

Block Number	LO Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	RF Synthesizer Frequency (GHz)	A5/A10 Source Frequency (GHz)	A7/A8/A12/A13 40 GHz Doubler Frequency (GHz)	A60/A61/A62/A63 70 GHz Doubler Frequency (GHz)
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	0.010 to 0.053
2	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	0.010 to 0.053
3	0.05044 to 0.18244	0.06044 to 0.18244	0.053 to 0.175	0.053 to 0.175	0.053 to 0.175	0.053 to 0.175
4	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	0.25744 to 0.35744	0.25744 to 0.35744	0.250 to 0.300	0.250 to 0.300	0.250 to 0.300	0.250 to 0.300
6	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	0.500 to 1.000
7	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	1.000 to 2.000
8	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	2.000 to 3.000
9	3.00744 to 3.20744	3.00744 to 3.20744	3.000 to 3.300	3.000 to 3.200	3.000 to 3.200	3.000 to 3.300
10	3.20744 to 4.00744	3.20744 to 4.00744	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000
11	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	4.000 to 5.332
12	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	5.332 to 6.752
13	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	6.752 to 8.000
14	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	8.000 to 10.664
15	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	10.664 to 13.510
16	6.7587 to 7.7027	13.5174 to 15.4074	6.755 to 7.700	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400
17	7.7027 to 8.0037	15.4074 to 16.0074	7.700 to 8.000	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
18	8.0037 to 9.5037	16.0074 to 19.0074	8.000 to 9.500	16.000 to 19.000	16.000 to 19.000	16.000 to 19.000
19	9.5037 to 10.0037	19.0074 to 20.0074	9.500 to 10.000	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
20	10.0037 to 10.6677	20.0074 to 21.3354	10.000 to 10.664	10.000 to 10.664	20.000 to 21.328	20.000 to 21.328
21	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	21.328 to 24.000
22	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	24.000 to 26.500
23	8.0038 to 9.0037	8.9038 to 9.0037	8.900 to 9.000	13.250 to 13.504	26.500 to 27.008	26.500 to 27.008
24	9.0037 to 10.6697	9.0037 to 10.6697	9.752 to 8.000	13.504 to 16.000	27.008 to 32.000	27.008 to 32.000
25	10.6697 to 13.3358	10.6697 to 13.3358	8.000 to 10.000	16.000 to 20.000	32.000 to 40.000	32.000 to 40.000
26	13.3358 to 13.5025	13.3358 to 13.5025	10.000 to 10.125	20.000 to 20.250	20.000 to 20.250	40.000 to 40.500
27	6.7572 to 7.1106	13.5025 to 14.2211	10.125 to 10.956	20.250 to 21.328	40.500 to 42.656	40.500 to 42.656
28	7.1106 to 7.7012	14.2211 to 15.4025	10.664 to 11.800	21.328 to 23.100	21.328 to 23.100	42.656 to 46.200
29	7.7012 to 8.0012	15.4025 to 16.0025	11.850 to 12.000	11.850 to 12.000	23.100 to 24.000	46.200 to 48.000
30	8.0012 to 8.3346	16.0025 to 16.6697	12.000 to 12.500	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000
31	8.3346 to 9.0029	16.6697 to 18.0078	12.500 to 13.504	12.500 to 13.504	25.000 to 27.008	50.000 to 54.016
32	9.0029 to 10.6679	18.0078 to 20.0025	13.507 to 20.005	13.504 to 15.000	27.000 to 30.000	54.016 to 60.000
33	10.6679 to 10.6679	20.0025 to 21.3358	7.900 to 8.000	15.000 to 16.000	30.000 to 32.000	60.000 to 64.000
34	10.6679 to 11.1679	21.3358 to 22.3358	8.000 to 8.375	16.000 to 16.750	32.000 to 33.500	64.000 to 67.000
35	11.1679 to 11.6679	22.3358 to 23.3358	8.375 to 8.750	16.750 to 17.500	33.500 to 35.000	67.000 to 70.000

Test Node	Error Description	Assembly	Frequency Band
8	Unavailable, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unavailable, Source 1, Out 2	A7	13.5 - 40 GHz
		A29	40 - 70 GHz
10	Unavailable, Source 1 Synthesizer	A5	0.01 - 13.5 GHz
11	Unavailable, Source 2, Out 1	A27	40 - 70 GHz
		A4	Full Range
12	Unavailable, Source 2, Out 2	A10	0.01 - 13.5 GHz
		A13	13.5 - 40 GHz
13	Unavailable, Source 2 Synthesizer	A31	13.5 - 40 GHz
		A5	0.01 - 13.5 GHz
14	Unavailable, LO Drive	A25	40 - 70 GHz
15	Unavailable, LO Synthesizer	A15	Full Range
16	Unavailable, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unavailable, Source 1 Synthesizer, Integrator High	A4	Full Range
18	Unavailable, Source 2 Synthesizer, Integrator Low	A17	Full Range
19	Unavailable, Source 2 Synthesizer, Integrator High	A17	Full Range
20	Unavailable, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unavailable, LO Synthesizer, Integrator Low	A15	Full Range
23	Unavailable, LO Synthesizer, Integrator High	A15	Full Range
25	Unavailable, Doubler 1, Prelevel	A7	13.5 - 70 GHz
26	Unavailable, Doubler 2, Prelevel	A8	13.5 - 70 GHz
27	Unavailable, Doubler 3, Prelevel	A12	13.5 - 70 GHz
28	Unavailable, Doubler 4, Prelevel	A13	13.5 - 70 GHz
29	Unavailable, Source 1, Prelevel	A5	13.5 - 70 GHz
30	Unavailable, Source 2, Prelevel	A10	13.5 - 70 GHz

