

Exhibit I:

L5X-PMP-01-280

Modulation Characteristics

This Exhibit provides a response to Section 2.1047 (d), based on the requirements specified in Section 101.141.

Refer to Table 1 Domestic Modulated Data Rates and compare columns under the headings ATM Bit Rate Mbits/s and DSB BW (MHz).

Table 1 Domestic Modulated Data Rates

Modulation Type	ATM Bit Rate (Mbits/sec)	Symbol Rate (Msym/sec)	DSB BW (MHz)	Channel Spacing (MHz)
64-QAM	7.2	1.316528	1.475	2.0
64-QAM	14.4	2.619781	2.934	4.0
64-QAM	21.7	3.949127	4.423	5.6
64-QAM	30.9	5.625000	6.300	8.0
64-QAM	40.0	7.265625	8.138	10.0
16-QAM	4.8	1.316528	1.475	2.0
16-QAM	9.6	2.619781	2.934	4.0
16-QAM	14.5	3.949127	4.423	5.6
16-QAM	20.6	5.625000	6.300	8.0
16-QAM	26.7	7.265625	8.138	10.0
QPSK	2.4	1.316528	1.475	2.0
QPSK	4.8	2.619781	2.934	4.0
QPSK	7.2	3.949127	4.423	5.6
QPSK	10.3	5.625000	6.300	8.0
QPSK	13.3	7.265625	8.138	10.0