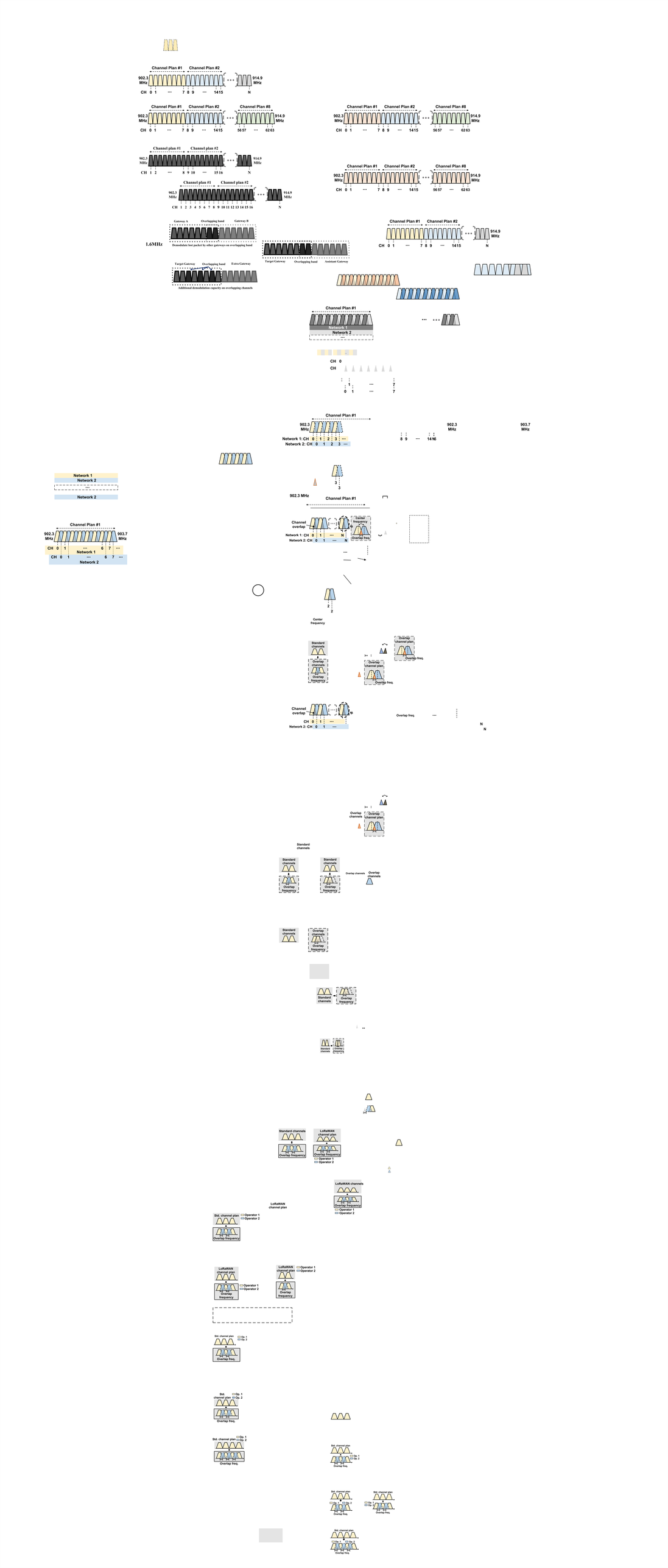
Channel Plan #1
Channel Plan #2
902.3 MHz
914.9 MHz
CH 0 1 ··· 7 8 9 ··· 1415 N
Channel Plan #8
56 57 ··· 62 63
Channel plan #1
Channel plan #2
CH 1 2 ··· 8 9 10 ··· 15 16 N
CH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
1.6MHz
Gateway A
Overlapping band
Gateway B
Demodulates but packet by other gateways on overlapping band
Target Gateway
Overlapping band
Assistant Gateway
Extra Gateway
Additional demodulation capacity on overlapping channels
Network 1
Network 2
CH 0
CH
902.3 MHz
903.7 MHz
Network 1: CH 0 1 2 3 ···
Network 2: CH 0 1 2 3 ···
8 9 ··· 1416
Channel overlap
Center frequency
Overlap freq.
Overlap channels
Overlap channel plan
Standard channels
Overlap frequency
Overlap freq. ···
N
Network 1: CH 0 1 ··· N
Network 2: CH 0 1 ···
Std. channel plan
Op. 1
Op. 2
LoRaWAN channel plan
Operator 1
Operator 2