



EPoC RF Channel Definition

Structure & Control

RF Spectrum Ad Hoc

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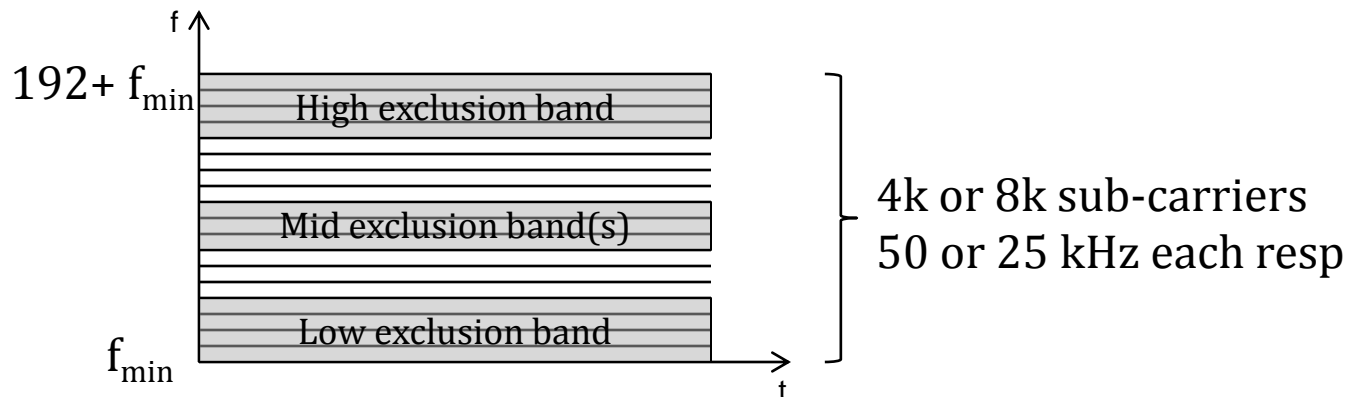
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Defined to date (DS only)

- RF Channel 192 MHz wide sampled at 10.24 MHz
 - (Geneva motion 12)
- High/Low/Mid Exclusion Bands
 - (Geneva motion 10 & Phoenix motion 6)
- Two possible FFT sizes: 4096 or 8192
 - Sub-carriers of 50 or 25 kHz respectively (Phoenix motion 11)



Terms

- RF Channel – the 192 MHz of spectrum defined in GVA-12
- Exclusion Band – a part of the RF Channel in which the PHY is not allowed to transmit. Typically used for: narrowing the RF Channel boundaries, protecting legacy services within the RF Channel, or prevent egress interference.

Spectrum Granularity

Straw Poll #1

- The granularity for setting the Center Frequency (f_c) of the RF Channel should be:

8 MHz 0

6 MHz 0

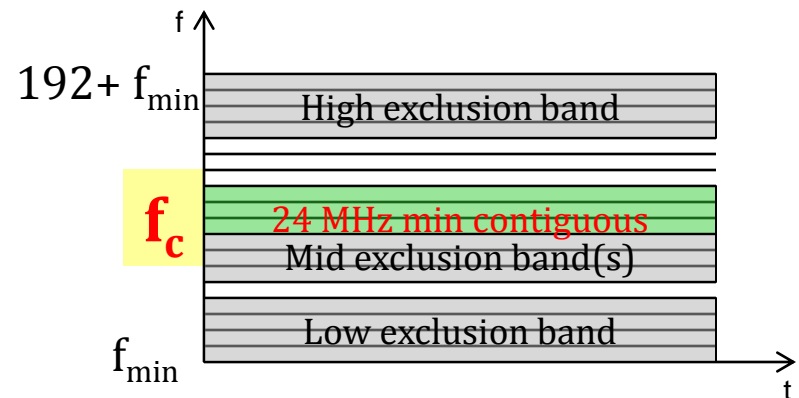
2 MHz 2

1 MHz 8

500 kHz 0

200 kHz 0

Undecided 1



RF Spectrum Upper Bound

Straw Poll #2a

- The system should be capable of communicating an upper bound of the RF spectrum of:

1 GHz ___0___

1.2 GHz ___0___

1.8 GHz ___0___

2.5 GHz ___0___

5.0 GHz _11_

Other _____ GHz

RF Spectrum Upper Bound

Straw Poll #2b

- I prefer the minimum upper bound of the RF spectrum supported by the PHY to be:

	TDD	FDD	
1.0 GHz	<u> 2 </u>	<u> 2 </u>	
1.2 GHz	<u> 3 </u>	<u> 7 </u>	
1.8 GHz	<u> 1 </u>	<u> 1 </u>	
3.0 GHz	<u> 0 </u>	<u> 0 </u>	
Other	<u> 0 </u>	<u> 0 </u>	GHz
Don't know	<u> 5 </u>	<u> 1 </u>	

RF Spectrum Upper Bound

Straw Poll #3a

- I prefer the minimum Lower bound of the RF spectrum supported by the PHY to be:

FDD DS

85 MHz _2_____

108 MHz _6_____

120 MHz _0_____

240 MHz _0_____

300 MHz _0_____

550 MHz _2_____

Other _0.0_____ MHz

Don't know _0_____

RF Spectrum Upper Bound

Straw Poll #3b

- I prefer the minimum Lower bound of the RF spectrum supported by the PHY to be:

TDD (low band)

5 MHz _9____

54 MHz _0____

85 MHz _0____

108 MHz _0____

120 MHz _0____

240 MHz _0____

300 MHz _0____

550 MHz _1____

Other _____ MHz

Don't know _1____