**[100b-e-NR-5G\_V2X\_NRSL-SYNC-02]**

**Email discussion/approval related to DM-RS and QCL for S-SSB**

[100b-e-NR-5G\_V2X\_NRSL-SYNC-02] Email discussion/approval related to

DM-RS sequence initialization for PSBCH and QCL for S-SSB

(a,k.a. issues 2 and 3) by 4/24, with potential TPs by 4/29 (CATT, Teng)

**Issue 2 DM-RS sequence initialization for PSBCH**

***Proposal 3: The DM-RS sequence initialization for PSBCH can be:***

* $c\_{init}=2^{11}\left(\overbar{i}\_{S-SSB}+1\right)\left(N\_{ID}^{SL}+1\right)+2^{6}\left(\overbar{i}\_{S-SSB}+1\right)$, where $\overbar{i}\_{S-SSB}$ is 3 LSBs of S-SSB index.

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| **Company** | **Views** |
| Futurewei | Support |
| Sharp | It is a little surprising that “Alt2” is removed here, and only “Alt1” is left in the proposal, especially when considering that:* Alt2 has more supporting companies than the currently proposed “Alt1”, according to the FL summary.
* RAN1 explicitly agreed in the last e-meeting to down-select from Alt1 and Alt2.

Please bring back Alt2 for down-selection. Our preference is Alt2. |
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**Issue 3 QCL for S-SSB transmission**

***Proposal 4: QCL mechanism is not used for S-SSB transmissions in NR SL.***

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| **Company** | **Views** |
| Futurewei | Support. Our understanding is that the proposal applies to one SSB period |
| Sharp | Support. We share the view stated already by some other companies that QCL is not applicable here in NR V2X due to the SFN type of transmissions of S-SSB. |
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