Rel-19 NR MIMO Ph5 RRC parameters

Company inputs

# **9.2.1: UEI/ED BM**

Table 1 9.2.1: inputs from companies

|  |  |
| --- | --- |
| **Company** | **Input** |
| Mod V00 | **Please share your inputs on the RRC list for 9.2.1 from the latest version in R1-2503243** |
| Samsung | The value/value range of the following RRC parameter is missing. Based on the agreement from the last meeting (RAN1#121), the value/value range should be 0, 1 ,2, 4, 8, 16, 32, 64, 128, 256, 512 symbols.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| UEIBM | CSI-ReportConfig | numOfSymbols-ModeB-r19 | New | This parameter is used to configure time offset in number of symbols for determining available transmission occasion of second PUSCH in Mode-B from the first PUCCH | ~~FFS~~0, 1 ,2, 4, 8, 16, 32, 64, 128, 256, 512 symbols |

**Agreement**On beam report transmission procedure for UE-initiated/event-driven beam reporting, regarding the value of X symbols for determining available transmission occasion of the second UL channel on Mode-B * Support Option-1 of the following as RRC candidate values for X symbols
	+ Option-1: 0, 1, 2, 4, 8, 16, 32, 64, 128, 256, 512
	+ Note: X is based on the SCS of the first PUCCH.
	+ Minimum value of X is subject to UE capability
* Regarding ‘available’ transmission occasion of the second UL channel, the transmission restriction for of the second UL channel reuses the legacy rule of PUSCH with SP-CSI.
 |
| Ericsson | The following field description can be found in the running CR:***eventTypeUE-IBR***Indicates the event type for UE initiated beam reporting and associated fields as specified in clause 5.2.1.5.4 of TS 38.214 [19]. When this field is configured, the UE ignores *reportConfigType*.Note that UE ignores the field reportConfig type. This means that the aperiodic triggering offset needed for modeA cannot be provided to the UE. To solve this, we propose to add the corresponding field in the report configuration for UEI reporting:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| UEIBM | CSI-ReportUE-IBR | reportSlotOffsetList | New | Timing offset Y for aperiodic reporting using PUSCH. This field lists the allowed offset values. This list must have the same number of entries as the *pusch-TimeDomainAllocationList* in *PUSCH-Config*. A particular value is indicated in DCI. The network indicates in the DCI field of the UL grant, which of the configured report slot offsets the UE shall apply. The DCI value 0 corresponds to the first report slot offset in this list, the DCI value 1 corresponds to the second report slot offset in this list, and so on (see TS 38.214 [19], clause 6.1.2.1). | SEQUENCE (SIZE (1..maxNrofUL-Allocations-r16)) OF INTEGER(0..128) |

X: RAN1 used the name X to describe the minimum offset between PUCCH and PUSCH in ModeB. Later this has been changed to numOfSymbols-ModeB-r19. For the RRC specification, it is better to use a more descriptive name. We propose the following change on top of Samsung’s edit:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| UEIBM | CSI-ReportConfig | ~~numOfSymbols-ModeB-r19~~minimumPucchToPuschOffset | New | This parameter is used to configure time offset in number of symbols for determining available transmission occasion of second PUSCH in Mode-B from the first PUCCH | ~~FFS~~0, 1 ,2, 4, 8, 16, 32, 64, 128, 256, 512 symbols |

 |
| Mod V01 | **The list is updated to V01 to address the comments from Samsung and Ericsson** |
| Samsung | Row 19, we don’t support. RAN1 explicit agreement should be made first before adding the new row. |
| Mod V02 | Removed “reportSlotOffsetList” from V01 according to comment from Samsung. It may be proper to bring this issue to maintenance of UEI-BM. |
|  |  |

# **9.2.2: CSI**

Table 1 9.2.2: inputs from companies

|  |  |
| --- | --- |
| **Company** | **Input** |
| Mod V00 | **Please share your inputs on the RRC list for 9.2.2 from the latest version in R1-2503243** |
| Samsung | As described in our tdoc, in Row 63, the FFS in Value range should be modified to:SRS-ResourceSetId, SRS-ResourceId;since the parameter *associatedSRSResourceSet* needs to indicate a Q=1 associated SRS resource from all the y/x SRS resources and all the configured SRS resource set(s). |
| Mod V01 | **The list is updated to V01 to address the comments from Samsung** |
| Mod V03 | **Add SRS-ResourceId in the value range for Row 63** |

# **9.2.3: UL 3Tx**

Table 1 9.2.3: inputs from companies

|  |  |
| --- | --- |
| **Company** | **Input** |
| Mod V00 | **Please share your inputs on the RRC list for 9.2.3 from the latest version in R1-2503243** |
|  |  |
|  |  |
|  |  |

# **9.2.4: Asymmetric DL sTRP/UL mTRP**

Table 1 9.2.4: inputs from companies

|  |  |
| --- | --- |
| **Company** | **Input** |
| Mod V00 | **Please share your inputs on the RRC list for 9.2.4 from the latest version in R1-2503243** |
|  |  |
|  |  |
|  |  |