

Band	Mixer Brick L.O. Harmonic Number	1	2	3
		A10 Synthesizer Frequency (GHz)	A4 Synthesizer Frequency (GHz)	A20 MASSQuad A21 MASSY Frequency (GHz)
1	1	0.00121 to 0.00133	0.0003 to 0.000425	0.0003 to 0.000425
2	1	0.00133 to 0.00211	0.000425 to 0.0012	0.000425 to 0.0012
3	1	0.00211 to 0.00841	0.0012 to 0.0075	0.0012 to 0.0075
4	1	0.00998 to 0.25744	0.0075 to 0.250	0.0075 to 0.250
5	1	0.25744 to 0.5074	0.250 to 0.500	0.250 to 0.500
6	1	0.5074 to 1.0074	0.500 to 1.000	0.500 to 1.000
7	1	1.0074 to 2.0074	1.000 to 2.000	1.000 to 2.000
8	1	2.0074 to 3.0074	2.000 to 3.000	2.000 to 3.000
9	1	3.0074 to 4.0074	3.000 to 4.000	3.000 to 4.000
10	1	4.0074 to 5.3394	4.000 to 5.332	4.000 to 5.332
11	1	5.3394 to 6.7594	5.332 to 6.752	5.332 to 6.752
12	1	6.7594 to 8.0074	6.752 to 8.000	6.752 to 8.000
13	1	8.0074 to 10.6714	8.000 to 10.664	8.000 to 10.664
14	1	10.6714 to 13.5174	10.664 to 13.510	10.664 to 13.510
15	3	4.5058 to 5.3358	6.755 to 8.000	13.510 to 16.000
16	3	5.3358 to 5.5591	8.000 to 8.335	16.000 to 16.670
17	3	5.5591 to 6.6691	8.335 to 10.000	16.670 to 20.000

Test Node	Error Description	Assembly	Frequency Band
10	Unleveled, Source 1 Synthesizer	A4	Full Range
15	Unleveled, LO Synthesizer	A10	Full Range
16	Unleveled, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unleveled, Source 1 Synthesizer, Integrator High	A4	Full Range
22	Unleveled, LO Synthesizer, Integrator Low	A10	Full Range
23	Unleveled, LO Synthesizer, Integrator High	A10	Full Range
25	Unleveled, Doubler 1 Prelevel	A22	Full Range

N5231A/32A 4-Port Overall Block Diagram (Includes Options 400-Standard; 416-Configurable Test Set and Source Attenuator) Service Guide: N5232-90001

