

Band	Main Back LO Harmonic Number	LO Synthesizer Frequency (GHz)	A25 HMA26.5 Frequency (GHz)	RF Synthesizer Frequency (GHz)	AD/DA Source Frequency (GHz)
0	1	---	---	---	---
1	1	0.01248 to 0.01248	0.01248 to 0.01248	0.010 to 0.014	0.010 to 0.014
2	1	0.01948 to 0.02148	0.01948 to 0.02148	0.014 to 0.019	0.014 to 0.019
3	1	0.02148 to 0.02148	0.01948 to 0.02148	0.014 to 0.019	0.014 to 0.019
4	1	0.02148 to 0.02948	0.02148 to 0.02948	0.019 to 0.027	0.019 to 0.027
5	1	0.02948 to 0.04048	0.02948 to 0.04048	0.027 to 0.038	0.027 to 0.038
6	1	0.04048 to 0.05048	0.04048 to 0.05048	0.038 to 0.053	0.038 to 0.053
7	1	0.05048 to 0.05048	0.05048 to 0.05048	0.053 to 0.075	0.053 to 0.075
8	1	0.05244 to 0.11244	0.05244 to 0.11244	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
10	1	0.15344 to 0.21244	0.15344 to 0.21244	0.146 to 0.205	0.146 to 0.205
11	1	0.21244 to 0.25744	0.21244 to 0.25744	0.205 to 0.250	0.205 to 0.250
12	1	0.25744 to 0.40344	0.25744 to 0.40344	0.250 to 0.396	0.250 to 0.396
13	1	0.40344 to 0.50744	0.40344 to 0.50744	0.396 to 0.500	0.396 to 0.500
14	1	0.50744 to 0.63544	0.50744 to 0.63544	0.500 to 0.628	0.500 to 0.628
15	1	0.63544 to 1.0074	0.63544 to 1.0074	0.628 to 1.000	0.628 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
17	1	1.5074 to 2.0074	1.5074 to 2.0074	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
19	1	3.2074 to 5.3074	3.2074 to 5.3074	3.200 to 5.300	3.200 to 5.300
20	1	5.3074 to 8.5074	5.3074 to 8.5074	5.300 to 8.500	5.300 to 8.500
21	1	8.5074 to 7.8074	8.5074 to 7.8074	8.000 to 7.800	8.000 to 7.800
22	1	7.8074 to 8.5074	7.8074 to 8.5074	7.800 to 8.500	7.800 to 8.500
23	1	8.5074 to 9.5274	8.5074 to 9.5274	8.500 to 9.520	8.500 to 9.520
24	1	9.5274 to 12.0074	9.5274 to 12.0074	9.520 to 12.000	9.520 to 12.000
25	1	12.0074 to 12.8074	12.0074 to 12.8074	12.000 to 12.800	12.000 to 12.800
26	1	12.8074 to 13.5174	12.8074 to 13.5174	12.800 to 13.510	12.800 to 13.510
27	1	6.7587 to 7.6037	13.5174 to 15.2074	6.750 to 7.600	13.510 to 15.200
28	1	7.6037 to 8.3537	15.2074 to 16.7074	7.600 to 8.350	15.200 to 16.700
29	1	8.3537 to 9.0037	16.7074 to 18.0074	8.350 to 9.000	16.700 to 18.000
30	1	9.0037 to 9.5237	18.0074 to 19.0474	9.000 to 9.520	18.000 to 19.040
31	1	9.5237 to 10.0037	19.0474 to 20.0074	9.520 to 10.000	19.040 to 20.000
32	1	10.0037 to 10.6337	20.0074 to 21.3074	10.000 to 10.630	20.000 to 21.300
33	1	10.6337 to 12.0037	21.3074 to 24.0074	10.630 to 12.000	21.300 to 24.000
34	1	12.0037 to 13.2537	24.0074 to 26.3074	12.000 to 13.250	24.000 to 26.300

Test Mode	Error Description	Assembly	Frequency Band
8	Unlocked, Source 1, Out 1	A5	Full Range
9	Unlocked, Source 1, Out 2	A5	Full Range
10	Unlocked, Source 1 Synthesizer	A4	Full Range
11	Unlocked, Source 2, Out 1	A8	Full Range
12	Unlocked, Source 2, Out 2	A8	Full Range
13	Unlocked, Source 2 Synthesizer	A13	Full Range
14	Unlocked, LO Drive	A21	Full Range
15	Unlocked, LO Synthesizer	A11	Full Range
16	Unlocked, Source 1 Synthesizer, Integrator Low	A4	Full Range
17	Unlocked, Source 1 Synthesizer, Integrator High	A4	Full Range
19	Unlocked, Source 2 Synthesizer, Integrator Low	A13	Full Range
20	Unlocked, Source 2 Synthesizer, Integrator High	A13	Full Range
22	Unlocked, LO Synthesizer, Integrator Low	A11	Full Range
23	Unlocked, LO Synthesizer, Integrator High	A11	Full Range
29	Unlocked, Source 1, P4	A5	13.5 - 26.5 GHz
30	Unlocked, Source 2, P4	A8	13.5 - 26.5 GHz

