SPD Datasheet

QRATE
QUANTUM SOLUTIONS

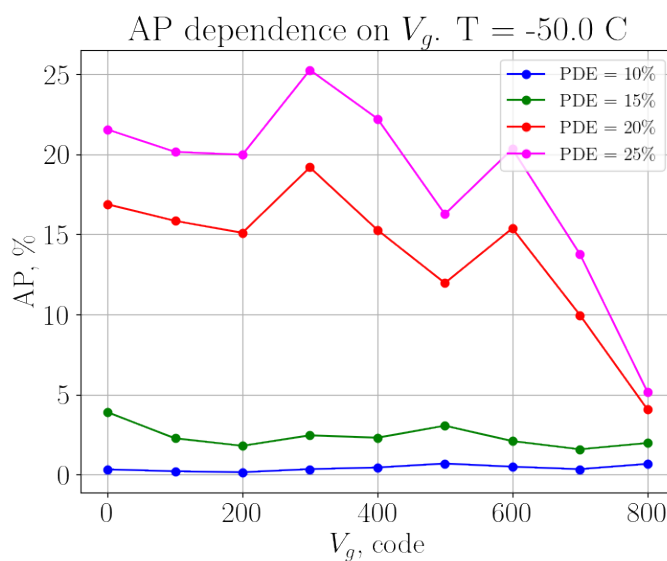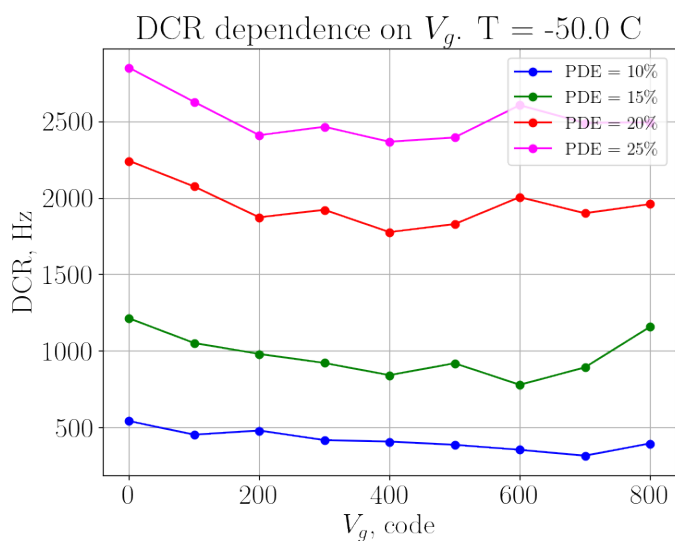SPD type: gated   SPD Name: Evlampiy   Date: 29.07.2021

Optimal point   T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	1.96	28	0.07	0.1	3.86	580	0.7

Criterion	Vg, code	Vb, V	T, C
SNR	800	68.09	-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

PDE = 10%
PDE = 15%
PDE = 20%
PDE = 25%

AP dependence on V_g. T = -50.0 C

PDE = 10%
PDE = 15%
PDE = 20%
PDE = 25%

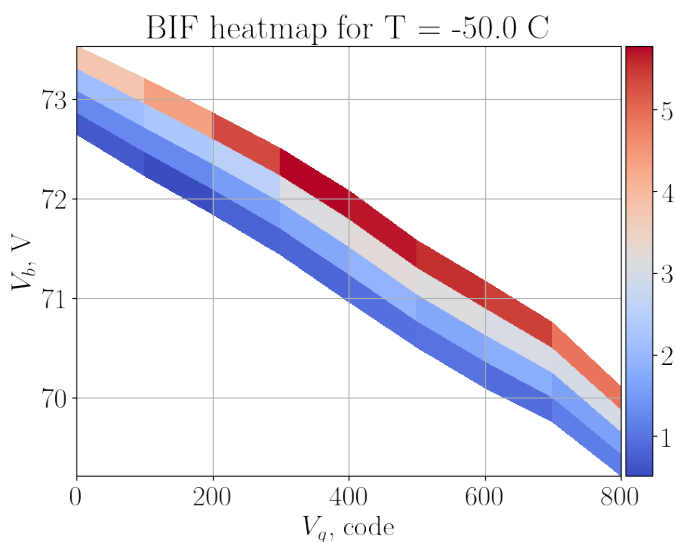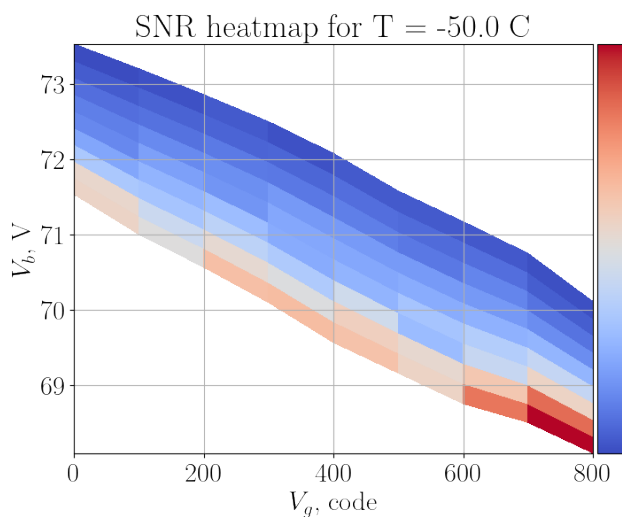# SPD Datasheet

SPD type: gated   SPD Name: Evlampiy   Date: 29.07.2021

Optimal point   T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	2.77	67	0.0416	0.07	4.88	800	0.6

Criterion	Vg, code	Vb, V	T, C
SNR	700	68.99	-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

SPD Datasheet
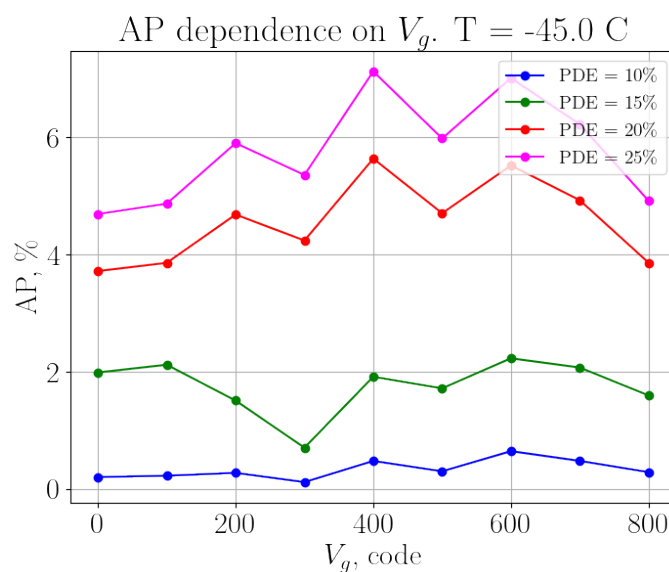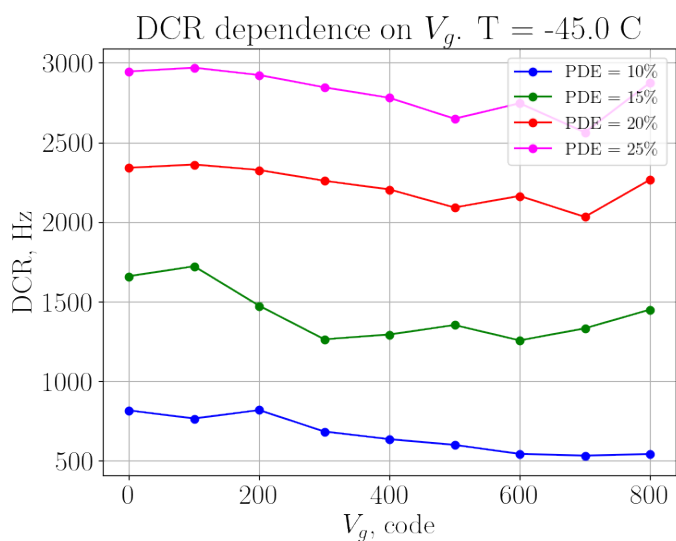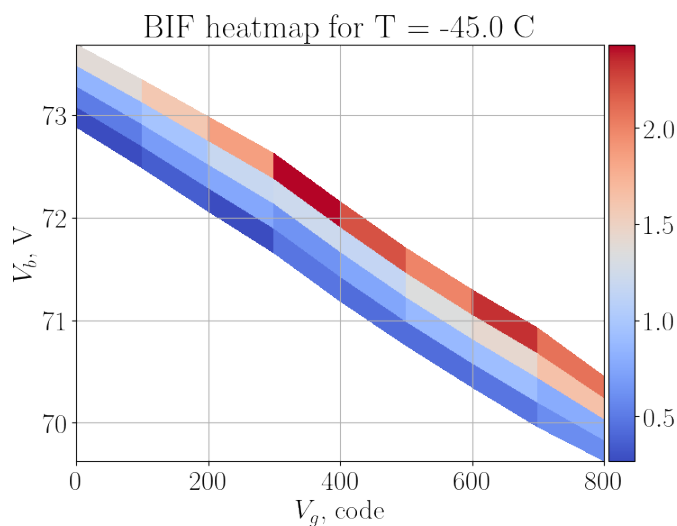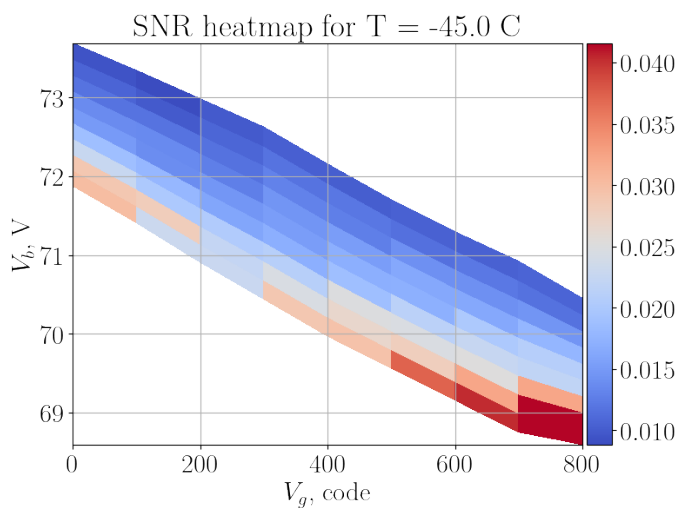
SPD type: gated   SPD Name: Evlampiy   Date: 29.07.2021

Optimal point   T = -40.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	1.33	44	0.0299	0.05	4.79	780	0.3

Criterion	Vg, code	Vb, V	T, C
SNR	700	69.25	-40.0

Graphic characteristics representation

SNR heatmap for T = -40.0 C

BIF heatmap for T = -40.0 C

DCR dependence on V_g. T = -40.0 C

AP dependence on V_g. T = -40.0 C