



## NOTES:

- 1) This project encompasses both the "ChromaMatic2 Laser Tuning" and "Micromatic2 Microwave Source".
- 2) On the AD9110 Eval Board:
  - Add PLL filter: R37=150 (1608 or 2012)
  - Add PLL filter: C13 ~62nF (1608)
  - Add PLL filter: C15=10nF (1608)
- 3) On ADF4108 Eval Board:
  - Change CP filter: R17=150 (1MHz)
  - Change CP filter: C26=1nF (1MHz)
  - Change CP filter: C12=150pF
  - Change tuning filter: R18=jumper
  - Change tuning filter: C27=out
  - Set Up (CP supply) jumper LK1 to +5V.
- 4) Opt 1 Out: ADF4108EBZ PLL eval board  
 Opt 1 In: ADF4360-5 VCO/PLL eval board  
 Opt 2: Not used

AD9910 Eval Board		
Jmp	Chroma	PC-Ctrl
W1	Disable	Enable
W2	Disable	Enable
W3	Out	Jump
W4	Disable	Enable
W5	Out	Jump
W6	Out	Jump
W7	Both:	ref clk
W11	Both:	Out

Chroma2:File

A2	A1	Date	By	Description
	A.Stummer	Feb 2010		As commissioned on Rev:A PCB
	A.Stummer	Jan 2010		Original release of test board only.
REVISIONS				
University of Toronto			Chroma2 Laser Tuning	
Quantum Optics Group			Micromatic2 uWave Source	
Drawn: A. Stummer Jan 2010			J. Thywissen Labs	
Edited: 28/05/2010 14:23:57			Sheet: 1/2	
			REV: A2	

