SPD Datasheet

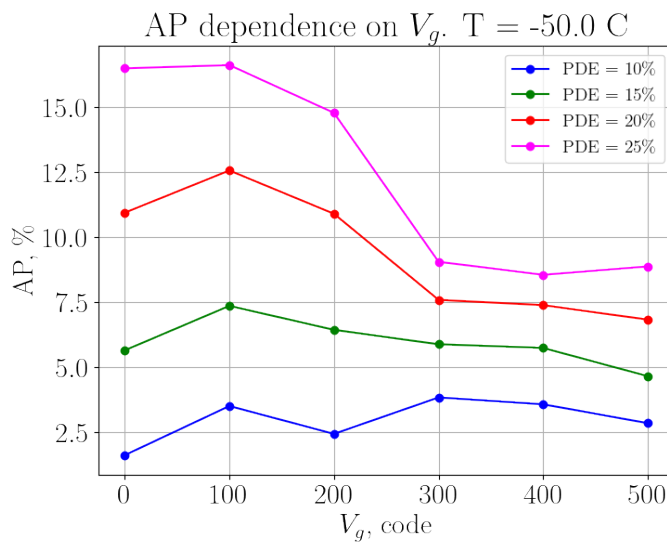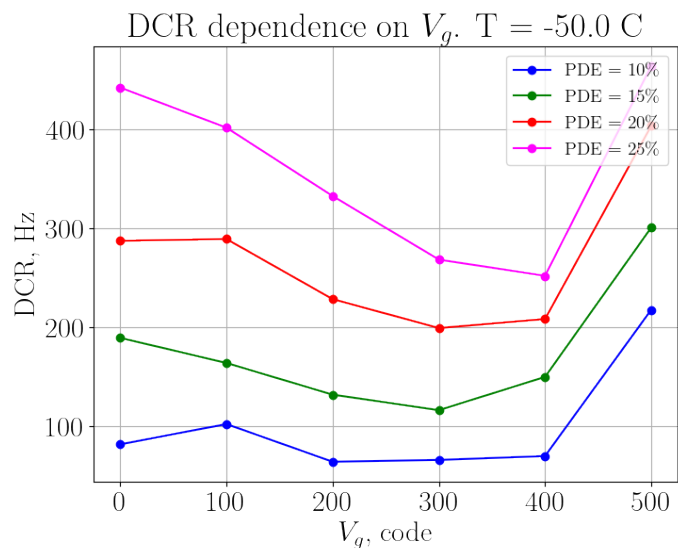SPD type: gated   SPD Name: Nikodim   Date: 22.07.2021

Optimal point   T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
QE = 10	10	64	0.1556	2.44	5.1	840	7.6
QE = 20	20	199	0.1003	7.59	2.76	800	7.8

Criterion	Vg, code	Vb, V	T, C
QE = 10	200	74.25	-50.0
QE = 20	300	74.18	-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
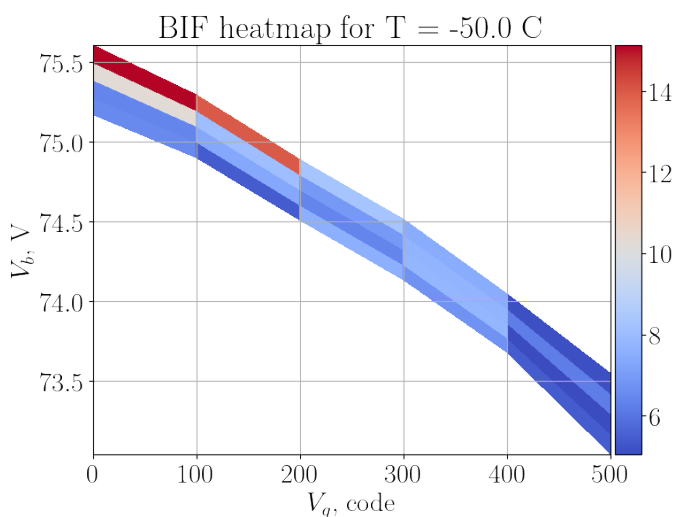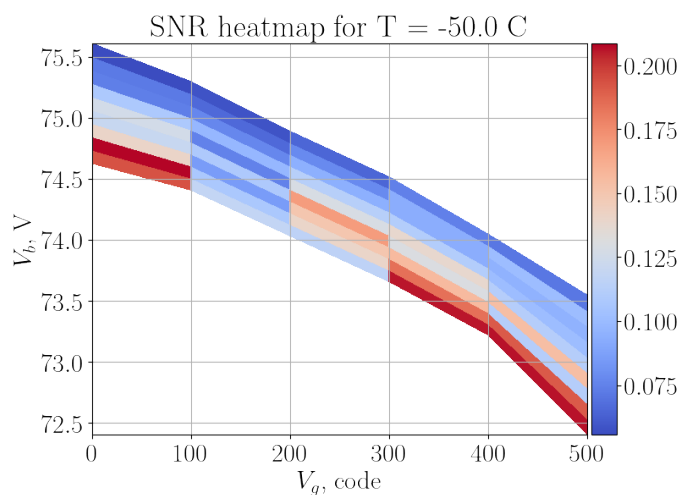
SPD Datasheet

SPD type: gated   SPD Name: Nikodim   Date: 22.07.2021

Optimal point   T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
QE = 10	10	104	0.0959	1.62	5.32	810	5.2
QE = 20	20	332	0.0602	8.63	5.32	400	6.5

Criterion	Vg, code	Vb, V	T, C
QE = 10	200	74.82	-45.0
QE = 20	200	75.2	-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

QRATE
QUANTUM SOLUTIONS
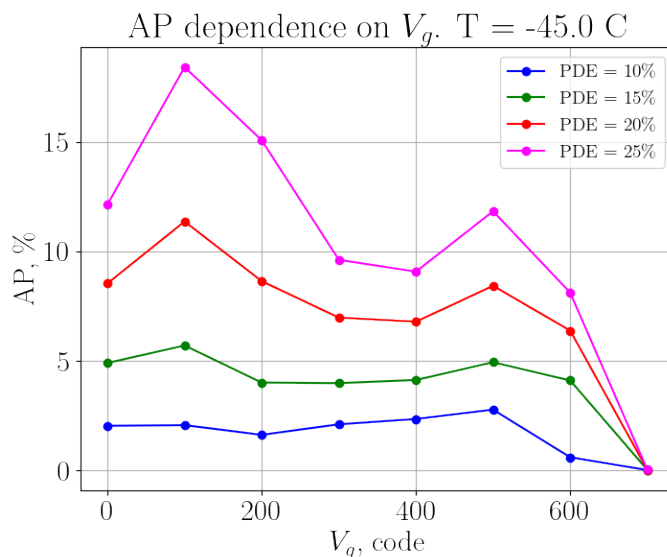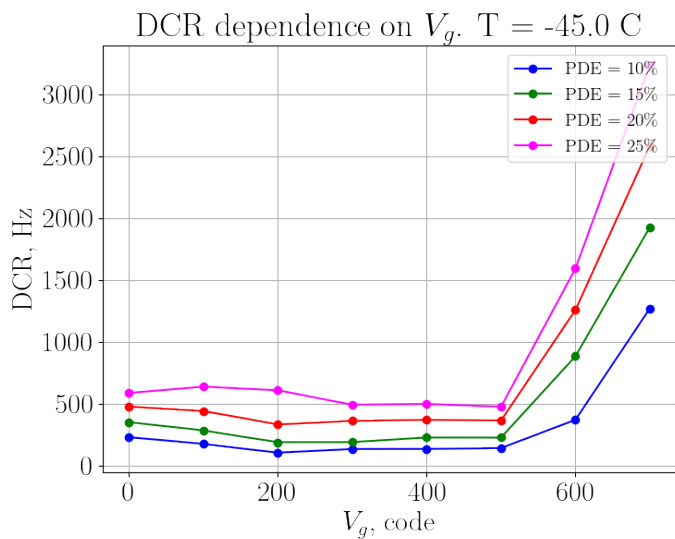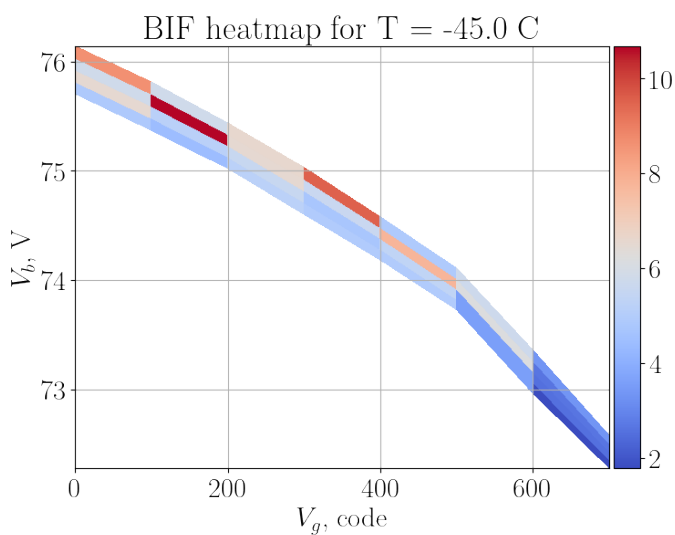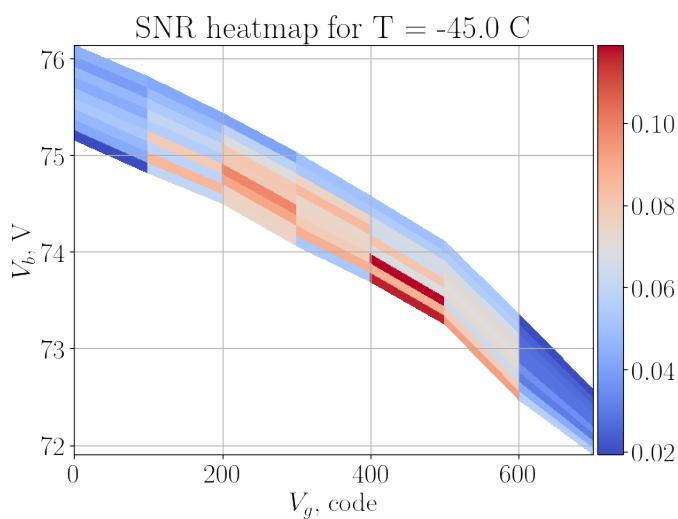
SPD type: gated   SPD Name: Nikodim   Date: 22.07.2021

Optimal point   T = -40.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
QE = 10	10	119	0.084	1.16	0.42	750	3.1
QE = 20	20	468	0.0428	6.6	0.42	360	4.0

Criterion	Vg, code	Vb, V	T, C
QE = 10	500	74.09	-40.0
QE = 20	500	74.47	-40.0

Graphic characteristics representation