

NORMAL SIDEBAND SIGNAL PROCESSING

Band	Signal Input		VFO Injection Frequency	Heterodyning Process In Mixer	I.F. Frequency (Filter Passband)	Carrier Oscillator Frequency	Heterodyning Process In Product Detector	Audio Freq.
	RF Carrier Frequency (Suppressed)	*Sideband Frequencies						
80M	3900 kc	LSB 3899.7 kc to 3897.0 kc	9400.0 kc	subtractive 9400.0 9400.0 3899.7 3897.0 <u>5500.3 5503.0</u>	5500.3 kc to 5503.0 kc USB	5500 kc	subtractive 5500.3 5503.0 5500.0 5500.0 <u>0.3 3.0</u>	300 to 3000 cycle
40M	7100 kc	LSB 7099.7 kc to 7097.0 kc	12600.0 kc	subtractive 12600.0 12600.0 7099.7 7097.0 <u>5500.3 5503.0</u>	5500.3 kc to 5503.0 kc USB	5500 kc	subtractive 5500.3 5503.0 5500.0 5500.0 <u>0.3 3.0</u>	300 to 3000 cycle
20M	14200 kc	USB 14200.3 kc to 14203.0 kc	8700.0 kc	subtractive 14200.3 14203.0 8700.0 8700.0 <u>5500.3 5503.0</u>	5500.3 kc to 5503.0 kc USB	5500 kc	subtractive 5500.3 5503.0 5500.0 5500.0 <u>0.3 3.0</u>	300 to 3000 cycle
15M	21300 kc	USB 21300.3 kc to 21303.0 kc	15800.0 kc	subtractive 21300.3 21303.0 15800.0 15800.0 <u>5500.3 5503.0</u>	5500.3 kc to 5503.0 kc USB	5500 kc	subtractive 5500.3 5503.0 5500.0 5500.0 <u>0.3 3.0</u>	300 to 3000 cycle
10M	28500 kc	USB 28500.3 kc to 28503.0 kc	23000.0 kc	subtractive 28500.3 28503.0 23000.0 23000.0 <u>5500.3 5503.0</u>	5500.3 kc to 5503.0 kc USB	5500 kc	subtractive 5500.3 5503.0 5500.0 5500.0 <u>0.3 3.0</u>	300 to 3000 cycle
*A.F. Modulation from 300 to 3000 cycles.								