

Band	Mixer Brick LO Harmonic Number	1	2	3	4	5
		A15 Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	A4/A17 Synthesizer Frequency (GHz)	ASA10 Source Frequency (GHz)	ATPARA123A13 50 GHz Doubler Frequency (GHz)
0	-	-	-	-	-	-
1	-	-	-	-	-	-
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	0.06044 to 0.18244	0.06044 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 1.00744	0.50744 to 1.00744	0.500 to 1.000	0.500 to 1.000	0.500 to 1.000
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	1	15.40744 to 16.00744	15.40744 to 16.00744	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
17	1	16.00744 to 19.00744	16.00744 to 19.00744	16.000 to 19.000	16.000 to 19.000	16.000 to 19.000
18	1	19.00744 to 20.00744	19.00744 to 20.00744	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
19	1	20.00744 to 21.32874	20.00744 to 21.32874	20.000 to 21.328	20.000 to 21.328	20.000 to 21.328
20	1	21.32874 to 24.00744	21.32874 to 24.00744	21.328 to 24.000	21.328 to 24.000	21.328 to 24.000
21	1	24.00744 to 26.50744	24.00744 to 26.50744	24.000 to 26.500	24.000 to 26.500	24.000 to 26.500
22	1	26.50744 to 27.00744	26.50744 to 27.00744	26.500 to 27.000	26.500 to 27.000	26.500 to 27.000
23	3	8.8358 to 9.0051	8.8358 to 9.0051	13.250 to 13.504	13.250 to 13.504	26.500 to 27.008
24	3	9.0051 to 10.6691	9.0051 to 10.6691	6.752 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 40.500
26	3	6.7512 to 7.1106	13.5025 to 14.2211	10.125 to 10.664	20.250 to 21.328	40.500 to 42.656
27	3	7.1106 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 11.550	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	Unveiled, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unveiled, Source 1, Out 2	A5	0.01 - 13.5 GHz
10	Unveiled, Source 1 Synthesizer	A4	Full Range
11	Unveiled, Source 2, Out 1	A10	0.01 - 13.5 GHz
12	Unveiled, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unveiled, Source 2 Synthesizer	A17	Full Range
14	Unveiled, LO Drive	A25	Full Range
15	Unveiled, LO Synthesizer	A15	Full Range
16	Unveiled, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unveiled, Source 1 Synthesizer, Integrator High	A4	Full Range
18	Unveiled, Source 2 Synthesizer, Integrator Low	A17	Full Range
20	Unveiled, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unveiled, LO Synthesizer, Integrator Low	A15	Full Range
23	Unveiled, LO Synthesizer, Integrator High	A15	Full Range
25	Unveiled, Doubler 1 Prelevel	A7	13.5 - 50 GHz
26	Unveiled, Doubler 2 Prelevel	A8	13.5 - 50 GHz
27	Unveiled, Doubler 3 Prelevel	A12	13.5 - 50 GHz
28	Unveiled, Doubler 4 Prelevel	A13	13.5 - 50 GHz
29	Unveiled, Source 1, P4	A5	13.5 - 50 GHz
30	Unveiled, Source 2, P4	A10	13.5 - 50 GHz

