Known Models: JIL Citizen M5

HyGain 674B (HyRange V), 3078 (VIII)

Kraco KCB2340, KB2355

Lafayette Telsat SSB-75, Telsat SSB-100

Midland 13-892, 13-976

Sears 60003

Truetone MIC4737A-67 Unimetrics Stingray II

| | Both RX & TX "A" | Both RX & TX "B" | Both RX & TX "C" | _ | | Both RX & TX "A" | Both RX & TX "B" | Both RX & TX "C" |
|----------------|------------------------|------------------------|------------------------|---|----------------|------------------------|------------------------|------------------------|
| Ch. 1 (26.965) | 23.330 | 14.907 | 11.275 | | Ch.13 (27.115) | 23.480 | 14.907 | 11.275 |
| Ch. 2 (26.975) | " | 14.917 | " | | Ch.14 (27.125) | " | 14.917 | " |
| Ch. 3 (26.985) | " | 14.927 | " | | Ch.15 (27.135) | " | 14.927 | " |
| Ch. 4 (27.005) | " | 14.947 | " | | Ch.16 (27.155) | " | 14.947 | " |
| | | | | | | | | |
| Ch. 5 (27.015) | 23.380 | 14.907 | 11.275 | | Ch.17 (27.165) | 23.530 | 14.907 | 11.275 |
| Ch. 6 (27.025) | " | 14.917 | " | | Ch.18 (27.175) | " | 14.917 | " |
| Ch. 7 (27.035) | " | 14.927 | " | | Ch.19 (27.185) | " | 14.927 | " |
| Ch. 8 (27.055) | " | 14.947 | " | | Ch.20 (27.205) | " | 14.947 | " |
| | | | | | | | | |
| Ch. 9 (27.065) | 23.430 | 14.907 | 11.275 | | Ch.21 (27.215) | 23.580 | 14.907 | 11.275 |
| Ch.10 (27.075) | " | 14.917 | " | | Ch.22 (27.225) | " | 14.917 | " |
| Ch.11 (27.085) | 11 | 14.927 | " | | Ch.23 (27.255) | " | 14.947 | " |
| Ch.12 (27.105) | " | 14.947 | " | | | | | |

Synthesis: "A" + "B" - 11.275 = on-channel frequency (plus USB and LSB offsets)

Example: For Ch.1, [23.330 MHz + 14.907 MHz - 11.275 MHz] = 26.962 MHz. Note all the "B" crystals are adjusted 3 KHz *higher* than the marked values. Separate synthesizer outputs of 38 MHz for AM/USB and 16 MHz for LSB are used. This is a great improvement in unwanted sideband suppression and image rejection over that of a single synthesizer output stage. Made in the good old days when the cost of a few extra parts wasn't so critical! The RX is single-conversion though, with a 11.275 MHz IF.