SPD Datasheet

QRATE
QUANTUM SOLUTIONS

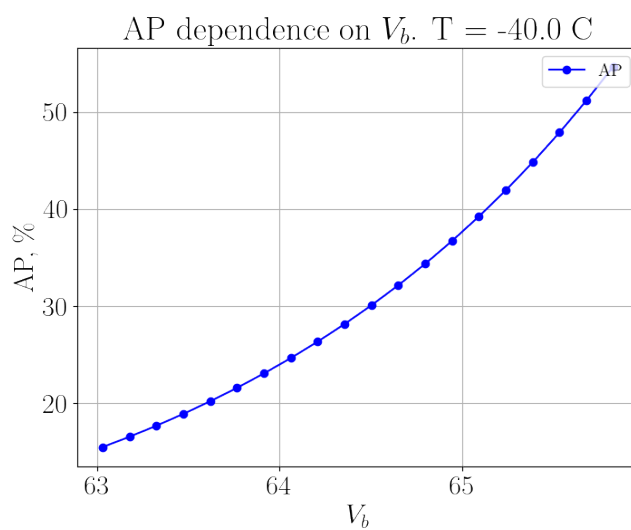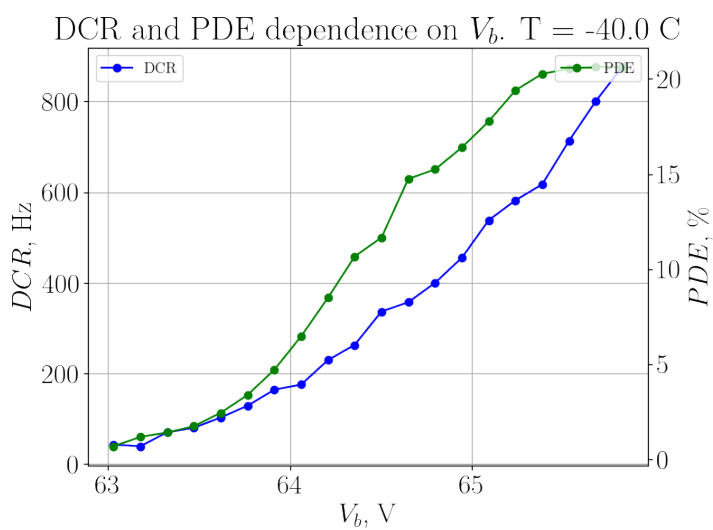SPD type: freerun   SPD Name: Feodosia   Date: 01.07.2021

Optimal point   T = -40.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	14.75	357	0.0413	32.15	38.35	1040

Criteria	Vg, code	Vb, V	T, C
SNR	0	64.65	-40.0

Graphic characteristics representation

SNR dependence on V_b. T = -40.0 C

TR for T = -40.0 C. Vb = 64.65 V.

DCR and PDE dependence on V_b. T = -40.0 C

AP dependence on V_b. T = -40.0 C

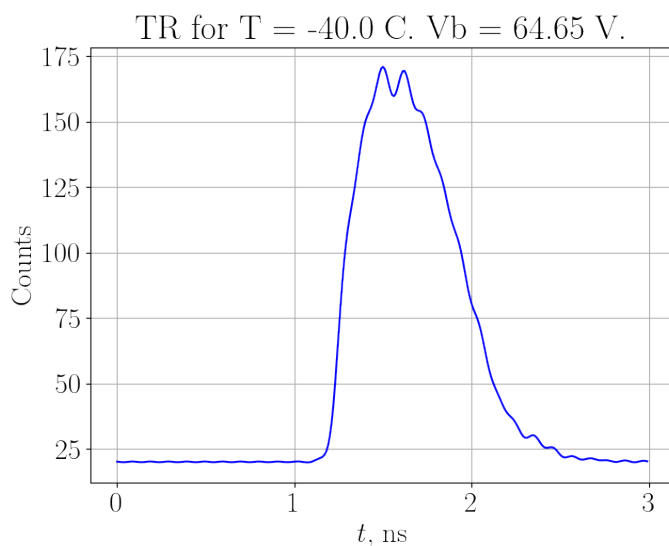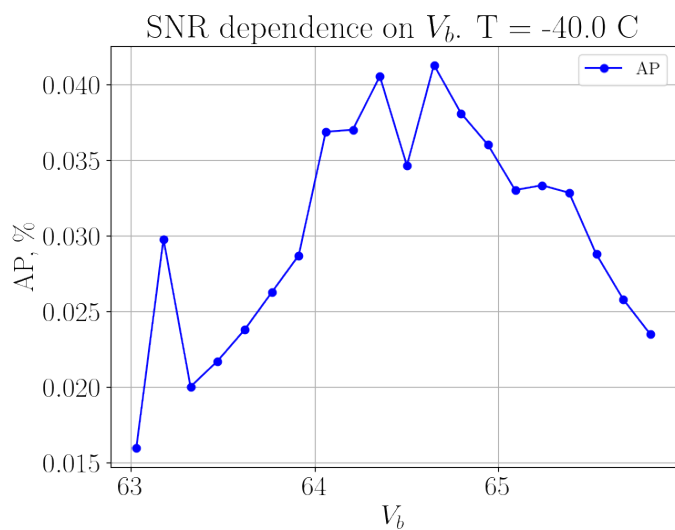# SPD Datasheet

SPD type: freerun   SPD Name: Feodosia   Date: 01.07.2021

Optimal point   T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	13.19	220	0.06	24.42	32.95	1150

Criteria	Vg, code	Vb, V	T, C
SNR	0	63.97	-45.0

Graphic characteristics representation

SNR dependence on V_b. T = -45.0 C

TR for T = -45.0 C. Vb = 63.97 V.

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

AP dependence on V_b. T = -45.0 C

SPD Datasheet
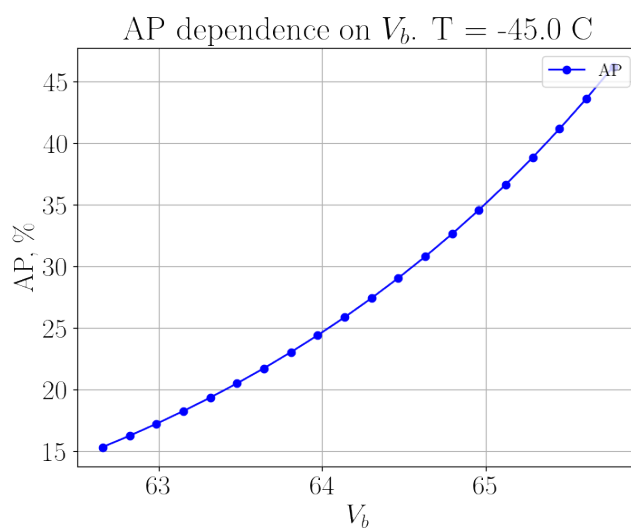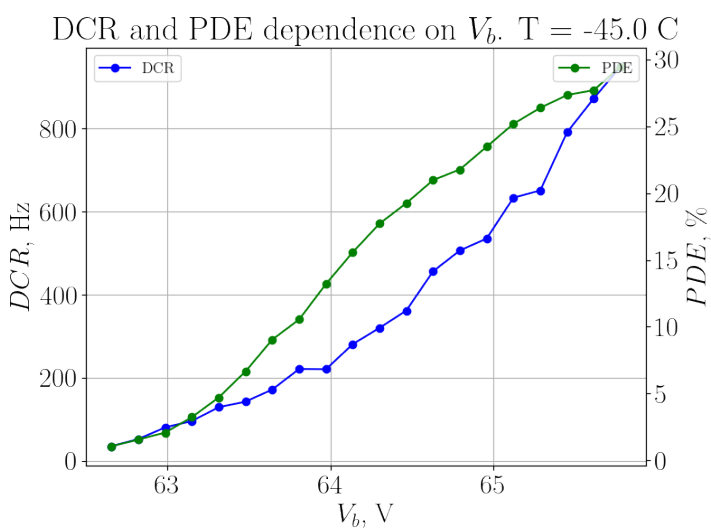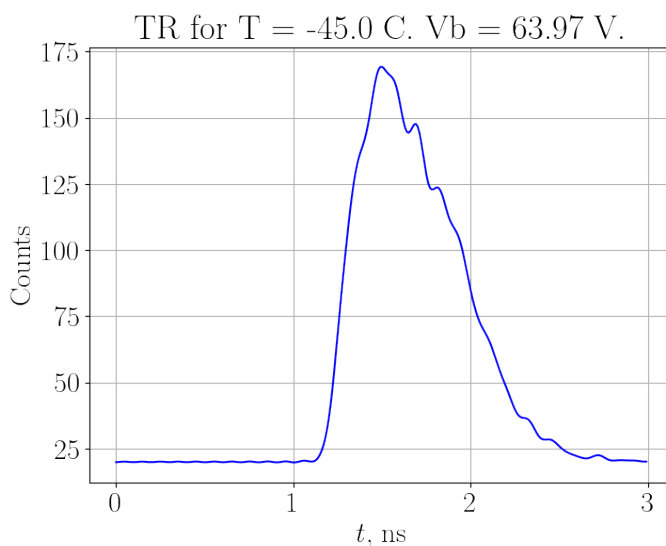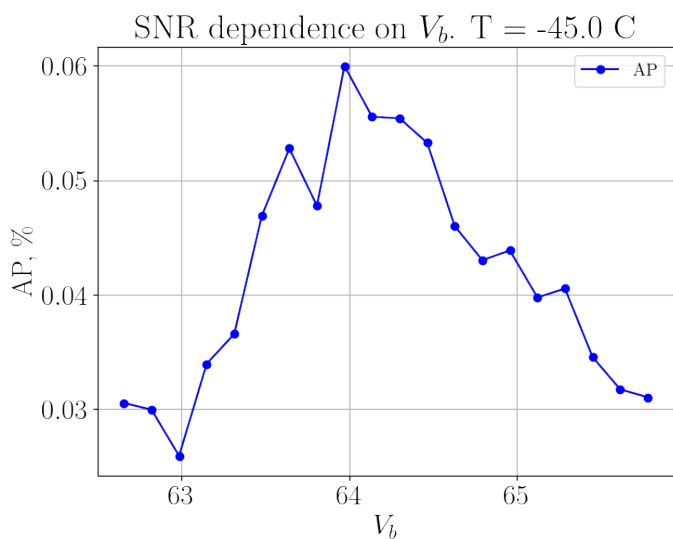
SPD type: freerun   SPD Name: Feodosia   Date: 01.07.2021

Optimal point   T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	10.96	126	0.087	20.74	35.65	1410

Criteria	Vg, code	Vb, V	T, C
SNR	0	63.19	-50.0

Graphic characteristics representation

SNR dependence on V_b. T = -50.0 C
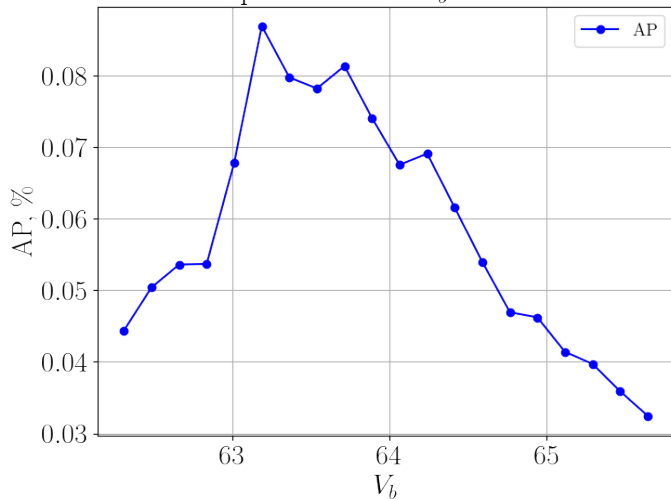
TR for T = -50.0 C. Vb = 63.19 V.
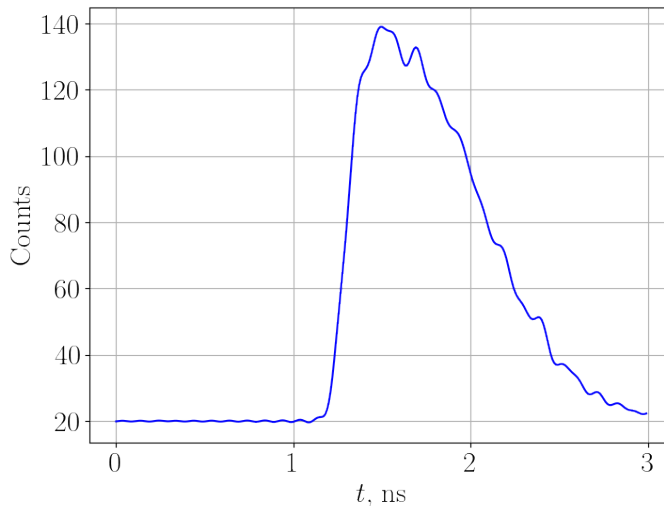
DCR and PDE dependence on V_b. T = -50.0 C

AP dependence on V_b. T = -50.0 C

SPD Datasheet

SPD type: freerun   SPD Name: Feodosia   Date: 01.07.2021
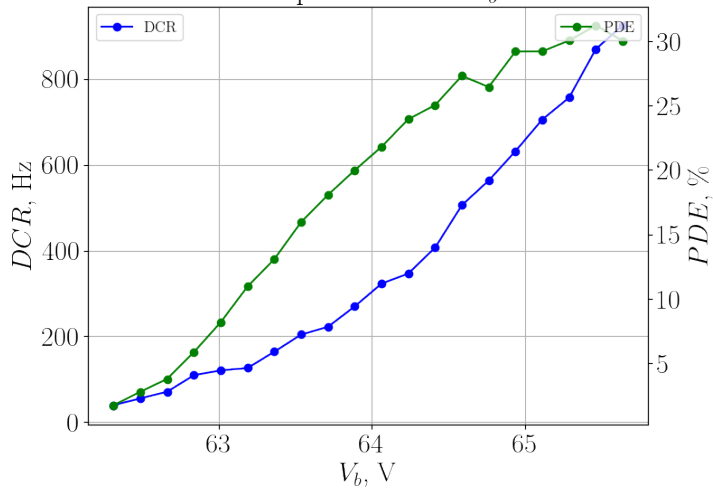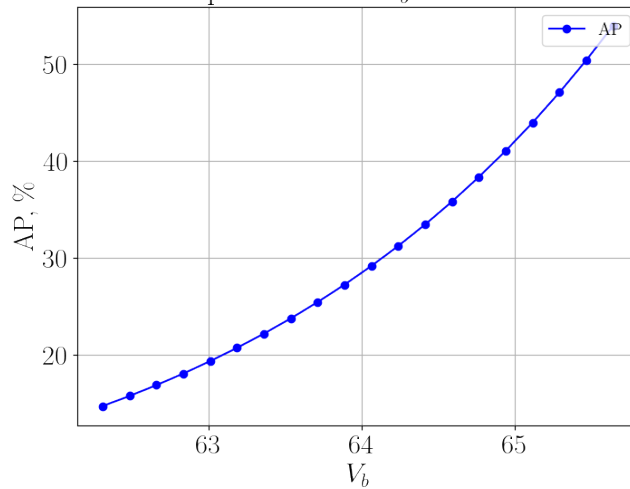
Optimal point   T = -55.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	8.26	76	0.1087	17.99	35.0	1140

Criteria	Vg, code	Vb, V	T, C
SNR	0	62.42	-55.0

Graphic characteristics representation

SNR dependence on V_b. T = -55.0 C

TR for T = -55.0 C. Vb = 62.78 V.

DCR and PDE dependence on V_b. T = -55.0 C

AP dependence on V_b. T = -55.0 C