

SPD type: freerun

SPD Name: AGAFIA

Date: 08.06.2021

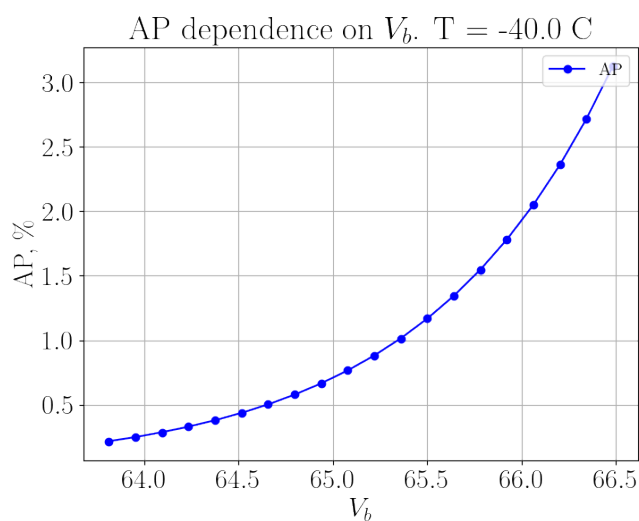
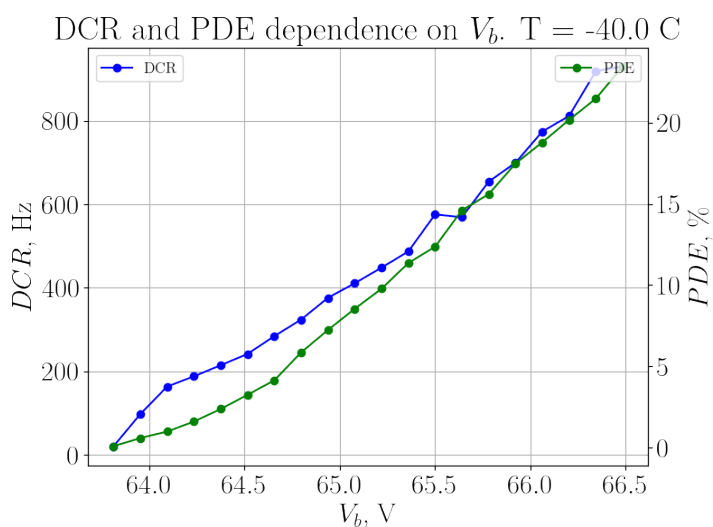
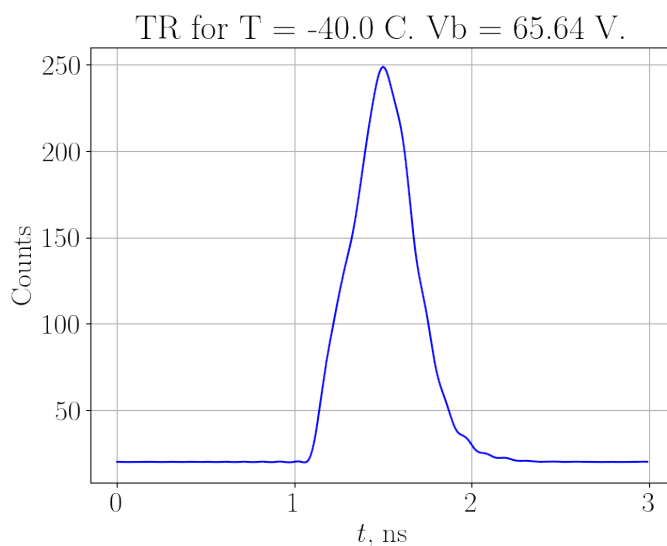
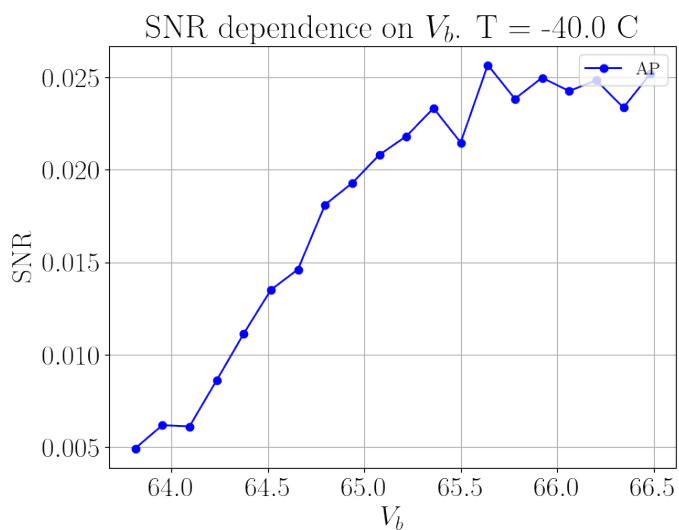
Optimal point

T = -40.0 C

| Criterion | PDE, % | DCR, Hz | SNR    | AP, % | DT, mus | TR, ps |
|-----------|--------|---------|--------|-------|---------|--------|
| SNR       | 14.6   | 569     | 0.0257 | 1.34  | 39.3    | 770    |

| Criteria | Vg, code | Vb, V | T, C  |
|----------|----------|-------|-------|
| SNR      | 0        | 65.64 | -40.0 |

## Graphic characteristics representation



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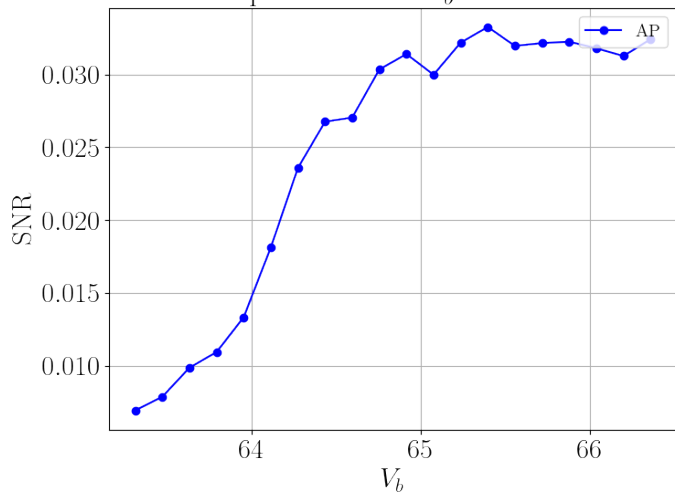
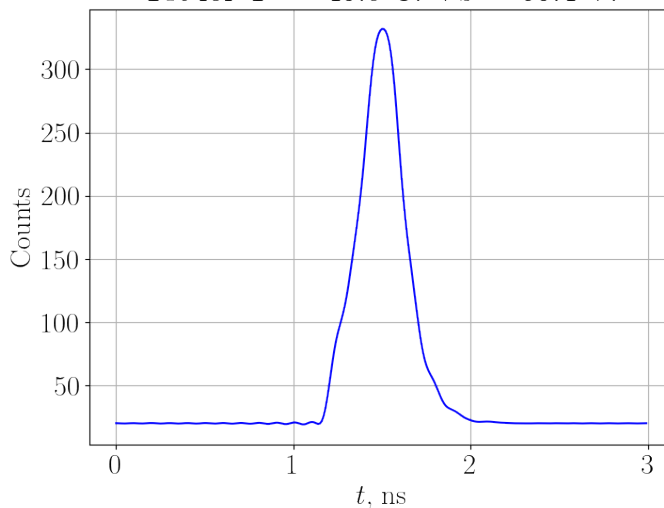
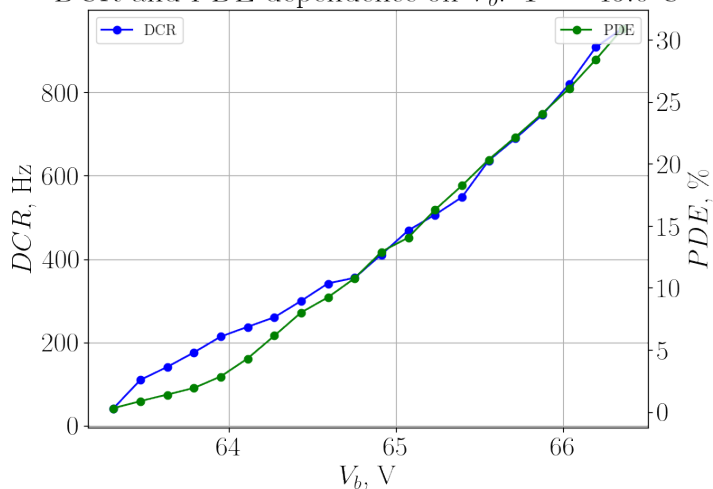
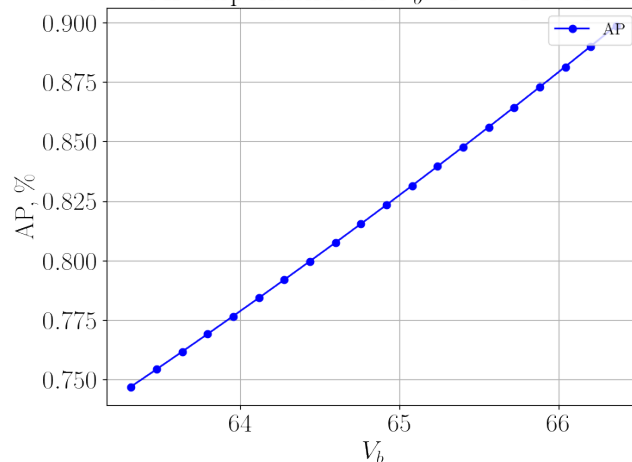
Optimal point

T = -45.0 C

| Criterion | PDE, % | DCR, Hz | SNR    | AP, % | DT, mus | TR, ps |
|-----------|--------|---------|--------|-------|---------|--------|
| SNR       | 18.24  | 548     | 0.0333 | 0.85  | 45.85   | 600    |

| Criteria | V <sub>g</sub> , code | V <sub>b</sub> , V | T, C  |
|----------|-----------------------|--------------------|-------|
| SNR      | 0                     | 65.4               | -45.0 |

## Graphic characteristics representation

SNR dependence on V<sub>b</sub>. T = -45.0 CTR for T = -45.0 C. V<sub>b</sub> = 65.4 V.DCR and PDE dependence on V<sub>b</sub>. T = -45.0 CAP dependence on V<sub>b</sub>. T = -45.0 C

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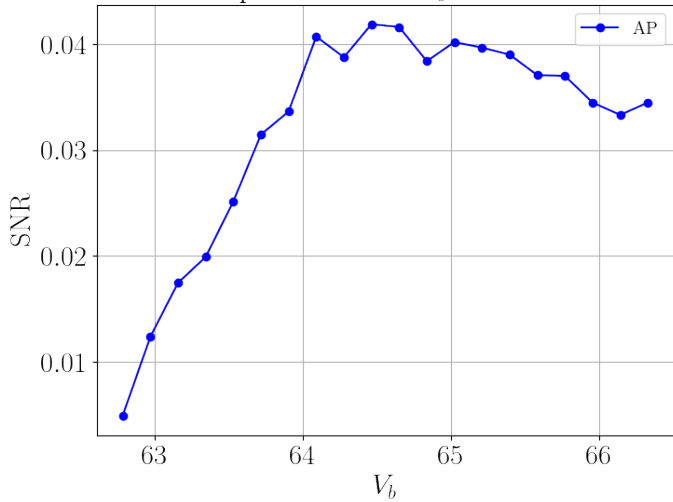
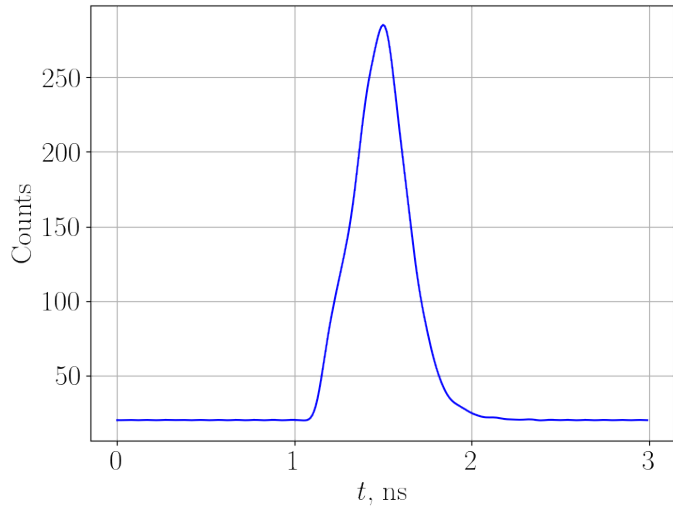
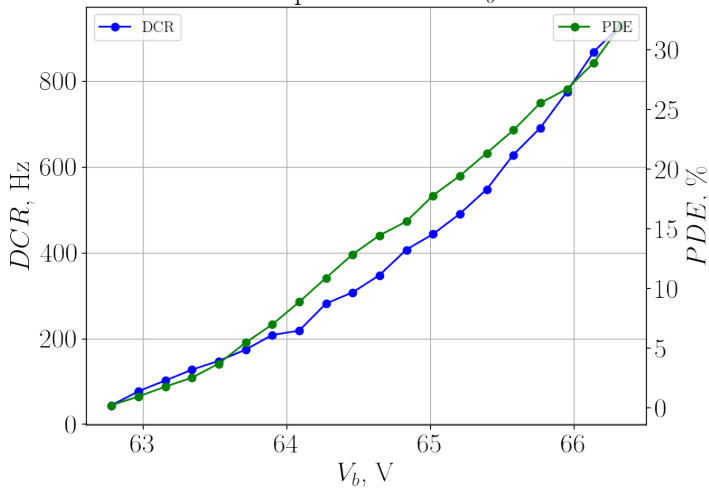
Optimal point

T = -50.0 C

| Criterion | PDE, % | DCR, Hz | SNR    | AP, % | DT, mus | TR, ps |
|-----------|--------|---------|--------|-------|---------|--------|
| SNR       | 12.85  | 307     | 0.0419 | 3.06  | 37.4    | 680    |

| Criteria | Vg, code | Vb, V | T, C  |
|----------|----------|-------|-------|
| SNR      | 0        | 64.46 | -50.0 |

## Graphic characteristics representation

SNR dependence on  $V_b$ . T = -50.0 CTR for T = -50.0 C.  $V_b = 64.65$  V.DCR and PDE dependence on  $V_b$ . T = -50.0 CAP dependence on  $V_b$ . T = -50.0 C