PTQ CRDNN

Test clean

|  | Loss | CER | WER |
| --- | --- | --- | --- |
| Original | 1.17 | 1.19 | 3.16 |
| 8 bit MAX | 1.19 | 1.45 | 3.58 |
| 8 bit MSE | 1.20 | 1.57 | 3.73 |
| 8 bit QAT MAX |  |  |  |
| 8 bit Stohastic MAX | 1.26 | 1.98 | 4.59 |
| W8A4 MAX |  |  |  |
| W4A8 MAX |  |  |  |
| W4A4 |  |  |  |

Test Other

|  | Loss | CER | WER |
| --- | --- | --- | --- |
| Original | 1.38 | 5.43 | 9.97 |
| 8 bit MAX | 1.42 | 5.78 | 10.80 |
| 8 bit MSE | 1.46 | 7.09 | 12.15 |

QAT validation:

train loss: 1.21 - valid loss: 1.20, valid CER: 1.85, valid WER: 5.10