

# DTVLink-A Event NX-GEN

The "IDU Operational Mode" can be decoded as follows:

**rrrAmmWn[T|E]<mod><BW><TC><N>**

where

**rrr** = ASI rate in Mbps {000-150}\*

"A" indicates ASI

**mmm** = WAN (Ethernet) rate in Mbps {000-150}

"W" indicates WAN (Ethernet)

n=number of T1/E1 channels {0-g}

a=10, b=11, c=12, d=13, e=14, f=15, g=16

"[T|E]" indicates T1 or E1

**<mod>**=modulation type {QP,16,32,64,12,25}

QP = QPSK

16 = 16 QAM

32 = 32 QAM

64 = 64 QAM

12 = 128 QAM

25 = 256 QAM

**<BW>** = RF Bandwidth in MHz {10,12,14,17,20,25,28,30}

**<TC>**=Trellis Coding Error Correction {1,3,4,5,6,7,9,b,d,f}

1 = 1/2

3 = 3/4

4 = 4/5

5 = 5/6

6 = 6/7

7 = 7/8

9 = 9/10

b = 11/12

d = 13/14

f = 15/16

**<N>** indicates NMS channel has been disabled. {N, blank}

\*Note: The available ASI payload rate is 2% less than the indicated rate:

ASI payload = ASI indicated ÷ 1.02

For example, **044A010W1T16253** is

44Mb ASI (43.1Mb ASI payload),

10Mb Wan (Ethernet),

1 T1 channel,

16 QAM modulation,

25 MHz RF channel, and

3/4 Trellis Coding Error Correction.