

Pd-TX-100 Emission Designator

Emission Designator – Transmission Characteristics

Per FCC rule Chapter 47 Subpart C Part 2.201

Section (c) (6) - W

Section (d) (5) - 7

Section (e) (5) - D

Emission Designator – Necessary Bandwidth

Relevant rules: NTIA Redbook, appendix J, Page 11

$$B_n = (N_s + 16.25)C_s$$

Where:

N_s = the number of sub-carriers

C_s = the channel spacing

Using data supplied from Domo Ltd., the manufacturer of the COFDM module

$$N_s = 399$$

$$C_s = 5.874 \text{ KHz}$$

$$\text{Therefore } B_n = (399 + 16.25)5874 = 2439178.5$$

The Emissions Designator for the Pd-TX-100S is 2M4W7D