

Exhibit J:

L5X-PMP-04-280

Occupied Bandwidth

This Exhibit provides a response to Section 2.1049, based on the requirements specified in Section 101.109.

<u>Frequency Band</u>	<u>Maximum Authorized Bandwidth</u>
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27.500 GHz to 28.350 GHz

50 MHz

Refer to Table 1. Domestic Modulated Data Rates. In the column under the heading DSB BW (MHz) occupied Bandwidths are listed and referenced to each Modulation Type and selected Bit Rate.

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	3.7	0.664902	0.745	1.0
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
16-QAM	2.4	0.664902	0.745	1.0
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
QPSK	1.2	0.664902	0.745	1.0
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