

Known Models: Johnson Messenger 124, 124M, 320, 323, 323A, 323M

	RX & TX	RX & TX	TX Only	RX Only		RX & TX	RX & TX	TX Only	RX Only
	"A"	"B"	"C"	"D"		"A"	"B"	"C"	"D"
Ch. 1 (26.965)	32.845	10.180	4.300	4.755	Ch.13 (27.115)	32.995	10.180	4.300	4.755
Ch. 2 (26.975)	"	10.170	"	"	Ch.14 (27.125)	"	10.170	"	"
Ch. 3 (26.985)	"	10.160	"	"	Ch.15 (27.135)	"	10.160	"	"
Ch. 4 (27.005)	"	10.140	"	"	Ch.16 (27.155)	"	10.140	"	"
Ch. 5 (27.015)	32.895	10.180	4.300	4.755	Ch.17 (27.165)	33.045	10.180	4.300	4.755
Ch. 6 (27.025)	"	10.170	"	"	Ch.18 (27.175)	"	10.170	"	"
Ch. 7 (27.035)	"	10.160	"	"	Ch.19 (27.185)	"	10.160	"	"
Ch. 8 (27.055)	"	10.140	"	"	Ch.20 (27.205)	"	10.140	"	"
Ch. 9 (27.065)	32.945	10.180	4.300	4.755	Ch.21 (27.215)	33.095	10.180	4.300	4.755
Ch.10 (27.075)	"	10.170	"	"	Ch.22 (27.225)	"	10.170	"	"
Ch.11 (27.085)	"	10.160	"	"	Ch.23 (27.255)	"	10.140	"	"
Ch.12 (27.105)	"	10.140	"	"					

Synthesis: "A" – "B" + "C" = direct TX carrier frequency
 "A" – "B" + "D" = RX frequency (TX freq. + 455 KHz)

Example: For Ch.1, [32.845 MHz – 10.180 MHz] = 22.665 MHz; adding the constant TX carrier oscillator, we get [22.665 MHz + 4.300 MHz] = 26.965 MHz. The TX Oscillator in this type of chassis is always equal to the first IF, in this case 4.300 MHz. There's no second RX IF in this circuit.

Compliments of:

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