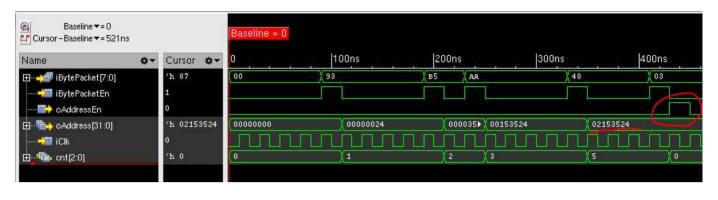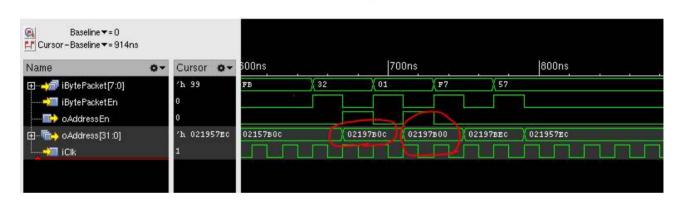시뮬레이션 캡처

Packet 000


```
[000] packet_num = 5  0x93  0xb5  0xaa  0x48  0x03  --> ADDR: 0x02153524
```
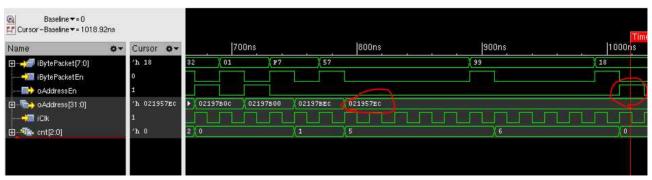
Packet 001-002


```
[001] packet_num = 3  0x87  0xfb  0x32  --> ADDR: 0x02197b0c
```

```
[002] packet_num = 1  0x01  --> ADDR: 0x02197b00
```

Packet 003


```
[003] packet_num = 4  0xf7  0x57  0x99  0x18  --> ADDR: 0x021957ec
```

Checker 결과

```
[000] packet_num = 5  0x93  0xb5  0xaa  0x48  0x03  --> ADDR: 0x02153524
[001] packet_num = 3  0x87  0xfb  0x32  --> ADDR: 0x02197b0c
[002] packet_num = 1  0x01  --> ADDR: 0x02197b00
[003] packet_num = 4  0xf7  0x57  0x99  0x18  --> ADDR: 0x021957ec
[004] packet_num = 4  0xe3  0x84  0xef  0x0b  --> ADDR: 0x02f784c4
[005] packet_num = 4  0x89  0x56  0x9e  0x18  --> ADDR: 0x02f79610
[006] packet_num = 3  0xf5  0xfa  0x00  --> ADDR: 0x02e07ae8
[007] packet_num = 4  0x97  0xd8  0xd6  0x1a  --> ADDR: 0x06ab582c
[008] packet_num = 1  0x41  --> ADDR: 0x06ab5880
[009] packet_num = 5  0xcb  0xbe  0xc0  0xac  0x0e  --> ADDR: 0xcb203e94
(@ 570 ns) RESULT[0]: SUCCESS (0x02153524)
(@ 790 ns) RESULT[1]: SUCCESS (0x02197b0c)
(@ 870 ns) RESULT[2]: SUCCESS (0x02197b00)
(@ 1070 ns) RESULT[3]: SUCCESS (0x021957ec)
(@ 1370 ns) RESULT[4]: SUCCESS (0x02f784c4)
(@ 1670 ns) RESULT[5]: SUCCESS (0x02f79610)
(@ 1830 ns) RESULT[6]: SUCCESS (0x02e07ae8)
(@ 2190 ns) RESULT[7]: SUCCESS (0x06ab582c)
(@ 2290 ns) RESULT[8]: SUCCESS (0x06ab5880)
(@ 2730 ns) RESULT[9]: SUCCESS (0xcb203e94)
[GEN checker] RESULT[0]: SUCCESS (RTL(4):0x02153524)
[GEN checker] RESULT[1]: SUCCESS (RTL(7):0x02197b0c)
[GEN checker] RESULT[2]: SUCCESS (RTL(8):0x02197b00)
[GEN checker] RESULT[3]: SUCCESS (RTL(10):0x021957ec)
[GEN checker] RESULT[4]: SUCCESS (RTL(14):0x02f784c4)
[GEN checker] RESULT[5]: SUCCESS (RTL(16):0x02f79610)
[GEN checker] RESULT[6]: SUCCESS (RTL(19):0x02e07ae8)
[GEN checker] RESULT[7]: SUCCESS (RTL(23):0x06ab582c)
[GEN checker] RESULT[8]: SUCCESS (RTL(24):0x06ab5880)
[GEN checker] RESULT[9]: SUCCESS (RTL(29):0xcb203e94)
```

테스트 벤치 제작

```
Generating Random Packet
VCD info: dumpfile dump.vcd opened for output.
<Generated  1th Packet > Length  2, Has Exception  1, Has Hyp  1, Total Length  4
[Packet  1th] :11101111
[Packet  2th] :01011101
[Packet  3th] :10011111
[Packet  4th] :00111111
   ->Decoded Packet Addr :00000000_00000000_00011101_11011100
<Generated  2th Packet > Length  5, Has Exception  1, Has Hyp  1, Total Length  7
[Packet  1th] :10101001
[Packet  2th] :11010000
[Packet  3th] :10100001
[Packet  4th] :11000010
[Packet  5th] :01001100
[Packet  6th] :10011111
[Packet  7th] :00111111
   ->Decoded Packet Addr :10010000_10010000_11010000_01010000
<Generated  3th Packet > Length  3, Has Exception  0, Has Hyp  0, Total Length  3
[Packet  1th] :10010111
[Packet  2th] :10101100
[Packet  3th] :00011001
   ->Decoded Packet Addr :10010000_10001100_10101100_00101100
<Generated  4th Packet > Length  3, Has Exception  0, Has Hyp  0, Total Length  3
[Packet  1th] :11001111
[Packet  2th] :10011111
[Packet  3th] :00111110
   ->Decoded Packet Addr :10010000_10011111_00011111_10011100
<Generated  5th Packet > Length  3, Has Exception  0, Has Hyp  0, Total Length  3
[Packet  1th] :11110001
[Packet  2th] :11100011
[Packet  3th] :00000110
   ->Decoded Packet Addr :10010000_10000011_01100011_11100000
<Generated  6th Packet > Length  4, Has Exception  1, Has Hyp  0, Total Length  5
[Packet  1th] :10110111
[Packet  2th] :11101110
[Packet  3th] :11011101
[Packet  4th] :01111010
[Packet  5th] :00011111
   ->Decoded Packet Addr :10011110_10101110_11101110_01101100
```