

Band	Mode	Brick LO Harmonic Number	1	2	3	4	5
			A15 Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	A4/A17 Synthesizer Frequency (GHz)	A5A10 Source Frequency (GHz)	A7/A8/A12/A13 50 GHz Doubler Frequency (GHz)
0	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-
2	1	0.01254 to 0.01654	0.01254 to 0.01654	0.01254 to 0.01654	0.010 to 0.014	0.010 to 0.014	0.010 to 0.014
3	1	0.01654 to 0.02154	0.01654 to 0.02154	0.01654 to 0.02154	0.014 to 0.019	0.014 to 0.019	0.014 to 0.019
4	1	0.02154 to 0.02654	0.02154 to 0.02654	0.02154 to 0.02654	0.019 to 0.027	0.019 to 0.027	0.019 to 0.027
5	1	0.02654 to 0.03054	0.02654 to 0.03054	0.02654 to 0.03054	0.027 to 0.038	0.027 to 0.038	0.027 to 0.038
6	1	0.03054 to 0.03554	0.03054 to 0.03554	0.03054 to 0.03554	0.038 to 0.053	0.038 to 0.053	0.038 to 0.053
7	1	0.03554 to 0.04054	0.03554 to 0.04054	0.03554 to 0.04054	0.053 to 0.075	0.053 to 0.075	0.053 to 0.075
8	1	0.04054 to 0.04554	0.04054 to 0.04554	0.04054 to 0.04554	0.075 to 0.105	0.075 to 0.105	0.075 to 0.105
9	1	0.04554 to 0.05054	0.04554 to 0.05054	0.04554 to 0.05054	0.105 to 0.146	0.105 to 0.146	0.105 to 0.146
10	1	0.05054 to 0.05554	0.05054 to 0.05554	0.05054 to 0.05554	0.146 to 0.205	0.146 to 0.205	0.146 to 0.205
11	1	0.05554 to 0.06054	0.05554 to 0.06054	0.05554 to 0.06054	0.205 to 0.250	0.205 to 0.250	0.205 to 0.250
12	1	0.06054 to 0.06554	0.06054 to 0.06554	0.06054 to 0.06554	0.250 to 0.396	0.250 to 0.396	0.250 to 0.396
13	1	0.06554 to 0.07054	0.06554 to 0.07054	0.06554 to 0.07054	0.396 to 0.500	0.396 to 0.500	0.396 to 0.500
14	1	0.07054 to 0.07554	0.07054 to 0.07554	0.07054 to 0.07554	0.500 to 0.628	0.500 to 0.628	0.500 to 0.628
15	1	0.07554 to 0.08054	0.07554 to 0.08054	0.07554 to 0.08054	0.628 to 1.000	0.628 to 1.000	0.628 to 1.000
16	1	0.08054 to 0.08554	0.08054 to 0.08554	0.08054 to 0.08554	1.000 to 1.500	1.000 to 1.500	1.000 to 1.500
17	1	0.08554 to 0.09054	0.08554 to 0.09054	0.08554 to 0.09054	1.500 to 2.000	1.500 to 2.000	1.500 to 2.000
18	1	0.09054 to 0.09554	0.09054 to 0.09554	0.09054 to 0.09554	2.000 to 3.000	2.000 to 3.000	2.000 to 3.000
19	1	0.09554 to 0.10054	0.09554 to 0.10054	0.09554 to 0.10054	3.000 to 3.200	3.000 to 3.200	3.000 to 3.200
20	1	0.10054 to 0.10554	0.10054 to 0.10554	0.10054 to 0.10554	3.200 to 4.000	3.200 to 4.000	3.200 to 4.000
21	1	0.10554 to 0.11054	0.10554 to 0.11054	0.10554 to 0.11054	4.000 to 5.332	4.000 to 5.332	4.000 to 5.332
22	1	0.11054 to 0.11554	0.11054 to 0.11554	0.11054 to 0.11554	5.332 to 6.752	5.332 to 6.752	5.332 to 6.752
23	1	0.11554 to 0.12054	0.11554 to 0.12054	0.11554 to 0.12054	6.752 to 8.000	6.752 to 8.000	6.752 to 8.000
24	1	0.12054 to 0.12554	0.12054 to 0.12554	0.12054 to 0.12554	8.000 to 8.500	8.000 to 8.500	8.000 to 8.500
25	1	0.12554 to 0.13054	0.12554 to 0.13054	0.12554 to 0.13054	8.500 to 10.664	8.500 to 10.664	8.500 to 10.664
26	1	0.13054 to 0.13554	0.13054 to 0.13554	0.13054 to 0.13554	10.664 to 12.000	10.664 to 12.000	10.664 to 12.000
27	1	0.13554 to 0.14054	0.13554 to 0.14054	0.13554 to 0.14054	12.000 to 12.800	12.000 to 12.800	12.000 to 12.800
28	1	0.14054 to 0.14554	0.14054 to 0.14554	0.14054 to 0.14554	12.800 to 13.510	12.800 to 13.510	12.800 to 13.510
29	1	0.14554 to 0.15054	0.14554 to 0.15054	0.14554 to 0.15054	13.510 to 15.400	13.510 to 15.400	13.510 to 15.400
30	1	0.15054 to 0.15554	0.15054 to 0.15554	0.15054 to 0.15554	15.400 to 16.000	15.400 to 16.000	15.400 to 16.000
31	1	0.15554 to 0.16054	0.15554 to 0.16054	0.15554 to 0.16054	16.000 to 19.000	16.000 to 19.000	16.000 to 19.000
32	1	0.16054 to 0.16554	0.16054 to 0.16554	0.16054 to 0.16554	19.000 to 20.000	19.000 to 20.000	19.000 to 20.000
33	1	0.16554 to 0.17054	0.16554 to 0.17054	0.16554 to 0.17054	20.000 to 10.664	20.000 to 10.664	20.000 to 10.664
34	1	0.17054 to 0.17554	0.17054 to 0.17554	0.17054 to 0.17554	10.664 to 12.000	10.664 to 12.000	10.664 to 12.000
35	1	0.17554 to 0.18054	0.17554 to 0.18054	0.17554 to 0.18054	12.000 to 13.200	12.000 to 13.200	12.000 to 13.200
36	3	0.18054 to 0.20054	0.18054 to 0.20054	0.18054 to 0.20054	13.200 to 13.504	13.200 to 13.504	13.200 to 13.504
37	3	0.20054 to 0.22054	0.20054 to 0.22054	0.20054 to 0.22054	13.504 to 16.000	13.504 to 16.000	13.504 to 16.000
38	3	0.22054 to 0.24054	0.22054 to 0.24054	0.22054 to 0.24054	16.000 to 18.250	16.000 to 18.250	16.000 to 18.250
39	3	0.24054 to 0.26054	0.24054 to 0.26054	0.24054 to 0.26054	18.250 to 20.200	18.250 to 20.200	18.250 to 20.200
40	3	0.26054 to 0.28054	0.26054 to 0.28054	0.26054 to 0.28054	20.200 to 21.328	20.200 to 21.328	20.200 to 21.328
41	3	0.28054 to 0.30054	0.28054 to 0.30054	0.28054 to 0.30054	21.328 to 21.750	21.328 to 21.750	21.328 to 21.750
42	3	0.30054 to 0.32054	0.30054 to 0.32054	0.30054 to 0.32054	21.750 to 23.100	21.750 to 23.100	21.750 to 23.100
43	3	0.32054 to 0.34054	0.32054 to 0.34054	0.32054 to 0.34054	23.100 to 24.000	23.100 to 24.000	23.100 to 24.000
44	3	0.34054 to 0.36054	0.34054 to 0.36054	0.34054 to 0.36054	24.000 to 25.000	24.000 to 25.000	24.000 to 25.000

Test Node	Error Description	Assembly	Frequency Band
8	Unleveled, Source 1, Out 1	A5	0.01 - 13.5 GHz
9	Unleveled, Source 1, Out 2	A5	0.01 - 13.5 GHz
10	Unleveled, Source 1 Synthesizer	A4	Full Range
11	Unleveled, Source 2, Out 1	A10	0.01 - 13.5 GHz
12	Unleveled, Source 2, Out 2	A10	0.01 - 13.5 GHz
13	Unleveled, Source 3 Synthesizer	A17	Full Range
14	Unleveled, LO Drive	A25	Full Range
15	Unleveled, LO Synthesizer	A15	Full Range
16	Unleveled, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unleveled, Source 1 Synthesizer, Integrator High	A4	Full Range
18	Unleveled, Source 2 Synthesizer, Integrator Low	A17	Full Range
20	Unleveled, Source 2 Synthesizer, Integrator High	A17	Full Range
22	Unleveled, LO Synthesizer, Integrator Low	A15	Full Range
23	Unleveled, LO Synthesizer, Integrator High	A15	Full Range
25	Unleveled, Doubler 1 Plevelvel	A7	13.5 - 50 GHz
26	Unleveled, Doubler 2 Plevelvel	A8	13.5 - 50 GHz
27	Unleveled, Doubler 3 Plevelvel	A12	13.5 - 50 GHz
28	Unleveled, Doubler 4 Plevelvel	A13	13.5 - 50 GHz
29	Unleveled, Source 1, P4	A5	13.5 - 50 GHz
30	Unleveled, Source 2, P4	A10	13.5 - 50 GHz

