

PERFORMANCE CHARACTERISTIC	CVR	SCANNING SUPERHET	IFM	COMPRESS I	VE RECEIVER	CHANNELIZED RECEIVER	ACOUSTO-OPTION RECEIVER		OI GITAL
POI (%) for: CW Pulsed	100 100	100 Depends on signal duty cycle & on	100 100 (if tp>T)	1 -	use 2 in	100 100	100 100		Х
Chirped Frequency Agile (or MFSK)	100 100	sæn spæd Poor Poor	100 100	100 100 _	rallel	100 100	100 100		
 Operation with Multiple Simultaneous Signals	Poor. Get Ampl Distortion		Poor. Measures only highest power signal; with equal power signals, frequency data is erroneous	Excellent		Potentially excellent, but limited if time sharing used	Excellent		X
 Speed of Signal Acquisition	Instantaneous	Slow; depends on scan BW and speed	Instantaneous	)		Potentially instantaneous unless time sharing used	Potentially instantaneou except for detector; int time		Х
Sensitivity, Typical (dBm)	-45 without preampl	-70 to -105 dependent on coverage band and resol BW	-55 to -70 with input preampl and dependent on coverage band		with equiv Degrades narrow	Comparable to equiv BW superhet but slightly worse because of channeliz- ation losses; degrades for tp<1/B	-60, but degrades wit very narrow pulses (tp<100 nS)	h	Х

TABLE 6-3: SUMMARY OF RECEIVER CHARACTERISTICS ON STAND-ALONE BASIS