

UE

gNB

simcom-sim8262e-m2.pcap

UL PDCP SN=0

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	11 dB <= PH < 12 dB [idx 44]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

[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

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
MAC-I	0xbfb418f6 (but calculated 0x00000000!)
MAC-I check	wrong (calc=00000000, got=bfb418f6)

[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

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	1
Prev frame	3
MAC-I	0x25199589
BSR LCG0 idx	0
PHR	16 dB <= PH < 17 dB [idx 49]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

[Frame 6] 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

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	1
Prev frame	5
MAC-I	0x62e8ddf3

[Frame 8] 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

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	2
Prev frame	6
MAC-I	0x9185cfa1
BSR LCG0 idx	0
PHR	16 dB <= PH < 17 dB [idx 49]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

[Frame 9] 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=3

RNTI	0x4601
PHR Type2 other-cell	False
Plane	Signalling
Bearer	1
PDCP SN size	12-bit

[Frame 11] UL PDCP PDU – UE→gNB on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected

UE

gNB

Sec	NEA0/NIA2
PDCP COUNT	3
Prev frame	9
MAC-I	0xdb315181
BSR LCG0 idx	0
PHR	16 dB <= PH < 17 dB [idx 49]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

DL PDCP SN=2

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	2
Prev frame	8
MAC-I	0xa2b50295

DL PDCP SN=3

RNTI	0x4601
Plane	Signalling
Bearer	1
PDCP SN size	12-bit
Sec	NEA0/NIA2
PDCP COUNT	3
Prev frame	13
MAC-I	0xa498f54d

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	11
MAC-I	0x25d6948f
BSR LCG0 idx	0
PHR	17 dB <= PH < 18 dB [idx 50]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

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	0xd322eb62

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	17
MAC-I	0xe6ab3247
BSR LCG0 idx	0
PHR	17 dB <= PH < 18 dB [idx 50]
Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

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

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









[Frame 19] DL PDCP PDU – gNB→UE on a configured radio bearer. After AS security activates, the inner SDU is ciphered and integrity-protected


[Frame 21] 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	19
 MAC-I	0x1cc212ac









 [Frame 23] 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=6

 RNTI	0x4601
 PHR Type2 other-cell	False
 Plane	Signalling
 Bearer	1
 PDCP SN size	12-bit
 Sec	NEA0/NIA2
 PDCP COUNT	6
 Prev frame	21
 MAC-I	0x0a1ca813
 BSR LCG0 idx	0
 PHR	17 dB <= PH < 18 dB [idx 50]
 Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]













 [Frame 24] 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=6

 RNTI	0x4601
 Plane	Signalling
 Bearer	1
 PDCP SN size	12-bit
 Sec	NEA0/NIA2
 PDCP COUNT	6
 Prev frame	23
 MAC-I	0x4e2086b4













 [Frame 26] 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	24
 MAC-I	0x8de4caff
 BSR LCG0 idx	0
 PHR	17 dB <= PH < 18 dB [idx 50]
 Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]




 [Frame 27] 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

 RNTI	0x4601
 PHR Type2 other-cell	False
 Plane	Signalling
 Bearer	1
 PDCP SN size	12-bit
 Sec	NEA0/NIA2
 PDCP COUNT	8
 Prev frame	27
 MAC-I	0xd4149d1f
 BSR LCG0 idx	0
 PHR	16 dB <= PH < 17 dB [idx 49]
 Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

 [Frame 53] 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=9

 RNTI	0x4601
 PHR Type2 other-cell	False
 Plane	Signalling









 [Frame 55] 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	9
 Prev frame	53
 MAC-I	0xf4c49ad6
 BSR LCG0 idx	0
 PHR	16 dB <= PH < 17 dB [idx 49]
 Pcmax	10 dBm <= Pcmax,f,c < 11 dBm [idx 40]

 DL PDCP SN=7

 RNTI	0x4601
 Plane	Signalling
 Bearer	1
 PDCP SN size	12-bit
 Sec	NEA0/NIA2
 PDCP COUNT	7
 Prev frame	26
 MAC-I	0xe93b8bb7

 [Frame 57] 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: 32.123s)