

Known Models: Gemtronics GTX-3000
 Lafayette Micro 923
 Realistic TRC55, TRC101, TRC101B

	Both RX & TX "A"	RX Only "B"	TX Only "C"
Ch. 1 (26.965)	33.000	6.490	6.035
Ch. 2 (26.975)	"	6.480	6.025
Ch. 3 (26.985)	"	6.470	6.015
Ch. 4 (27.005)	"	6.450	5.995

	Both RX & TX "A"	RX Only "B"	TX Only "C"
Ch.13 (27.115)	33.150	6.490	6.035
Ch.14 (27.125)	"	6.480	6.025
Ch.15 (27.135)	"	6.470	6.015
Ch.16 (27.155)	"	6.450	5.995

Ch. 5 (27.015)	33.050	6.490	6.035
Ch. 6 (27.025)	"	6.480	6.025
Ch. 7 (27.035)	"	6.470	6.015
Ch. 8 (27.055)	"	6.450	5.995

Ch.17 (27.165)	33.200	6.490	6.035
Ch.18 (27.175)	"	6.480	6.025
Ch.19 (27.185)	"	6.470	6.015
Ch.20 (27.205)	"	6.450	5.995

Ch. 9 (27.065)	33.100	6.490	6.035
Ch.10 (27.075)	"	6.480	6.025
Ch.11 (27.085)	"	6.470	6.015
Ch.12 (27.105)	"	6.450	5.995

Ch.21 (27.215)	33.250	6.490	6.035
Ch.22 (27.225)	"	6.480	6.025
Ch.23 (27.255)	"	6.450	5.995

Synthesis: "A" - "C" = direct TX carrier frequency;
 "A" - "B" = RX frequency (offset lower by 455 KHz)

Example: For Ch.1, 33.000 MHz - 6.035 MHz = 26.965 MHz, the on-channel TX frequency. During RX, the 6.490 MHz crystal is used, which is exactly 455 KHz higher than 6.035 MHz. This produces the second IF for the receiver. This particular scheme has no fixed high IF, since it must pass a *band* of frequencies from 6.035 MHz to 5.995 MHz; only the 455 KHz second IF is constant.

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