

4. IN SUMMARY

Inherent differences between the technologies		
Characteristic	Broadband (FMCW)	Pulse
Short range target detection	Better	Worse
Long range target detection	Worse	Better
Visibility of close in targets	Better	Worse
Target resolution in azimuth	Same	Same
Target resolution in range	Better	Worse
Sea clutter suppression	Better	Worse
Power requirements	Similar	Similar
Requires standby period	No	Yes
Vulnerability to interference from other radars	Difficult to solve	Easy to solve
Vulnerability to onboard reflectors	Potentially a problem	Not a problem
Potential for future development	Only just begun	Mature technology