For radiographers using gamma rays, the table below provides a good starting point to explore the use of Carestream NDT's DDAs:

| **Digital R Factor for HPX-DR 3543 PE** | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Pixel Intensity Desired** | | | | | | |
| Source Type | 3000 | 6000 | 9000 | 12000 | 15000 | 18000 | 21000 |
| Iridium | 0.0112 | 0.0237 | 0.0366 | 0.0499 | 0.0635 | 0.0775 | 0.0918 |
| Selenium | 0.0011 | 0.0072 | 0.0113 | 0.0195 | 0.0258 | 0.0321 | 0.0384 |
| Cobalt | 0.0224 | 0.0529 | 0.0838 | 0.1151 | 0.1467 | 0.1787 | 0.2110 |
| **Digital R Factor for HPX-DR 2530 PC** | | | | | | | |
| | **Pixel Intensity Desired** | | | | | | |
| Source Type | 3000 | 6000 | 9000 | 12000 | 15000 | 18000 | 21000 |
| Iridium | 0.0084 | 0.0205 | 0.0328 | 0.0452 | 0.0577 | 0.0702 | 0.0829 |
| Selenium | 0.0021 | 0.0082 | 0.0144 | 0.0207 | 0.0270 | 0.0334 | 0.0399 |
| Cobalt | 0.0161 | 0.0434 | 0.0708 | 0.0984 | 0.1263 | 0.1542 | 0.1824 |
| **Digital R Factor for HPX-DR 2530 PH *** | | | | | | | |
| | **Pixel Intensity Desired** | | | | | | |
| Source Type | 3000 | 6000 | 9000 | 12000 | 15000 | 18000 | 21000 |
| Iridium | 0.0183 | 0.0423 | 0.0663 | 0.0904 | 0.1144 | 0.1385 | 0.1625 |
| Selenium | 0.0070 | 0.0190 | 0.0311 | 0.0431 | 0.0552 | 0.0673 | 0.0794 |
| Cobalt | 0.0586 | 0.1187 | 0.1788 | 0.2390 | 0.2993 | 0.3596 | 0.4199 |

*Note: The 2530 PH R factors can also be utilized for the HPX-DR 4336 GH (amplification gain setting of 4)

Table 1: Digital R Factor for Carestream's DDAs

Adapted from White, B., Presentation "Exposure Guidance and the Myth of Pixel Value Dependence for Digital Detector Array Radiography" 20th World Conference, 2020. [8]