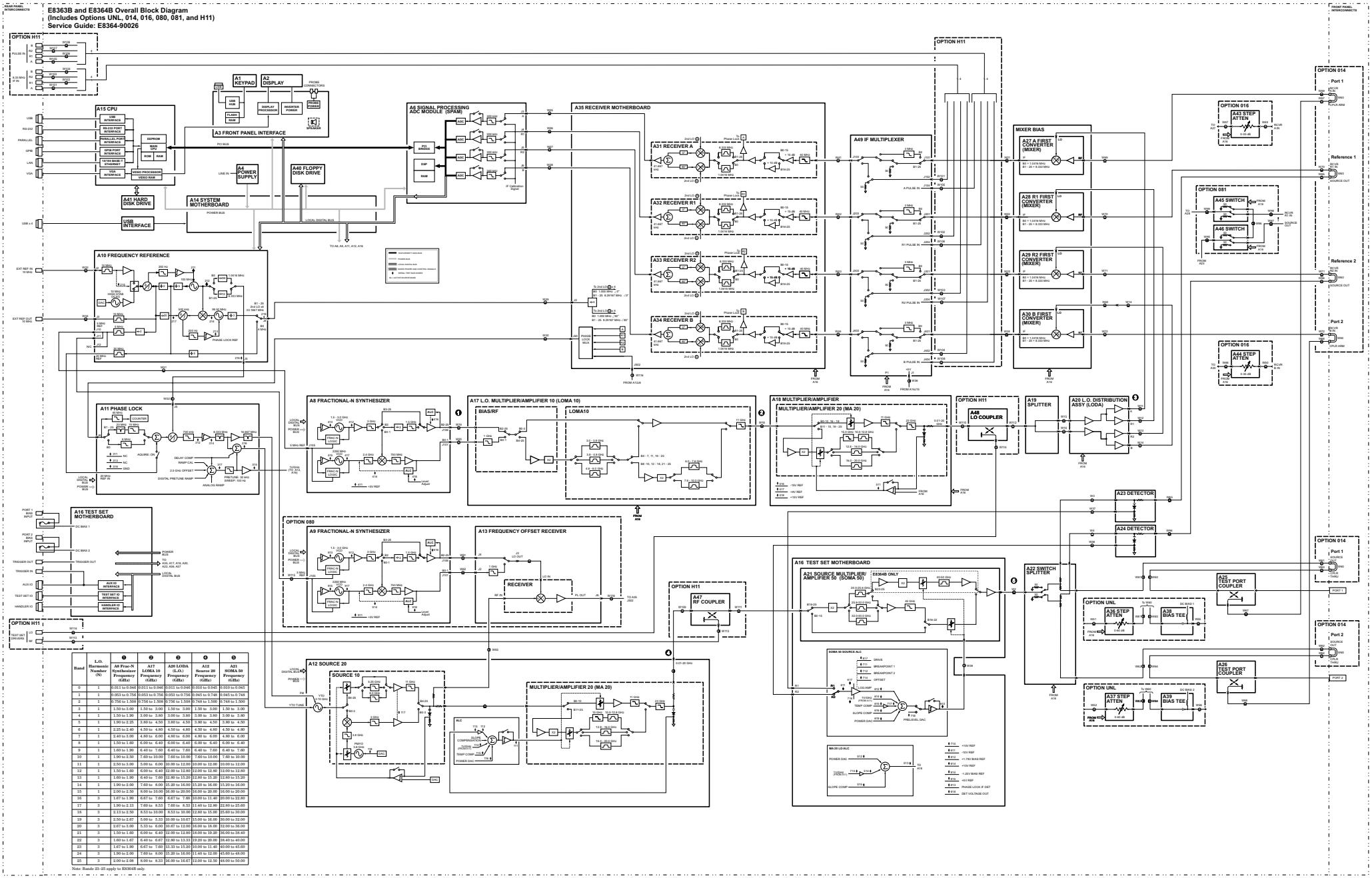
E8363B and E8364B Overall Block Diagram
(Includes Options UNL, 014, 016, 080, 081, and H11)
Service Guide: E8364-90026



Band	L.O. Harmonic Number (N)	❶ A8 Frac-N Synthesizer Frequency (GHz)	❷ A17 LOMA 10 Frequency (GHz)	❸ A20 LODA (L.O.) Frequency (GHz)	❹ A12 Source 20 Frequency (GHz)	❺ A21 SOMA 50 Frequency (GHz)
0	1	0.011 to 0.046	0.011 to 0.046	0.011 to 0.046	0.010 to 0.045	0.010 to 0.045
1	1	0.053 to 0.756	0.053 to 0.756	0.053 to 0.756	0.045 to 0.748	0.045 to 0.748
2	1	0.756 to 1.506	0.756 to 1.506	0.756 to 1.506	0.748 to 1.500	0.748 to 1.500
3	1	1.50 to 3.00	1.50 to 3.00	1.50 to 3.00	1.50 to 3.00	1.50 to 3.00
4	1	1.50 to 1.90	3.00 to 3.80	3.00 to 3.80	3.00 to 3.80	3.00 to 3.80
5	1	1.90 to 2.25	3.80 to 4.50	3.80 to 4.50	3.80 to 4.50	3.80 to 4.50
6	1	2.25 to 2.40	4.50 to 4.80	4.50 to 4.80	4.50 to 4.80	4.50 to 4.80
7	1	2.40 to 3.00	4.80 to 6.00	4.80 to 6.00	4.80 to 6.00	4.80 to 6.00
8	1	1.50 to 1.60	6.00 to 6.40	6.00 to 6.40	6.00 to 6.40	6.00 to 6.40
9	1	1.60 to 1.90	6.40 to 7.60	6.40 to 7.60	6.40 to 7.60	6.40 to 7.60
10	1	1.90 to 2.50	7.60 to 10.00	7.60 to 10.00	7.60 to 10.00	7.60 to 10.00
11	1	2.50 to 3.00	5.00 to 6.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
12	1	1.50 to 1.65	6.00 to 6.40	12.00 to 12.80	12.00 to 12.80	12.00 to 12.80
13	1	1.60 to 1.90	6.40 to 7.60	12.80 to 15.20	12.80 to 15.20	12.80 to 15.20
14	1	1.90 to 2.00	7.60 to 8.00	15.20 to 16.00	15.20 to 16.00	15.20 to 16.00
15	1	2.00 to 2.50	8.00 to 10.00	16.00 to 20.00	16.00 to 20.00	16.00 to 20.00
16	3	1.67 to 1.90	6.67 to 7.60	6.67 to 7.60	10.00 to 11.40	20.00 to 22.80
17	3	1.90 to 2.13	7.60 to 8.53	7.60 to 8.53	11.40 to 12.80	22.80 to 25.60
18	3	2.13 to 2.50	8.53 to 10.00	8.53 to 10.00	12.80 to 15.00	25.60 to 30.00
19	3	2.50 to 2.67	5.00 to 5.33	10.00 to 10.67	15.00 to 16.00	30.00 to 32.00
20	3	2.67 to 3.00	5.33 to 6.00	10.67 to 12.00	16.00 to 18.00	32.00 to 36.00
21	3	1.50 to 1.60	6.00 to 6.40	12.00 to 12.80	18.00 to 19.20	36.00 to 38.40
22	3	1.60 to 1.67	6.40 to 6.67	12.80 to 13.33	19.20 to 20.00	38.40 to 40.00
23	3	1.67 to 1.90	6.67 to 7.60	13.33 to 15.20	10.00 to 11.40	40.00 to 45.60
24	3	1.90 to 2.00	7.60 to 8.00	15.20 to 16.00	11.40 to 12.00	45.60 to 48.00
25	3	2.00 to 2.08	8.00 to 8.33	16.00 to 16.67	12.00 to 12.50	48.00 to 50.00

Note: Bands 23–25 apply to E8364B only.