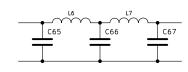


Band Configuration Worksheet

А	L1 L2	160m 3.4uH 29T (18 in) #26 T37-2 (red) 80/40m 1.4uH 19T (13 in) #26 T37-2 (red) 40/30/20m 0.8uH 16T (11 in) #26 T37-6 (yellow) 30/20/17m 0.6uH 14T (10 in) #26 T37-6 (yellow)	T 1 160m 2x4T (2x6 in) #30 BN-43-2402 80/40m 2x4T (2x6 in) #30 BN-43-2402 40/30/20m 2x4T (2x6 in) #30 BN-61-2402 30/20/17m 2x4T (2x6 in) #30 BN-61-2402				
	L3	160m 18.7uH 66T (35 in) #30 T30-2 (red) 80/40m 1.6uH 22T (11 in) #30 T25-2 (red) 40/30/20m 0.9uH 18T (10 in) #30 T25-6 (yellow) 30/20/17m 0.78uH 17T (9 in) #30 T25-6 (yellow)	Т2	160m 1.4uH 18T (12in) 2x9T (2x7 in) #30 T30-2 (red) 80/40m 1.2uH 18T (11 in) 2x9T (2x6 in) #30 T25-2 (red) 40/30/20m 0.69uH 16T (9in) 2x8T (2x7 in) #30 T25-6 (yellow) 30/20/17m 0.6uH 14T (8 in) 2x7T (2x6 in) #30 T25-6 (yellow)			
	L4	160m 30uH 83T (44 in) #30 T30-2 (red) 80/40m 4.7uH 33T (19 in) #30 T30-2 (red) 40/30/20m 2.3uH 25T (15 in) #30 T30-6 (yellow) 30/20/17m 1.6uH 21T (14 in) #30 T30-6 (yellow)	Т3	160m 2x20T (2x12 in) 7.1uH 40T (22 in) #30 T30-2 (red) 80/40m 2x17T (2x10 in) 5.0uH 34T (19 in) #30 T30-2 (red) 40/30/20m 2x13T (2x9 in) 2.43uH 26T (15 in) #30 T30-6 (yellow) 30/20/17m 2x11T (2x8 in) 1.74uH 22T (14 in) #30 T30-6 (yellow)			
В	L5	Power supply RF choke. 4T (6 in) #26 BN-43-2402	Т4	160m 6T (10 in) 2x3T (2x5 in) #30 BN-43-2402 80/40m 6T (10 in) 2x3T (2x5 in) #30 BN-43-2402 40/30/20m 6T (9 in) 2x3T (2x5 in) #30 BN-61-2402 30/20/17m 6T (9 in) 2x3T (2x5 in) #30 BN-61-2402			
	L6 L7	80*/40m 2.5uH 29T (17 in) #26 T37-6 (yellow) 40*/30/20m 1.3uH 18T (12 in) #26 T37-2 (red) 30*/20/17m 0.9uH 15T (10 in) #26 T37-2 (red) * External LPF required to transmit on these bands.	T5	160m 2x4T (2x6 in) 5T (9 in) #30 BN-43-2402 80/40m 2x4T (2x6 in) 5T (9 in) #30 BN-43-2402 40/30/20m 2x3T (2x5 in) 5T (9 in) #30 BN-61-2402 30/20/17m 2x3T (2x5 in) 5T (9 in) #30 BN-61-2402	-		

		R10, R11	C18, C19	R47 C5, C7 C6 C8 C9 C42 C44						C11, C37, C41 C43, C45	Leaded c external C65, C67	LPF	
	160m	1.00k	1500pF	omit	2200pF	4700pF	390pF	5600pF	1000pF	270pF	0.1uF	N/A	N/A
	80/40m	1.00k	1500pF	omit	470pF	820pF	560pF	680pF	220pF	220pF	0.1uF	390pF	1000pF
	40/30/20m	4.99k	390pF	omit	220pF	470pF	330pF	470pF	100pF	100pF	0.1uF	220pF	470pF
	30/20/17m	4.99k	390pF	68.1	150pF	330pF	180pF	220pF	82pF	82pF	0.1uF	100pF	330pF

External LPF



Receiver only mixes with odd harmonics so filters are designed very large. (1/5, 1/3, 3, 5, etc.) Transmitter will mix up on all harmonics (2, 3, 4, etc.) so an external LPF is necessary in some configurations.

File: bands.sch

Sheet: /Band Selection/

Title: AE9RB Peaberry SDR V1							
	Size: User	Date: 8 jan 2013	Rev:				
	KiCad E.D.A.		ld: 4/5				

