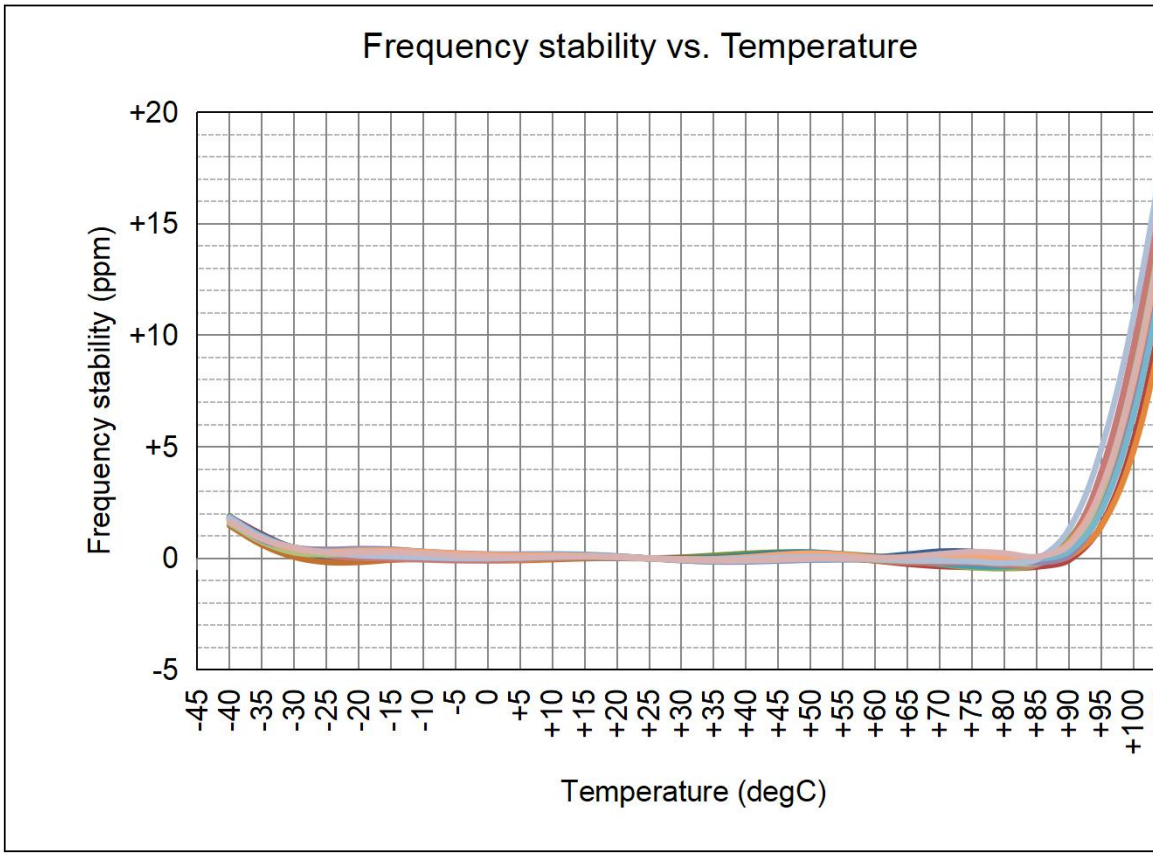
Frequency stability vs. Temperature of TG-5006CJ-11V 19.2MHz

Frequency data

Hz	-40.01	-35	-30	-25.01	-19.98	-15.01	-10.01	-5	0
Dev.No1	19200035.770	19200017.430	19200006.620	19200001.040	19200001.060	19200001.640	19200001.090	19199999.950	19199999.250
Dev.No2	19200034.760	19200019.710	19200008.070	19200004.860	19200003.430	19200002.810	19200001.510	19200000.020	19199999.130
Dev.No3	19200038.670	19200019.290	19200011.600	19200008.220	19200006.300	19200005.750	19200004.820	19200004.030	19200003.890
Dev.No4	19200033.570	19200016.830	19200007.880	19200004.880	19200003.950	19200003.500	19200002.120	19200000.570	19199999.770
Dev.No5	19200033.240	19200018.680	19200008.000	19200004.890	19200005.120	19200004.880	19200003.350	19200001.300	19199999.900
Dev.No6	19200031.880	19200015.430	19200004.880	19200000.410	19200000.390	19200002.300	19200003.050	19200002.530	19200001.920
Dev.No7	19200037.230	19200022.410	19200013.070	19200010.730	19200011.170	19200011.200	19200009.680	19200007.590	19200006.020
Dev.No8	19200033.350	19200017.080	19200008.630	19200005.950	19200006.080	19200004.940	19200002.490	19200000.260	19199999.300
Dev.No9	19200046.830	19200029.870	19200023.130	19200017.650	19200015.330	19200014.210	19200013.320	19200012.920	19200013.500
Dev.No10	19200032.230	19200014.400	19200007.270	19200003.920	19200004.460	19200004.520	19200003.380	19200001.790	19200000.890
Dev.No11	19200029.720	19200013.820	19200007.190	19200005.250	19200003.740	19200002.330	19200000.510	19199999.130	19199998.770
Dev.No12	19200035.250	19200018.960	19200008.800	19200008.130	19200007.850	19200005.740	19200002.650	19200000.220	19199999.280
Dev.No13	19200034.780	19200018.300	19200008.230	19200005.630	19200006.030	19200006.080	19200004.930	19200003.560	19200002.750
Dev.No14	19200037.040	19200019.520	19200011.550	19200005.250	19200003.110	19200002.400	19200001.550	19200000.800	19200000.880
Dev.No15	19200029.050	19200013.020	19200003.820	19200002.050	19200003.240	19200003.550	19200002.470	19200000.880	19199999.740
Dev.No16	19200034.450	19200015.340	19200008.570	19200007.040	19200007.680	19200007.220	19200005.040	19200002.510	19200000.800
Dev.No17	19200032.380	19200016.130	19200005.950	19200004.070	19200005.260	19200004.740	19200002.800	19200000.990	19200000.310
Dev.No18	19200032.860	19200016.980	19200007.490	19200005.340	19200006.080	19200006.420	19200005.300	19200003.780	19200002.700
Dev.No19	19200033.310	19200016.610	19200007.450	19200003.690	19200001.030	19200000.060	19199999.280	19199998.520	19199998.370
Dev.No20	19200042.910	19200028.040	19200020.560	19200016.330	19200016.410	19200016.610	19200015.460	19200013.810	19200012.670

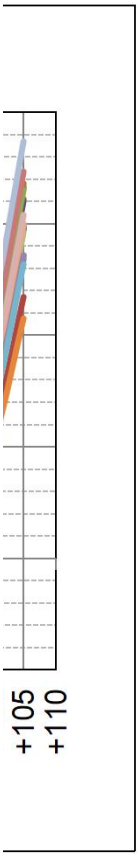
Frequency deviation

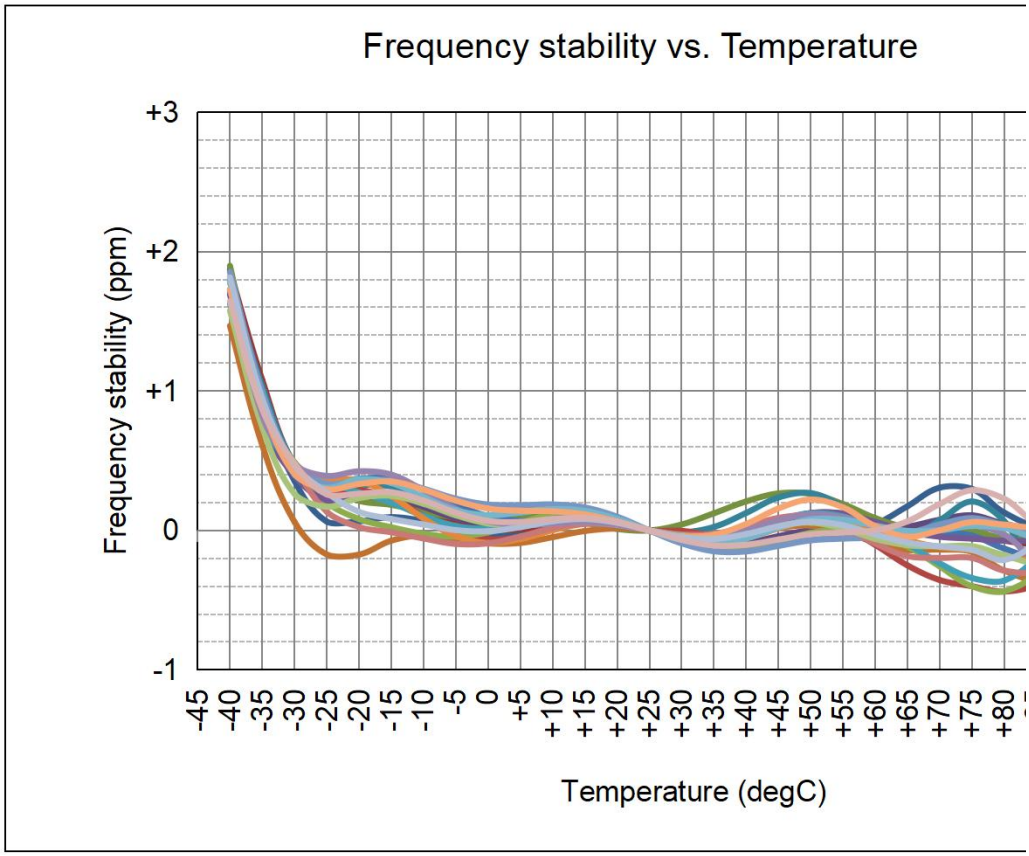
ppm	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
Dev.No1	1.87	0.92	0.35	0.06	0.07	0.10	0.07	0.01	-0.03
Dev.No2	1.86	1.08	0.47	0.30	0.23	0.20	0.13	0.05	0.01
Dev.No3	1.90	0.89	0.49	0.31	0.21	0.18	0.13	0.09	0.09
Dev.No4	1.81	0.93	0.47	0.31	0.26	0.24	0.17	0.09	0.05
Dev.No5	1.79	1.03	0.48	0.32	0.33	0.32	0.24	0.13	0.06
Dev.No6	1.47	0.61	0.06	-0.17	-0.17	-0.07	-0.03	-0.06	-0.09
Dev.No7	1.73	0.96	0.47	0.35	0.37	0.37	0.29	0.18	0.10
Dev.No8	1.71	0.86	0.42	0.28	0.29	0.23	0.10	-0.01	-0.06
Dev.No9	1.72	0.84	0.49	0.20	0.08	0.02	-0.02	-0.04	-0.01
Dev.No10	1.69	0.76	0.39	0.22	0.25	0.25	0.19	0.11	0.06
Dev.No11	1.62	0.80	0.45	0.35	0.27	0.20	0.10	0.03	0.01
Dev.No12	1.78	0.94	0.41	0.37	0.36	0.25	0.09	-0.04	-0.09
Dev.No13	1.85	1.00	0.47	0.34	0.36	0.36	0.30	0.23	0.19
Dev.No14	1.79	0.88	0.46	0.14	0.02	-0.01	-0.06	-0.10	-0.09
Dev.No15	1.58	0.74	0.26	0.17	0.23	0.25	0.19	0.11	0.05
Dev.No16	1.82	0.82	0.47	0.39	0.42	0.40	0.29	0.16	0.07
Dev.No17	1.78	0.93	0.40	0.31	0.37	0.34	0.24	0.14	0.11
Dev.No18	1.73	0.90	0.41	0.29	0.33	0.35	0.29	0.21	0.16
Dev.No19	1.81	0.94	0.47	0.27	0.13	0.08	0.04	0.00	-0.01
Dev.No20	1.64	0.87	0.48	0.26	0.26	0.27	0.21	0.13	0.07
Max.	1.90	1.08	0.49	0.39	0.42	0.40	0.30	0.23	0.19
Ave.	1.75	0.89	0.42	0.25	0.23	0.22	0.15	0.07	0.03
Min.	1.47	0.61	0.06	-0.17	-0.17	-0.07	-0.06	-0.10	-0.09


Frequency stability vs. Temperature
Frequency stability (ppm)
+20
+15
+10
+5
0
-5
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
+5
+10
+15
+20
+25
+30
+35
+40
+45
+50
+55
+60
+65
+70
+75
+80
+85
+90
+95
+100
Temperature (degC)

5	9.98	15	20	24.99	30.02	35.03	40.01	45.02	50.01
19199999.490	19200000.290	19200000.820	19200000.680	19199999.810	19199998.660	19199997.730	19199997.600	19199998.040	19199998.660
19199999.190	19199999.760	19200000.130	19199999.860	19199999.016	19199998.190	19199998.030	19199998.790	19200000.250	19200001.390
19200004.110	19200004.010	19200003.300	19200002.430	19200002.232	19200003.060	19200004.600	19200006.230	19200007.330	19200007.260
19199999.910	19200000.490	19200000.710	19200000.120	19199998.882	19199997.570	19199996.850	19199997.150	19199998.100	19199998.930
19199999.520	19199999.790	19199999.890	19199999.500	19199998.832	19199998.560	19199999.320	19200001.240	19200003.370	19200003.970
19200001.990	19200002.780	19200003.630	19200003.970	19200003.713	19200003.210	19200002.970	19200003.340	19200004.090	19200004.370
19200005.360	19200005.250	19200005.110	19200004.710	19200004.054	19200003.520	19200003.560	19200004.170	19200005.120	19200005.640
19199999.640	19200000.940	19200001.610	19200001.340	19200000.504	19200000.440	19199999.900	19200000.400	19200001.340	19200002.100
19200014.800	19200016.000	19200016.300	19200015.440	19200013.772	19200012.050	19200011.060	19200011.220	19200012.290	19200013.440
19200000.870	19200001.260	19200001.340	19200000.780	19199999.754	19199998.840	19199998.660	19199999.500	19200001.020	19200002.150
19199999.360	19200000.110	19200000.300	19199999.660	19199998.520	19199997.560	19199997.410	19199998.350	19199999.930	19200000.880
19199999.810	19200001.010	19200001.900	19200001.850	19200000.999	19199999.890	19199999.360	19199999.940	19200001.270	19200002.390
19200002.650	19200002.760	19200002.340	19200001.070	19199999.181	19199997.400	19199996.310	19199996.290	19199997.050	19199997.810
19200001.820	19200002.960	19200003.570	19200003.350	19200002.658	19200002.100	19200002.200	19200003.170	19200004.390	19200004.660
19199999.490	19199999.780	19199999.950	19199999.580	19199998.786	19199998.090	19199997.920	19199998.510	19199999.480	19199999.860
19200000.290	19200000.510	19200000.690	19200000.340	19199999.533	19199998.770	19199998.710	19199999.550	19200000.940	19200001.750
19200000.670	19200001.140	19200000.890	19199999.780	19199998.208	19199996.870	19199996.360	19199997.090	19199998.590	19199999.730
19200002.400	19200002.320	19200001.890	19200000.910	19199999.686	19199998.900	19199999.100	19200000.580	19200002.710	19200003.940
19199998.930	19199999.740	19200000.050	19199999.530	19199998.477	19199997.560	19199997.310	19199997.980	19199999.040	19199999.670
19200012.530	19200012.930	19200013.070	19200012.520	19200011.357	19200010.060	19200009.280	19200009.390	19200010.110	19200010.820

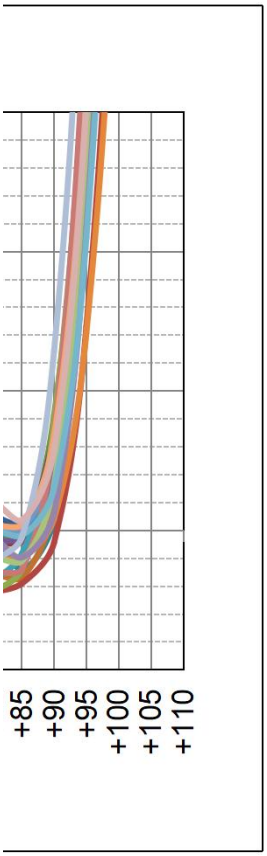
5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0
-0.02	0.03	0.05	0.05	0.00	-0.06	-0.11	-0.12	-0.09	-0.06
0.01	0.04	0.06	0.04	0.00	-0.04	-0.05	-0.01	0.06	0.12
0.10	0.09	0.06	0.01	0.00	0.04	0.12	0.21	0.27	0.26
0.05	0.08	0.10	0.06	0.00	-0.07	-0.11	-0.09	-0.04	0.00
0.04	0.05	0.06	0.03	0.00	-0.01	0.03	0.13	0.24	0.27
-0.09	-0.05	0.00	0.01	0.00	-0.03	-0.04	-0.02	0.02	0.03
0.07	0.06	0.05	0.03	0.00	-0.03	-0.03	0.01	0.06	0.08
-0.05	0.02	0.06	0.04	0.00	0.00	-0.03	-0.01	0.04	0.08
0.05	0.12	0.13	0.09	0.00	-0.09	-0.14	-0.13	-0.08	-0.02
0.06	0.08	0.08	0.05	0.00	-0.05	-0.06	-0.01	0.07	0.12
0.04	0.08	0.09	0.06	0.00	-0.05	-0.06	-0.01	0.07	0.12
-0.06	0.00	0.05	0.04	0.00	-0.06	-0.09	-0.06	0.01	0.07
0.18	0.19	0.16	0.10	0.00	-0.09	-0.15	-0.15	-0.11	-0.07
-0.04	0.02	0.05	0.04	0.00	-0.03	-0.02	0.03	0.09	0.10
0.04	0.05	0.06	0.04	0.00	-0.04	-0.05	-0.01	0.04	0.06
0.04	0.05	0.06	0.04	0.00	-0.04	-0.04	0.00	0.07	0.12
0.13	0.15	0.14	0.08	0.00	-0.07	-0.10	-0.06	0.02	0.08
0.14	0.14	0.11	0.06	0.00	-0.04	-0.03	0.05	0.16	0.22
0.02	0.07	0.08	0.05	0.00	-0.05	-0.06	-0.03	0.03	0.06
0.06	0.08	0.09	0.06	0.00	-0.07	-0.11	-0.10	-0.06	-0.03
0.18	0.19	0.16	0.10	0.00	0.04	0.12	0.21	0.27	0.27
0.04	0.07	0.08	0.05	0.00	-0.04	-0.06	-0.02	0.04	0.08
-0.09	-0.05	0.00	0.01	0.00	-0.09	-0.15	-0.15	-0.11	-0.07

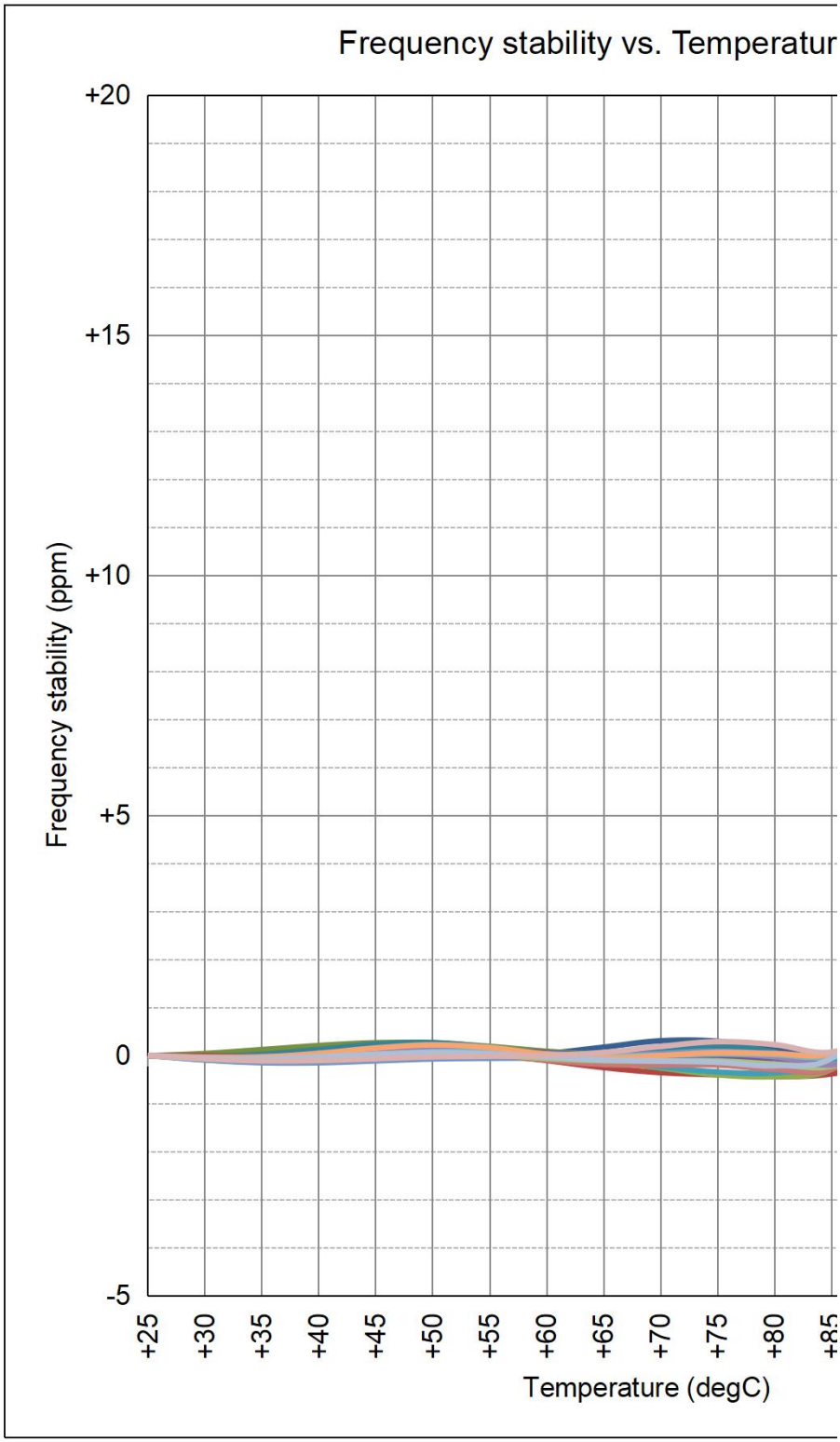

+105
+110


Frequency stability vs. Temperature
Frequency stability (ppm)
+3
+2
+1
0
-1
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
+5
+10
+15
+20
+25
+30
+35
+40
+45
+50
+55
+60
+65
+70
+75
+80
Temperature (degC)

54.99	60.01	65	69.99	75	79.99	85.01	90.01	95	100
19199999.330	19200000.650	19200003.140	19200005.700	19200005.520	19200002.270	19200000.750	19200008.060	19200064.160	19200170.140
19200001.340	19200000.300	19199999.160	19199998.690	19199998.480	19199997.600	19199997.480	19200008.170	19200050.420	19200141.000
19200005.870	19200003.930	19200002.620	19200002.290	19200002.180	19200001.240	19200002.230	19200018.020	19200068.830	19200166.480
19199999.100	19199998.980	19199999.390	19200000.350	19200000.960	19199999.810	19199999.350	19200013.100	19200063.520	19200162.230
19200002.090	19199999.010	19199997.900	19200000.240	19200002.810	19200000.110	19199993.510	19200000.370	19200047.560	19200143.580
19200003.580	19200002.040	19200001.020	19200001.070	19200000.770	19199998.180	19199997.170	19200007.730	19200063.570	19200172.140
19200005.330	19200004.560	19200003.970	19200003.810	19200003.340	19200001.560	19200000.510	19200012.420	19200058.330	19200150.840
19200001.020	19199998.510	19199995.690	19199993.680	19199992.820	19199992.090	19199993.180	19199998.840	19200028.580	19200101.480
19200013.850	19200013.260	19200011.550	19200008.820	19200006.080	19200005.390	19200008.330	19200028.670	19200083.970	19200185.020
19200002.080	19200000.930	19199999.610	19199998.880	19199998.620	19199998.350	19199998.790	19200008.430	19200045.980	19200128.700
19200000.440	19199998.810	19199996.660	19199993.990	19199991.970	19199991.620	19199995.260	19200010.050	19200050.140	19200130.110
19200002.360	19200001.130	19199999.660	19199998.700	19199998.270	19199997.350	19199997.290	19200002.630	19200028.200	19200092.920
19199998.050	19199998.220	19199998.770	19200000.000	19200000.870	19199999.940	19199999.170	19200010.320	19200055.120	19200147.440
19200003.250	19200000.860	19199999.120	19199998.880	19199998.860	19199997.130	19199997.230	19200015.900	19200076.020	19200183.940
19199999.050	19199997.630	19199996.750	19199996.600	19199996.610	19199995.390	19199994.540	19200005.100	19200048.370	19200139.490
19200001.320	19200000.090	19199999.270	19199999.630	19200000.230	19199998.980	19199995.820	19200001.950	19200041.250	19200128.570
19199999.680	19199998.860	19199998.140	19199998.230	19199998.820	19199998.530	19199997.510	19200003.990	19200038.500	19200120.330
19200002.880	19200000.260	19199998.820	19199999.700	19200000.840	19200000.480	19200000.460	19200012.730	19200058.820	19200150.900
19199999.180	19199997.920	19199996.800	19199996.270	19199995.790	19199994.410	19199997.470	19200023.180	19200091.800	19200204.800
19200011.060	19200011.370	19200012.610	19200014.990	19200016.890	19200015.720	19200012.780	19200022.430	19200070.290	19200166.470

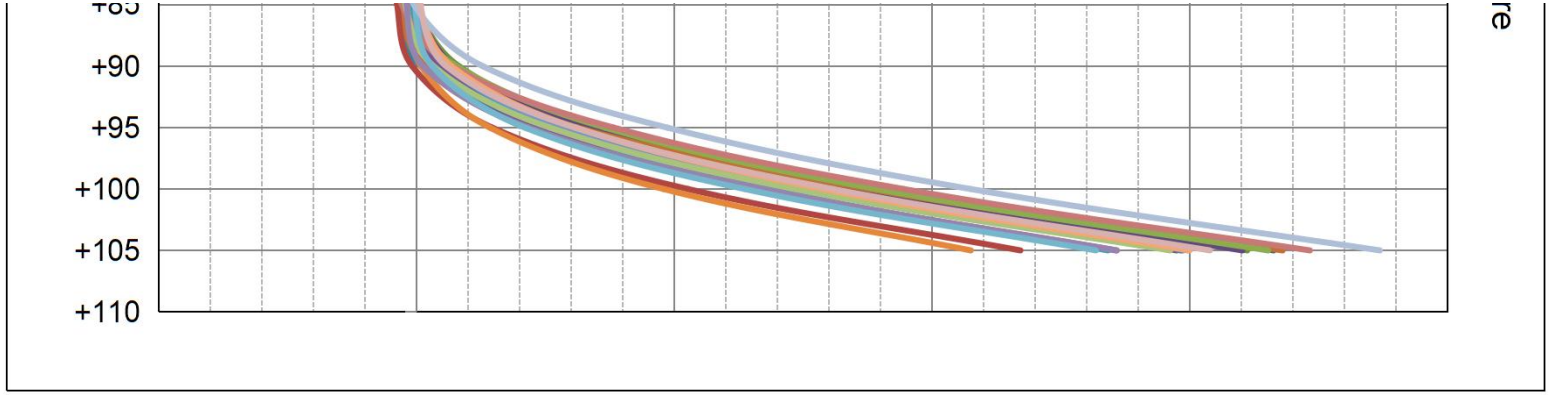
55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0
-0.03	0.04	0.17	0.31	0.30	0.13	0.05	0.43	3.35	8.87
0.12	0.07	0.01	-0.02	-0.03	-0.07	-0.08	0.48	2.68	7.40
0.19	0.09	0.02	0.00	0.00	-0.05	0.00	0.82	3.47	8.55
0.01	0.01	0.03	0.08	0.11	0.05	0.02	0.74	3.37	8.51
0.17	0.01	-0.05	0.07	0.21	0.07	-0.28	0.08	2.54	7.54
-0.01	-0.09	-0.14	-0.14	-0.15	-0.29	-0.34	0.21	3.12	8.77
0.07	0.03	0.00	-0.01	-0.04	-0.13	-0.18	0.44	2.83	7.65
0.03	-0.10	-0.25	-0.36	-0.40	-0.44	-0.38	-0.09	1.46	5.26
0.00	-0.03	-0.12	-0.26	-0.40	-0.44	-0.28	0.78	3.66	8.92
0.12	0.06	-0.01	-0.05	-0.06	-0.07	-0.05	0.45	2.41	6.72
0.10	0.02	-0.10	-0.24	-0.34	-0.36	-0.17	0.60	2.69	6.85
0.07	0.01	-0.07	-0.12	-0.14	-0.19	-0.19	0.08	1.42	4.79
-0.06	-0.05	-0.02	0.04	0.09	0.04	0.00	0.58	2.91	7.72
0.03	-0.09	-0.18	-0.20	-0.20	-0.29	-0.28	0.69	3.82	9.44
0.01	-0.06	-0.11	-0.11	-0.11	-0.18	-0.22	0.33	2.58	7.33
0.09	0.03	-0.01	0.01	0.04	-0.03	-0.19	0.13	2.17	6.72
0.08	0.03	0.00	0.00	0.03	0.02	-0.04	0.30	2.10	6.36
0.17	0.03	-0.05	0.00	0.06	0.04	0.04	0.68	3.08	7.88
0.04	-0.03	-0.09	-0.11	-0.14	-0.21	-0.05	1.29	4.86	10.75
-0.02	0.00	0.07	0.19	0.29	0.23	0.07	0.58	3.07	8.08
0.19	0.09	0.17	0.31	0.30	0.23	0.07	1.29	4.86	10.75
0.06	0.00	-0.05	-0.05	-0.04	-0.11	-0.13	0.48	2.88	7.70
-0.06	-0.10	-0.25	-0.36	-0.40	-0.44	-0.38	-0.09	1.42	4.79


+85
+90
+95
+100
+105
+110


Frequency stability vs. Temperatur
+20
+15
+10
+5
0
-5
Frequency stability (ppm)
+25
+30
+35
+40
+45
+50
+55
+60
+65
+70
+75
+80
+85
Temperature (degC)

105
19200319.010
19200282.090
19200311.580
19200306.440
19200283.470
19200326.230
19200289.430
19200225.350
19200330.910
19200260.220
19200255.940
19200207.370
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105.0
16.63
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16.11
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16.52
13.57
13.41
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14.96
17.33
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13.58
13.18
14.99
18.69
15.39
18.69
14.93
10.75


+90
+95
+100
+105
+110