SPD Datasheet

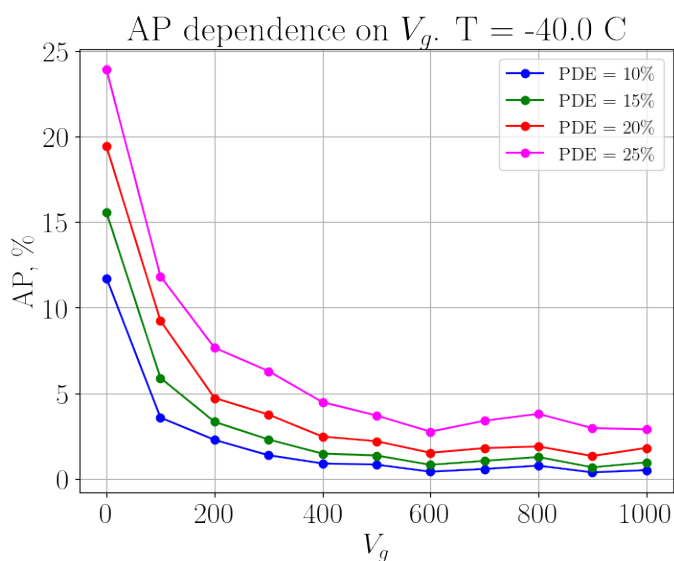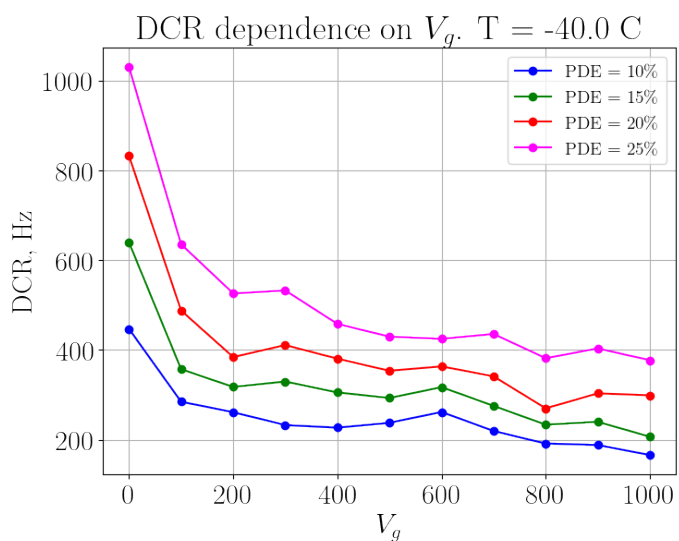SPD type: gated   SPD Name: Uliana   Date: 09.06.2021

Optimal point   T = -40.0 C

Criteria	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	13.3	171	0.0778	0.7	4.77	100

Criteria	Vg, code	Vb, V	T, C
SNR	1000	67.85	-40.0

Graphic characteristics representation

SNR heatmap for T = -40.0 C

TR for T = -40.0 C. Vb = 67.8542

DCR dependence on V_g. T = -40.0 C

AP dependence on V_g. T = -40.0 C

SPD Datasheet
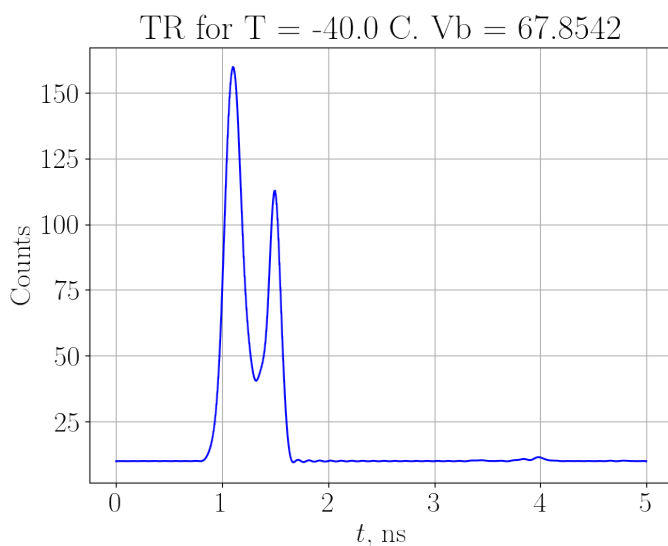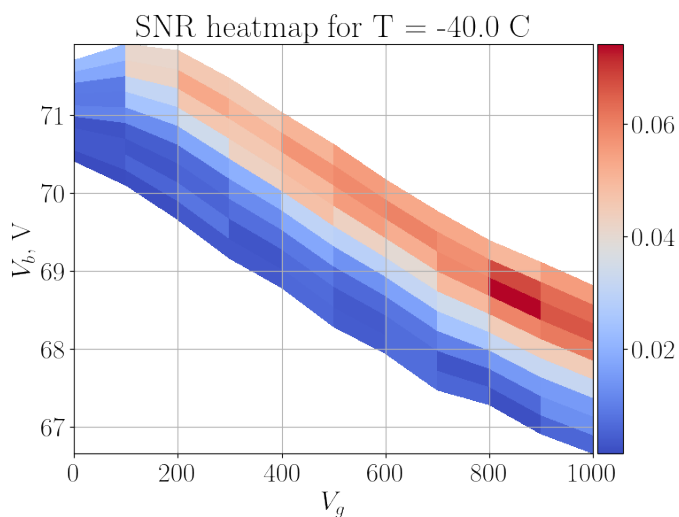
SPD type: gated   SPD Name: Uliana   Date: 09.06.2021

Optimal point   T = -45.0 C

Criteria	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	15.58	169	0.0922	0.5	4.75	200

Criteria	Vg, code	Vb, V	T, C
SNR	1000	67.3	-45.0

Graphic characteristics representation

SNR heatmap for T = -45.0 C

TR for T = -45.0 C. Vb = 67.2969

DCR dependence on V_g. T = -45.0 C

AP dependence on V_g. T = -45.0 C

SPD Datasheet
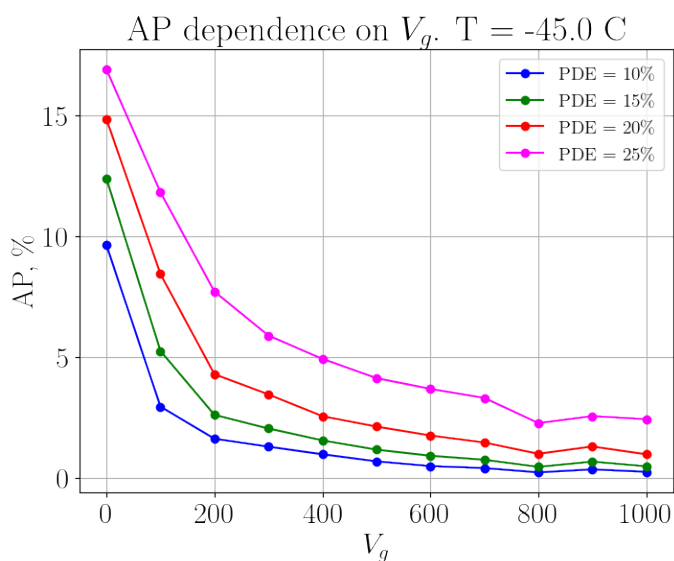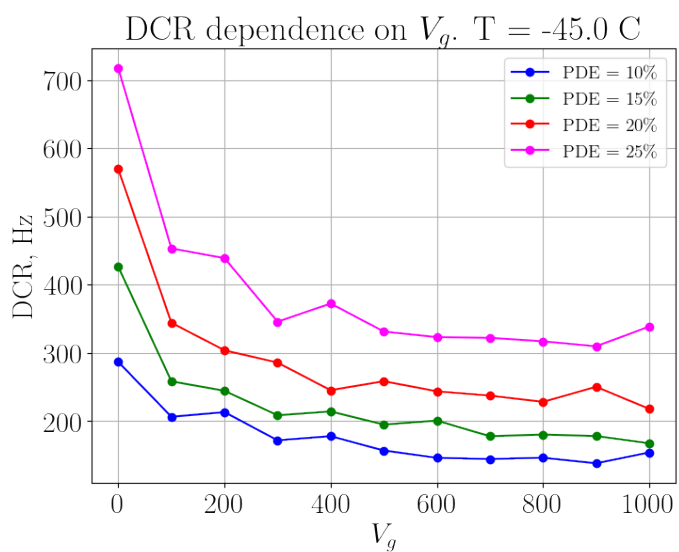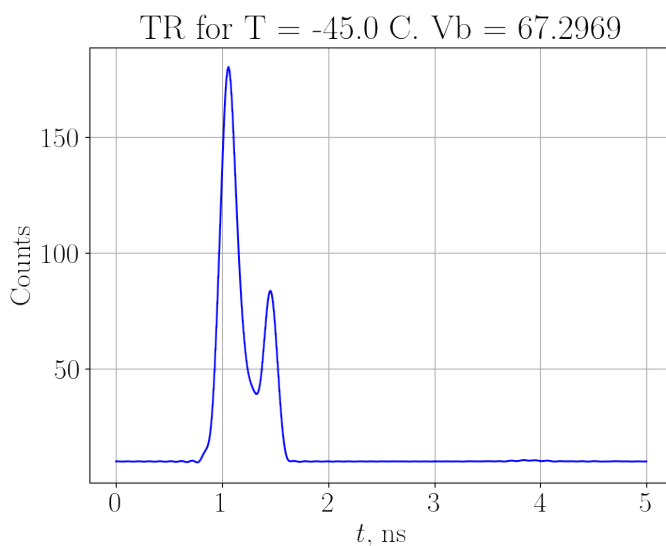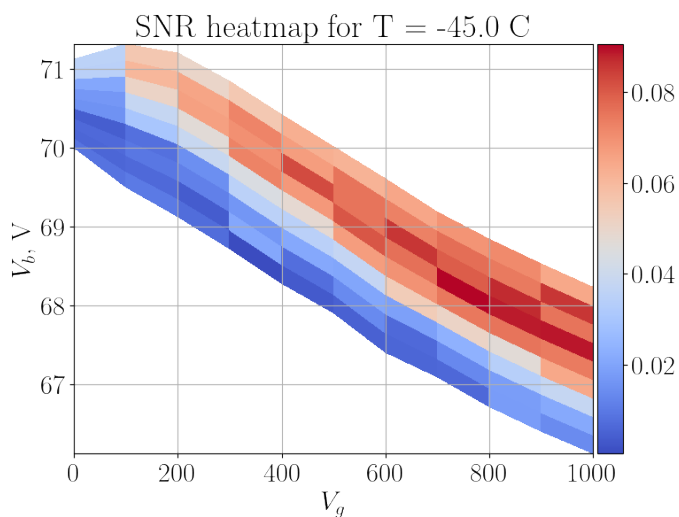
SPD type: gated   SPD Name: Uliana   Date: 09.06.2021

Optimal point   T = -50.0 C

Criteria	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	21.49	165	0.1302	1.14	4.72	190

Criteria	Vg, code	Vb, V	T, C
SNR	900	67.05	-50.0

Graphic characteristics representation

SNR heatmap for T = -50.0 C

TR for T = -50.0 C. Vb = 67.0538

DCR dependence on V_g. T = -50.0 C

AP dependence on V_g. T = -50.0 C

SPD Datasheet
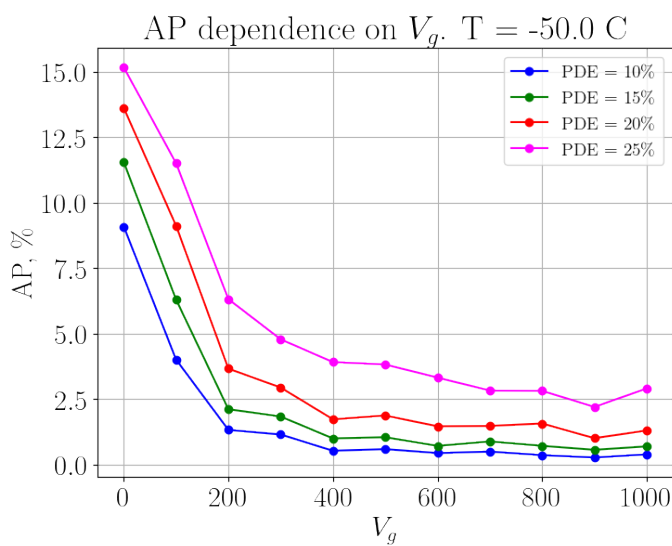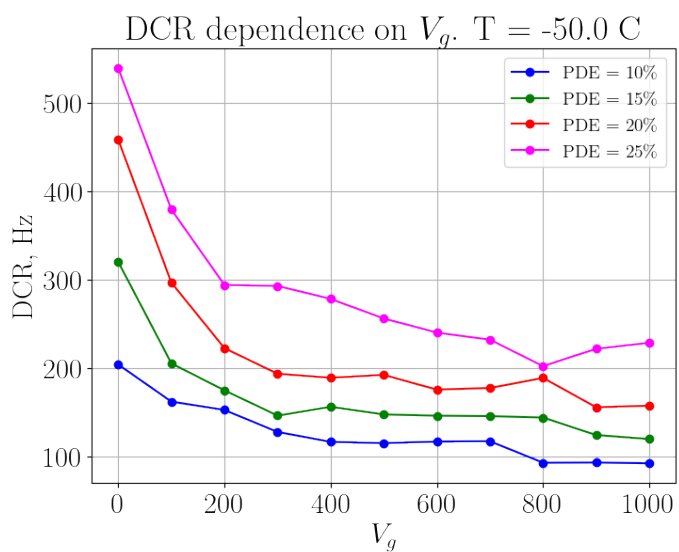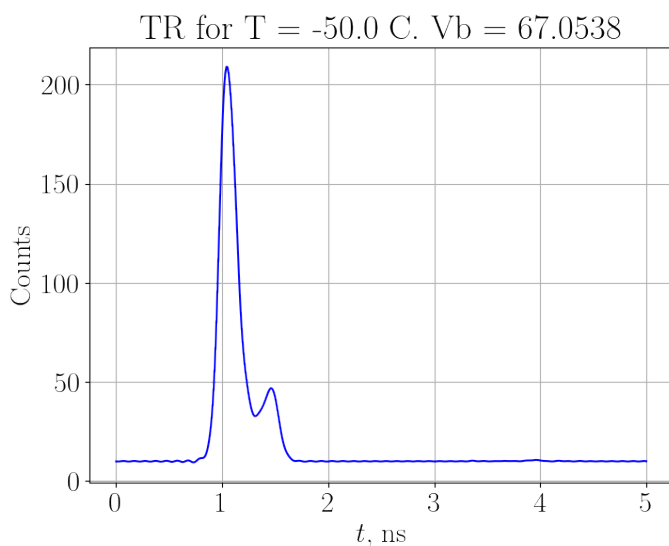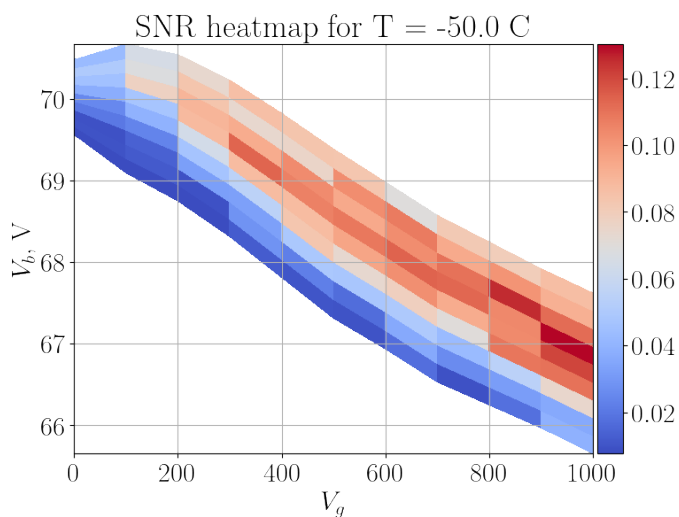
SPD type: gated   SPD Name: Uliana   Date: 09.06.2021

Optimal point   T = -55.0 C

Criteria	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	23.64	123	0.1922	1.76	4.71	180

Criteria	Vg, code	Vb, V	T, C
SNR	800	66.76	-55.0

Graphic characteristics representation

SNR heatmap for T = -55.0 C

TR for T = -55.0 C. Vb = 66.7587

DCR dependence on V_g. T = -55.0 C

AP dependence on V_g. T = -55.0 C