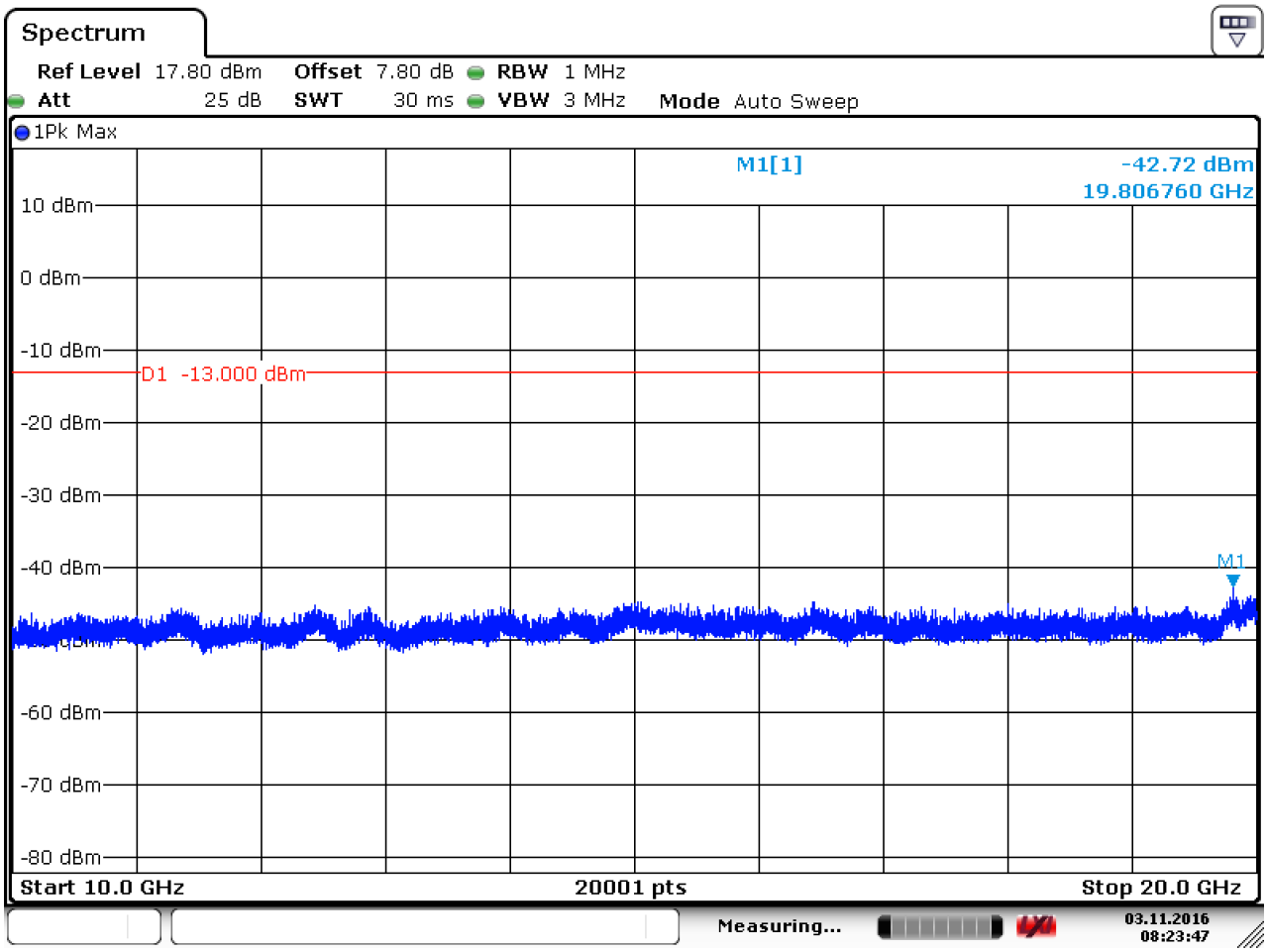
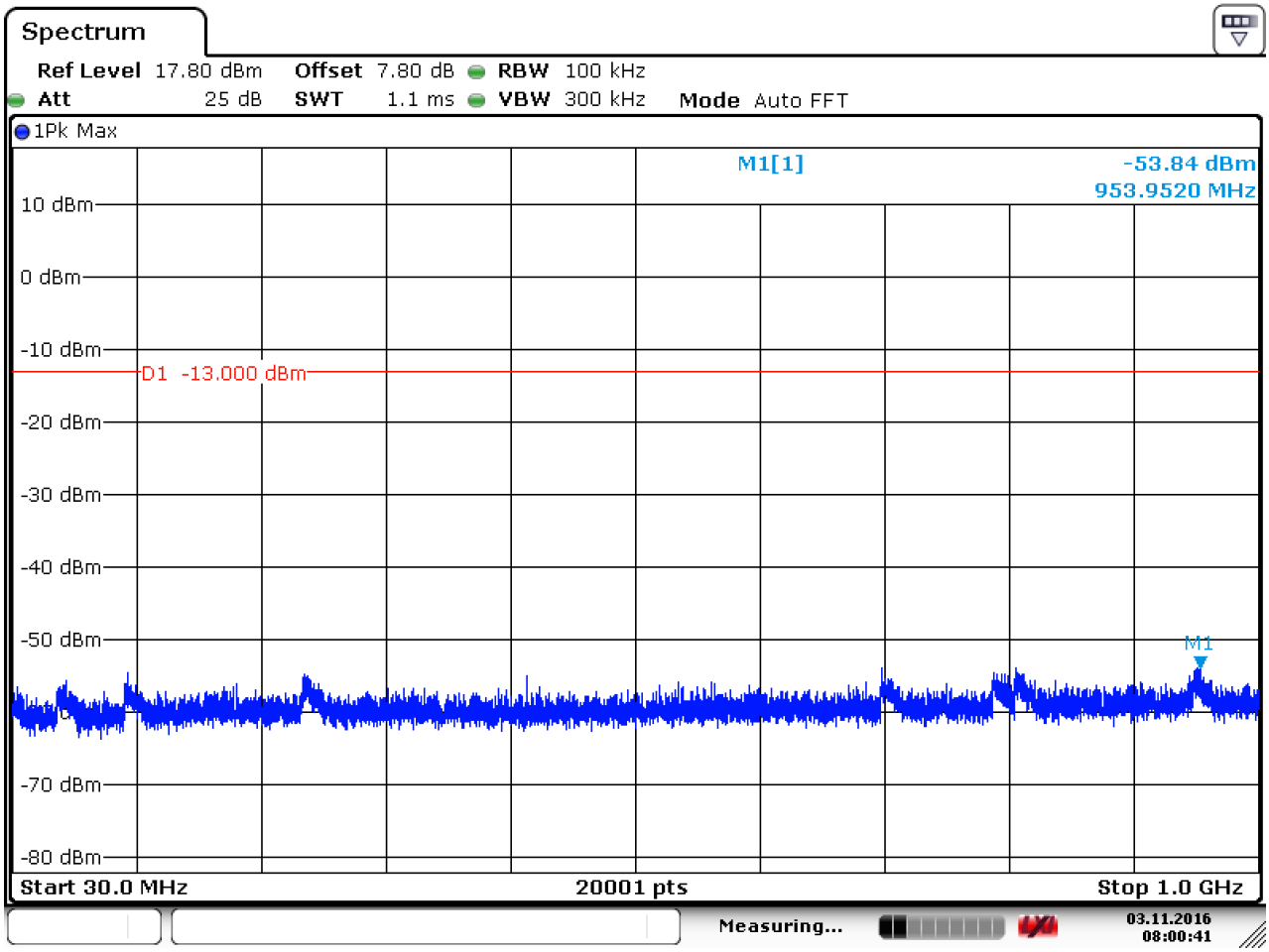
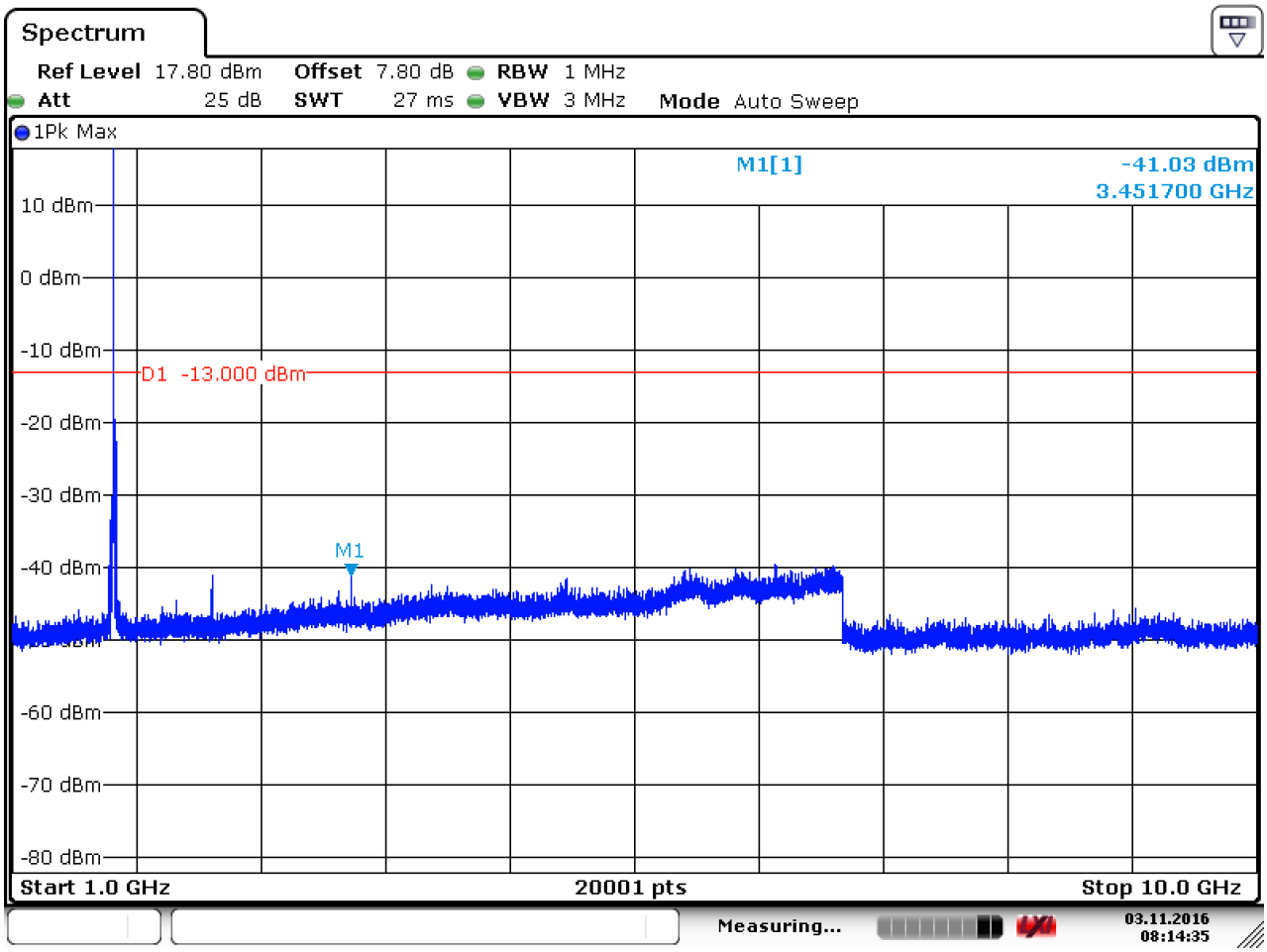


Date: 3.NOV.2016 08:23:47

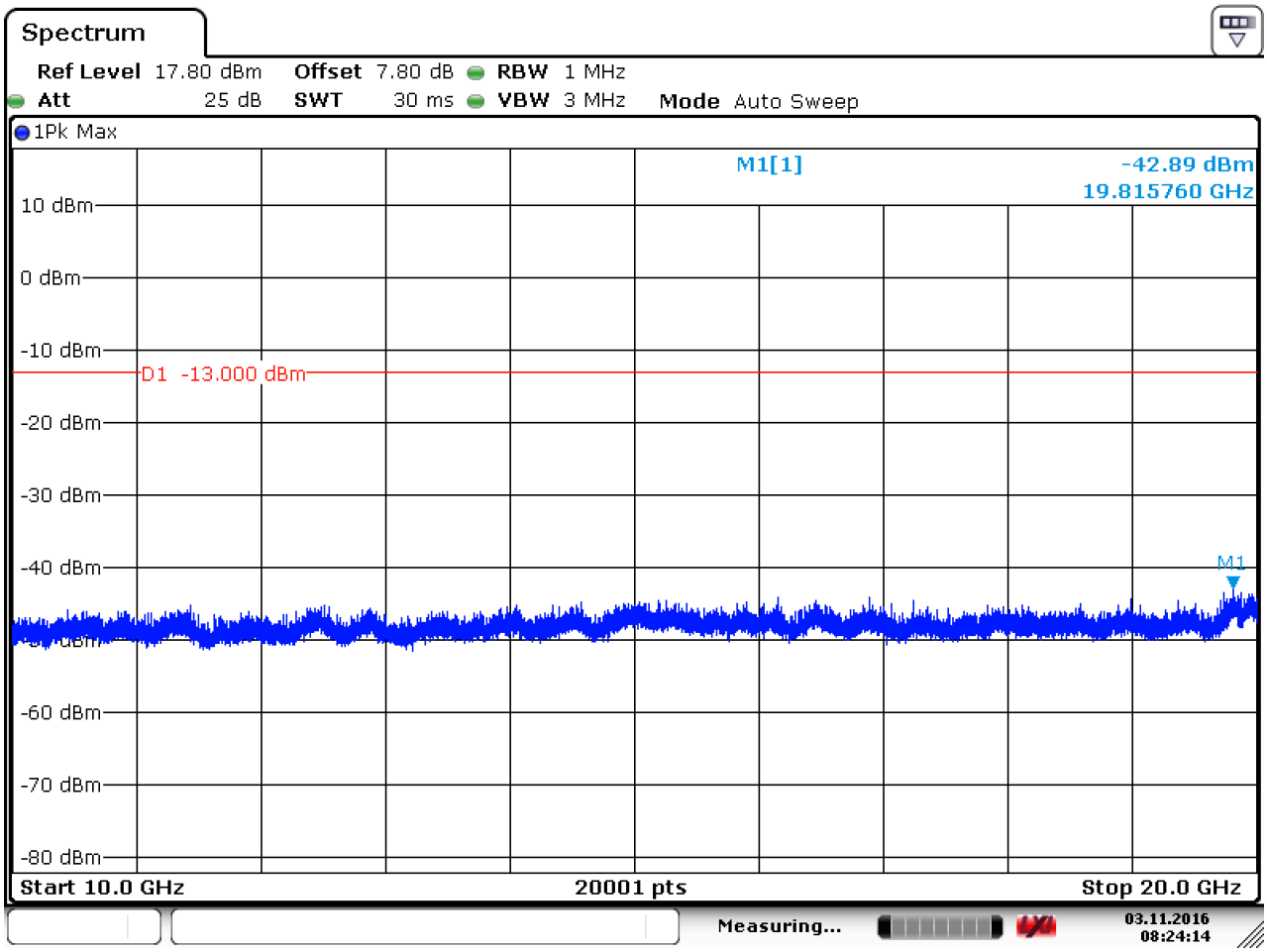
6.1.1.5.2 Test Channel = MCH



Date: 3.NOV.2016 08:00:41

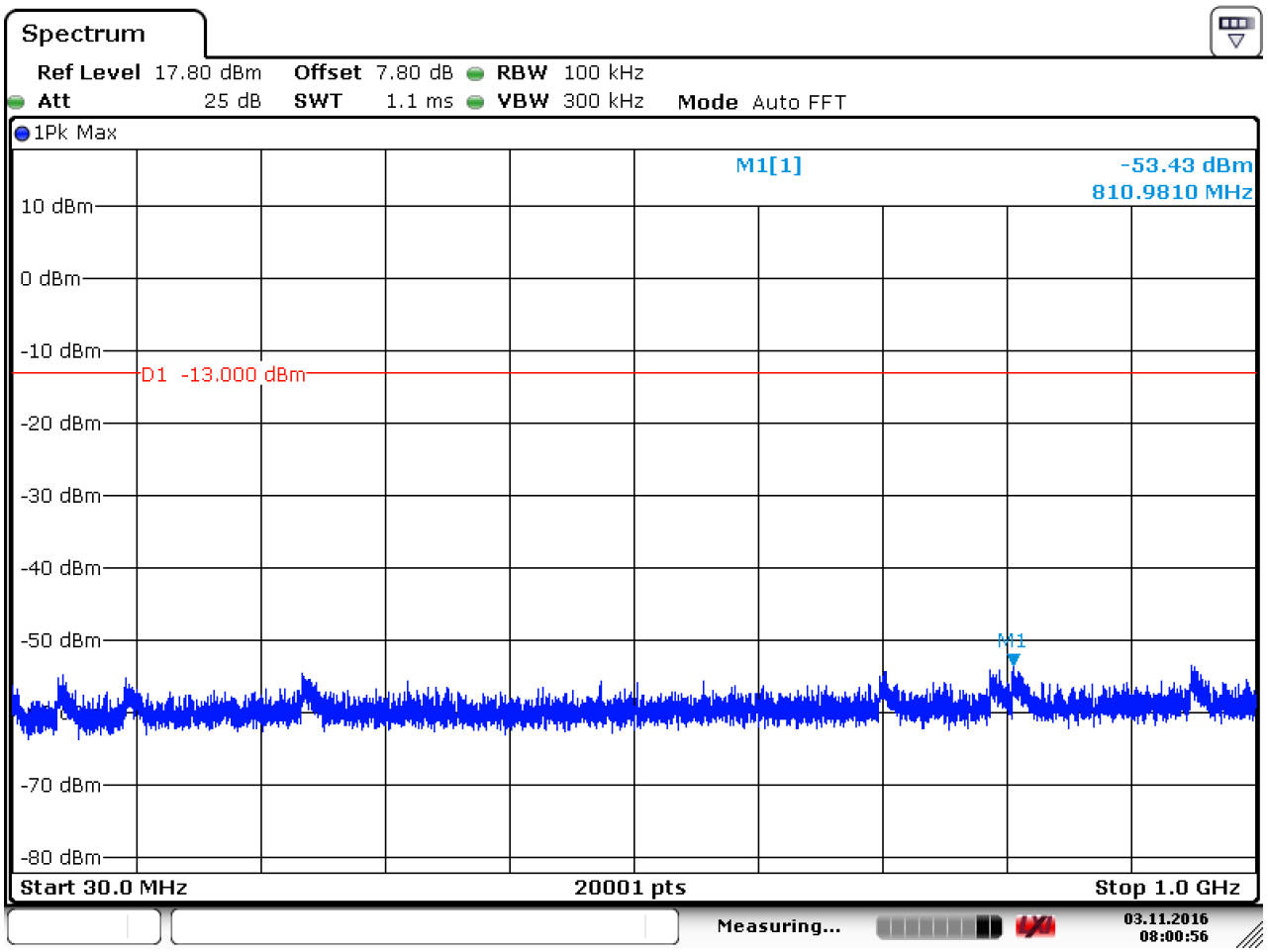


Date: 3.NOV.2016 08:14:36

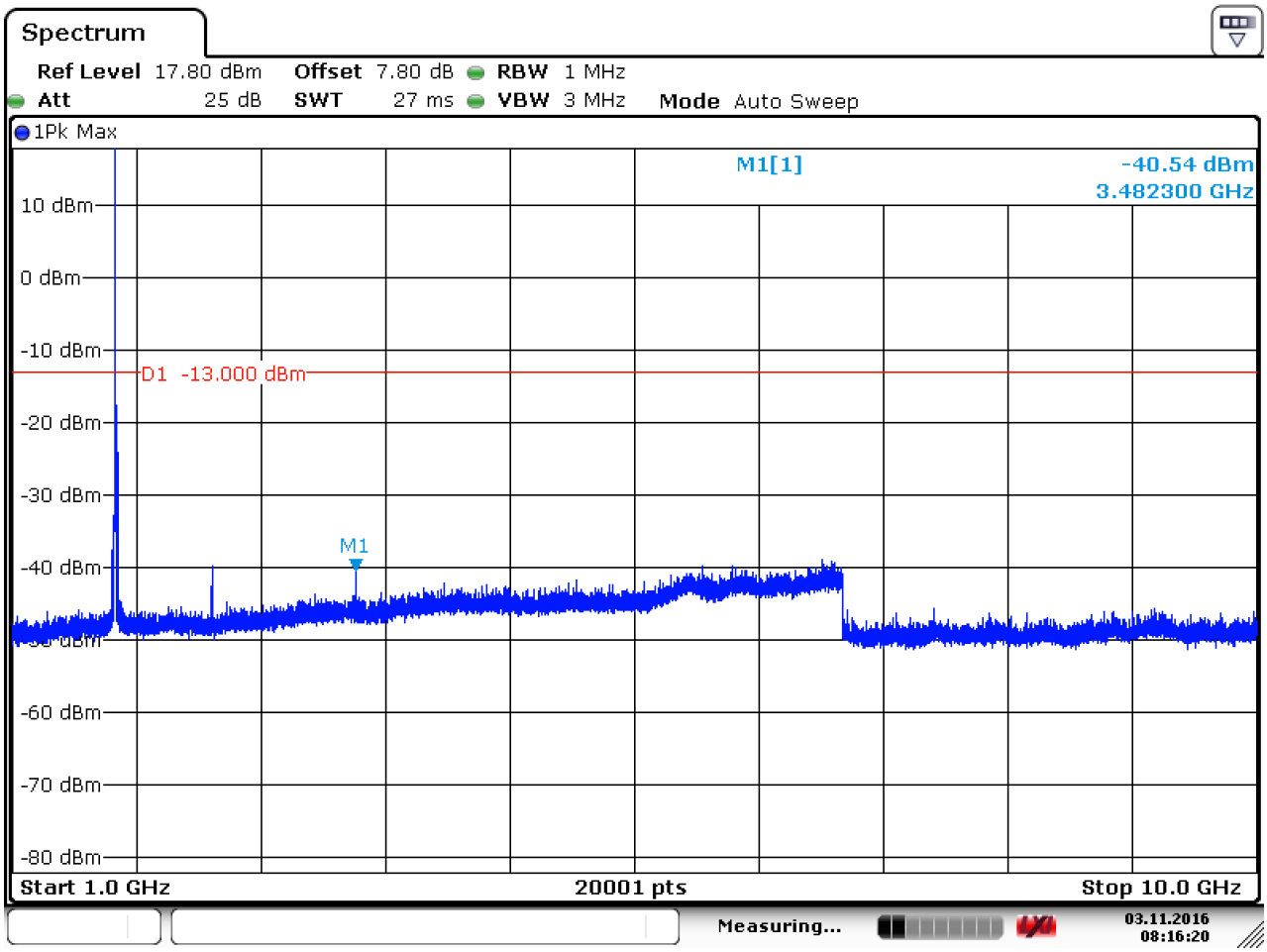


Date: 3.NOV.2016 08:24:15

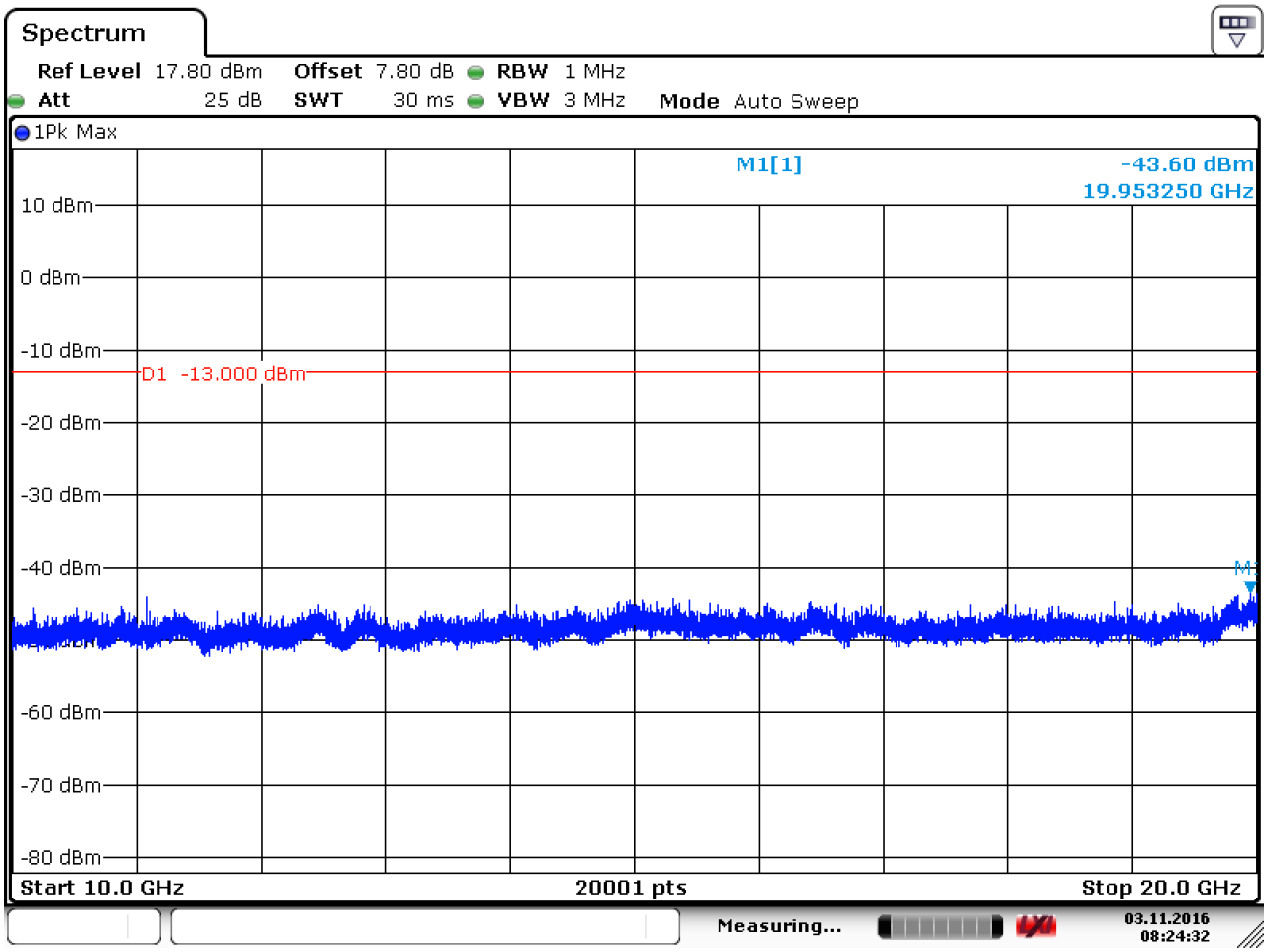
6.1.1.5.3 Test Channel = HCH



Date: 3.NOV.2016 08:00:57



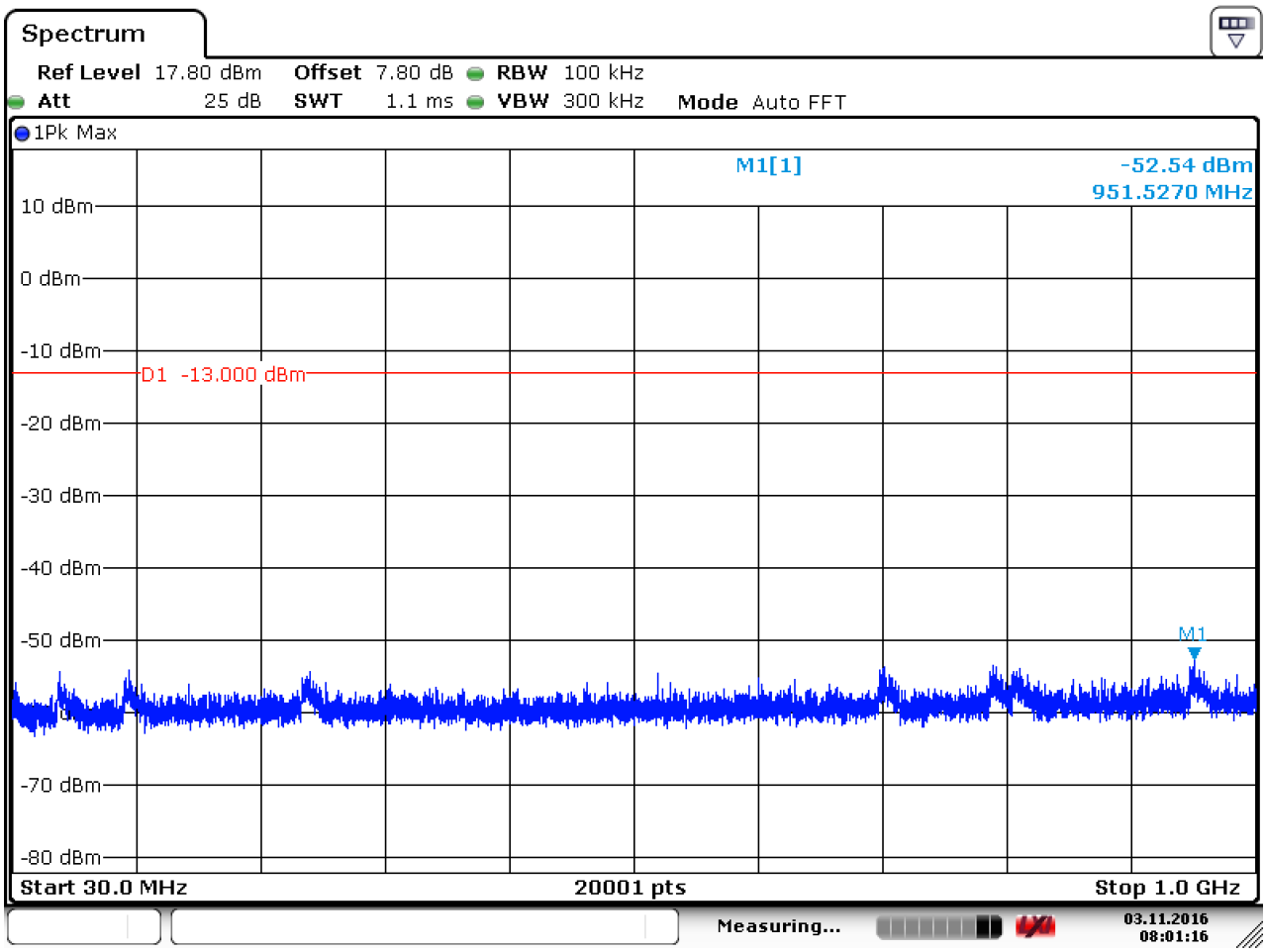
Date: 3.NOV.2016 08:16:20



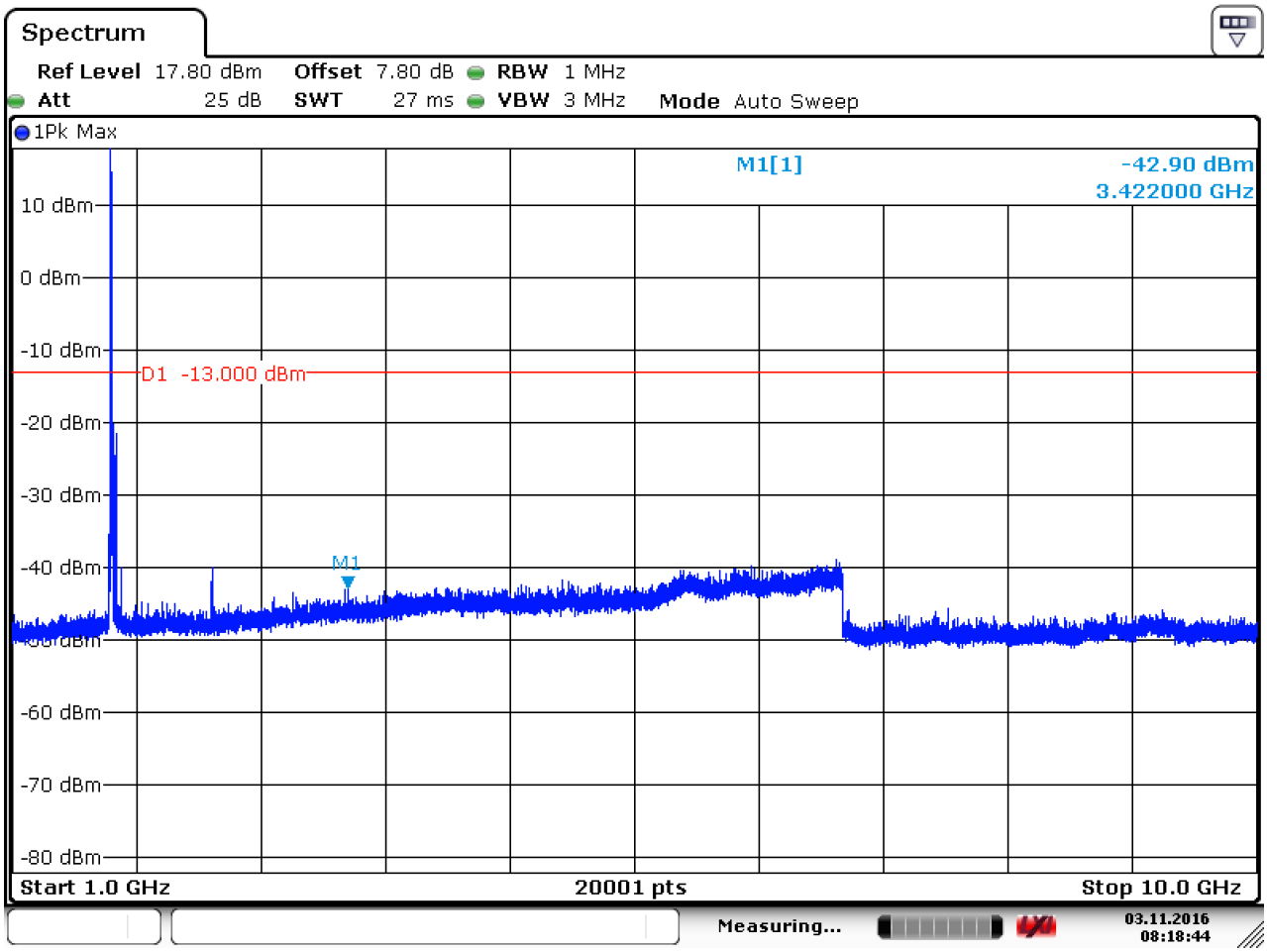
Date: 3.NOV.2016 08:24:32

6.1.1.6 Test Mode = LTE / TM1 20MHz RB1#0

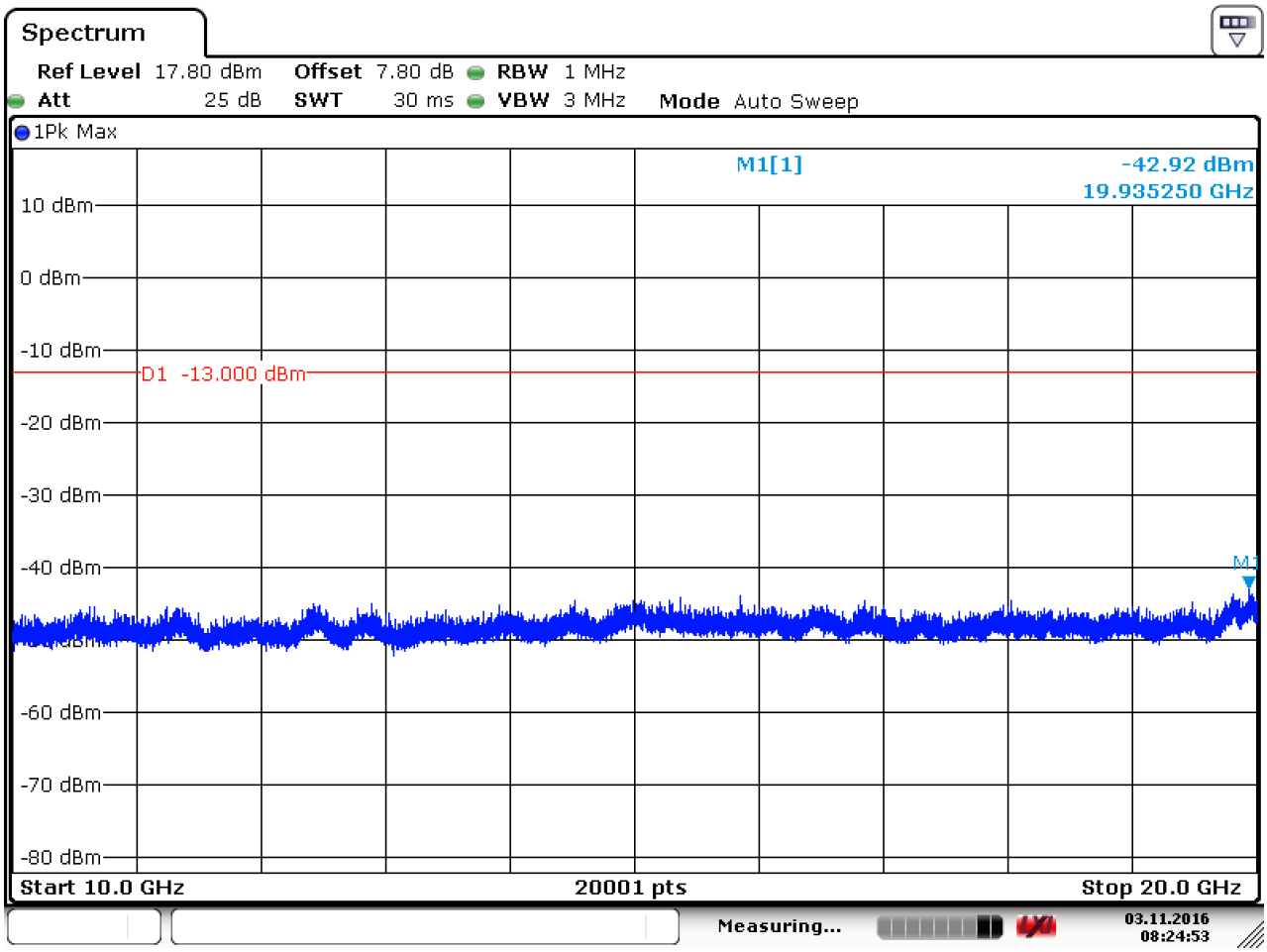
6.1.1.6.1 Test Channel = LCH



Date: 3.NOV.2016 08:01:17

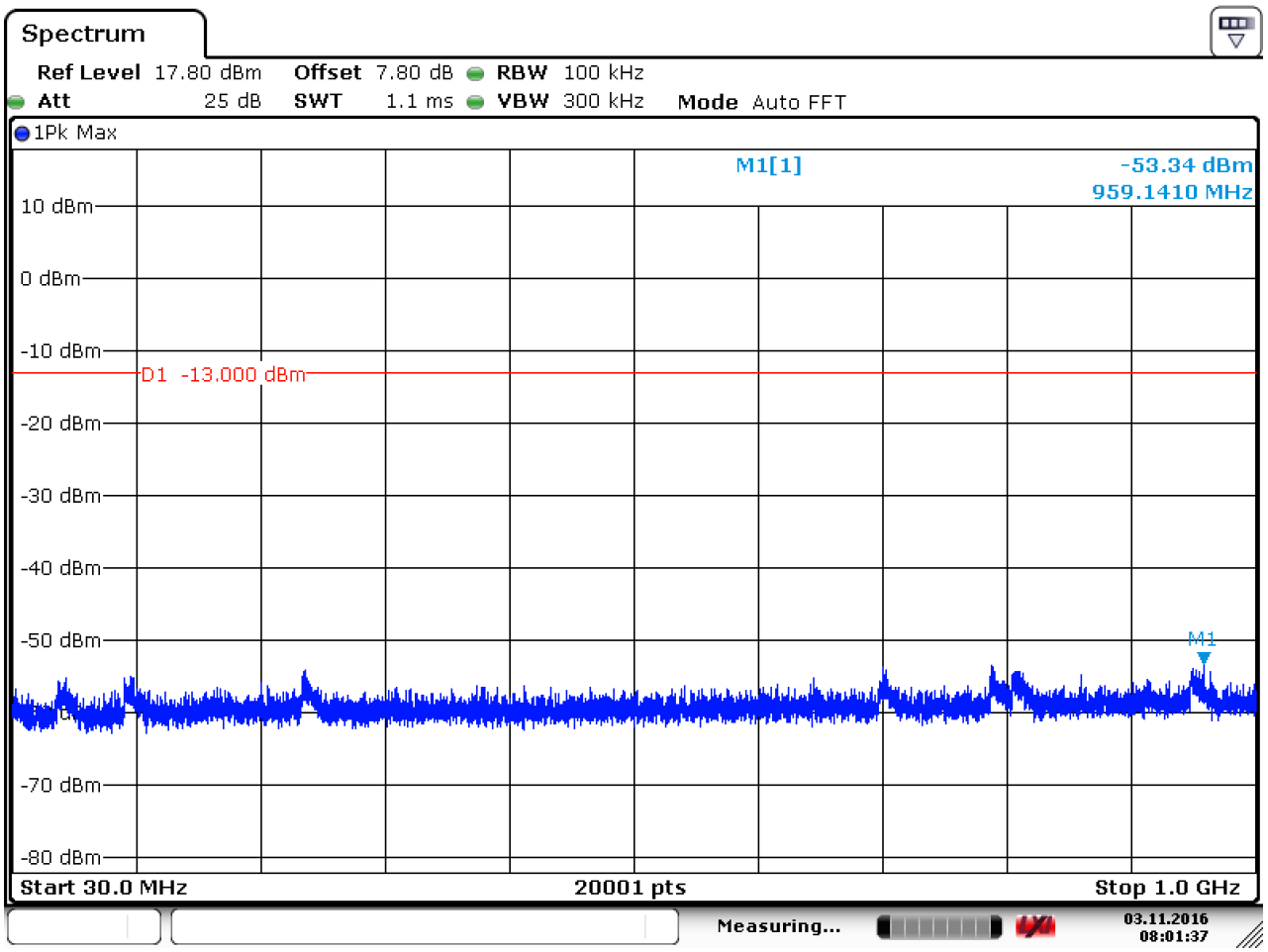


Date: 3.NOV.2016 08:18:44

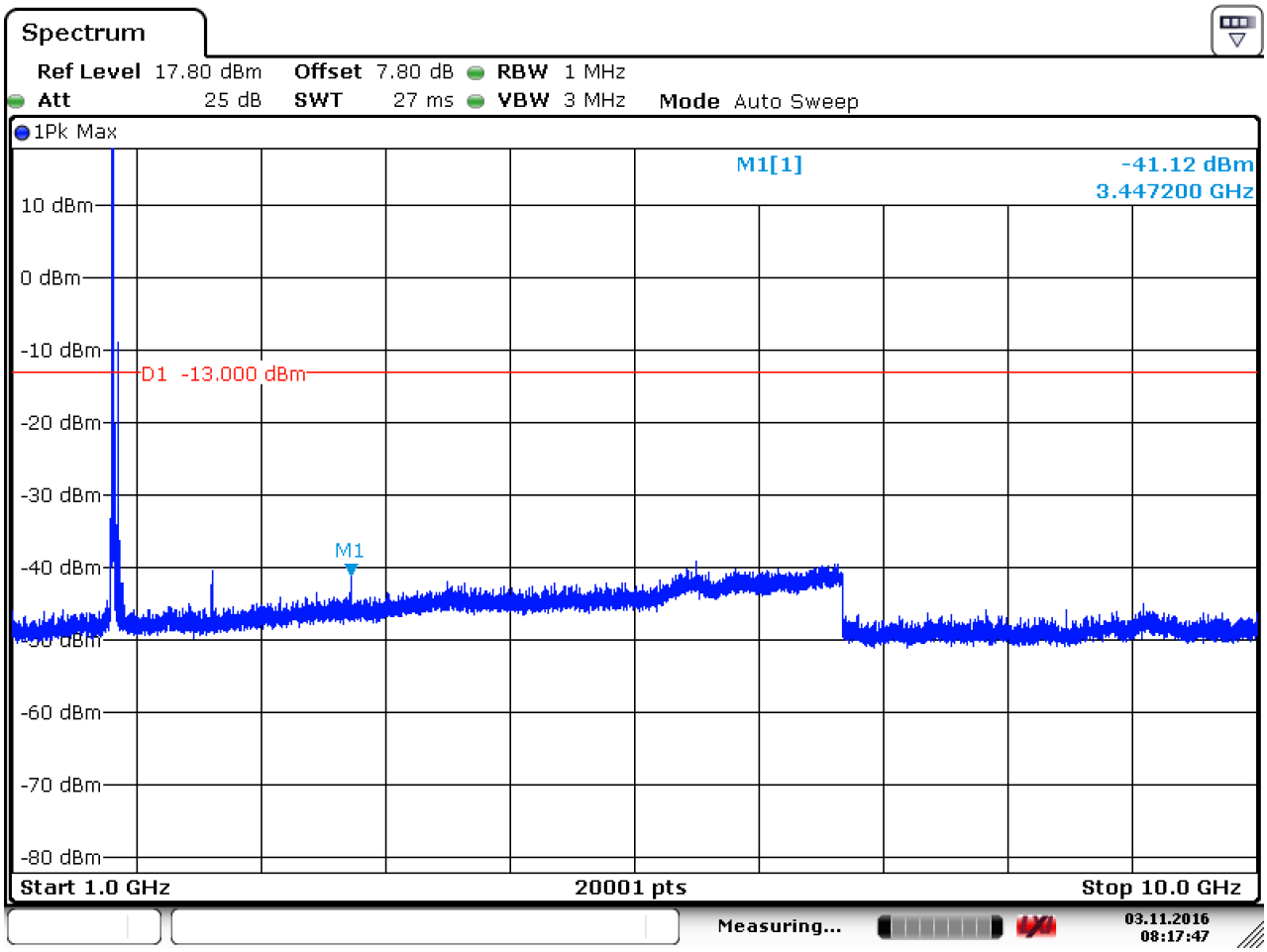


Date: 3.NOV.2016 08:24:53

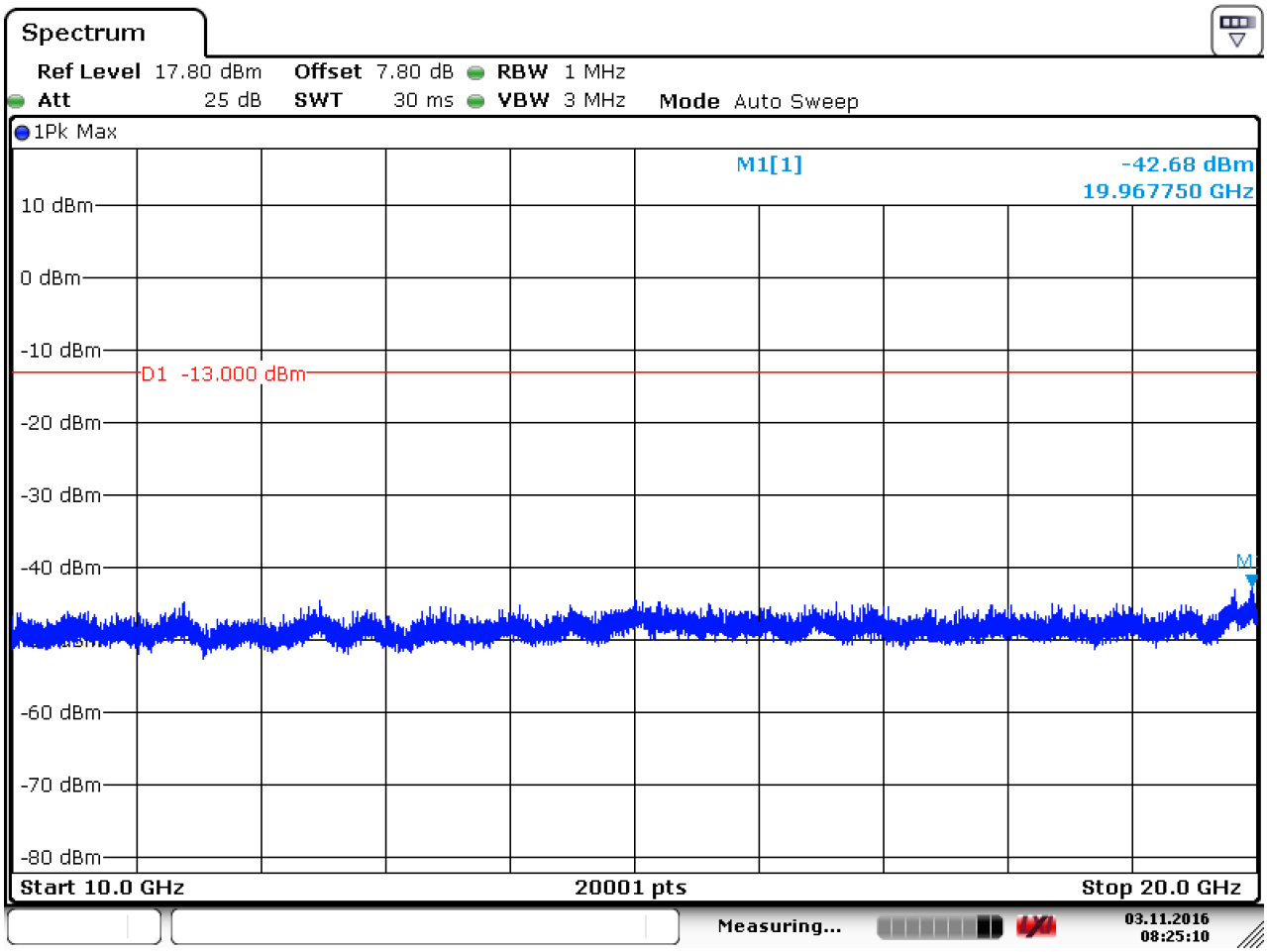
6.1.1.6.2 Test Channel = MCH



Date: 3.NOV.2016 08:01:37

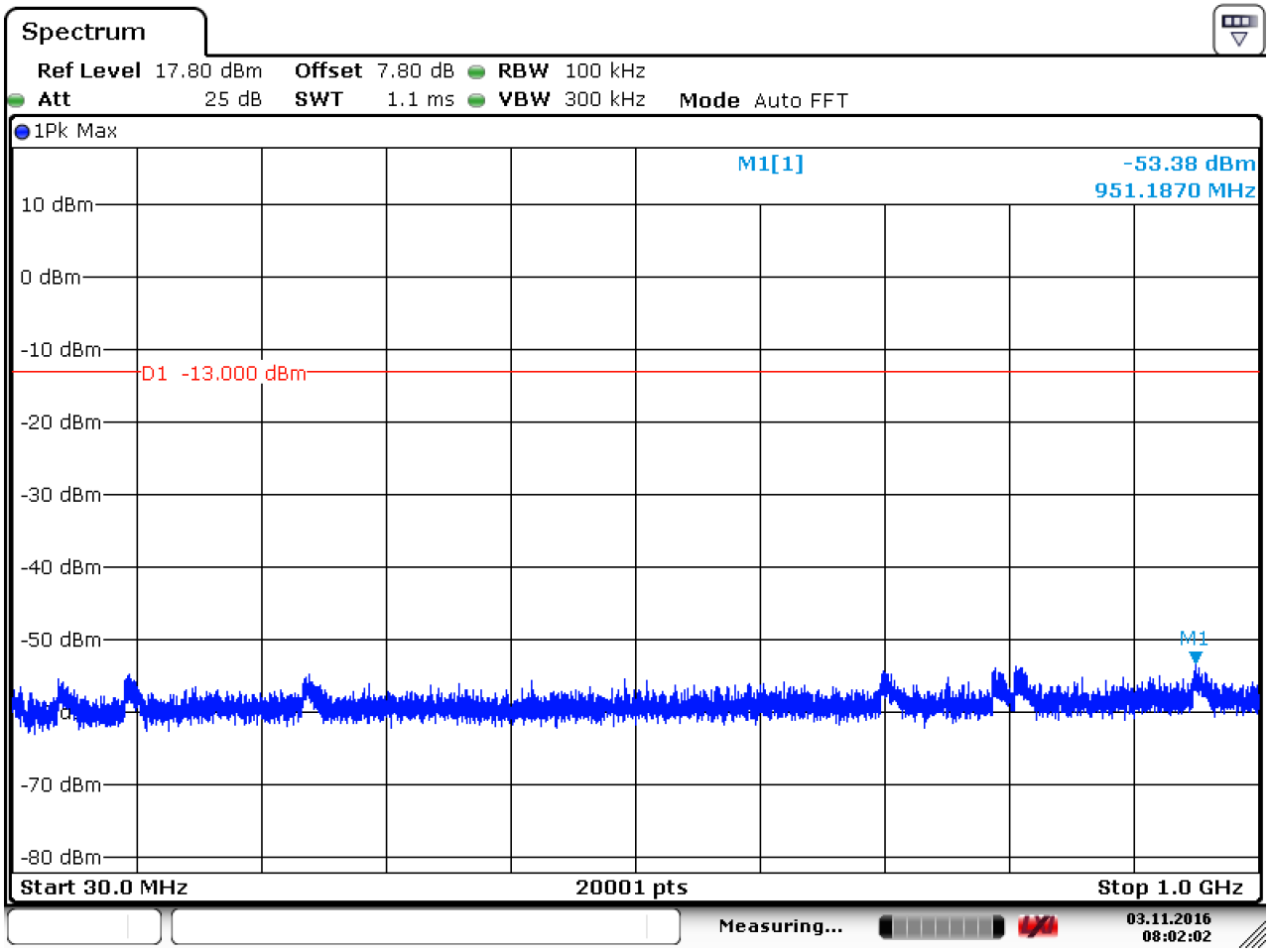


Date: 3.NOV.2016 08:17:48

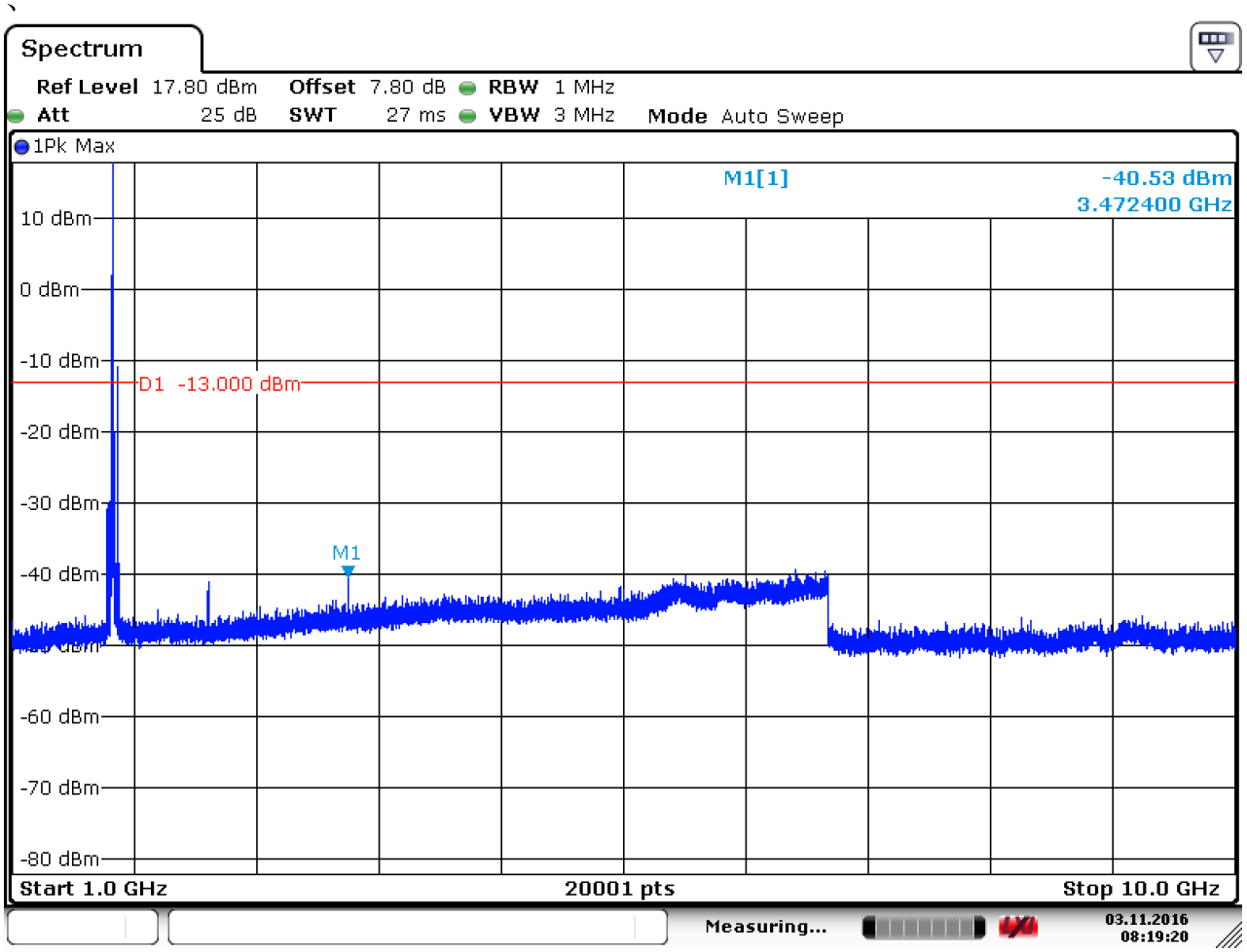


Date: 3.NOV.2016 08:25:10

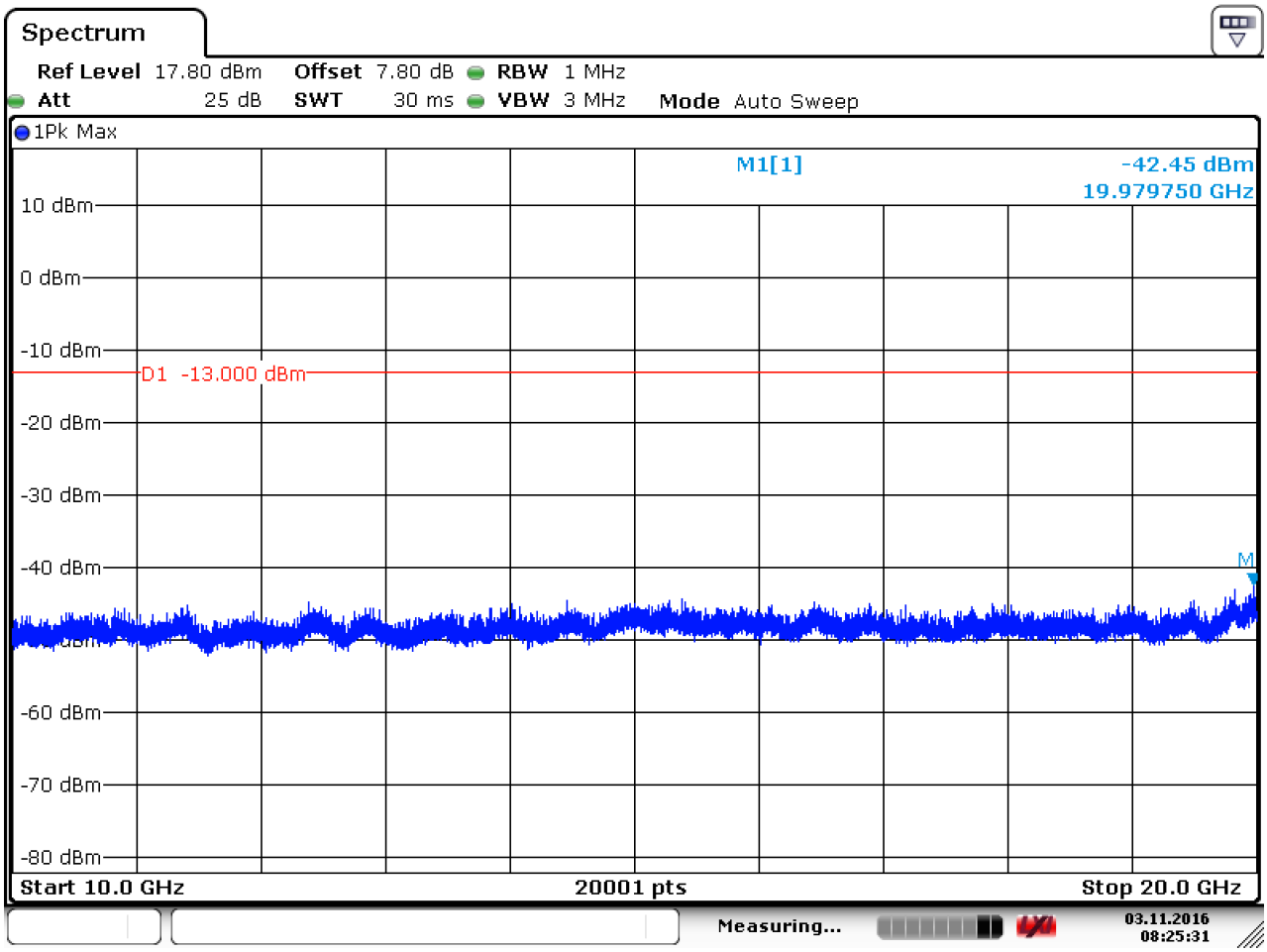
6.1.1.6.3 Test Channel = HCH



Date: 3.NOV.2016 08:02:03



Date: 3.NOV.2016 08:19:21



Date: 3.NOV.2016 08:25:31

7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTEband4

7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
74.200	-91.34	-13.00	-78.34	Vertical
145.600	-89.23	-13.00	-76.23	Vertical
227.400	-93.00	-13.00	-80.00	Vertical
353.400	-87.75	-13.00	-74.75	Vertical
565.500	-86.78	-13.00	-73.78	Vertical
851.5000	-59.17	-13.00	-46.17	Vertical
2744.000	-40.62	-13.00	-27.62	Vertical
3682.500	-67.34	-13.00	-54.34	Vertical
5340.000	-50.63	-13.00	-37.63	Vertical
6570.000	-65.46	-13.00	-52.46	Vertical
7460.000	-64.80	-13.00	-51.80	Vertical
10107.500	-64.57	-13.00	-51.57	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.000	-93.51	-13.00	-80.51	Horizontal
222.600	-92.63	-13.00	-79.63	Horizontal
323.000	-90.14	-13.00	-77.14	Horizontal
456.500	-86.43	-13.00	-73.43	Horizontal
629.500	-84.36	-13.00	-71.36	Horizontal
875.500	-81.23	-13.00	-68.23	Horizontal
1419.000	-50.34	-13.00	-37.34	Horizontal
4072.500	-51.63	-13.00	-38.63	Horizontal
4687.500	-51.10	-13.00	-38.10	Horizontal
7825.000	-63.29	-13.00	-50.29	Horizontal
10517.500	-62.98	-13.00	-49.98	Horizontal
11872.500	-64.11	-13.00	-51.11	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.200	-92.30	-13.00	-79.30	Vertical
147.500	-90.63	-13.00	-77.63	Vertical
282.000	-89.68	-13.00	-76.68	Vertical
427.400	-89.09	-13.00	-76.09	Vertical
587.500	-86.02	-13.00	-73.02	Vertical
785.000	-81.98	-13.00	-68.98	Vertical
1210.000	-49.36	-13.00	-36.36	Vertical
1650.000	-48.28	-13.00	-35.28	Vertical
2392.000	-42.24	-13.00	-29.24	Vertical
7234.000	-65.17	-13.00	-52.17	Vertical
9480.000	-64.12	-13.00	-51.12	Vertical
11872.500	-63.35	-13.00	-50.35	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
72.000	-88.74	-13.00	-75.74	Horizontal
145.600	-91.44	-13.00	-78.44	Horizontal
277.800	-89.43	-13.00	-76.43	Horizontal
442.600	-87.41	-13.00	-74.41	Horizontal
620.500	-84.56	-13.00	-71.56	Horizontal
912.500	-80.82	-13.00	-67.82	Horizontal
1199.000	-50.21	-13.00	-37.21	Horizontal
1584.000	-48.99	-13.00	-35.99	Horizontal
1892.000	-46.09	-13.00	-33.09	Horizontal
3572.500	-64.47	-13.00	-51.47	Horizontal
4727.500	-64.59	-13.00	-51.59	Horizontal
11872.500	-63.65	-13.00	-50.65	Horizontal

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.200	-92.35	-13.00	-79.35	Vertical
182.200	-94.71	-13.00	-81.71	Vertical
284.200	-89.24	-13.00	-76.24	Vertical
372.000	-88.25	-13.00	-75.25	Vertical
654.500	-86.04	-13.00	-73.04	Vertical
794.500	-58.77	-13.00	-45.77	Vertical
1595.000	-49.04	-13.00	-36.04	Vertical
2145.000	-44.25	-13.00	-31.25	Vertical
6315.000	-65.34	-13.00	-52.34	Vertical
7865.000	-64.30	-13.00	-51.30	Vertical
9727.500	-63.42	-13.00	-50.42	Vertical
11677.500	-63.94	-13.00	-50.94	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.200	-93.10	-13.00	-80.10	Horizontal
148.600	-90.37	-13.00	-77.37	Horizontal
282.000	-89.57	-13.00	-76.57	Horizontal
435.800	-87.24	-13.00	-74.24	Horizontal
614.000	-84.78	-13.00	-71.78	Horizontal
791.000	-81.98	-13.00	-68.98	Horizontal
1177.000	-50.71	-13.00	-37.71	Horizontal
1485.000	-49.23	-13.00	-36.23	Horizontal
5145.000	-50.57	-13.00	-37.57	Horizontal
7767.500	-64.55	-13.00	-51.55	Horizontal
9250.000	-64.12	-13.00	-51.12	Horizontal
11677.500	-64.23	-13.00	-51.23	Horizontal

NOTE:

1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band4	LTE/TM1 20MHz	LCH	TN	VL	-1.31	-0.00076	PASS
				VN	-1.30	-0.00076	PASS
				VH	-2.25	-0.00131	PASS
		MCH	TN	VL	-0.34	-0.00020	PASS
				VN	-3.98	-0.00230	PASS
				VH	-4.29	-0.00248	PASS
		HCH	TN	VL	-4.43	-0.00254	PASS
				VN	-7.91	-0.00453	PASS
				VH	-1.44	-0.00083	PASS
	LTE/TM2 20MHz	LCH	TN	VL	0.35	0.00020	PASS
				VN	-1.20	-0.00070	PASS
				VH	0.46	0.00027	PASS
		MCH	TN	VL	4.41	0.00255	PASS
				VN	2.34	0.00135	PASS
				VH	-0.32	-0.00018	PASS
		HCH	TN	VL	4.24	0.00243	PASS
				VN	-0.65	-0.00037	PASS
				VH	-1.12	-0.00064	PASS
	LTE/TM3 20MHz	LCH	TN	VL	1.94	0.00113	PASS
				VN	-3.87	-0.00225	PASS
				VH	-5.98	-0.00348	PASS
		MCH	TN	VL	1.04	0.00060	PASS
				VN	0.23	0.00013	PASS
				VH	-3.48	-0.00201	PASS
		HCH	TN	VL	1.43	0.00082	PASS
				VN	0.45	0.00026	PASS
				VH	-5.36	-0.00307	PASS

8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band4	LTE/TM1 20MHz	LCH	VN	-30	-7.71	-0.00448	PASS
				-20	-3.85	-0.00224	PASS
				-10	-2.50	-0.00145	PASS
				0	-5.48	-0.00319	PASS
				10	-2.09	-0.00122	PASS
				20	-1.89	-0.00110	PASS
				30	-5.35	-0.00311	PASS
				40	-4.29	-0.00249	PASS
				50	-6.44	-0.00374	PASS
		MCH	VN	-30	-2.39	-0.00138	PASS
				-20	4.73	0.00273	PASS
				-10	1.64	0.00095	PASS
				0	0.08	0.00005	PASS
				10	-0.35	-0.00020	PASS
				20	-0.14	-0.00008	PASS
				30	4.23	0.00244	PASS
				40	6.60	0.00381	PASS
				50	-1.60	-0.00092	PASS
		HCH	VN	-30	1.51	0.00087	PASS
				-20	-4.45	-0.00255	PASS
				-10	-7.87	-0.00451	PASS
				0	-5.21	-0.00299	PASS
				10	2.61	0.00150	PASS
				20	-3.23	-0.00185	PASS
				30	3.15	0.00181	PASS
				40	-5.05	-0.00289	PASS
				50	-6.42	-0.00368	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band4	LTE/TM2 20MHz	LCH	VN	-30	-0.40	-0.00023	PASS
				-20	-1.34	-0.00078	PASS
				-10	2.38	0.00138	PASS
				0	1.75	0.00102	PASS
				10	1.65	0.00096	PASS
				20	0.11	0.00006	PASS
				30	-0.31	-0.00018	PASS
				40	-0.14	-0.00008	PASS
				50	0.59	0.00034	PASS
		MCH	VN	-30	-7.80	-0.00450	PASS
				-20	-5.95	-0.00343	PASS
				-10	-7.49	-0.00432	PASS
				0	-5.62	-0.00324	PASS
				10	-4.04	-0.00233	PASS
				20	-9.94	-0.00574	PASS
				30	-5.66	-0.00327	PASS
				40	-4.62	-0.00267	PASS
				50	-6.92	-0.00399	PASS
		HCH	VN	-30	0.54	0.00031	PASS
				-20	-1.49	-0.00085	PASS
				-10	1.53	0.00088	PASS
				0	-2.83	-0.00162	PASS
				10	2.60	0.00149	PASS
				20	-0.57	-0.00033	PASS
				30	-2.66	-0.00152	PASS
				40	-5.43	-0.00311	PASS
				50	-8.90	-0.00510	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band4	LTE/TM3 20MHz	LCH	VN	-30	-6.31	-0.00367	PASS
				-20	-6.61	-0.00384	PASS
				-10	-7.91	-0.00460	PASS
				0	-7.36	-0.00428	PASS
				10	-7.21	-0.00419	PASS
				20	-4.14	-0.00241	PASS
				30	-7.39	-0.00430	PASS
				40	-2.95	-0.00172	PASS
				50	-5.22	-0.00303	PASS
		MCH	VN	-30	-1.36	-0.00078	PASS
				-20	2.31	0.00133	PASS
				-10	1.76	0.00102	PASS
				0	1.70	0.00098	PASS
				10	0.13	0.00008	PASS
				20	-2.37	-0.00137	PASS
				30	-1.21	-0.00070	PASS
				40	0.60	0.00035	PASS
				50	-7.56	-0.00436	PASS
		HCH	VN	-30	-8.18	-0.00469	PASS
				-20	-3.07	-0.00176	PASS
				-10	-3.37	-0.00193	PASS
				0	-0.67	-0.00038	PASS
				10	-2.83	-0.00162	PASS
				20	-2.37	-0.00136	PASS
				30	-1.15	-0.00066	PASS
				40	-4.16	-0.00238	PASS
				50	-7.39	-0.00423	PASS

The End