



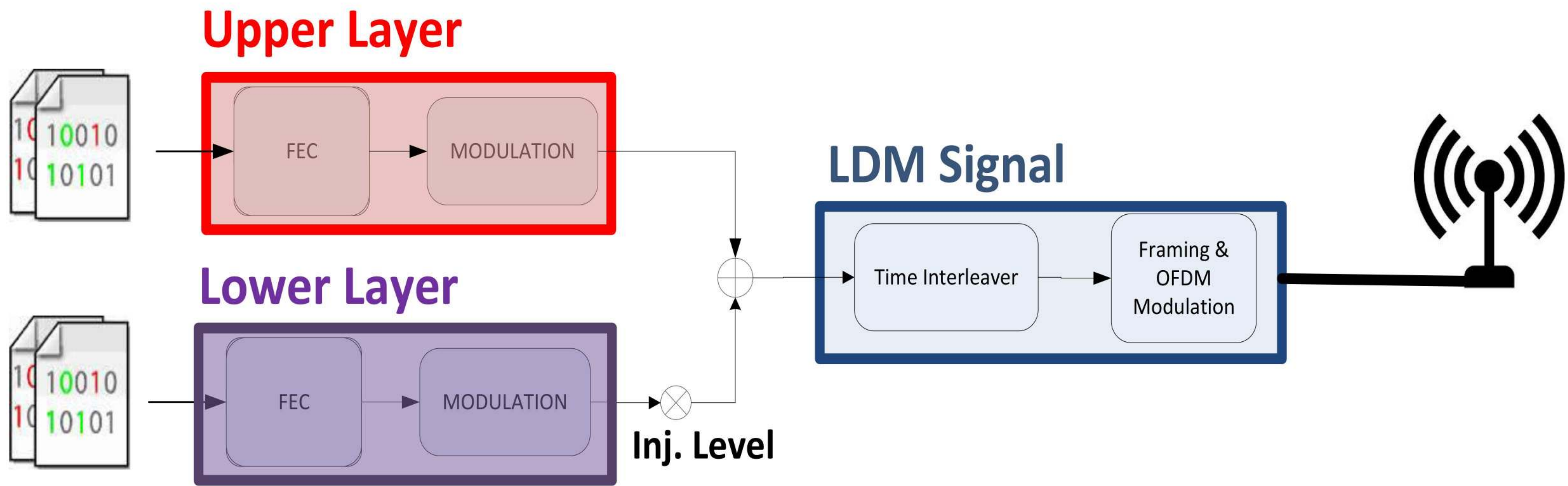
Universidad del País Vasco

Euskal Herriko Unibertsitatea

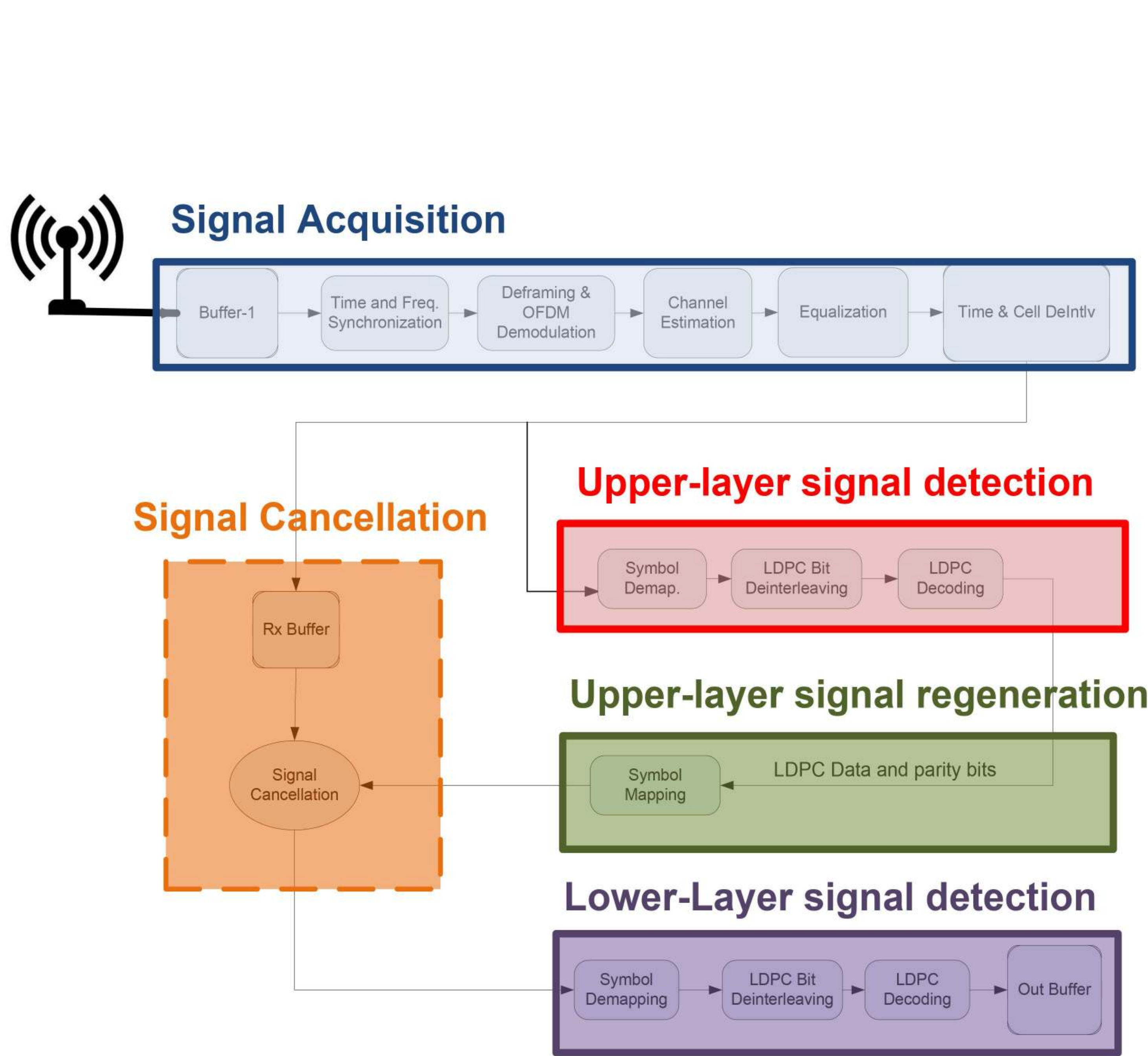
LDM Live Demo

University of the Basque Country (UPV/EHU)

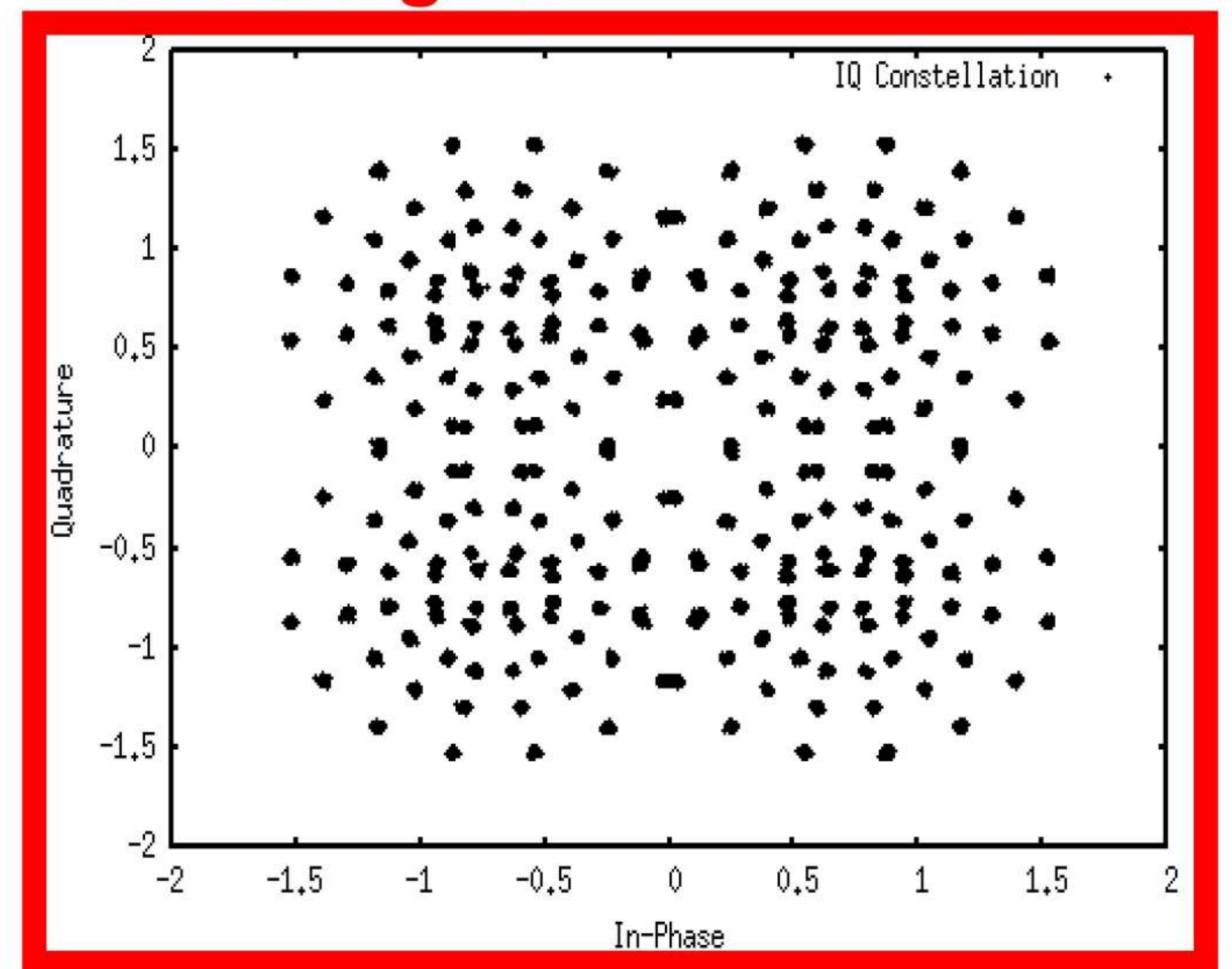
Transmitter



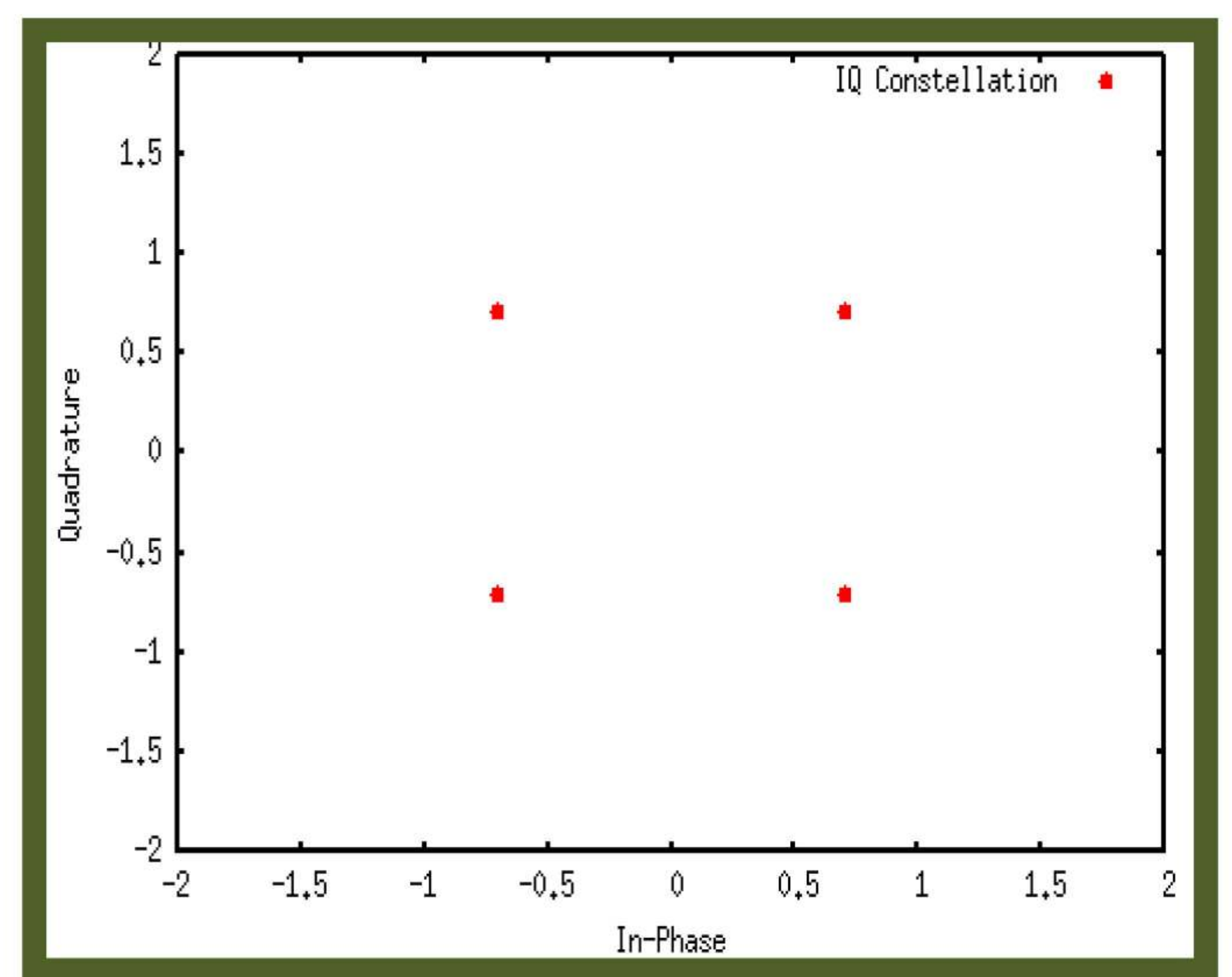
Receiver



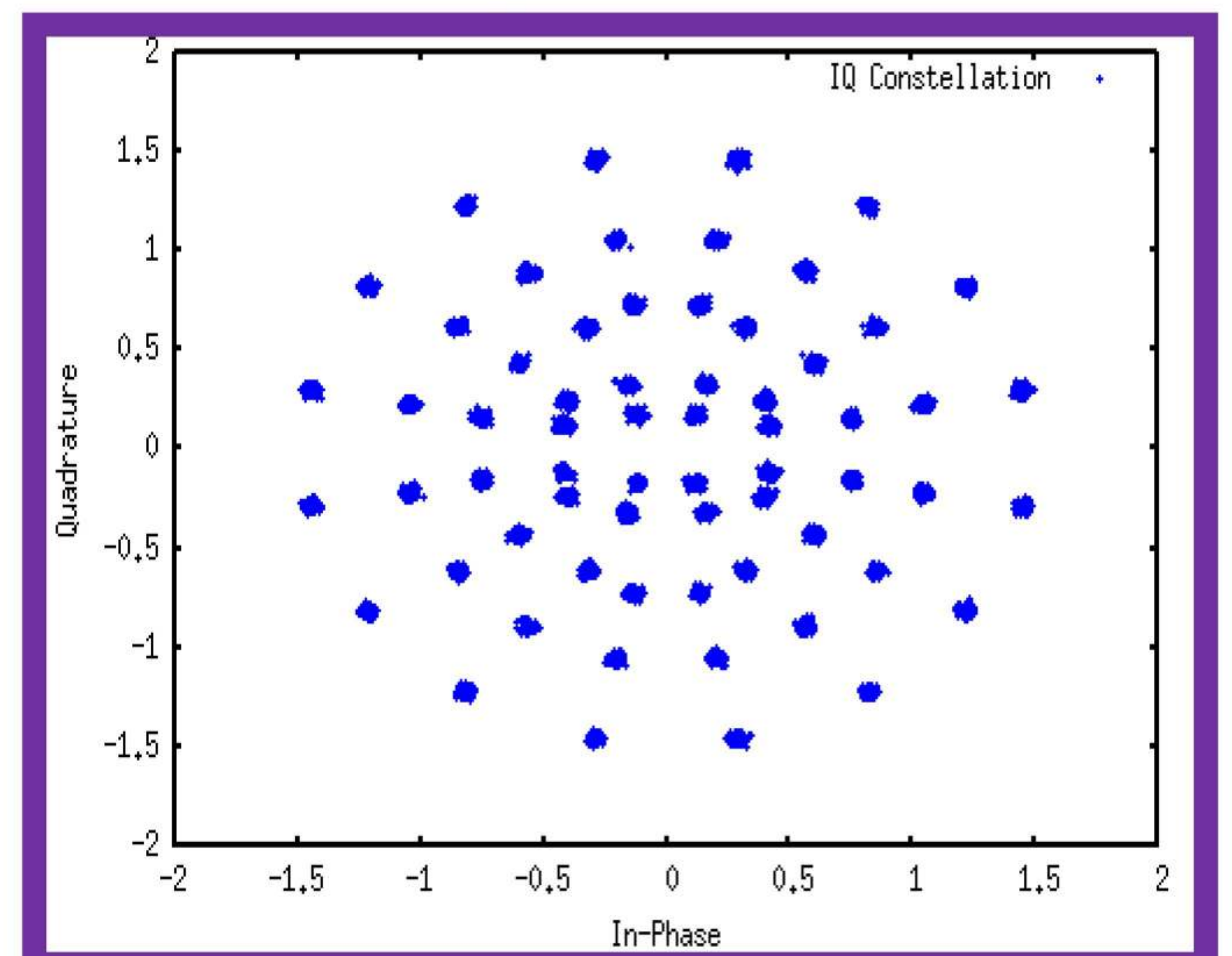
LDM Signal



Upper Layer



Lower Layer



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University of the Basque Country (EHU) ATSC3.0 Receiver

Synchronism:
Status          Synced
P1 Freq. Shift  -0,58 Hz
Norm Freq. Shift -0,0045 Hz
CPE              1,5
Clock Error     -0,0048 ppm
Detected GI     1/8

Equalizer (Lin/Ideal):
Window Pos      27 m / 2 us
Time Filter Size 54 m / 5 us
D. Spread/Ripple 0,042 us / 0,025 dB

Signalling: (L1-PS)
S1/S2/Pre/Post  OK OK OK OK
S1/S2 prob      100% / 100%
FFT Size        16k
Mode            Siso
PilotPattern    PP2
FrameLength     83,63ms

Signal Properties:
CN (dB)         38,02
Power (dBm)    -55,80
Injection (dB) -5,00

Upper Layer (Mobile):
Mode            QPSK, 6/15
Int. Length    71,04ms
WMER (dB)      5,28
MER (dB)       5,28
PreLDPC BER    3,20e-02
PreBCH BER     0,00e+00
LDPC FER       0,00e+00
BCH FER        0,00e+00
LDPC iterations 3
Bitrate (TS)   3,08 Mbps

Lower Layer (Legacy):
Mode            64NUQAM, 10/15
Int. Length    71,04ms
WMER (dB)      33,00
MER (dB)       33,06
PreLDPC BER    1,28e-06
PreBCH BER     0,00e+00
LDPC FER       0,00e+00
BCH FER        0,00e+00
LDPC iterations 1
Bitrate (TS)   10,32 Mbps
  
```

Upper Layer

Lower Layer

For more information:

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