

## **Airvana Output Power Discrepancy**

### Problem:

- It is stated in Technical Report EC0514-1 that the output power of the RM-1900 was set to 42 Watts.
- The highest output power measurement reported was 36.3dBm, which translates to only 4.27 Watts.

### Response:

- Due to 47 CFR 24.238(d), the measurements of both the transmitter power and the other emission power measurements were reported as average readings.
- Peak transmitter power measurements were taken. They are as follows:  
Channel 25 – 43.38dBm, Channel 600 – 42.2dBm, Channel 1175 – 42.26dBm.
- The statement in the Technical Report regarding the output power setting is in error. The output power was actually set to 42dBm rather than 42 Watts.

**1.38dB is within our  $\pm 3$ dB measurement error.**