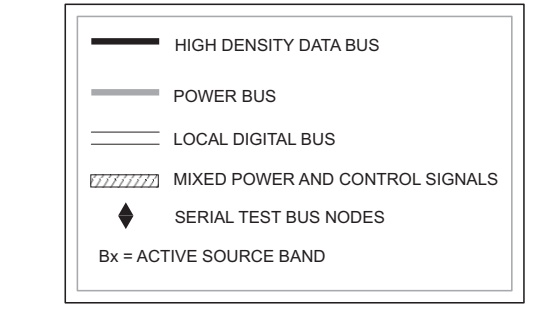
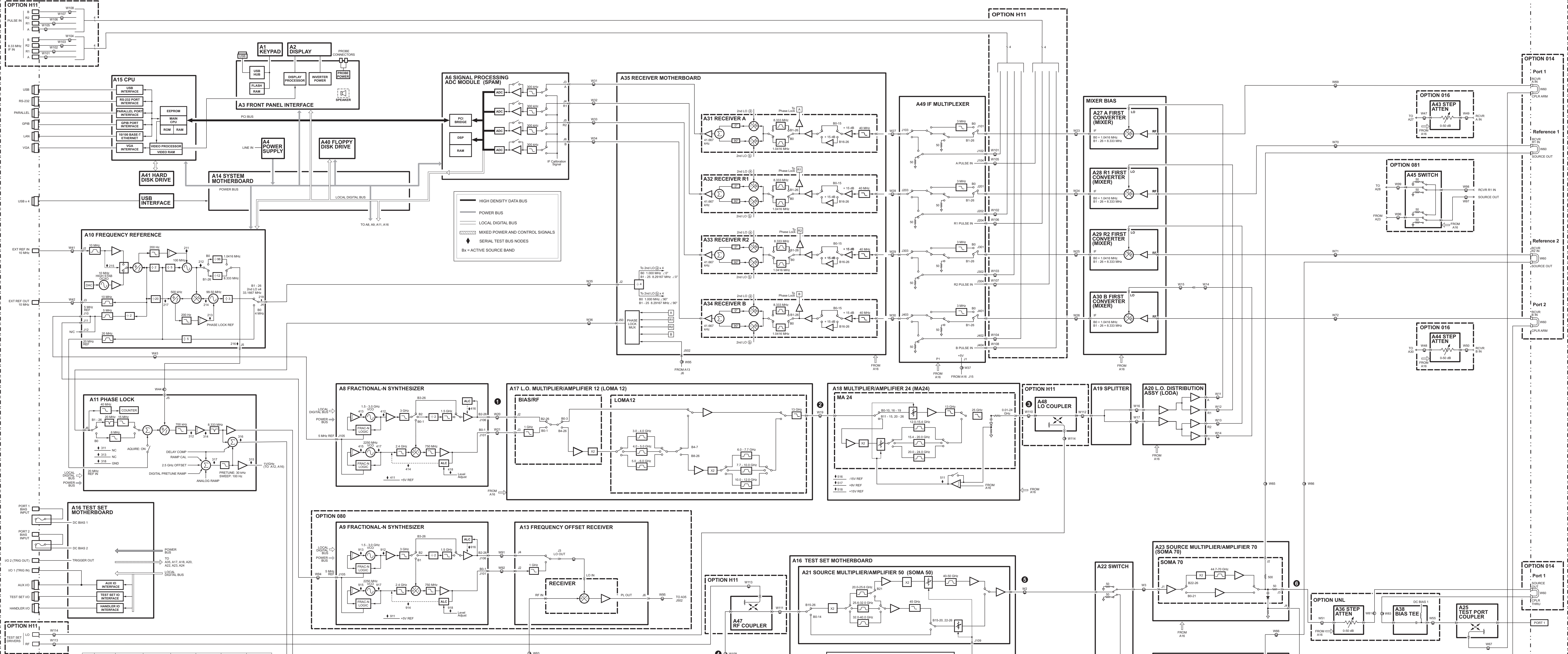


**E8361A Overall Block Diagram**  
 (Includes Options UNL, 014, 016, 080, 081, and H11)  
 Service Guide: E8361-90001



Band	L.O. Harmonic Number (N)	A8 Frac-N Synthesizer Frequency (GHz)	A17 LOMA 12 (L.O.) Frequency (GHz)	A19 LOMA 24 (L.O.) Frequency (GHz)	A20 LODA Frequency (GHz)	A21 SOMA 50 Frequency (GHz)	A23 SOMA 70 Frequency (GHz)	A24 SOMA 70 Frequency (GHz)
0	1	0.011 to 0.046	0.011 to 0.046	0.010 to 0.045	0.010 to 0.045	0.010 to 0.045		
1	1	0.053 to 0.756	0.053 to 0.756	0.051 to 0.748	0.045 to 0.748	0.045 to 0.748		
2	1	0.756 to 1.508	0.756 to 1.508	0.748 to 1.500	0.748 to 1.500	0.748 to 1.500		
3	1	1.508 to 3.000	1.508 to 3.000	1.500 to 3.000	1.500 to 3.000	1.500 to 3.000		
4	1	3.000 to 4.500	3.000 to 4.500	3.000 to 4.500	3.000 to 4.500	3.000 to 4.500		
5	1	4.500 to 6.000	4.500 to 6.000	4.500 to 6.000	4.500 to 6.000	4.500 to 6.000		
6	1	6.000 to 7.500	6.000 to 7.500	6.000 to 7.500	6.000 to 7.500	6.000 to 7.500		
7	1	7.500 to 9.000	7.500 to 9.000	7.500 to 9.000	7.500 to 9.000	7.500 to 9.000		
8	1	9.000 to 10.500	9.000 to 10.500	9.000 to 10.500	9.000 to 10.500	9.000 to 10.500		
9	1	10.500 to 12.000	10.500 to 12.000	10.500 to 12.000	10.500 to 12.000	10.500 to 12.000		
10	1	12.000 to 13.500	12.000 to 13.500	12.000 to 13.500	12.000 to 13.500	12.000 to 13.500		
11	1	13.500 to 15.000	13.500 to 15.000	13.500 to 15.000	13.500 to 15.000	13.500 to 15.000		
12	1	15.000 to 16.500	15.000 to 16.500	15.000 to 16.500	15.000 to 16.500	15.000 to 16.500		
13	1	16.500 to 18.000	16.500 to 18.000	16.500 to 18.000	16.500 to 18.000	16.500 to 18.000		
14	1	18.000 to 19.500	18.000 to 19.500	18.000 to 19.500	18.000 to 19.500	18.000 to 19.500		
15	1	19.500 to 21.000	19.500 to 21.000	19.500 to 21.000	19.500 to 21.000	19.500 to 21.000		
16	3	2.000 to 2.130	8.000 to 8.530	8.000 to 8.530	12.000 to 12.800	24.000 to 25.600	24.000 to 25.600	
17	3	2.130 to 2.500	8.530 to 10.000	8.530 to 10.000	12.800 to 15.000	25.600 to 30.000	25.600 to 30.000	
18	3	2.500 to 2.670	10.000 to 10.670	10.000 to 10.670	15.000 to 16.000	30.000 to 32.000	30.000 to 32.000	
19	3	2.670 to 3.000	10.670 to 12.000	10.670 to 12.000	16.000 to 18.000	32.000 to 36.000	32.000 to 36.000	
20	3	3.000 to 3.167	12.000 to 13.333	12.000 to 13.333	18.000 to 20.000	36.000 to 40.000	36.000 to 40.000	
21	3	3.167 to 3.500	13.333 to 15.000	13.333 to 15.000	20.000 to 22.000	40.000 to 44.000	40.000 to 44.000	
22	3	3.500 to 3.833	15.000 to 16.667	15.000 to 16.667	22.000 to 24.000	44.000 to 48.000	44.000 to 48.000	
23	3	3.833 to 4.167	16.667 to 18.333	16.667 to 18.333	24.000 to 26.000	48.000 to 52.000	48.000 to 52.000	
24	3	4.167 to 4.500	18.333 to 20.000	18.333 to 20.000	26.000 to 28.000	52.000 to 56.000	52.000 to 56.000	
25	3	4.500 to 4.833	20.000 to 21.667	20.000 to 21.667	28.000 to 30.000	56.000 to 60.000	56.000 to 60.000	
26	3	4.833 to 5.167	21.667 to 23.333	21.667 to 23.333	30.000 to 32.000	60.000 to 64.000	60.000 to 64.000	
27	3	5.167 to 5.500	23.333 to 25.000	23.333 to 25.000	32.000 to 34.000	64.000 to 68.000	64.000 to 68.000	
28	3	5.500 to 5.833	25.000 to 26.667	25.000 to 26.667	34.000 to 36.000	68.000 to 72.000	68.000 to 72.000	