

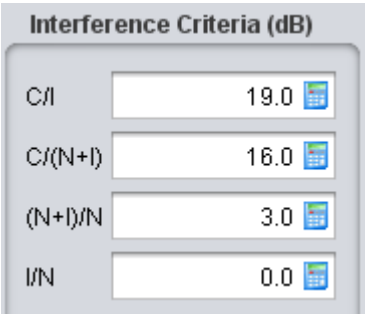
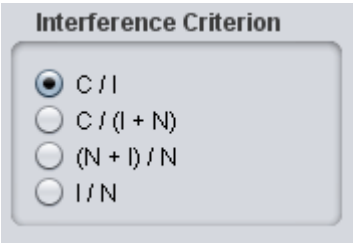
1.4.3 Methodology associated to the interference criterion (C/I, C/(I+N), (N+I)/N, I/N)

Four interference criteria are considered within SEAMCAT:

- C/I : Carrier to interference ratio;
- C/(I+N) : Carrier to interference plus noise ratio;
- (N+I)/N : Desensitisation;
- I/N : Interference to noise ratio.

All of these criteria can be specified as an input to your simulation. (Figure 9), but a single criteria needs to be chosen for the interference calculation (Figure 10). Multiple interference calculations are possible on the same set of results if more than one criterion are used separately. In the example below the criterion for interference to occur for the VLR is a carrier to interference ratio (C/I) less than the minimum allowable value of 19 dB-

These parameters are also used in the evaluation of the two blocking modes (Protection ratio and Sensitivity, see section [1.4.5](#)).

	
Figure 9: Interference criteria values that you provide as input to your simulation	Figure 10: Selection of the interference criteria used for the evaluation of interference (from the Interference Calculation Engine control panel)

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