

**N5244A/45A 4-Port Overall Block Diagram (Includes Options 400-Standard; 419-Attenuators and Bias Tees; 423-Combiner, and Source Bypass Switches; H85-Delete Bias Tees; H29-Noise Figure Measurements to 26.5 GHz) Service Guide: N5245-90001**

Band	Miner Brick LO Harmonic Number	1	2	3	4	5
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 10.664	20.000 to 10.664	20.000 to 10.664
34	1	0.17154 to 0.17654	0.17154 to 0.17654	10.664 to 12.000	10.664 to 12.000	10.664 to 12.000
35	1	0.17654 to 0.18154	0.17654 to 0.18154	12.000 to 12.800	12.000 to 12.800	12.000 to 12.800
36	3	8.83587 to 9.00200	8.83587 to 9.00200	13.250 to 13.504	26.500 to 27.008	26.500 to 27.008
37	3	8.80200 to 10.66200	8.80200 to 10.66200	6.752 to 8.000	13.504 to 16.000	27.008 to 32.000
38	3	10.66200 to 12.16200	10.66200 to 12.16200	8.000 to 8.125	16.000 to 18.250	32.000 to 36.500
39	3	12.16200 to 13.50254	12.16200 to 13.50254	9.125 to 10.125	18.250 to 20.250	36.500 to 40.500
40	3	6.75127 to 7.11060	13.50254 to 14.22120	10.125 to 10.664	20.250 to 21.328	40.500 to 42.656
41	3	7.11060 to 7.25127	14.22120 to 14.50254	10.664 to 10.875	21.328 to 21.750	42.656 to 43.500
42	3	7.25127 to 7.70127	14.50254 to 15.40254	10.875 to 11.550	21.750 to 23.100	43.500 to 46.200
43	3	7.70127 to 8.00127	15.40254 to 16.00254	11.550 to 12.000	23.100 to 24.000	46.200 to 48.000
44	3	8.00127 to 8.33460	16.00254 to 16.66200	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000

Test Node	Error Description	Assembly	Frequency Band
8	Unavailable, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unavailable, Source 1, Out 2	A5	0.01 - 13.5 GHz
10	Unavailable, Source 1 Synthesizer	A4	Full Range
11	Unavailable, Source 2, Out 1	A10	0.01 - 13.5 GHz
12	Unavailable, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unavailable, Source 3 Synthesizer	A17	Full Range
14	Unavailable, LO Drive	A25	Full Range
15	Unavailable, LO Synthesizer	A15	Full Range
16	Unavailable, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unavailable, Source 1 Synthesizer, Integrator High	A4	Full Range
18	Unavailable, Source 2 Synthesizer, Integrator Low	A17	Full Range
20	Unavailable, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unavailable, LO Synthesizer, Integrator Low	A15	Full Range
23	Unavailable, LO Synthesizer, Integrator High	A15	Full Range
25	Unavailable, Doubler 1 Plevel	A7	13.5 - 50 GHz
26	Unavailable, Doubler 2 Plevel	A8	13.5 - 50 GHz
27	Unavailable, Doubler 3 Plevel	A12	13.5 - 50 GHz
28	Unavailable, Doubler 4 Plevel	A13	13.5 - 50 GHz
29	Unavailable, Source 1, P4	A5	13.5 - 50 GHz
30	Unavailable, Source 2, P4	A10	13.5 - 50 GHz

