Specifications in brief

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RF data		
Frequency range		9 kHz to 7.5 GHz
RF input		
Impedance		50 Ω
Preselection	9 kHz to 30 MHz	30 MHz lowpass filter
	20 MHz to 1.5 GHz	tuned bandpass filters
	1.5 GHz to 7.5 GHz	highpass/lowpass filter combination
IF data		
IF spectrum display range		1 kHz to 10 MHz, 1/2/5/10/20/50/100/200/500 kHz, 1/2/5/10 MHz
Display modes		normal (clear/write), average, max. hold, min. hold
IF demodulation bandwidths	16 filters (specified values indicate 3 dB bandwidth)	150/300/60 Hz, 1.5/2.4/6/9/12/15/30/50/120/150/250/300/500 kHz
Demodulation modes	all demodulation bandwidths	AM, FM, pulse, I/Q
	demodulation bandwidth ≤ 9 kHz	LSB
	demodulation bandwidth ≤ 15 kHz	ISB
	demodulation bandwidth ≤ 9 kHz	CW
Scan modes		
Frequency scan (FScan)	start and stop frequency, step width	user-selectable
	scan speed	up to 200 channels/s
Memory scan (MScan)	memory locations	1024, user-programmable
	scan speed	up to 150 channels/s
Panorama scan (PScan)	start and stop frequency	user-selectable
	resolution bandwidths (bin widths)	125/250/500/62 Hz, 1.25/2.5/3.125/6.25/12.5/25/50/100 kHz
	scan speed (RBW = 100 kHz, measurement time = 500 µs, IF spectrum = normal, clear/write, display mode = IF spectrum)	up to 2 GHz/s
DF mode		
Frequency range		20 MHz to 6 GHz
DF method	with R&S®ADD207 or R&S®ADD307 DF antenna, or with R&S®ADD107 DF antenna above 173 MHz	correlative interferometer
	with R&S®ADD107 DF antenna below 173 MHz	Watson-Watt
Display resolution	selectable	0.1° or 1°