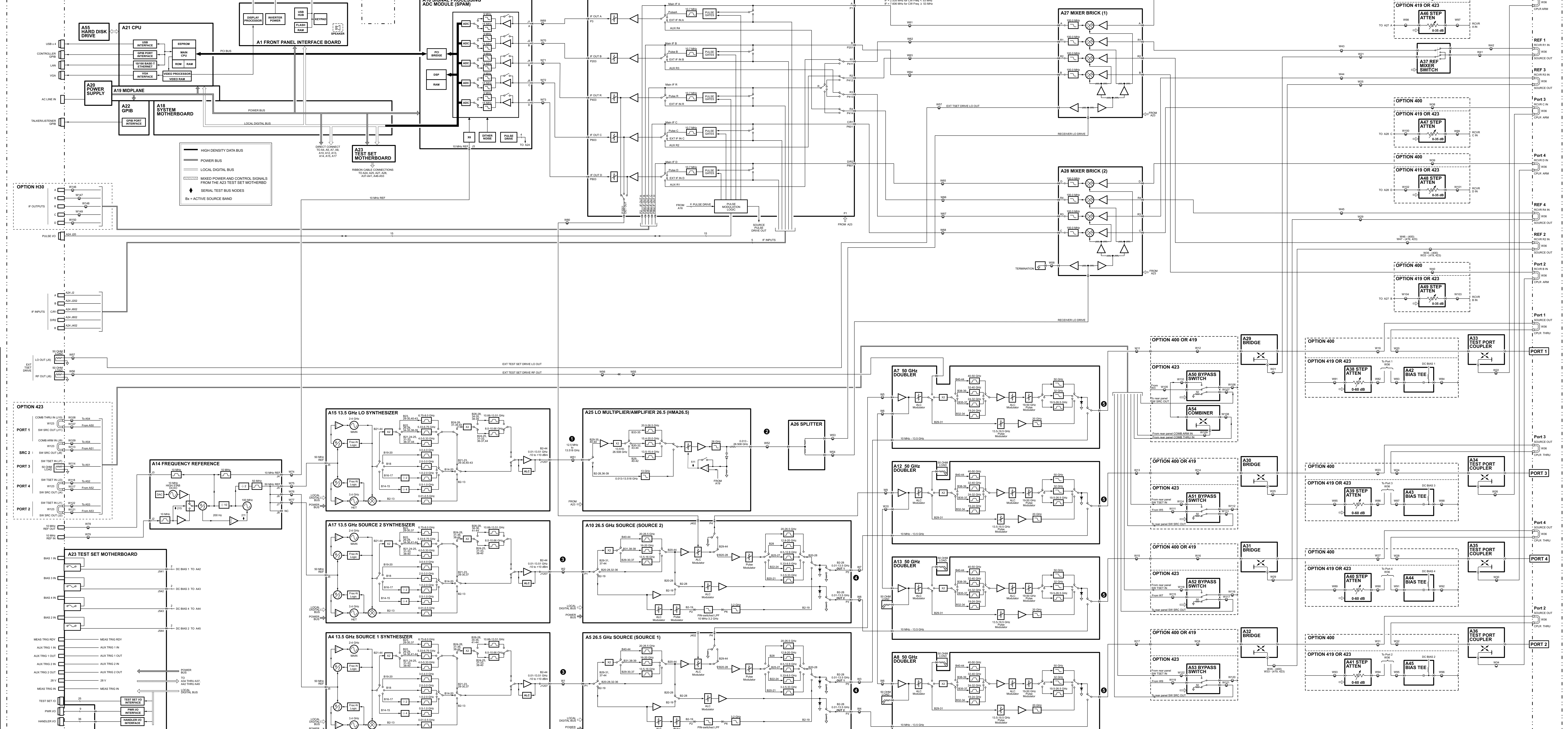


**N5244A/45A 4-Port Overall Block Diagram**  
 (Includes Options 400-Standard, 419-Attenuators and Bias Tees; and 423-Source Bypass Switches)  
 Service Guide: N5245-90001



Band	Mixer	Brick L.O	1	2	3	4	5
Number	Frequency (GHz)	Frequency (GHz)	A15 Synthesizer Frequency (GHz)	A25 MA26.5 Frequency (GHz)	AA1A17 Synthesizer Frequency (GHz)	AA1A10 Source Frequency (GHz)	A7/AB/A12/A13 50 GHz Doubler Frequency (GHz)
0	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-
2	1	0.01254 to 0.01654	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	0.01654 to 0.02154	0.014 to 0.019	0.014 to 0.019	0.014 to 0.019
4	1	0.02154 to 0.02954	0.02154 to 0.02954	0.02154 to 0.02954	0.019 to 0.027	0.019 to 0.027	0.019 to 0.027
5	1	0.02954 to 0.04054	0.02954 to 0.04054	0.02954 to 0.04054	0.027 to 0.038	0.027 to 0.038	0.027 to 0.038
6	1	0.04054 to 0.05554	0.04054 to 0.05554	0.04054 to 0.05554	0.038 to 0.053	0.038 to 0.053	0.038 to 0.053
7	1	0.05554 to 0.08261	0.05554 to 0.08261	0.05554 to 0.08261	0.053 to 0.075	0.053 to 0.075	0.053 to 0.075
8	1	0.08261 to 0.11261	0.08261 to 0.11261	0.08261 to 0.11261	0.075 to 0.105	0.075 to 0.105	0.075 to 0.105
9	1	0.11261 to 0.15361	0.11261 to 0.15361	0.11261 to 0.15361	0.105 to 0.146	0.105 to 0.146	0.105 to 0.146
10	1	0.15361 to 0.21261	0.15361 to 0.21261	0.15361 to 0.21261	0.146 to 0.205	0.146 to 0.205	0.146 to 0.205
11	1	0.21261 to 0.25761	0.21261 to 0.25761	0.21261 to 0.25761	0.205 to 0.250	0.205 to 0.250	0.205 to 0.250
12	1	0.25761 to 0.40361	0.25761 to 0.40361	0.25761 to 0.40361	0.250 to 0.396	0.250 to 0.396	0.250 to 0.396
13	1	0.40361 to 0.50761	0.40361 to 0.50761	0.40361 to 0.50761	0.396 to 0.500	0.396 to 0.500	0.396 to 0.500
14	1	0.50761 to 0.63561	0.50761 to 0.63561	0.50761 to 0.63561	0.500 to 0.628	0.500 to 0.628	0.500 to 0.628
15	1	0.63561 to 1.00761	0.63561 to 1.00761	0.63561 to 1.00761	0.628 to 1.000	0.628 to 1.000	0.628 to 1.000
16	1	1.00761 to 1.50761	1.00761 to 1.50761	1.00761 to 1.50761	1.000 to 1.500	1.000 to 1.500	1.000 to 1.500
17	1	1.50761 to 2.00761	1.50761 to 2.00761	1.50761 to 2.00761	1.500 to 2.000	1.500 to 2.000	1.500 to 2.000
18	1	2.00761 to 3.00761	2.00761 to 3.00761	2.00761 to 3.00761	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000
19	1	3.00761 to 3.20761	3.00761 to 3.20761	3.00761 to 3.20761	3.000 to 3.200	3.000 to 3.200	3.000 to 3.200
20	1	3.20761 to 4.00761	3.20761 to 4.00761	3.20761 to 4.00761	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000
21	1	4.00761 to 5.33961	4.00761 to 5.33961	4.00761 to 5.33961	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332
22	1	5.33961 to 6.75961	5.33961 to 6.75961	5.33961 to 6.75961	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752
23	1	6.75961 to 8.00761	6.75961 to 8.00761	6.75961 to 8.00761	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000
24	1	8.00761 to 8.50761	8.00761 to 8.50761	8.00761 to 8.50761	8.000 to 8.500	8.000 to 8.500	8.000 to 8.500
25	1	8.50761 to 10.67161	8.50761 to 10.67161	8.50761 to 10.67161	8.500 to 10.664	8.500 to 10.664	8.500 to 10.664
26	1	10.67161 to 12.00761	10.67161 to 12.00761	10.67161 to 12.00761	10.664 to 12.000	10.664 to 12.000	10.664 to 12.000
27	1	12.00761 to 12.80761	12.00761 to 12.80761	12.00761 to 12.80761	12.000 to 12.800	12.000 to 12.800	12.000 to 12.800
28	1	12.80761 to 13.51761	12.80761 to 13.51761	12.80761 to 13.51761	12.800 to 13.510	12.800 to 13.510	12.800 to 13.510
29	1	13.51761 to 14.00761	13.51761 to 14.00761	13.51761 to 14.00761	13.510 to 14.000	13.510 to 14.000	13.510 to 14.000
30	1	14.00761 to 16.00761	14.00761 to 16.00761	14.00761 to 16.00761	14.000 to 16.000	14.000 to 16.000	14.000 to 16.000
31	1	16.00761 to 19.00761	16.00761 to 19.00761	16.00761 to 19.00761	16.000 to 19.000	16.000 to 19.000	16.000 to 19.000
32	1	19.00761 to 20.00761	19.00761 to 20.00761	19.00761 to 20.00761	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
33	1	20.00761 to 21.33561	20.00761 to 21.33561	20.00761 to 21.33561	20.000 to 21.328	20.000 to 21.328	20.000 to 21.328
34	1	21.33561 to 24.00761	21.33561 to 24.00761	21.33561 to 24.00761	21.328 to 24.000	21.328 to 24.000	21.328 to 24.000
35	1	24.00761 to 26.50761	24.00761 to 26.50761	24.00761 to 26.50761	24.000 to 26.500	24.000 to 26.500	24.000 to 26.500
36	3	8.5387 to 9.0050	8.5387 to 9.0050	8.5387 to 9.0050	13.250 to 13.504	13.250 to 13.504	26.500 to 27.008
37	3	9.0050 to 10.6690	9.0050 to 10.6690	9.0050 to 10.6690	8.700 to 8.000	13.504 to 16.000	27.008 to 30.000
38	3	10.6690 to 12.1620	10.6690 to 12.1620	10.6690 to 12.1620	8.000 to 9.125	16.000 to 18.250	30.000 to 36.500
39	3	12.1620 to 13.5054	12.1620 to 13.5054	12.1620 to 13.5054	9.125 to 10.125	18.250 to 20.250	36.500 to 40.500
40	3	13.5054 to 14.2210	13.5054 to 14.2210	13.5054 to 14.2210	10.125 to 10.664	20.250 to 21.328	40.500 to 42.656
41	3	14.2210 to 14.5054	14.2210 to 14.5054	14.2210 to 14.5054	10.664 to 10.875	21.328 to 21.750	42.656 to 43.500
42	3	14.5054 to 15.4024	14.5054 to 15.4024	14.5054 to 15.4024	10.875 to 11.550	21.750 to 23.100	43.500 to 46.200
43	3	15.4024 to 16.0024	15.4024 to 16.0024	15.4024 to 16.0024	11.550 to 12.000	23.100 to 24.000	46.200 to 48.000
44	3	16.0024 to 16.6620	16.0024 to 16.6620	16.0024 to 16.6620	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000