

SPD type: freerun

SPD Name: Feodosia

Date: 10.08.2021

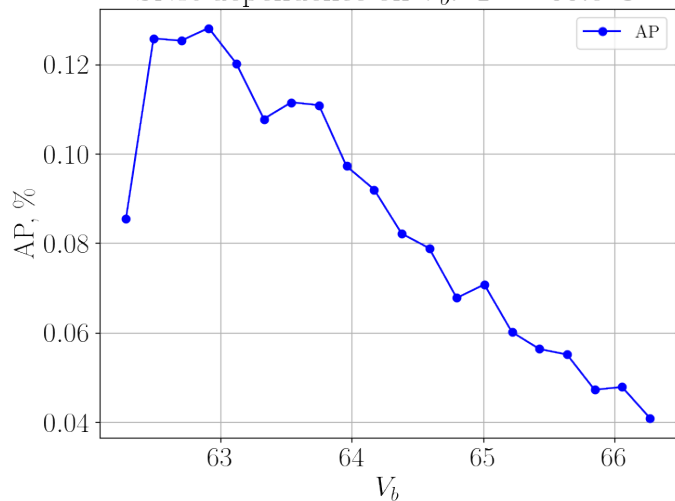
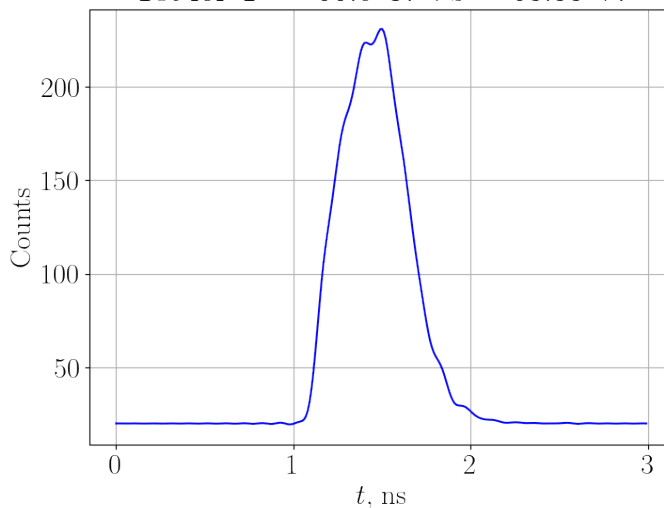
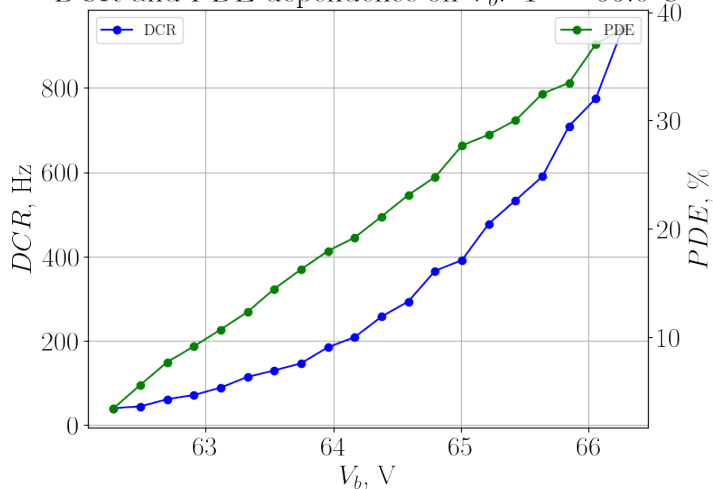
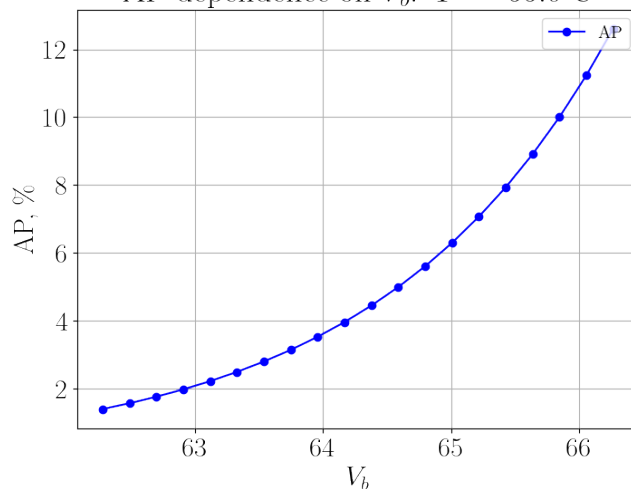
Optimal point

T = -55.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	9.14	71	0.1281	1.98	33.5	760

Criteria	Vg, code	Vb, V	T, C
SNR	0	62.91	-55.0

## Graphic characteristics representation

SNR dependence on  $V_b$ . T = -55.0 CTR for T = -55.0 C.  $V_b = 63.33$  V.DCR and PDE dependence on  $V_b$ . T = -55.0 CAP dependence on  $V_b$ . T = -55.0 C

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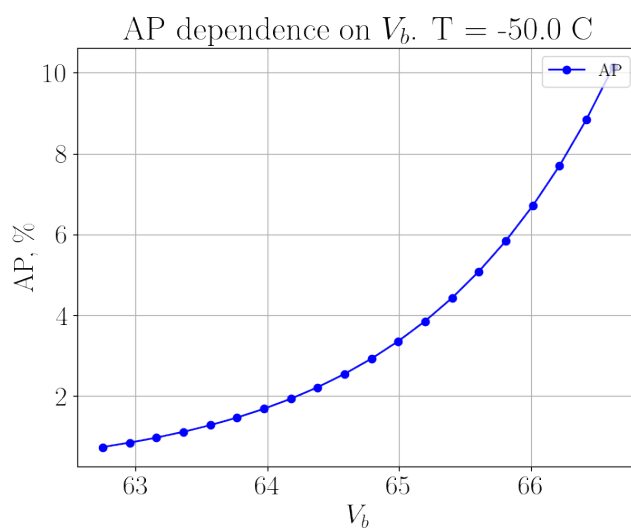
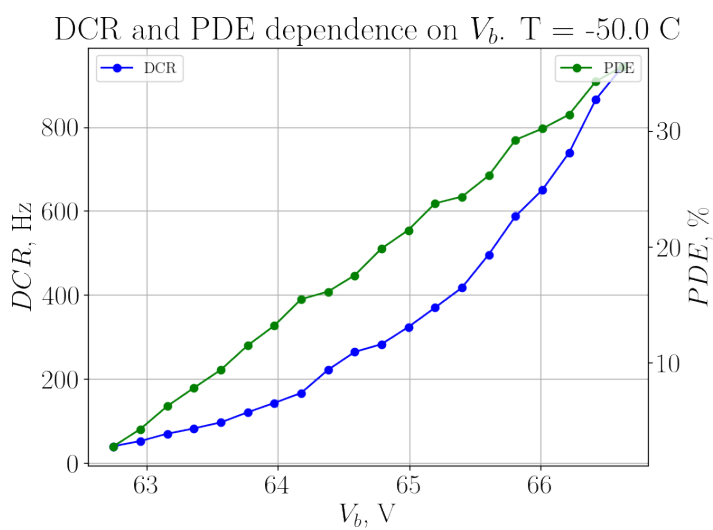
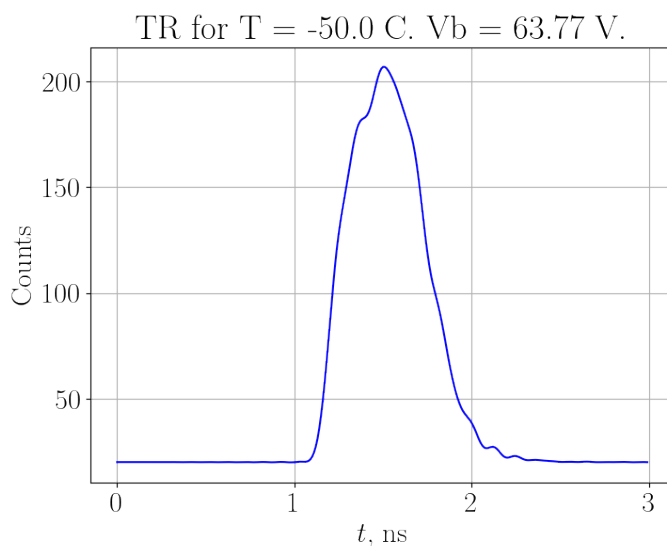
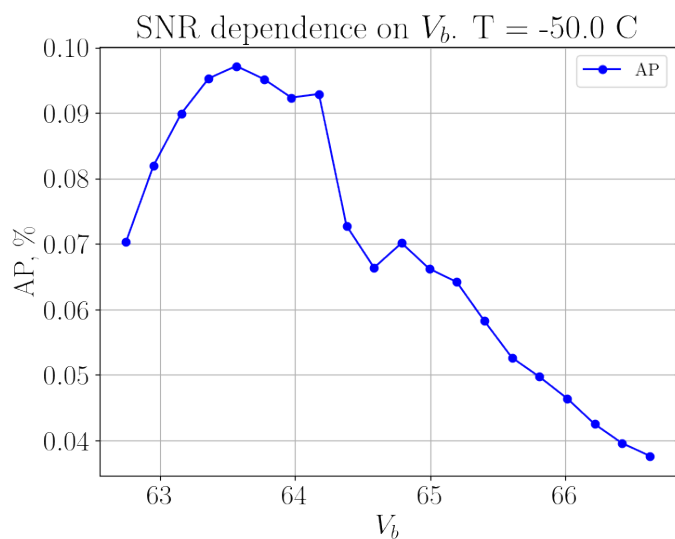
Optimal point

T = -50.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	9.39	97	0.0972	1.27	33.5	850

Criteria	Vg, code	Vb, V	T, C
SNR	0	63.57	-50.0

## Graphic characteristics representation



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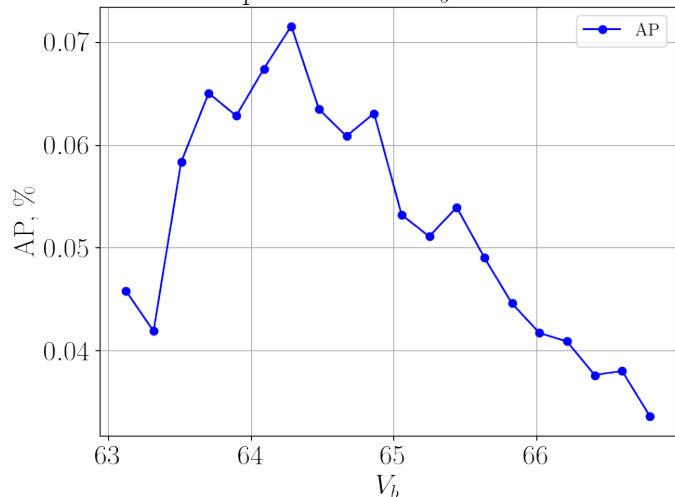
T = -45.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	11.38	159	0.0715	0.76	33.45	880

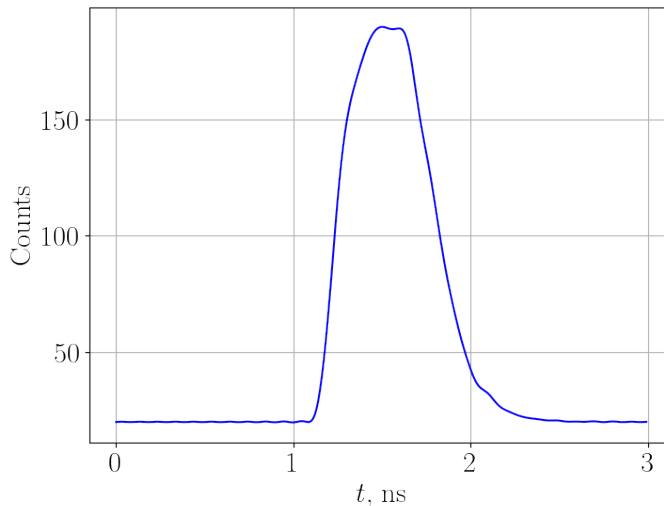
Criteria	Vg, code	Vb, V	T, C
SNR	0	64.28	-45.0

## Graphic characteristics representation

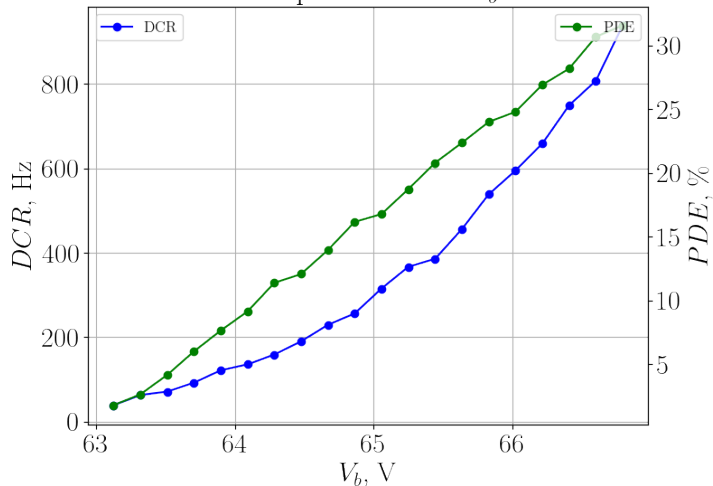
SNR dependence on  $V_b$ . T = -45.0 C



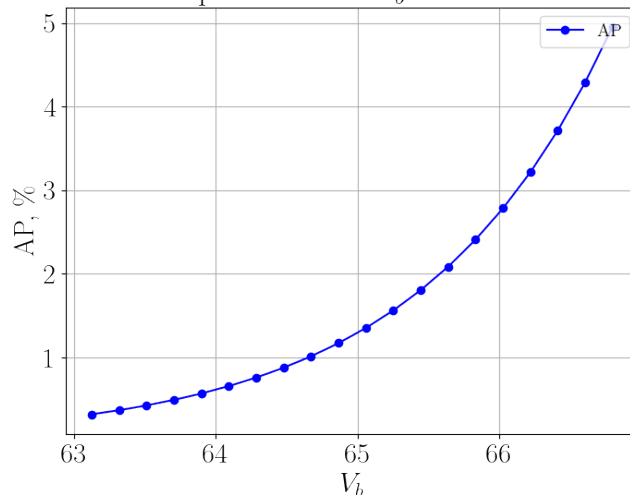
TR for T = -45.0 C. Vb = 64.28 V.



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



AP dependence on  $V_b$ . T = -45.0 C



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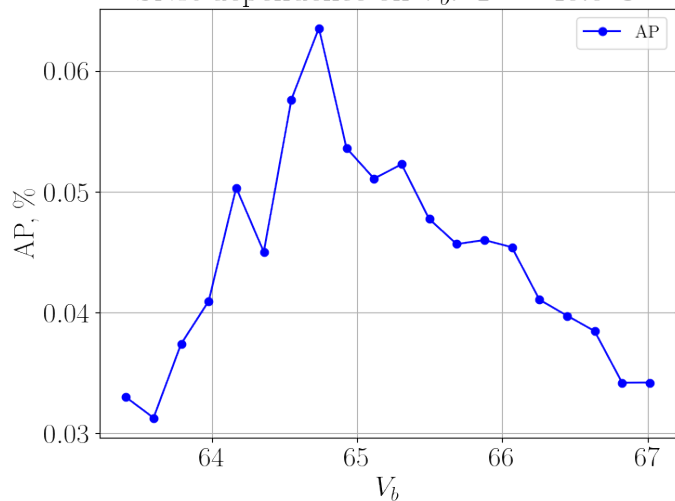
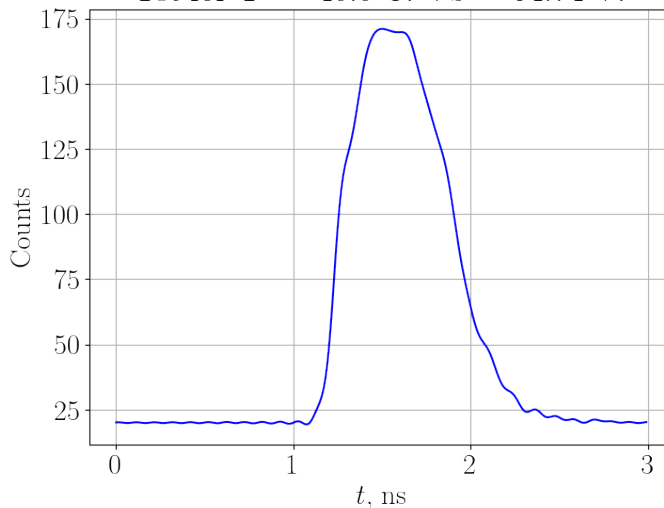
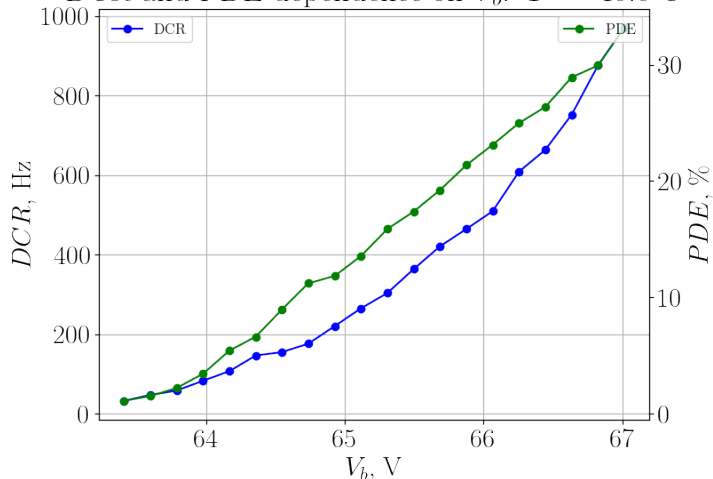
Optimal point

T = -40.0 C

Criterion	PDE, %	DCR, Hz	SNR	AP, %	DT, mus	TR, ps
SNR	11.2	176	0.0635	0.66	41.45	1000

Criteria	Vg, code	Vb, V	T, C
SNR	0	64.74	-40.0

## Graphic characteristics representation

SNR dependence on  $V_b$ . T = -40.0 CTR for T = -40.0 C.  $V_b = 64.74$  V.DCR and PDE dependence on  $V_b$ . T = -40.0 CAP dependence on  $V_b$ . T = -40.0 C