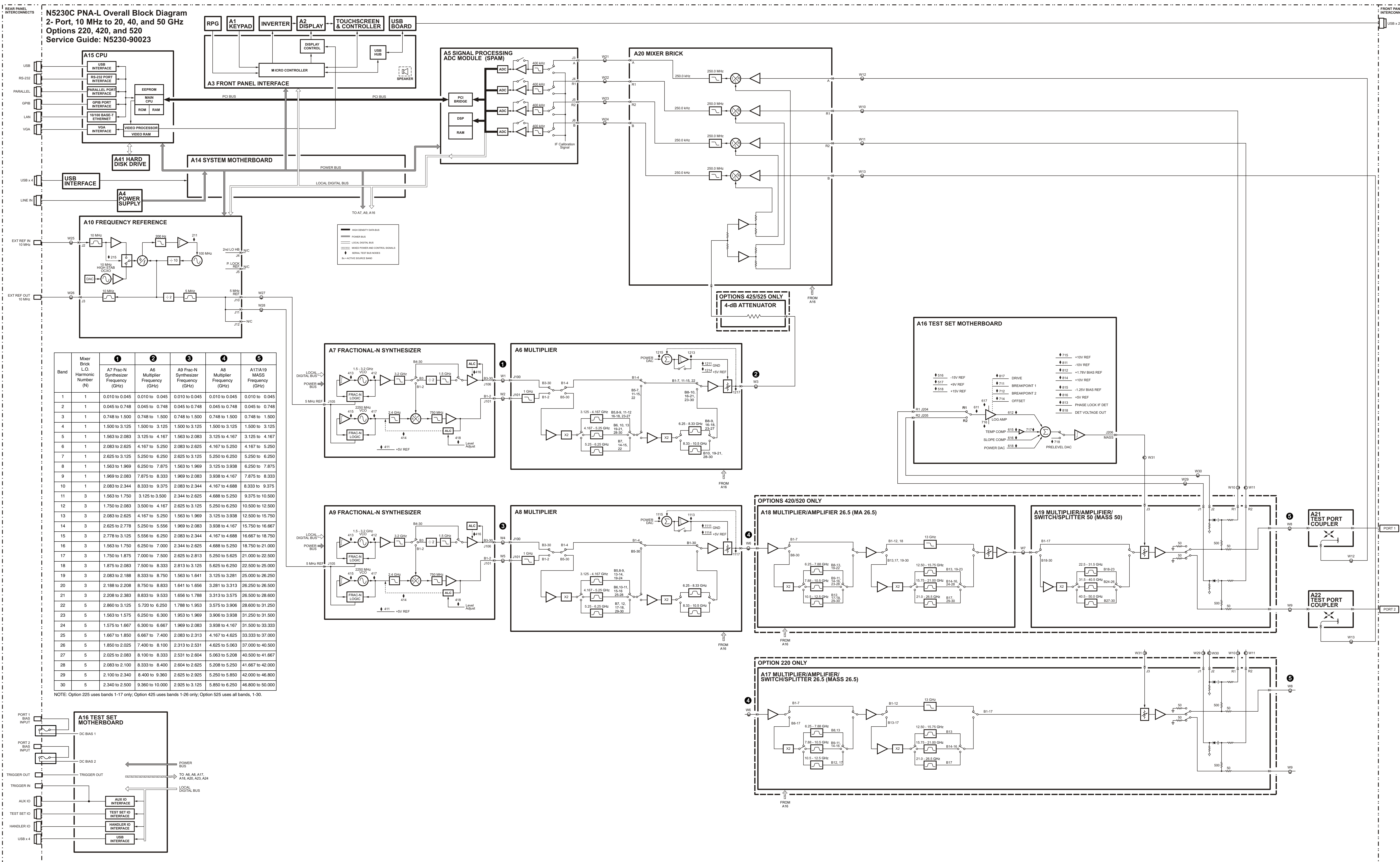


**N5230C PNA-L Overall Block Diagram**  
 2-Port, 10 MHz to 20, 40, and 50 GHz  
 Options 220, 420, and 520  
 Service Guide: N5230-90023



Band	Mixer Brick L.O. Harmonic Number (N)	1	2	3	4	5
1	1	0.010 to 0.045	0.010 to 0.045	0.010 to 0.045	0.010 to 0.045	0.010 to 0.045
2	1	0.045 to 0.748	0.045 to 0.748	0.045 to 0.748	0.045 to 0.748	0.045 to 0.748
3	1	0.748 to 1.500	0.748 to 1.500	0.748 to 1.500	0.748 to 1.500	0.748 to 1.500
4	1	1.500 to 3.125	1.500 to 3.125	1.500 to 3.125	1.500 to 3.125	1.500 to 3.125
5	1	1.563 to 2.083	3.125 to 4.167	1.563 to 2.083	3.125 to 4.167	3.125 to 4.167
6	1	2.083 to 2.625	4.167 to 5.250	2.083 to 2.625	4.167 to 5.250	4.167 to 5.250
7	1	2.625 to 3.125	5.250 to 6.250	2.625 to 3.125	5.250 to 6.250	5.250 to 6.250
8	1	1.563 to 1.969	6.250 to 7.875	1.563 to 1.969	3.125 to 3.938	6.250 to 7.875
9	1	1.969 to 2.083	7.875 to 8.333	1.969 to 2.083	3.938 to 4.167	7.875 to 8.333
10	1	2.083 to 2.344	8.333 to 9.375	2.083 to 2.344	4.167 to 4.688	8.333 to 9.375
11	3	1.563 to 1.750	3.125 to 3.500	2.344 to 2.625	4.688 to 5.250	9.375 to 10.500
12	3	1.750 to 2.083	3.500 to 4.167	2.625 to 3.125	5.250 to 6.250	10.500 to 12.500
13	3	2.083 to 2.625	4.167 to 5.250	1.563 to 1.969	3.125 to 3.938	12.500 to 15.750
14	3	2.625 to 2.778	5.250 to 5.556	1.969 to 2.083	3.938 to 4.167	15.750 to 16.667
15	3	2.778 to 3.125	5.556 to 6.250	2.083 to 2.344	4.167 to 4.688	16.667 to 18.750
16	3	1.563 to 1.750	6.250 to 7.000	2.344 to 2.625	4.688 to 5.250	18.750 to 21.000
17	3	1.750 to 1.875	7.000 to 7.500	2.625 to 2.813	5.250 to 5.625	21.000 to 22.500
18	3	1.875 to 2.083	7.500 to 8.333	2.813 to 3.125	5.625 to 6.250	22.500 to 25.000
19	3	2.083 to 2.188	8.333 to 8.750	1.563 to 1.641	3.125 to 3.281	25.000 to 26.250
20	3	2.188 to 2.208	8.750 to 8.833	1.641 to 1.656	3.281 to 3.313	26.250 to 26.500
21	3	2.208 to 2.383	8.833 to 9.533	1.656 to 1.788	3.313 to 3.575	26.500 to 28.600
22	5	2.860 to 3.125	5.720 to 6.250	1.788 to 1.953	3.575 to 3.906	28.600 to 31.250
23	5	1.563 to 1.575	6.250 to 6.300	1.953 to 1.969	3.906 to 3.938	31.250 to 31.500
24	5	1.575 to 1.667	6.300 to 6.667	1.969 to 2.083	3.938 to 4.167	31.500 to 33.333
25	5	1.667 to 1.850	6.667 to 7.400	2.083 to 2.313	4.167 to 4.625	33.333 to 37.000
26	5	1.850 to 2.025	7.400 to 8.100	2.313 to 2.531	4.625 to 5.063	37.000 to 40.500
27	5	2.025 to 2.083	8.100 to 8.333	2.531 to 2.604	5.063 to 5.208	40.500 to 41.667
28	5	2.083 to 2.100	8.333 to 8.400	2.604 to 2.625	5.208 to 5.250	41.667 to 42.000
29	5	2.100 to 2.340	8.400 to 9.360	2.625 to 2.925	5.250 to 5.850	42.000 to 46.800
30	5	2.340 to 2.500	9.360 to 10.000	2.925 to 3.125	5.850 to 6.250	46.800 to 50.000

NOTE: Option 225 uses bands 1-17 only; Option 425 uses bands 1-26 only; Option 525 uses all bands, 1-30.

