

TABLE 8-1 Summary of Microwave RF Receivers

Receiver	RF Range (GHz)	Instantaneous Bandwidth	Frequency Accuracy	Frequency Resolution	Sensitivity	Dynamic Range
Wide-band crystal video	0.5–40	very wide	poor	very poor	poor	fair
Instantaneous frequency measurement	0.5–40	very wide	fair	good	fair	good
Narrow band superhet	0.01–40	narrow	good	very good	very good	very good
Wide band superhet	0.5–18	moderate	fair	poor	fair	fair
Channelized	0.5–60	wide	good	fair	good	good
Microscan	0.5–18	wide	very good	good	very good	fair
Acousto-optic	0.5–18	moderate	good	good	good	poor