

Cat-M1 Band 4, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1712.499999	-0.000584	1752.499998	-0.001141
2.5	1712.500002	0.001168	1752.499996	-0.002282
4.4	1712.500003	0.001752	1752.500003	0.001712

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1712.499996	-0.002336	1752.499996	-0.002282
-30	1712.500004	0.002336	1752.500004	0.002282
-20	1712.500003	0.001752	1752.500005	0.002853
-10	1712.500002	0.001168	1752.500001	0.000571
0	1712.500005	0.002920	1752.500004	0.002282
10	1712.499995	-0.002920	1752.499995	-0.002853
20	1712.499999	-0.000584	1752.499998	-0.001141
30	1712.500003	0.001752	1752.500004	0.002282
40	1712.500003	0.001752	1752.500005	0.002853
50	1712.499997	-0.001752	1752.500004	0.002282
50	1712.499996	-0.002336	1752.499997	-0.001712
50	1712.500005	0.002920	1752.500004	0.002282
50	1712.500005	0.002920	1752.500002	0.001141
85	1712.499996	-0.002336	1752.499996	-0.002282

Cat-M1 Band 4, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1715.000005	0.002915	1749.999998	-0.001143
2.5	1715.000001	0.000583	1750.000002	0.001143
4.4	1715.000005	0.002915	1750.000002	0.001143

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1714.999998	-0.001166	1750.000003	0.001714
-30	1715.000002	0.001166	1750.000004	0.002286
-20	1714.999996	-0.002332	1750.000004	0.002286
-10	1715.000002	0.001166	1749.999995	-0.002857
0	1715.000002	0.001166	1750.000004	0.002286
10	1715.000004	0.002332	1750.000002	0.001143
20	1714.999999	-0.000583	1749.999998	-0.001143
30	1714.999995	-0.002915	1749.999995	-0.002857
40	1715.000005	0.002915	1749.999999	-0.000571
50	1714.999995	-0.002915	1749.999997	-0.001714
50	1714.999997	-0.001749	1749.999998	-0.001143
50	1715.000003	0.001749	1749.999997	-0.001714
50	1715.000005	0.002915	1749.999999	-0.000571
85	1714.999996	-0.002332	1749.999998	-0.001143

Cat-M1 Band 4, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1717.500001	0.000582	1747.500002	0.001144
2.5	1717.499997	-0.001747	1747.500005	0.002861
4.4	1717.499998	-0.001164	1747.499996	-0.002289

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1717.500002	0.001164	1747.499998	-0.001144
-30	1717.499997	-0.001747	1747.499995	-0.002861
-20	1717.500001	0.000582	1747.500002	0.001144
-10	1717.500001	0.000582	1747.499995	-0.002861
0	1717.499999	-0.000582	1747.500002	0.001144
10	1717.499996	-0.002329	1747.499998	-0.001144
20	1717.500002	0.001164	1747.500005	0.002861
30	1717.499995	-0.002911	1747.499998	-0.001144
40	1717.500001	0.000582	1747.500003	0.001717
50	1717.500005	0.002911	1747.500003	0.001717
50	1717.500005	0.002911	1747.499995	-0.002861
50	1717.499999	-0.000582	1747.499999	-0.000572
50	1717.499998	-0.001164	1747.499998	-0.001144
85	1717.500003	0.001747	1747.499997	-0.001717

Cat-M1 Band 4, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1720.000005	0.002907	1745.000002	0.001146
2.5	1720.000005	0.002907	1745.000004	0.002292
4.4	1720.000002	0.001163	1745.000003	0.001719

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1719.999999	-0.000581	1744.999996	-0.002292
-30	1720.000004	0.002326	1745.000004	0.002292
-20	1719.999997	-0.001744	1744.999996	-0.002292
-10	1720.000002	0.001163	1745.000004	0.002292
0	1719.999997	-0.001744	1744.999999	-0.000573
10	1719.999997	-0.001744	1745.000001	0.000573
20	1720.000002	0.001163	1745.000003	0.001719
30	1720.000000	0.000000	1745.000002	0.001146
40	1719.999995	-0.002907	1745.000002	0.001146
50	1720.000003	0.001744	1745.000003	0.001719
50	1720.000004	0.002326	1745.000003	0.001719
50	1720.000005	0.002907	1744.999997	-0.001719
50	1720.000003	0.001744	1745.000001	0.000573
85	1720.000002	0.001163	1744.999999	-0.000573

7.8.3 Cat-M1 Band 5

Cat-M1 Band 5, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	824.700002	0.002425	848.300003	0.003536
2.5	824.700001	0.001213	848.300002	0.002358
4.4	824.700004	0.004850	848.299997	-0.003536

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	824.700005	0.006063	848.300002	0.002358
-30	824.699998	-0.002425	848.300003	0.003536
-20	824.699996	-0.004850	848.300002	0.002358
-10	824.699998	-0.002425	848.299997	-0.003536
0	824.700001	0.001213	848.299998	-0.002358
10	824.700002	0.002425	848.300003	0.003536
20	824.700001	0.001213	848.299997	-0.003536
30	824.700002	0.002425	848.299996	-0.004715
40	824.700005	0.006063	848.300003	0.003536
50	824.700001	0.001213	848.300005	0.005894
60	824.699996	-0.004850	848.300004	0.004715
70	824.699997	-0.003638	848.300004	0.004715
80	824.699996	-0.004850	848.300003	0.003536
85	824.700001	0.001213	848.300005	0.005894

Cat-M1 Band 5, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	825.499999	-0.001211	847.500003	0.003540
2.5	825.500005	0.006057	847.500001	0.001180
4.4	825.500003	0.003634	847.499997	-0.003540

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	825.499997	-0.003634	847.500002	0.002360
-30	825.500003	0.003634	847.499997	-0.003540
-20	825.500004	0.004846	847.500004	0.004720
-10	825.500001	0.001211	847.500005	0.005900
0	825.500003	0.003634	847.500003	0.003540
10	825.500005	0.006057	847.500001	0.001180
20	825.499997	-0.003634	847.500003	0.003540
30	825.499997	-0.003634	847.500005	0.005900
40	825.499997	-0.003634	847.499997	-0.003540
50	825.499995	-0.006057	847.500002	0.002360
50	825.499997	-0.003634	847.499997	-0.003540
50	825.499999	-0.001211	847.500005	0.005900
50	825.500005	0.006057	847.499995	-0.005900
85	825.500002	0.002423	847.499996	-0.004720

Cat-M1 Band 5, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	826.500003	0.003630	846.500003	0.003544
2.5	826.500002	0.002420	846.499995	-0.005907
4.4	826.499998	-0.002420	846.499998	-0.002363

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	826.500001	0.001210	846.500004	0.004725
-30	826.499998	-0.002420	846.500004	0.004725
-20	826.500004	0.004840	846.500003	0.003544
-10	826.499996	-0.004840	846.500002	0.002363
0	826.499995	-0.006050	846.499995	-0.005907
10	826.499997	-0.003630	846.500003	0.003544
20	826.499999	-0.001210	846.499995	-0.005907
30	826.499995	-0.006050	846.500001	0.001181
40	826.499996	-0.004840	846.500001	0.001181
50	826.499998	-0.002420	846.499997	-0.003544
50	826.499999	-0.001210	846.500001	0.001181
50	826.499999	-0.001210	846.499996	-0.004725
50	826.499997	-0.003630	846.499999	-0.001181
85	826.500005	0.006050	846.500002	0.002363

Cat-M1 Band 5, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	828.999997	-0.003619	844.000003	0.003555
2.5	828.999995	-0.006031	843.999996	-0.004739
4.4	828.999999	-0.001206	843.999999	-0.001185

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	829.000004	0.004825	844.000002	0.002370
-30	828.999995	-0.006031	844.000003	0.003555
-20	829.000005	0.006031	844.000001	0.001185
-10	829.000001	0.001206	844.000002	0.002370
0	829.000005	0.006031	843.999999	-0.001185
10	829.000001	0.001206	843.999996	-0.004739
20	828.999999	-0.001206	844.000003	0.003555
30	829.000004	0.004825	844.000002	0.002370
40	828.999999	-0.001206	843.999999	-0.001185
50	829.000002	0.002413	843.999995	-0.005924
50	829.000004	0.004825	844.000001	0.001185
50	829.000003	0.003619	844.000002	0.002370
50	829.000001	0.001206	843.999998	-0.002370
85	829.000003	0.003619	844.000004	0.004739

7.8.4 Cat-M1 Band 8

Cat-M1 Band 8, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 21632 (898.2 MHz)		CH 21648 (899.8 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	898.199996	-0.004453	899.800002	0.002223
2.5	898.200004	0.004453	899.800004	0.004445
4.4	898.200001	0.001113	899.799997	-0.003334

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 21632 (898.2 MHz)		CH 21648 (899.8 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	898.200002	0.002227	899.800005	0.005557
-30	898.199996	-0.004453	899.800004	0.004445
-20	898.200003	0.003340	899.799995	-0.005557
-10	898.200004	0.004453	899.799997	-0.003334
0	898.200002	0.002227	899.799997	-0.003334
10	898.199998	-0.002227	899.799995	-0.005557
20	898.200002	0.002227	899.799996	-0.004445
30	898.200001	0.001113	899.799999	-0.001111
40	898.199997	-0.003340	899.799998	-0.002223
50	898.200003	0.003340	899.799997	-0.003334
60	898.200002	0.002227	899.800004	0.004445
70	898.199995	-0.005567	899.799998	-0.002223
80	898.200001	0.001113	899.799997	-0.003334
85	898.199995	-0.005567	899.800005	0.005557

Cat-M1 Band 8, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 21640 (899 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	899.000003	0.003337
2.5	898.999996	-0.004449
4.4	899.000002	0.002225

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 21640 (899 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	898.999998	-0.002225
-30	898.999997	-0.003337
-20	899.000002	0.002225
-10	898.999999	-0.001112
0	898.999995	-0.005562
10	898.999998	-0.002225
20	898.999995	-0.005562
30	899.000001	0.001112
40	899.000003	0.003337
50	898.999997	-0.003337
50	899.000004	0.004449
50	899.000005	0.005562
50	898.999998	-0.002225
85	898.999995	-0.005562

7.8.5 Cat-M1 Band 12

Cat-M1 Band 12, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	699.699997	-0.004288	715.299997	-0.004194
2.5	699.700002	0.002858	715.299995	-0.006990
4.4	699.699997	-0.004288	715.300002	0.002796

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	699.700002	0.002858	715.300005	0.006990
-30	699.700004	0.005717	715.299999	-0.001398
-20	699.700001	0.001429	715.299998	-0.002796
-10	699.700005	0.007146	715.299998	-0.002796
0	699.700003	0.004288	715.300004	0.005592
10	699.699997	-0.004288	715.300005	0.006990
20	699.699998	-0.002858	715.300005	0.006990
30	699.699995	-0.007146	715.300005	0.006990
40	699.699997	-0.004288	715.300001	0.001398
50	699.700004	0.005717	715.299997	-0.004194
60	699.699996	-0.005717	715.299996	-0.005592
70	699.700005	0.007146	715.299998	-0.002796
80	699.700002	0.002858	715.300003	0.004194
85	699.700001	0.001429	715.300001	0.001398

Cat-M1 Band 12, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	700.499999	-0.001428	714.500003	0.004199
2.5	700.499999	-0.001428	714.500002	0.002799
4.4	700.499999	-0.001428	714.500001	0.001400

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	700.499998	-0.002855	714.499995	-0.006998
-30	700.500004	0.005710	714.499998	-0.002799
-20	700.499999	-0.001428	714.499996	-0.005598
-10	700.500004	0.005710	714.499997	-0.004199
0	700.500002	0.002855	714.500002	0.002799
10	700.499997	-0.004283	714.499998	-0.002799
20	700.500001	0.001428	714.500003	0.004199
30	700.500001	0.001428	714.500004	0.005598
40	700.500004	0.005710	714.500003	0.004199
50	700.499999	-0.001428	714.500001	0.001400
50	700.499998	-0.002855	714.500001	0.001400
50	700.499996	-0.005710	714.500001	0.001400
50	700.500004	0.005710	714.500003	0.004199
85	700.500004	0.005710	714.499996	-0.005598

Cat-M1 Band 12, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	701.499999	-0.001426	713.500005	0.007008
2.5	701.499997	-0.004277	713.500003	0.004205
4.4	701.499997	-0.004277	713.500001	0.001402

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	701.499998	-0.002851	713.499995	-0.007008
-30	701.500001	0.001426	713.499997	-0.004205
-20	701.500005	0.007128	713.499996	-0.005606
-10	701.500001	0.001426	713.499996	-0.005606
0	701.500002	0.002851	713.499997	-0.004205
10	701.500002	0.002851	713.499998	-0.002803
20	701.500001	0.001426	713.500003	0.004205
30	701.499996	-0.005702	713.499996	-0.005606
40	701.500002	0.002851	713.500002	0.002803
50	701.499995	-0.007128	713.499999	-0.001402
50	701.499996	-0.005702	713.500002	0.002803
50	701.499996	-0.005702	713.499998	-0.002803
50	701.500005	0.007128	713.500003	0.004205
85	701.499998	-0.002851	713.499998	-0.002803

Cat-M1 Band 12, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	703.999996	-0.005682	710.999996	-0.005626
2.5	704.000001	0.001420	711.000004	0.005626
4.4	703.999995	-0.007102	711.000004	0.005626

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	703.999996	-0.005682	711.000002	0.002813
-30	703.999996	-0.005682	710.999999	-0.001406
-20	703.999996	-0.005682	710.999997	-0.004219
-10	704.000002	0.002841	710.999996	-0.005626
0	703.999996	-0.005682	710.999996	-0.005626
10	704.000001	0.001420	710.999996	-0.005626
20	703.999998	-0.002841	710.999996	-0.005626
30	704.000001	0.001420	710.999997	-0.004219
40	703.999996	-0.005682	710.999998	-0.002813
50	704.000004	0.005682	710.999999	-0.001406
50	704.000001	0.001420	710.999998	-0.002813
50	703.999999	-0.001420	711.000004	0.005626
50	704.000001	0.001420	710.999995	-0.007032
85	703.999996	-0.005682	711.000002	0.002813

7.8.6 Cat-M1 Band 13

Cat-M1 Band 13, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	779.499995	-0.006414	784.500002	0.002549
2.5	779.499995	-0.006414	784.500005	0.006373
4.4	779.500001	0.001283	784.500003	0.003824

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	779.499998	-0.002566	784.499999	-0.001275
-30	779.499995	-0.006414	784.500003	0.003824
-20	779.500001	0.001283	784.500003	0.003824
-10	779.500001	0.001283	784.500001	0.001275
0	779.500004	0.005131	784.500003	0.003824
10	779.500004	0.005131	784.500001	0.001275
20	779.500004	0.005131	784.499997	-0.003824
30	779.499997	-0.003849	784.500001	0.001275
40	779.500001	0.001283	784.499999	-0.001275
50	779.500004	0.005131	784.499999	-0.001275
60	779.499995	-0.006414	784.499996	-0.005099
70	779.500004	0.005131	784.500004	0.005099
80	779.500005	0.006414	784.500001	0.001275
85	779.500004	0.005131	784.500003	0.003824

Cat-M1 Band 13, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	782.000003	0.003836
2.5	781.999996	-0.005115
4.4	781.999997	-0.003836

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	781.999997	-0.003836
-30	782.000005	0.006394
-20	782.000005	0.006394
-10	782.000001	0.001279
0	781.999997	-0.003836
10	781.999996	-0.005115
20	781.999996	-0.005115
30	782.000004	0.005115
40	781.999996	-0.005115
50	781.999999	-0.001279
50	781.999996	-0.005115
50	781.999997	-0.003836
50	782.000003	0.003836
85	781.999996	-0.005115

7.8.7 Cat-M1 Band 14

Cat-M1 Band 14, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	790.500002	0.002530	795.499999	-0.001257
2.5	790.500003	0.003795	795.499998	-0.002514
4.4	790.500002	0.002530	795.500001	0.001257

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	790.500005	0.006325	795.499999	-0.001257
-30	790.499999	-0.001265	795.499996	-0.005028
-20	790.499998	-0.002530	795.499997	-0.003771
-10	790.500003	0.003795	795.499999	-0.001257
0	790.500002	0.002530	795.500003	0.003771
10	790.499998	-0.002530	795.499995	-0.006285
20	790.500001	0.001265	795.500004	0.005028
30	790.499998	-0.002530	795.500005	0.006285
40	790.499999	-0.001265	795.500002	0.002514
50	790.499997	-0.003795	795.500001	0.001257
60	790.499996	-0.005060	795.499999	-0.001257
70	790.500002	0.002530	795.499998	-0.002514
80	790.500004	0.005060	795.499995	-0.006285
85	790.499997	-0.003795	795.500004	0.005028

Cat-M1 Band 14, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23330 (793 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	792.999996	-0.005044
2.5	793.000002	0.002522
4.4	793.000001	0.001261

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23330 (793 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	793.000001	0.001261
-30	793.000001	0.001261
-20	792.999996	-0.005044
-10	793.000002	0.002522
0	792.999998	-0.002522
10	793.000003	0.003783
20	793.000002	0.002522
30	793.000001	0.001261
40	793.000002	0.002522
50	792.999996	-0.005044
50	793.000003	0.003783
50	793.000004	0.005044
50	792.999999	-0.001261
85	793.000002	0.002522

7.8.8 Cat-M1 Band 25

Cat-M1 Band 25, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1850.699998	-0.001081	1914.299999	-0.000522
2.5	1850.700005	0.002702	1914.299997	-0.001567
4.4	1850.700005	0.002702	1914.299996	-0.002090

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1850.700002	0.001081	1914.300002	0.001045
-30	1850.700003	0.001621	1914.300003	0.001567
-20	1850.700003	0.001621	1914.300003	0.001567
-10	1850.699999	-0.000540	1914.299998	-0.001045
0	1850.699998	-0.001081	1914.300003	0.001567
10	1850.700005	0.002702	1914.299999	-0.000522
20	1850.700005	0.002702	1914.299995	-0.002612
30	1850.700005	0.002702	1914.300001	0.000522
40	1850.700002	0.001081	1914.299999	-0.000522
50	1850.700004	0.002161	1914.300005	0.002612
60	1850.700001	0.000540	1914.300001	0.000522
70	1850.699999	-0.000540	1914.299998	-0.001045
80	1850.700002	0.001081	1914.299997	-0.001567
85	1850.700002	0.001081	1914.299998	-0.001045

Cat-M1 Band 25, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1851.499996	-0.002160	1913.499998	-0.001045
2.5	1851.499995	-0.002701	1913.500001	0.000523
4.4	1851.500003	0.001620	1913.499996	-0.002090

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1851.500005	0.002701	1913.499999	-0.000523
-30	1851.499998	-0.001080	1913.499998	-0.001045
-20	1851.499997	-0.001620	1913.499998	-0.001045
-10	1851.499998	-0.001080	1913.499998	-0.001045
0	1851.499997	-0.001620	1913.499999	-0.000523
10	1851.499997	-0.001620	1913.499999	-0.000523
20	1851.499999	-0.000540	1913.499999	-0.000523
30	1851.499996	-0.002160	1913.499996	-0.002090
40	1851.500003	0.001620	1913.500002	0.001045
50	1851.499997	-0.001620	1913.499995	-0.002613
50	1851.499996	-0.002160	1913.499996	-0.002090
50	1851.500003	0.001620	1913.500003	0.001568
50	1851.499995	-0.002701	1913.499997	-0.001568
85	1851.500004	0.002160	1913.499997	-0.001568

Cat-M1 Band 25, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1852.500005	0.002699	1912.500002	0.001046
2.5	1852.499998	-0.001080	1912.499999	-0.000523
4.4	1852.500002	0.001080	1912.499997	-0.001569

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1852.500001	0.000540	1912.500001	0.000523
-30	1852.500003	0.001619	1912.499995	-0.002614
-20	1852.500003	0.001619	1912.499997	-0.001569
-10	1852.499996	-0.002159	1912.500002	0.001046
0	1852.499995	-0.002699	1912.500004	0.002092
10	1852.499995	-0.002699	1912.499998	-0.001046
20	1852.500002	0.001080	1912.499998	-0.001046
30	1852.500003	0.001619	1912.499997	-0.001569
40	1852.500005	0.002699	1912.500005	0.002614
50	1852.499999	-0.000540	1912.500005	0.002614
50	1852.499997	-0.001619	1912.499995	-0.002614
50	1852.499995	-0.002699	1912.500003	0.001569
50	1852.500005	0.002699	1912.499998	-0.001046
85	1852.499997	-0.001619	1912.499998	-0.001046

Cat-M1 Band 25, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1854.999999	-0.000539	1910.000002	0.001047
2.5	1855.000004	0.002156	1910.000004	0.002094
4.4	1855.000002	0.001078	1910.000002	0.001047

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1855.000003	0.001617	1910.000002	0.001047
-30	1854.999995	-0.002695	1910.000001	0.000524
-20	1854.999996	-0.002156	1910.000003	0.001571
-10	1855.000004	0.002156	1909.999996	-0.002094
0	1854.999996	-0.002156	1910.000002	0.001047
10	1854.999998	-0.001078	1910.000002	0.001047
20	1855.000005	0.002695	1909.999997	-0.001571
30	1854.999999	-0.000539	1909.999996	-0.002094
40	1855.000003	0.001617	1909.999997	-0.001571
50	1855.000001	0.000539	1910.000003	0.001571
50	1854.999997	-0.001617	1910.000003	0.001571
50	1855.000003	0.001617	1910.000003	0.001571
50	1855.000001	0.000539	1910.000002	0.001047
85	1855.000005	0.002695	1909.999999	-0.000524

Cat-M1 Band 25, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1857.499998	-0.001077	1907.499995	-0.002621
2.5	1857.500001	0.000538	1907.500003	0.001573
4.4	1857.500005	0.002692	1907.499995	-0.002621

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1857.500005	0.002692	1907.500002	0.001048
-30	1857.500004	0.002153	1907.499998	-0.001048
-20	1857.499998	-0.001077	1907.500005	0.002621
-10	1857.500003	0.001615	1907.500005	0.002621
0	1857.500003	0.001615	1907.500003	0.001573
10	1857.499999	-0.000538	1907.500002	0.001048
20	1857.500005	0.002692	1907.499995	-0.002621
30	1857.500001	0.000538	1907.500002	0.001048
40	1857.500003	0.001615	1907.500002	0.001048
50	1857.499996	-0.002153	1907.500005	0.002621
50	1857.499999	-0.000538	1907.499995	-0.002621
50	1857.499998	-0.001077	1907.500002	0.001048
50	1857.500002	0.001077	1907.500004	0.002097
85	1857.499998	-0.001077	1907.499996	-0.002097

Cat-M1 Band 25, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	1860.000001	0.000538	1904.999998	-0.001050
2.5	1859.999996	-0.002151	1905.000002	0.001050
4.4	1860.000001	0.000538	1905.000002	0.001050

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1860.000004	0.002151	1904.999999	-0.000525
-30	1860.000002	0.001075	1904.999998	-0.001050
-20	1859.999995	-0.002688	1904.999999	-0.000525
-10	1859.999995	-0.002688	1904.999996	-0.002100
0	1860.000004	0.002151	1905.000003	0.001575
10	1860.000001	0.000538	1904.999998	-0.001050
20	1859.999996	-0.002151	1905.000002	0.001050
30	1860.000004	0.002151	1904.999998	-0.001050
40	1859.999996	-0.002151	1905.000005	0.002625
50	1859.999999	-0.000538	1905.000001	0.000525
50	1860.000002	0.001075	1904.999996	-0.002100
50	1860.000001	0.000538	1904.999999	-0.000525
50	1860.000004	0.002151	1905.000001	0.000525
85	1860.000001	0.000538	1904.999995	-0.002625

7.8.9 Cat-M1 Band 26 (Part 22)

Cat-M1 Band 26, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	824.700001	0.001213	848.300004	0.004715
2.5	824.700002	0.002425	848.300003	0.003536
4.4	824.700003	0.003638	848.300002	0.002358

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	824.700002	0.002425	848.299998	-0.002358
-30	824.699998	-0.002425	848.300003	0.003536
-20	824.700003	0.003638	848.300004	0.004715
-10	824.699997	-0.003638	848.300004	0.004715
0	824.699997	-0.003638	848.299996	-0.004715
10	824.700001	0.001213	848.300002	0.002358
20	824.699996	-0.004850	848.300001	0.001179
30	824.699999	-0.001213	848.300003	0.003536
40	824.700005	0.006063	848.299997	-0.003536
50	824.699995	-0.006063	848.299995	-0.005894
60	824.700002	0.002425	848.300004	0.004715
70	824.699999	-0.001213	848.299997	-0.003536
80	824.699997	-0.003638	848.299995	-0.005894
85	824.699997	-0.003638	848.300003	0.003536

Cat-M1 Band 26, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	825.500003	0.003634	847.500005	0.005900
2.5	825.500001	0.001211	847.500001	0.001180
4.4	825.500002	0.002423	847.500004	0.004720

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	825.500005	0.006057	847.500003	0.003540
-30	825.499999	-0.001211	847.499998	-0.002360
-20	825.500002	0.002423	847.500004	0.004720
-10	825.499997	-0.003634	847.500005	0.005900
0	825.500003	0.003634	847.499996	-0.004720
10	825.500001	0.001211	847.500005	0.005900
20	825.499995	-0.006057	847.499996	-0.004720
30	825.500003	0.003634	847.500004	0.004720
40	825.500004	0.004846	847.499998	-0.002360
50	825.500005	0.006057	847.499997	-0.003540
50	825.499997	-0.003634	847.499998	-0.002360
50	825.500003	0.003634	847.499999	-0.001180
50	825.499996	-0.004846	847.500005	0.005900
85	825.499998	-0.002423	847.499995	-0.005900

Cat-M1 Band 26, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	826.499998	-0.002420	846.499996	-0.004725
2.5	826.499995	-0.006050	846.500003	0.003544
4.4	826.500001	0.001210	846.500003	0.003544

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	826.500002	0.002420	846.500004	0.004725
-30	826.499997	-0.003630	846.499997	-0.003544
-20	826.499997	-0.003630	846.500003	0.003544
-10	826.500002	0.002420	846.500002	0.002363
0	826.499999	-0.001210	846.500002	0.002363
10	826.499999	-0.001210	846.499999	-0.001181
20	826.499999	-0.001210	846.500003	0.003544
30	826.500004	0.004840	846.499999	-0.001181
40	826.500005	0.006050	846.499997	-0.003544
50	826.500002	0.002420	846.499996	-0.004725
50	826.499999	-0.001210	846.499995	-0.005907
50	826.499995	-0.006050	846.500003	0.003544
50	826.499999	-0.001210	846.500002	0.002363
85	826.500004	0.004840	846.500004	0.004725

Cat-M1 Band 26, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	829.000001	0.001206	843.999998	-0.002370
2.5	828.999995	-0.006031	844.000003	0.003555
4.4	828.999996	-0.004825	844.000004	0.004739

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	829.000003	0.003619	844.000003	0.003555
-30	829.000004	0.004825	843.999999	-0.001185
-20	829.000004	0.004825	844.000004	0.004739
-10	829.000003	0.003619	844.000004	0.004739
0	829.000001	0.001206	843.999995	-0.005924
10	828.999995	-0.006031	844.000002	0.002370
20	829.000002	0.002413	843.999998	-0.002370
30	829.000002	0.002413	844.000000	0.000000
40	829.000001	0.001206	844.000003	0.003555
50	829.000002	0.002413	843.999995	-0.005924
50	828.999997	-0.003619	844.000002	0.002370
50	829.000001	0.001206	844.000001	0.001185
50	828.999996	-0.004825	843.999996	-0.004739
85	829.000004	0.004825	844.000003	0.003555

Cat-M1 Band 26, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	831.499999	-0.001203	841.499996	-0.004753
2.5	831.500004	0.004811	841.499996	-0.004753
4.4	831.499996	-0.004811	841.500005	0.005942

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	831.499997	-0.003608	841.500003	0.003565
-30	831.499996	-0.004811	841.500005	0.005942
-20	831.500004	0.004811	841.500005	0.005942
-10	831.499999	-0.001203	841.499999	-0.001188
0	831.500003	0.003608	841.499996	-0.004753
10	831.499997	-0.003608	841.500003	0.003565
20	831.500005	0.006013	841.499995	-0.005942
30	831.500005	0.006013	841.500003	0.003565
40	831.500001	0.001203	841.499998	-0.002377
50	831.500001	0.001203	841.500001	0.001188
50	831.500001	0.001203	841.499995	-0.005942
50	831.500004	0.004811	841.499998	-0.002377
50	831.499996	-0.004811	841.499999	-0.001188
85	831.500002	0.002405	841.500002	0.002377