

Block Number	LO Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	RF Synthesizer Frequency (GHz)	A5/A10 Source Frequency (GHz)	A7/A8/A12/A13 50 GHz Doubler Frequency (GHz)
1	1				
2	1	0.01248 to 0.05548	0.01248 to 0.05548	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
4	1	0.18244 to 0.25744	0.18244 to 0.25744	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
6	1	0.30744 to 3.2074	0.30744 to 3.2074	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
8	1	6.0074 to 7.6074	6.0074 to 7.6074	6.000 to 7.600	6.000 to 7.600
9	1	7.6074 to 8.5274	7.6074 to 8.5274	7.600 to 8.500	7.600 to 8.500
10	1	8.5274 to 12.0074	8.5274 to 12.0074	8.520 to 12.000	8.520 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	1	6.7807 to 7.6037	13.5174 to 15.2074	6.755 to 7.600	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
14	1	8.3537 to 8.5237	16.7074 to 19.0474	8.350 to 8.520	16.700 to 19.040
15	1	8.5237 to 10.0037	19.0474 to 20.0074	8.520 to 10.000	19.040 to 20.000
16	1	10.0037 to 16.6537	20.0074 to 21.3074	10.000 to 16.650	20.000 to 21.300
17	1	16.6537 to 12.0037	21.3074 to 24.0074	16.650 to 12.000	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
19	1	8.8558 to 9.0091	8.8558 to 9.0091	13.250 to 13.510	28.500 to 27.000
20	3	9.0091 to 8.5025	9.0091 to 8.5025	6.755 to 7.125	13.510 to 14.250
21	3	8.5025 to 10.1358	9.5025 to 10.1358	7.125 to 7.600	14.250 to 15.200
22	3	10.1358 to 10.8691	10.1358 to 10.8691	7.600 to 8.000	15.200 to 16.000
23	3	10.8691 to 12.0558	10.8691 to 12.0558	8.000 to 9.000	16.000 to 18.000
24	3	12.0558 to 12.6958	12.0558 to 12.6958	9.000 to 9.520	18.000 to 19.040
25	3	12.6958 to 13.5125	12.6958 to 13.5125	9.520 to 10.133	19.040 to 20.265
26	3	6.7862 to 7.0012	13.5125 to 14.0025	10.133 to 10.500	20.265 to 21.000
27	3	7.0012 to 7.2512	14.0025 to 14.5025	10.500 to 10.875	21.000 to 21.750
28	3	7.2512 to 7.6012	14.5025 to 15.2025	10.875 to 11.440	21.750 to 22.800
29	3	7.6012 to 8.0012	15.2025 to 16.0025	11.440 to 12.000	22.800 to 24.000
30	3	8.0012 to 8.3346	16.0025 to 16.6691	12.000 to 12.500	24.000 to 25.000

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	A8	13.5 - 50 GHz
10	Unlevel, Source 1 Synthesizer	A4	Full Range
11	Unlevel, Source 2, Out 1	A12	13.5 - 50 GHz
12	Unlevel, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unlevel, Source 2 Synthesizer	A13	13.5 - 50 GHz
14	Unlevel, LO Drive	A25	Full Range
15	Unlevel, LO Synthesizer	A15	Full Range
16	Unlevel, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unlevel, Source 1 Synthesizer, Integrator High	A4	Full Range
19	Unlevel, Source 2 Synthesizer, Integrator Low	A17	Full Range
20	Unlevel, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unlevel, LO Synthesizer, Integrator Low	A15	Full Range
23	Unlevel, LO Synthesizer, Integrator High	A15	Full Range
25	Unlevel, Doubler 1, Prelevel	A7	13.5 - 70 GHz
26	Unlevel, Doubler 2, Prelevel	A8	13.5 - 70 GHz
27	Unlevel, Doubler 3, Prelevel	A12	13.5 - 70 GHz
28	Unlevel, Doubler 4, Prelevel	A13	13.5 - 70 GHz
29	Unlevel, Source 1, %	A5	13.5 - 70 GHz
30	Unlevel, Source 2, %	A10	13.5 - 70 GHz

