|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NSB or MVDR** | **Main Lobe Divergence**  **Δθ0 [deg]** | | | | **Null Divergence**  **(Δθ1, Δθ2, Δθ3, Δθ4, Δθ5) [deg]** | | | | **SINR [dB]** | | | | **SLL [dB]** | | | |
| **SNR = –10 dB** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** |
| *δ* = 6 deg | 0 | 1,7 | 0,376 | 0,23 | 0 | 6,2 | 1,203 | 0,862 | 3,14 | 3,186 | 3,153 | 0,009 | 21,938 | 22,513 | 22,121 | 0,121 |
| *δ* = 8 deg | 0 | 1 | 0,336 | 0,117 | 0 | 12,1 | 1,411 | 1,071 | 3,14 | 3,167 | 3,156 | 0,007 | 21,938 | 22,549 | 22,267 | 0,177 |
| *δ* = 10 deg | 0,1 | 0,9 | 0,318 | 0,101 | 0 | 12,1 | 1,203 | 1,235 | 3,14 | 3,17 | 3,155 | 0,006 | 21,942 | 22,478 | 22,2 | 0,117 |
| *δ* = 12 deg | 0,2 | 0,6 | 0,308 | 0,05 | 0 | 12,1 | 1,516 | 1,194 | 3,14 | 3,166 | 3,152 | 0,004 | 21,952 | 22,416 | 22,183 | 0,097 |
| *δ* = 14 deg | 0,2 | 0,4 | 0,301 | 0,043 | 0 | 12,1 | 1,541 | 1,185 | 3,149 | 3,163 | 3,155 | 0,003 | 22,011 | 22,419 | 22,264 | 0,092 |
| *δ* = 16 deg | 0,2 | 0,4 | 0,302 | 0,033 | 0 | 12,1 | 1,572 | 1,206 | 3,148 | 3,158 | 3,152 | 0,002 | 22,018 | 22,344 | 22,203 | 0,065 |
| **SNR = 0 dB** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** |
| *δ* = 6 deg | 0 | 2,9 | 0,299 | 0,322 | 0 | 10,7 | 1,787 | 1,2 | 12,706 | 13,109 | 12,883 | 0,073 | 21,959 | 30,538 | 25,536 | 2,29 |
| *δ* = 8 deg | 0 | 0,8 | 0,273 | 0,122 | 0 | 12,1 | 1,424 | 1,238 | 12,703 | 13,097 | 12,881 | 0,135 | 21,942 | 30,862 | 26,202 | 2,987 |
| *δ* = 10 deg | 0 | 0,8 | 0,306 | 0,113 | 0 | 12,1 | 1,131 | 1,234 | 12,692 | 13,12 | 12,793 | 0,086 | 21,952 | 31,165 | 28,073 | 1,958 |
| *δ* = 12 deg | 0,1 | 0,7 | 0,246 | 0,086 | 0 | 12,1 | 1,446 | 1,258 | 12,699 | 13,041 | 12,863 | 0,096 | 21,962 | 31,192 | 25,6 | 2,809 |
| *δ* = 14 deg | 0,1 | 0,5 | 0,264 | 0,079 | 0 | 12,1 | 1,456 | 1,224 | 12,733 | 13,043 | 12,845 | 0,113 | 21,963 | 29,692 | 26,433 | 3,021 |
| *δ* = 16 deg | 0 | 0,4 | 0,288 | 0,068 | 0 | 12,1 | 1,55 | 1,198 | 12,722 | 13,036 | 12,781 | 0,09 | 21,942 | 29,729 | 27,757 | 2,306 |
| **SNR = 10 dB** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** |
| *δ* = 6 deg | 0 | 3 | 0,31 | 0,335 | 0 | 12 | 1,999 | 1,434 | 22,417 | 23,106 | 22,77 | 0,166 | 21,948 | 38,071 | 26,918 | 4,48 |
| *δ* = 8 deg | 0 | 0,8 | 0,272 | 0,129 | 0 | 12,1 | 1,51 | 1,24 | 22,423 | 23,088 | 22,746 | 0,263 | 21,939 | 37,312 | 27,639 | 4,802 |
| *δ* = 10 deg | 0 | 0,9 | 0,317 | 0,124 | 0 | 12,1 | 1,185 | 1,2 | 22,409 | 23,123 | 22,554 | 0,166 | 21,975 | 38,442 | 33,302 | 4,255 |
| *δ* = 12 deg | 0 | 0,8 | 0,248 | 0,098 | 0 | 12,1 | 1,468 | 1,264 | 22,434 | 23,093 | 22,729 | 0,208 | 21,946 | 38,309 | 28,141 | 5,962 |
| *δ* = 14 deg | 0,1 | 0,5 | 0,254 | 0,081 | 0 | 12,1 | 1,456 | 1,224 | 22,45 | 23,026 | 22,704 | 0,238 | 21,943 | 38,123 | 29,736 | 6,549 |
| *δ* = 16 deg | 0 | 0,4 | 0,286 | 0,074 | 0 | 12,1 | 1,521 | 1,197 | 22,434 | 22,999 | 22,555 | 0,168 | 21,951 | 39,003 | 33,854 | 4,952 |
| **SNR = 20 dB** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** | **Min** | **Max** | **Mean** | **Std** |
| *δ* = 6 deg | 0 | 3 | 0,317 | 0,335 | 0 | 12,1 | 1,992 | 1,463 | 32,231 | 33,103 | 32,722 | 0,228 | 21,955 | 30,973 | 25,418 | 2,278 |
| *δ* = 8 deg | 0 | 0,9 | 0,28 | 0,146 | 0 | 12,1 | 1,536 | 1,245 | 32,25 | 33,086 | 32,669 | 0,313 | 21,941 | 32,042 | 25,953 | 2,613 |
| *δ* = 10 deg | 0 | 0,9 | 0,319 | 0,127 | 0 | 12,1 | 1,193 | 1,197 | 32,27 | 33,121 | 32,399 | 0,218 | 21,972 | 31,632 | 28,313 | 2,045 |
| *δ* = 12 deg | 0 | 0,8 | 0,269 | 0,108 | 0 | 12,1 | 1,469 | 1,246 | 32,252 | 33,096 | 32,6 | 0,275 | 21,941 | 32,009 | 25,961 | 2,996 |
| *δ* = 14 deg | 0,1 | 0,5 | 0,255 | 0,088 | 0 | 12,1 | 1,469 | 1,251 | 32,266 | 33,023 | 32,6 | 0,322 | 21,941 | 31,429 | 26,366 | 3,476 |
| *δ* = 16 deg | 0 | 0,5 | 0,288 | 0,087 | 0 | 12,1 | 1,537 | 1,197 | 32,238 | 32,996 | 32,387 | 0,242 | 21,947 | 32,1 | 28,759 | 2,869 |