

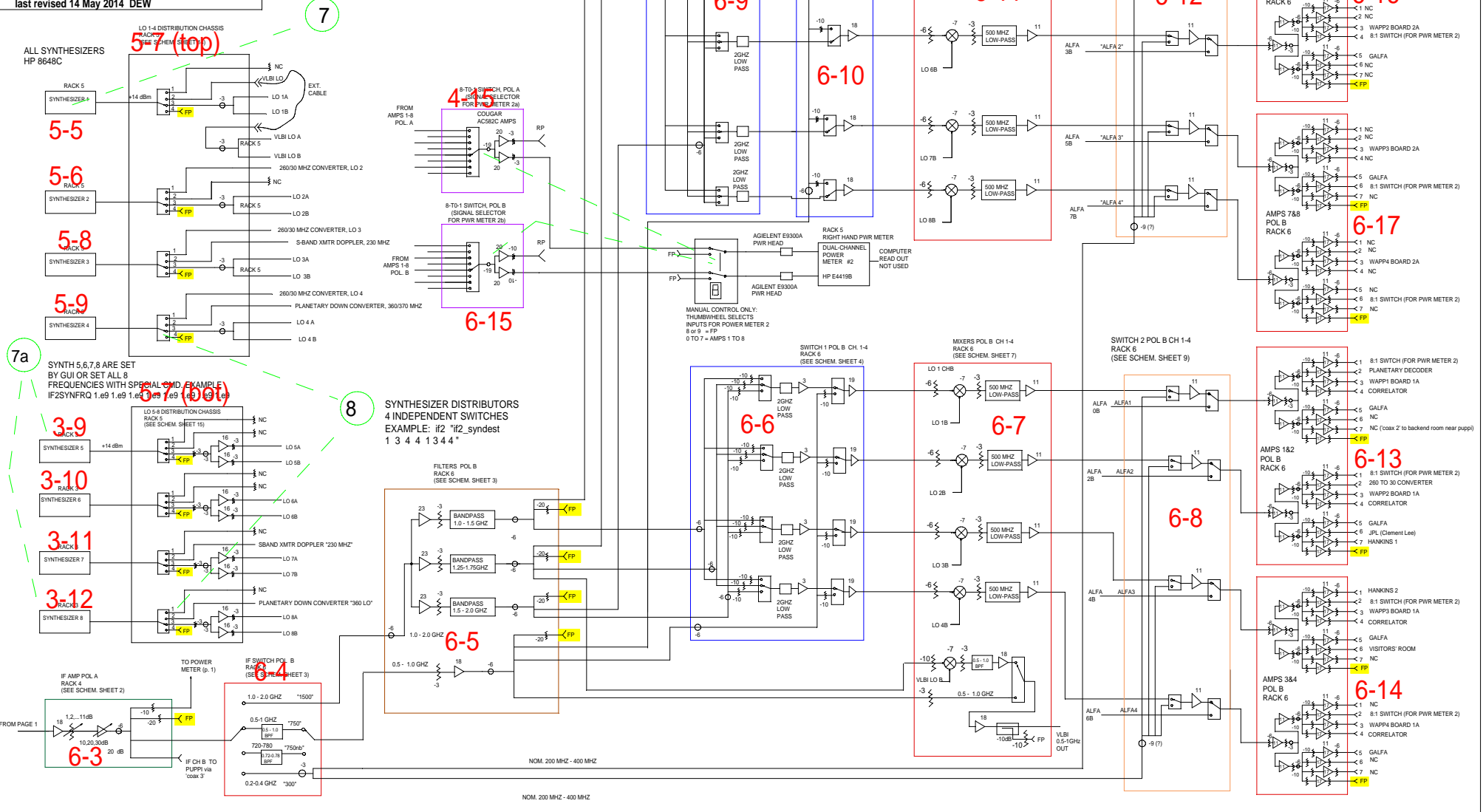
**DOWNSTAIRS IF-LO SYSTEM  
FUNCTIONAL BLOCK DIAGRAM**

**PAGE 2 OF 3: POL. B SIGNAL PATHS,  
LO SYNTHESIZERS, PWR METER 2**

file: ifdm2.fc7  
rev APR. 7, 2005 JBH  
rev. 9 Feb 2009 DEW  
rev 11 Apr 2014 DEW  
last revised 14 May 2014 DEW

SYNTH 1,2,3,4. FREQUENCIES & AMPLITUDES  
(4 INDEPENDENT SWITCHES)  
EXAMPLE: if2 "if2\_synfrq 12100400 1000000  
2000000 500000"  
(SYNTH1 = 1.21004 GHZ, SYNTH2 = 1 MHZ,  
SYNTH3 = 2 MHZ, .... SYNTH8 = 1MHZ)  
EXAMPLE: if2 "if2\_synamp 14.0 14.0  
14.0 14.0"  
(amplitudes in dBm)

NOTE: CHANNEL B  
SIGNAL PATHS ARE  
SWITCHED TOGETHER WITH  
CHANNEL A SIGNAL PATHS



7a SYNTH 5,6,7,8 ARE SET BY GUI OR SET ALL 8 FREQUENCIES WITH SPECIAL CMD. EXAMPLE: IF2SYNFRQ 1.691.691.691.691.691.691.691.691

8 SYNTHESIZER DISTRIBUTORS 4 INDEPENDENT SWITCHES EXAMPLE: if2 "if2\_syndst 1 3 4 4 1 3 4 4"

NOM. 200 MHZ - 400 MHZ