

Question 1

Table 1 - Columns G to L

Recovered Bitstream	Bit Coding	Corresponding Level	Sample, n	Error	Recovered Signal
=IF(V60<0.5, 0, 1)	=CONCATENATE(W60, W61, W62, W63)	=BIN2DEC(X60)	0	=ABS(BIN2DEC(CONCATENATE(R60,R61,R62,R63))-Y60)	=IF(Y60="", "", Y60*\$K\$2)
=IF(V61<0.5, 0, 1)					=IF(Y61="", "", Y61*\$K\$2)
=IF(V62<0.5, 0, 1)					=IF(Y62="", "", Y62*\$K\$2)
=IF(V63<0.5, 0, 1)					=IF(Y63="", "", Y63*\$K\$2)
=IF(V64<0.5, 0, 1)	=CONCATENATE(W64, W65, W66, W67)	=BIN2DEC(X64)	1	=ABS(BIN2DEC(CONCATENATE(R64,R65,R66,R67))-Y64)	=IF(Y64="", "", Y64*\$K\$2)
=IF(V65<0.5, 0, 1)					=IF(Y65="", "", Y65*\$K\$2)
=IF(V66<0.5, 0, 1)					=IF(Y66="", "", Y66*\$K\$2)
=IF(V67<0.5, 0, 1)					=IF(Y67="", "", Y67*\$K\$2)
=IF(V68<0.5, 0, 1)	=CONCATENATE(W68, W69, W70, W71)	=BIN2DEC(X68)	2	=ABS(BIN2DEC(CONCATENATE(R68,R69,R70,R71))-Y68)	=IF(Y68="", "", Y68*\$K\$2)
=IF(V69<0.5, 0, 1)					=IF(Y69="", "", Y69*\$K\$2)
=IF(V70<0.5, 0, 1)					=IF(Y70="", "", Y70*\$K\$2)
=IF(V71<0.5, 0, 1)					=IF(Y71="", "", Y71*\$K\$2)