

UE

gNB

pixel\_6a.pcap

UL PDCP SN=0

ID RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
MAC-I	0x00000000 [Matches calculated result]
BSR LCG0 idx	0
PHR	9 dB <= PH < 10 dB [idx 42]
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

[Frame 3] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

DL PDCP SN=0

ID RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
MAC-I	0x00000000 [Matches calculated result]

[Frame 5] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UL PDCP SN=1

ID RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Prev frame	3
MAC-I	0x00000000 [Matches calculated result]
BSR LCG0 idx	0
PHR	9 dB <= PH < 10 dB [idx 42]
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

[Frame 7] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

DL PDCP SN=1

ID RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Prev frame	5
MAC-I	0x00000000 [Matches calculated result]

[Frame 9] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UL PDCP SN=2

ID RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Prev frame	7
MAC-I	0x00000000 [Matches calculated result]
BSR LCG0 idx	0
PHR	36 dB <= PH < 38 dB [idx 62]
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

[Frame 10] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

DL PDCP SN=2

ID RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Prev frame	9
MAC-I	0x97b79d7e (but calculated 0x00000000!)
MAC-I check	wrong (calc=00000000, got=97b79d7e)

[Frame 12] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UL PDCP SN=3

ID RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling

[Frame 13] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UE

gNB

Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	3
Prev frame	10
MAC-I	0xf732cc2f
BSR LCG0 idx	0
PHR	36 dB <= PH < 38 dB [idx 62]
Pcmx	11 dBm <= Pcmx,f,c < 12 dBm [idx 41]

DL PDCP SN=3

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	3
Prev frame	12
MAC-I	0xd0753ba4

UL PDCP SN=4

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	4
Prev frame	13
MAC-I	0x9da8dc6a
BSR LCG0 idx	0
PHR	36 dB <= PH < 38 dB [idx 62]
Pcmx	11 dBm <= Pcmx,f,c < 12 dBm [idx 41]

DL PDCP SN=4

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	4
Prev frame	14
MAC-I	0x9b191fc7

UL PDCP SN=5

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	5
Prev frame	16
MAC-I	0x977d6c83
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	6

UL PDCP SN=6

Prev frame	18
MAC-I	0x35eb95aa
BSR LCG0 idx	0
PHR	36 dB <= PH < 38 dB [idx 62]
Pcmx	11 dBm <= Pcmx,f,c < 12 dBm [idx 41]

[Frame 14] DL PDCP PDU – gNB → UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

[Frame 16] UL PDCP PDU – UE → gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

[Frame 17] DL PDCP PDU – gNB → UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

[Frame 18] UL PDCP PDU – UE → gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UE

gNB

**DL PDCP SN=5**

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	5
Prev frame	17
MAC-I	0x673ed7fe

[Frame 20] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

**UL PDCP SN=7**

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	7
Prev frame	18
MAC-I	0xb3815aa3
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	8

[Frame 22] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

**UL PDCP SN=8**

Prev frame	22
MAC-I	0xc4b8e6d3
BSR LCG0 idx	0
PHR	36 dB <= PH < 38 dB [idx 62]
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

**UL PDCP SN=9**

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	9
Prev frame	22
MAC-I	0x3cb6cd04
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	10

[Frame 24] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

**UL PDCP SN=10**

Prev frame	24
MAC-I	0xbe47e915
BSR LCG0 idx	0
PHR	PH >= 38 dB [idx 63]
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]




**UL PDCP SN=11**

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	11
Prev frame	24
MAC-I	0x5b4703a8









[Frame 26] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected


 UE

 gNB

 BSR LCG0 idx	0
 PHR	PH >= 38 dB [idx 63]
 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

 DL PDCP SN=6

 RNTI	0x4601
 Plane	Signalling
 Bearer	1
 PDCP SN size	12-bit
 Sec	NEA0/NIA2
 PDCP COUNT	6
 Prev frame	20
 MAC-I	0xa1a748bb

 [Frame 28] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

Session Result: incomplete - mid-capture (duration: 32.284s)