1. NR\_FeMIMO

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  23. NR\_FeMIMO | 23-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  23. NR\_FeMIMO | 23-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  23. NR\_FeMIMO | 23-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_ext\_to\_71GHz

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  24. NR\_ext\_to\_71GHz | 24-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  24. NR\_ext\_to\_71GHz | 24-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  24. NR\_ext\_to\_71GHz | 24-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_IIOT\_URLLC\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  25. NR\_IIOT\_URLLC\_enh | 25-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  25. NR\_IIOT\_URLLC\_enh | 25-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  25. NR\_IIOT\_URLLC\_enh | 25-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_NTN\_solutions

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  26. NR\_NTN\_solutions | 26-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  26. NR\_NTN\_solutions | 26-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  26. NR\_NTN\_solutions | 26-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_pos\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  27. NR\_pos\_enh | 27-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  27. NR\_pos\_enh | 27-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  27. NR\_pos\_enh | 27-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_redcap

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  28. NR\_redcap | 28-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  28. NR\_redcap | 28-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  28. NR\_redcap | 28-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_UE\_pow\_sav\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  29. NR\_UE\_pow\_sav\_enh | 29-1 | Paging enhancement   | Paging subgroup indication for idle/inactive UE1. Support UE subgroup indication2. Corresponding UE behaviour  |  | N |  | High idle/inactive mode UE power consumption if NR SA networks | Per UE | N | N | N |  | [Mandatory] (idle-mode) |
|  29. NR\_UE\_pow\_sav\_enh | 29-2 | TRS resources for idle/inactive UEs | TRS occassions for idle/inactive UEs 1. Support reading TRS configuration from SIB2. Support receving L1 indication for TRS availability |  | N |  | Lose of power saving gain on AGC, time/frequency tracking in idle/inactive mode | Per UE | N | N | N |  | [Mandatory] (idle-mode) |
|  29. NR\_UE\_pow\_sav\_enh | 29-3 | PDCCH monitoring adaptation within an active BWP | Editor’s Note: Example, no RAN1 decision. (1) or (2) may be separately indicated based on further RAN1 discussion/decision1. Support of PDCCH monitoring adaptation behaviour 1/1A
2. Support of PDCCH monitoring adaptation behaviour 2/2A/2B

FFS: Support of PDCCH monitoring adaptation behaviour 1/1A/2/2A/2B |  | Y |  | PDCCH monitoring adaptation within an active BWP is not supported  | Per UE | N | N | N |  | Optional |

1. NR\_cov\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  30. NR\_cov\_enh | 30-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  30. NR\_cov\_enh | 30-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  30. NR\_cov\_enh | 30-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_IAB\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  31. NR\_IAB\_enh | 31-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  31. NR\_IAB\_enh | 31-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  31. NR\_IAB\_enh | 31-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_SL\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  32. NR\_SL\_enh | 32-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  32. NR\_SL\_enh | 32-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  32. NR\_SL\_enh | 32-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_MBS

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  33. NR\_MBS | 33-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  33. NR\_MBS | 33-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  33. NR\_MBS | 33-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_DSS

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  34. NR\_DSS | 34-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  34. NR\_DSS | 34-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  34. NR\_DSS | 34-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. LTE\_NR\_DC\_enh2

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  35. LTE\_NR\_DC\_enh2 | 35-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  35. LTE\_NR\_DC\_enh2 | 35-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  35. LTE\_NR\_DC\_enh2 | 35-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_DL1024QAM\_FR1

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  36. NR\_DL1024QAM\_FR1 | 36-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  36. NR\_DL1024QAM\_FR1 | 36-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  36. NR\_DL1024QAM\_FR1 | 36-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_RF\_FR1\_enh

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  37. NR\_RF\_FR1\_enh | 37-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  37. NR\_RF\_FR1\_enh | 37-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  37. NR\_RF\_FR1\_enh | 37-3 |  |  |  |  |  |  |  |  |  |  |  |  |

1. NR\_SmallData\_INACTIVE

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| Features | Index | Feature group | Components | Prerequisite feature groups | Need for the gNB to know if the feature is supported | Applicable to the capability signalling exchange between UEs (Sidelink WI only)”. | **Consequence if the feature is not supported by the UE** | **Type****(the ‘type’ definition from UE features should be based on the granularity of 1) Per UE or 2) Per Band or 3) Per BC or 4) Per FS or 5) Per FSPC)** | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Capability interpretation for mixture of FDD/TDD and/or FR1/FR2 | Note | Mandatory/Optional |
|  38. NR\_SmallData\_INACTIVE | 38-1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  38. NR\_SmallData\_INACTIVE | 38-2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  38. NR\_SmallData\_INACTIVE | 38-3 |  |  |  |  |  |  |  |  |  |  |  |  |