



N5230C PNA-L Overall Block Diagram
2-Port Passive Measurement Configuration
300 kHz to 6 GHz and 300 kHz to 13.5 GHz
Service Guide: N5230-90025

Band	Mixer Brick L.O. Harmonic Number (N)	1	2	3	4	5
		A7 Frac-N Synthesizer Frequency (GHz)	A8 Multiplier Frequency (GHz)	A9 Frac-N Synthesizer Frequency (GHz)	A8 Multiplier Frequency (GHz)	A19 SSLAM Frequency (GHz)
0	1	0.008 to 0.009	0.008 to 0.009	0.003 to 0.001	0.003 to 0.001	0.003 to 0.001
1	1	0.009 to 0.018	0.009 to 0.018	0.001 to 0.010	0.001 to 0.010	0.001 to 0.010
2	1	0.018 to 0.048	0.018 to 0.048	0.010 to 0.040	0.010 to 0.040	0.010 to 0.040
3	1	0.048 to 0.756	0.048 to 0.756	0.040 to 0.748	0.040 to 0.748	0.040 to 0.748
4	1	0.756 to 1.508	0.756 to 1.508	0.748 to 1.500	0.748 to 1.500	0.748 to 1.500
5	1	1.508 to 3.133	1.508 to 3.133	1.500 to 3.125	1.500 to 3.125	1.500 to 3.125
6	1	1.566 to 2.087	1.566 to 2.087	1.563 to 2.083	1.563 to 2.083	1.563 to 2.083
7	1	2.087 to 2.629	4.174 to 5.258	2.083 to 2.625	4.167 to 5.250	4.167 to 5.250
8	1	2.629 to 3.129	5.258 to 6.258	2.625 to 3.125	5.250 to 6.250	5.250 to 6.250
9	1	1.564 to 2.085	6.258 to 8.341	1.563 to 2.083	6.250 to 8.333	6.250 to 8.333
10	1	2.085 to 2.627	8.341 to 10.508	2.083 to 2.625	8.333 to 10.500	8.333 to 10.500
11	3	1.751 to 2.085	3.503 to 4.169	2.625 to 3.125	5.250 to 6.250	10.500 to 12.500
12	3	2.085 to 2.251	4.169 to 4.503	1.563 to 1.688	6.250 to 6.750	12.500 to 13.510

NOTE: ALL VALUES IN THE ABOVE TABLE ARE WITH THE SPUR AVOIDANCE FUNCTION OFF.

With spur avoidance OFF:
 With spur avoidance ON, for frequencies below 40 MHz, the IF frequency is set to various values between 1 and 10 MHz to avoid generating spurs.
 It is recommended that troubleshooting be done with spur avoidance OFF to ensure a fixed IF frequency.