

## HVT250-S Emission Designators

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 HVT-250-S is **2M4W7D**