SPD Datasheet

QRATE
QUANTUM SOLUTIONS

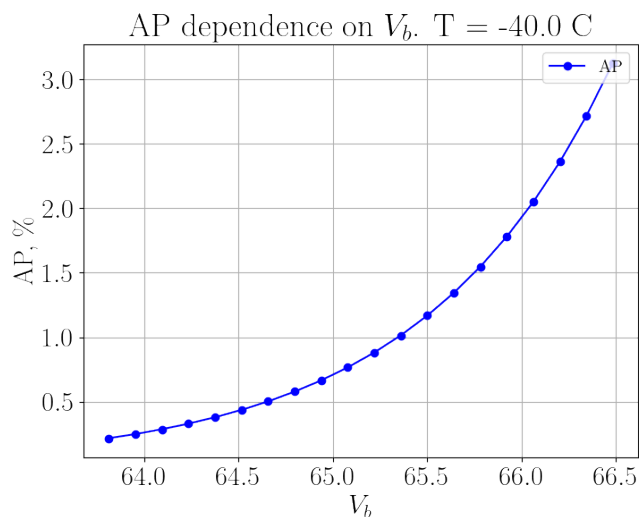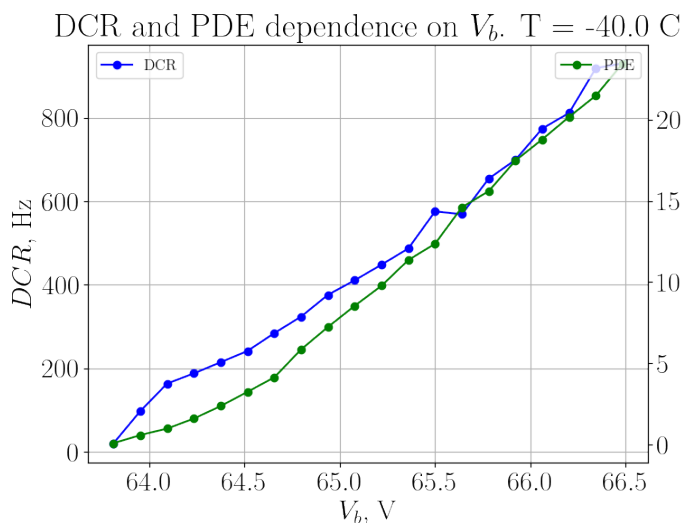SPD type: freerun   SPD Name: AGAFIA   Date: 08.06.2021

Optimal point   T = -40.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
QE = 10	10	453	0.0221	0.9	39.3	1140
QE = 20	20	807	0.0248	2.33	39.3	1140

Criteria	Vg, code	Vb, V	T, C
QE = 10	0	65.24	-40.0
QE = 20	0	66.19	-40.0

Graphic characteristics representation

SPD Datasheet

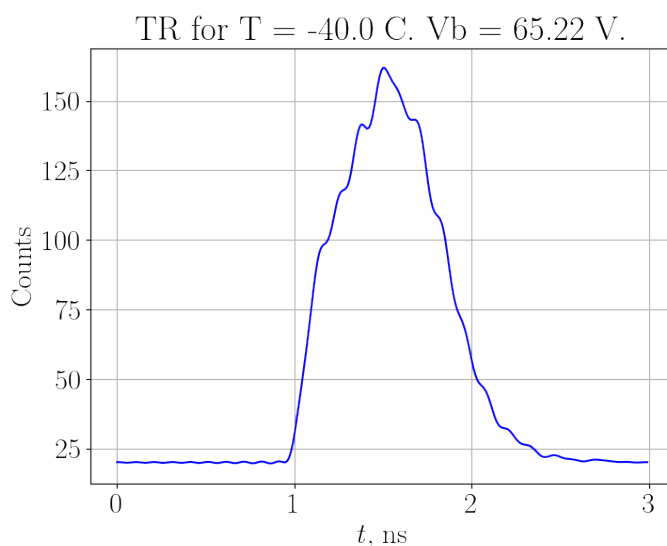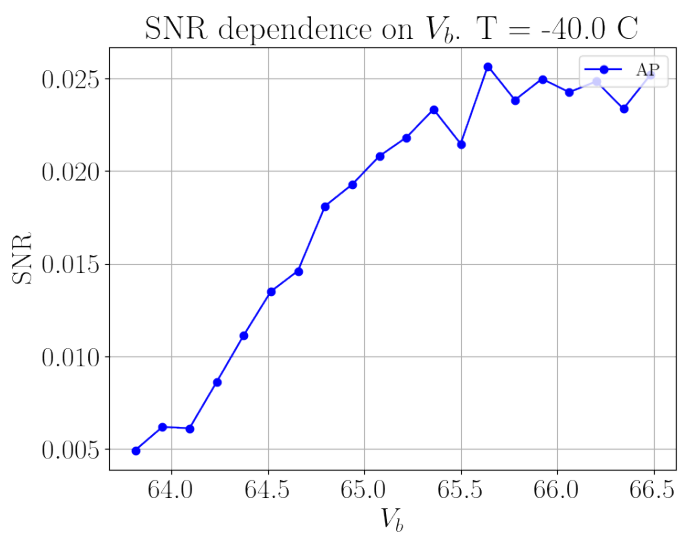SPD type: freerun   SPD Name: AGAFIA   Date: 08.06.2021

Optimal point   T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
QE = 10	10	348	0.0287	0.81	45.85	890
QE = 20	20	622	0.0322	0.85	45.85	890

Criteria	Vg, code	Vb, V	T, C
QE = 10	0	64.68	-45.0
QE = 20	0	65.53	-45.0

Graphic characteristics representation

SNR dependence on V_b. T = -45.0 C

TR for T = -45.0 C. Vb = 64.92 V.

DCR and PDE dependence on V_b. T = -45.0 C

AP dependence on V_b. T = -45.0 C

SPD Datasheet
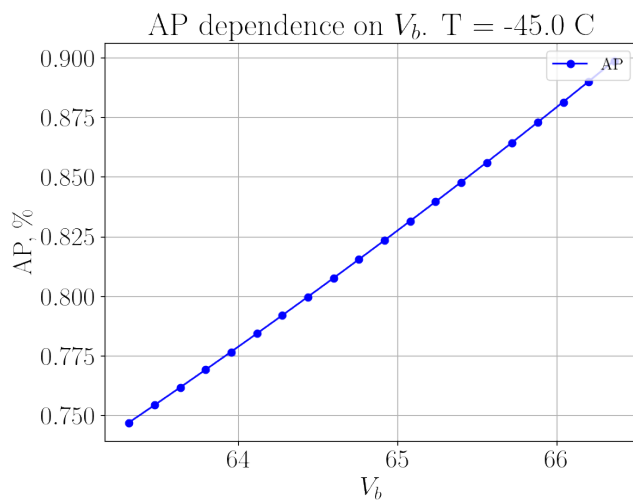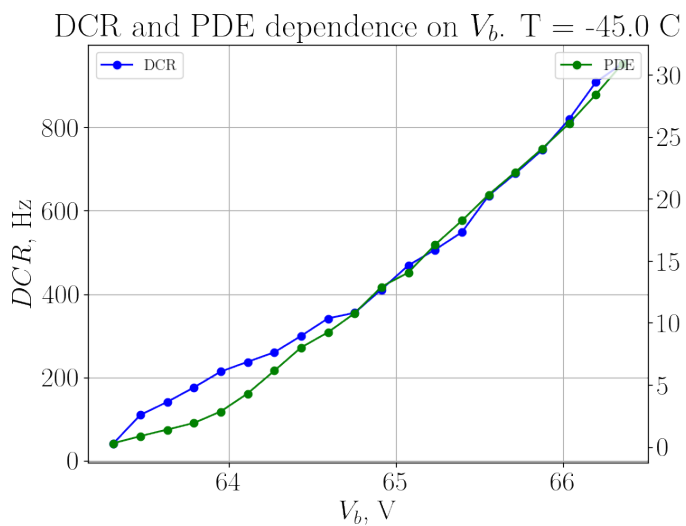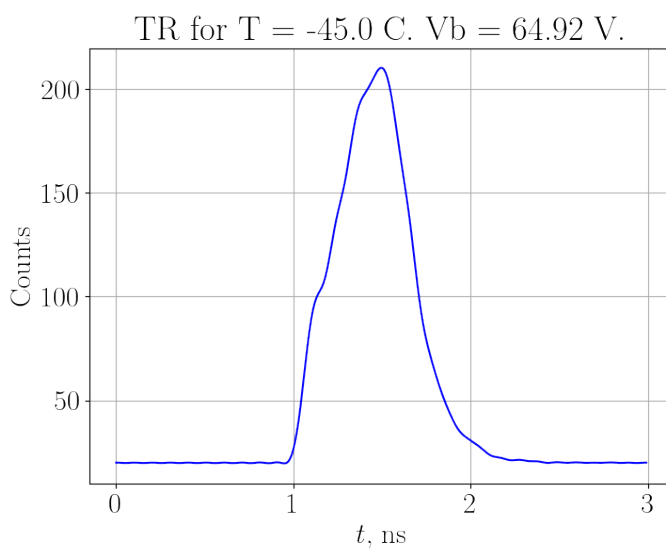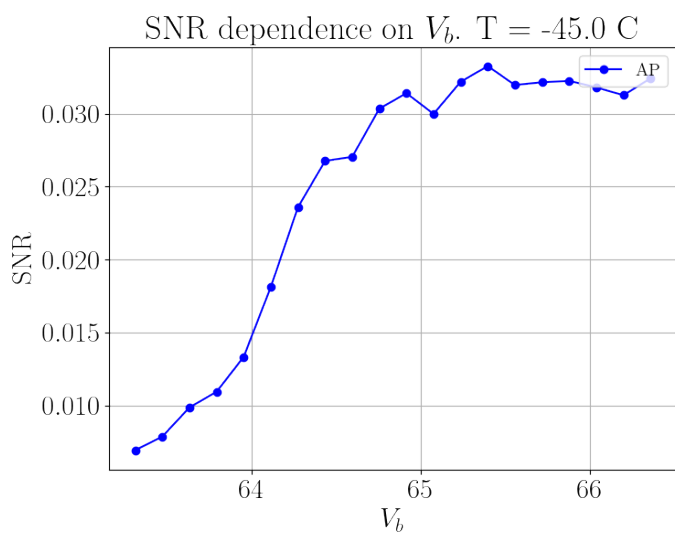
SPD type: freerun   SPD Name: AGAFIA   Date: 08.06.2021

Optimal point   T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
QE = 10	10	253	0.0395	2.61	37.4	680
QE = 20	20	507	0.0394	4.99	37.4	680

Criteria	Vg, code	Vb, V	T, C
QE = 10	0	64.19	-50.0
QE = 20	0	65.26	-50.0

Graphic characteristics representation

SNR dependence on V_b. T = -50.0 C

TR for T = -50.0 C. Vb = 64.65 V.

DCR and PDE dependence on V_b. T = -50.0 C

AP dependence on V_b. T = -50.0 C