N52218 and N52228 2-Port Overall Block Diagram

Including Options 205-Configurable Test Set and LFE;
220-Attenuators, Bias Tees, and LFE

Band	Mixer Bias/LO Harmonic Number	❶ LO Synthesizer Frequency (GHz)	❷ A25 HMA26.5 Frequency (GHz)	❸ RF Synthesizer Frequency (GHz)	A5/A8 Source Frequency (GHz)
0	1				
1	1				
2	1	0.01248 to 0.05548	0.01348 to 0.05548	0.010 to 0.053	0.010 to 0.053
3	1	0.06044 to 0.18244	0.06044 to 0.18244	0.053 to 0.175	0.053 to 0.175
4	1	0.18244 to 0.25744	0.18244 to 0.25744	0.175 to 0.250	0.175 to 0.250
5	1	0.25744 to 0.35074	0.25744 to 0.35074	0.250 to 0.300	0.250 to 0.300
6	1	0.50744 to 0.3.3074	0.50744 to 3.3074	0.500 to 3.200	0.500 to 3.200
7	1	3.3074 to 6.8074	3.3074 to 6.8074	3.200 to 6.000	3.200 to 6.000
8	1	6.0074 to 7.8074	6.0074 to 7.8074	6.000 to 7.800	6.000 to 7.800
9	1	7.8074 to 9.3274	7.8074 to 9.3274	7.800 to 9.320	7.800 to 9.320
10	1	9.3274 to 12.0074	9.3274 to 12.0074	9.320 to 12.000	9.320 to 12.000
11	1	12.0074 to 13.5174	12.0074 to 13.5174	12.000 to 13.510	12.000 to 13.510
12	1	6.7587 to 7.4037	13.5174 to 15.3574	6.759 to 7.400	13.510 to 15.350
13	1	7.4037 to 8.3937	15.3574 to 16.7074	7.400 to 8.350	15.350 to 16.700
14	1	8.3937 to 9.0037	16.7074 to 18.0074	8.350 to 9.000	16.700 to 18.000
15	1	9.0037 to 9.5237	18.0074 to 19.0474	9.000 to 9.520	18.000 to 19.040
16	1	9.5237 to 10.0037	19.0474 to 20.0074	9.520 to 10.000	19.040 to 20.000
17	1	10.0037 to 10.6537	20.0074 to 21.3074	10.000 to 10.650	20.000 to 21.300
18	1	10.6537 to 12.0037	21.3074 to 24.0074	10.650 to 12.000	21.300 to 24.000
19	1	12.0037 to 13.2537	24.0074 to 26.5074	12.000 to 13.250	24.000 to 26.500

Test Node	Error Description	Assembly	Frequency Band
8	Unleveled, Source 1, Out 1	A5	Full Range
9	Unleveled, Source 1, Out 2	A5	Full Range
10	Unleveled, Source 1 Synthesizer	A4	Full Range
11	Unleveled, Source 2, Out 1	A8	Full Range
12	Unleveled, Source 2, Out 2	A8	Full Range
13	Unleveled, Source 2 Synthesizer	A13	Full Range
14	Unleveled, LO Drive	A21	Full Range
15	Unleveled, LO Synthesizer	A11	Full Range
16	Unlocked, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unlocked, Source 1 Synthesizer, Integrator High	A6	Full Range
19	Unlocked, Source 2 Synthesizer, Integrator Low	A13	Full Range
20	Unlocked, Source 2 Synthesizer, Integrator High	A13	Full Range
22	Unlocked, LO Synthesizer, Integrator Low	A11	Full Range
23	Unlocked, LO Synthesizer, Integrator High	A11	Full Range
29	Unleveled, Source 1, PA	A5	13.5 – 26.5 GHz
30	Unleveled, Source 2, PA	A8	13.5 – 26.5 GHz