

Known Models: HyGain 674, 674A
 J.C. Penney 981-6240, 981-6240A
 Lafayette Telsat SSB-25A, SSB-50, SSB-50A
 Midland 13-894, 13-896, 13-898, 13-898B
 Realistic TRC46
 Sears 934.36770, 934.36771, 934.36772

	Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"		Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"
Ch. 1 (26.965)	7.7766	14.907	14.904	Ch.13 (27.115)	7.8266	14.907	14.904
Ch. 2 (26.975)	"	14.917	14.914	Ch.14 (27.125)	"	14.917	14.914
Ch. 3 (26.985)	"	14.927	14.924	Ch.15 (27.135)	"	14.927	14.924
Ch. 4 (27.005)	"	14.947	14.944	Ch.16 (27.155)	"	14.947	14.944
Ch. 5 (27.015)	7.7933	14.907	14.904	Ch.17 (27.165)	7.8433	14.907	14.904
Ch. 6 (27.025)	"	14.917	14.914	Ch.18 (27.175)	"	14.917	14.914
Ch. 7 (27.035)	"	14.927	14.924	Ch.19 (27.185)	"	14.927	14.924
Ch. 8 (27.055)	"	14.947	14.944	Ch.20 (27.205)	"	14.947	14.944
Ch. 9 (27.065)	7.8100	14.907	14.904	Ch.21 (27.215)	7.8600	14.907	14.904
Ch.10 (27.075)	"	14.917	14.914	Ch.22 (27.225)	"	14.917	14.914
Ch.11 (27.085)	"	14.927	14.924	Ch.23 (27.255)	"	14.947	14.944
Ch.12 (27.105)	"	14.947	14.944				

Additional Crystals: 11.275 MHz AM/USB Carrier Oscillator
 11.272 MHz LSB Carrier Oscillator
 11.730 MHz AM RX Oscillator

Synthesis: [3 x "A"] + "B" - 11.275 MHz = AM/USB carrier; [3 x "A"] + "C" - 11.272 MHz = LSB carrier

Example: For Ch.1 AM, it's [3 x 7.7766] + 14.907 - 11.275 ≈ 26.965 MHz. Note all the 14 MHz crystals are actually being trimmed *up* by 3 KHz. Some later versions of this chassis used the higher crystals, so that Ch.1 AM/USB is 14.910 MHz, LSB is 14.907 MHz, etc. The SSB IF is 11.275 MHz. The 455 KHz second IF for AM is produced by mixing this with a separate 11.730 MHz RX oscillator.

Compliments of:

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