SPD Datasheet

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QUANTUM SOLUTIONS

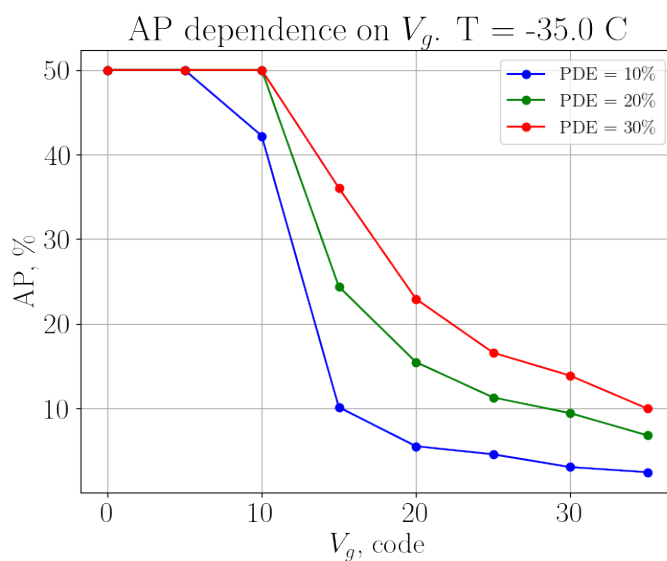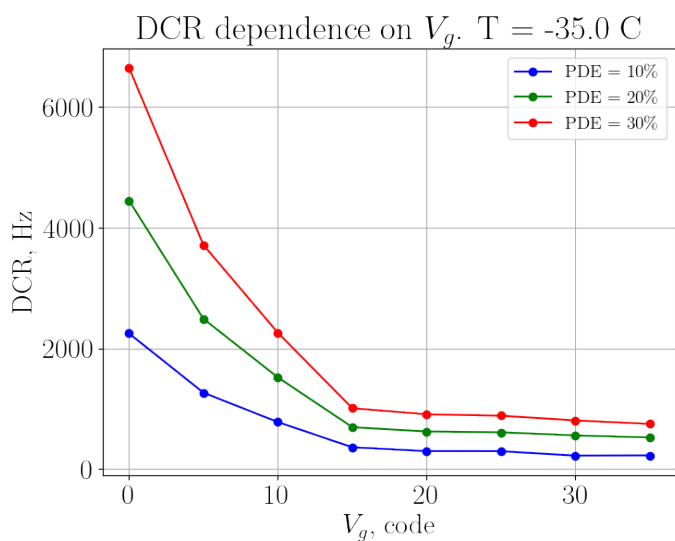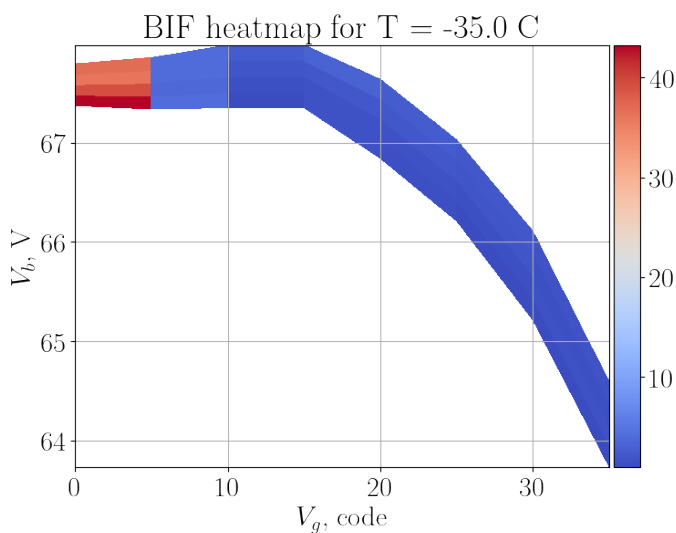SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -35.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	10.9	235	0.0464	3.29	1.87	1730	1.5

Criterion	Vg, code	Vb, V	T, C
SNR	30	65.44	-35.0

Graphic characteristics representation

SNR heatmap for T = -35.0 C

BIF heatmap for T = -35.0 C

DCR dependence on V_g. T = -35.0 C

AP dependence on V_g. T = -35.0 C

SPD Datasheet

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QUANTUM SOLUTIONS

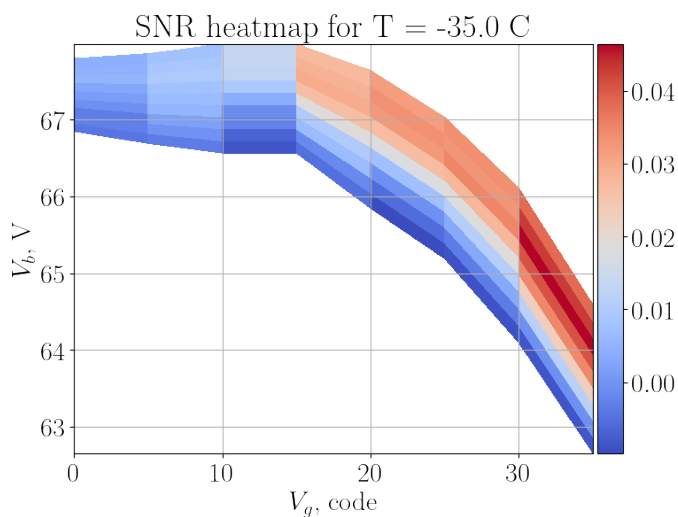SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -30.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	11.75	310	0.0379	2.37	1.95	1760	1.3

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.44	-30.0

Graphic characteristics representation
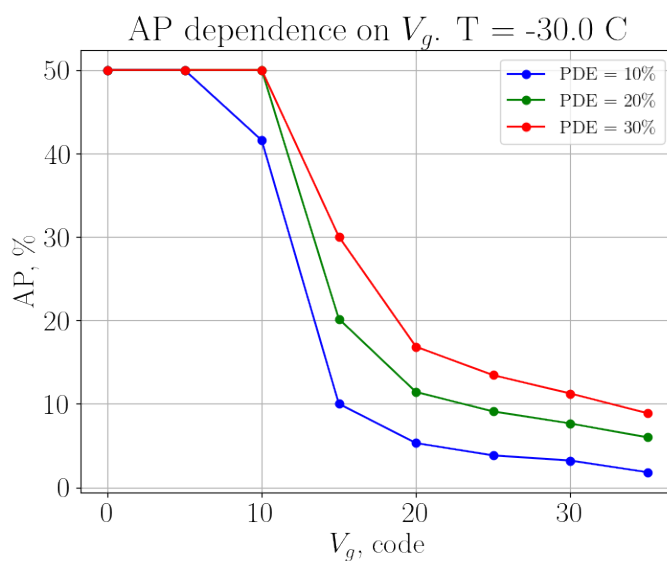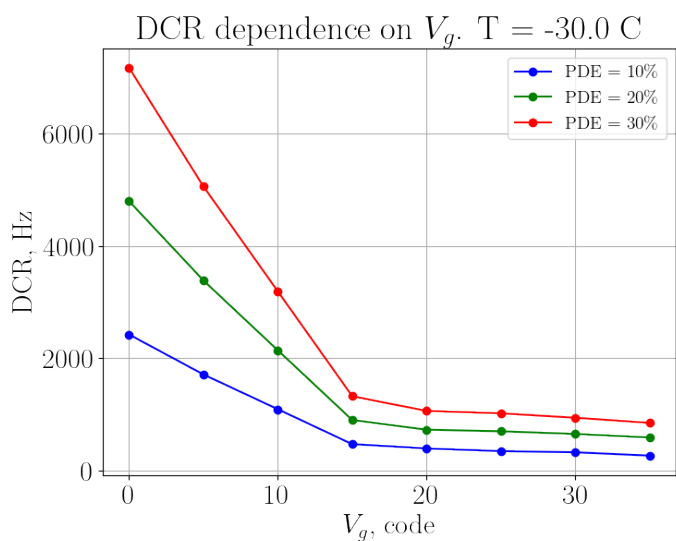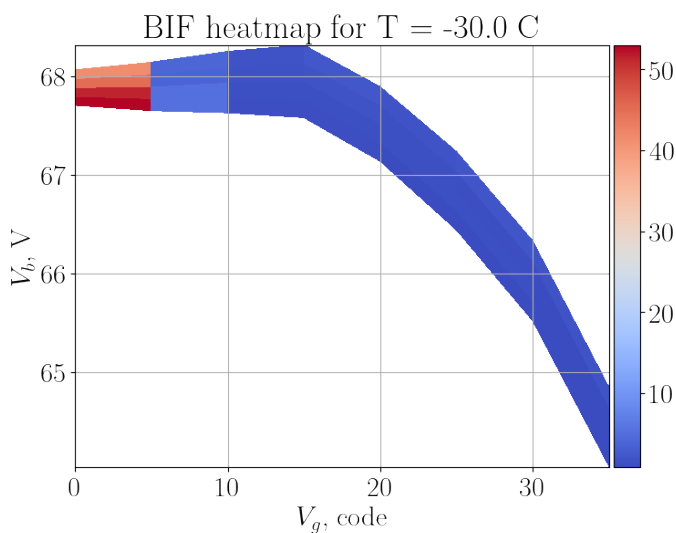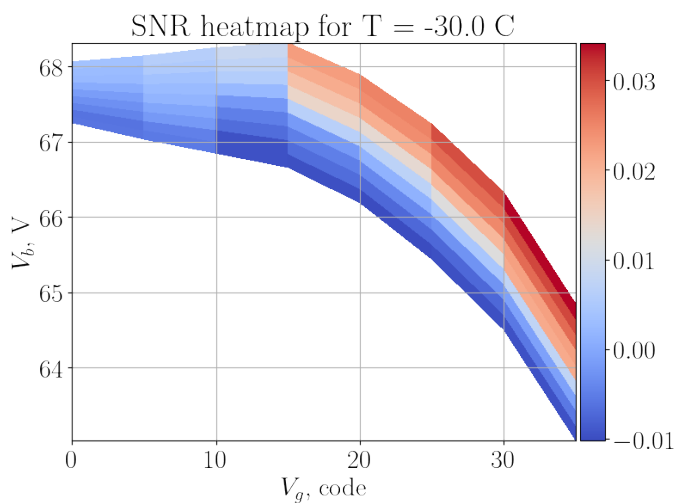
SNR heatmap for T = -30.0 C

BIF heatmap for T = -30.0 C

DCR dependence on V_g. T = -30.0 C

AP dependence on V_g. T = -30.0 C

SPD Datasheet

SPD type: gated **SPD Name: Alyonushka** **Date: 02.12.2021**

Optimal point **T = -25.0 C**

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	125.93	56	2.2488	14.58	1.5	890	66.0

Criterion	Vg, code	Vb, V	T, C
SNR	0	67.78	-25.0

Graphic characteristics representation
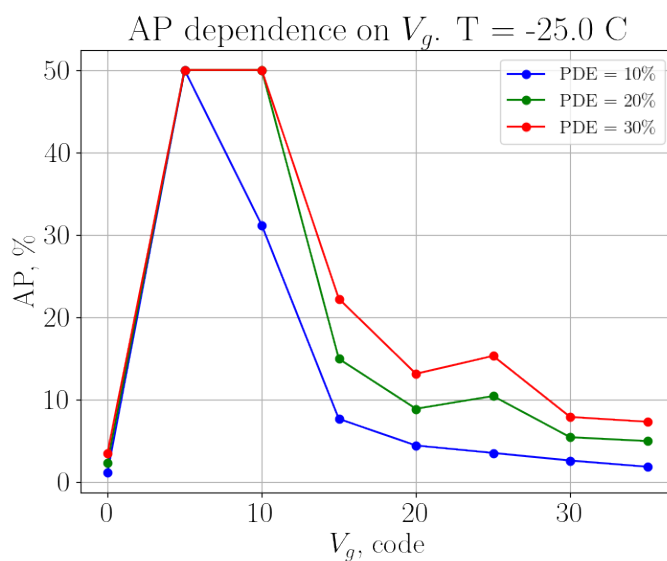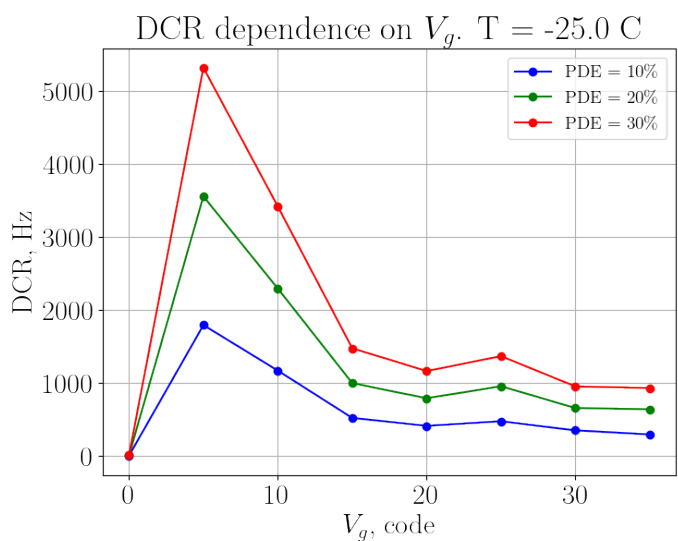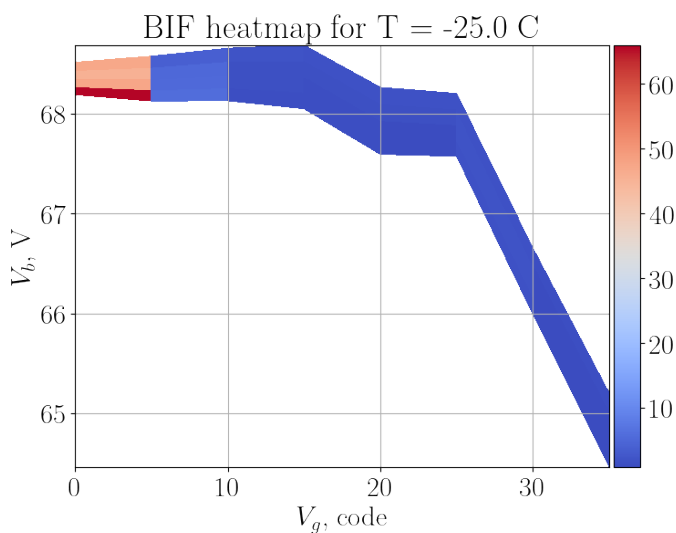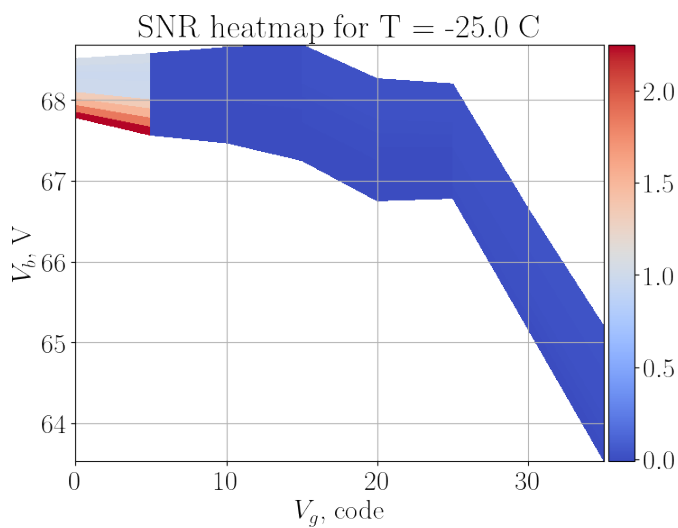
SNR heatmap for T = -25.0 C

BIF heatmap for T = -25.0 C

DCR dependence on V_g. T = -25.0 C

AP dependence on V_g. T = -25.0 C

SPD Datasheet

QRATE
QUANTUM SOLUTIONS

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -35.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	9.57	95	0.1007	2.76	2.62	1660	1.3

Criterion	Vg, code	Vb, V	T, C
SNR	25	66.31	-35.0

Graphic characteristics representation
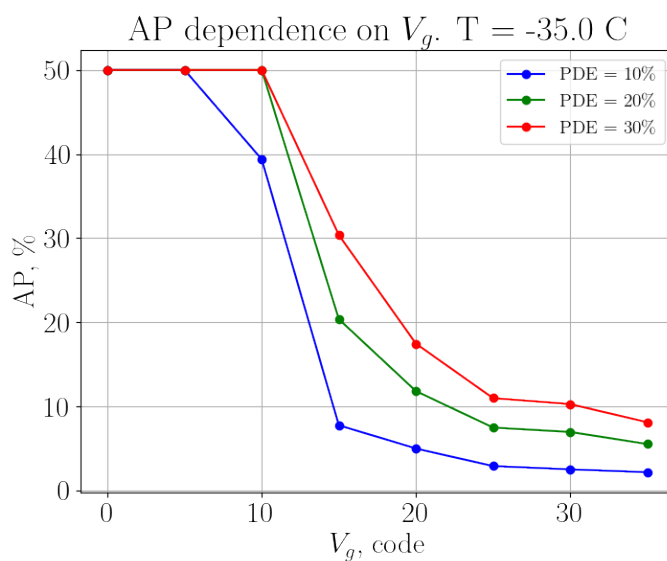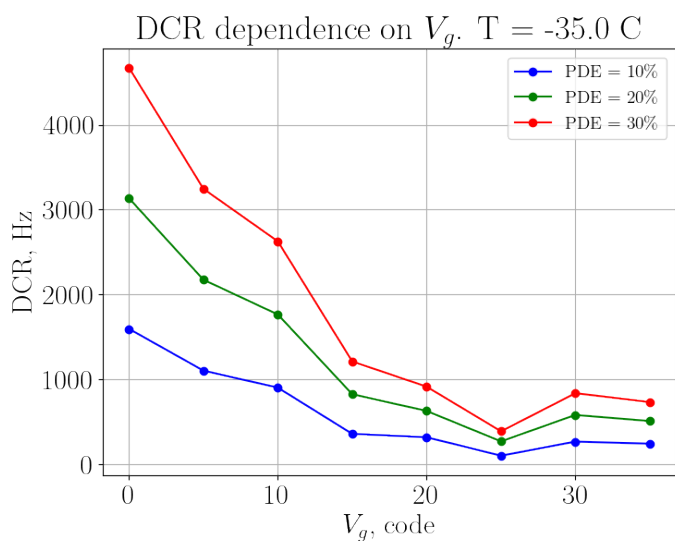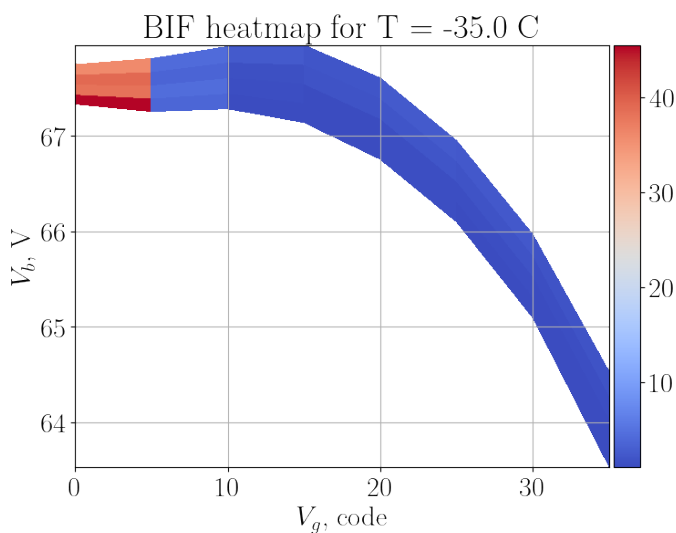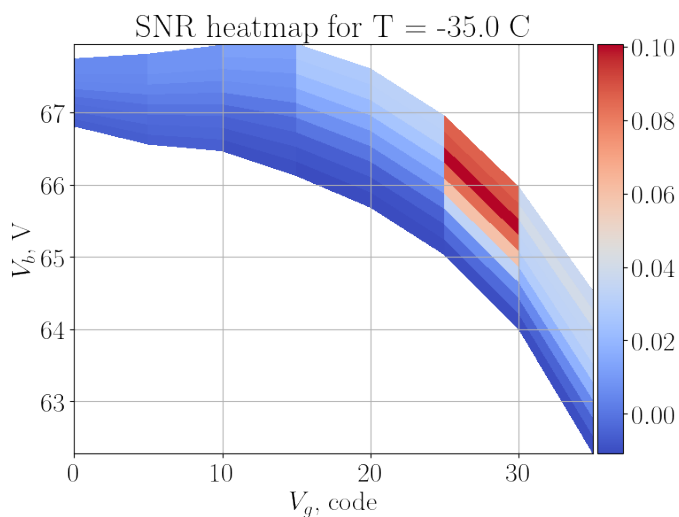
SNR heatmap for T = -35.0 C

BIF heatmap for T = -35.0 C

DCR dependence on V_g. T = -35.0 C

AP dependence on V_g. T = -35.0 C

SPD Datasheet

QRATE
QUANTUM SOLUTIONS

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -30.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	11.93	293	0.0407	2.06	2.51	1770	1.3

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.39	-30.0

Graphic characteristics representation
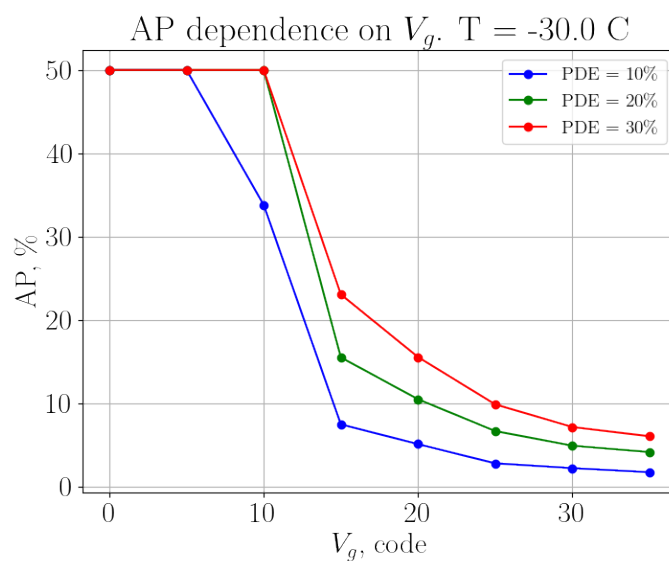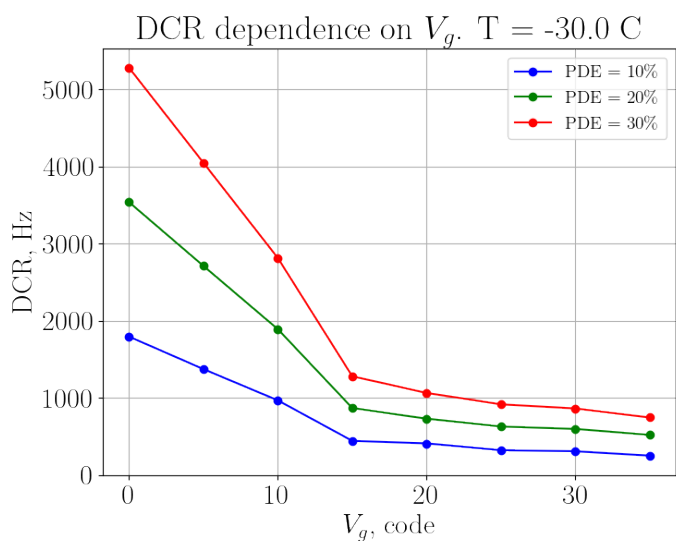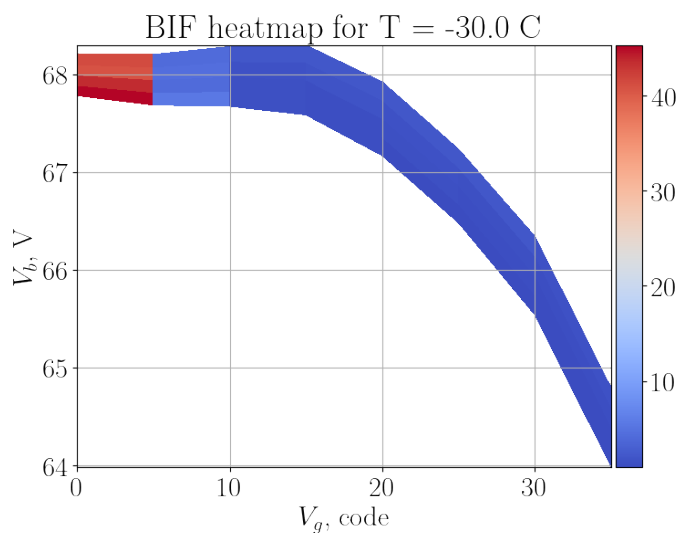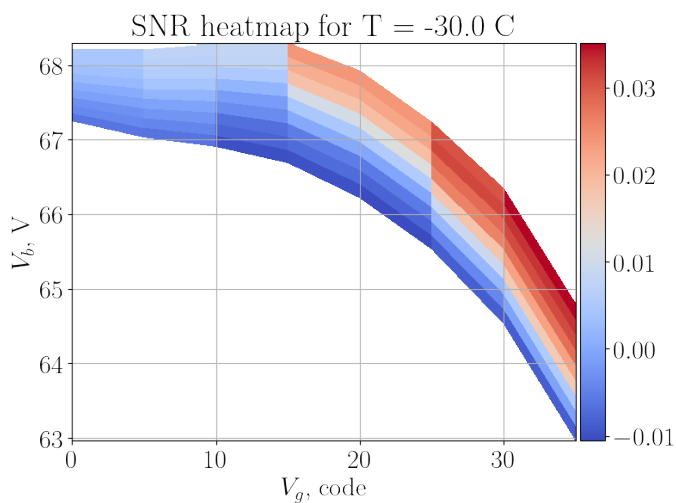
SPD Datasheet

QRATE
QUANTUM SOLUTIONS

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -25.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	6.34	7	0.8652	1.0	2.67	1540	0.8

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.41	-25.0

Graphic characteristics representation
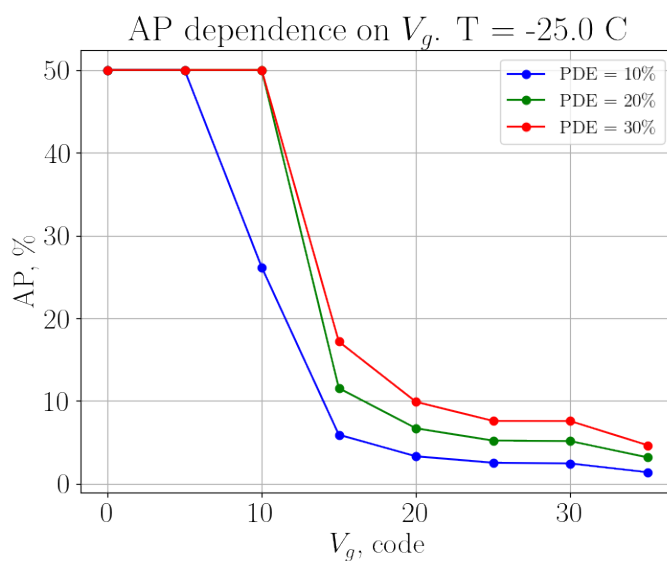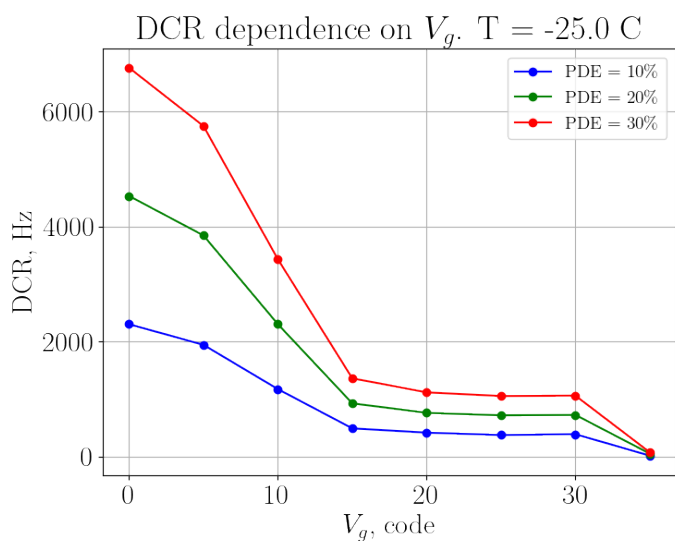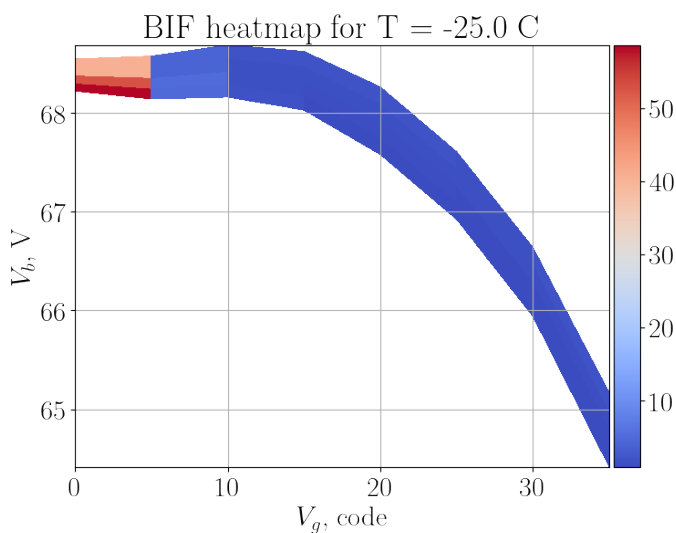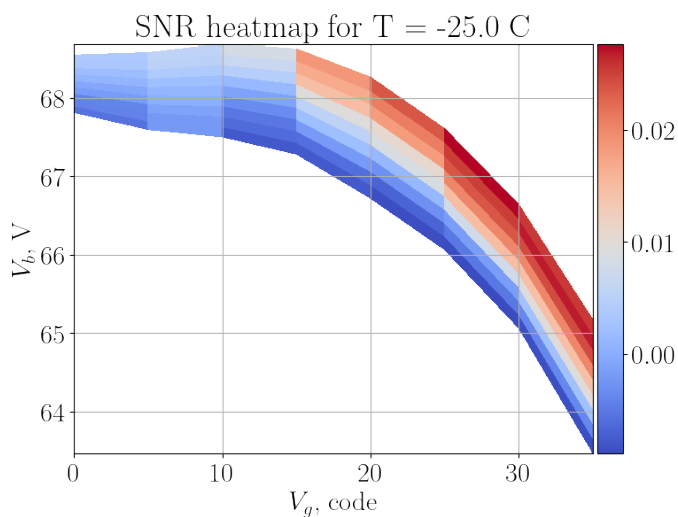
SNR heatmap for T = -25.0 C

BIF heatmap for T = -25.0 C

DCR dependence on V_g. T = -25.0 C

AP dependence on V_g. T = -25.0 C

SPD Datasheet

QRATE QUANTUM SOLUTIONS

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -35.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	11.01	244	0.0451	1.21	4.99	1740	1.1

Criterion	Vg, code	Vb, V	T, C
SNR	35	63.88	-35.0

Graphic characteristics representation
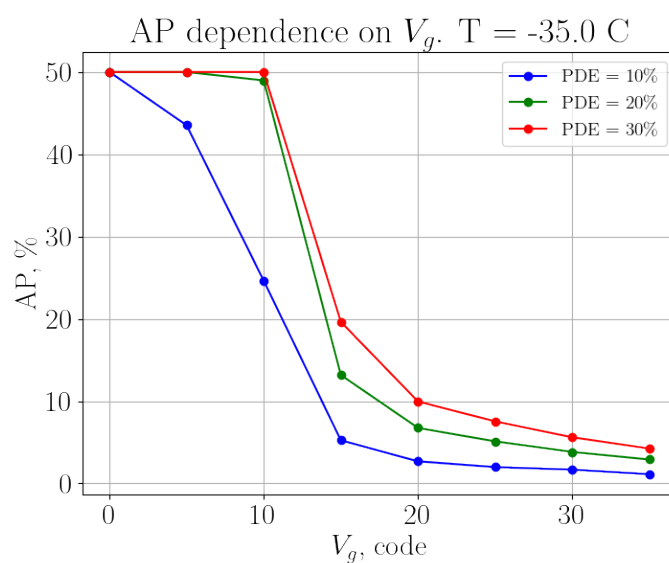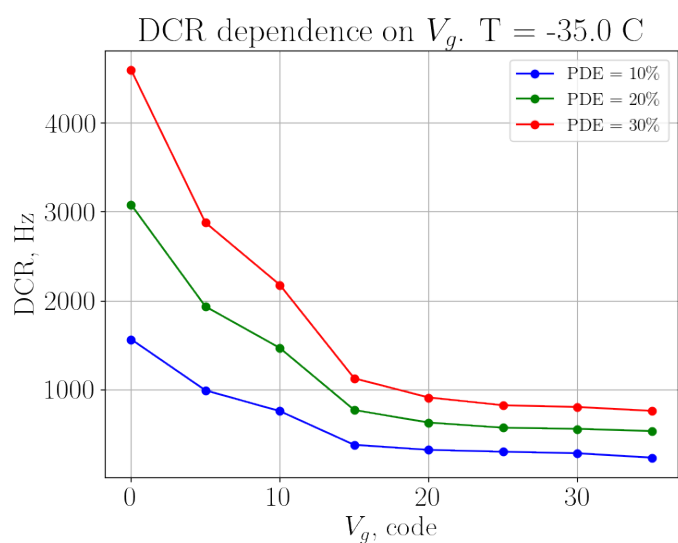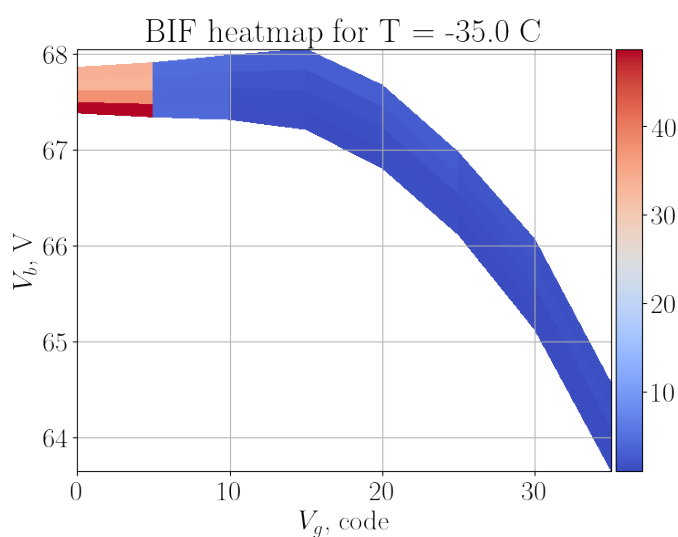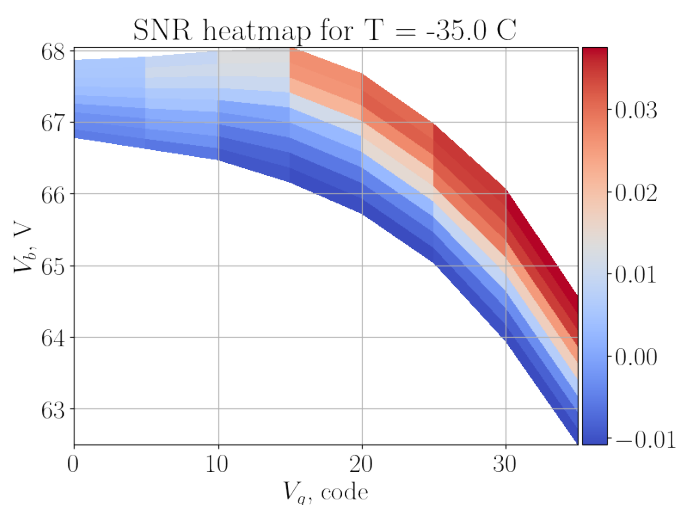
SNR heatmap for T = -35.0 C

BIF heatmap for T = -35.0 C

DCR dependence on V_g. T = -35.0 C

AP dependence on V_g. T = -35.0 C

SPD Datasheet

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -30.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	11.6	304	0.0382	1.12	4.99	1760	1.2

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.41	-30.0

Graphic characteristics representation
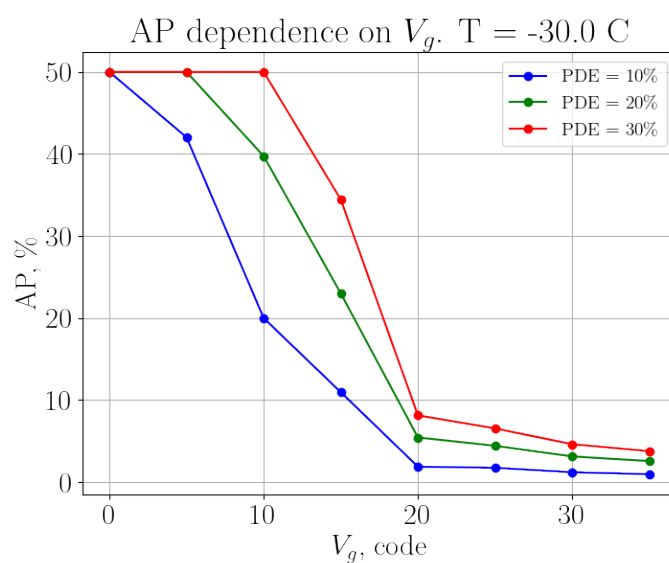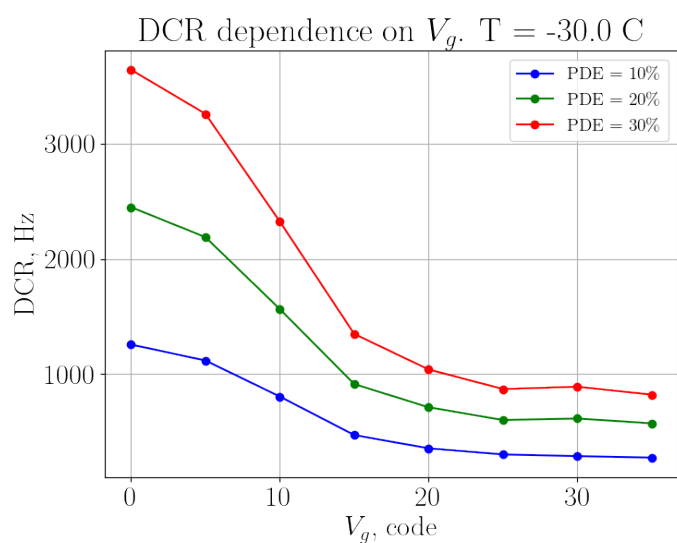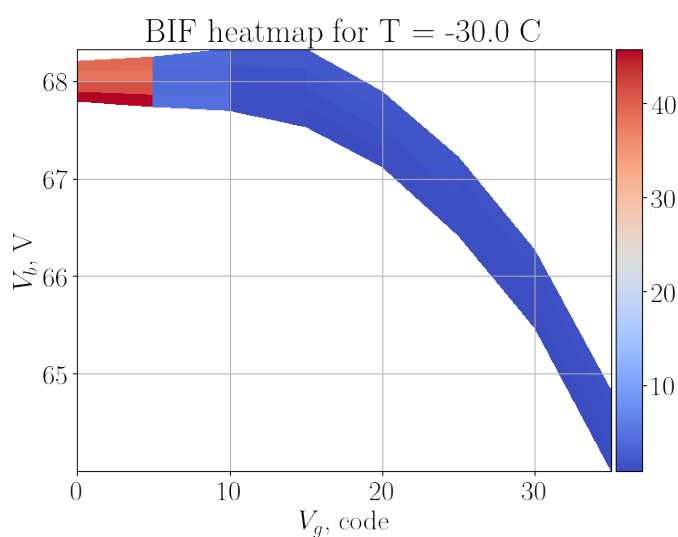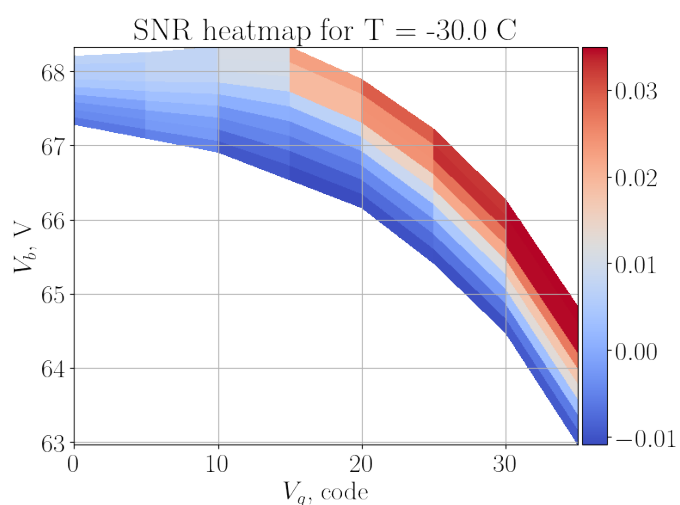
SNR heatmap for T = -30.0 C

BIF heatmap for T = -30.0 C

DCR dependence on V_g. T = -30.0 C

AP dependence on V_g. T = -30.0 C

SPD Datasheet

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -25.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	10.61	317	0.0335	0.88	5.01	1730	1.1

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.83	-25.0

Graphic characteristics representation
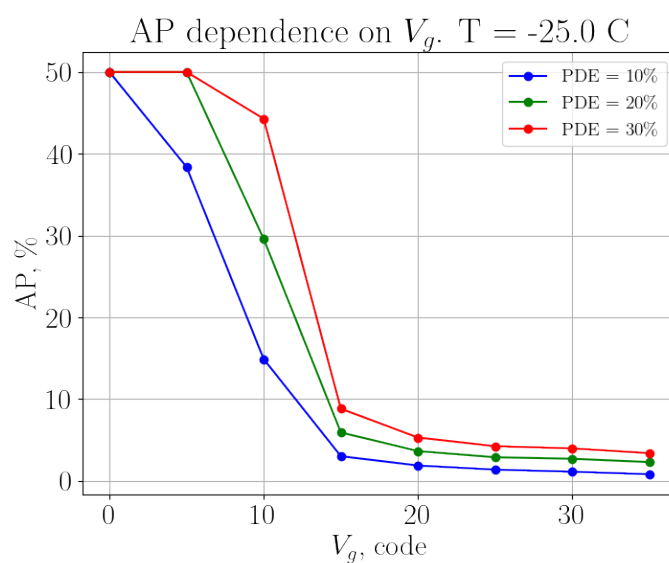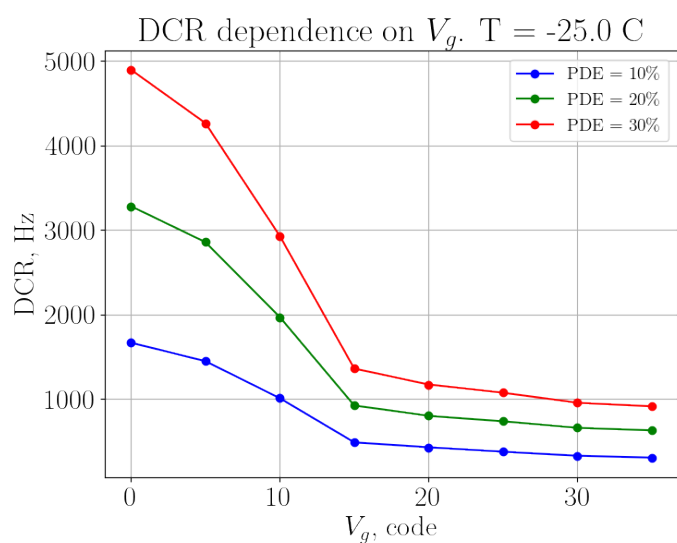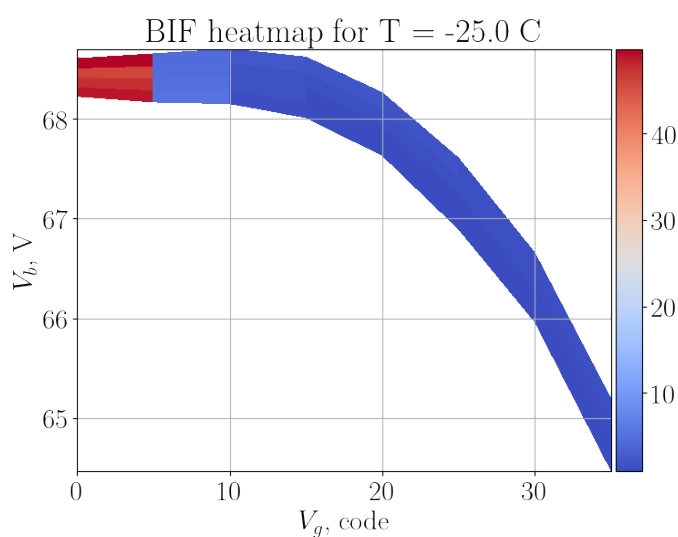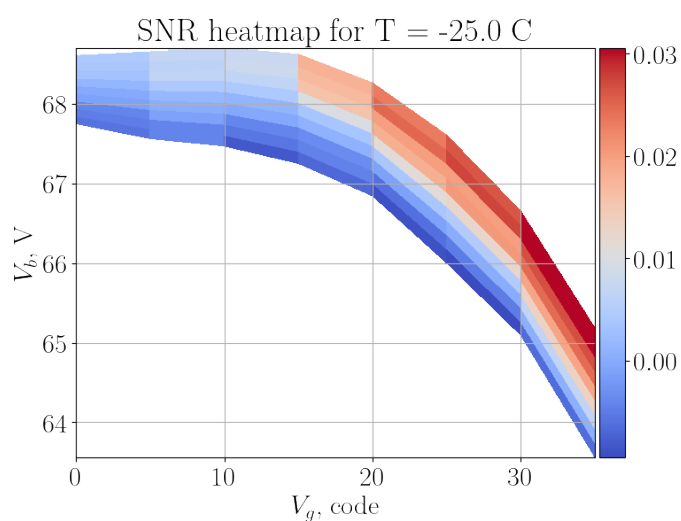
SNR heatmap for T = -25.0 C

BIF heatmap for T = -25.0 C

DCR dependence on V_g. T = -25.0 C

AP dependence on V_g. T = -25.0 C

SPD Datasheet

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -35.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	13.74	319	0.0431	1.07	7.07	1790	1.2

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.12	-35.0

Graphic characteristics representation
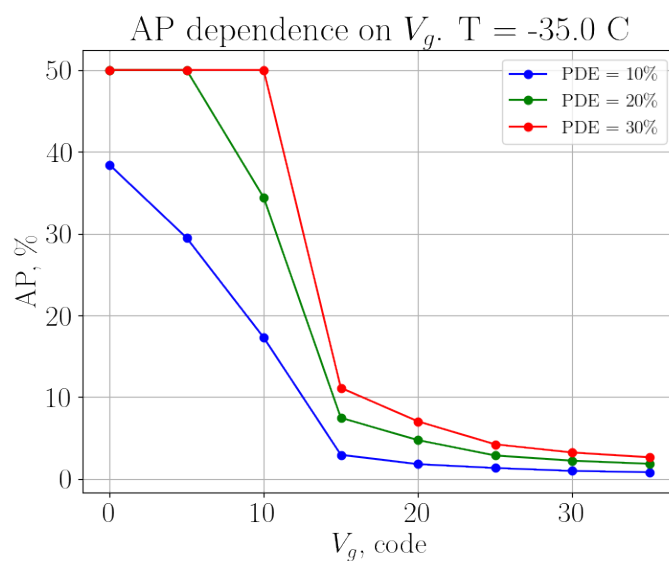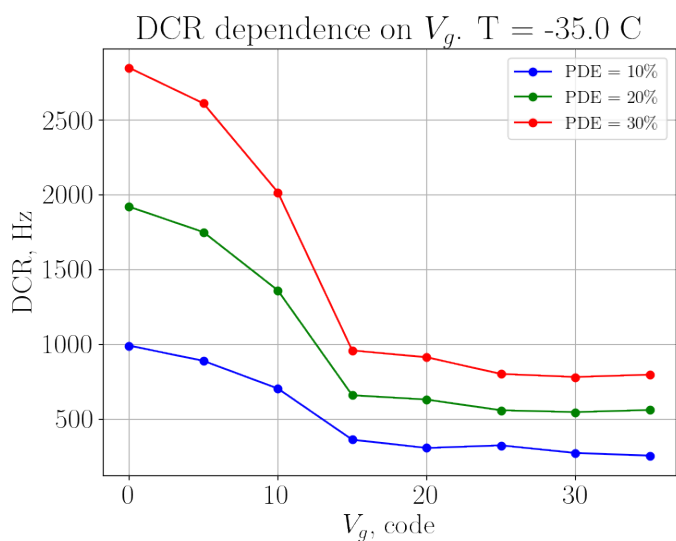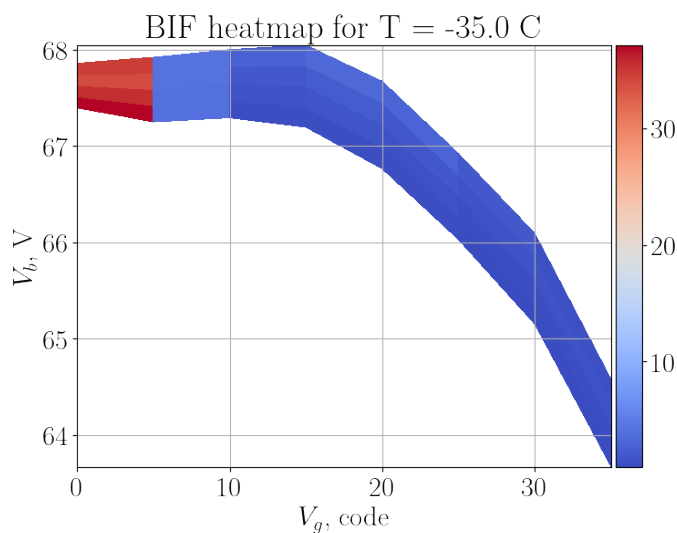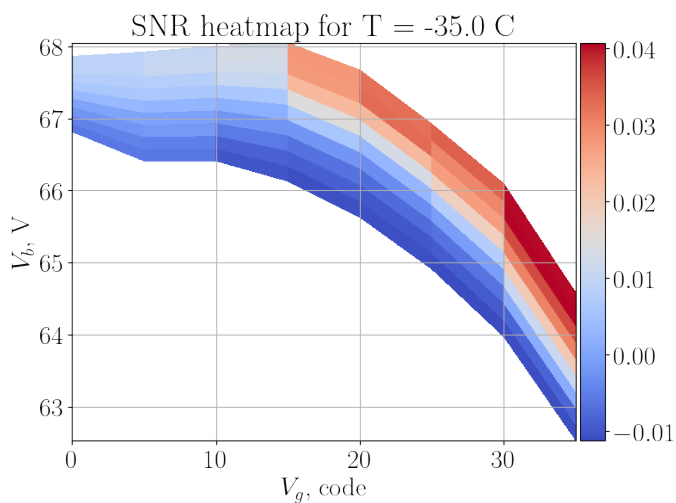
SPD Datasheet

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021

Optimal point   T = -30.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	12.57	318	0.0395	0.69	7.09	1710	1.1

Criterion	Vg, code	Vb, V	T, C
SNR	35	64.43	-30.0

Graphic characteristics representation
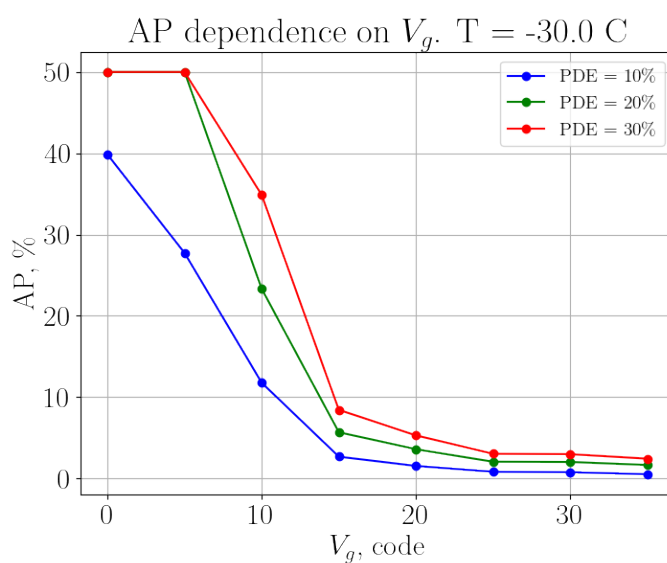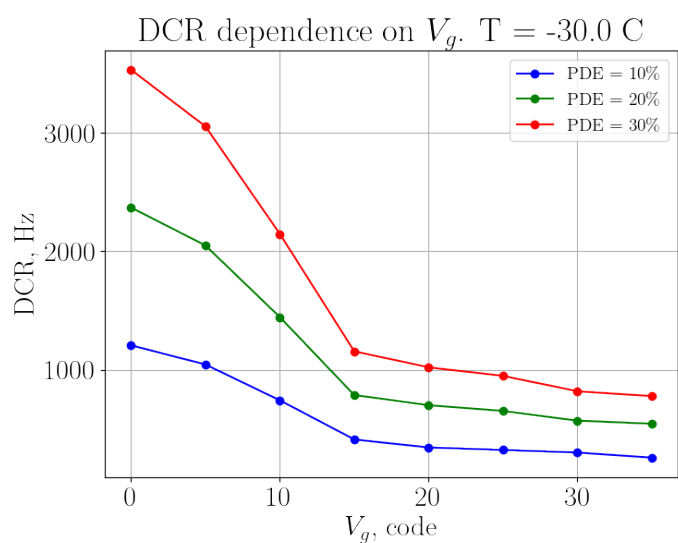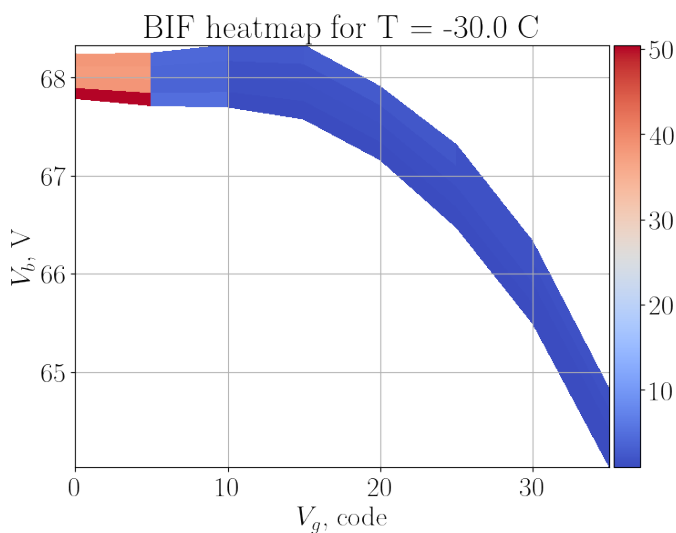
SNR heatmap for T = -30.0 C

BIF heatmap for T = -30.0 C

DCR dependence on V_g. T = -30.0 C

AP dependence on V_g. T = -30.0 C

SPD Datasheet

QRATE
QUANTUM SOLUTIONS

SPD type: gated   SPD Name: Alyonushka   Date: 02.12.2021
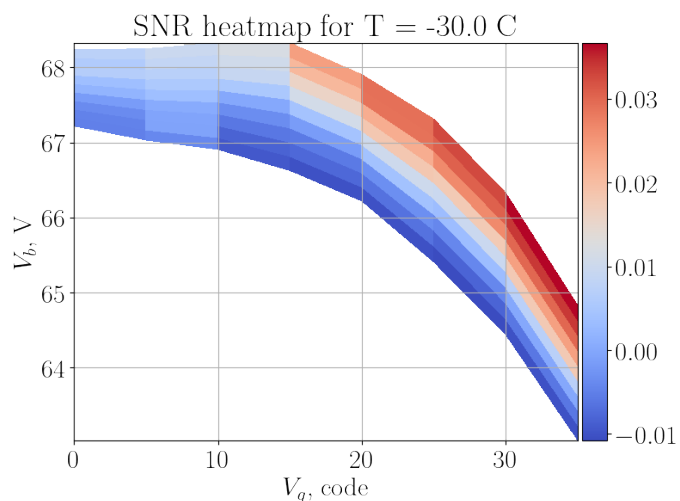
Optimal point   T = -25.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps	BIF, %
SNR	14.75	464	0.0318	0.85	7.08	1810	1.0

Criterion	Vg, code	Vb, V	T, C
SNR	35	65.14	-25.0

Graphic characteristics representation

SNR heatmap for T = -25.0 C

BIF heatmap for T = -25.0 C

DCR dependence on V_g. T = -25.0 C

AP dependence on V_g. T = -25.0 C