standards:

FCC Part 15.247 (Frequency hopping and digitally modulated intentional radiators)

AS/NZS 4268:2012 (Radio equipment and systems - short range devices)

Frequency Range: 902 - 928 MHz (USA) / 915 - 928 MHz (Australia)

Output Power: 1W (+30dBm), controllable in 1dB steps (+/- 1dB @=20dBm typical)

Air Data transfer rates: 4, 8, 16, 19, 24, 32, 48, 64, 96, 128, 192 and 250 kbit/sec (User selectable, 64k default)

UART data transfer rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200 baud (User selectable, 57600 default)

Output Power: 1W (+30dBm)

Receive Sensitivity: >121 dBm at low data rates, high data rates (TBA)

Size: 30 mm (wide) x 57 mm (long) x 12.8 mm (thick) - Including RF Shield, Heatsink and connector extremities

Weight: 14.5g

Mounting: 3 x M2.5 screws, 3 x header pin solder points

Power Supply: +5 V nominal, (+3.5 V min, +5.5 V max), ~800 mA peak at maximum power

Temp. Range: -40 to +85 deg C, tested operational from -73 to +123 deg C.

Is any of this helpful?

- Jesse