```
{
  message c1: ueCapabilityInformation: {
    rrc-TransactionIdentifier 0,
    criticalExtensions c1: ueCapabilityInformation-r8: {
      ue-CapabilityRAT-ContainerList {
        {
          rat-Type nr,
          ueCapabilityRAT-Container {
            accessStratumRelease rel15,
            pdcp-Parameters {
              supportedROHC-Profiles {
                profile0x0000 FALSE,
                profile0x0001 FALSE,
                profile0x0002 FALSE,
                profile0x0003 FALSE,
                profile0x0004 FALSE,
                profile0x0006 FALSE,
                profile0x0101 FALSE,
                profile0x0102 FALSE,
                profile0x0103 FALSE,
                profile0x0104 FALSE
              },
              maxNumberROHC-ContextSessions cs2,
              shortSN supported
            },
            rlc-Parameters {
              am-WithShortSN supported,
              um-WithShortSN supported,
              um-WithLongSN supported
            },
            mac-Parameters {
              mac-ParametersXDD-Diff {
                logicalChannelSR-DelayTimer supported,
                longDRX-Cycle supported,
                shortDRX-Cycle supported,
                multipleSR-Configurations supported
              }
            },
            phy-Parameters {
              phy-ParametersCommon {
                nzp-CSI-RS-IntefMgmt supported,
                dynamicHARQ-ACK-Codebook supported,
                semiStaticHARQ-ACK-Codebook supported,
                pdsch-MappingTypeA supported,
                rateMatchingResrcSetSemi-Static supported,
                maxLayersMIMO-Indication supported
              },
              phy-ParametersFRX-Diff {
                twoFL-DMRS '11'B,
                supportedDMRS-TypeDL type1,
                supportedDMRS-TypeUL type1And2,
                onePortsPTRS '01'B,
                pucch-F2-WithFH supported,
                pucch-F3-WithFH supported,
                absoluteTPC-Command supported,
                pusch-HalfPi-BPSK supported,
                pucch-F3-4-HalfPi-BPSK supported,
                csi-RS-IM-ReceptionForFeedback {
                  maxConfigNumberNZP-CSI-RS-PerCC 8,
                  maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC 64,
                  maxConfigNumberCSI-IM-PerCC n8,
```

```
        maxNumberSimultaneousNZP-CSI-RS-PerCC 4,
        totalNumberPortsSimultaneousNZP-CSI-RS-PerCC 32
      },
      csi-ReportFramework {
        maxNumberPeriodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberAperiodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberSemiPersistentCSI-PerBWP-ForCSI-Report 0,
        maxNumberPeriodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-triggeringStatePerCC n63,
        maxNumberSemiPersistentCSI-PerBWP-ForBeamReport 0,
        simultaneousCSI-ReportsPerCC 4
      },
      mux-SR-HARQ-ACK-CSI-PUCCH-OncePerSlot {
        sameSymbol supported
      },
      oneFL-DMRS-TwoAdditionalDMRS-UL supported,
      twoFL-DMRS-TwoAdditionalDMRS-UL supported
    },
    phy-ParametersFR1 {
      pdsch-256QAM-FR1 supported,
      pdsch-RE-MappingFR1-PerSymbol n10,
      pdsch-RE-MappingFR1-PerSlot n32
    }
  },
  rf-Parameters {
    supportedBandListNR {
      {
        bandNR 78,
        mimo-ParametersPerBand {
          tci-StatePDSCH {
            maxNumberConfiguredTCIstatesPerCC n16,
            maxNumberActiveTCI-PerBWP n1
          },
          pusch-TransCoherence nonCoherent,
          periodicBeamReport supported,
          aperiodicBeamReport supported,
          maxNumberNonGroupBeamReporting n4,
          maxNumberSSB-BFD 2,
          maxNumberCSI-RS-SSB-CBD 8,
          beamReportTiming {
            scs-15kHz sym8,
            scs-30kHz sym14
          },
          beamManagementSSB-CSI-RS {
            maxNumberSSB-CSI-RS-ResourceOneTx n8,
            maxNumberCSI-RS-Resource n32,
            maxNumberCSI-RS-ResourceTwoTx n8,
            supportedCSI-RS-Density oneAndThree,
            maxNumberAperiodicCSI-RS-Resource n32
          },
          codebookParameters {
            type1 {
              singlePanel {
                supportedCSI-RS-ResourceList {
                  {
                    maxNumberTxPortsPerResource p8,
                    maxNumberResourcesPerBand 8,
                    totalNumberTxPortsPerBand 64
                  },
                  {
```

```
                maxNumberTxPortsPerResource p4,
                maxNumberResourcesPerBand 8,
                totalNumberTxPortsPerBand 32
              },
              {
                maxNumberTxPortsPerResource p16,
                maxNumberResourcesPerBand 4,
                totalNumberTxPortsPerBand 64
              },
              {
                maxNumberTxPortsPerResource p32,
                maxNumberResourcesPerBand 2,
                totalNumberTxPortsPerBand 64
              }
            },
            modes mode1,
            maxNumberCSI-RS-PerResourceSet 4
          }
        }
      },
      csi-RS-IM-ReceptionForFeedback {
        maxConfigNumberNZP-CSI-RS-PerCC 8,
        maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC 64,
        maxConfigNumberCSI-IM-PerCC n8,
        maxNumberSimultaneousNZP-CSI-RS-PerCC 4,
        totalNumberPortsSimultaneousNZP-CSI-RS-PerCC 32
      },
      csi-ReportFramework {
        maxNumberPeriodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberAperiodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberSemiPersistentCSI-PerBWP-ForCSI-Report 0,
        maxNumberPeriodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-triggeringStatePerCC n63,
        maxNumberSemiPersistentCSI-PerBWP-ForBeamReport 0,
        simultaneousCSI-ReportsPerCC 4
      },
      csi-RS-ForTracking {
        maxBurstLength 2,
        maxSimultaneousResourceSetsPerCC 1,
        maxConfiguredResourceSetsPerCC 8,
        maxConfiguredResourceSetsAllCC 16
      }
    },
    multipleTCI supported,
    pusch-256QAM supported,
    ue-PowerClass pc2,
    channelBWs-DL fr1: {
      scs-15kHz '0000000000'B,
      scs-30kHz '0001001111'B,
      scs-60kHz '0000000000'B
    },
    channelBWs-UL fr1: {
      scs-15kHz '0000000000'B,
      scs-30kHz '0001001111'B,
      scs-60kHz '0000000000'B
    },
    maxUplinkDutyCycle-PC2-FR1 n100
  },
  {
    bandNR 77,
```

```
mimo-ParametersPerBand {
  tci-StatePDSCH {
    maxNumberConfiguredTCIstatesPerCC n16,
    maxNumberActiveTCI-PerBWP n1
  },
  pusch-TransCoherence nonCoherent,
  periodicBeamReport supported,
  aperiodicBeamReport supported,
  maxNumberNonGroupBeamReporting n4,
  maxNumberSSB-BFD 2,
  maxNumberCSI-RS-SSB-CBD 8,
  beamReportTiming {
    scs-15kHz sym8,
    scs-30kHz sym14
  },
  beamManagementSSB-CSI-RS {
    maxNumberSSB-CSI-RS-ResourceOneTx n8,
    maxNumberCSI-RS-Resource n32,
    maxNumberCSI-RS-ResourceTwoTx n8,
    supportedCSI-RS-Density oneAndThree,
    maxNumberAperiodicCSI-RS-Resource n32
  },
  codebookParameters {
    type1 {
      singlePanel {
        supportedCSI-RS-ResourceList {
          {
            maxNumberTxPortsPerResource p8,
            maxNumberResourcesPerBand 8,
            totalNumberTxPortsPerBand 64
          },
          {
            maxNumberTxPortsPerResource p4,
            maxNumberResourcesPerBand 8,
            totalNumberTxPortsPerBand 32
          },
          {
            maxNumberTxPortsPerResource p16,
            maxNumberResourcesPerBand 4,
            totalNumberTxPortsPerBand 64
          },
          {
            maxNumberTxPortsPerResource p32,
            maxNumberResourcesPerBand 2,
            totalNumberTxPortsPerBand 64
          }
        },
        modes mode1,
        maxNumberCSI-RS-PerResourceSet 4
      }
    }
  },
  csi-RS-IM-ReceptionForFeedback {
    maxConfigNumberNZP-CSI-RS-PerCC 8,
    maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC 64,
    maxConfigNumberCSI-IM-PerCC n8,
    maxNumberSimultaneousNZP-CSI-RS-PerCC 4,
    totalNumberPortsSimultaneousNZP-CSI-RS-PerCC 32
  },
  csi-ReportFramework {
    maxNumberPeriodicCSI-PerBWP-ForCSI-Report 2,
```

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        maxNumberAperiodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberSemiPersistentCSI-PerBWP-ForCSI-Report 0,
        maxNumberPeriodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-triggeringStatePerCC n63,
        maxNumberSemiPersistentCSI-PerBWP-ForBeamReport 0,
        simultaneousCSI-ReportsPerCC 4
      },
      csi-RS-ForTracking {
        maxBurstLength 2,
        maxSimultaneousResourceSetsPerCC 1,
        maxConfiguredResourceSetsPerCC 8,
        maxConfiguredResourceSetsAllCC 16
      }
    },
    multipleTCI supported,
    pusch-256QAM supported,
    ue-PowerClass pc2,
    channelBWs-DL fr1: {
      scs-15kHz '0000000000'B,
      scs-30kHz '0000000000'B,
      scs-60kHz '0000000000'B
    },
    channelBWs-UL fr1: {
      scs-15kHz '0000000000'B,
      scs-30kHz '0000000000'B,
      scs-60kHz '0000000000'B
    },
    maxUplinkDutyCycle-PC2-FR1 n100
  },
  {
    bandNR 28,
    mimo-ParametersPerBand {
      tci-StatePDSCH {
        maxNumberConfiguredTCIstatesPerCC n16,
        maxNumberActiveTCI-PerBWP n1
      },
      pusch-TransCoherence nonCoherent,
      periodicBeamReport supported,
      aperiodicBeamReport supported,
      maxNumberNonGroupBeamReporting n4,
      maxNumberSSB-BFD 2,
      maxNumberCSI-RS-SSB-CBD 8,
      beamReportTiming {
        scs-15kHz sym8,
        scs-30kHz sym14
      },
      beamManagementSSB-CSI-RS {
        maxNumberSSB-CSI-RS-ResourceOneTx n8,
        maxNumberCSI-RS-Resource n32,
        maxNumberCSI-RS-ResourceTwoTx n8,
        supportedCSI-RS-Density oneAndThree,
        maxNumberAperiodicCSI-RS-Resource n32
      },
      codebookParameters {
        type1 {
          singlePanel {
            supportedCSI-RS-ResourceList {
              {
                maxNumberTxPortsPerResource p8,
                maxNumberResourcesPerBand 8,
```

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            totalNumberTxPortsPerBand 64
          },
          {
            maxNumberTxPortsPerResource p4,
            maxNumberResourcesPerBand 8,
            totalNumberTxPortsPerBand 32
          }
        },
        modes mode1,
        maxNumberCSI-RS-PerResourceSet 4
      }
    }
  },
  csi-RS-IM-ReceptionForFeedback {
    maxConfigNumberNZP-CSI-RS-PerCC 8,
    maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC 64,
    maxConfigNumberCSI-IM-PerCC n8,
    maxNumberSimultaneousNZP-CSI-RS-PerCC 4,
    totalNumberPortsSimultaneousNZP-CSI-RS-PerCC 32
  },
  csi-ReportFramework {
    maxNumberPeriodicCSI-PerBWP-ForCSI-Report 2,
    maxNumberAperiodicCSI-PerBWP-ForCSI-Report 2,
    maxNumberSemiPersistentCSI-PerBWP-ForCSI-Report 0,
    maxNumberPeriodicCSI-PerBWP-ForBeamReport 2,
    maxNumberAperiodicCSI-PerBWP-ForBeamReport 2,
    maxNumberAperiodicCSI-triggeringStatePerCC n63,
    maxNumberSemiPersistentCSI-PerBWP-ForBeamReport 0,
    simultaneousCSI-ReportsPerCC 4
  },
  csi-RS-ForTracking {
    maxBurstLength 2,
    maxSimultaneousResourceSetsPerCC 1,
    maxConfiguredResourceSetsPerCC 8,
    maxConfiguredResourceSetsAllCC 16
  }
},
multipleTCI supported,
pusch-256QAM supported,
ue-PowerClass pc3,
rateMatchingLTE-CRS supported,
channelBWs-DL fr1: {
  scs-15kHz '1111010000'B,
  scs-30kHz '0000000000'B,
  scs-60kHz '0000000000'B
},
channelBWs-UL fr1: {
  scs-15kHz '1111010000'B,
  scs-30kHz '0000000000'B,
  scs-60kHz '0000000000'B
},
maxUplinkDutyCycle-PC2-FR1 n100
},
{
  bandNR 1,
  mimo-ParametersPerBand {
    tci-StatePDSCH {
      maxNumberConfiguredTCIstatesPerCC n16,
      maxNumberActiveTCI-PerBWP n1
    },
    pusch-TransCoherence nonCoherent,
```

```
      periodicBeamReport supported,
      aperiodicBeamReport supported,
      maxNumberNonGroupBeamReporting n4,
      maxNumberSSB-BFD 2,
      maxNumberCSI-RS-SSB-CBD 8,
      beamReportTiming {
        scs-15kHz sym8,
        scs-30kHz sym14
      },
      beamManagementSSB-CSI-RS {
        maxNumberSSB-CSI-RS-ResourceOneTx n8,
        maxNumberCSI-RS-Resource n32,
        maxNumberCSI-RS-ResourceTwoTx n8,
        supportedCSI-RS-Density oneAndThree,
        maxNumberAperiodicCSI-RS-Resource n32
      },
      codebookParameters {
        type1 {
          singlePanel {
            supportedCSI-RS-ResourceList {
              {
                maxNumberTxPortsPerResource p8,
                maxNumberResourcesPerBand 8,
                totalNumberTxPortsPerBand 64
              },
              {
                maxNumberTxPortsPerResource p4,
                maxNumberResourcesPerBand 8,
                totalNumberTxPortsPerBand 32
              }
            },
            modes mode1,
            maxNumberCSI-RS-PerResourceSet 4
          }
        }
      },
      csi-RS-IM-ReceptionForFeedback {
        maxConfigNumberNZP-CSI-RS-PerCC 8,
        maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC 64,
        maxConfigNumberCSI-IM-PerCC n8,
        maxNumberSimultaneousNZP-CSI-RS-PerCC 4,
        totalNumberPortsSimultaneousNZP-CSI-RS-PerCC 32
      },
      csi-ReportFramework {
        maxNumberPeriodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberAperiodicCSI-PerBWP-ForCSI-Report 2,
        maxNumberSemiPersistentCSI-PerBWP-ForCSI-Report 0,
        maxNumberPeriodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-PerBWP-ForBeamReport 2,
        maxNumberAperiodicCSI-triggeringStatePerCC n63,
        maxNumberSemiPersistentCSI-PerBWP-ForBeamReport 0,
        simultaneousCSI-ReportsPerCC 4
      },
      csi-RS-ForTracking {
        maxBurstLength 2,
        maxSimultaneousResourceSetsPerCC 1,
        maxConfiguredResourceSetsPerCC 8,
        maxConfiguredResourceSetsAllCC 16
      }
    },
    multipleTCI supported,
```

```
      pusch-256QAM supported,
      ue-PowerClass pc3,
      rateMatchingLTE-CRS supported,
      channelBWs-DL fr1: {
        scs-15kHz '1111011000'B,
        scs-30kHz '0000000000'B,
        scs-60kHz '0000000000'B
      },
      channelBWs-UL fr1: {
        scs-15kHz '1111011000'B,
        scs-30kHz '0000000000'B,
        scs-60kHz '0000000000'B
      },
      maxUplinkDutyCycle-PC2-FR1 n100
    }
  },
  appliedFreqBandListFilter {
    bandInformationEUTRA: {
      bandEUTRA 3
    },
    bandInformationNR: {
      bandNR 77
    }
  }
},
measAndMobParameters {
  measAndMobParametersCommon {
    ssb-RLM supported
  },
  measAndMobParametersXDD-Diff {
    intraAndInterF-MeasAndReport supported,
    eventA-MeasAndReport supported
  },
  measAndMobParametersFRX-Diff {
    ss-SINR-Meas supported,
    simultaneousRxDataSSB-DiffNumerology supported
  }
},
featureSets {
  featureSetsDownlink {
    {
      featureSetListPerDownlinkCC {
        1
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        2
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        3
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        4
```

```
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        5
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        6
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        7
      },
      ue-SpecificUL-DL-Assignment supported
    },
    {
      featureSetListPerDownlinkCC {
        8
      },
      ue-SpecificUL-DL-Assignment supported
    }
  },
  featureSetsDownlinkPerCC {
    {
      supportedSubcarrierSpacingDL kHz30,
      supportedBandwidthDL fr1: mhz100,
      channelBW-90mhz supported,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz30,
      supportedBandwidthDL fr1: mhz100,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz30,
      supportedBandwidthDL fr1: mhz80,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz30,
      supportedBandwidthDL fr1: mhz20,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz15,
      supportedBandwidthDL fr1: mhz30,
      maxNumberMIMO-LayersPDSCH twoLayers,
      supportedModulationOrderDL qam256
    },
    {
```

```
      supportedSubcarrierSpacingDL kHz15,
      supportedBandwidthDL fr1: mhz20,
      maxNumberMIMO-LayersPDSCH twoLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz15,
      supportedBandwidthDL fr1: mhz20,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    },
    {
      supportedSubcarrierSpacingDL kHz15,
      supportedBandwidthDL fr1: mhz40,
      maxNumberMIMO-LayersPDSCH fourLayers,
      supportedModulationOrderDL qam256
    }
  },
  featureSetsUplink {
    {
      featureSetListPerUplinkCC {
        1
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
    {
      featureSetListPerUplinkCC {
        2
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
    {
      featureSetListPerUplinkCC {
        3
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
```

```
    {
      featureSetListPerUplinkCC {
        4
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
    {
      featureSetListPerUplinkCC {
        5
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
    {
      featureSetListPerUplinkCC {
        6
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    },
    {
      featureSetListPerUplinkCC {
        7
      },
      supportedSRS-Resources {
        maxNumberAperiodicSRS-PerBWP n16,
        maxNumberAperiodicSRS-PerBWP-PerSlot 6,
        maxNumberPeriodicSRS-PerBWP n16,
        maxNumberPeriodicSRS-PerBWP-PerSlot 6,
        maxNumberSemiPersistentSRS-PerBWP n2,
        maxNumberSemiPersistentSRS-PerBWP-PerSlot 2,
        maxNumberSRS-Ports-PerResource n1
      }
    }
  },
  featureSetsUplinkPerCC {
    {
      supportedSubcarrierSpacingUL kHz30,
      supportedBandwidthUL fr1: mhz100,
```

```
  channelBW-90mhz supported,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz30,
  supportedBandwidthUL fr1: mhz100,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz30,
  supportedBandwidthUL fr1: mhz80,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz30,
  supportedBandwidthUL fr1: mhz20,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz15,
  supportedBandwidthUL fr1: mhz30,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz15,
  supportedBandwidthUL fr1: mhz20,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
},
{
  supportedSubcarrierSpacingUL kHz15,
  supportedBandwidthUL fr1: mhz40,
  mimo-CB-PUSCH {
    maxNumberMIMO-LayersCB-PUSCH oneLayer,
    maxNumberSRS-ResourcePerSet 1
  },
  supportedModulationOrderUL qam256
}
```

```
      },
      featureSetsDownlink-v1540 {
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          additionalDMRS-DL-Alt supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          additionalDMRS-DL-Alt supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          additionalDMRS-DL-Alt supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        },
        {
          oneFL-DMRS-TwoAdditionalDMRS-DL supported,
          additionalDMRS-DL-Alt supported,
          twoFL-DMRS-TwoAdditionalDMRS-DL supported
        }
      }
    },
    nonCriticalExtension {
      interRAT-Parameters {
        eutra {
          supportedBandListEUTRA {
            1,
            3,
            7,
            8,
            20,
            28,
            38,
            40
          },
          eutra-ParametersCommon {
            mfbi-EUTRA supported
          }
        }
      }
    }
  }
},
```

```
{
  rat-Type eutra-nr,
  ueCapabilityRAT-Container {
    measAndMobParametersMRDC {
      measAndMobParametersMRDC-FRX-Diff {
        simultaneousRxDataSSB-DiffNumerology supported
      }
    },
    rf-ParametersMRDC {
      supportedBandCombinationList {
        {
          bandList {
            eutra: {
              bandEUTRA 3,
              ca-BandwidthClassDL-EUTRA a,
              ca-BandwidthClassUL-EUTRA a
            },
            nr: {
              bandNR 77,
              ca-BandwidthClassDL-NR a,
              ca-BandwidthClassUL-NR a
            }
          },
          featureSetCombination 0,
          mrdc-Parameters {
            dynamicPowerSharingENDC supported,
            simultaneousRxTxInterBandENDC supported
          }
        }
      },
      appliedFreqBandListFilter {
        bandInformationEUTRA: {
          bandEUTRA 3
        },
        bandInformationNR: {
          bandNR 77
        }
      },
      supportedBandCombinationList-v1540 {
        {
          bandList-v1540 {
            {
              srs-TxSwitch {
                supportedSRS-TxPortSwitch notSupported
              }
            },
            {
              srs-TxSwitch {
                supportedSRS-TxPortSwitch notSupported
              }
            }
          },
          ca-ParametersNR-v1540 {
            csi-RS-IM-ReceptionForFeedbackPerBandComb {
              maxNumberSimultaneousNZP-CSI-RS-ActBWP-AllCC 8,
              totalNumberPortsSimultaneousNZP-CSI-RS-ActBWP-AllCC
64
            },
            simultaneousCSI-ReportsAllCC 8
          }
        }
```

```
            }
          },
          generalParametersMRDC {
            splitDRB-withUL-Both-MCG-SCG supported
          },
          featureSetCombinations {
            {
              {
                eutra: {
                  downlinkSetEUTRA 3,
                  uplinkSetEUTRA 1
                }
              },
              {
                nr: {
                  downlinkSetNR 2,
                  uplinkSetNR 2
                }
              }
            }
          }
        }
      }
    }
  }
}
```