SPD Datasheet

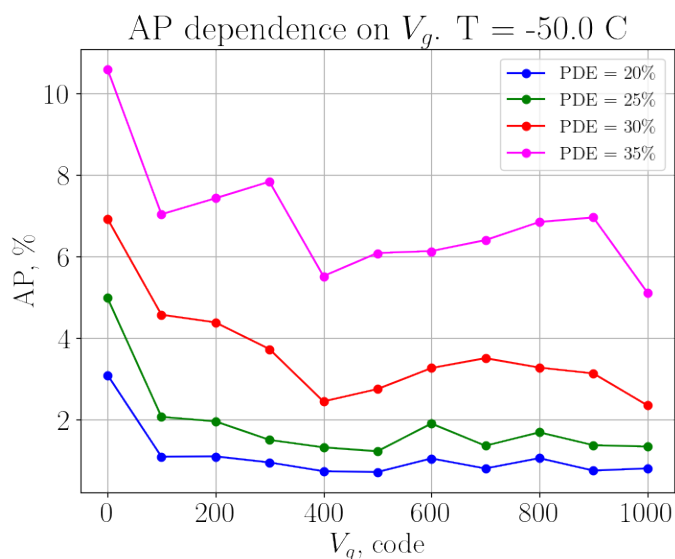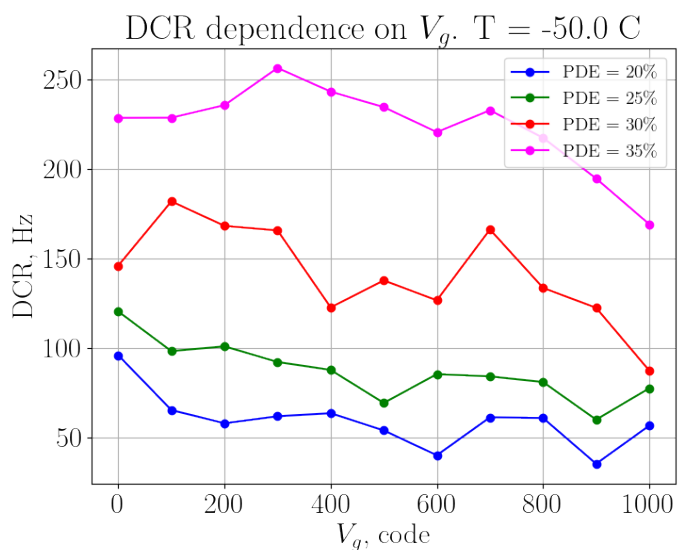SPD type: gated   SPD Name: Hariton   Date: 19.07.2021

Optimal point   T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
QE = 20	20	35	0.5673	0.75	4.57	280	2.7
QE = 30	30	87	0.3436	2.35	4.59	370	2.5

Criterion	Vg, code	Vb, V	T, C
QE = 20	900	61.29	-50.0
QE = 30	1000	61.65	-50.0

Graphic characteristics representation

SNR heatmap for T = -50.0 C

BIF heatmap for T = -50.0 C

DCR dependence on V_g. T = -50.0 C

AP dependence on V_g. T = -50.0 C

SPD Datasheet

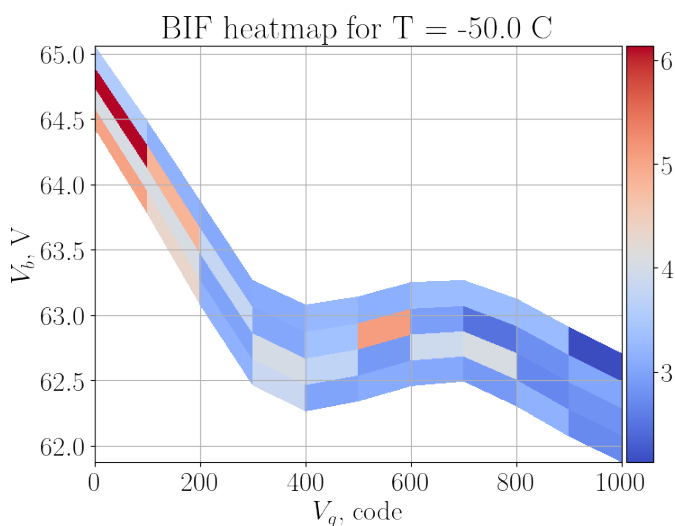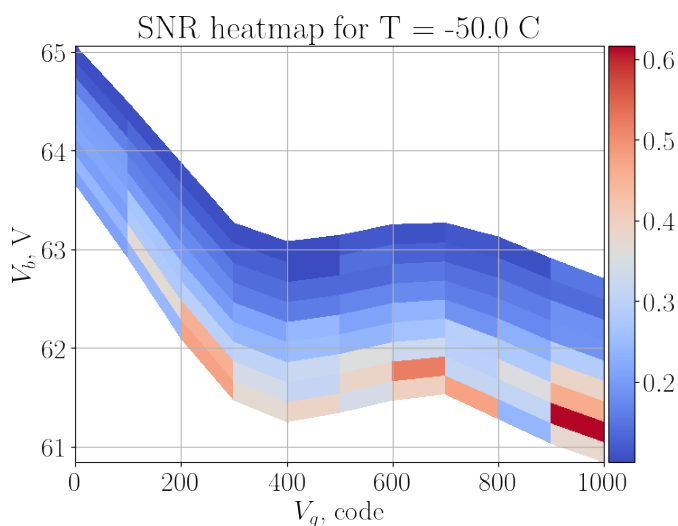SPD type: gated   SPD Name: Hariton   Date: 19.07.2021

Optimal point   T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
QE = 20	20	76	0.2625	0.41	4.72	710	2.8
QE = 30	30	158	0.1895	1.73	4.67	390	2.1

Criterion	Vg, code	Vb, V	T, C
QE = 20	400	62.07	-45.0
QE = 30	800	62.6	-45.0

Graphic characteristics representation

SNR heatmap for T = -45.0 C

BIF heatmap for T = -45.0 C

DCR dependence on V_g. T = -45.0 C

AP dependence on V_g. T = -45.0 C