

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	0.01248 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
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	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	0.175 to 0.250
5	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
6	1	0.30744 to 3.2074	0.30744 to 3.2074	0.300 to 3.200	0.300 to 3.200	0.300 to 3.200	0.300 to 3.200
7	1	3.2074 to 6.0074	3.2074 to 6.0074	3.200 to 6.000	3.200 to 6.000	3.200 to 6.000	3.200 to 6.000
8	1	6.0074 to 7.6074	6.0074 to 7.6074	6.000 to 7.600	6.000 to 7.600	6.000 to 7.600	6.000 to 7.600
9	1	7.6074 to 9.5274	7.6074 to 9.5274	7.600 to 9.520	7.600 to 9.520	7.600 to 9.520	7.600 to 9.520
10	1	9.5274 to 12.0074	9.5274 to 12.0074	9.520 to 12.000	9.520 to 12.000	9.520 to 12.000	9.520 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	12.000 to 13.510	12.000 to 13.510
12	1	6.787 to 7.6037	13.5174 to 15.2074	6.755 to 7.600	13.510 to 15.200	13.510 to 15.200	13.510 to 15.200
13	1	7.6037 to 8.3537	15.2074 to 16.7074	7.600 to 8.350	15.200 to 16.700	15.200 to 16.700	15.200 to 16.700
14	1	8.3537 to 9.2537	16.7074 to 18.0474	8.350 to 9.250	16.700 to 18.040	16.700 to 18.040	16.700 to 18.040
15	1	9.2537 to 10.0037	18.0474 to 20.0074	9.250 to 10.000	18.040 to 20.000	18.040 to 20.000	18.040 to 20.000
16	1	10.0037 to 10.6537	20.0074 to 21.3074	10.000 to 10.650	20.000 to 21.300	20.000 to 21.300	20.000 to 21.300
17	1	10.6537 to 12.0037	21.3074 to 24.0074	10.650 to 12.000	21.300 to 24.000	21.300 to 24.000	21.300 to 24.000
18	1	12.0037 to 12.2537	24.0074 to 26.5074	12.000 to 12.250	24.000 to 26.500	24.000 to 26.500	24.000 to 26.500
19	1	8.858 to 9.0091	8.858 to 9.0091	13.250 to 13.510	13.250 to 13.510	28.500 to 27.020	28.500 to 27.020
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	9.5025 to 10.1358	9.5025 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 8.600	15.200 to 16.000	30.400 to 32.000	30.400 to 32.000
23	3	10.6891 to 12.0058	10.6891 to 12.0058	8.600 to 9.200	16.000 to 18.000	32.000 to 36.100	32.000 to 36.100
24	3	12.0058 to 12.6958	12.0058 to 12.6958	9.200 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 13.5125	13.3358 to 13.5125	10.000 to 10.130	10.000 to 10.130	40.000 to 40.000	40.000 to 40.000
27	3	6.7867 to 7.6079	13.5125 to 15.2758	10.130 to 11.455	10.130 to 11.455	40.000 to 40.000	40.000 to 40.000
28	3	7.6079 to 8.0012	15.2758 to 16.0025	11.455 to 12.000	11.455 to 12.000	22.000 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 54.000
32	3	9.0079 to 9.5012	18.0158 to 19.1025	13.510 to 14.250	13.510 to 14.250	27.000 to 28.500	54.000 to 57.000
33	3	9.5012 to 10.0719	19.1025 to 20.0358	14.250 to 15.025	14.250 to 15.025	28.500 to 30.500	57.000 to 60.100
34	3	10.0719 to 10.1346	20.0358 to 20.2691	15.025 to 15.200	15.025 to 15.200	30.500 to 30.400	60.100 to 60.800
35	3	10.1346 to 10.6879	20.2691 to 21.3358	15.200 to 16.000	15.200 to 16.000	30.400 to 32.000	60.800 to 64.000
36	3	10.6879 to 11.1486	21.3358 to 22.2691	16.000 to 16.380	16.000 to 16.380	32.000 to 34.000	64.000 to 68.000
37	3	11.1486 to 11.6679	22.2691 to 23.3358	16.380 to 17.500	16.380 to 17.500	34.000 to 35.000	68.000 to 70.000

Test Node	Error Description	Assembly	Frequency Band
8	Unveiled, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unveiled, Source 1, Out 2	A29	40 - 70 GHz
10	Unveiled, Source 1 Synthesizer	A5	0.01 - 13.5 GHz
11	Unveiled, Source 2, Out 1	A32	40 - 70 GHz
12	Unveiled, Source 2, Out 2	A4	Full Range
13	Unveiled, Source 2 Synthesizer	A10	0.01 - 13.5 GHz
14	Unveiled, LO Drive	A12	13.5 - 40 GHz
15	Unveiled, LO Synthesizer	A30	40 - 70 GHz
16	Unveiled, Source 1 Synthesizer, Integrator Low	A10	0.01 - 13.5 GHz
17	Unveiled, Source 1 Synthesizer, Integrator High	A13	13.5 - 40 GHz
18	Unveiled, Source 2 Synthesizer, Integrator Low	A31	40 - 70 GHz
19	Unveiled, Source 2 Synthesizer, Integrator High	A15	Full Range
20	Unveiled, Doubler 1, Preveist	A4	Full Range
21	Unveiled, Doubler 2, Preveist	A17	Full Range
22	Unveiled, Doubler 3, Preveist	A15	Full Range
23	Unveiled, Doubler 4, Preveist	A15	Full Range
24	Unveiled, Doubler 1, Preveist	A7	13.5 - 70 GHz
25	Unveiled, Doubler 2, Preveist	A8	13.5 - 70 GHz
26	Unveiled, Doubler 3, Preveist	A12	13.5 - 70 GHz
27	Unveiled, Doubler 4, Preveist	A13	13.5 - 70 GHz
28	Unveiled, Source 1, Pa	A5	13.5 - 70 GHz
29	Unveiled, Source 2, Pa	A10	13.5 - 70 GHz

