

Band	Min. LO Frequency (GHz)	Max. LO Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	RF Synthesizer Frequency (GHz)	AS10 Source Frequency (GHz)	A7/A8/A12/A13 Frequency (GHz)
0	1	1	1	1	1	1
1	1	1	1	1	1	1
2	1	0.01248 to 0.01648	0.01248 to 0.01648	0.010 to 0.014	0.010 to 0.014	0.010 to 0.014
3	1	0.01648 to 0.02248	0.01648 to 0.02248	0.014 to 0.019	0.014 to 0.019	0.014 to 0.019
4	1	0.02248 to 0.02848	0.02248 to 0.02848	0.019 to 0.027	0.019 to 0.027	0.019 to 0.027
5	1	0.02848 to 0.04048	0.02848 to 0.04048	0.027 to 0.038	0.027 to 0.038	0.027 to 0.038
6	1	0.04048 to 0.05448	0.04048 to 0.05448	0.038 to 0.053	0.038 to 0.053	0.038 to 0.053
7	1	0.05448 to 0.08248	0.05448 to 0.08248	0.053 to 0.075	0.053 to 0.075	0.053 to 0.075
8	1	0.08248 to 0.11244	0.08248 to 0.11244	0.075 to 0.105	0.075 to 0.105	0.075 to 0.105
9	1	0.11244 to 0.15344	0.11244 to 0.15344	0.105 to 0.146	0.105 to 0.146	0.105 to 0.146
10	1	0.15344 to 0.21244	0.15344 to 0.21244	0.146 to 0.205	0.146 to 0.205	0.146 to 0.205
11	1	0.21244 to 0.28744	0.21244 to 0.28744	0.205 to 0.290	0.205 to 0.290	0.205 to 0.290
12	1	0.28744 to 0.40344	0.28744 to 0.40344	0.290 to 0.396	0.290 to 0.396	0.290 to 0.396
13	1	0.40344 to 0.55744	0.40344 to 0.55744	0.396 to 0.500	0.396 to 0.500	0.396 to 0.500
14	1	0.55744 to 0.83544	0.55744 to 0.83544	0.500 to 0.828	0.500 to 0.828	0.500 to 0.828
15	1	0.83544 to 1.0074	0.83544 to 1.0074	0.828 to 1.000	0.828 to 1.000	0.828 to 1.000
16	1	1.0074 to 1.5074	1.0074 to 1.5074	1.000 to 1.500	1.000 to 1.500	1.000 to 1.500
17	1	1.5074 to 2.0074	1.5074 to 2.0074	1.500 to 2.000	1.500 to 2.000	1.500 to 2.000
18	1	2.0074 to 3.2074	2.0074 to 3.2074	2.000 to 3.200	2.000 to 3.200	2.000 to 3.200
19	1	3.2074 to 5.3394	3.2074 to 5.3394	3.200 to 5.332	3.200 to 5.332	3.200 to 5.332
20	1	5.3394 to 8.0074	5.3394 to 8.0074	5.332 to 8.000	5.332 to 8.000	5.332 to 8.000
21	1	8.0074 to 9.7674	8.0074 to 9.7674	8.000 to 9.760	8.000 to 9.760	8.000 to 9.760
22	1	9.7674 to 15.2074	9.7674 to 15.2074	9.760 to 15.200	9.760 to 15.200	9.760 to 15.200
23	1	15.2074 to 21.2074	15.2074 to 21.2074	15.200 to 21.200	15.200 to 21.200	15.200 to 21.200
24	1	21.2074 to 32.0074	21.2074 to 32.0074	21.200 to 32.000	21.200 to 32.000	21.200 to 32.000
25	1	32.0074 to 48.0074	32.0074 to 48.0074	32.000 to 48.000	32.000 to 48.000	32.000 to 48.000
26	1	48.0074 to 72.0074	48.0074 to 72.0074	48.000 to 72.000	48.000 to 72.000	48.000 to 72.000
27	1	72.0074 to 108.0074	72.0074 to 108.0074	72.000 to 108.000	72.000 to 108.000	72.000 to 108.000
28	1	108.0074 to 162.0074	108.0074 to 162.0074	108.000 to 162.000	108.000 to 162.000	108.000 to 162.000
29	1	162.0074 to 243.0074	162.0074 to 243.0074	162.000 to 243.000	162.000 to 243.000	162.000 to 243.000
30	1	243.0074 to 364.0074	243.0074 to 364.0074	243.000 to 364.000	243.000 to 364.000	243.000 to 364.000
31	1	364.0074 to 546.0074	364.0074 to 546.0074	364.000 to 546.000	364.000 to 546.000	364.000 to 546.000
32	1	546.0074 to 819.0074	546.0074 to 819.0074	546.000 to 819.000	546.000 to 819.000	546.000 to 819.000
33	1	819.0074 to 1228.0074	819.0074 to 1228.0074	819.000 to 1228.000	819.000 to 1228.000	819.000 to 1228.000
34	3	8.858 to 8.858	8.858 to 8.858	13.250 to 13.510	13.250 to 13.510	28.000 to 27.000
35	3	9.051 to 9.051	9.051 to 9.051	9.750 to 9.725	13.510 to 14.250	27.000 to 28.500
36	3	9.802 to 10.158	9.802 to 10.158	7.125 to 7.800	14.250 to 15.200	28.500 to 30.400
37	3	10.158 to 10.681	10.158 to 10.681	7.600 to 8.000	15.200 to 16.000	30.400 to 32.000
38	3	10.681 to 12.038	10.681 to 12.038	8.000 to 8.825	16.000 to 18.000	32.000 to 36.100
39	3	12.038 to 12.858	12.038 to 12.858	9.025 to 9.520	18.000 to 19.040	36.100 to 38.900
40	3	12.858 to 13.515	12.858 to 13.515	9.500 to 10.100	19.040 to 20.000	38.900 to 40.500
41	3	6.7862 to 7.0012	13.5125 to 14.0025	10.100 to 10.564	10.100 to 10.564	20.000 to 21.328
42	3	7.0012 to 7.2512	14.0025 to 14.5025	10.500 to 10.875	21.000 to 21.750	42.000 to 43.500
43	3	7.2512 to 7.6012	14.5025 to 15.2025	10.875 to 11.400	21.750 to 22.800	43.000 to 45.600
44	3	7.6012 to 8.0012	15.2025 to 16.0025	11.400 to 12.000	22.800 to 24.000	45.600 to 48.000
45	3	8.0012 to 8.3364	16.0025 to 16.6861	12.000 to 12.500	24.000 to 25.000	48.000 to 50.000

Test Node	Error Description	Assembly	Frequency Band
8	Unlevelled, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unlevelled, Source 1, Out 2	A5	0.01 - 13.5 GHz
10	Unlevelled, Source 1 Synthesizer	A4	Full Range
11	Unlevelled, Source 2, Out 1	A12	13.5 - 50 GHz
12	Unlevelled, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unlevelled, Source 2 Synthesizer	A13	13.5 - 50 GHz
14	Unlevelled, LO Drive	A25	Full Range
15	Unlevelled, LO Synthesizer	A15	Full Range
16	Unlevelled, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unlevelled, Source 1 Synthesizer, Integrator High	A4	Full Range
19	Unlevelled, Source 2 Synthesizer, Integrator Low	A11	Full Range
20	Unlevelled, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unlevelled, LO Synthesizer, Integrator Low	A15	Full Range
23	Unlevelled, LO Synthesizer, Integrator High	A15	Full Range
25	Unlevelled, Doubler 1, Prelevel	A7	13.5 - 70 GHz
26	Unlevelled, Doubler 2, Prelevel	A8	13.5 - 70 GHz
27	Unlevelled, Doubler 3, Prelevel	A12	13.5 - 70 GHz
28	Unlevelled, Doubler 4, Prelevel	A13	13.5 - 70 GHz
29	Unlevelled, Source 1, PA	A5	13.5 - 70 GHz
30	Unlevelled, Source 2, PA	A10	13.5 - 70 GHz

