

From: Jesse Beard

To: Nimesh Sangani

Date: March 14, 2019

Subject: FAA Frequency Approval

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Message:

Explanation of X in WXD

Emission Designator: 20MOWXD

Bandwidth: 20.0 MHz

Modulation Type: [W] Pulse, two or more modes used

Modulation Nature: [X] Unknown

Information Type: [D] Data, telemetry, telecommand

The Emissions Designator 20MOWXD signifies a wireless radio which transfers data over a modulated wave using Unknown signal. This signal transmits at a 20.0 MHz [20MO] maximum bandwidth. Bandwidth does not indicate frequency of the signal. Emissions Designators describe the type of signal only.

(Wi-Fi) IEEE 802.11 (a,b,g,n,ac) may use a variety of modulation schemes. The various modulations can be used to achieve faster bit rates.