Introduction

When the cognitive radio mode is activated, SEAMCAT resturns the output vector shown in Figure 251 and described in Table 52.

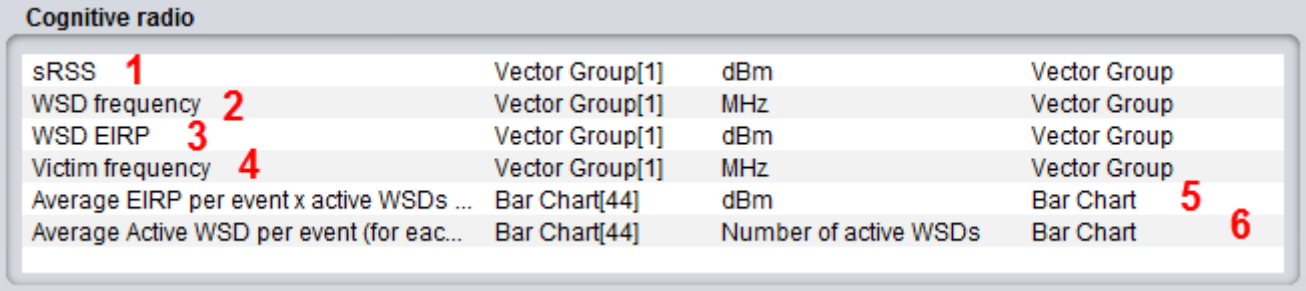

Figure 251: Output vector for the CR

Table 52: Output results for CR simulation

#	Item	Description
1	sRSS	sRSS value calculated at the selected WSD frequency (i.e. where the WSD is allowed to transmit) for each of the event
2	WSD frequency	The actual selected frequency at which the WSDs are allowed to transmit as the result of the spectrum sensing algorithm
3	WSD e.i.r.p.	The actual selected e.i.r.p. at which the WSDs are allowed to transmit as the result of the spectrum sensing algorithm
4	Victim frequency	frequency at which the victim device transmits per event
5	Average e.i.r.p. per event x active WSDs (for each frequency)	average e.i.r.p. per event for all the active WSDs transmitting at a certain frequency
6	Average Active WSD per event (for each frequency)	

At the end of the simulation, SEAMCAT provides a set of output vectors as above. Then you can perform the interference probability calculation as previously described.

Revision #1
Created 2026-04-30 08:16:53 UTC by ECO TECH
Updated 2026-04-30 08:17:42 UTC by ECO TECH