DPD Project

Road Map

ID	Action Item	Due date	Analysis tools	Literature review	Final report	Notes
1	Signal generation	1/5/22	Plot spectrum Plot time variation Calculate PAPR Power histogram		Plots and PAPR	Type: multi-tone
2	General PA Model	1/5/22	Pin Vs. Pout AM/AM AM/PM	Volterra sums AM/AM AM/PM Intermodulation	Volterra sums AM/AM AM/PM Intermodulation	Input to block: Parameter vector Time domain signal Output: Time domain signal
3	Parameter selection for the PA (LS)	1/6/22	MSE	GD and LS	GD and LS	Based on lab samples
4	Parameter selection for the PA (NN)	15/7/22	MSE/Loss function	NN in general	NN (General) Selected model: description and explanation Results	
5	DPD LS	1/8/22		The different methods to perform DPD	Solution description and explanation Results	
6	DPD NN	15/8/22			Selected model: description and explanation Results	

7	Presentation and final report	15/9/22				