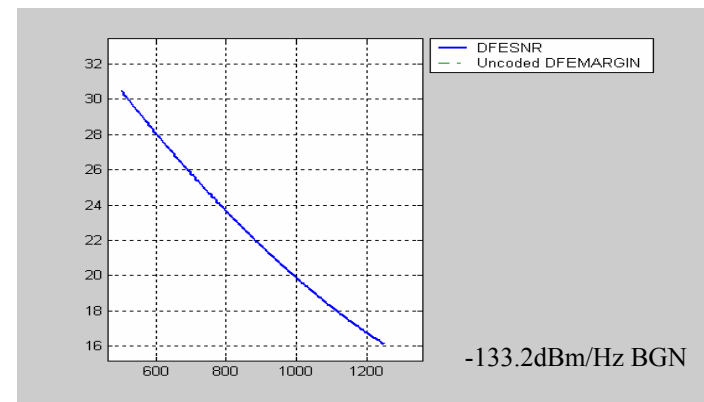
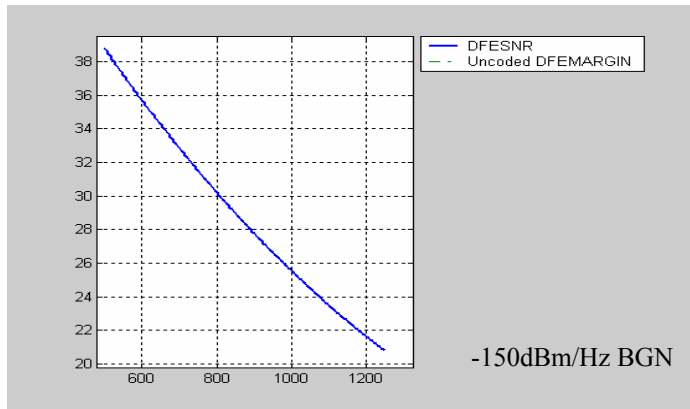


Model 1: Performance Comparison



100m Cat7 4Conn IL, 62.5dB ANEXT at 100MHz, split slope, Default Cancellation Parameters

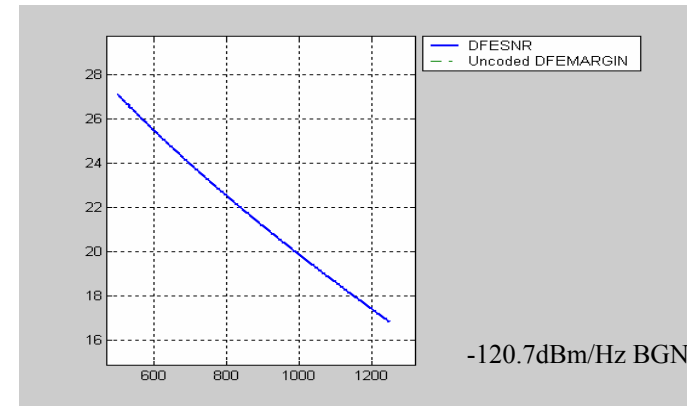
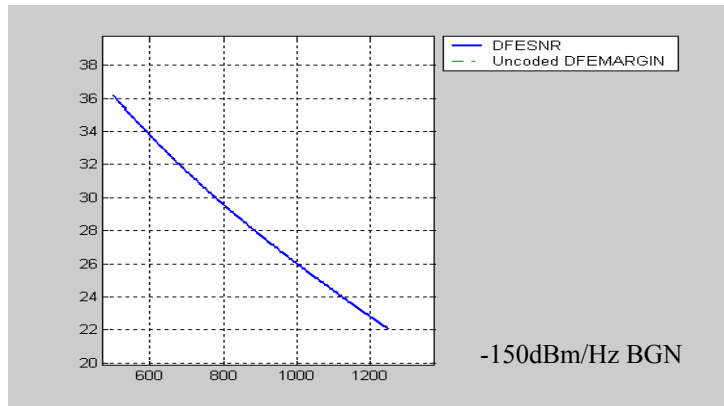


Proposal	Symbol Rate	SNR for 1E-12 BER	SNR at -150 dBm/Hz WGN	Margin at -150 dBm/Hz WGN	WGN for 1E-12 BER	WGN Power integrated to fs/2	Emissions Penalty	Total EMI Penalty
LDPC 4D-PAM8	1000Ms/s	19.9dB	25.5dB	5.6dB	-133.2 dBm/Hz	-46.2dBm	0dB	0dB
LDPC 4D-PAM12	825Ms/s	23.8dB	29.6dB	5.8dB	-134.2 dBm/Hz	-48.0dBm	0.8dB	2.6dB

Model 2: Performance Comparison



55m Cat6e 4Conn IL, 49.5dB ANEXT at 100MHz, split slope, Default Cancellation Parameters

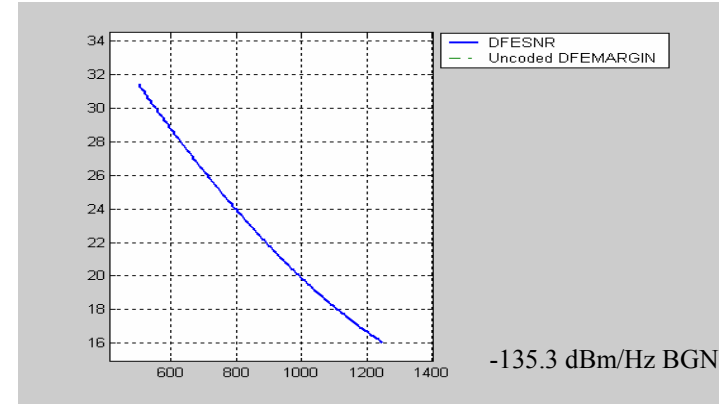
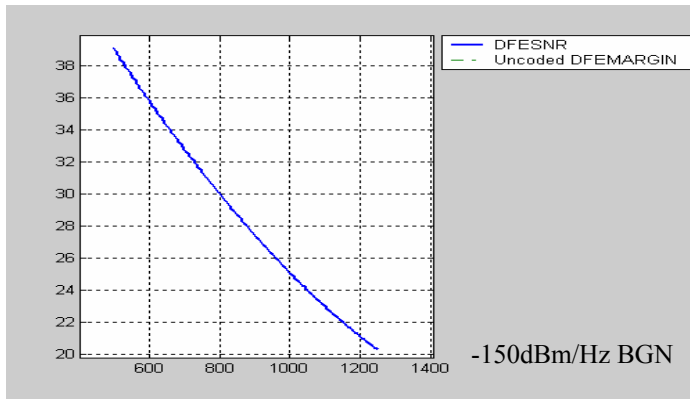


Proposal	Symbol Rate	SNR for 1E-12 BER	SNR at -150 dBm/Hz WGN	Margin at -150 dBm/Hz WGN	WGN for 1E-12 BER	WGN Power integrated to fs/2	Emissions Penalty	Total EMI Penalty
LDPC 4D-PAM8	1000Ms/s	19.9dB	26.0dB	6.1dB	-120.7 dBm/Hz	-33.7dBm	0dB	0dB
LDPC 4D-PAM12	825Ms/s	23.8dB	29.1dB	5.3dB	-123.1 dBm/Hz	-36.9dBm	0.8dB	4.0dB

Model 3: Performance Comparison



100m Cat6e 4Conn IL, 64.5dB ANEXT at 100MHz, split slope, Default Cancellation Parameters



Proposal	Symbol Rate	SNR for 1E-12 BER	SNR at -150 dBm/Hz WGN	Margin at -150 dBm/Hz WGN	WGN for 1E-12 BER	WGN Power integrated to fs/2	Emissions Penalty	Total EMI Penalty
LDPC 4D-PAM8	1000Ms/s	19.9dB	25.1dB	5.2dB	-135.3 dBm/Hz	-48.3dBm	0dB	0dB
LDPC 4D-PAM12	825Ms/s	23.8dB	29.4dB	5.6dB	-135.9 dBm/Hz	-49.7dBm	0.8dB	2.2dB