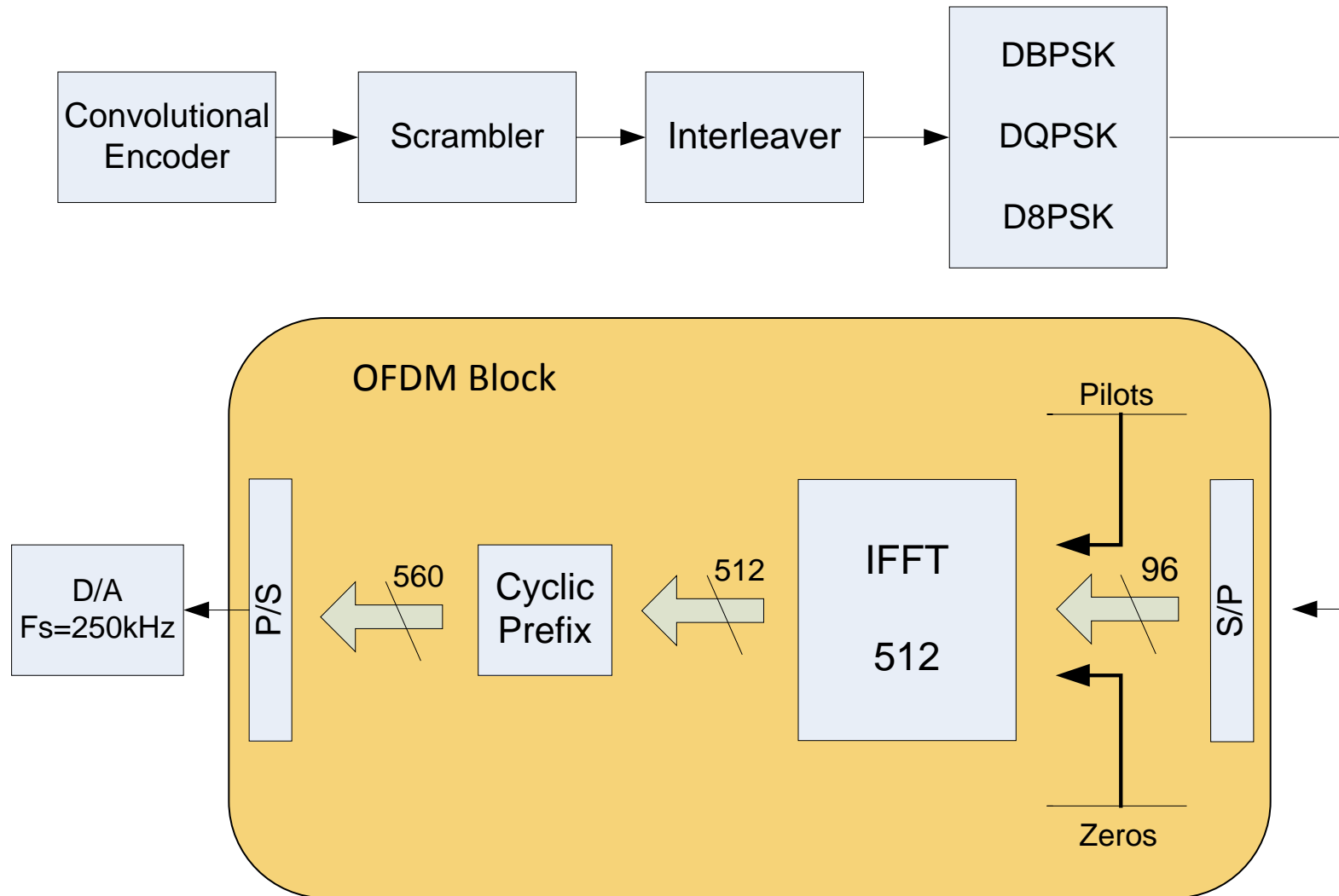
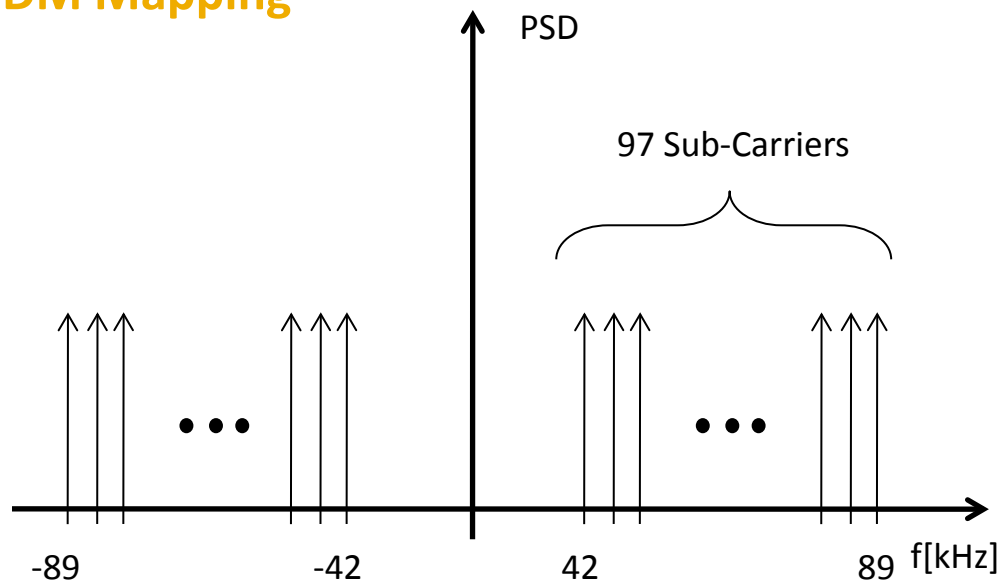


I - PRIME. Transceiver Block Diagram



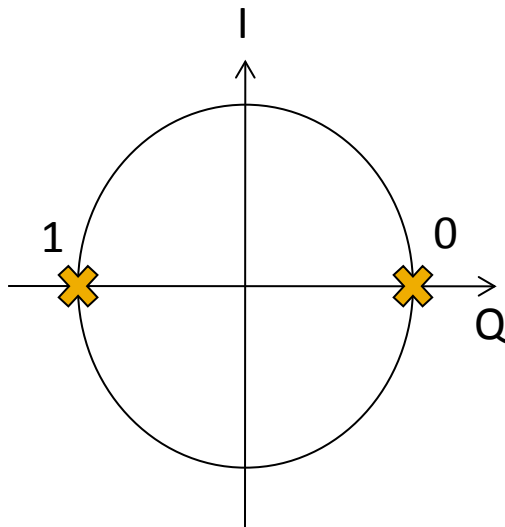
I - PRIME. Transceiver Block Diagram

OFDM Mapping

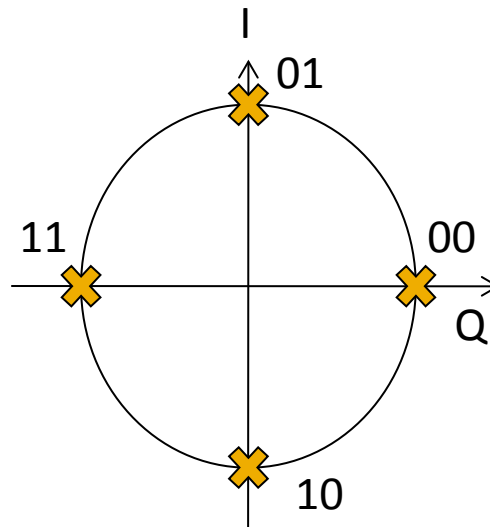


I - PRIME. Transceiver Block Diagram

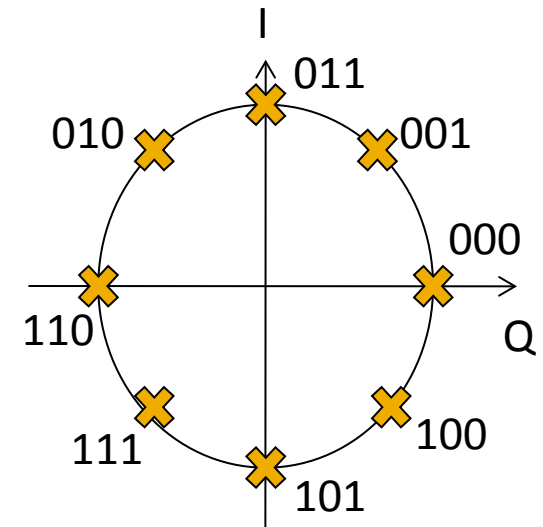
Digital Modulations



Diff. Binary Phase
Shift Keying
(DBPSK)
M bits/s



Diff. Quadrature
Phase Shift Keying
(DQPSK)
2xM bits/s



Diff. 8-Phase
Shift Keying
(D8PSK)
3xM bits/s

I – PRIME parameters. Sum up.

	Digital Mod.	Normal Mode	FEC Mode	Interleaver	DFT Size	Symbol Duration
PRIME	DBPSK DQPSK D8PSK	No coder	Inner	OFDM Symbol	512	2240 μ s

	PRIME	
Mode	FEC	Normal
DBPSK	21.4 kbps	42.9 kbps
DQPSK	42.9 kbps	85.7 kbps
D8PSK	64.3 kbps	128.6 kbps