

Bank	Mixer Brick LO Number	① LO Synthesizer Frequency (GHz)	② A25 HMA26.5 Frequency (GHz)	③ RF Synthesizer Frequency (GHz)	A5/A10 Source Frequency (GHz)	A7/A8/A12/A13 50 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
2	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
3	1	0.05044 to 0.18244	0.05044 to 0.18244	0.053 to 0.175	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	0.175 to 0.250
5	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
6	1	0.50744 to 1.0074	0.50744 to 1.0074	0.500 to 1.000	0.500 to 1.000	0.500 to 1.000
7	1	1.0074 to 2.0074	1.0074 to 2.0074	1.000 to 2.000	1.000 to 2.000	1.000 to 2.000
8	1	2.0074 to 3.0074	2.0074 to 3.0074	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000
9	1	3.0074 to 3.2074	3.0074 to 3.2074	3.000 to 3.200	3.000 to 3.200	3.000 to 3.200
10	1	3.2074 to 4.0074	3.2074 to 4.0074	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000
11	1	4.0074 to 5.3394	4.0074 to 5.3394	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332
12	1	5.3394 to 6.7594	5.3394 to 6.7594	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752
13	1	6.7594 to 8.0074	6.7594 to 8.0074	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000
14	1	8.0074 to 10.6714	8.0074 to 10.6714	8.000 to 10.664	8.000 to 10.664	8.000 to 10.664
15	1	10.6714 to 13.5174	10.6714 to 13.5174	10.664 to 13.510	10.664 to 13.510	10.664 to 13.510
16	1	13.5174 to 15.4074	13.5174 to 15.4074	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400
17	1	15.4074 to 16.0074	15.4074 to 16.0074	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
18	1	16.0074 to 18.0074	16.0074 to 18.0074	16.000 to 18.000	16.000 to 18.000	16.000 to 18.000
19	1	18.0074 to 19.0074	18.0074 to 19.0074	18.000 to 19.000	18.000 to 19.000	18.000 to 19.000
20	1	19.0074 to 20.0074	19.0074 to 20.0074	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
20	1	10.0074 to 10.6677	20.0074 to 21.3354	10.000 to 10.664	10.000 to 10.664	20.000 to 21.328
21	1	10.6677 to 12.0037	21.3354 to 24.0074	10.664 to 12.000	10.664 to 12.000	21.328 to 24.000
22	1	12.0037 to 13.2537	24.0074 to 26.5074	12.000 to 13.250	12.000 to 13.250	24.000 to 26.500
23	3	8.0058 to 8.0051	8.0051 to 8.0051	8.000 to 8.000	8.000 to 8.000	8.000 to 8.000
24	3	8.0051 to 10.6691	8.0051 to 10.6691	8.752 to 8.000	13.504 to 16.000	27.008 to 32.000
25	3	10.6691 to 13.5025	10.6691 to 13.5025	8.000 to 10.125	16.000 to 20.250	32.000 to 42.500
26	3	6.7512 to 7.1108	13.5025 to 14.2211	10.125 to 10.664	20.250 to 21.328	40.900 to 42.656
27	3	7.1108 to 7.2512	14.2211 to 14.5025	10.664 to 10.875	21.328 to 21.750	42.656 to 43.500
28	3	7.2512 to 7.7012	14.5025 to 15.4025	10.875 to 11.300	21.750 to 23.100	43.500 to 46.200
29	3	7.7012 to 8.0012	15.4025 to 16.0025	11.550 to 12.000	23.100 to 24.000	46.200 to 48.000
30	3	8.0012 to 8.3346	16.0025 to 16.6691	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000

Test Node	Error Description	Assembly	Frequency Band
8	Unlevelled, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unlevelled, Source 1, Out 2	A7	13.5 - 50 GHz
10	Unlevelled, Source 1, Synthesizer	A8	13.5 - 50 GHz
11	Unlevelled, Source 2, Out 1	A9	Full Range
12	Unlevelled, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unlevelled, Source 2, Synthesizer	A11	13.5 - 50 GHz
14	Unlevelled, LO Drive	A12	13.5 - 50 GHz
15	Unlevelled, LO Synthesizer	A13	13.5 - 50 GHz
16	Unlevelled, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unlevelled, Source 1 Synthesizer, Integrator High	A6	Full Range
18	Unlevelled, Source 2 Synthesizer, Integrator Low	A17	Full Range
19	Unlevelled, Source 2 Synthesizer, Integrator High	A18	Full Range
20	Unlevelled, LO Synthesizer, Integrator Low	A15	Full Range
21	Unlevelled, LO Synthesizer, Integrator High	A16	Full Range
22	Unlevelled, Doubler 1, Prelevel	A7	13.5 - 70 GHz
23	Unlevelled, Doubler 2, Prelevel	A8	13.5 - 70 GHz
24	Unlevelled, Doubler 3, Prelevel	A12	13.5 - 70 GHz
25	Unlevelled, Doubler 4, Prelevel	A13	13.5 - 70 GHz
26	Unlevelled, Source 1, PA	A5	13.5 - 70 GHz
27	Unlevelled, Source 2, PA	A10	13.5 - 70 GHz

