Known Models: Royce 1-630, 1-631, 1-635, 1-640

	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)	7.779166	14.907	14.904	Ch.13 (27.115)	7.829166	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

	Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"		Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"
Ch. 5 (27.015)	7.795833	14.907	14.904	Ch.17 (27.165)	7.845833	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

	Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"		Both RX & TX "A"	AM/USB Only "B"	LSB Only "C"
Ch. 9 (27.065)	7.812500	14.907	14.904	Ch.21 (27.215)	7.862500	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: 11.730 MHz AM RX Oscillator
11.275 MHz AM/USB Carrier Oscillator
11.272 MHz LSB Carrier 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, we have [3 x 7.779166] + 14.907 - 11.275 ≈ 26.965 MHz. Note all the 14 MHz crystals are actually being trimmed *down* by ~ 4 KHz. Some later versions of this chassis raised all those crystals up while changing the 7 MHz to 23 MHz. 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.