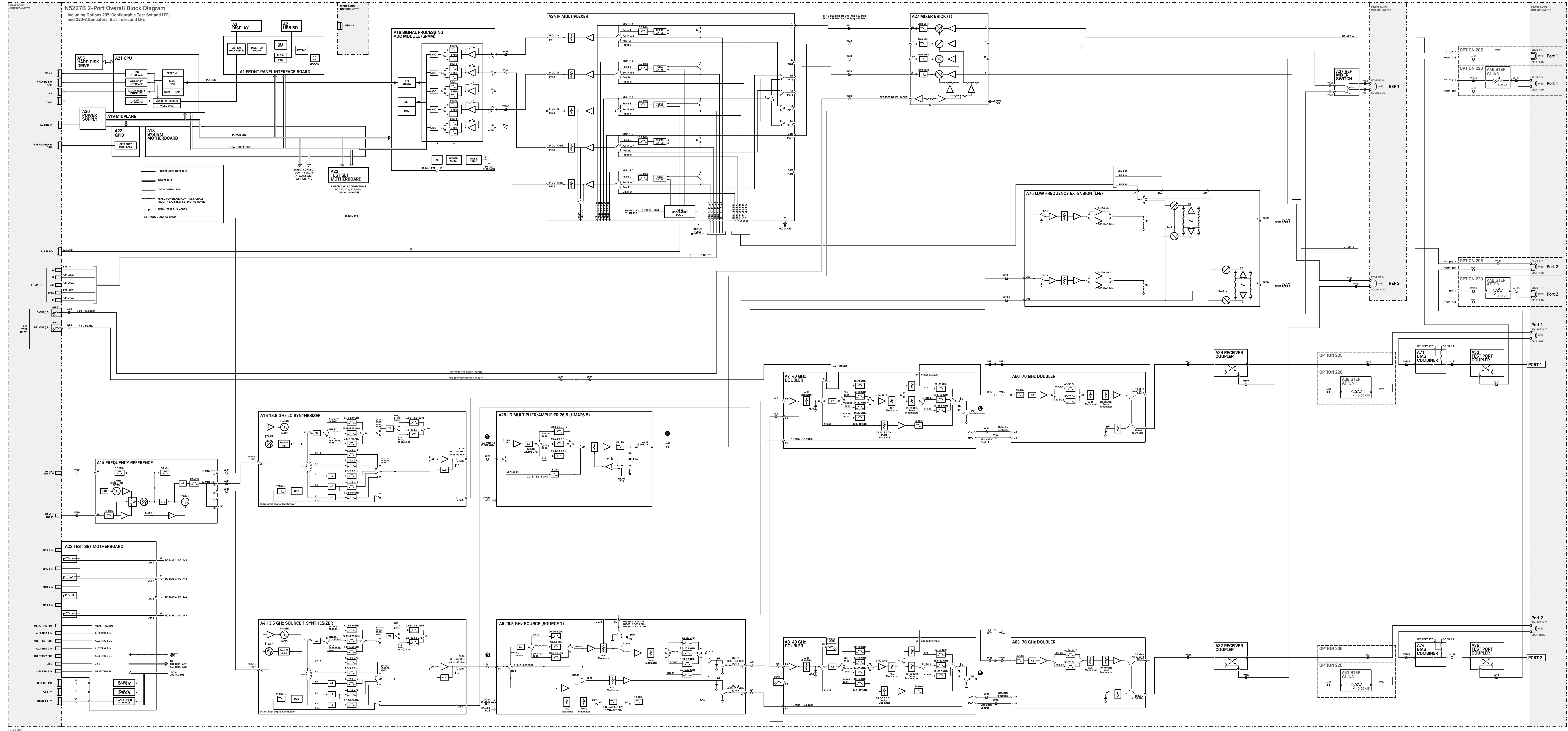


Band	Mixer Brick LO Number	LO Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	RF Synthesizer Frequency (GHz)	A5/A10 Source Frequency (GHz)	A7/A8/A12/A13 40 GHz Doubler Frequency (GHz)	A60 A61/A62/A63 70 GHz Doubler Frequency (GHz)
1	1	0.01083 to 0.05383	0.01083 to 0.05383	0.010 to 0.053	0.010 to 0.053	0.010 to 0.053	0.010 to 0.053
2	1	0.06044 to 0.18244	0.06044 to 0.18244	0.053 to 0.175	0.053 to 0.175	0.053 to 0.175	0.053 to 0.175
3	1	0.18244 to 0.25744	0.18244 to 0.25744	0.175 to 0.250	0.175 to 0.250	0.175 to 0.250	0.175 to 0.250
4	1	0.25744 to 0.50744	0.25744 to 0.50744	0.250 to 0.500	0.250 to 0.500	0.250 to 0.500	0.250 to 0.500
5	1	0.50744 to 1.00744	0.50744 to 1.00744	0.500 to 1.000	0.500 to 1.000	0.500 to 1.000	0.500 to 1.000
6	1	1.00744 to 2.00744	1.00744 to 2.00744	1.000 to 2.000	1.000 to 2.000	1.000 to 2.000	1.000 to 2.000
7	1	2.00744 to 3.00744	2.00744 to 3.00744	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000
8	1	3.00744 to 4.00744	3.00744 to 4.00744	3.000 to 4.000	3.000 to 4.000	3.000 to 4.000	3.000 to 4.000
9	1	4.00744 to 5.33944	4.00744 to 5.33944	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332
10	1	5.33944 to 6.75944	5.33944 to 6.75944	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752
11	1	6.75944 to 8.00744	6.75944 to 8.00744	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000
12	1	8.00744 to 10.67144	8.00744 to 10.67144	8.000 to 10.664	8.000 to 10.664	8.000 to 10.664	8.000 to 10.664
13	1	10.67144 to 13.51744	10.67144 to 13.51744	10.664 to 13.510	10.664 to 13.510	10.664 to 13.510	10.664 to 13.510
14	1	13.51744 to 15.40744	13.51744 to 15.40744	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400
15	1	15.40744 to 16.00374	15.40744 to 16.00374	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
16	1	16.00374 to 18.00374	16.00374 to 18.00374	16.000 to 18.000	16.000 to 18.000	16.000 to 18.000	16.000 to 18.000
17	1	18.00374 to 20.00374	18.00374 to 20.00374	18.000 to 20.000	18.000 to 20.000	18.000 to 20.000	18.000 to 20.000
18	1	20.00374 to 21.32874	20.00374 to 21.32874	20.000 to 21.328	20.000 to 21.328	20.000 to 21.328	20.000 to 21.328
19	1	21.32874 to 24.00774	21.32874 to 24.00774	21.328 to 24.000	21.328 to 24.000	21.328 to 24.000	21.328 to 24.000
20	1	24.00774 to 26.50774	24.00774 to 26.50774	24.000 to 26.500	24.000 to 26.500	24.000 to 26.500	24.000 to 26.500
21	3	26.50774 to 27.00874	26.50774 to 27.00874	26.500 to 27.008	26.500 to 27.008	26.500 to 27.008	26.500 to 27.008
22	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
23	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
24	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
25	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
26	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
27	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
28	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
29	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
30	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
31	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
32	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
33	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
34	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008
35	3	27.00874 to 27.00874	27.00874 to 27.00874	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008	27.000 to 27.008



9	Unavailable, Source 1, Out 2	A5	0.01 - 13.5 GHz
		A32	40
11	Unavailable, Source 2, Out 1	A10	0.01 - 13.5 GHz
		A12	13.5 - 40 GHz
		A20	40 - 70 GHz
12	Unavailable, Source 2, Out 2	A10	0.01 - 13.5 GHz
		A13	13.5 - 40 GHz
13	Unavailable, Source 2 Synthesizer	A31	40 - 70 GHz
14	Unavailable, Source 1 Synthesizer, Integrator High	A4	Full Range
15	Unavailable, Source 2 Synthesizer, Integrator Low	A17	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 High	A17	Full Range
19	Unavailable, Source 2 Synthesizer, Integrator Low	A17	Full Range
20	Unavailable, Source 1 Synthesizer, Integrator High	A4	Full Range
21	Unavailable, Source 1 Synthesizer, Integrator Low	A4	Full Range
22	Unavailable, Source 2 Synthesizer, Integrator High	A17	Full Range
23	Unavailable, Source 2 Synthesizer, Integrator Low	A17	Full Range
24	Unavailable, Doubler 1, Prelevel	A7	13.5 - 70 GHz
25	Unavailable, Doubler 2, Prelevel	A8	13.5 - 70 GHz
26	Unavailable, Doubler 3, Prelevel	A12	13.5 - 70 GHz
27	Unavailable, Doubler 4, Prelevel	A13	13.5 - 70 GHz
28	Unavailable, Source 1, Postlevel	A5	13.5 - 70 GHz
29	Unavailable, Source 2, Postlevel	A10	13.5 - 70 GHz

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