

Lab 8 rubric

Overview

- 100 points possible
- Grade basis: Completeness, clarity, and correctness
- Assign partial credit when appropriate.

Problem	Item
2	Three X-Y oscilloscope plots are given:
	- 4-PSK
	- 8-PSK
	- 16-PSK
	Additional questions: Which signal constellation is most sensitive to noise? Least sensitive?
3	Time AND frequency plots are given for:
	- QPSK channel
	- Output of demodulator multiplier
	- Output of demodulator filter
	Explanation is given as to why the following plots makes sense:
	- Time plot of QPSK channel (are 90-degree phase shifts apparent?)
	- Frequency spectrum of QPSK channel (explaining both shape AND location of spectrum)
	- Time plot of demodulator before <i>versus</i> after filter (compare and explain)
4	Report compares oscilloscope traces of input and output sequences.
	Input and output sequences match.
	Report accurately identifies the system delay time based on simultaneous oscilloscope plots of input and output traces.
5	TA signs off that CD was demonstrated successfully.
	Report compares sound quality for 4-PSK, 8-PSK, and 16-PSK.