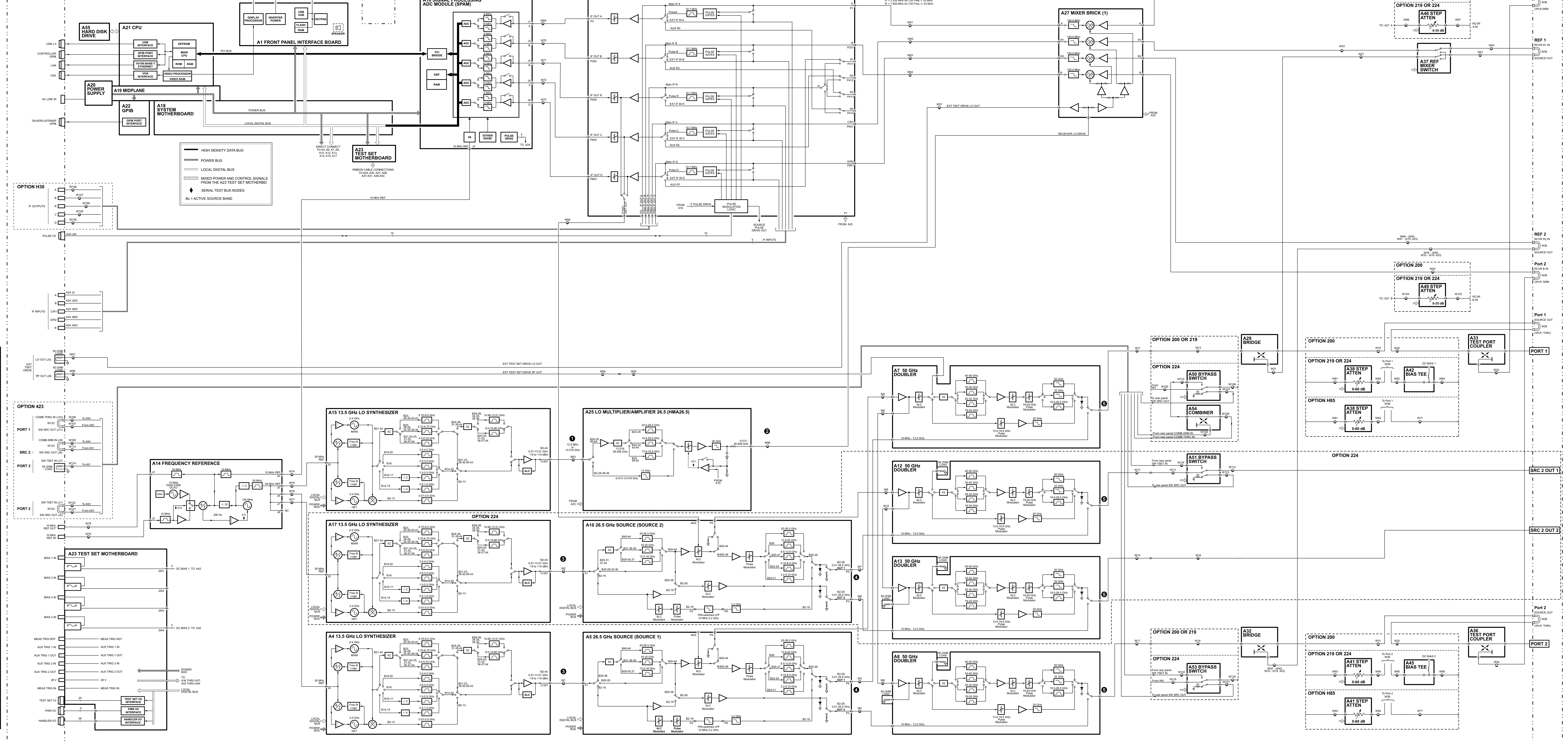


N5244A/45A 2-Port Overall Block Diagram
 (Includes Options 200-Standard; 219-Attenuators
 and Bias Tees; and 224-Source Bypass Switches)
 Service Guide: N5245-90001



Band	Mixer	1	2	3	4	5
Back L.O. Harmonic Number		A15 Synthesizer Frequency (GHz)	A25 MA26.5 Frequency (GHz)	A4/A17 Synthesizer Frequency (GHz)	A5/A10 Source Frequency (GHz)	A7/A8/A12/A13 50 GHz Doubler Frequency (GHz)
0	-	-	-	-	-	-
1	-	-	-	-	-	-
2	1	0.01254 to 0.01654	0.01254 to 0.01654	0.010 to 0.014	0.010 to 0.014	0.010 to 0.014
3	1	0.01654 to 0.02154	0.01654 to 0.02154	0.014 to 0.019	0.014 to 0.019	0.014 to 0.019
4	1	0.02154 to 0.02654	0.02154 to 0.02654	0.019 to 0.027	0.019 to 0.027	0.019 to 0.027
5	1	0.02654 to 0.03154	0.02654 to 0.03154	0.027 to 0.038	0.027 to 0.038	0.027 to 0.038
6	1	0.03154 to 0.03654	0.03154 to 0.03654	0.038 to 0.053	0.038 to 0.053	0.038 to 0.053
7	1	0.03654 to 0.04154	0.03654 to 0.04154	0.053 to 0.075	0.053 to 0.075	0.053 to 0.075
8	1	0.04154 to 0.04654	0.04154 to 0.04654	0.075 to 0.105	0.075 to 0.105	0.075 to 0.105
9	1	0.04654 to 0.05154	0.04654 to 0.05154	0.105 to 0.146	0.105 to 0.146	0.105 to 0.146
10	1	0.05154 to 0.05654	0.05154 to 0.05654	0.146 to 0.205	0.146 to 0.205	0.146 to 0.205
11	1	0.05654 to 0.06154	0.05654 to 0.06154	0.205 to 0.250	0.205 to 0.250	0.205 to 0.250
12	1	0.06154 to 0.06654	0.06154 to 0.06654	0.250 to 0.396	0.250 to 0.396	0.250 to 0.396
13	1	0.06654 to 0.07154	0.06654 to 0.07154	0.396 to 0.500	0.396 to 0.500	0.396 to 0.500
14	1	0.07154 to 0.07654	0.07154 to 0.07654	0.500 to 0.628	0.500 to 0.628	0.500 to 0.628
15	1	0.07654 to 0.08154	0.07654 to 0.08154	0.628 to 1.000	0.628 to 1.000	0.628 to 1.000
16	1	0.08154 to 0.08654	0.08154 to 0.08654	1.000 to 1.500	1.000 to 1.500	1.000 to 1.500
17	1	0.08654 to 0.09154	0.08654 to 0.09154	1.500 to 2.000	1.500 to 2.000	1.500 to 2.000
18	1	0.09154 to 0.09654	0.09154 to 0.09654	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000
19	1	0.09654 to 0.10154	0.09654 to 0.10154	3.000 to 3.200	3.000 to 3.200	3.000 to 3.200
20	1	0.10154 to 0.10654	0.10154 to 0.10654	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000
21	1	0.10654 to 0.11154	0.10654 to 0.11154	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332
22	1	0.11154 to 0.11654	0.11154 to 0.11654	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752
23	1	0.11654 to 0.12154	0.11654 to 0.12154	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000
24	1	0.12154 to 0.12654	0.12154 to 0.12654	8.000 to 8.500	8.000 to 8.500	8.000 to 8.500
25	1	0.12654 to 0.13154	0.12654 to 0.13154	8.500 to 10.664	8.500 to 10.664	8.500 to 10.664
26	1	0.13154 to 0.13654	0.13154 to 0.13654	10.664 to 12.000	10.664 to 12.000	10.664 to 12.000
27	1	0.13654 to 0.14154	0.13654 to 0.14154	12.000 to 12.800	12.000 to 12.800	12.000 to 12.800
28	1	0.14154 to 0.14654	0.14154 to 0.14654	12.800 to 13.510	12.800 to 13.510	12.800 to 13.510
29	1	0.14654 to 0.15154	0.14654 to 0.15154	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400
30	1	0.15154 to 0.15654	0.15154 to 0.15654	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
31	1	0.15654 to 0.16154	0.15654 to 0.16154	16.000 to 19.000	16.000 to 19.000	16.000 to 19.000
32	1	0.16154 to 0.16654	0.16154 to 0.16654	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
33	1	0.16654 to 0.17154	0.16654 to 0.17154	20.000 to 21.336	20.000 to 21.336	20.000 to 21.336
34	1	0.17154 to 0.17654	0.17154 to 0.17654	21.336 to 24.000	21.336 to 24.000	21.336 to 24.000
35	1	0.17654 to 0.18154	0.17654 to 0.18154	24.000 to 25.000	24.000 to 25.000	24.000 to 25.000
36	1	0.18154 to 0.18654	0.18154 to 0.18654	25.000 to 27.000	25.000 to 27.000	25.000 to 27.000
37	1	0.18654 to 0.19154	0.18654 to 0.19154	27.000 to 32.000	27.000 to 32.000	27.000 to 32.000
38	1	0.19154 to 0.19654	0.19154 to 0.19654	32.000 to 36.500	32.000 to 36.500	32.000 to 36.500
39	1	0.19654 to 0.20154	0.19654 to 0.20154	36.500 to 40.500	36.500 to 40.500	36.500 to 40.500
40	1	0.20154 to 0.20654	0.20154 to 0.20654	40.500 to 42.656	40.500 to 42.656	40.500 to 42.656
41	1	0.20654 to 0.21154	0.20654 to 0.21154	42.656 to 43.500	42.656 to 43.500	42.656 to 43.500
42	1	0.21154 to 0.21654	0.21154 to 0.21654	43.500 to 46.200	43.500 to 46.200	43.500 to 46.200
43	1	0.21654 to 0.22154	0.21654 to 0.22154	46.200 to 48.000	46.200 to 48.000	46.200 to 48.000
44	1	0.22154 to 0.22654	0.22154 to 0.22654	48.000 to 50.000	48.000 to 50.000	48.000 to 50.000