

Bank	Mixer Brick LO Number	① LO Synthesizer Frequency (GHz)	② HMA26.5 Frequency (GHz)	③ RF Synthesizer Frequency (GHz)	④ A5/A10 Source Frequency (GHz)	⑤ A7/A8/A12/A13 40 GHz Doubler Frequency (GHz)	⑥ A60/A61/A62/A63 70 GHz Doubler Frequency (GHz)
1	1	0.01248 to 0.05548	0.01248 to 0.05548	0.010 to 0.053	0.010 to 0.053	0.010 to 0.053	0.010 to 0.053
2	1	0.07248 to 0.12548	0.07248 to 0.12548	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 0.30744	0.25744 to 0.30744	0.250 to 0.300	0.250 to 0.300	0.250 to 0.300	0.250 to 0.300
5	1	0.30744 to 0.35744	0.30744 to 0.35744	0.300 to 0.350	0.300 to 0.350	0.300 to 0.350	0.300 to 0.350
6	1	0.35744 to 0.40744	0.35744 to 0.40744	0.350 to 0.400	0.350 to 0.400	0.350 to 0.400	0.350 to 0.400
7	1	0.40744 to 0.45744	0.40744 to 0.45744	0.400 to 0.450	0.400 to 0.450	0.400 to 0.450	0.400 to 0.450
8	1	0.45744 to 0.50744	0.45744 to 0.50744	0.450 to 0.500	0.450 to 0.500	0.450 to 0.500	0.450 to 0.500
9	1	0.50744 to 0.55744	0.50744 to 0.55744	0.500 to 0.550	0.500 to 0.550	0.500 to 0.550	0.500 to 0.550
10	1	0.55744 to 0.60744	0.55744 to 0.60744	0.550 to 0.600	0.550 to 0.600	0.550 to 0.600	0.550 to 0.600
11	1	0.60744 to 0.65744	0.60744 to 0.65744	0.600 to 0.650	0.600 to 0.650	0.600 to 0.650	0.600 to 0.650
12	1	0.65744 to 0.70744	0.65744 to 0.70744	0.650 to 0.700	0.650 to 0.700	0.650 to 0.700	0.650 to 0.700
13	1	0.70744 to 0.75744	0.70744 to 0.75744	0.700 to 0.750	0.700 to 0.750	0.700 to 0.750	0.700 to 0.750
14	1	0.75744 to 0.80744	0.75744 to 0.80744	0.750 to 0.800	0.750 to 0.800	0.750 to 0.800	0.750 to 0.800
15	1	0.80744 to 0.85744	0.80744 to 0.85744	0.800 to 0.850	0.800 to 0.850	0.800 to 0.850	0.800 to 0.850
16	1	0.85744 to 0.90744	0.85744 to 0.90744	0.850 to 0.900	0.850 to 0.900	0.850 to 0.900	0.850 to 0.900
17	1	0.90744 to 0.95744	0.90744 to 0.95744	0.900 to 0.950	0.900 to 0.950	0.900 to 0.950	0.900 to 0.950
18	1	0.95744 to 1.00744	0.95744 to 1.00744	0.950 to 1.000	0.950 to 1.000	0.950 to 1.000	0.950 to 1.000
19	1	1.00744 to 1.05744	1.00744 to 1.05744	1.000 to 1.050	1.000 to 1.050	1.000 to 1.050	1.000 to 1.050
20	3	9.0091 to 9.5025	9.0091 to 9.5025	6.755 to 7.125	13.510 to 14.250	27.000 to 28.500	27.000 to 28.500
21	3	8.5025 to 10.1358	8.5025 to 10.1358	7.125 to 7.800	14.250 to 15.200	28.500 to 30.400	28.500 to 30.400
22	3	10.1358 to 10.6891	10.1358 to 10.6891	7.800 to 8.000	15.200 to 16.000	30.400 to 32.000	30.400 to 32.000
23	3	10.6891 to 12.0558	10.6891 to 12.0558	8.000 to 9.025	16.000 to 18.000	32.000 to 36.100	32.000 to 36.100
24	3	12.0558 to 12.6958	12.0558 to 12.6958	9.025 to 9.520	18.000 to 19.040	36.100 to 38.080	36.100 to 38.080
25	3	12.6958 to 13.3358	12.6958 to 13.3358	9.520 to 10.000	19.040 to 20.000	38.080 to 40.000	38.080 to 40.000
26	3	13.3358 to 13.9758	13.3358 to 13.9758	10.000 to 10.133	10.000 to 10.133	20.000 to 20.295	40.000 to 40.330
27	3	6.7502 to 7.6709	13.5125 to 15.2758	10.133 to 11.455	10.133 to 11.455	20.295 to 29.800	40.330 to 43.800
28	3	7.6709 to 8.0012	15.2758 to 16.0025	11.455 to 12.000	11.455 to 12.000	22.870 to 24.000	43.820 to 48.000
29	3	8.0012 to 8.3346	16.0025 to 16.6691	12.000 to 12.500	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000
30	3	8.3346 to 8.8346	16.6691 to 17.6691	12.500 to 13.250	12.500 to 13.250	25.000 to 26.500	50.000 to 53.000
31	3	8.8346 to 9.0079	17.6691 to 18.0158	13.250 to 13.510	13.250 to 13.510	26.500 to 27.020	53.000 to 54.040
32	3	9.0079 to 9.5012	18.0158 to 19.1025	13.510 to 14.250	13.510 to 14.250	27.020 to 28.500	54.040 to 57.300
33	3	9.5012 to 10.0779	19.1025 to 20.0358	14.250 to 15.025	14.250 to 15.025	28.500 to 30.500	57.300 to 60.100
34	3	10.0779 to 10.1346	20.0358 to 20.2691	15.025 to 15.200	15.025 to 15.200	30.500 to 30.600	60.100 to 60.800
35	3	10.1346 to 10.6679	20.2691 to 21.3358	15.200 to 16.000	15.200 to 16.000	30.600 to 32.000	60.800 to 64.000
36	3	10.6679 to 11.1466	21.3358 to 22.2691	16.000 to 16.380	16.000 to 16.380	32.000 to 33.400	64.000 to 66.800
37	3	11.1466 to 11.6679	22.2691 to 23.3358	16.380 to 17.500	16.380 to 17.500	33.400 to 35.000	66.800 to 70.000

Test Node	Error Description	Assembly	Frequency Band
8	Unlevel, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unlevel, Source 1, Out 2	A7	13.5 - 40 GHz
10	Unlevel, Source 1 Synthesizer	A29	40 - 70 GHz
11	Unlevel, Source 2, Out 1	A5	0.01 - 13.5 GHz
12	Unlevel, Source 2, Out 2	A7	13.5 - 40 GHz
13	Unlevel, Source 2 Synthesizer	A29	40 - 70 GHz
14	Unlevel, LO Drive	A4	Full Range
15	Unlevel, LO Synthesizer	A15	Full Range
17	Unlevel, Source Synthesizer, Integrator High	A4	Full Range
18	Unlevel, Source Synthesizer, Integrator Low	A4	Full Range
20	Unlevel, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unlevel, LO Synthesizer, Integrator Low	A15	Full Range
23	Unlevel, Doublet 1, Prelevel	A7	13.5 - 70 GHz
25	Unlevel, Doublet 2, Prelevel	A8	13.5 - 70 GHz
27	Unlevel, Doublet 3, Prelevel	A12	13.5 - 70 GHz
28	Unlevel, Doublet 4, Prelevel	A13	13.5 - 70 GHz
29	Unlevel, Source 1, PA	A5	13.5 - 70 GHz
30	Unlevel, Source 2, PA	A10	13.5 - 70 GHz

