

Intra-band_DC_FR1

DL Configuration	UL Configurations	Single UL allowed	DL Interruptions allowed
DC_3(n)AA	DC_3(n)AA (switchedUIOnly)	Yes	
DC_(n)3AA	DC_(n)3AA (switchedUIOnly)	Yes	
DC_(n)3CA	DC_(n)3AA (switchedUIOnly)	Yes	
DC_(n)5AA	DC_(n)5AA (switchedUIOnly)	Yes	
DC_(n)7AA	DC_(n)7AA (switchedUIOnly)	Yes	
DC_(n)8AA	DC_(n)8AA (switchedUIOnly)	Yes	
DC_(n)12AA	DC_(n)12AA (switchedUIOnly)	Yes	
DC_(n)38AA	DC_(n)38AA (switchedUIOnly)	Yes	
DC_(n)40AA (pc2_Table6.2B.1.1-1)	DC_(n)40AA (switchedUIOnly, pc2_Table6.2B.1.1-1, singleUIDueToEmissionOnly)	Yes	
DC_40(n)AA	DC_40(n)AA (switchedUIOnly)	Yes	
DC_40(n)AC	DC_40(n)AA (switchedUIOnly)	Yes	
DC_40(n)AD	DC_40(n)AA (switchedUIOnly)	Yes	
DC_(n)40CA (pc2_Table6.2B.1.1-1)	DC_(n)40AA (switchedUIOnly, pc2_Table6.2B.1.1-1, singleUIDueToEmissionOnly)	Yes	
DC_(n)40DA (pc2_Table6.2B.1.1-1)	DC_(n)40AA (switchedUIOnly, pc2_Table6.2B.1.1-1, singleUIDueToEmissionOnly)	Yes	
DC_(n)41AA	DC_(n)41AA (singleUIDueToEmissionOnly)	Yes	
DC_(n)41AB	DC_(n)41AA (singleUIDueToEmissionOnly)	Yes	
DC_(n)41CA	DC_(n)41AA (singleUIDueToEmissionOnly)	Yes	
DC_(n)41DA	DC_(n)41AA (singleUIDueToEmissionOnly)	Yes	
DC_(n)48AA	DC_(n)48AA (switchedUIOnly)	Yes	
DC_(n)48CA	DC_(n)48AA (switchedUIOnly)	Yes	
DC_(n)48DA	DC_(n)48AA (switchedUIOnly)	Yes	

DL Configuration	UL Configurations	Single UL allowed	DL Interruptions allowed
DC_(n)66AA	DC_(n)66AA (switchedUIOnly)	Yes	
DC_(n)71AA	DC_(n)71AA (n71AA_Uplink_BCS2, simUplinkWhenDynPowerSharing)	No	
DC_1A_n1A	DC_1A_n1A (switchedUIOnly)	Yes	
DC_2A_n2A	DC_2A_n2A (switchedUIOnly)	Yes	
DC_3A_n3A	DC_3A_n3A (singleUIDueToEmissionAndSelfInterf)	Yes	
DC_5A_n5A	DC_5A_n5A (switchedUIOnly)	Yes	
DC_7A_n7A (nr15kHzScsOnly)	DC_7A_n7A (switchedUIOnly)	Yes	
DC_40A_n40A	DC_40A_n40A (switchedUIOnly)	Yes	
DC_40C_n40A	DC_40A_n40A (switchedUIOnly)	Yes	
DC_40D_n40A	DC_40A_n40A (switchedUIOnly)	Yes	
DC_41A_n41A	DC_41A_n41A (singleUIDueToEmissionOnly)	Yes	
DC_41C_n41A	DC_41A_n41A (singleUIDueToEmissionOnly)	Yes	
DC_41D_n41A	DC_41A_n41A (singleUIDueToEmissionOnly)	Yes	
DC_48A_n48A	DC_48A_n48A (switchedUIOnly)	Yes	
DC_48A-(n)48AA	DC_(n)48AA (switchedUIOnly)	Yes	
DC_48C_n48A	DC_48A_n48A (switchedUIOnly)	Yes	
DC_48D_n48A	DC_48A_n48A (switchedUIOnly)	Yes	
DC_66A_n66A	DC_66A_n66A (switchedUIOnly)	Yes	
DC_66A-(n)66AA	DC_(n)66AA (switchedUIOnly)	Yes	
DC_66B_n66A	DC_66A_n66A (switchedUIOnly)	Yes	
DC_71A_n71A	DC_71A_n71A (switchedUIOnly)	Yes	
DC_48A-48A_n48A	DC_48A_n48A (switchedUIOnly)	Yes	
DC_66A-66A_n66A	DC_66A_n66A (switchedUIOnly)	Yes	

intraBandENDC_nonCont	The UE supporting these configurations indicates 'non-contiguous' by IE intraBandENDC-Support-UL with intraBandENDC-Support absent.
intraBandENDC_both	The UE supporting these configurations indicates 'both' by IE intraBandENDC-Support-UL with intraBandENDC-Support absent.
intraBandNonContFallback	The minimum requirements also apply for the intra-band non-contiguous fallback resulting from releasing an Scell within the sub-block bandwidth of the downlink configuration
nr15kHzScsOnly	Requirements in this specification apply for NR SCS of 15 kHz only.
B41NotBelow2506	The frequency range below 2506 MHz for Band 41 is not used in this combination
B46WithInterBandCA	Restricted to E-UTRA operation when inter-band carrier aggregation is configured. The downlink operating band for Band 46 is paired with the uplink operating band (external E-UTRA band) of the carrier aggregation configuration that is supporting the configured Pcell.
nonSimuRxTx	The minimum requirements apply only when there is non-simultaneous Rx/Tx operation between E-UTRA and NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order EN-DC configuration.
nonSimRxTx	The minimum requirements apply only when there is non-simultaneous Rx/Tx operation between E-UTRA and NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order EN-DC configuration.
B42B48_n77n78	If a UE does not indicate interBandMRDC-WithOverlapDL-Bands-r16 or a UE indicates both interBandMRDC-WithOverlapDL-Bands-r16 and requirementTypeIndication-r18 and IE nonCollocatedTypeMRDC is provided, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42/48 and Band n77/n78 combination. If a UE does not indicate interBandMRDC-WithOverlapDL-Bands-r16 or a UE indicates both interBandMRDC-WithOverlapDL-Bands-r16 and requirementTypeIndication-r18 and IE nonCollocatedTypeMRDC is provided and UE indicates interBandContiguousMRDC, the minimum requirements for intra-band contiguous EN-DC also apply in addition to intra-band non-contiguous EN-DC. The intra-band requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
interBandEnDcSimRxTx	Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability.
interBandNeDcSimRxTx	Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability.
interBandNrDcSimRxTx	Applicable for UE supporting inter-band NR-DC with mandatory simultaneous Rx/Tx capability.
noFallbackWithoutB42B48	The combination is not used alone as fall-back mode of other band combinations in which UL in Band 42 or Band 48 is not used.
max6dB	Maximum 6 dB power spectral density imbalance between downlink carriers is assumed when UE does not indicate interBandMRDC-WithOverlapDL-Bands-r16 or if a UE indicates both interBandMRDC-WithOverlapDL-Bands-r16 and requirementTypeIndication-r18 and IE nonCollocatedTypeMRDC is provided. Clause 7.10B.3 power imbalance requirement apply if the UE indicates interBandMRDC-WithOverlapDL-Bands-r16 but does not indicate requirementTypeIndication-r18 or a UE indicates both interBandMRDC-WithOverlapDL-Bands-r16 and requirementTypeIndication-r18 and IE nonCollocatedTypeMRDC is not provided when maxMIMO-Layers with value less than or equal to 2. Clause 7.10B.3 power imbalance requirement is applied, also, if the UE indicates interBandMRDC-WithOverlapDL-Bands-r19 and nonCollocatedTypeMRDC-v19xy is provided with value type4, when maxMIMO-Layers equals to 4. For these UEs, the power spectral density imbalance condition also applies for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
n78NotAbove3600	The frequency range above 3600 MHz for Band n78 is not used in this combination
n79Above4800	Applicable for frequency range above 4800 MHz for Band n79 in this combination
lessThan_3µs	If a UE does not indicated interBandMRDC-WithOverlapDL-Bands-r16 or a UE indicates both interBandMRDC-WithOverlapDL-Bands-r16 and requirementTypeIndication-r18 and IE nonCollocatedTypeMRDC is provided or a UE indicates interBandMRDC-WithOverlapDL-Bands-r19 and the IE nonCollocatedTypeMRDC-v19xy is provided, the minimum requirements apply for synchronized DL carriers with a maximum receive time difference ≤ 3 usec. The requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.

noSimRxTxB42n77	Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. Same restrictions are applied to related higher order configurations.
noFallbackWithoutB2	The combination is not used alone as fallback mode of other band combinations in which UL in Band 2 is not used.
n28B28Restrictions	The frequency range in band n28 /28 is restricted for this band combination to 703 - 733 MHz for the UL and 758-788 MHz for the DL. This restriction also applies for any band combinations when DC_20_n28/DC_28_n20/CA_20-28/CA_n20-n28 is a subset of a higher order band combination.
n41Restriction	The frequency range in band n41 is restricted for this band combination to 2595 - 2645 MHz.
n28ULDLRestrictions	The frequency range in band n28 is restricted for this band combination to 728 - 738 MHz for the UL and 783 - 793 MHz for the DL. This restriction applies also for these band combinations when applicable EN-DC configuration is part of a higher order EN-DC configuration.
SwitchingTime_140µs	If a UE is configured with both NR UL and NR SUL carriers in a cell, the switching time between NR UL carrier and NR SUL carrier can be up to 140us and placed in SUL resources.
n1ULDLRestrictions	The frequency range in band n1 is restricted for this band combination to 1940 - 1960 MHz for the UL and 2130-2150 MHz for the DL.
B3ULDLRestrictions	The frequency range in band 3 is restricted for this band combination to 1765 - 1785 MHz for the UL and 1860-1880 MHz for the DL.
B42Restrictions	The frequency range in band 42 is restricted for this band combination to 3440 - 3520 MHz.
noInterBandMRDC	For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42/48 and Band n77/n78 combination and for the Band 2 and Band n25 combinations. For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, when UE capability interBandContiguousMRDC is indicated, the minimum requirements for intra-band-contiguous EN-DC also should be met in addition to intra-band non-contiguous EN-DC.
noInterBandMRDC_6dB	For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, the minimum requirements for inter-band EN-DC apply when the maximum power spectral density imbalance between downlink carriers contained in overlapping or partially overlapping DL bands is within 6 dB.
fwa3Ant	The implementation with 3 low-band antennas is targeted for FWA form factor for this band combination in Release 17.
noInterBandMRDC_3µs	For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, the minimum requirements apply for synchronized DL carriers with a maximum receive time difference ≤ 3 usec between overlapping or partially overlapping DL bands contained in different cell groups.
nonSimuRxTx_n77n79	The minimum requirements apply only when there is non-simultaneous Rx/Tx operation between n77-n79 NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order configuration.
nonSimuRxTx_n78n79	For UEs supporting band n77, the minimum requirements apply only when there is non-simultaneous Rx/Tx operation between n78-n79 NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order configuration.
nonSimuRxTx_interBandCA	Only applicable for UE supporting inter-band carrier aggregation without simultaneous Rx/Tx.
noFallbackWithoutB42	The combination is not used alone as fall back mode of other band combinations in which UL in Band 42 is not used.
noInterBandMRDC_B42B48_n77n78	For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42/48 and Band n77/n78 combination. For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, when UE capability interBandContiguousMRDC is indicated, the minimum requirements for intra-band-contiguous EN-DC also should be met in addition to intra-band non-contiguous EN-DC.
B7B38_Scell	

	Band 7 and Band 38 are restricted as DL Scell. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
B7B38_6dB	Power imbalance between downlink carriers on Band 7 and band n38 is assumed to be within 6dB. The power spectral density imbalance condition also applies for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
B7n38_Scell	Band 7 and Band n38 are restricted as DL Scell. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
noInterBandMRDC_B42_n77n78	For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42 and Band n77/n78 combination. For UEs not indicating interBandMRDC-WithOverlapDL-Bands-r16, when UE capability interBandContiguousMRDC is indicated, the minimum requirements for intra-band-contiguous EN-DC also should be met in addition to intra-band non-contiguous EN-DC.
NA	Not Available (defined an used in Table 5.5B.4.2-1)
void	Void (might be used for some BCs but has no valid meaning anymore)
switchedUIOnly	Only single switched UL is supported.
singleUIDueToEmissionOnly	Single UL allowed due to potential emission issues, not self-interference.
singleUIDueToEmissionAndSelfInterf	Single UL allowed due to potential emission issues and self-interference.
simUplinkWhenDynPowerSharing	For UE(s) supporting dynamic power sharing it is mandatory to do dual simultaneous UL. For UE(s) not supporting dynamic power sharing single UL is allowed. Uplink DC_(n)71AA is not applicable to BCS2.
pc2	Minimum requirements for PC2 are applicable for this uplink EN-DC configuration in this downlink/uplink EN-DC configuration.
pc2_1tx+1tx	Minimum requirements for PC2 are applicable for this uplink EN-DC configuration in this downlink/uplink EN-DC configuration with 1Tx antenna connector in each band.
pc2_1tx+2tx	Minimum requirements for Power Class 2 are applicable for this EN-DC configuration with 1Tx antenna connector in one band and 2Tx antenna connectors in the other band.
pc2_Table6.2B.1.1-1	The PC2 Uplink EN-DC configuration supported in Table 6.2B.1.1-1 is applicable to the same EN-DC configuration.
pc1.5_Table6.2B.1.1-1	The PC1.5 Uplink EN-DC configuration supported in Table 6.2B.1.1-1 is applicable to the same EN-DC configuration.
B1orB28Only	UL carrier shall be supported in Band 1 or band 28 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
B2orB66Only	UL carrier shall be supported in Band 2 or band 66 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
B3orB28Only	UL carrier shall be supported in Band 3 or band 28 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
DC_2_n2_RESENS	The downlink DC_2_n2 RESENS requirements only apply when the band n2 downlink carrier is configured closer to the uplink operating band than the E-UTRA Band 2 downlink carrier.
fwa4Ant	The implementation with 4 antennas is targeted for FWA form factor for this band combination.
n71AA_Uplink_BCS2	Uplink DC_(n)71AA is not applicable to BCS2.

presentRelease

Uplink EN-DC configurations are the configurations supported by the present release of specifications. WARNING: This should not be used in any BC.

undefined

WARNING: This footnote is used in some BCs but undefined in the specification.