

1.4.10 Interference calculation

SEAMCAT calculates the probability of interference for generic (i.e. non-cellular) victim systems. Each sample of dRSS and iRSS generated during a simulation is compared against the relevant signal-to-noise criterion (specified in the scenario, such as C/N, C/N+I etc). The probability of interference is calculated for all events where the dRSS is greater than the sensitivity of the victim link receiver ($dRSS > sens$). This probability can be calculated for two different modes, as illustrated in [Figure 271](#) of section [12.9.2](#).

- **Compatibility:** This mode provides a single-figure estimate of the probability of interference in a given interference scenario;
- **Translation:** This mode calculates probability of interference as a function of changing one of the following parameters:

1. Transmitter power of the interfering link transmitter;
2. Blocking response level of the victim link receiver;
3. Intermodulation rejection level for the victim link receiver



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