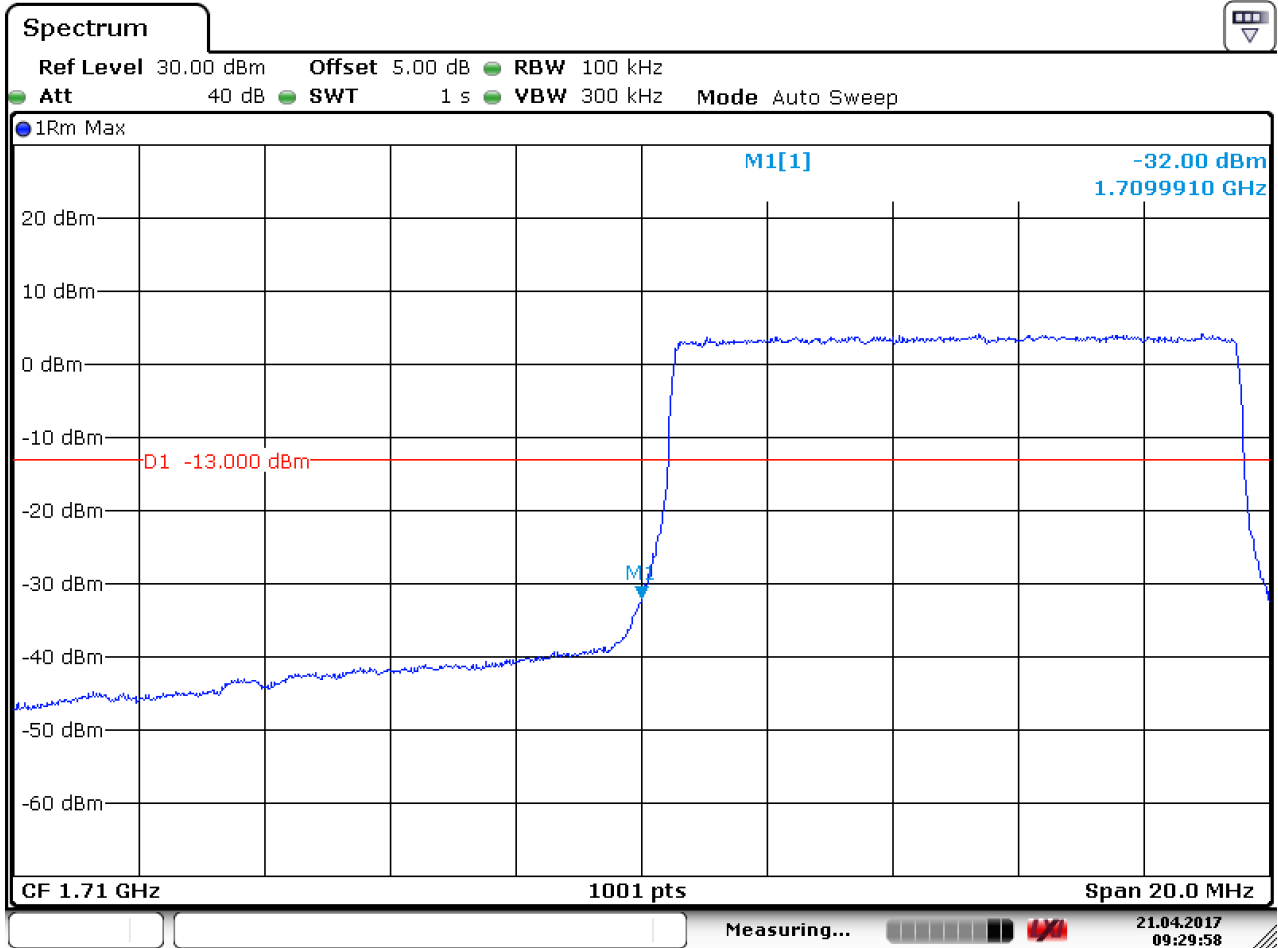


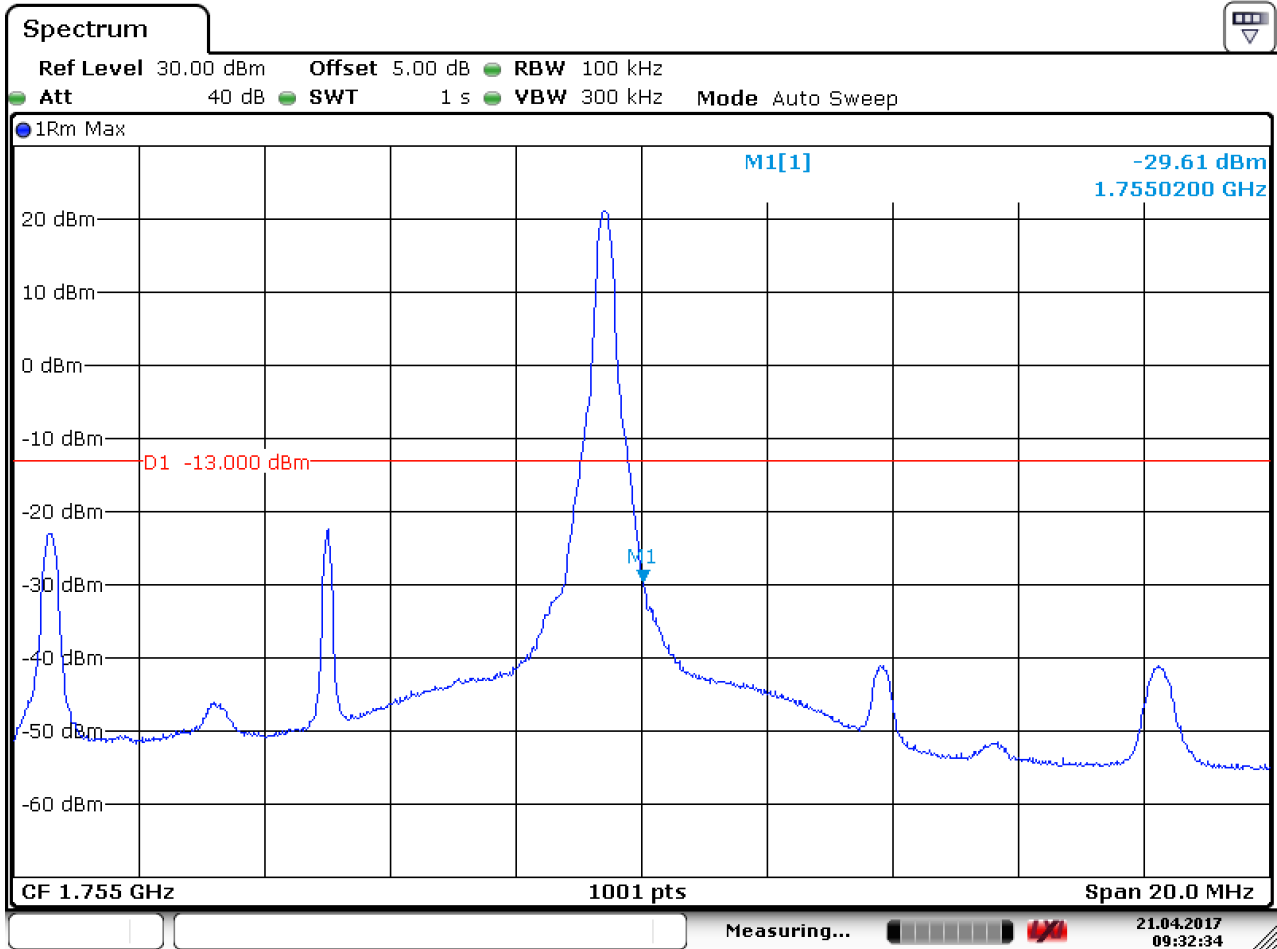
5.1.1.7.1.2 Test RB=50RB



Date: 21.APR.2017 09:29:58

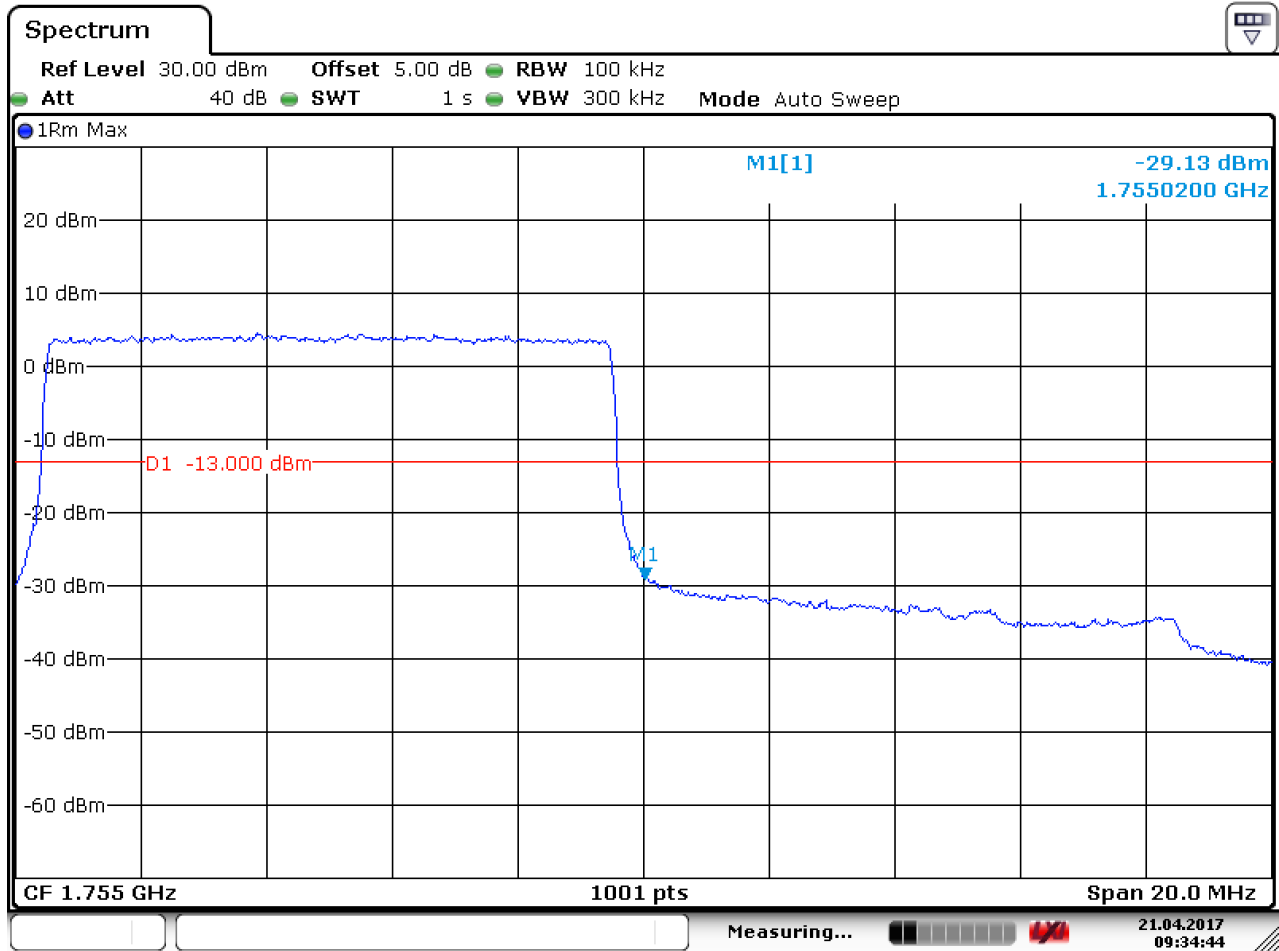
5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



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5.1.1.7.2.2 Test RB=50RB

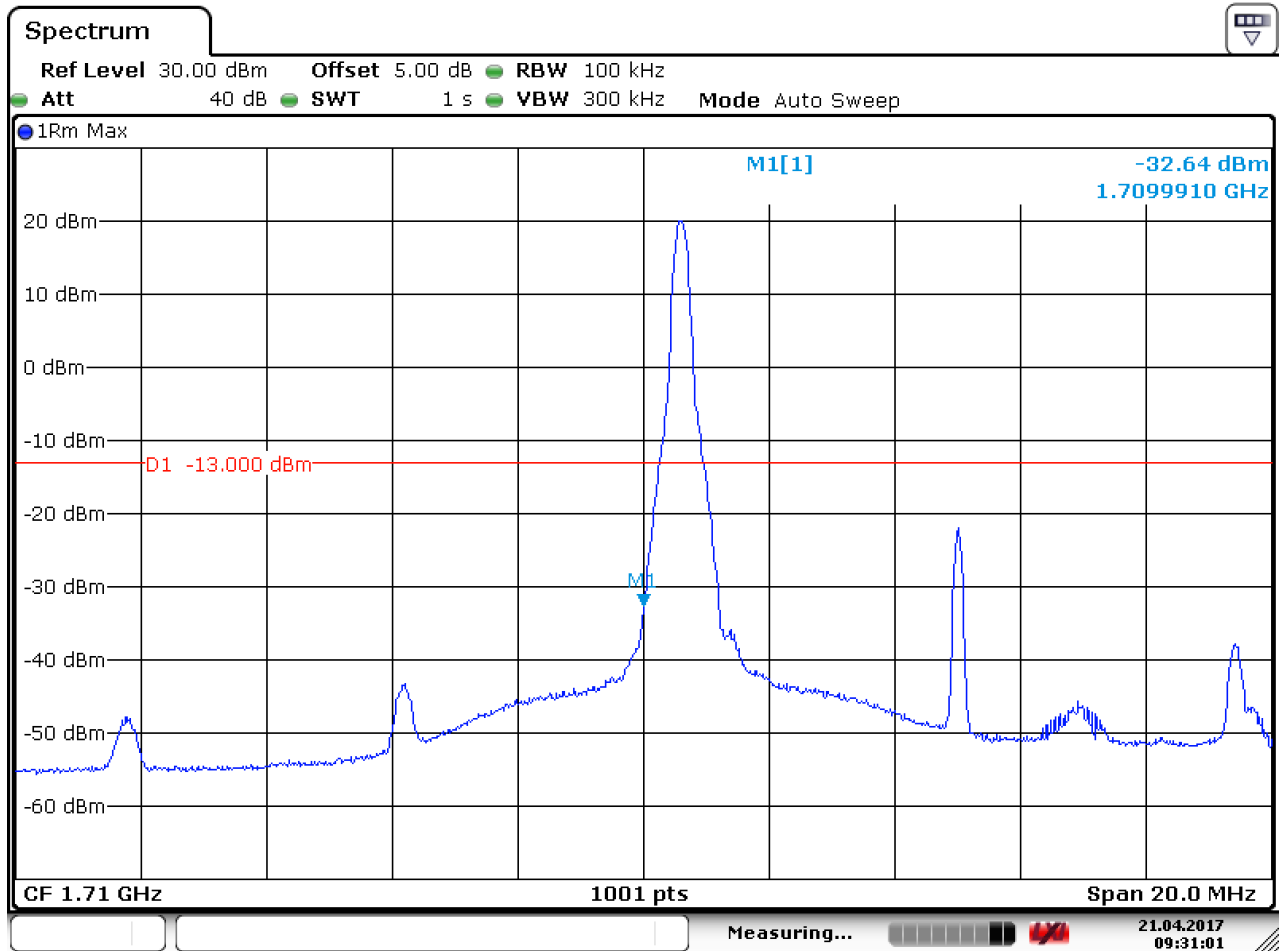


Date: 21.APR.2017 09:34:45



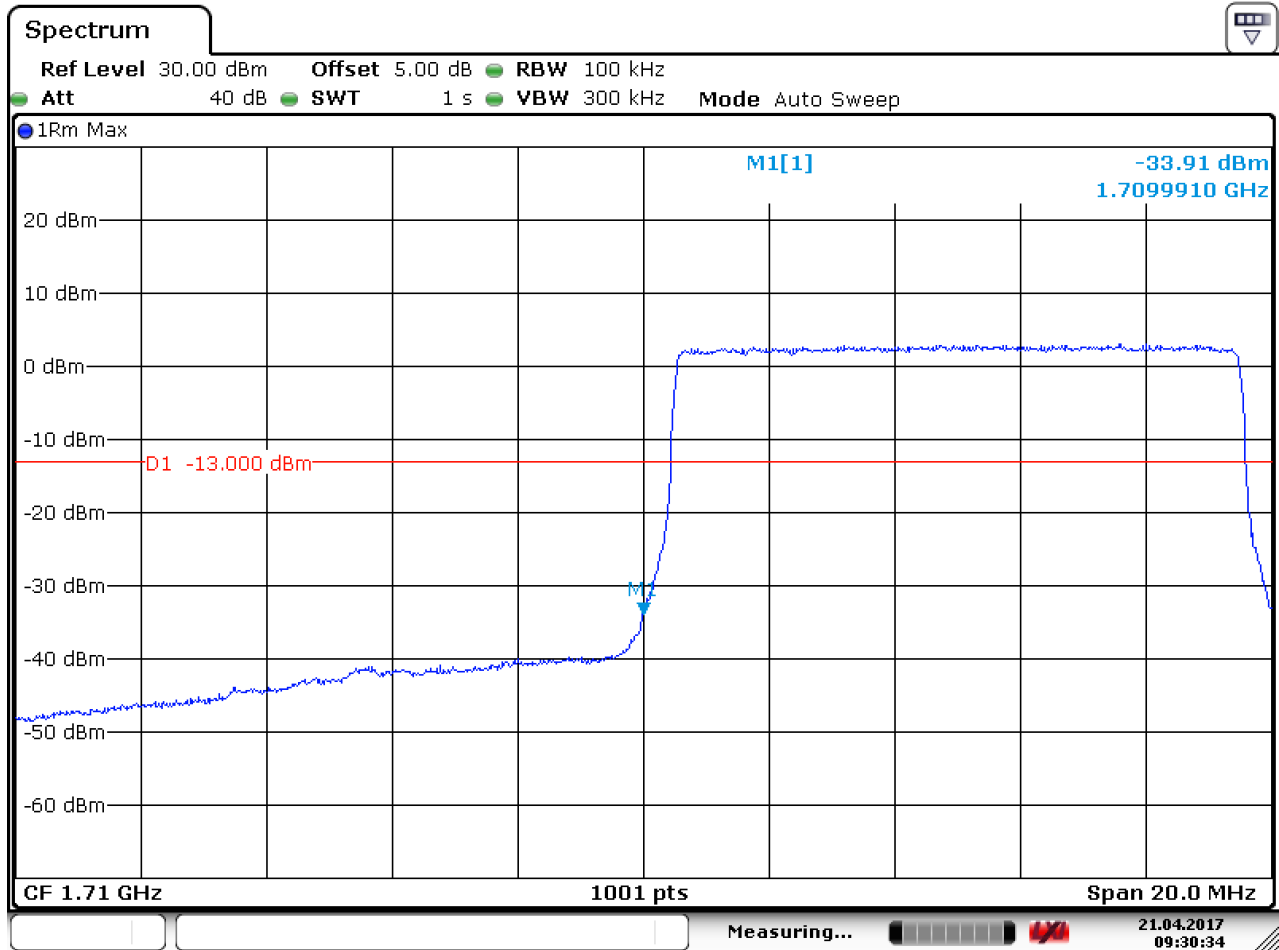
5.1.1.8 Test Mode = LTE/TM2 10MHz
5.1.1.8.1 Test Channel = LCH

5.1.1.8.1.1 Test RB=1RB



Date: 21.APR.2017 09:31:02

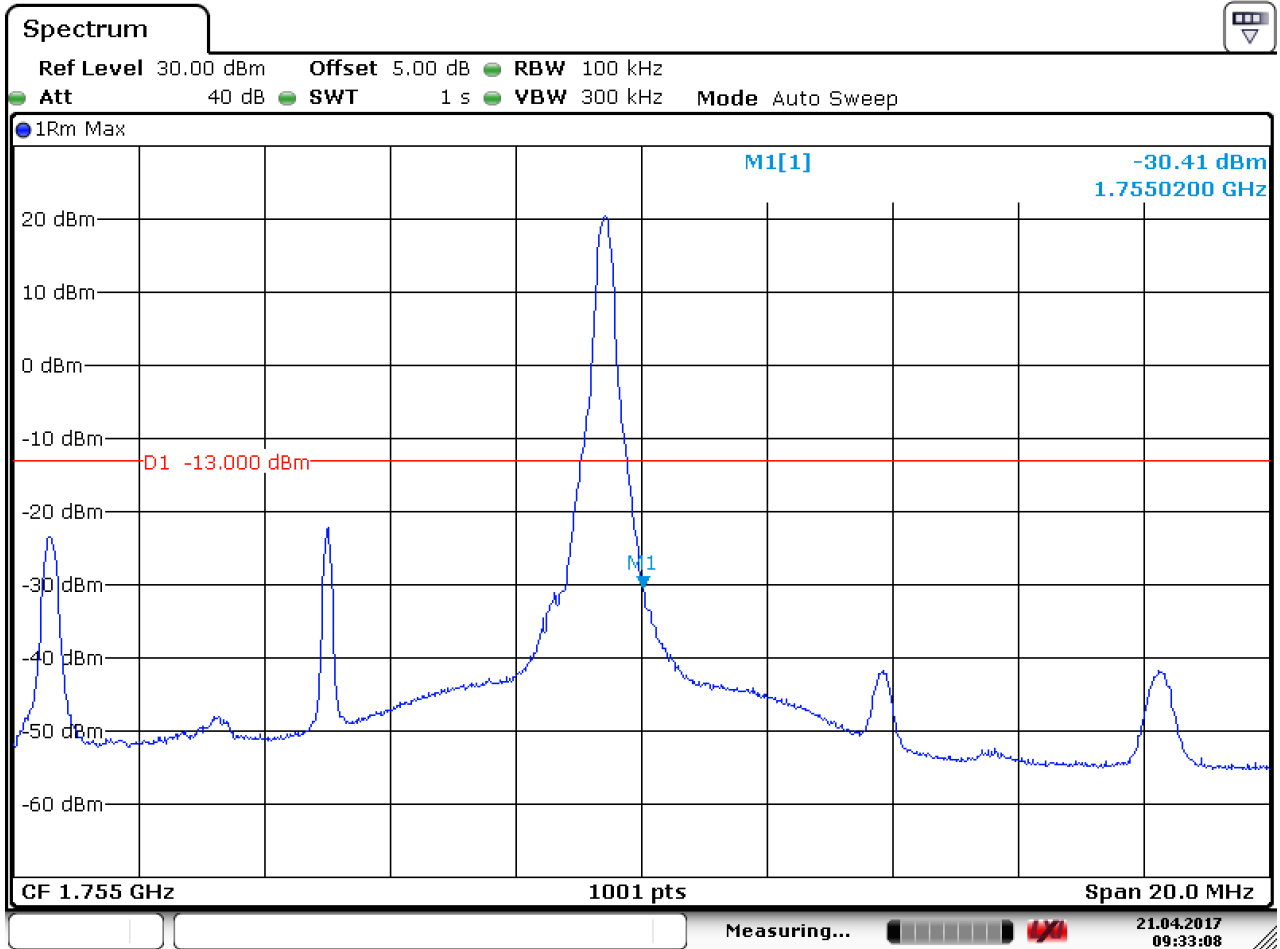
5.1.1.8.1.2 Test RB=50RB



Date: 21.APR.2017 09:30:34

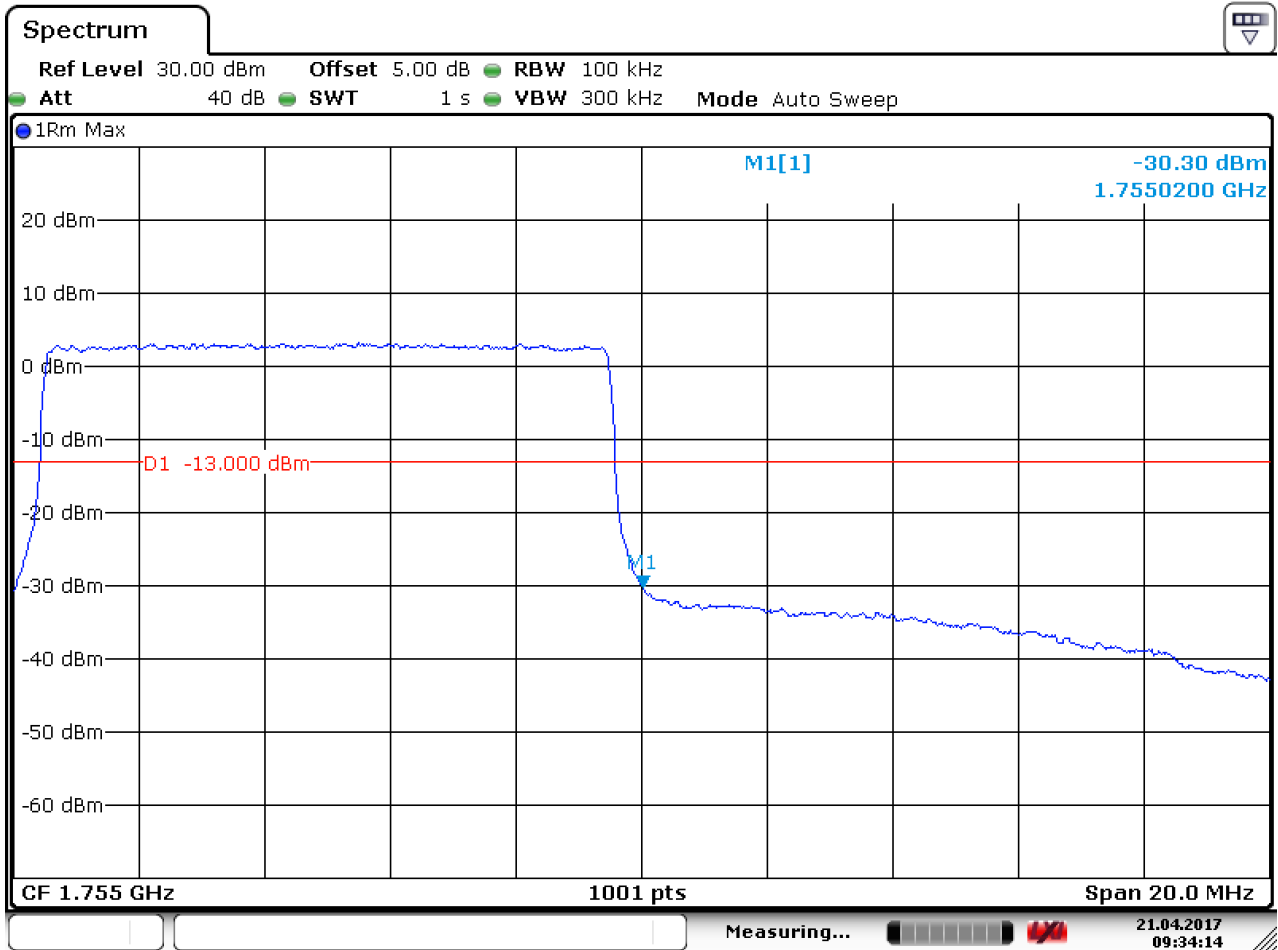
5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



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5.1.1.8.2.2 Test RB=50RB

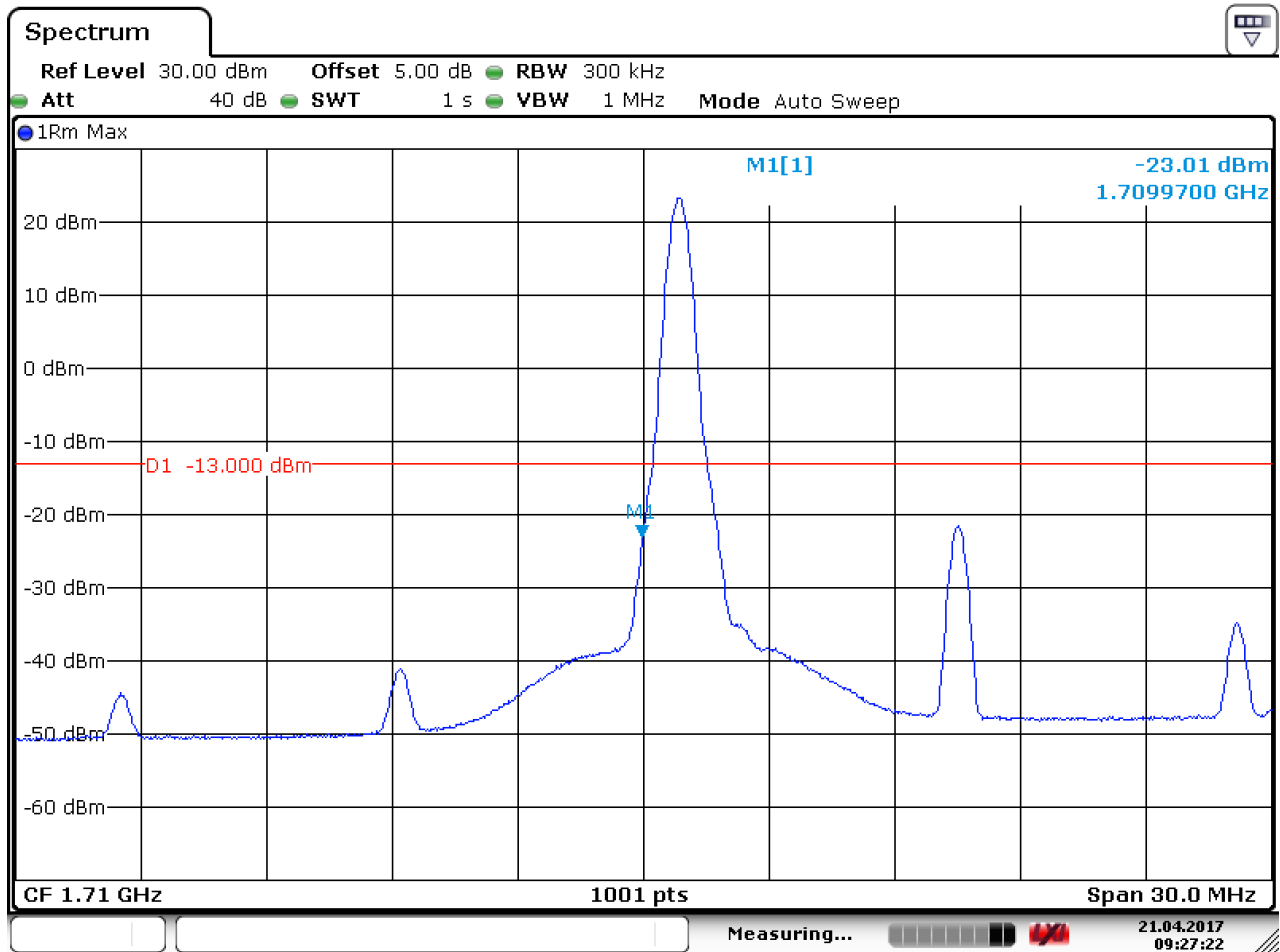


Date: 21.APR.2017 09:34:14



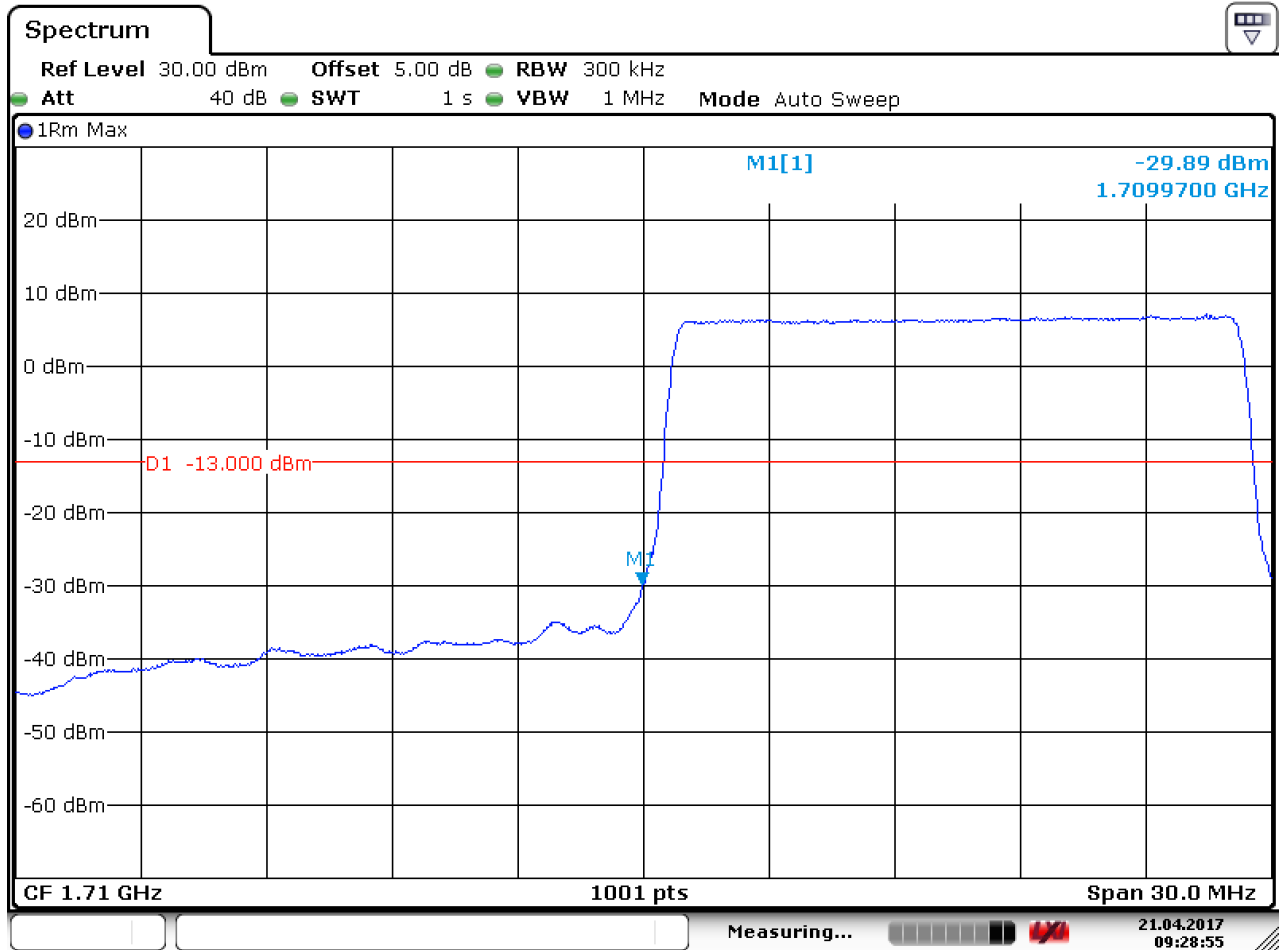
5.1.1.9 Test Mode = LTE/TM1 15MHz
5.1.1.9.1 Test Channel = LCH

5.1.1.9.1.1 Test RB=1RB



Date: 21.APR.2017 09:27:22

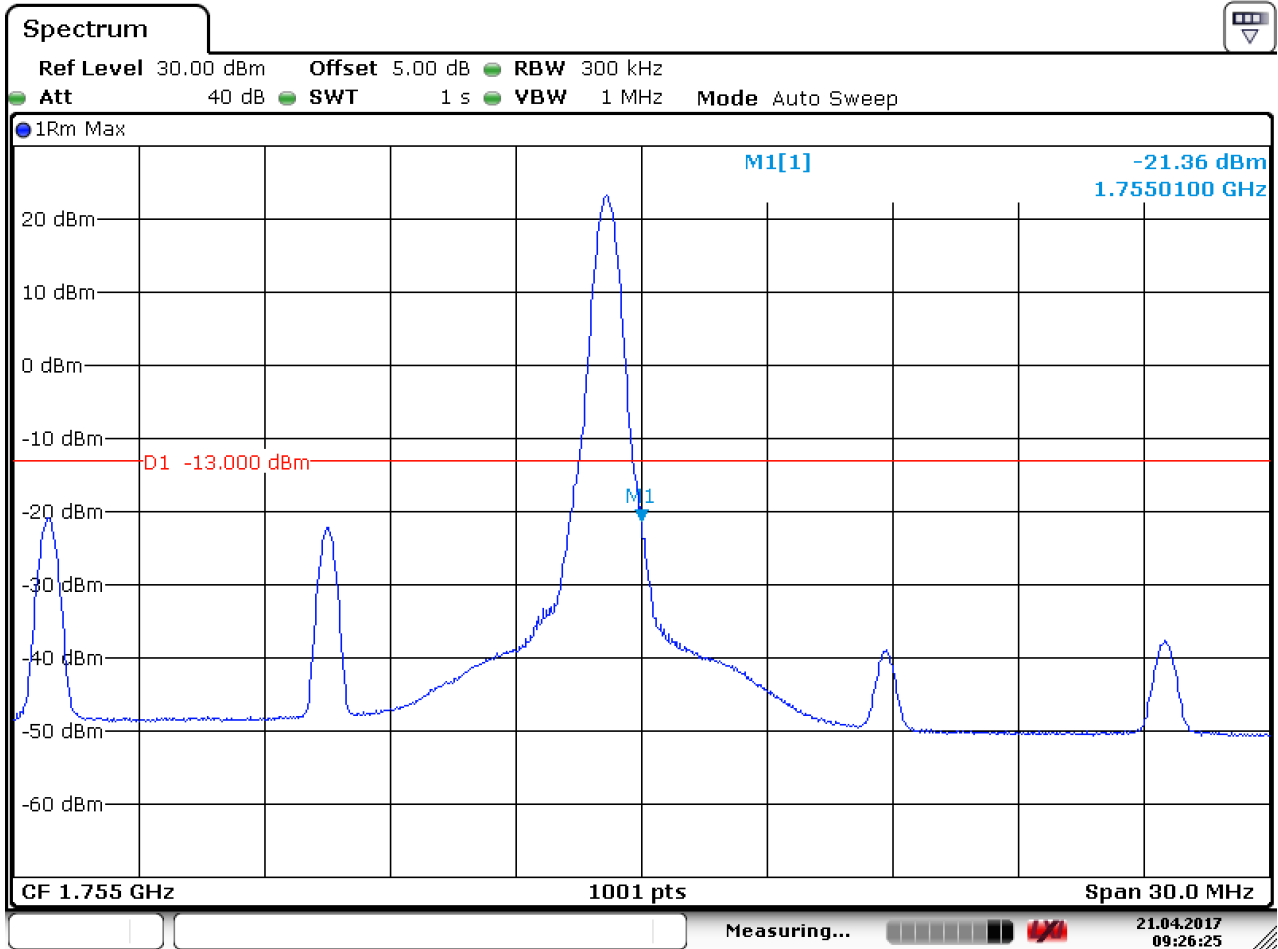
5.1.1.9.1.2 Test RB=75RB



Date: 21.APR.2017 09:28:56

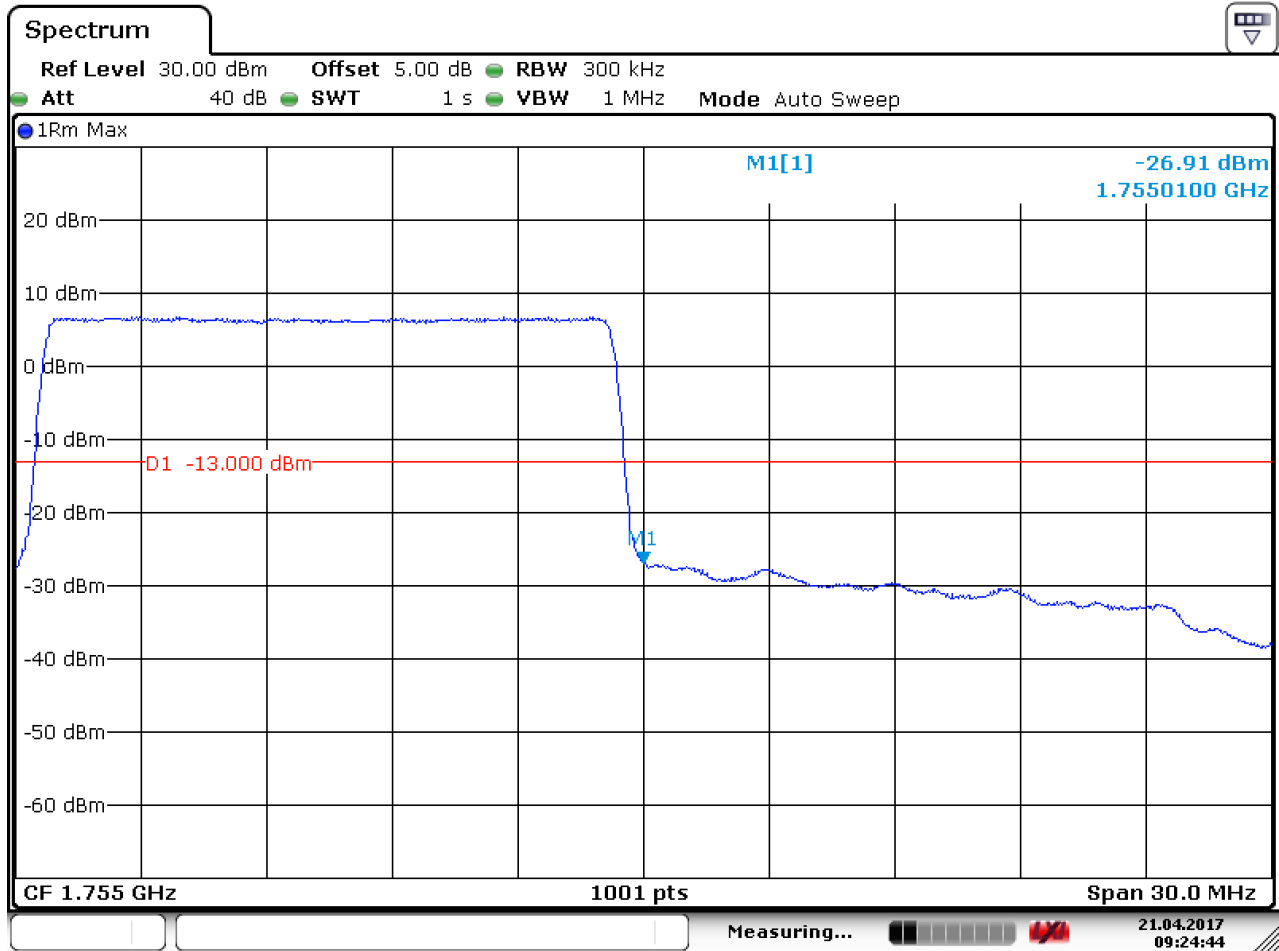
5.1.1.9.2 Test Channel = HCH

5.1.1.9.2.1 Test RB=1RB



Date: 21.APR.2017 09:26:26

5.1.1.9.2.2 Test RB=75RB



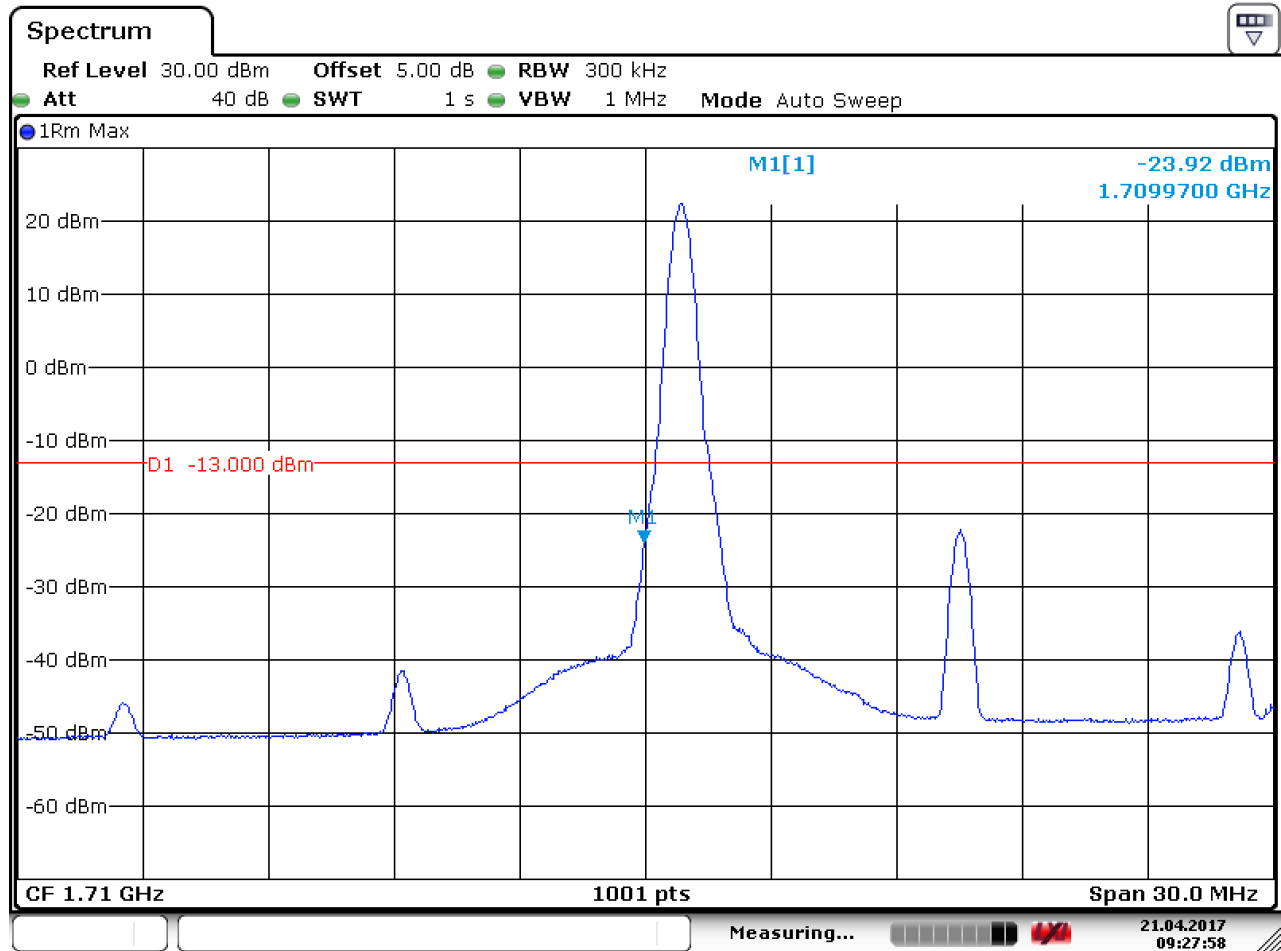
Date: 21.APR.2017 09:24:44



5.1.1.10 Test Mode = LTE/TM2 15MHz

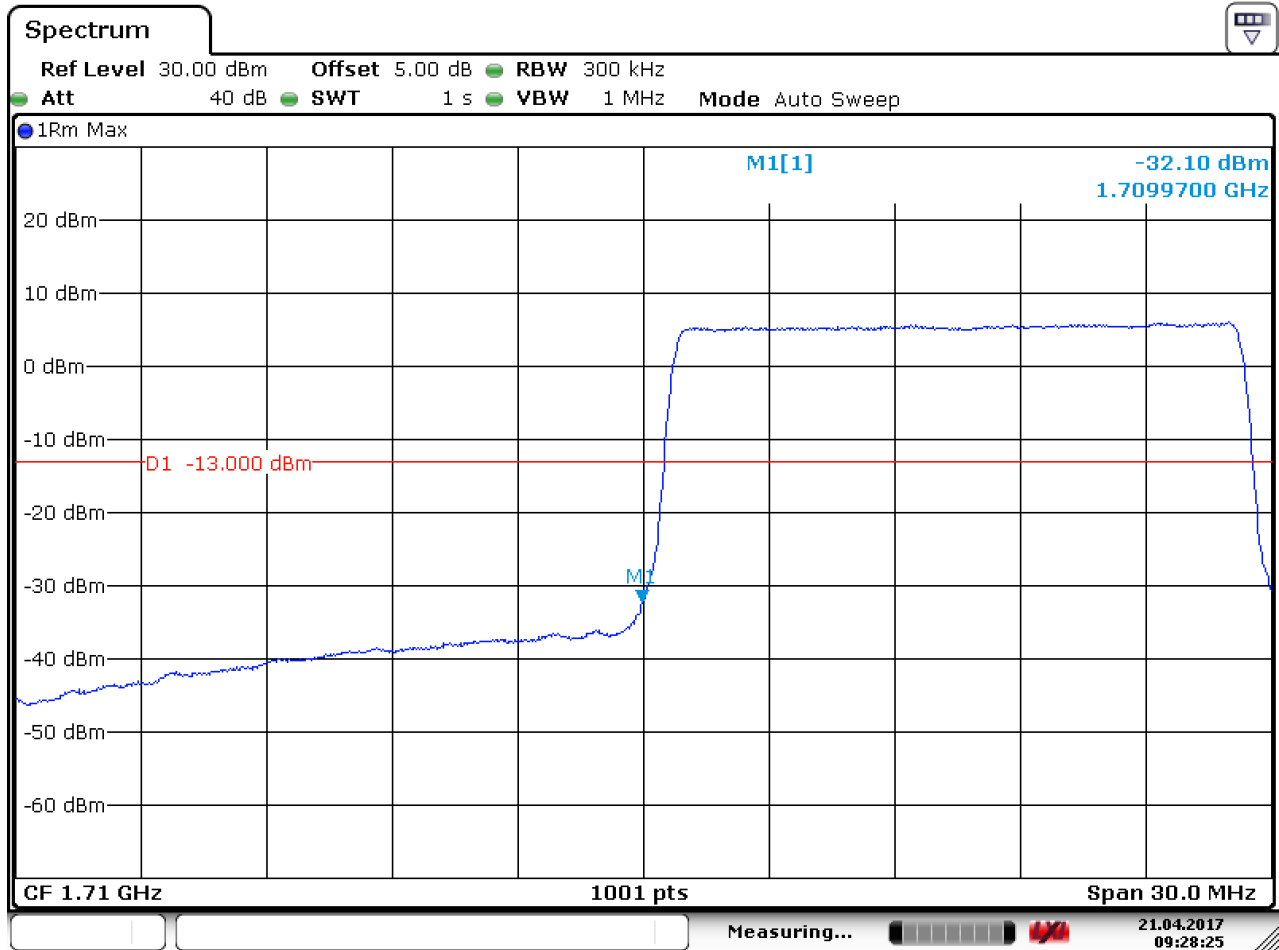
5.1.1.10.1 Test Channel = LCH

5.1.1.10.1.1 Test RB=1RB



Date: 21.APR.2017 09:27:59

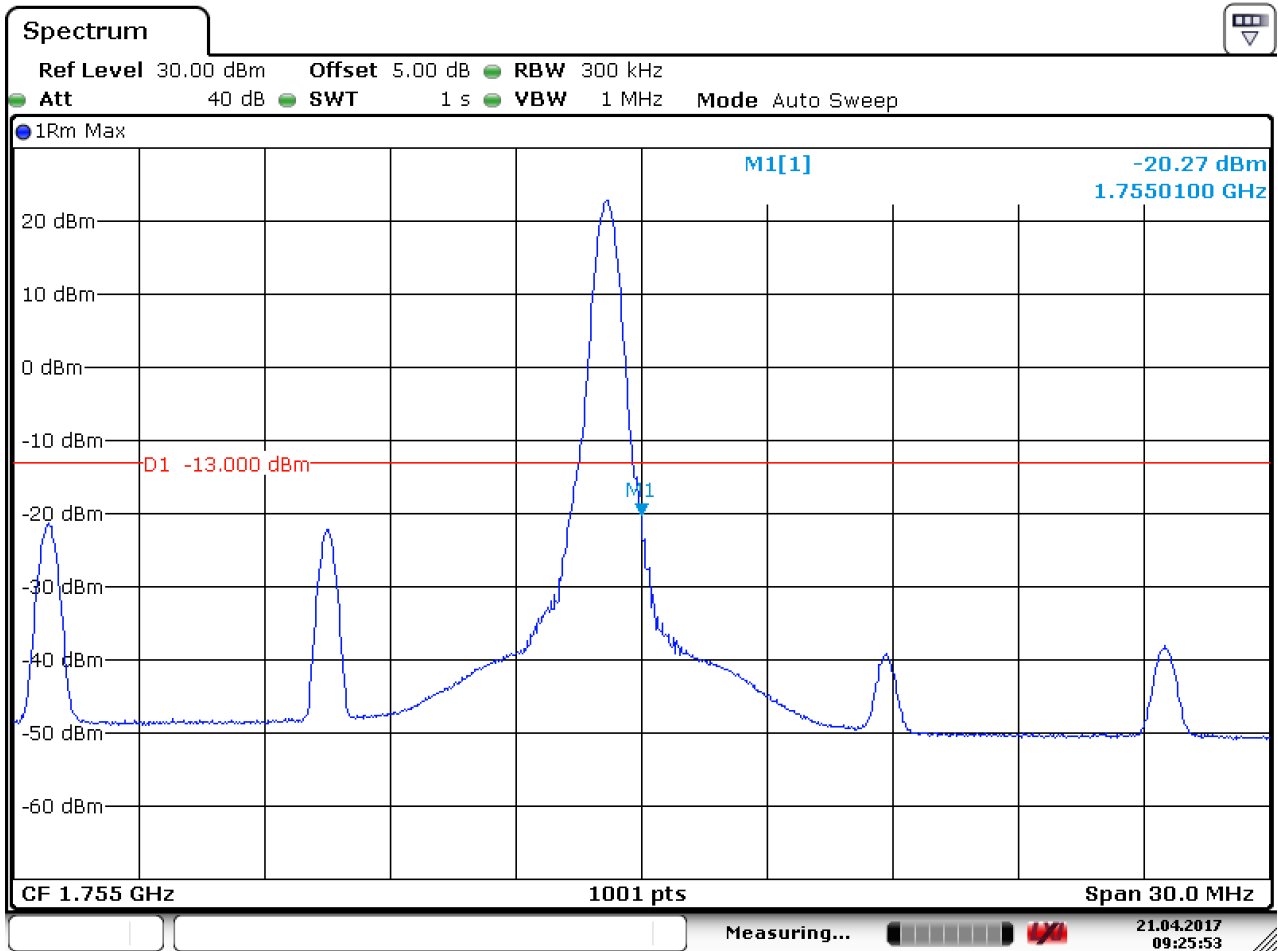
5.1.1.10.1.2 Test RB=75RB



Date: 21.APR.2017 09:28:25

5.1.1.10.2 Test Channel = HCH

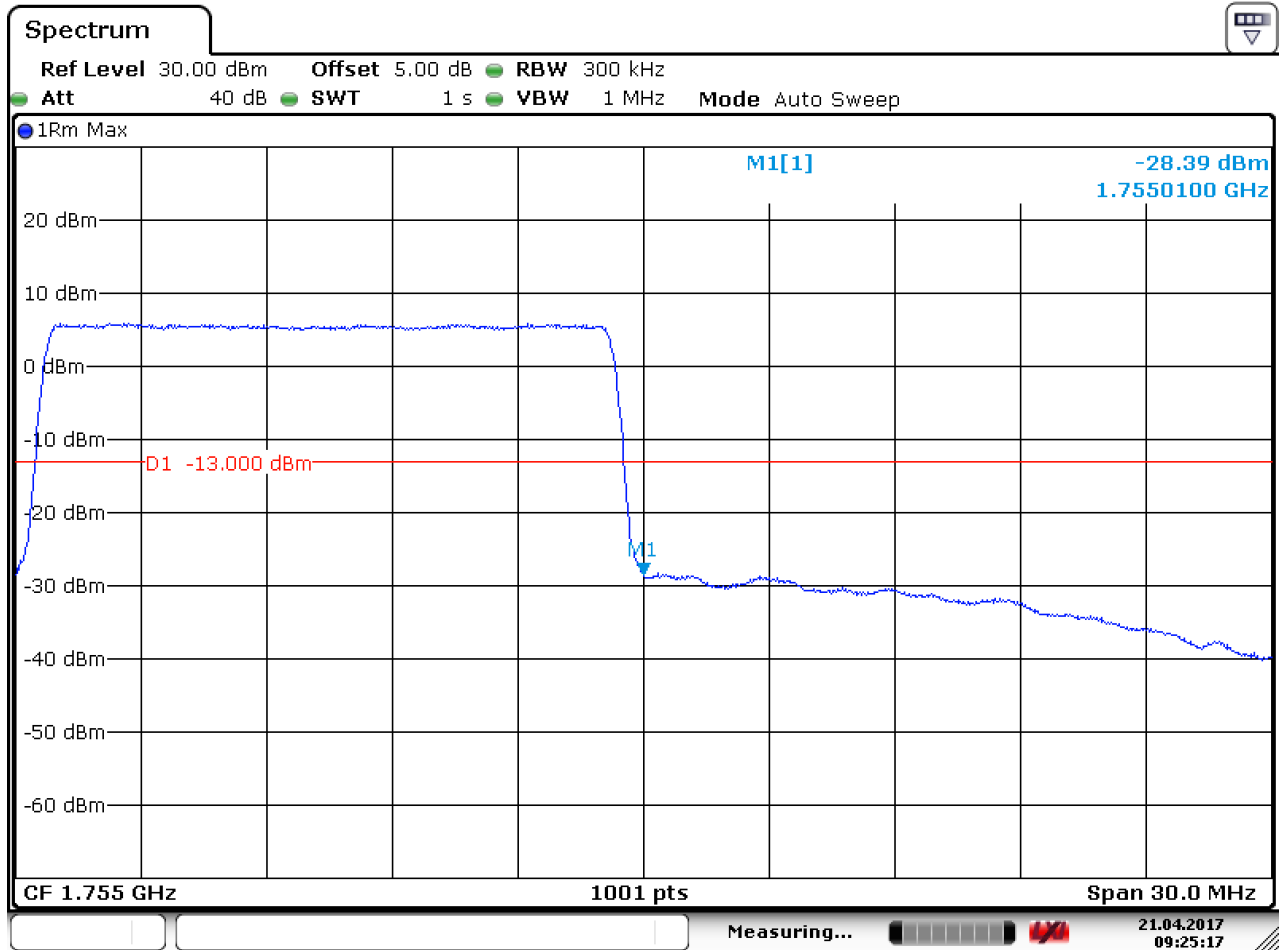
5.1.1.10.2.1 Test RB=1RB



Date: 21.APR.2017 09:25:53



5.1.1.10.2.2 Test RB=75RB



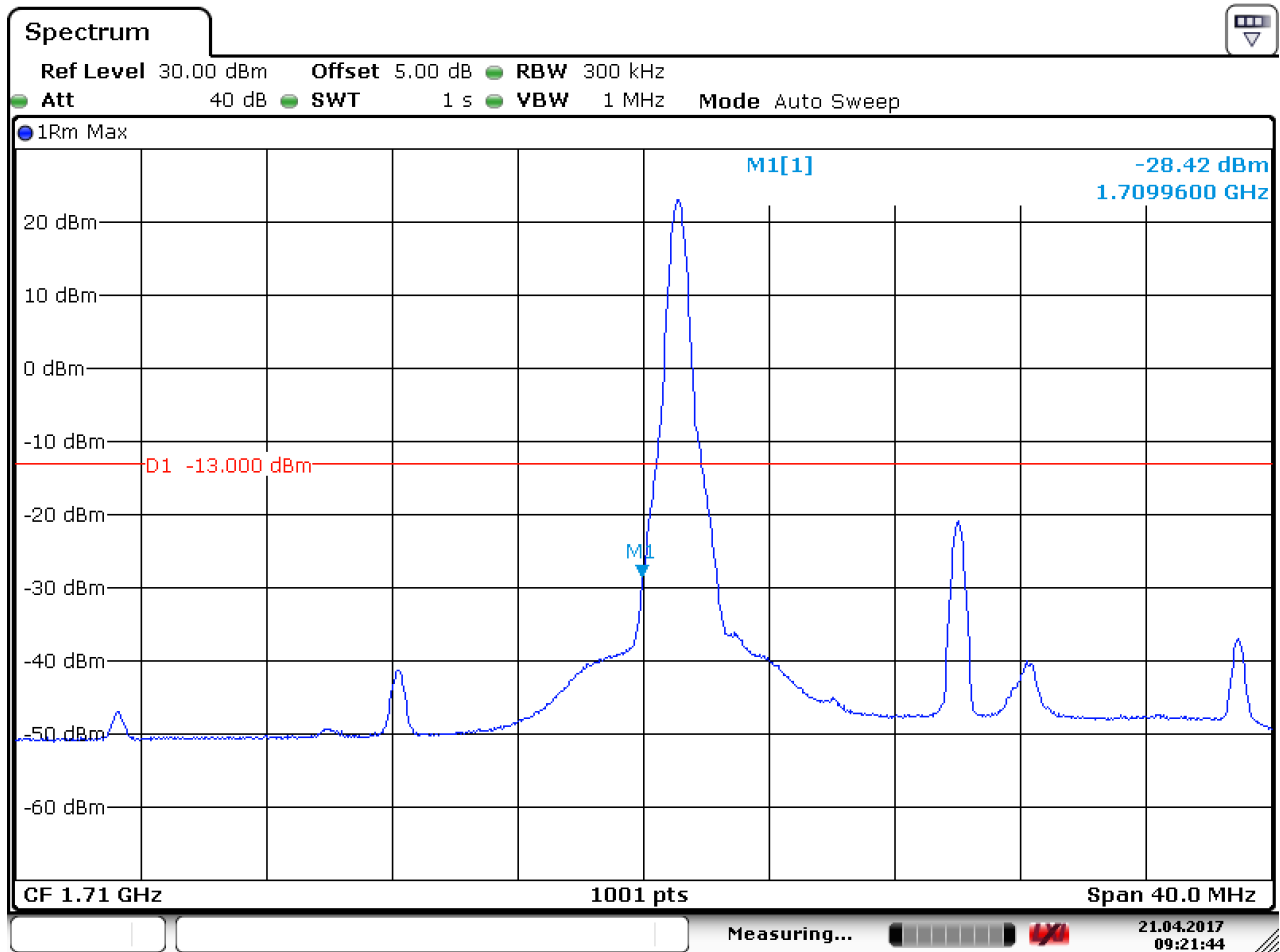
Date: 21.APR.2017 09:25:18



5.1.1.11 Test Mode = LTE/TM1 20MHz

5.1.1.11.1 Test Channel = LCH

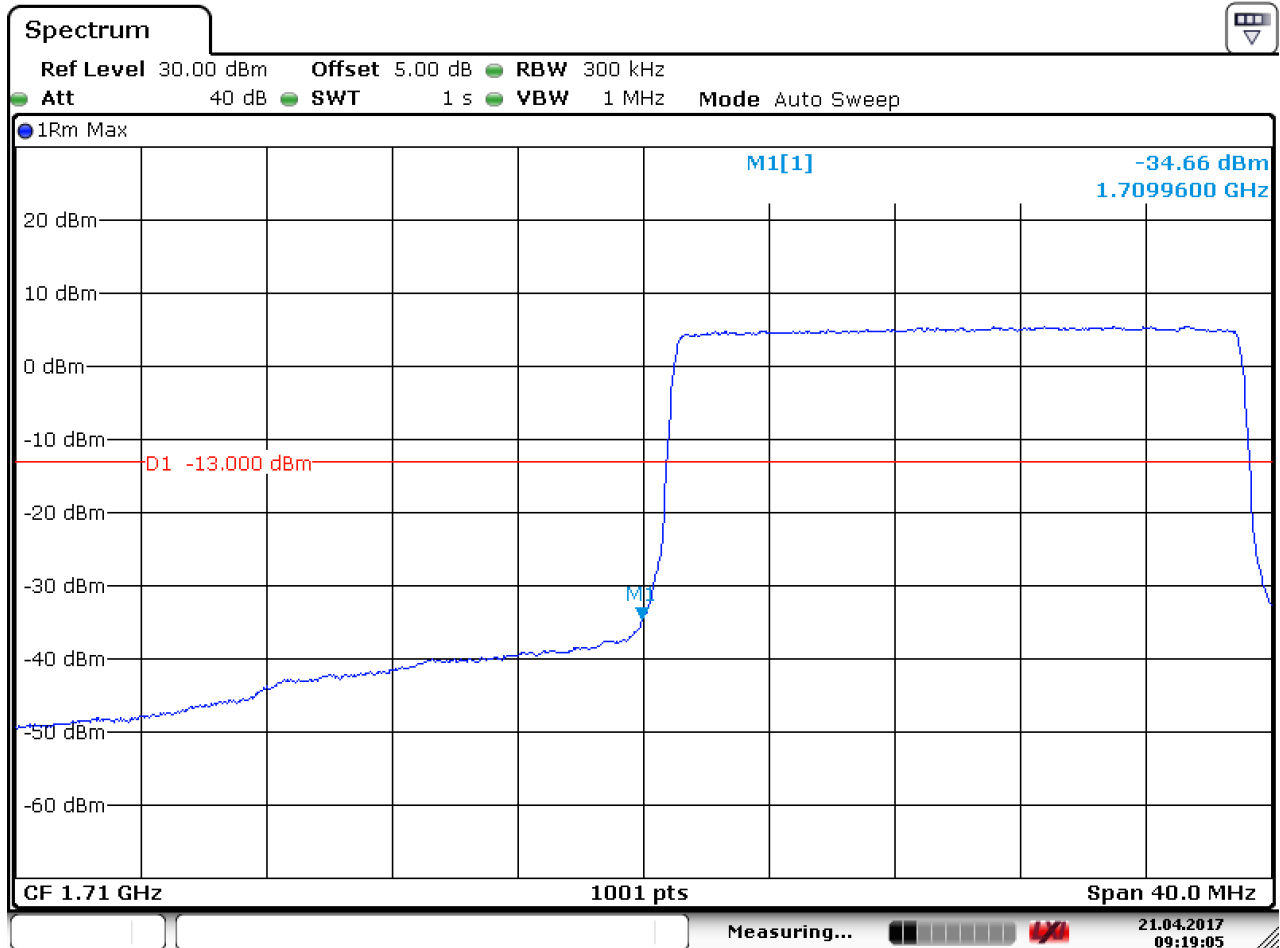
5.1.1.11.1.1 Test RB=1RB



Date: 21.APR.2017 09:21:45



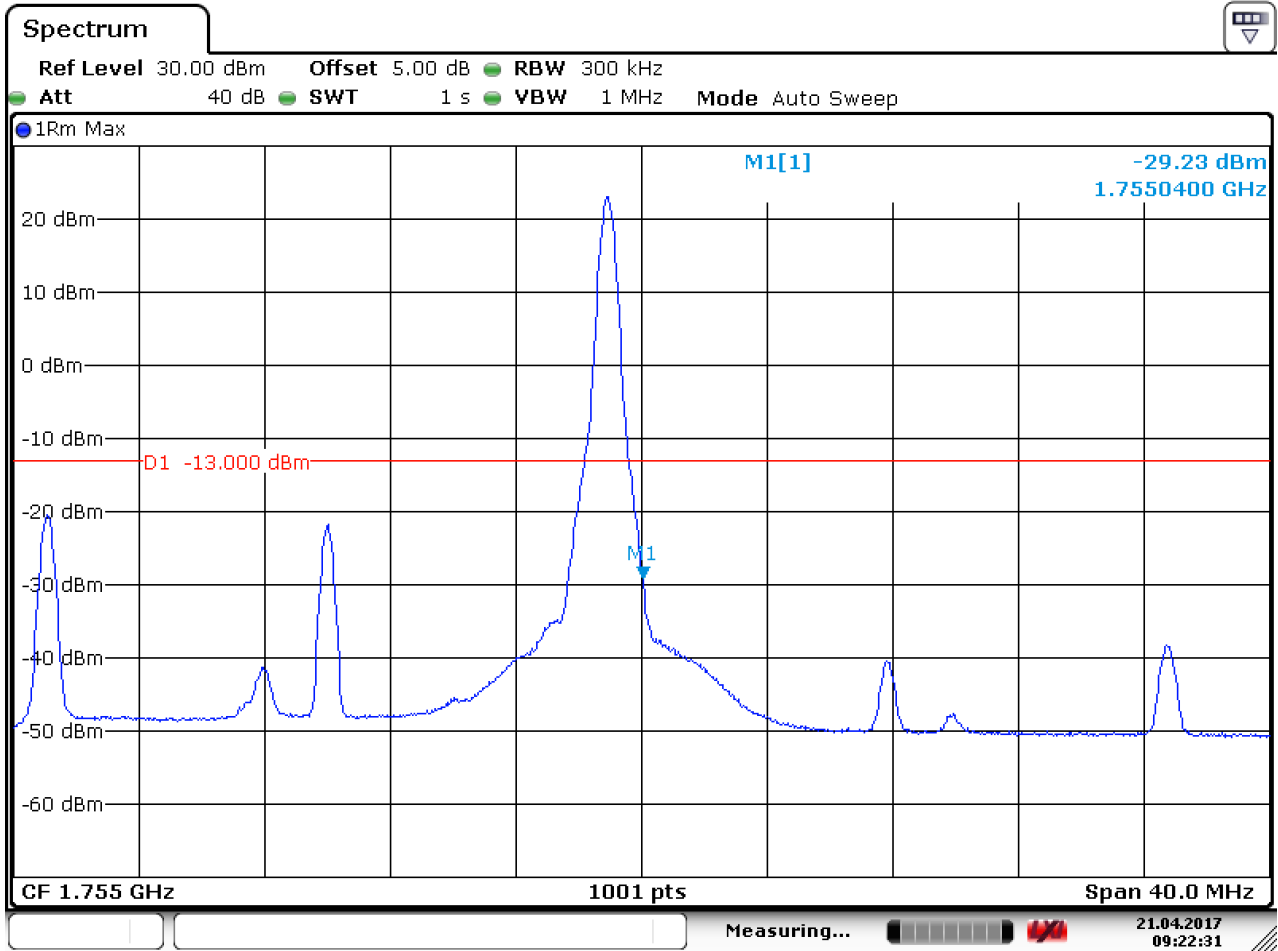
5.1.1.11.1.2 Test RB=100RB



Date: 21.APR.2017 09:19:05

5.1.1.11.2 Test Channel = HCH

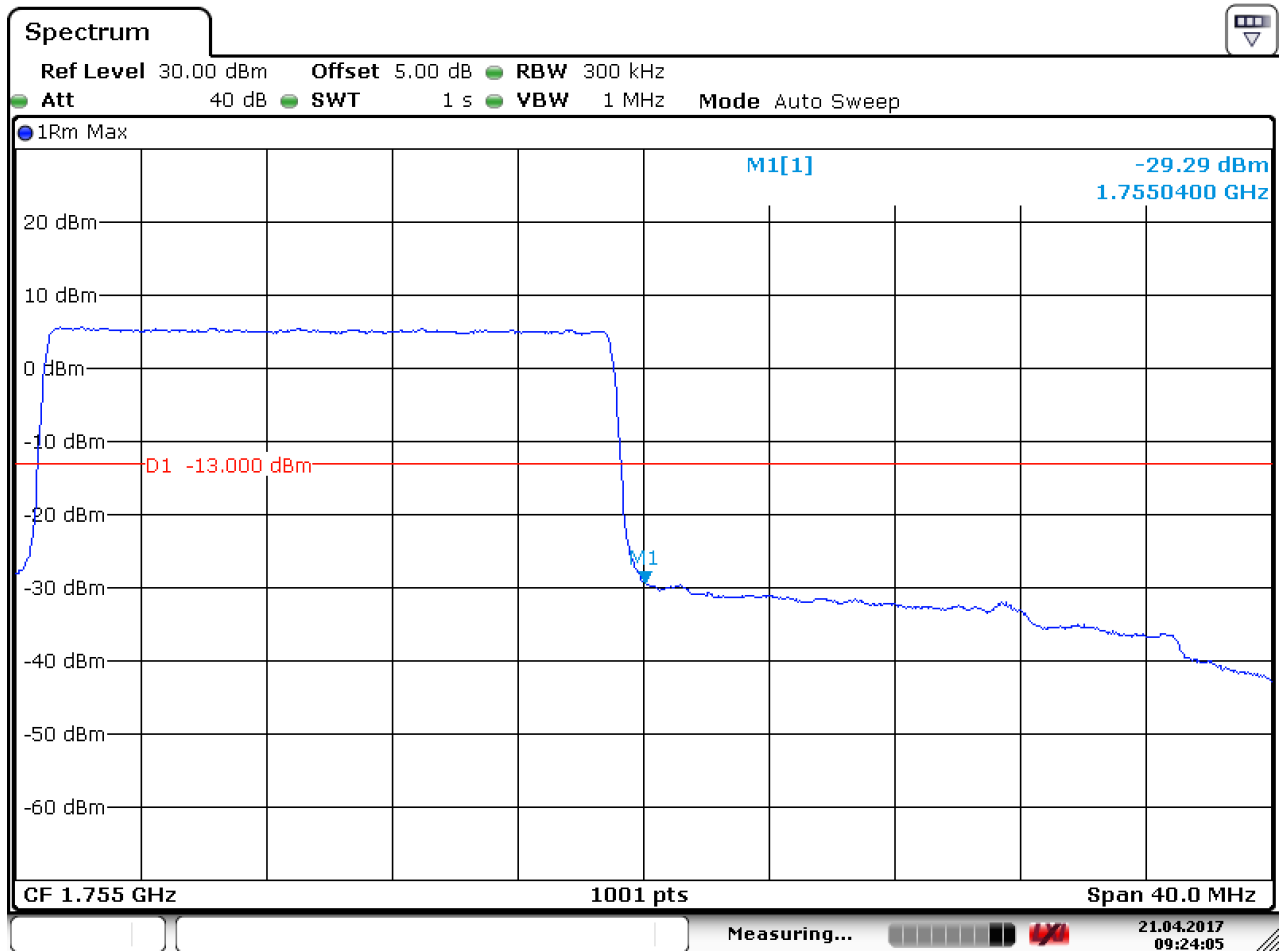
5.1.1.11.2.1 Test RB=1RB



Date: 21.APR.2017 09:22:31



5.1.1.11.2.2 Test RB=100RB

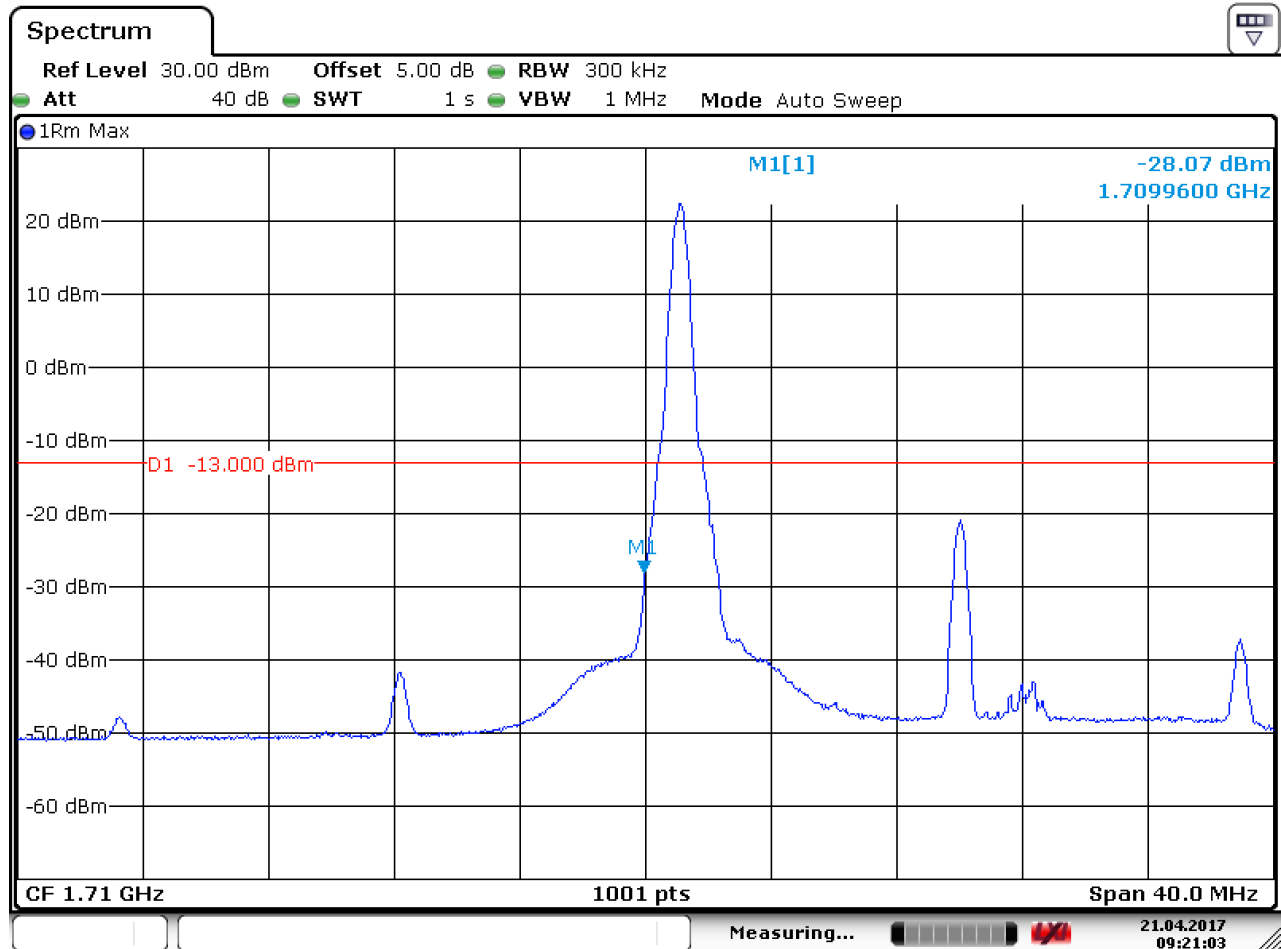


Date: 21.APR.2017 09:24:06



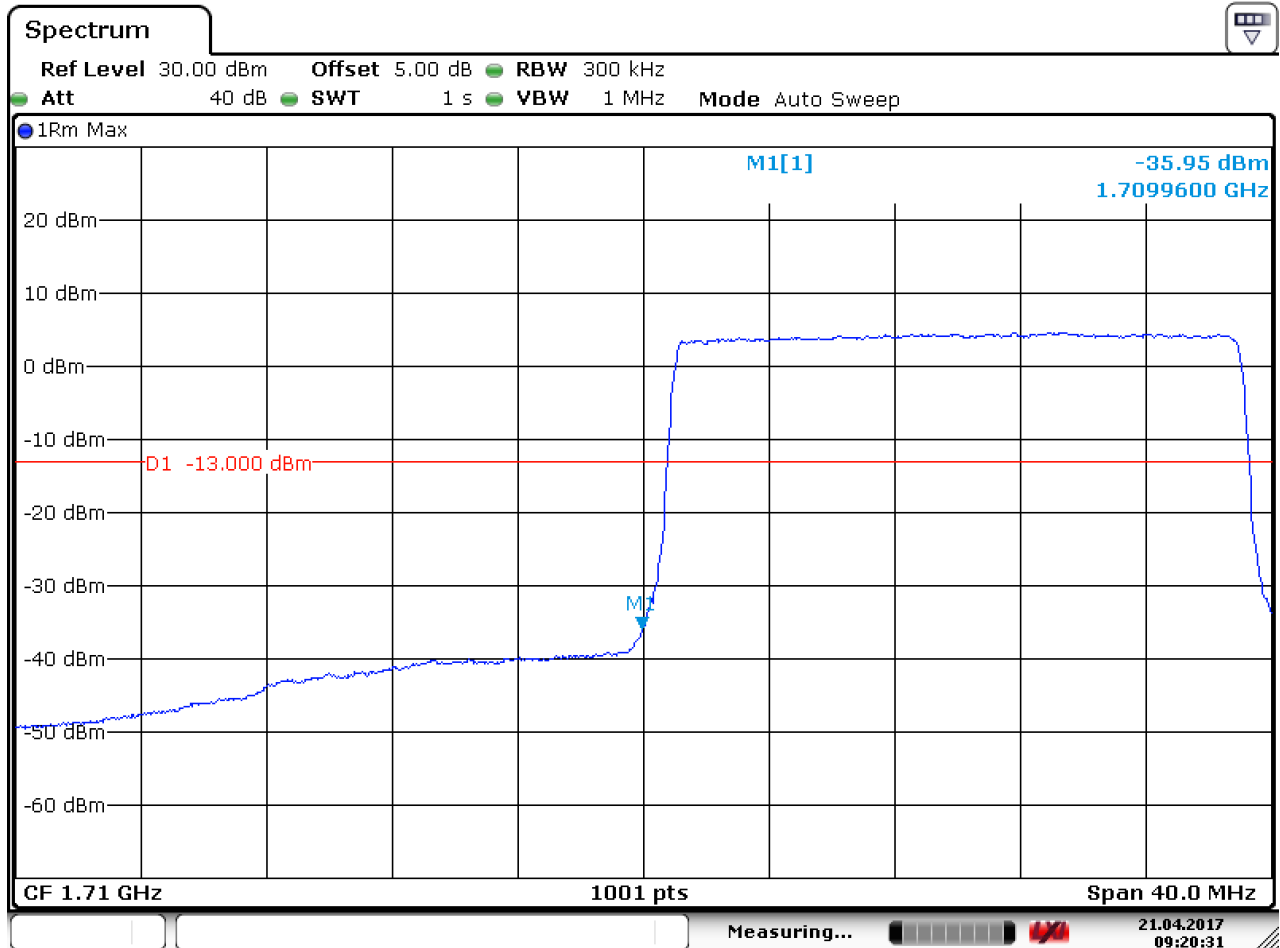
5.1.1.12 Test Mode = LTE/TM2 20MHz
5.1.1.12.1 Test Channel = LCH

5.1.1.12.1.1 Test RB=1RB



Date: 21.APR.2017 09:21:03

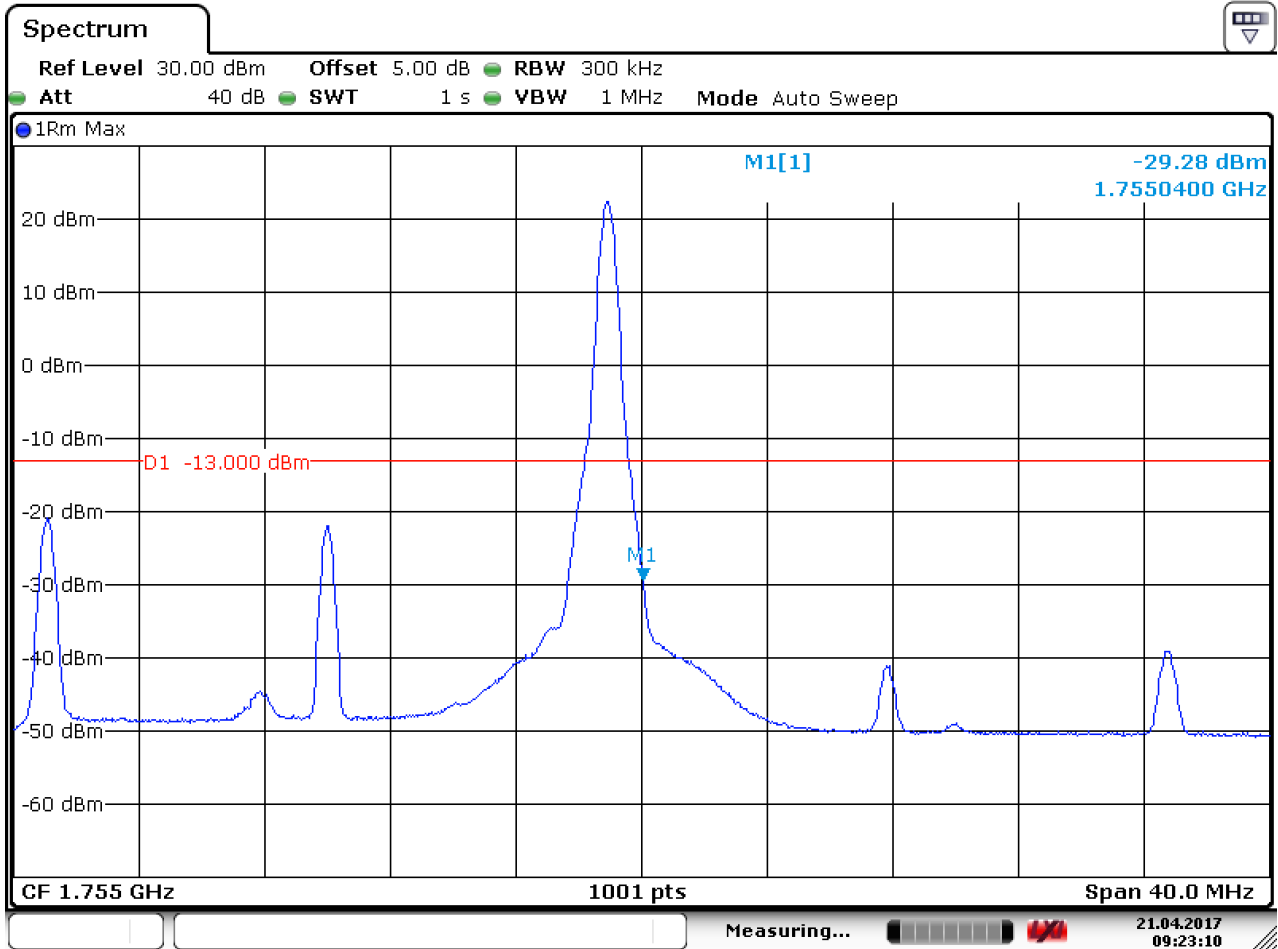
5.1.1.12.1.2 Test RB=100RB



Date: 21.APR.2017 09:20:32

5.1.1.12.2 Test Channel = HCH

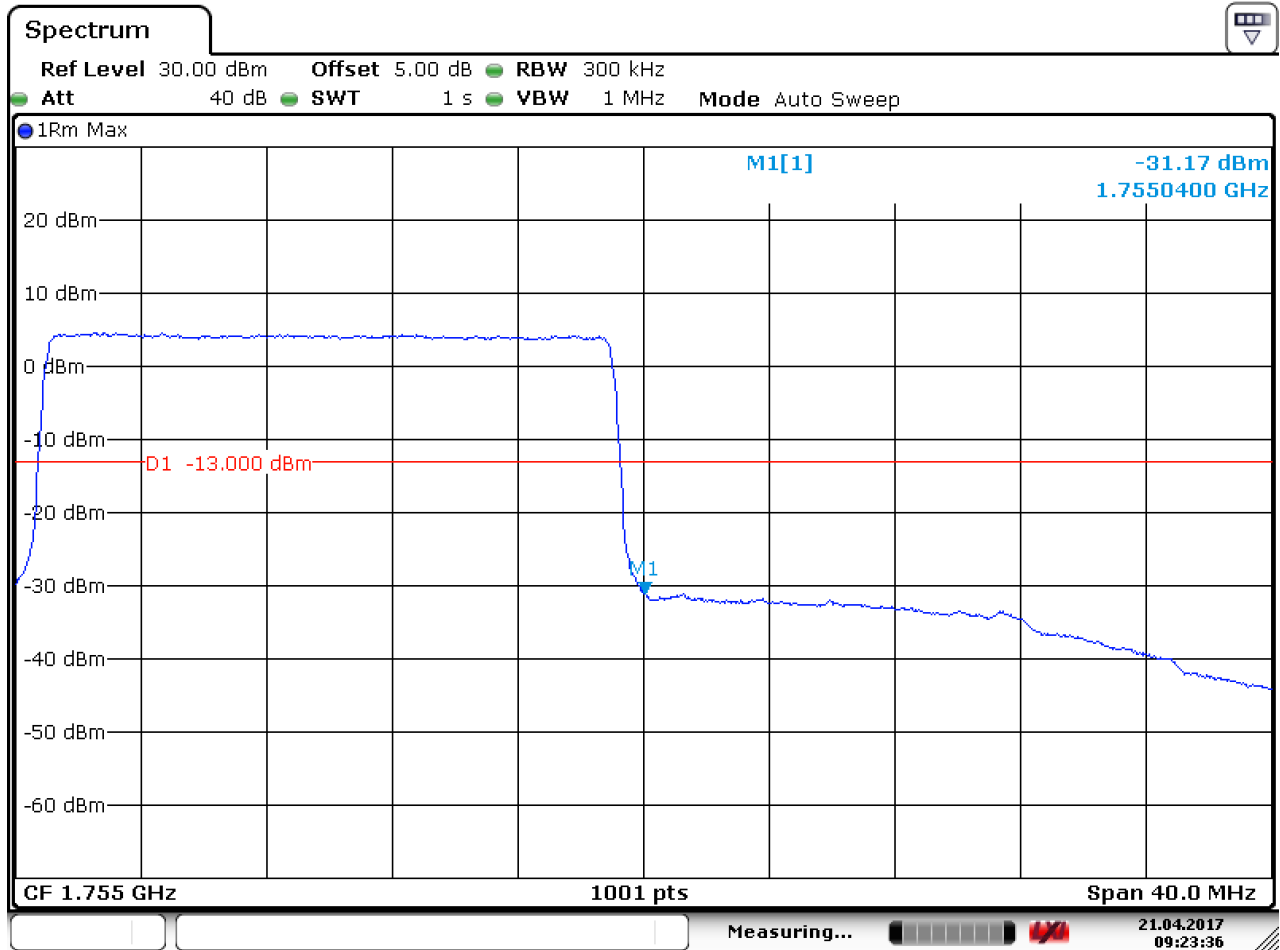
5.1.1.12.2.1 Test RB=1RB



Date: 21.APR.2017 09:23:11



5.1.1.12.2.2 Test RB=100RB



Date: 21.APR.2017 09:23:36

6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

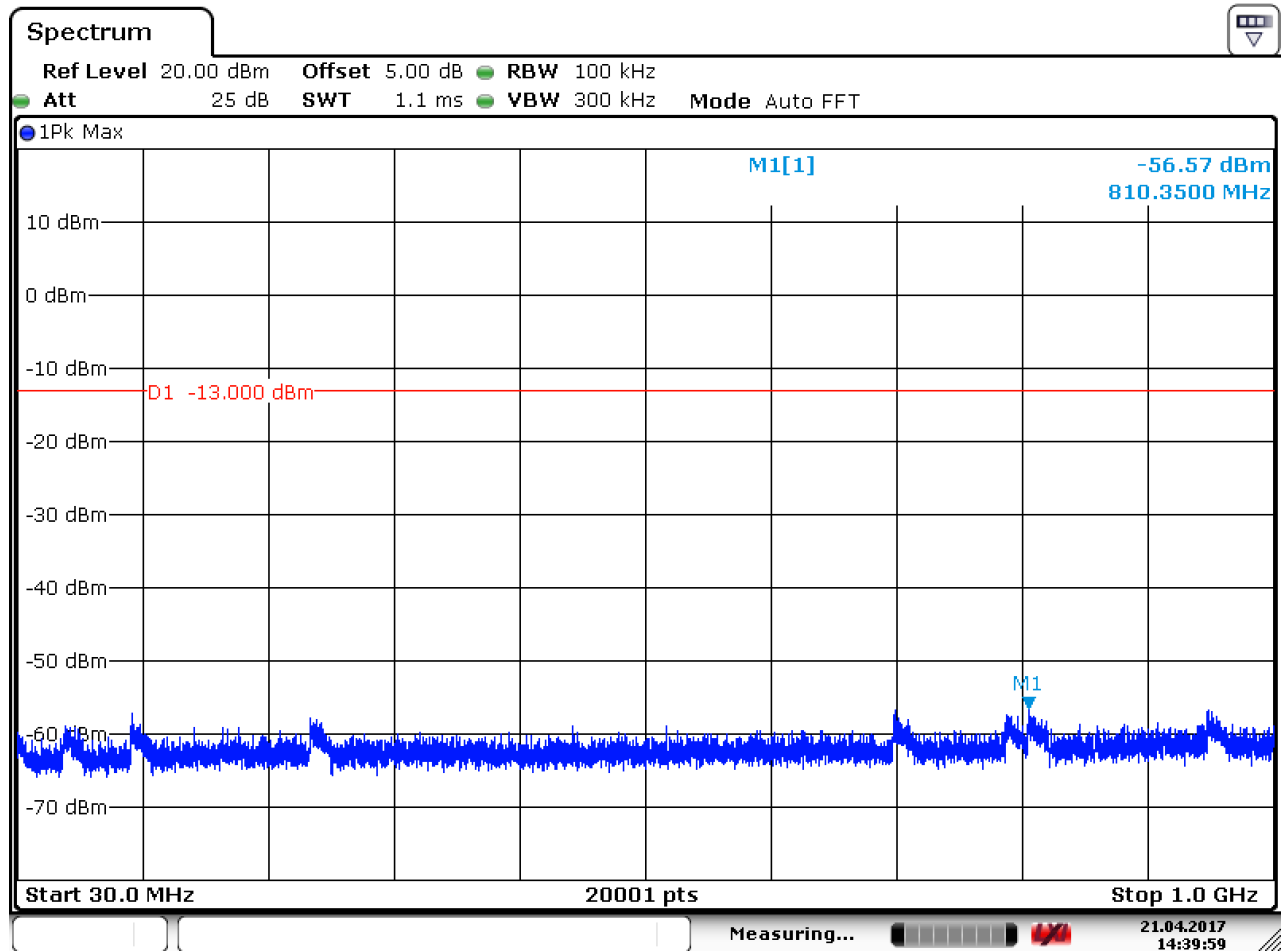
Part I - Test Plots

6.1 For LTE

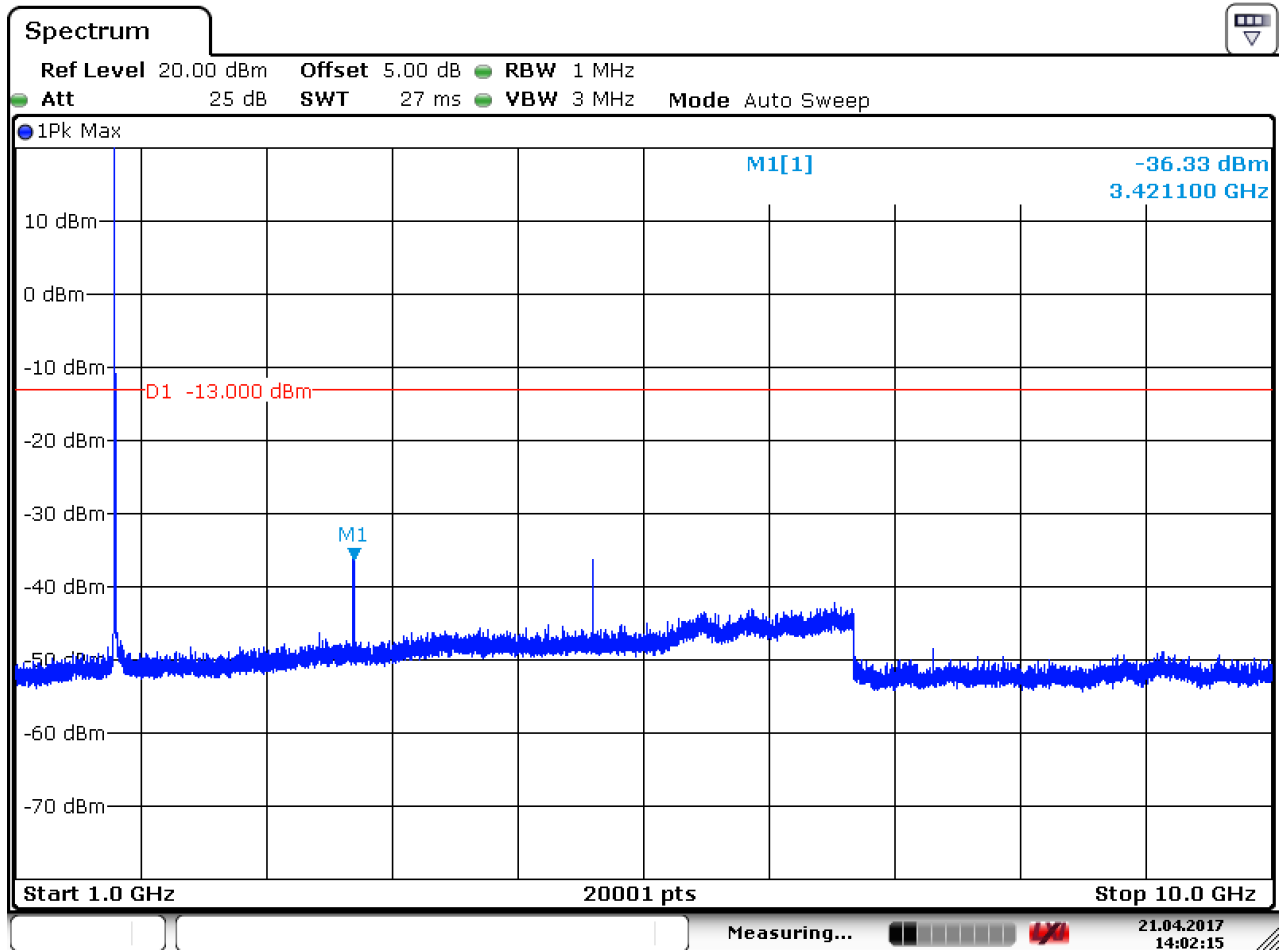
6.1.1 Test Band = LTE band4

6.1.1.1 Test Mode = LTE / TM1 1.4MHz RB1#0

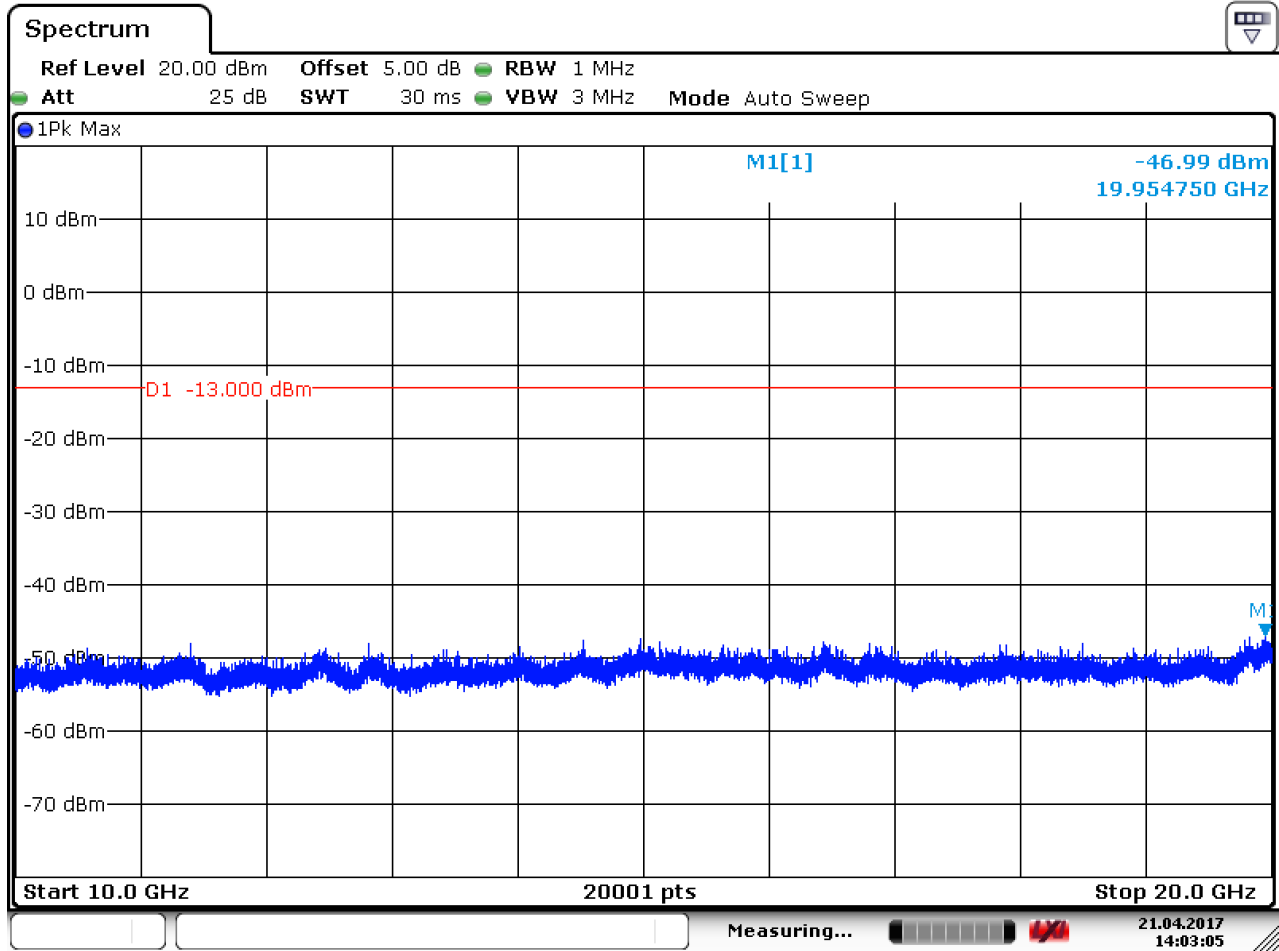
6.1.1.1.1 Test Channel = LCH



Date: 21.APR.2017 14:39:59



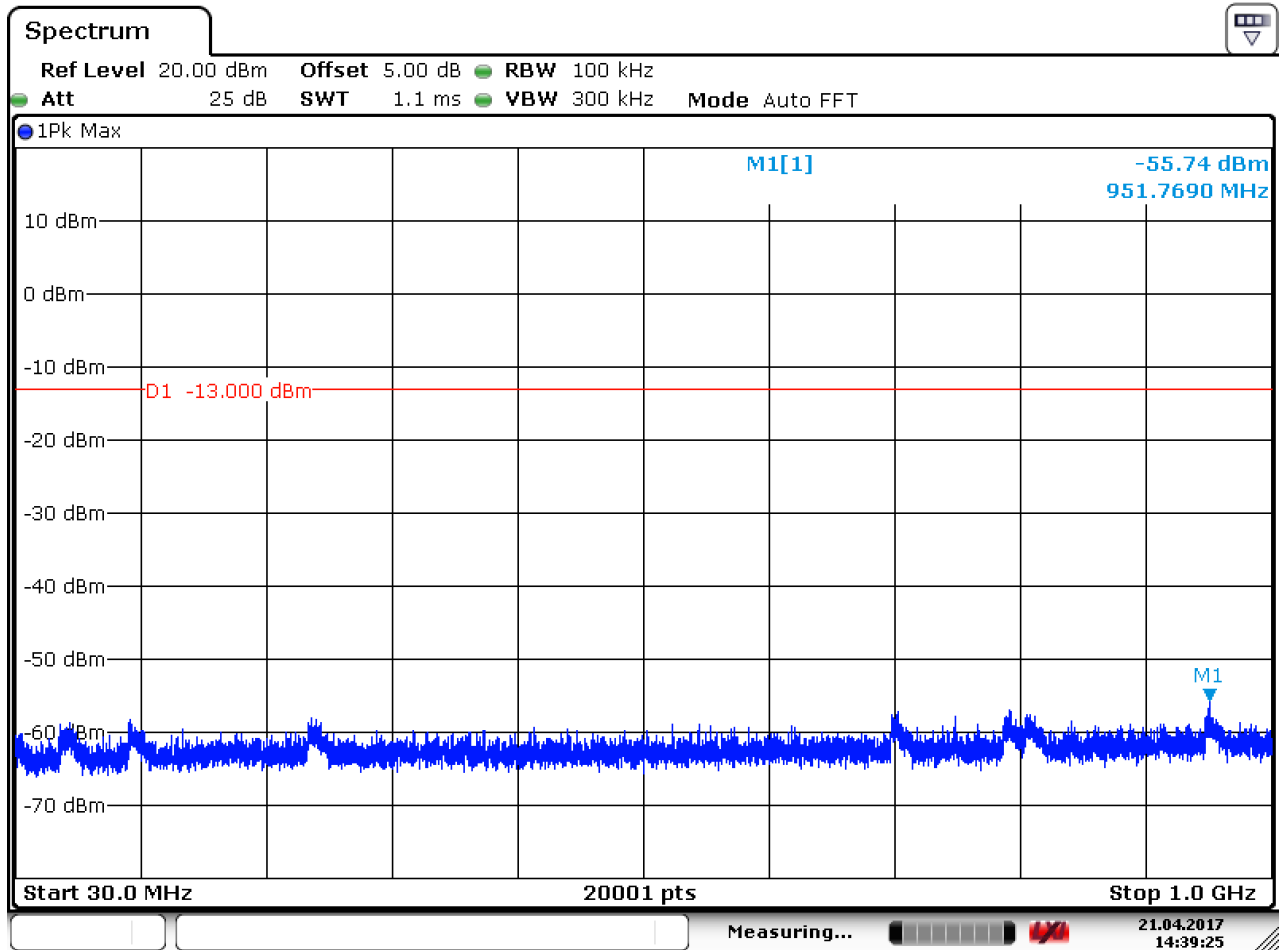
Date: 21.APR.2017 14:02:15



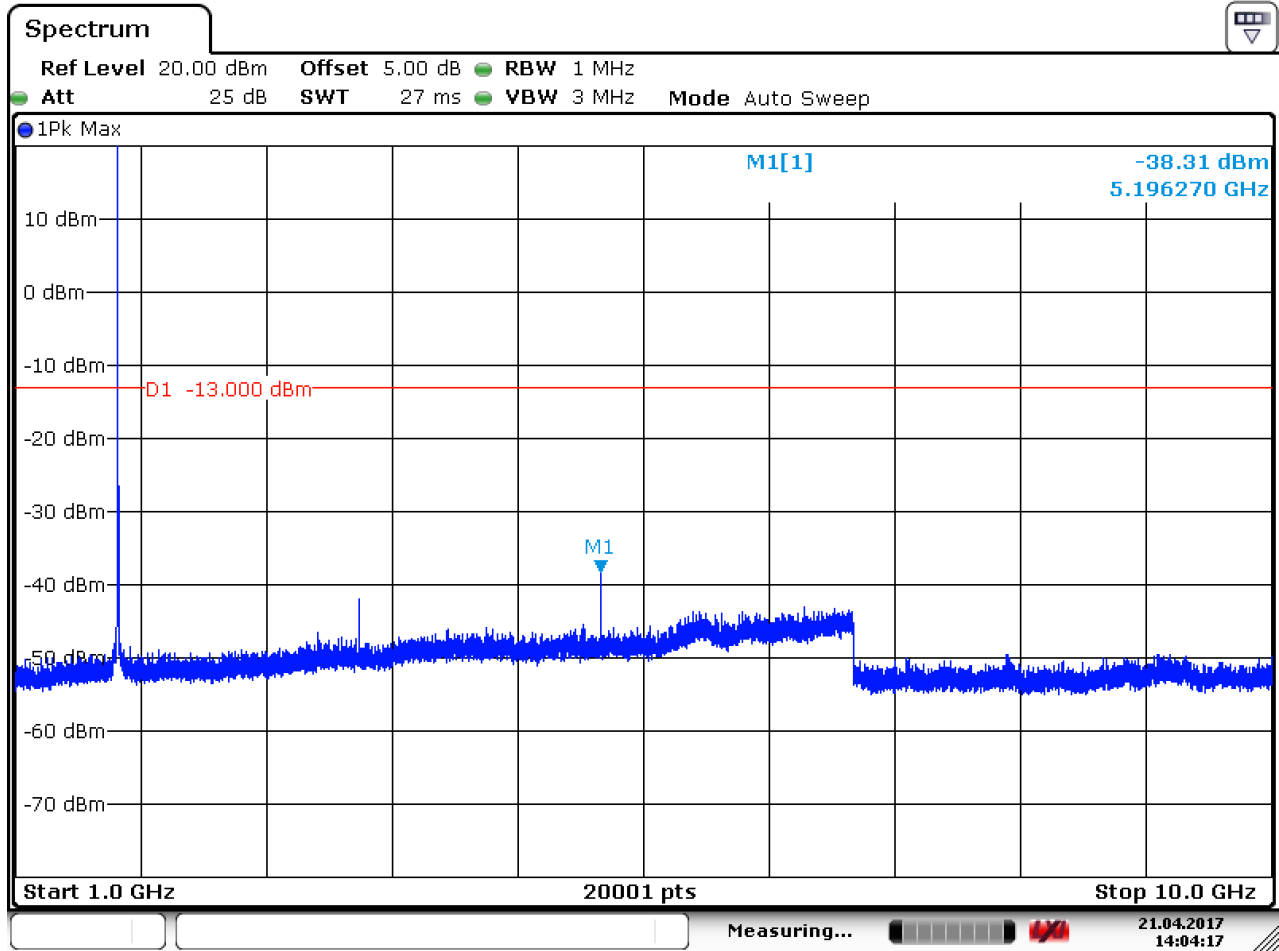
Date: 21.APR.2017 14:03:06



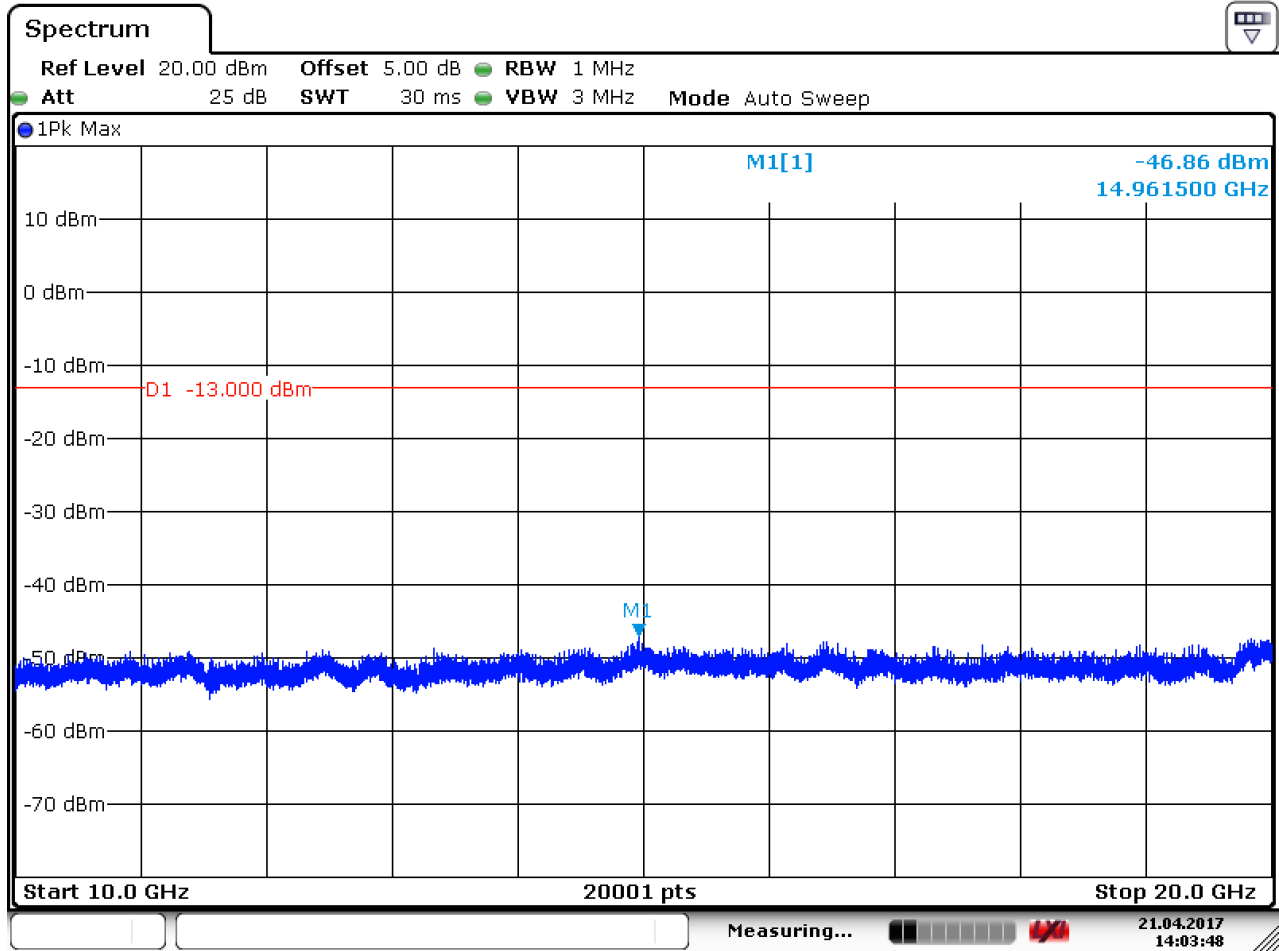
6.1.1.1.2 Test Channel = MCH



Date: 21.APR.2017 14:39:26



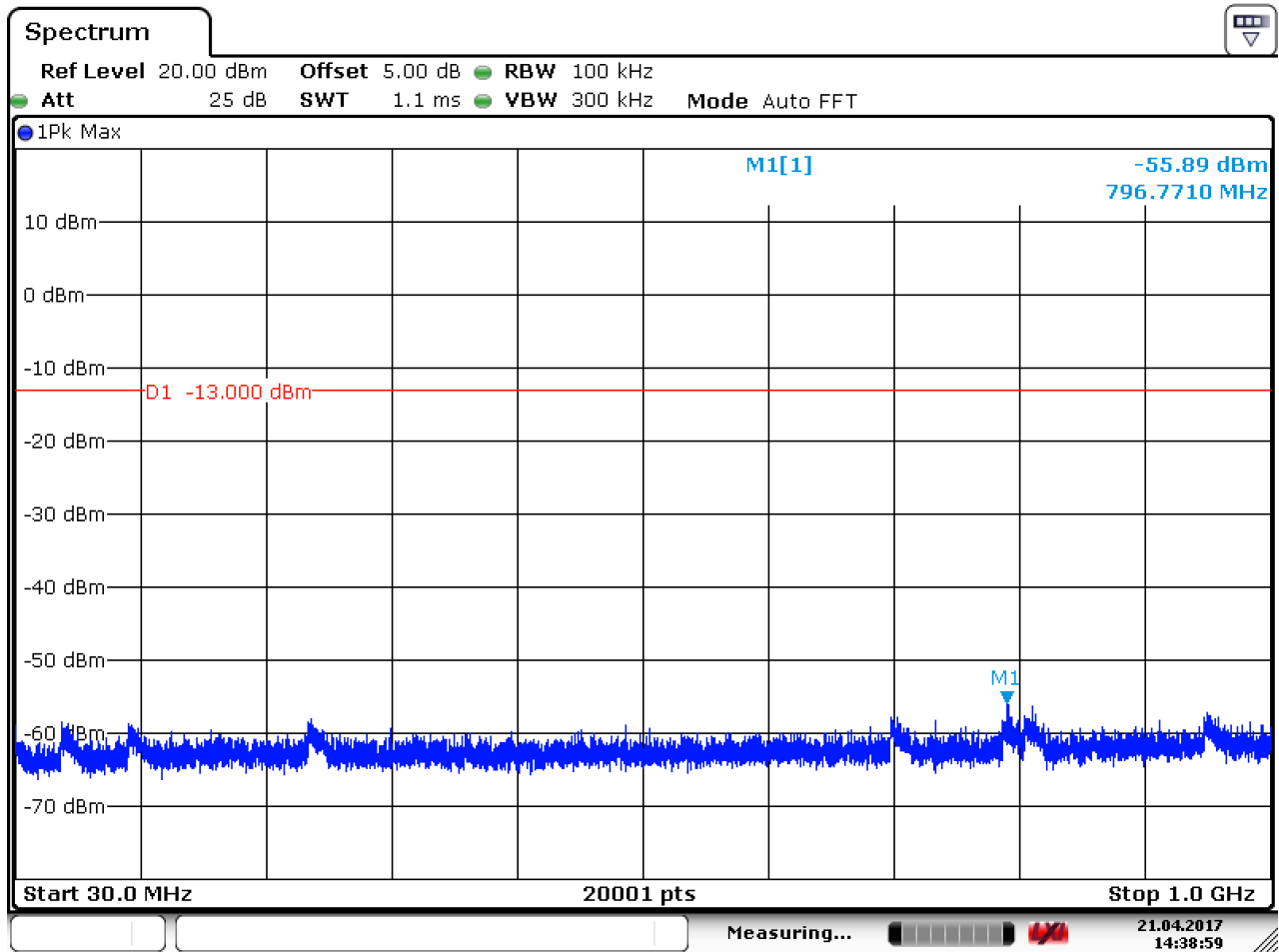
Date: 21.APR.2017 14:04:17



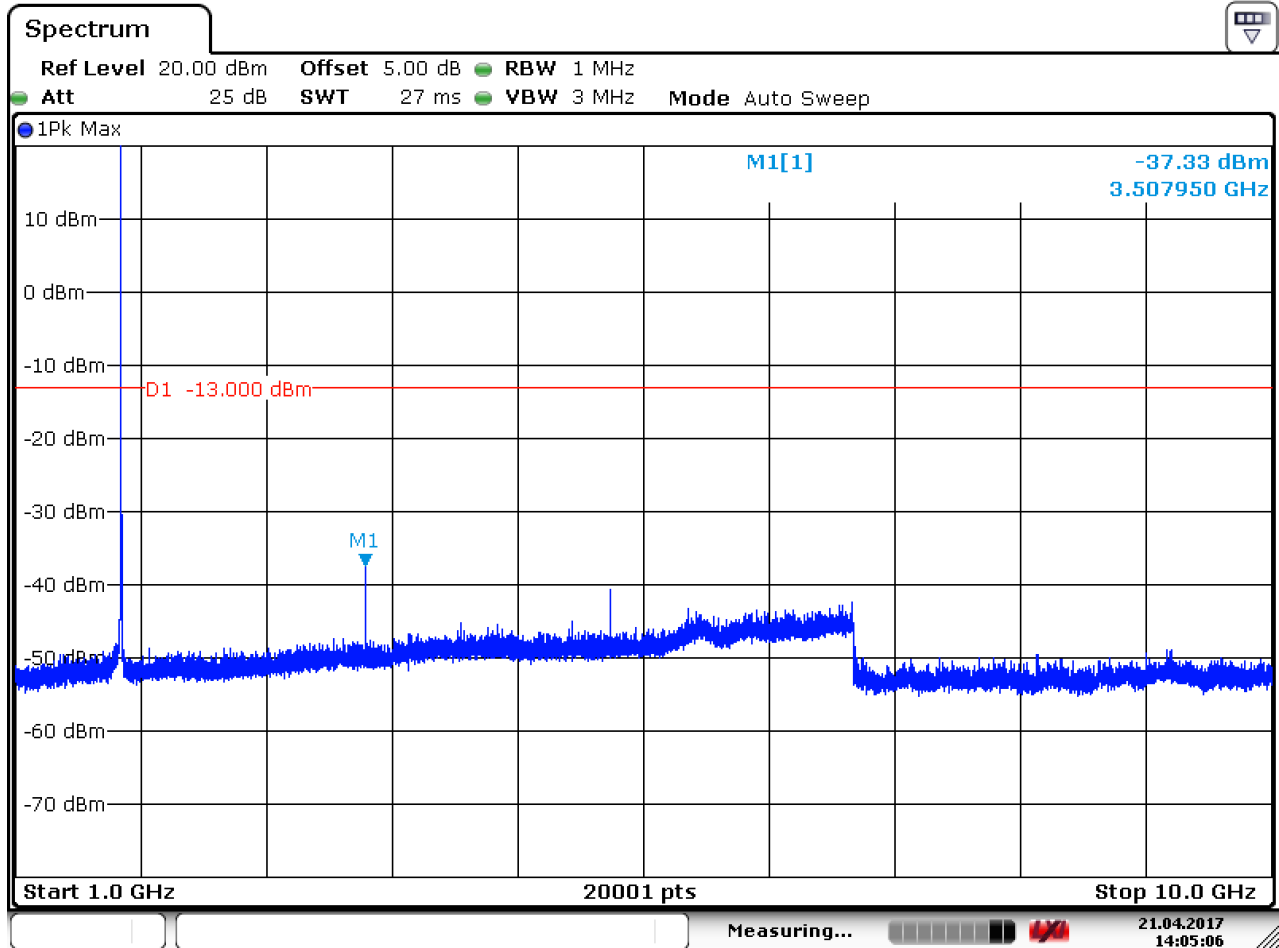
Date: 21.APR.2017 14:03:48



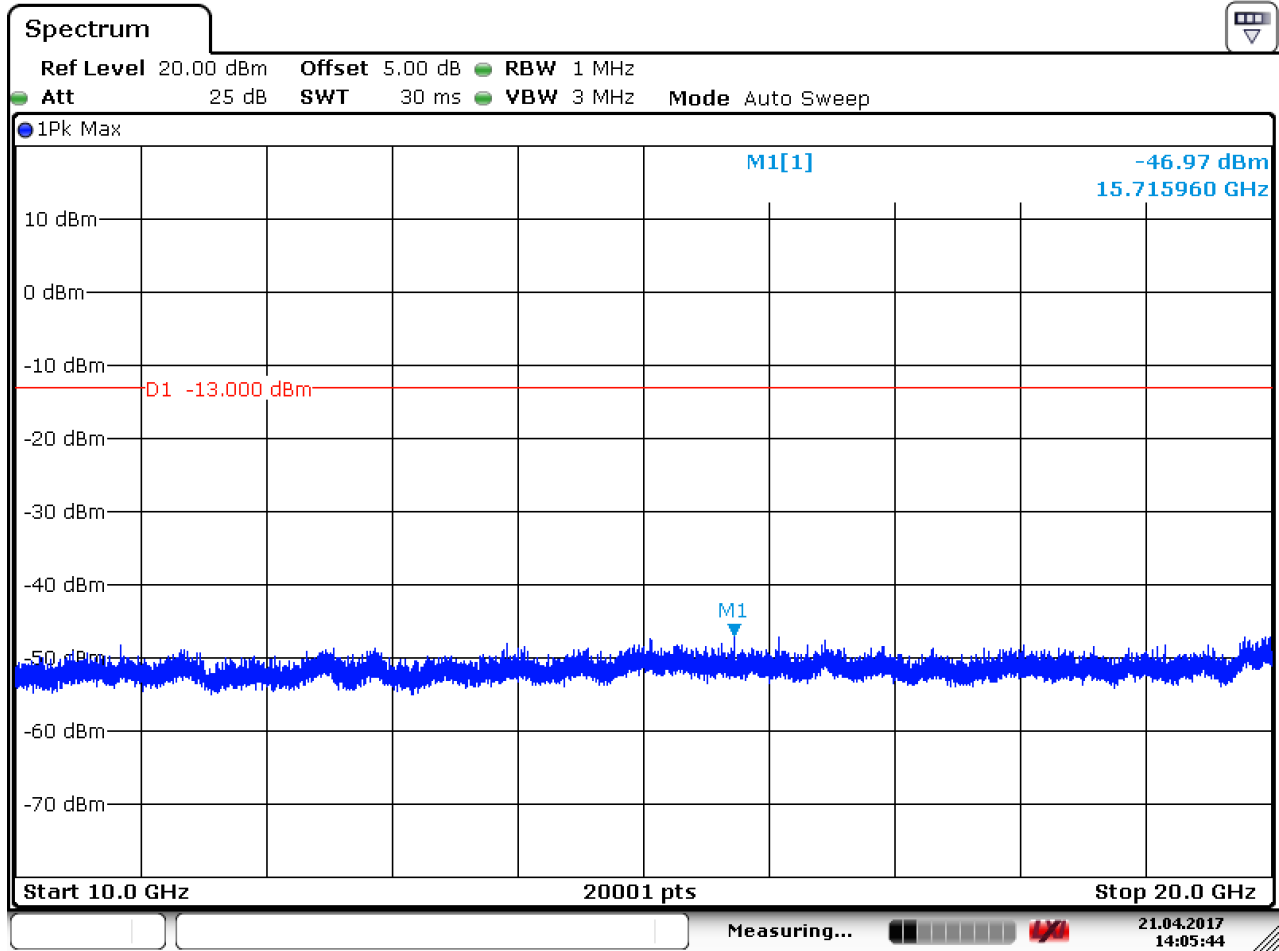
6.1.1.1.3 Test Channel = HCH



Date: 21.APR.2017 14:38:59



Date: 21.APR.2017 14:05:06

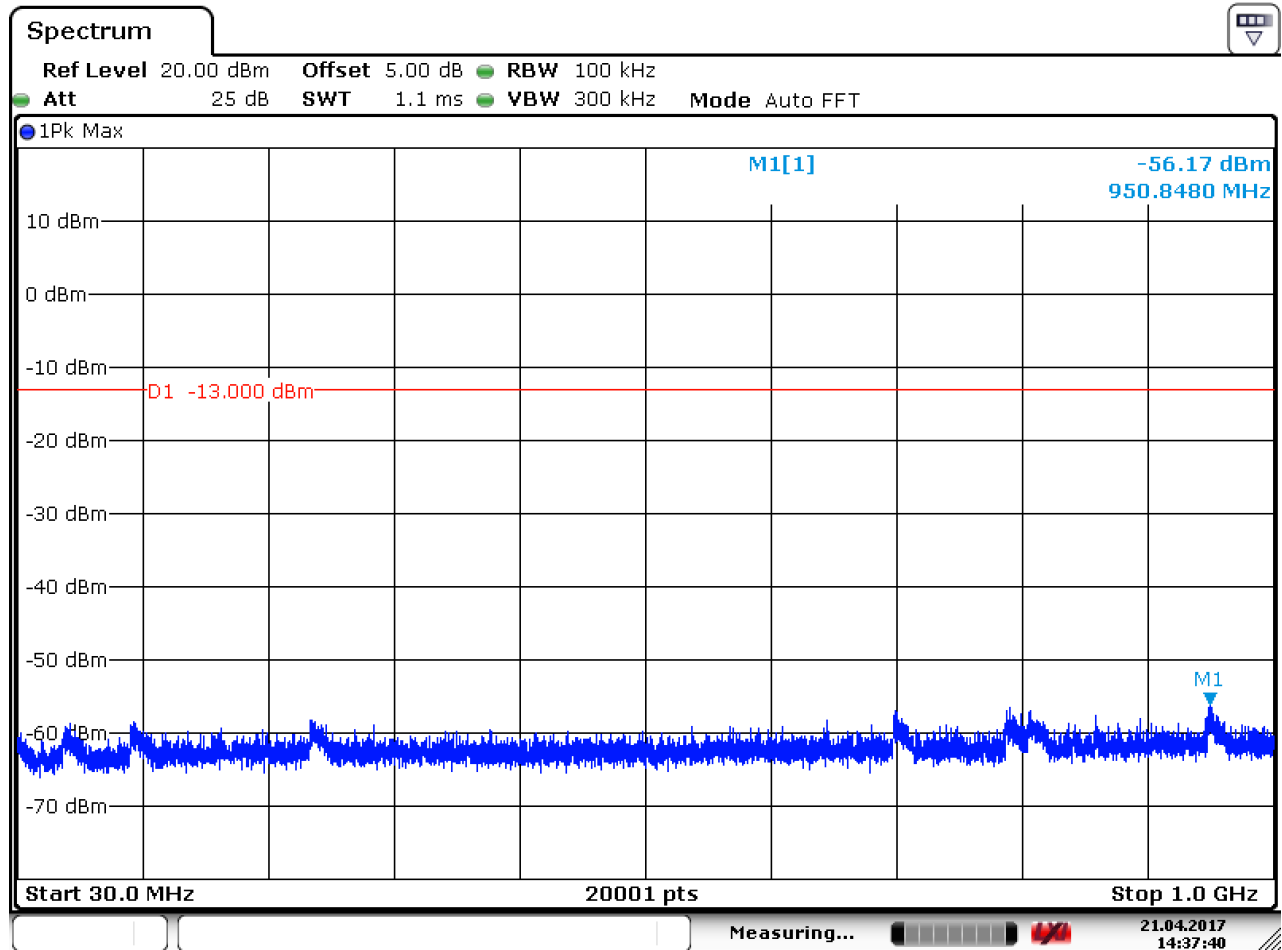


Date: 21.APR.2017 14:05:44

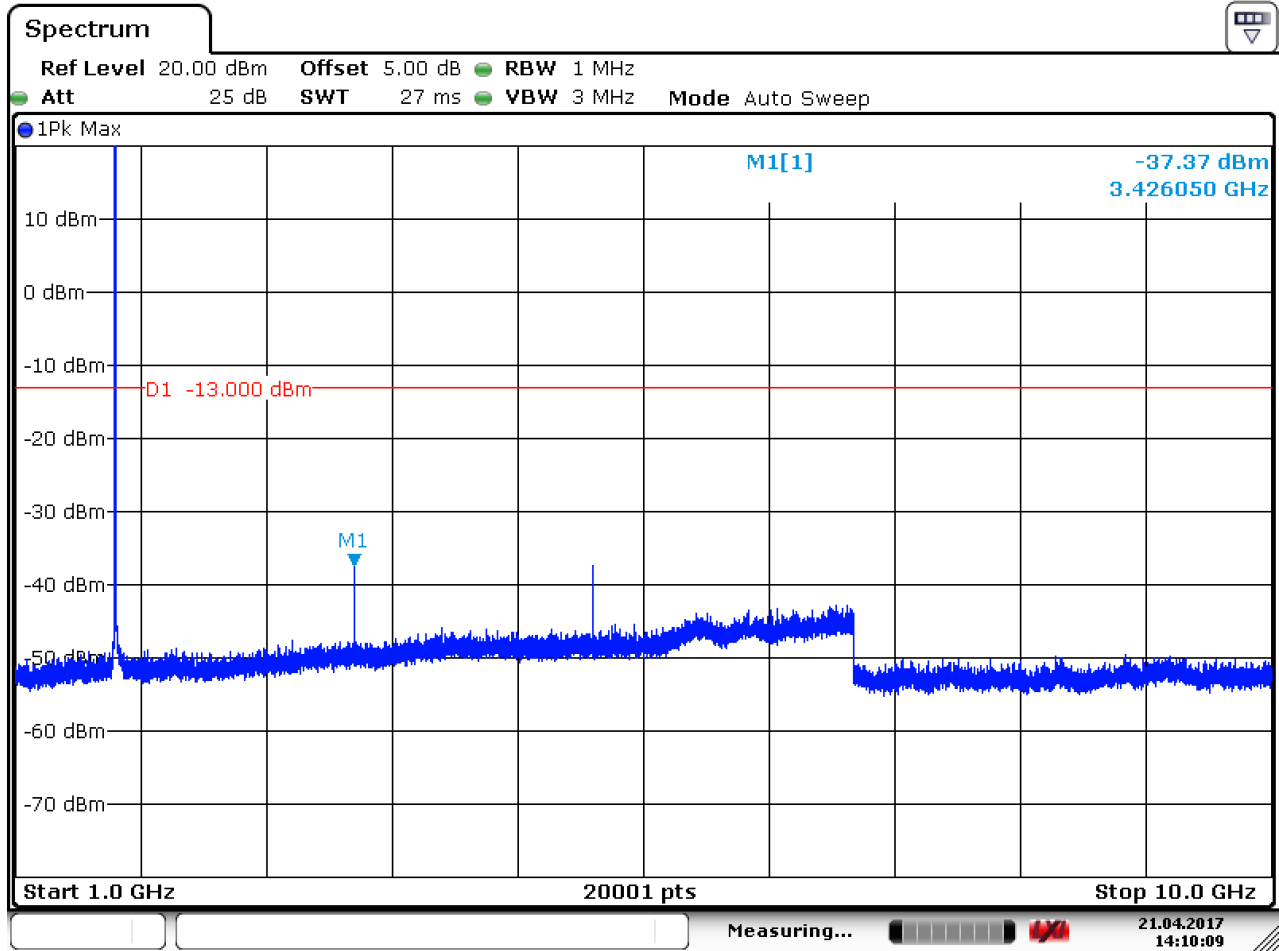


6.1.1.2 Test Mode = LTE / TM1 3MHz RB1#0

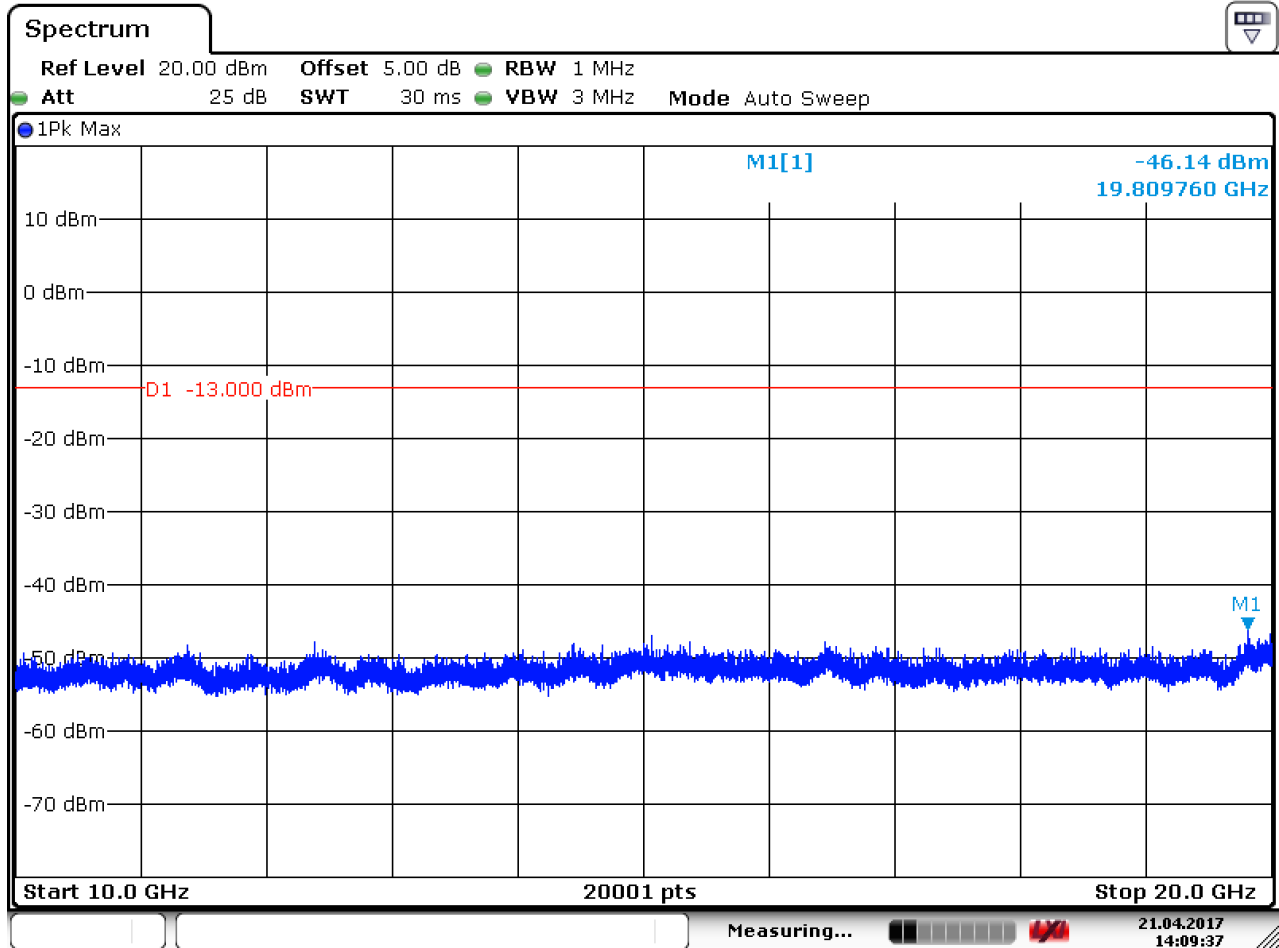
6.1.1.2.1 Test Channel = LCH



Date: 21.APR.2017 14:37:40



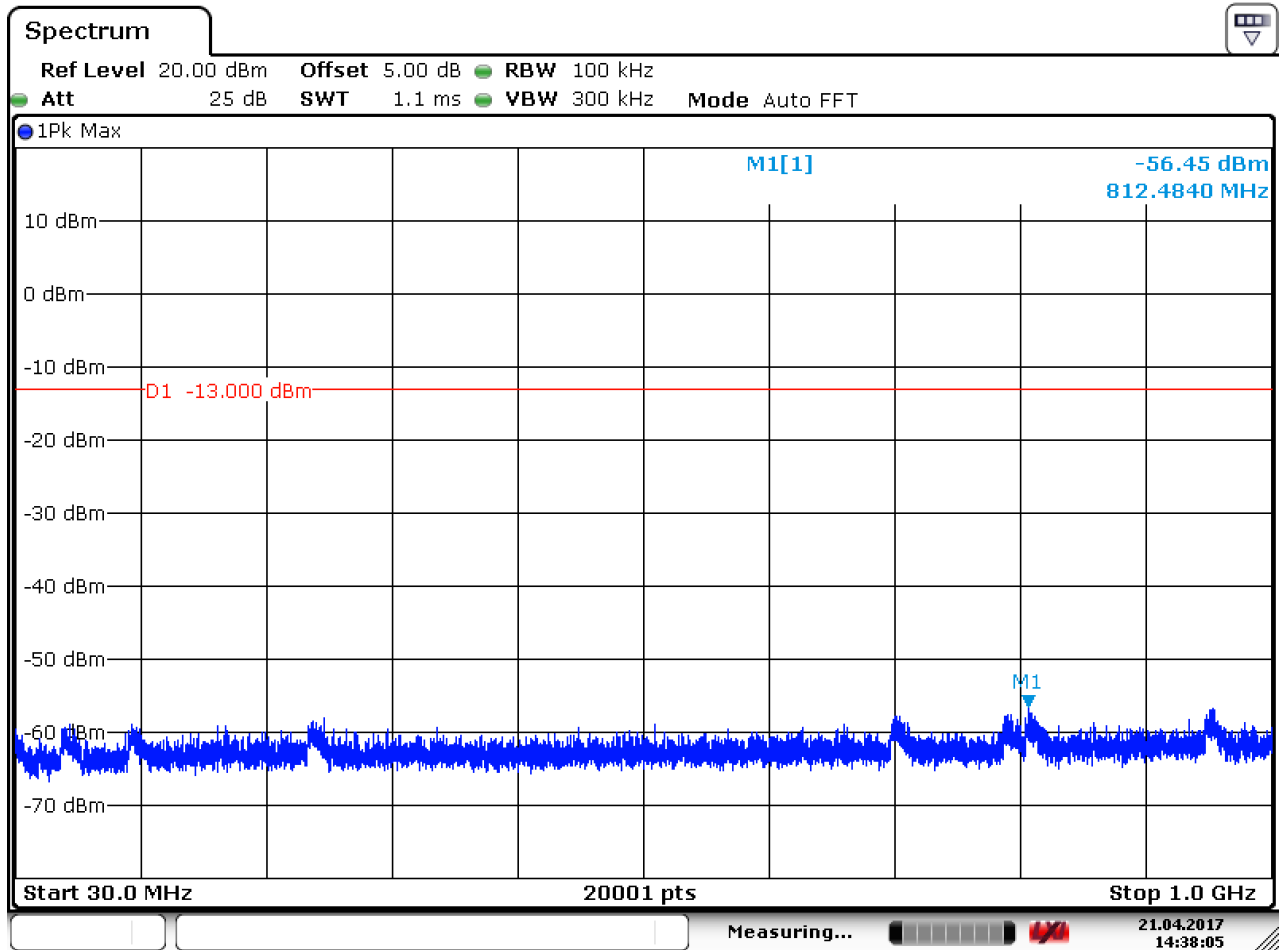
Date: 21.APR.2017 14:10:10



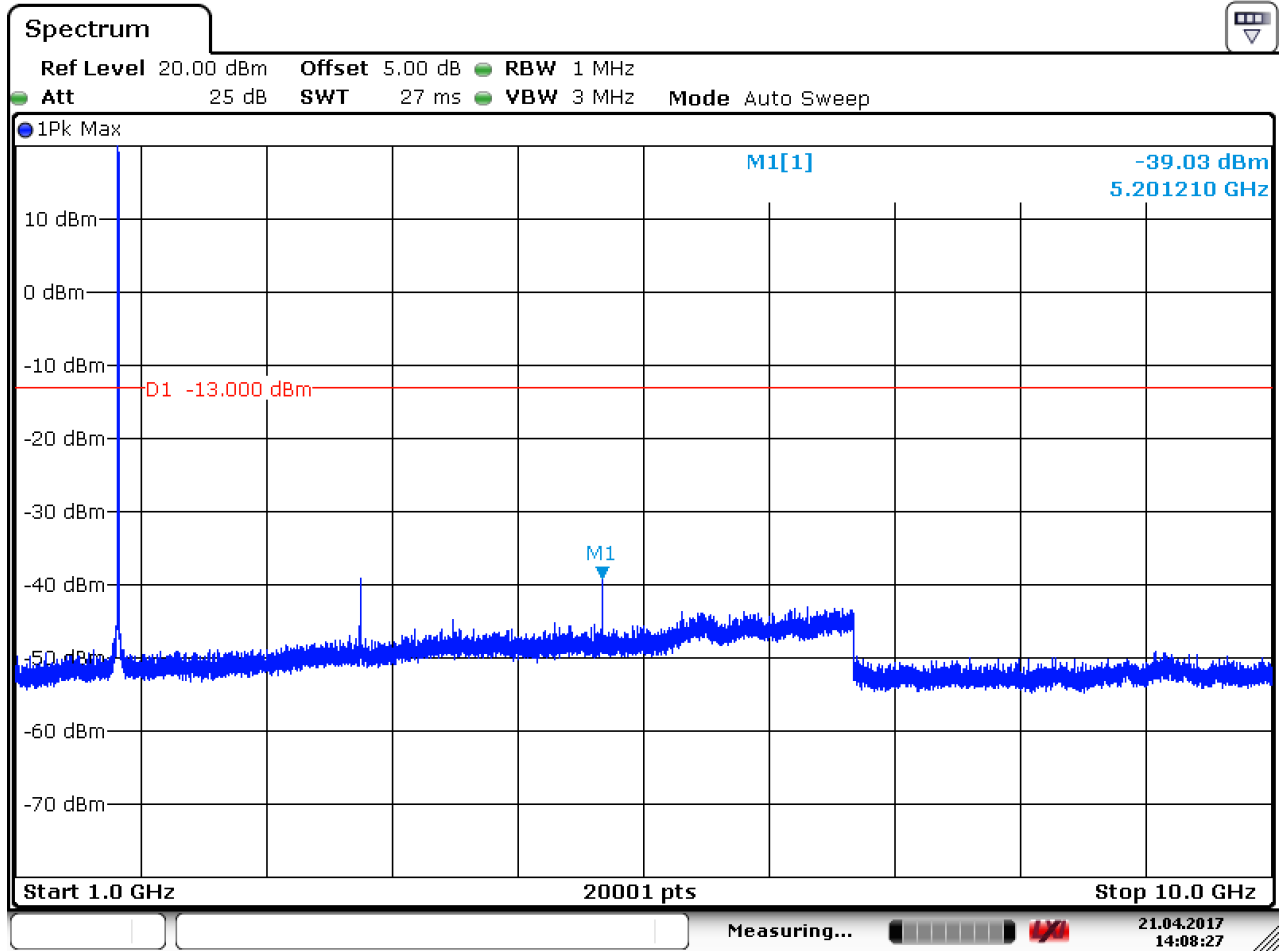
Date: 21.APR.2017 14:09:37



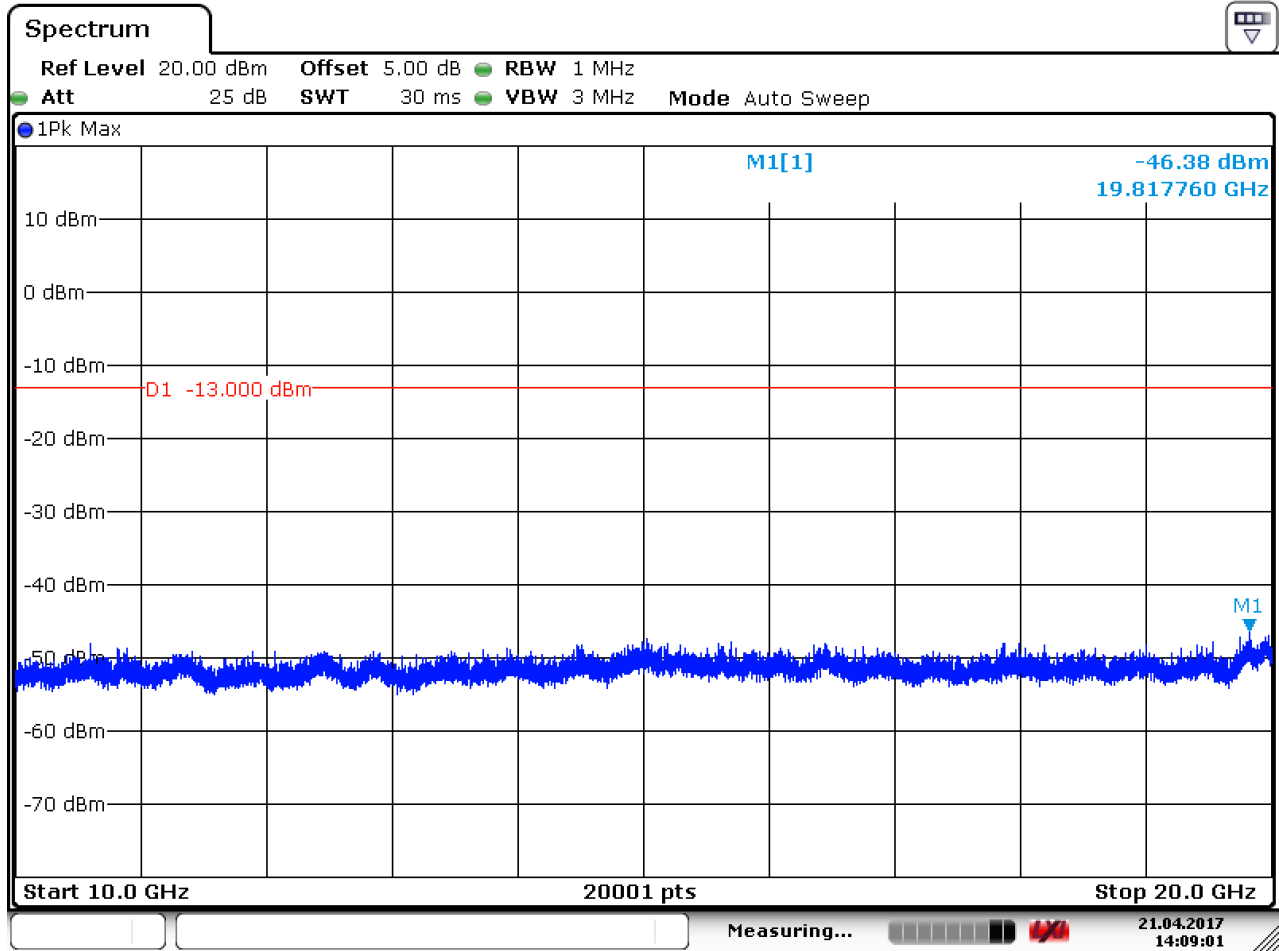
6.1.1.2.2 Test Channel = MCH



Date: 21.APR.2017 14:38:05



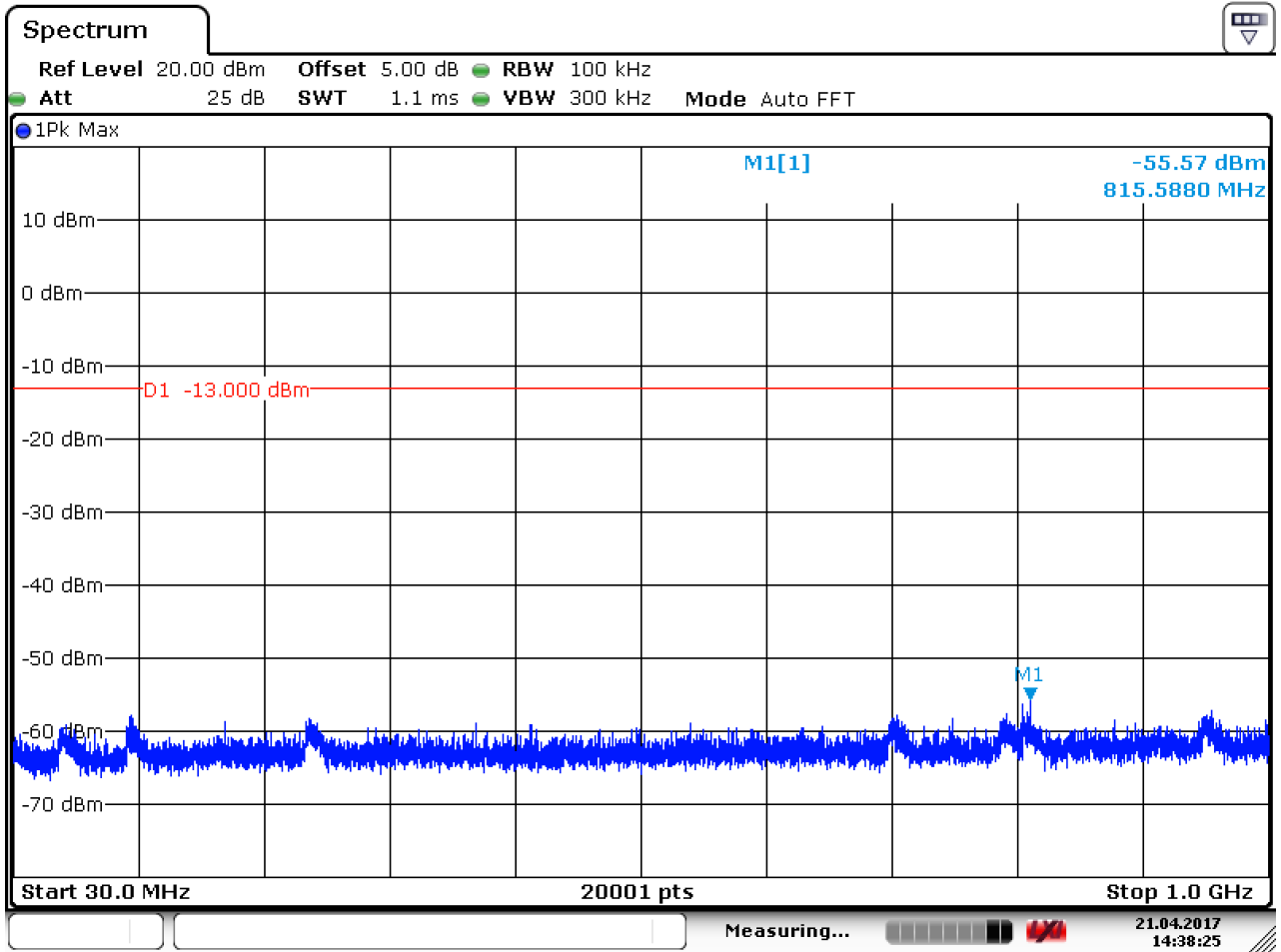
Date: 21.APR.2017 14:08:28



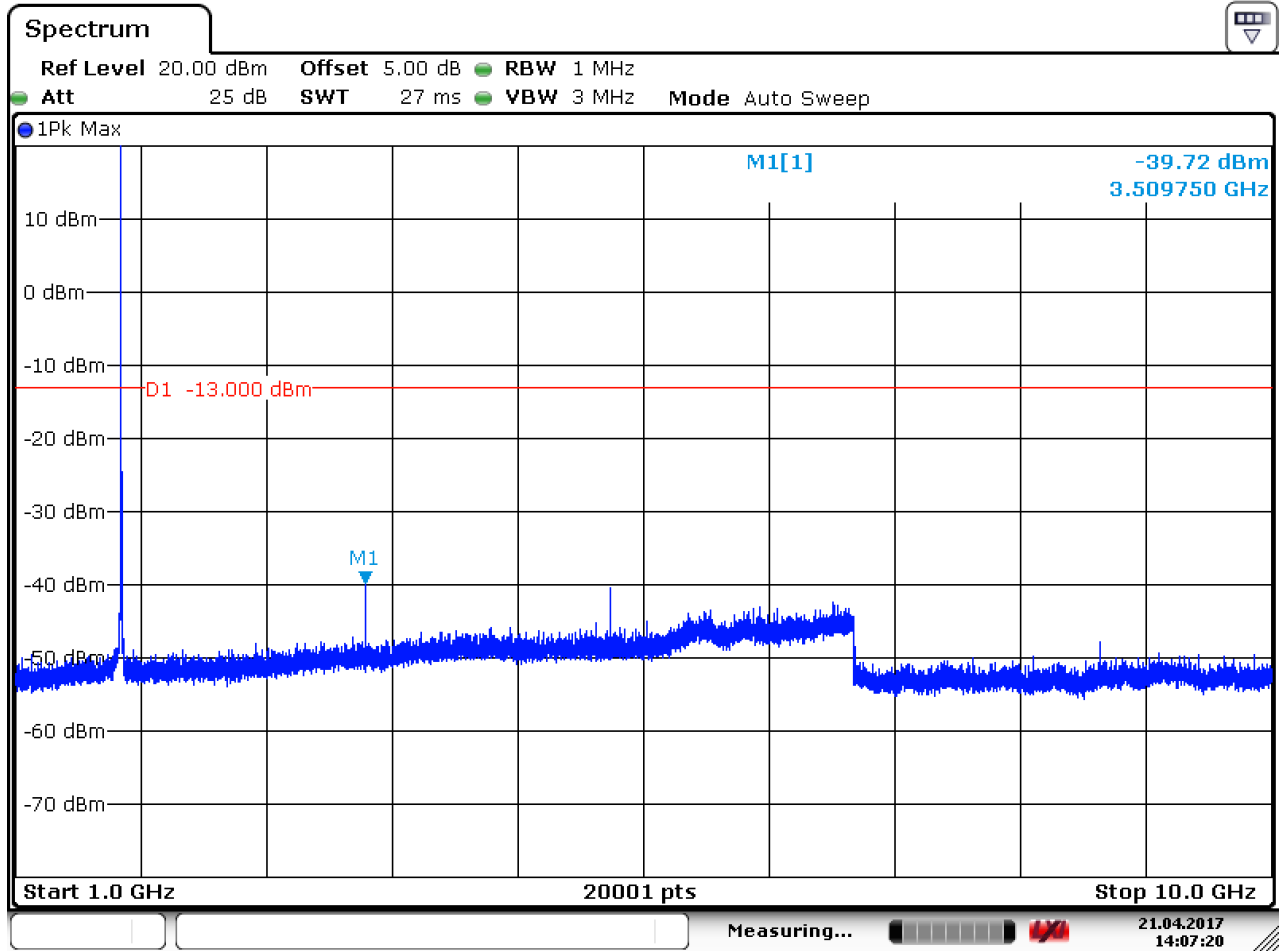
Date: 21.APR.2017 14:09:02



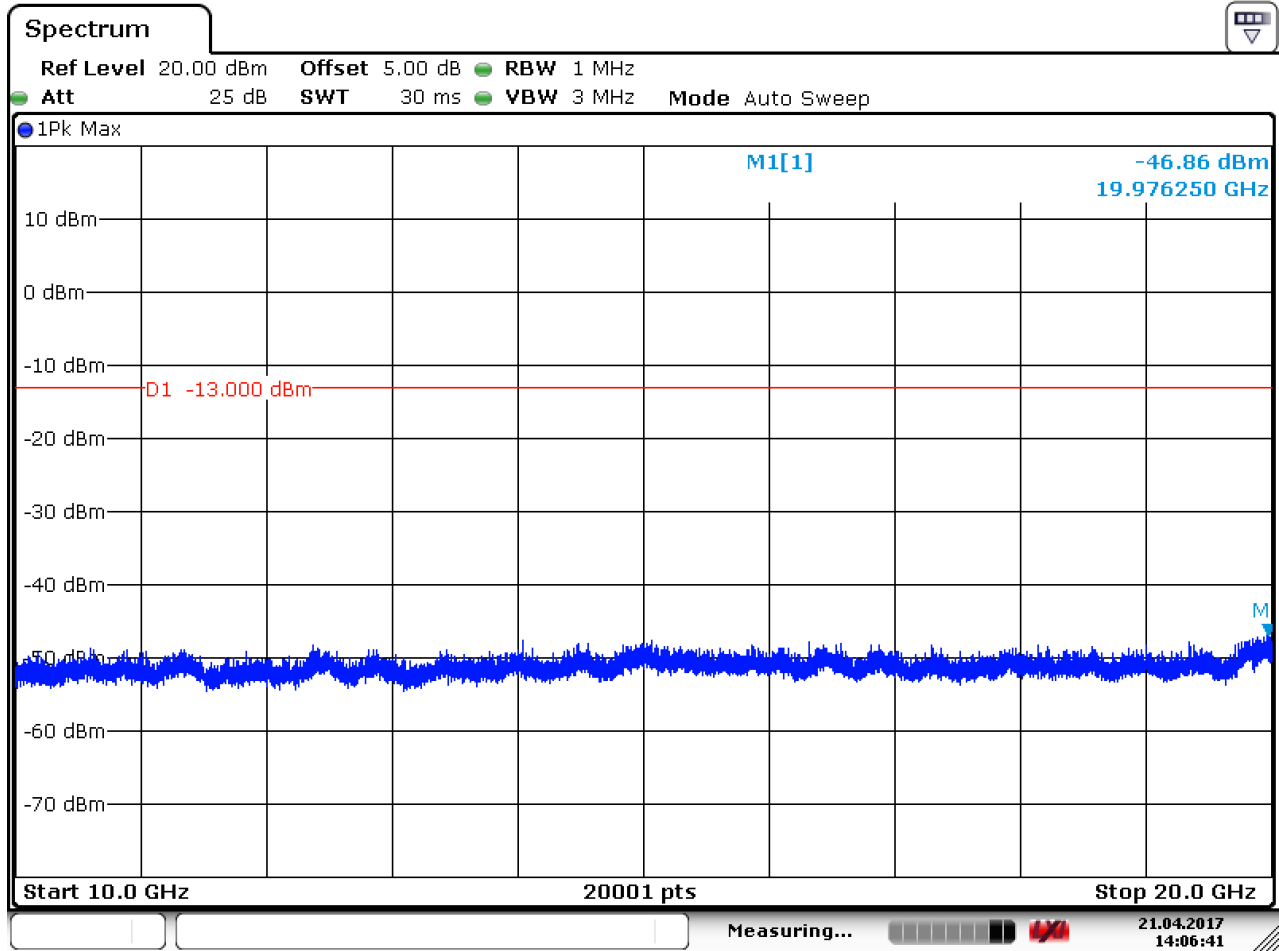
6.1.1.2.3 Test Channel = HCH



Date: 21.APR.2017 14:38:25



Date: 21.APR.2017 14:07:20

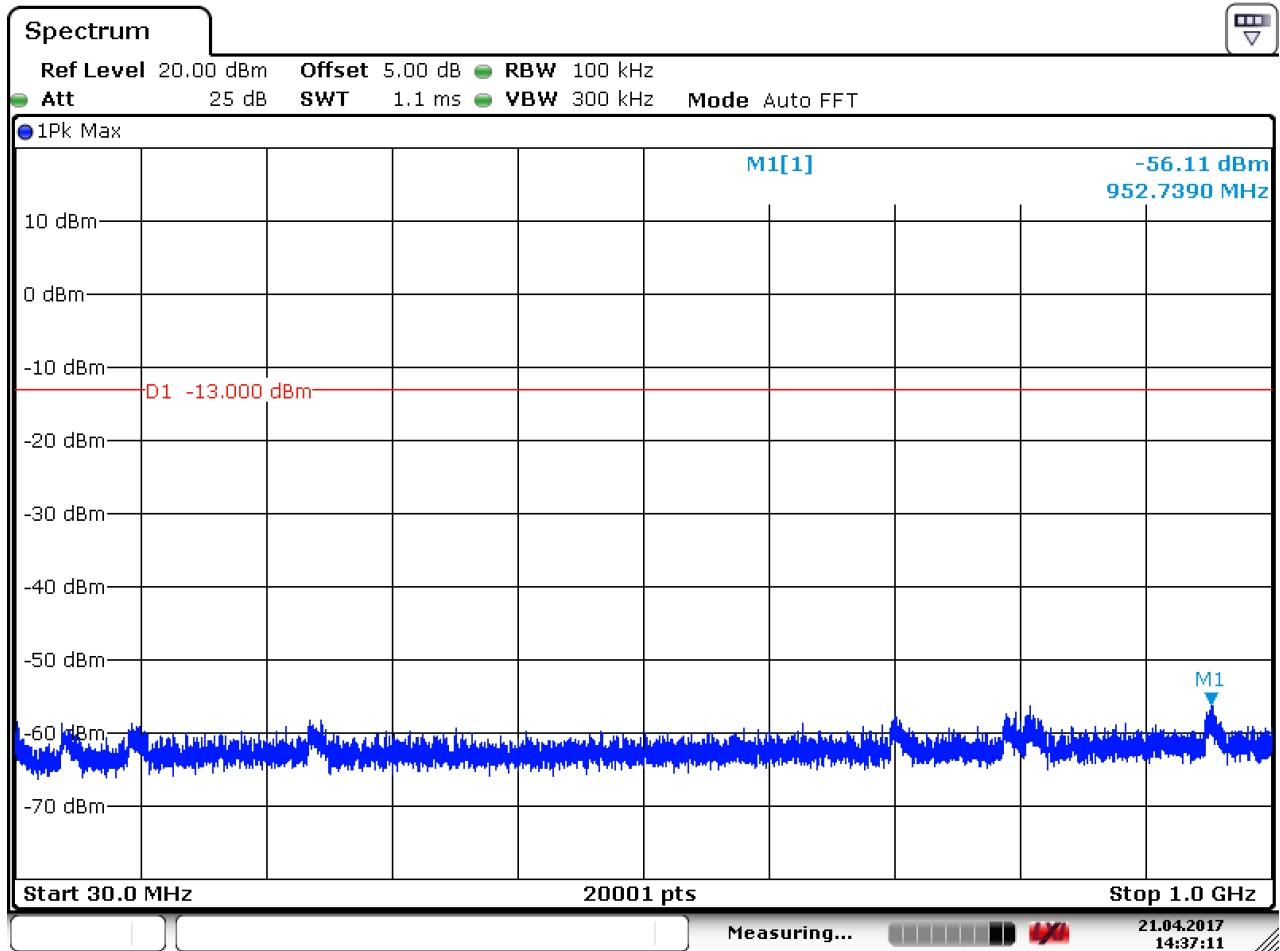


Date: 21.APR.2017 14:06:42

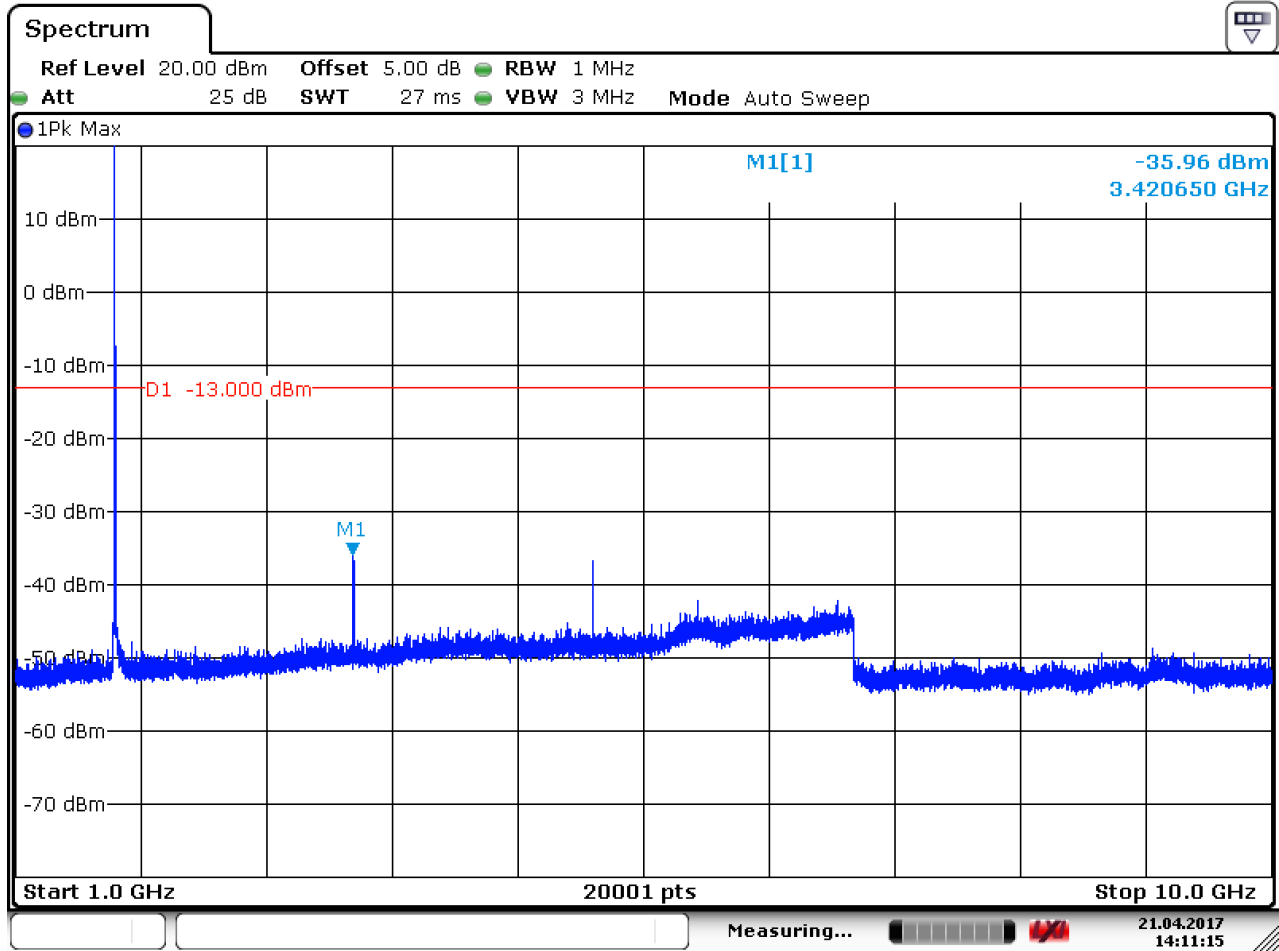


6.1.1.3 Test Mode = LTE / TM1 5MHz RB1#0

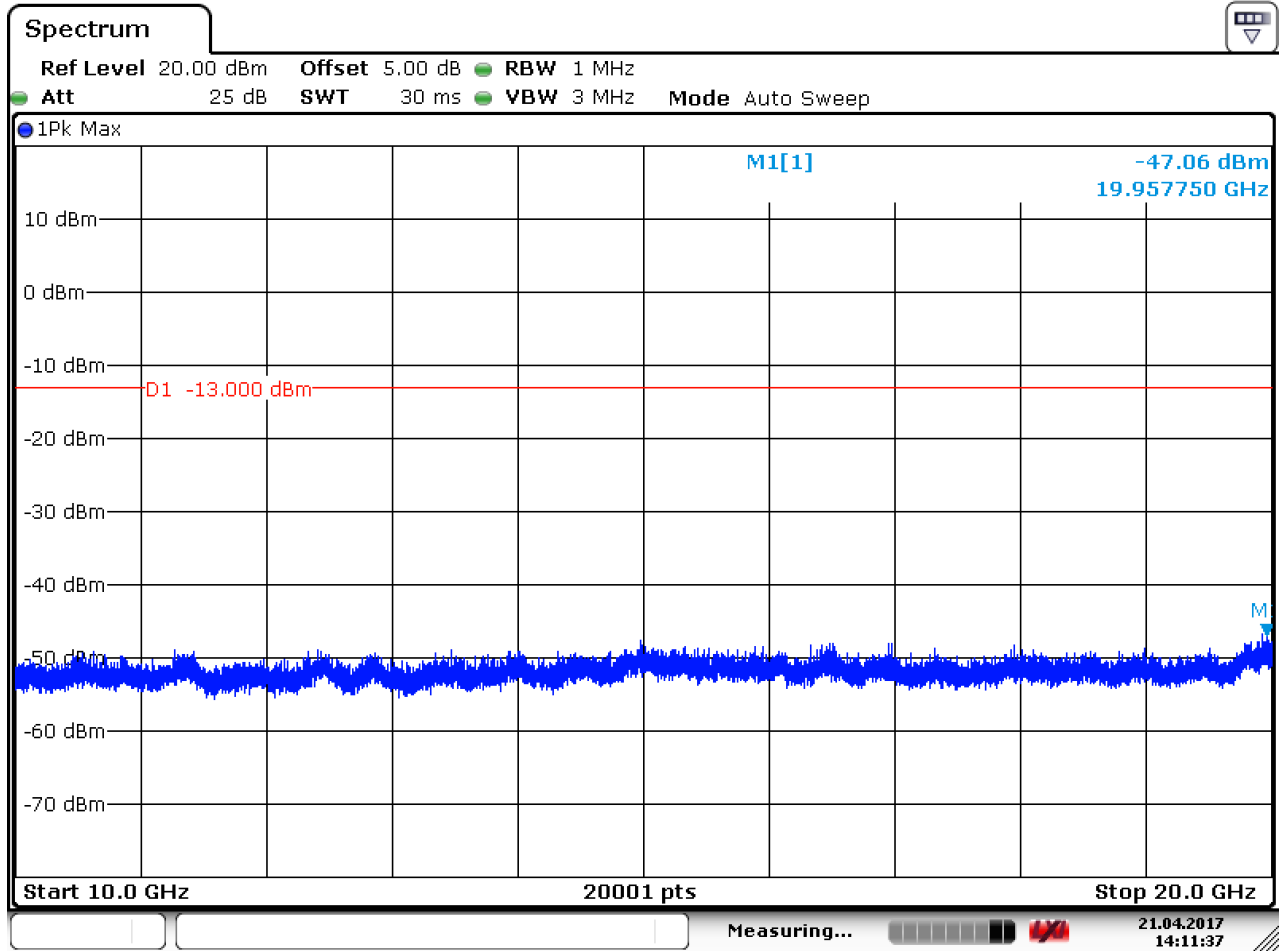
6.1.1.3.1 Test Channel = LCH



Date: 21.APR.2017 14:37:11



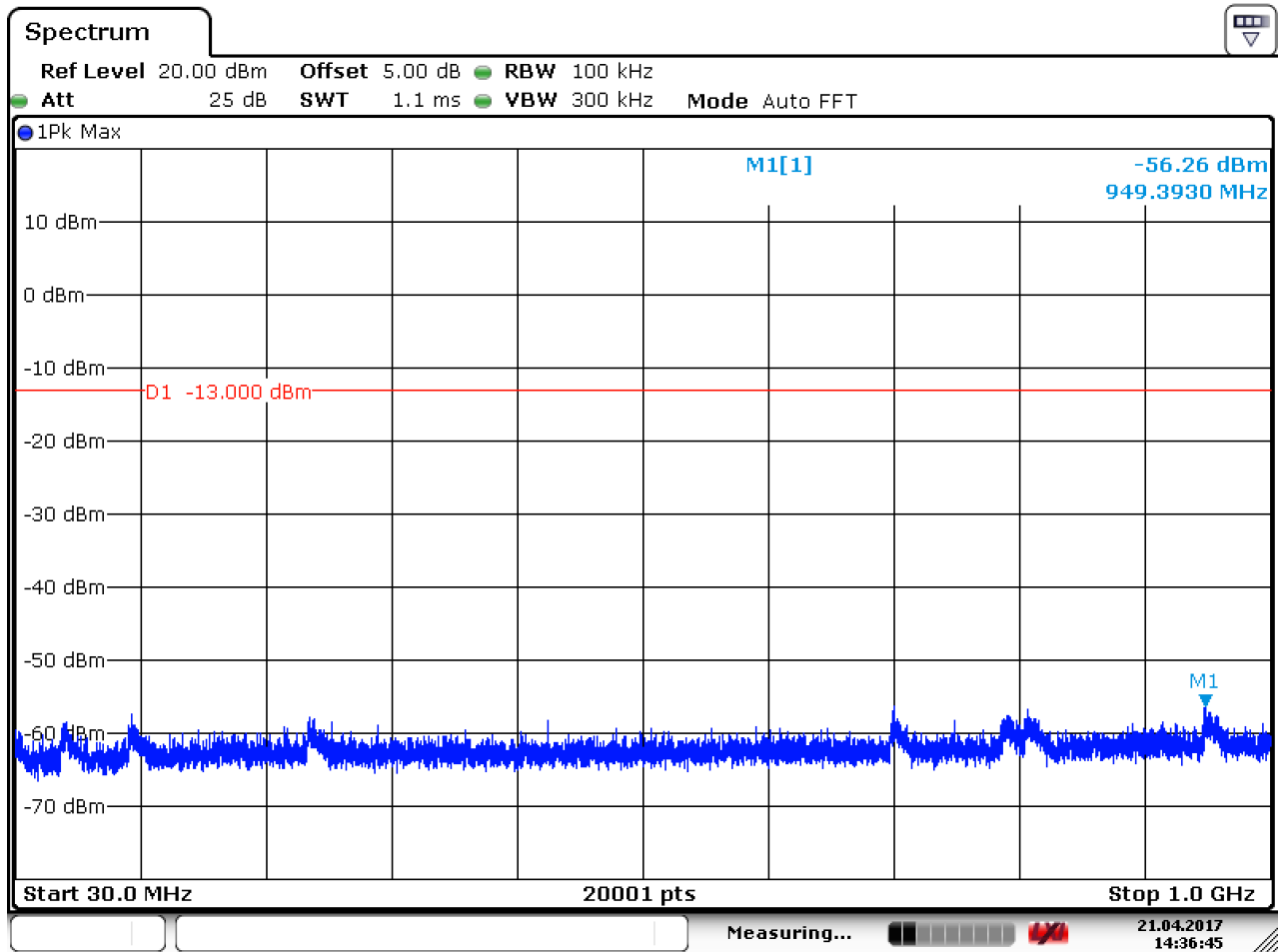
Date: 21.APR.2017 14:11:16



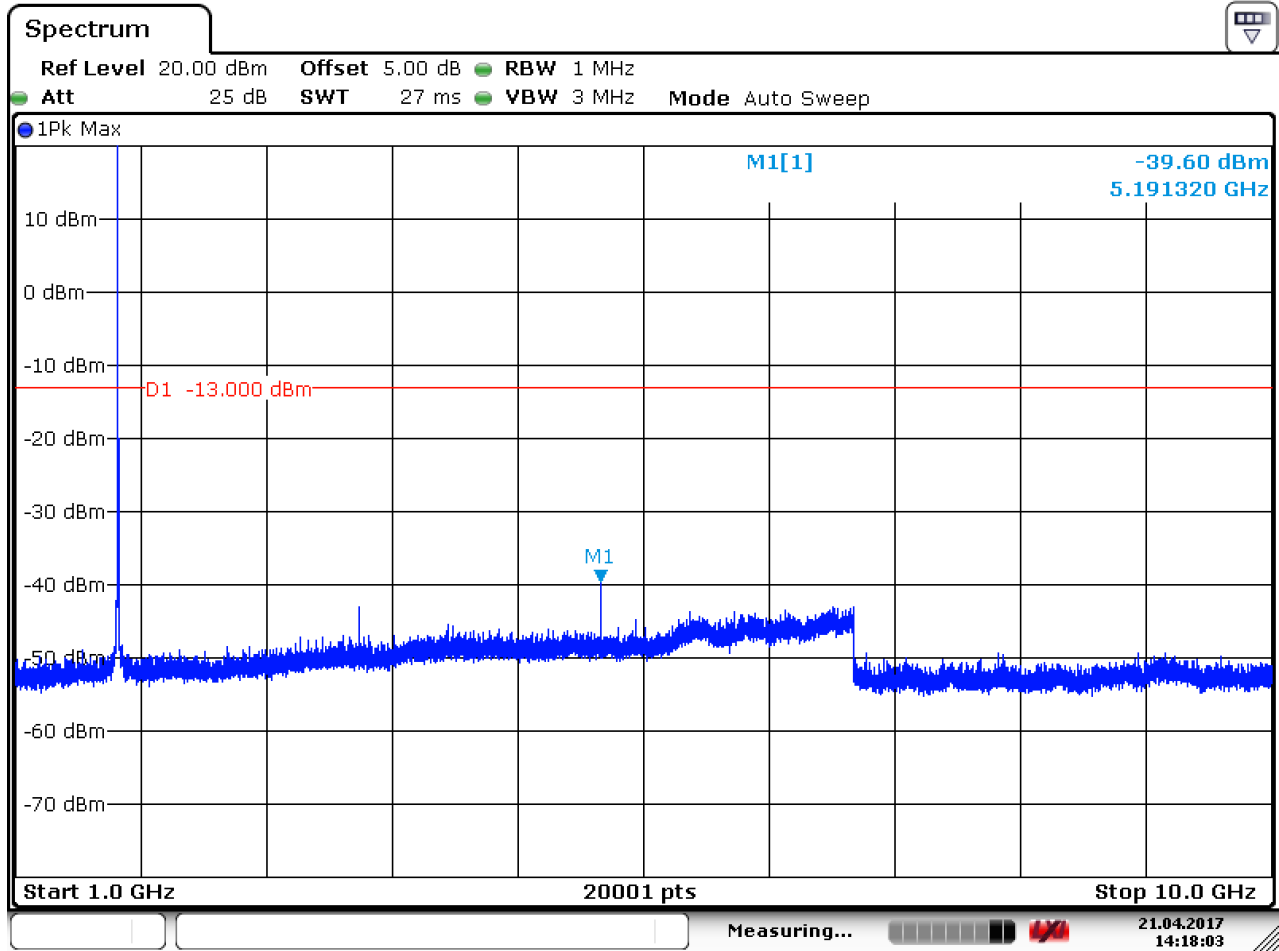
Date: 21.APR.2017 14:11:38



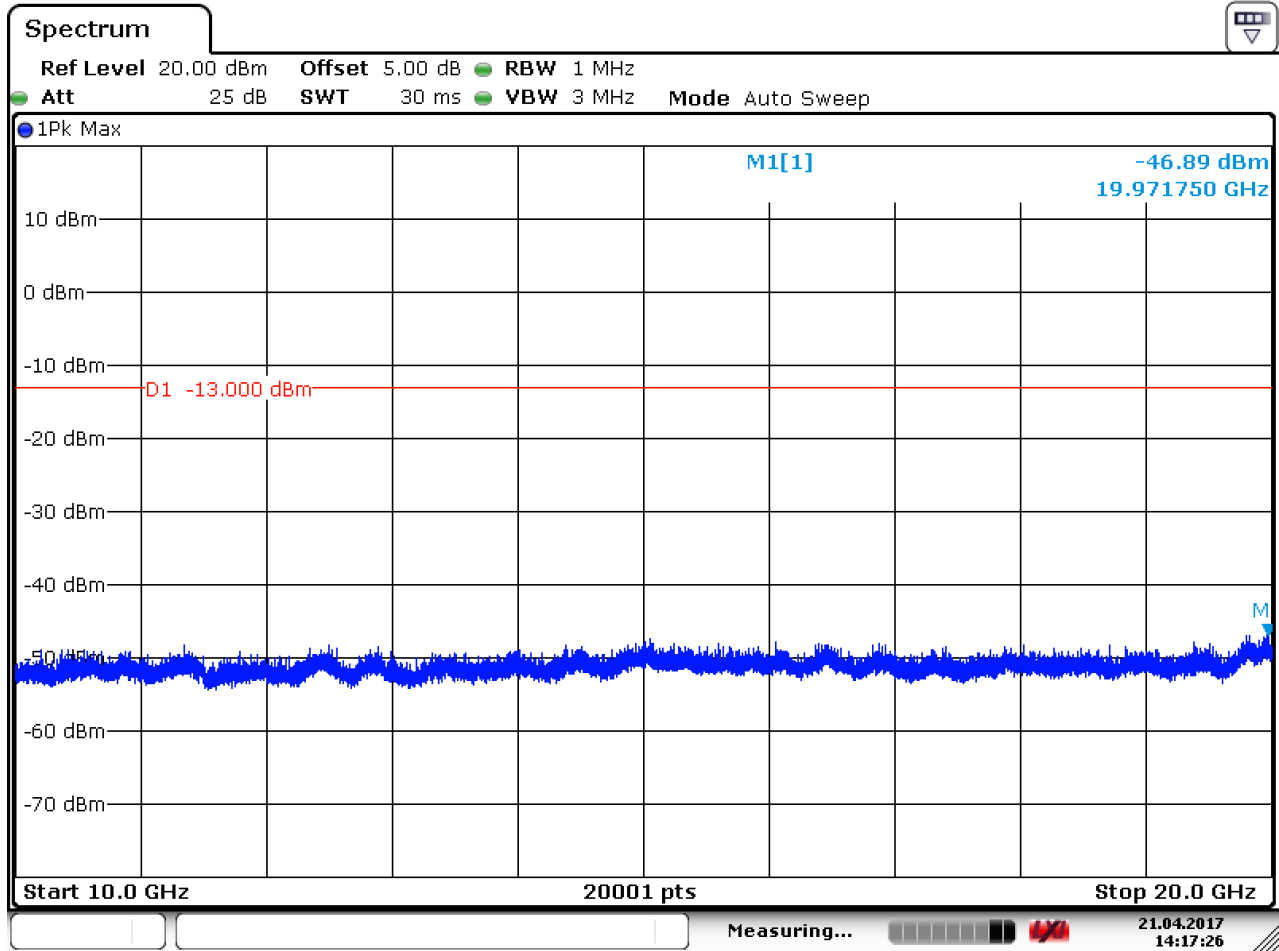
6.1.1.3.2 Test Channel = MCH



Date: 21.APR.2017 14:36:45



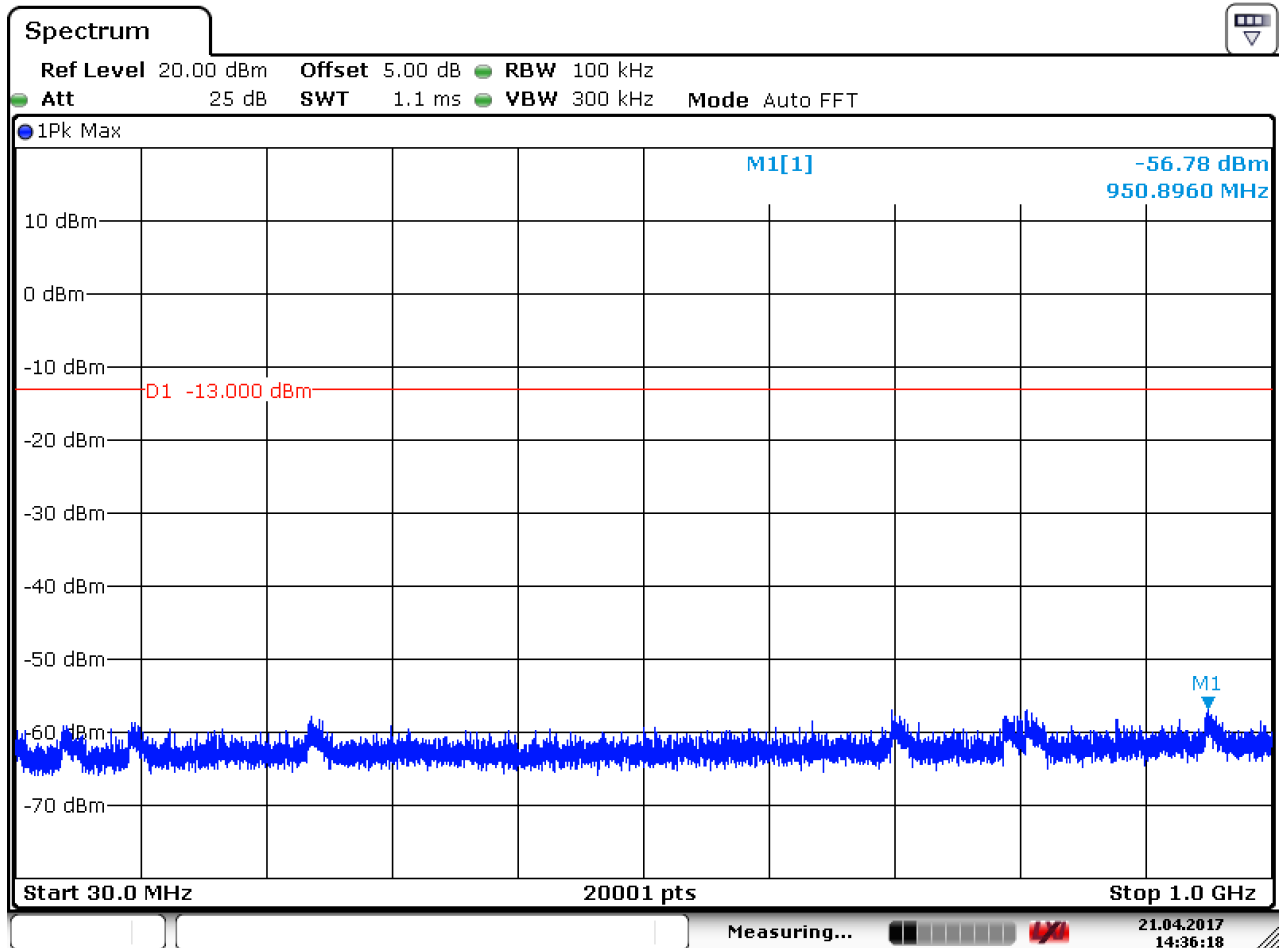
Date: 21.APR.2017 14:18:03



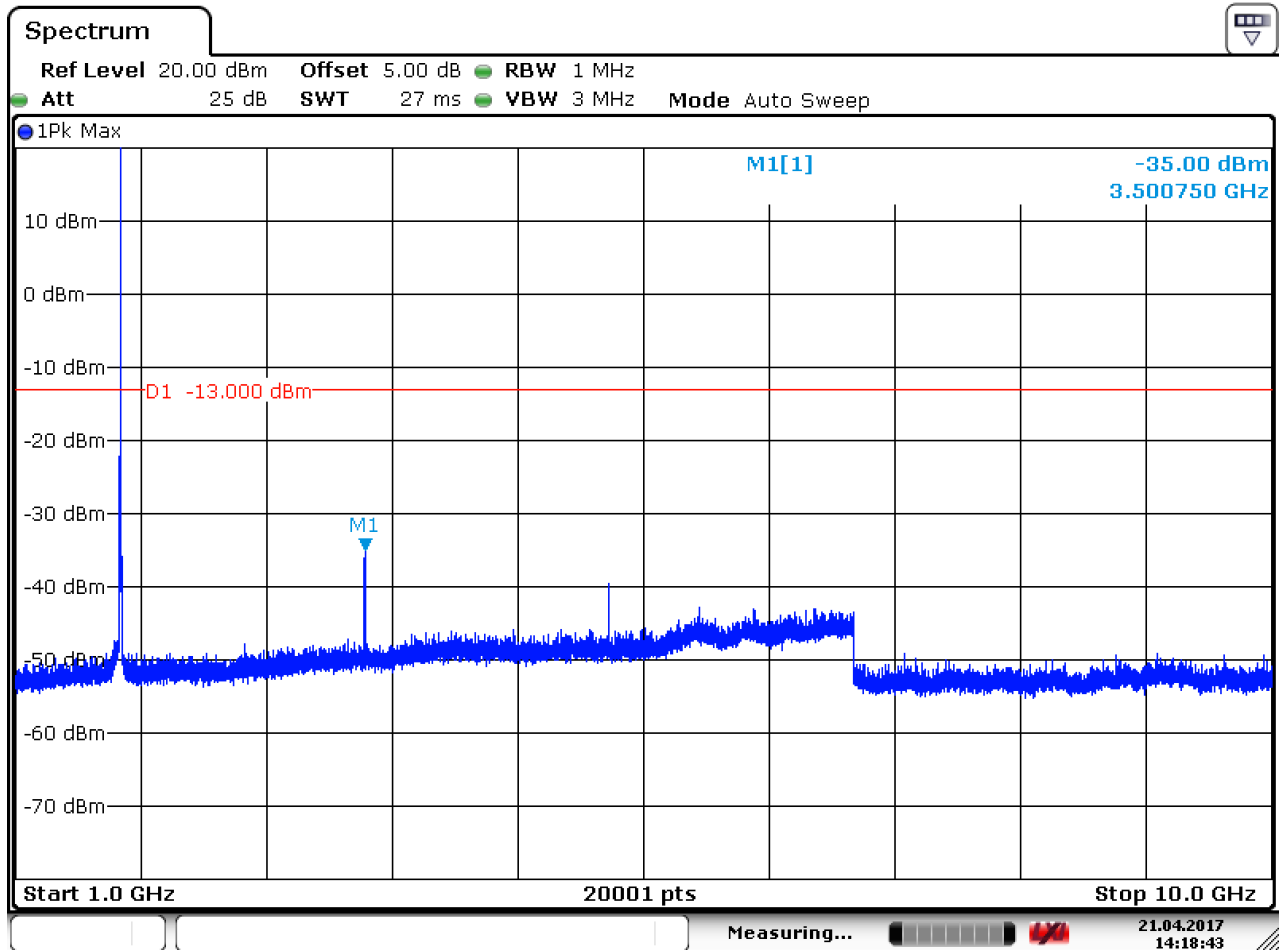
Date: 21.APR.2017 14:17:26



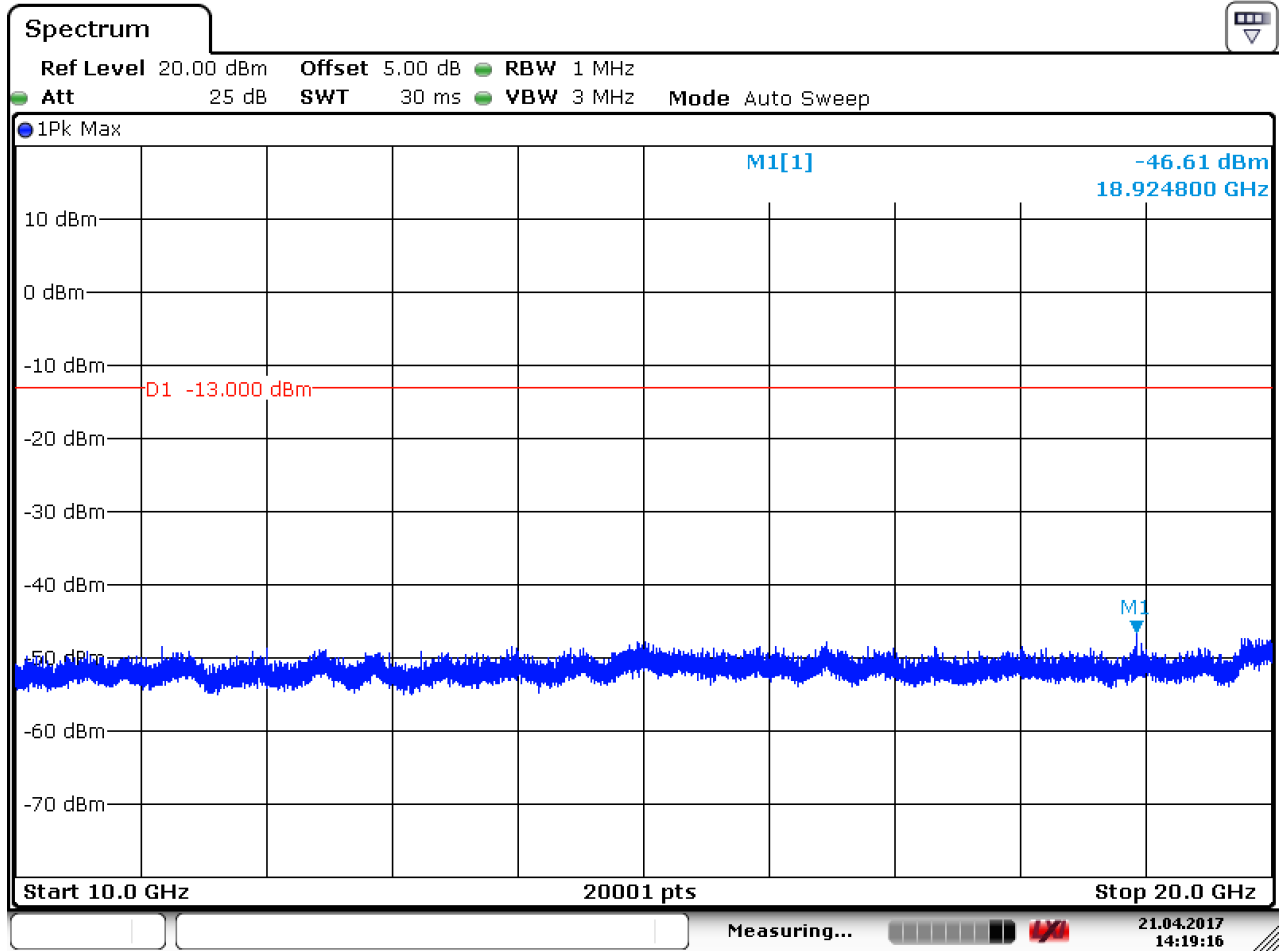
6.1.1.3.3 Test Channel = HCH



Date: 21.APR.2017 14:36:18



Date: 21.APR.2017 14:18:44

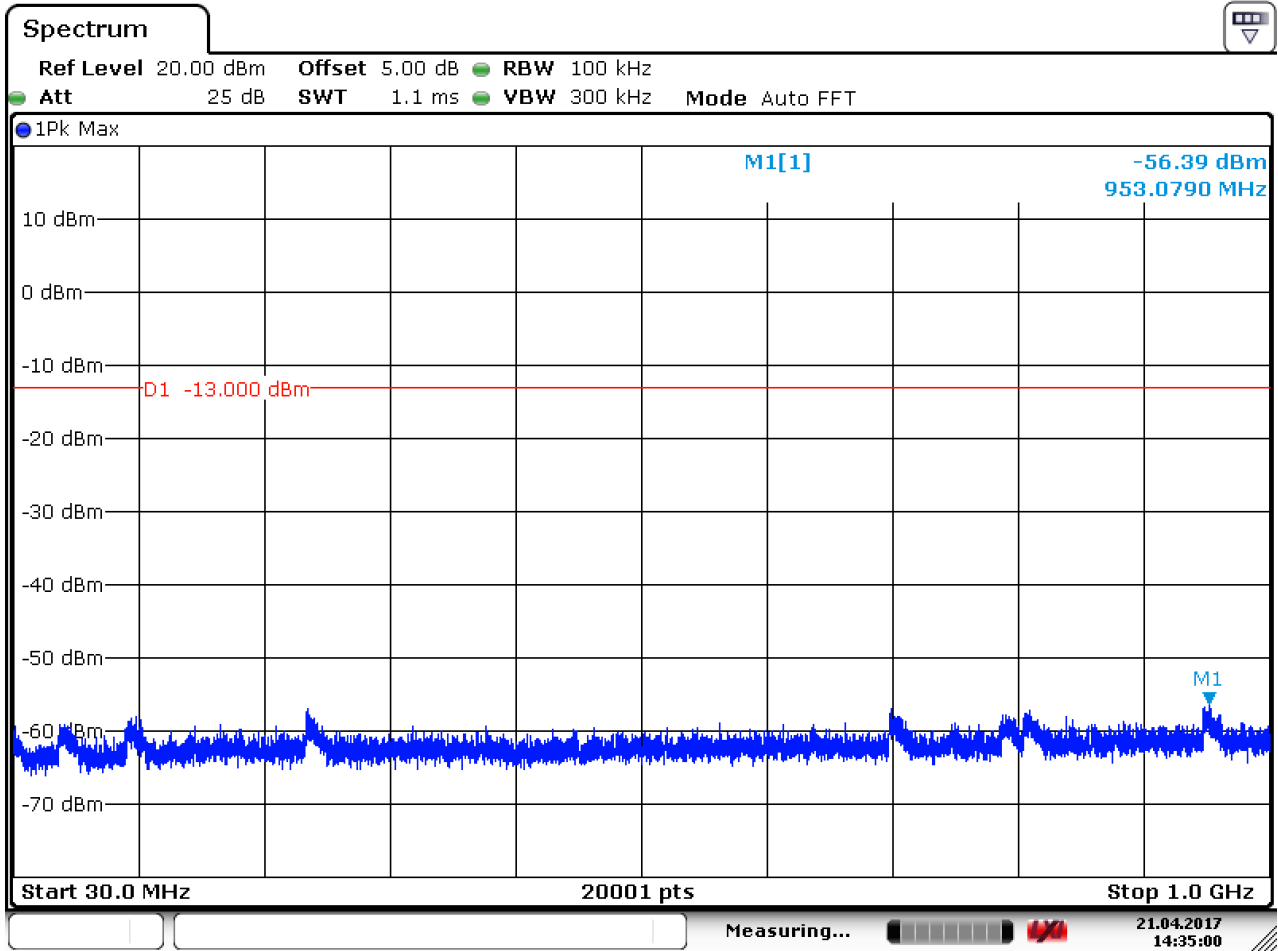


Date: 21.APR.2017 14:19:16

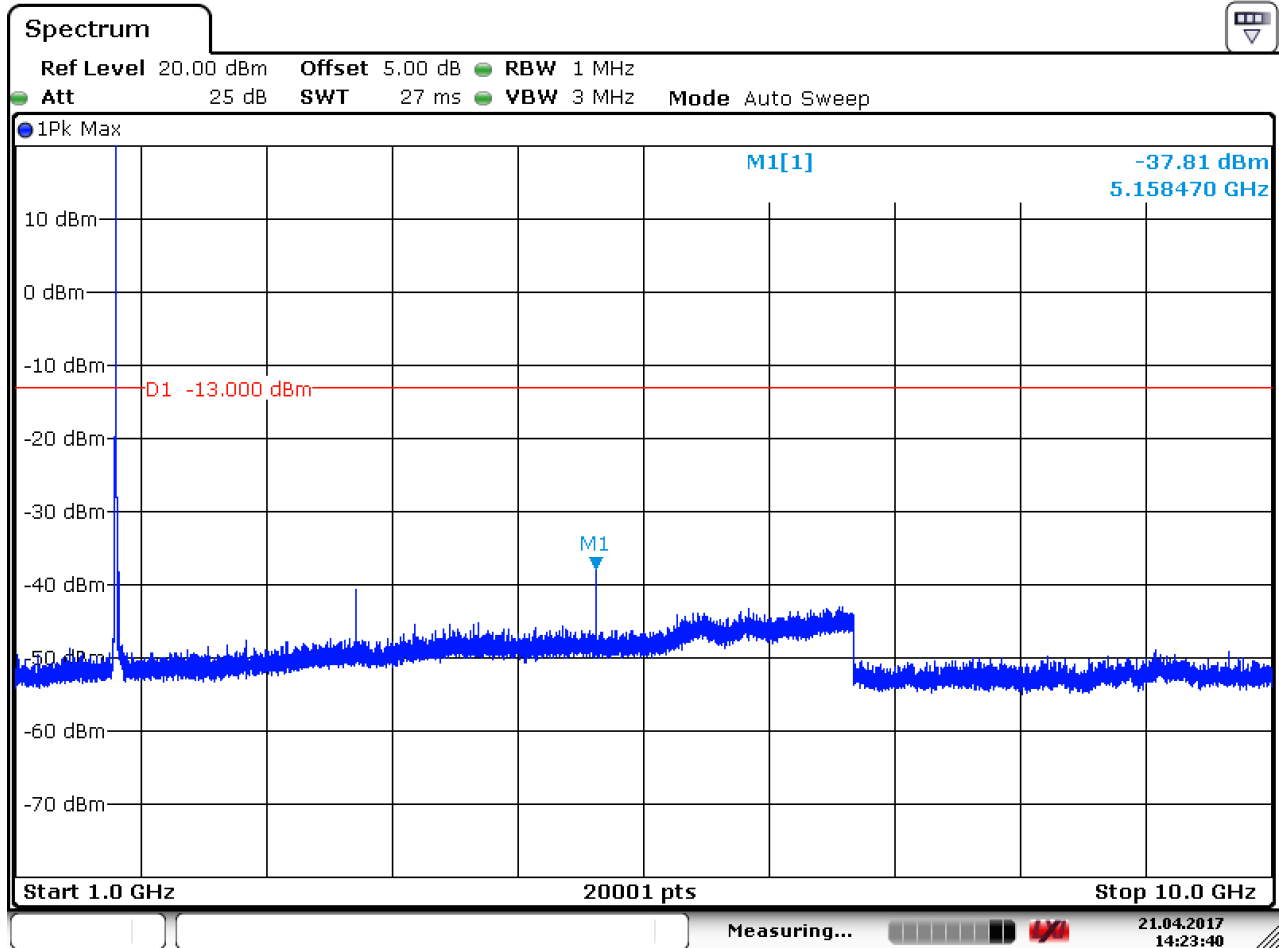


6.1.1.4 Test Mode = LTE / TM1 10MHz RB1#0

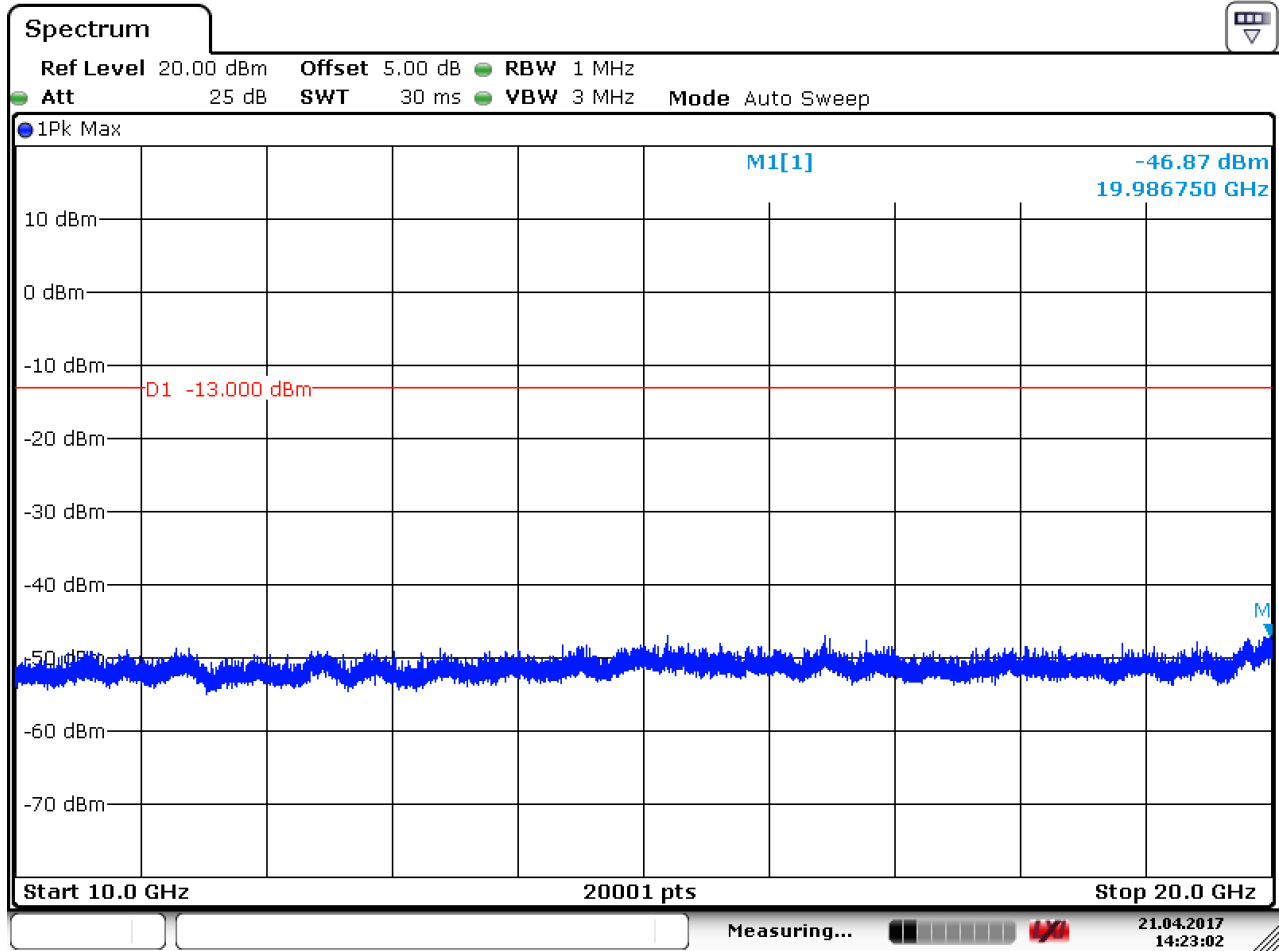
6.1.1.4.1 Test Channel = LCH



Date: 21.APR.2017 14:35:00



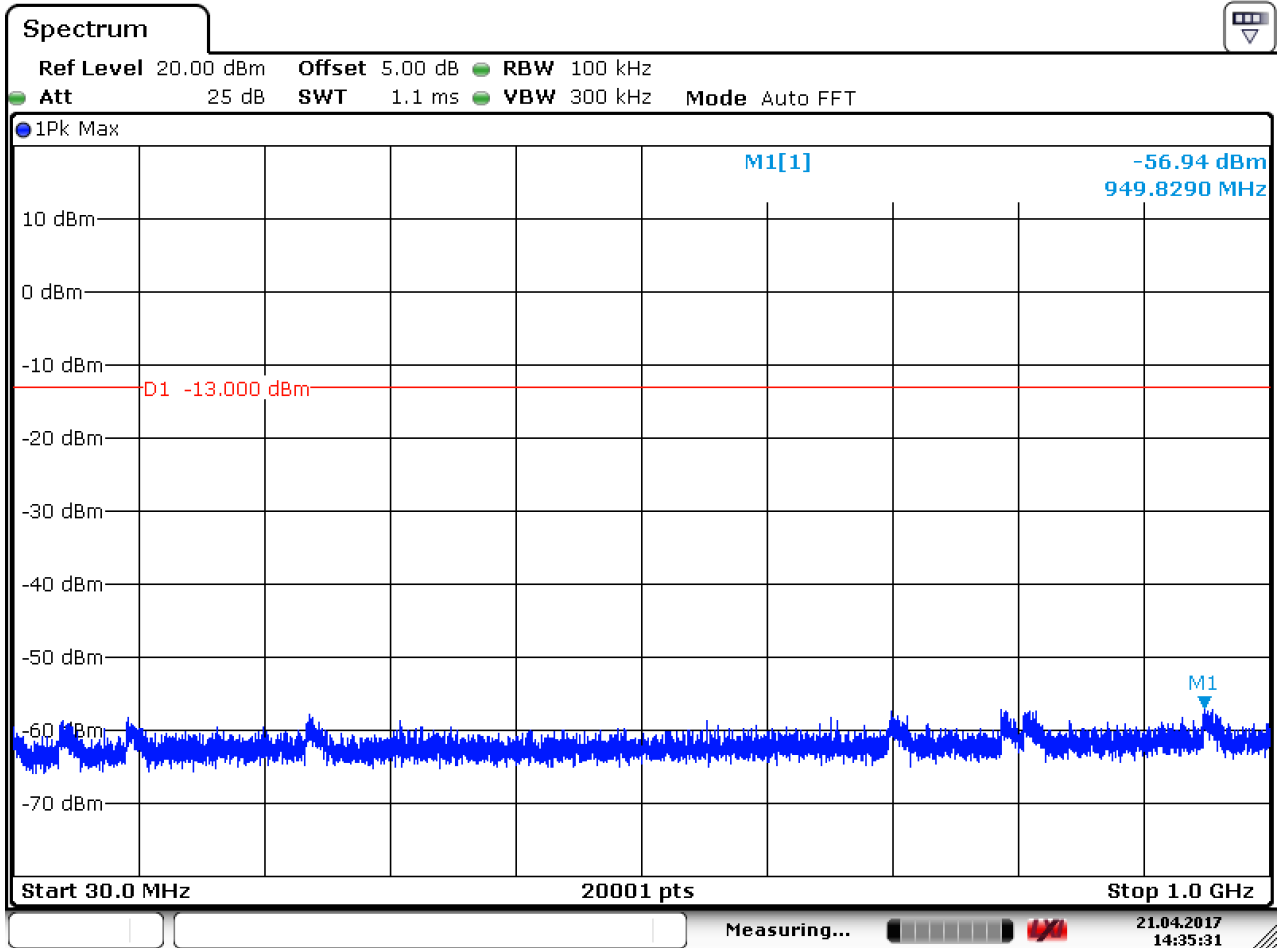
Date: 21.APR.2017 14:23:40



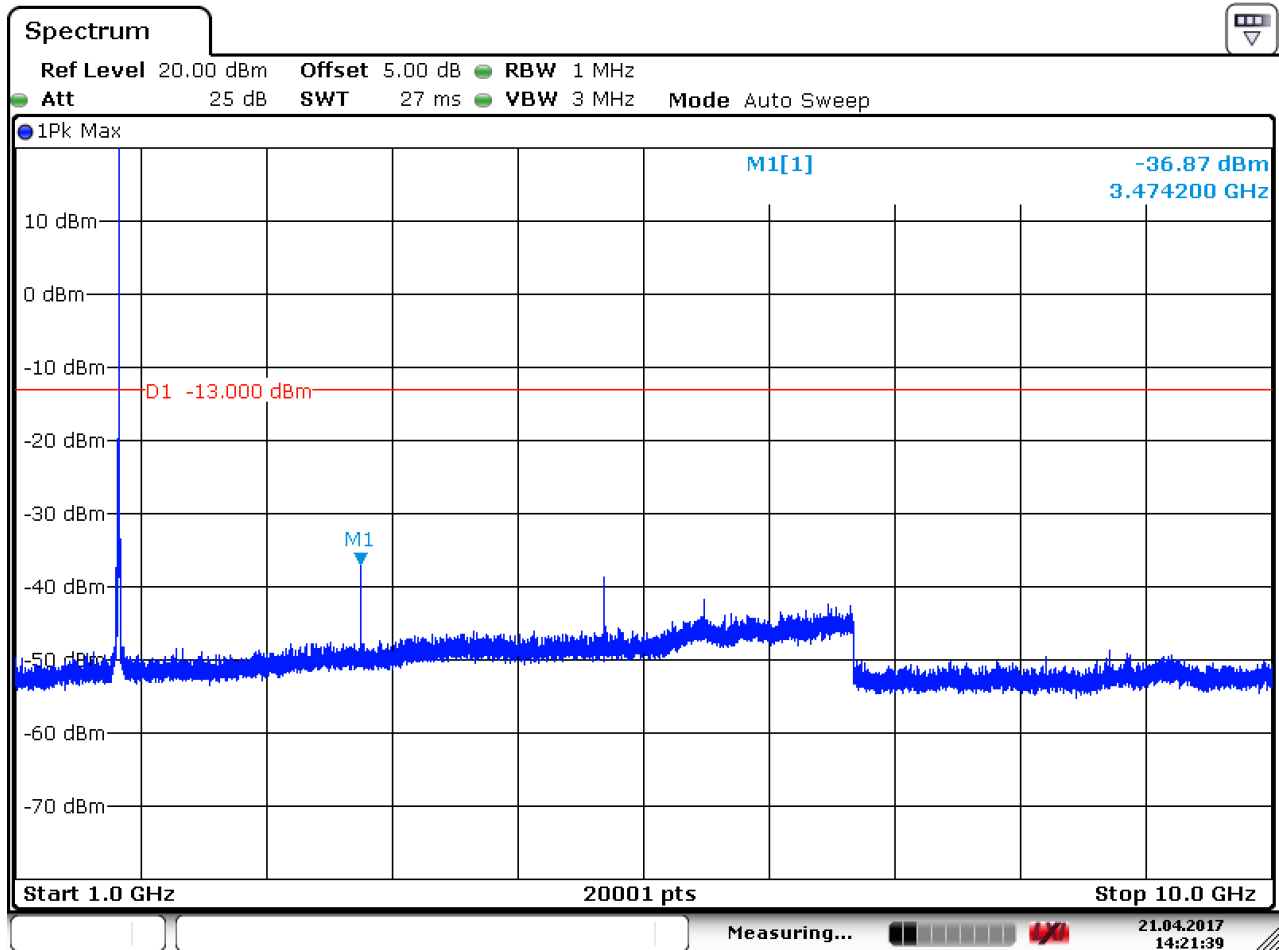
Date: 21.APR.2017 14:23:02



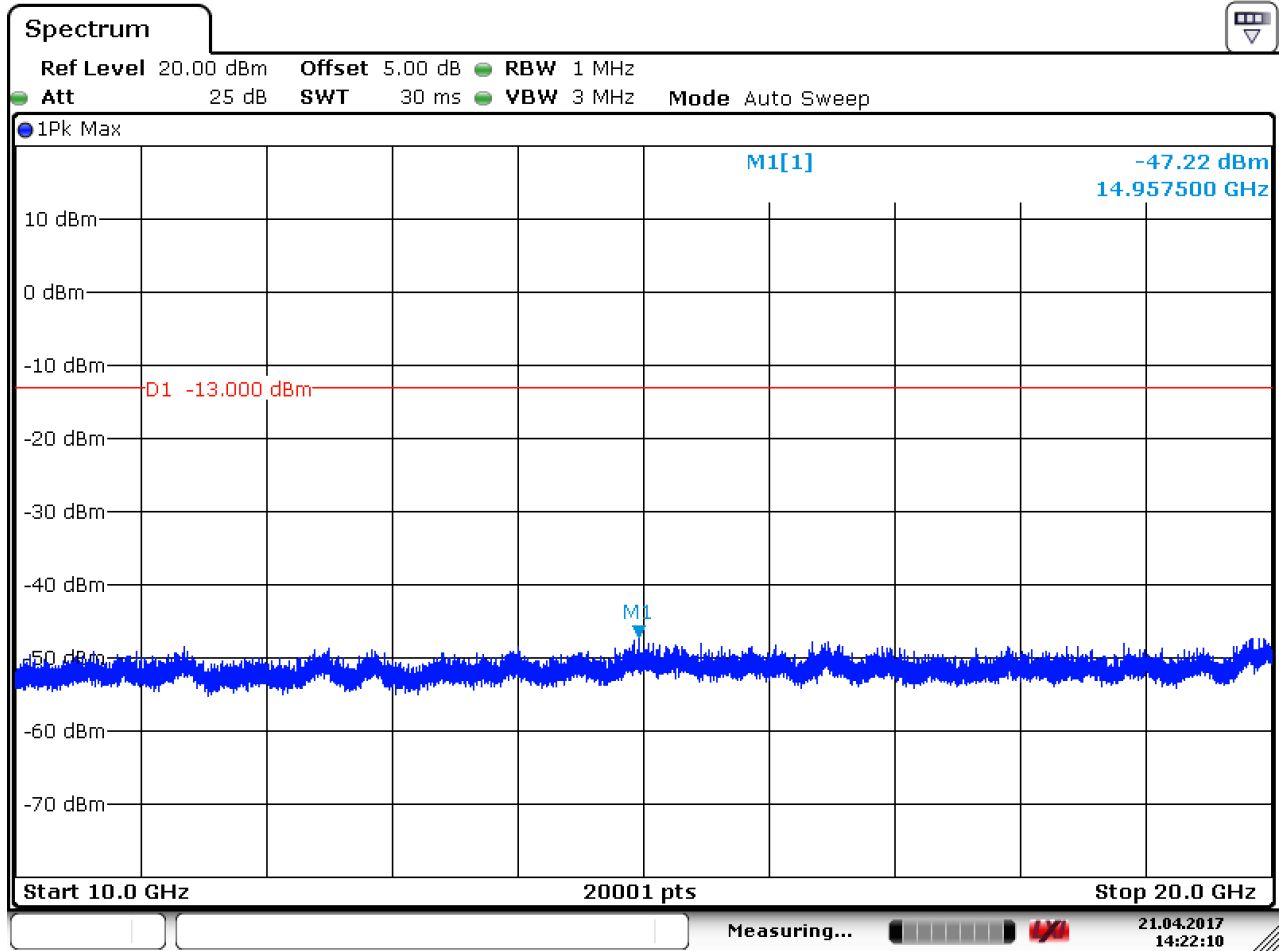
6.1.1.4.2 Test Channel = MCH



Date: 21.APR.2017 14:35:32



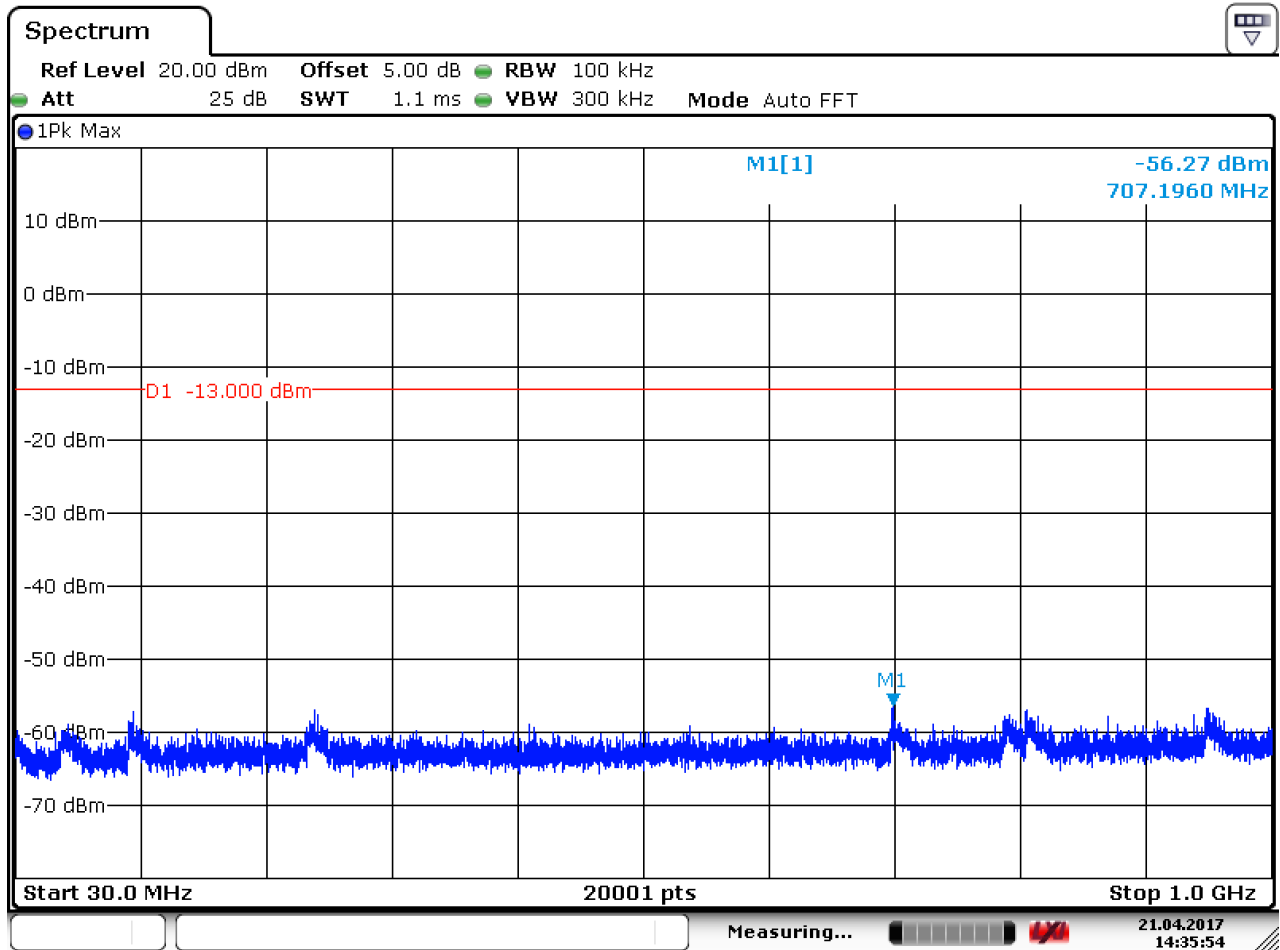
Date: 21.APR.2017 14:21:40



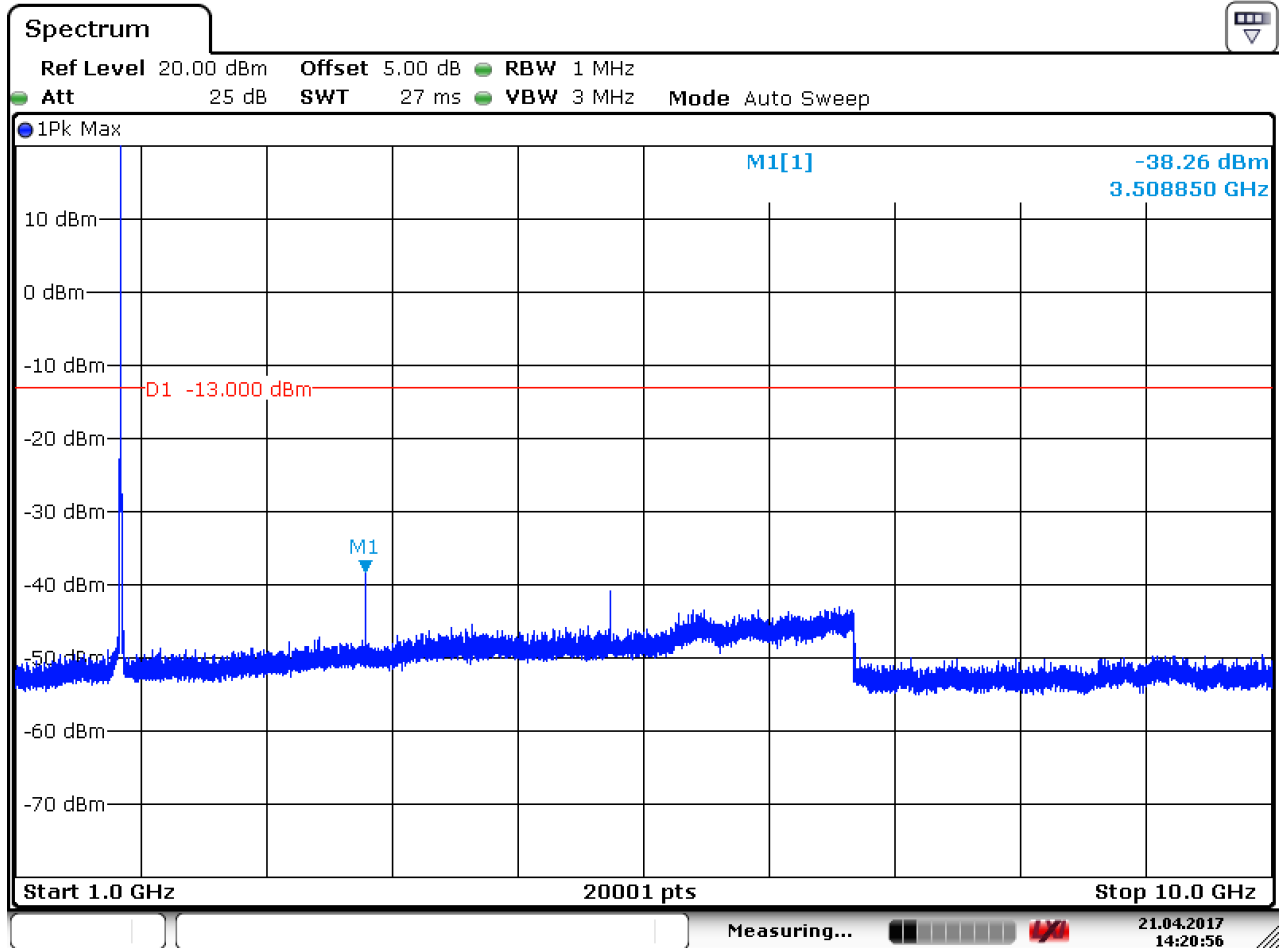
Date: 21.APR.2017 14:22:10



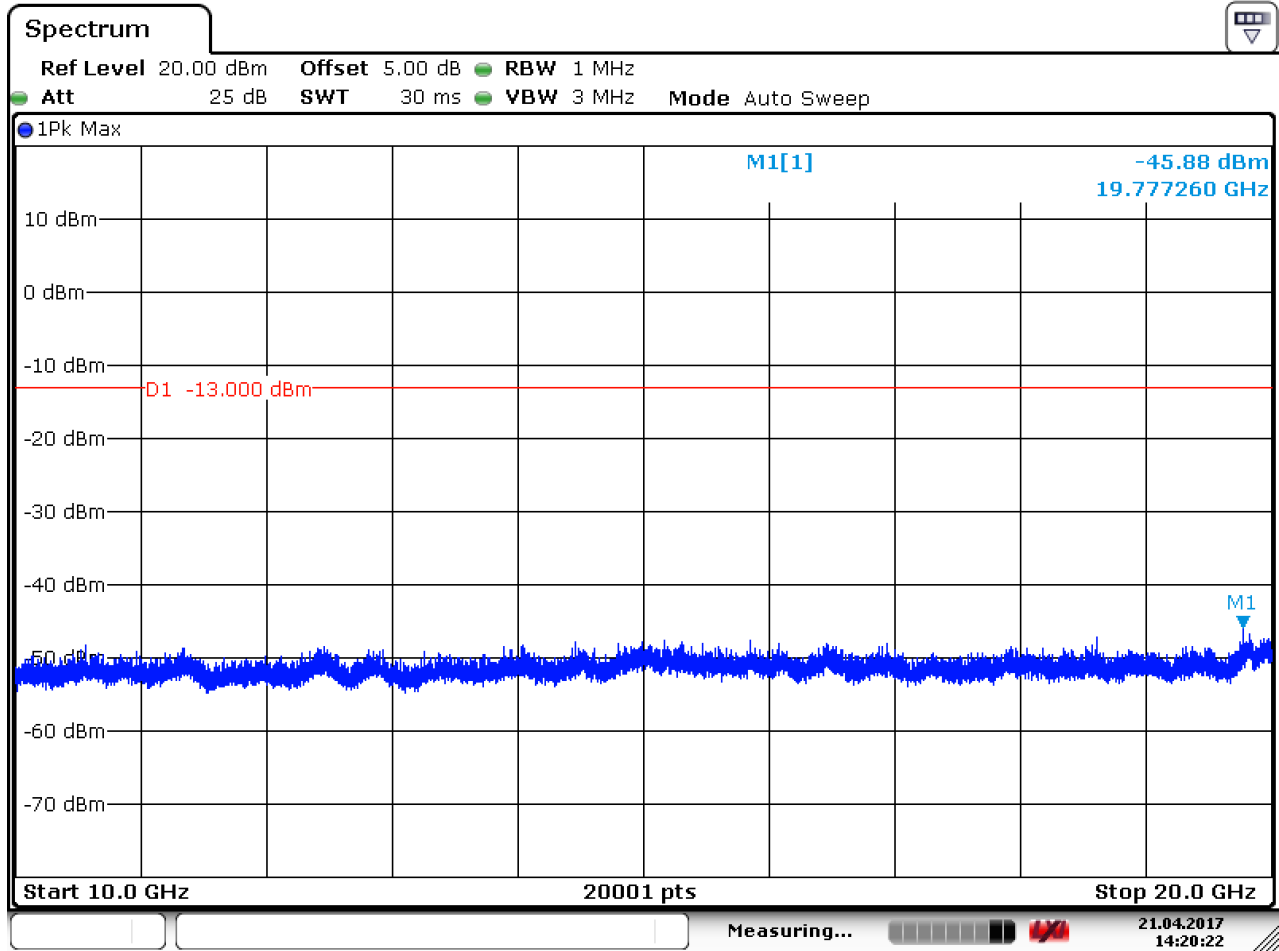
6.1.1.4.3 Test Channel = HCH



Date: 21.APR.2017 14:35:54



Date: 21.APR.2017 14:20:57

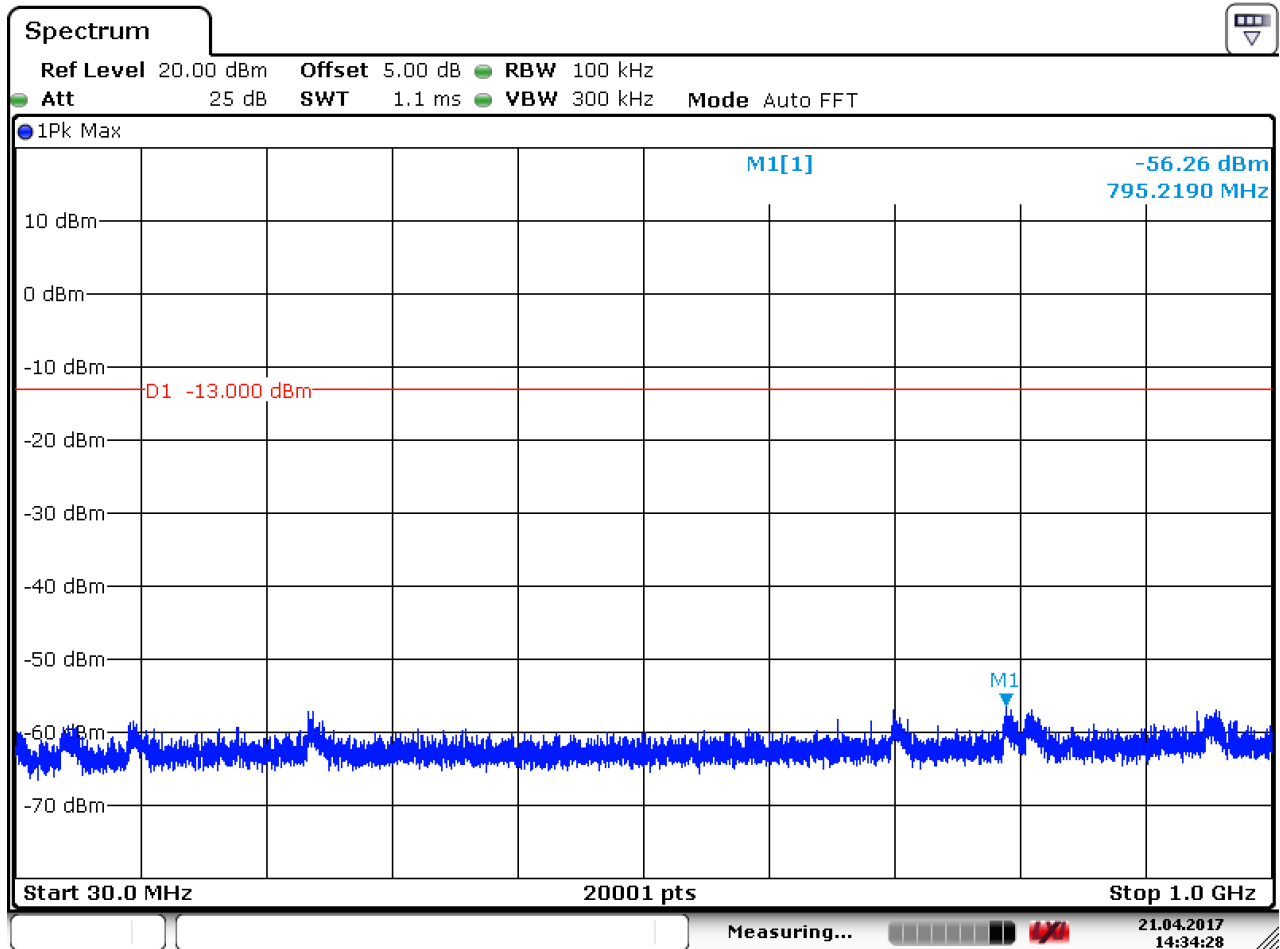


Date: 21.APR.2017 14:20:22

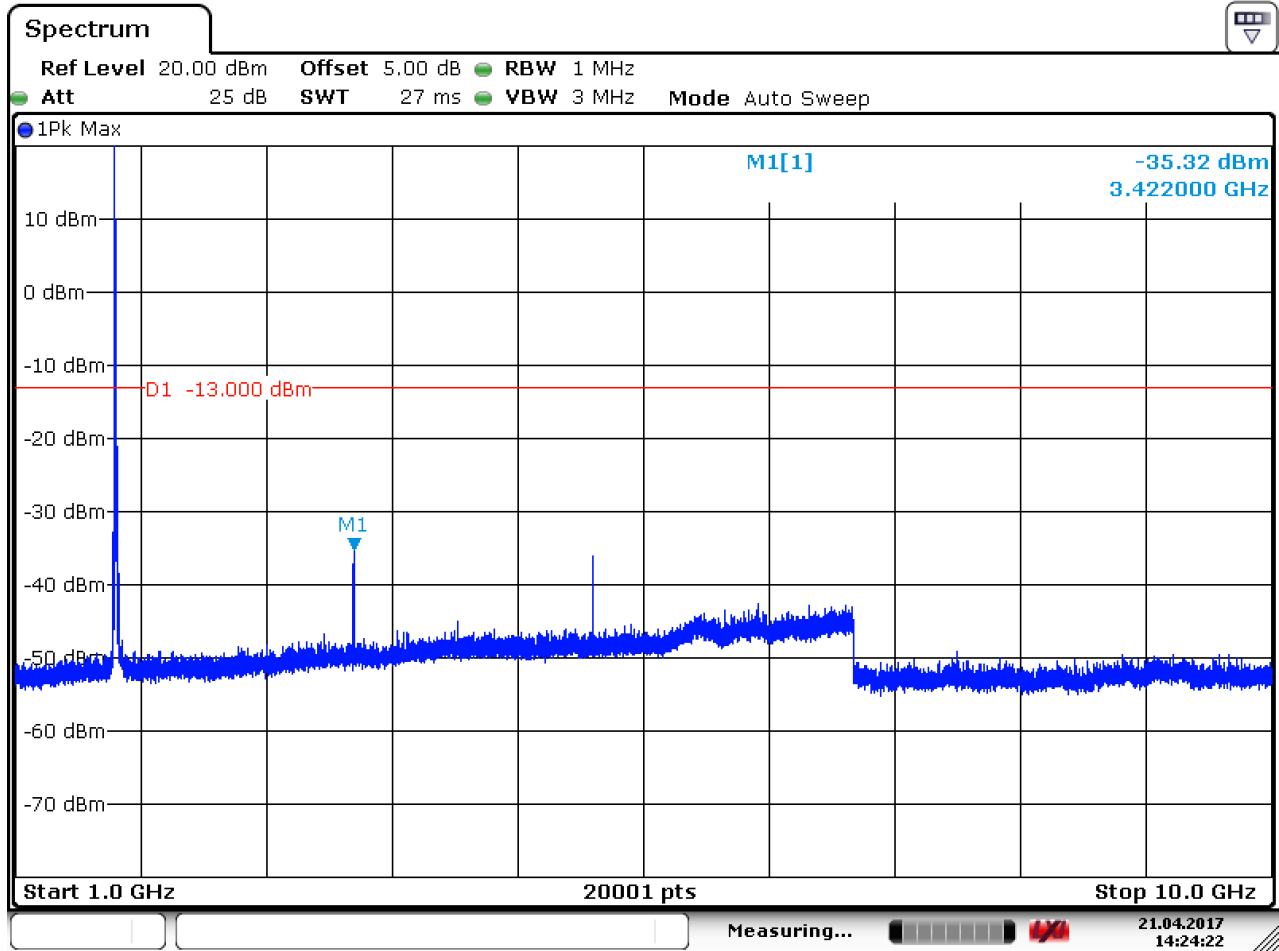


6.1.1.5 Test Mode = LTE / TM1 15MHz RB1#0

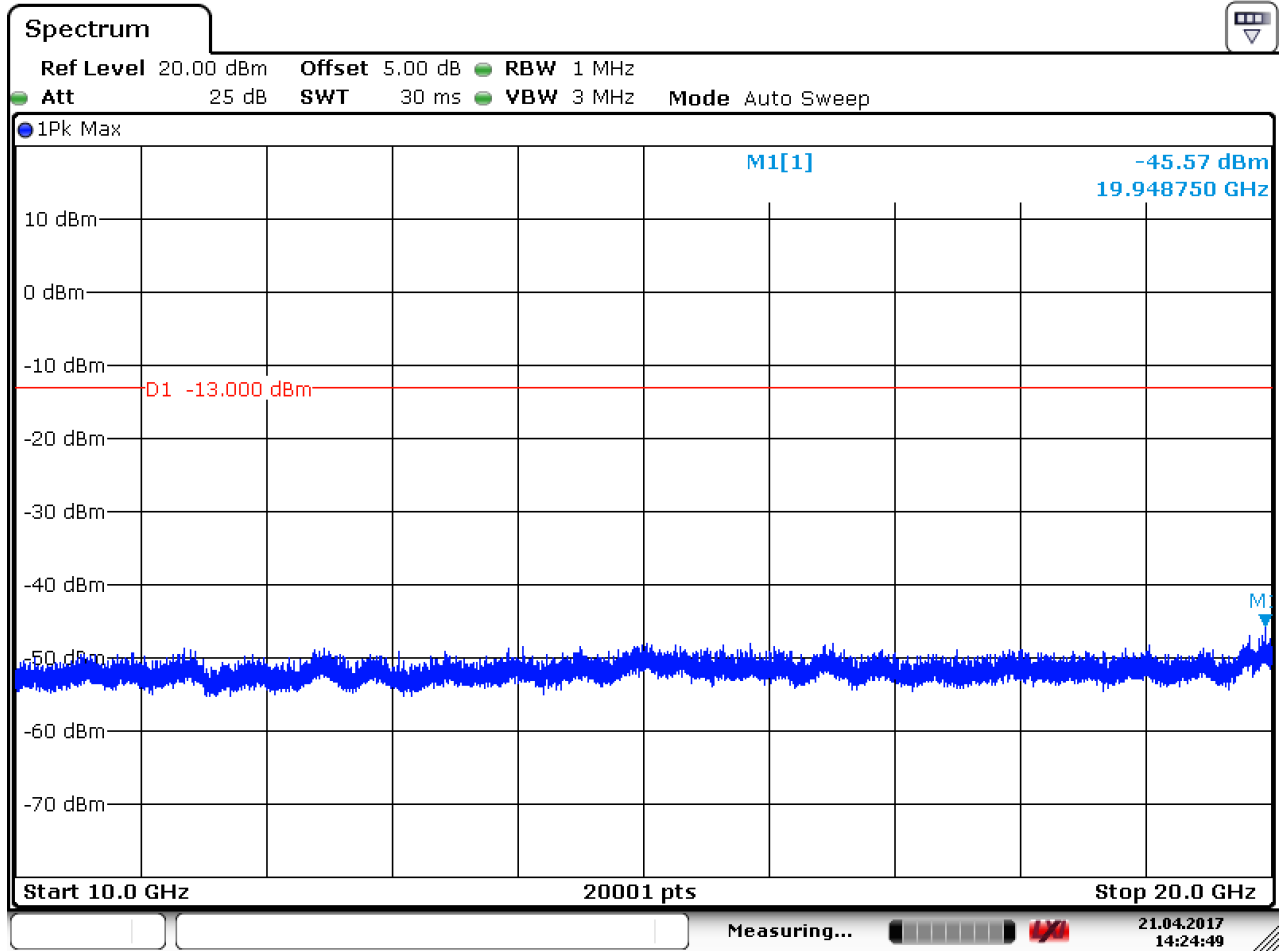
6.1.1.5.1 Test Channel = LCH



Date: 21.APR.2017 14:34:29



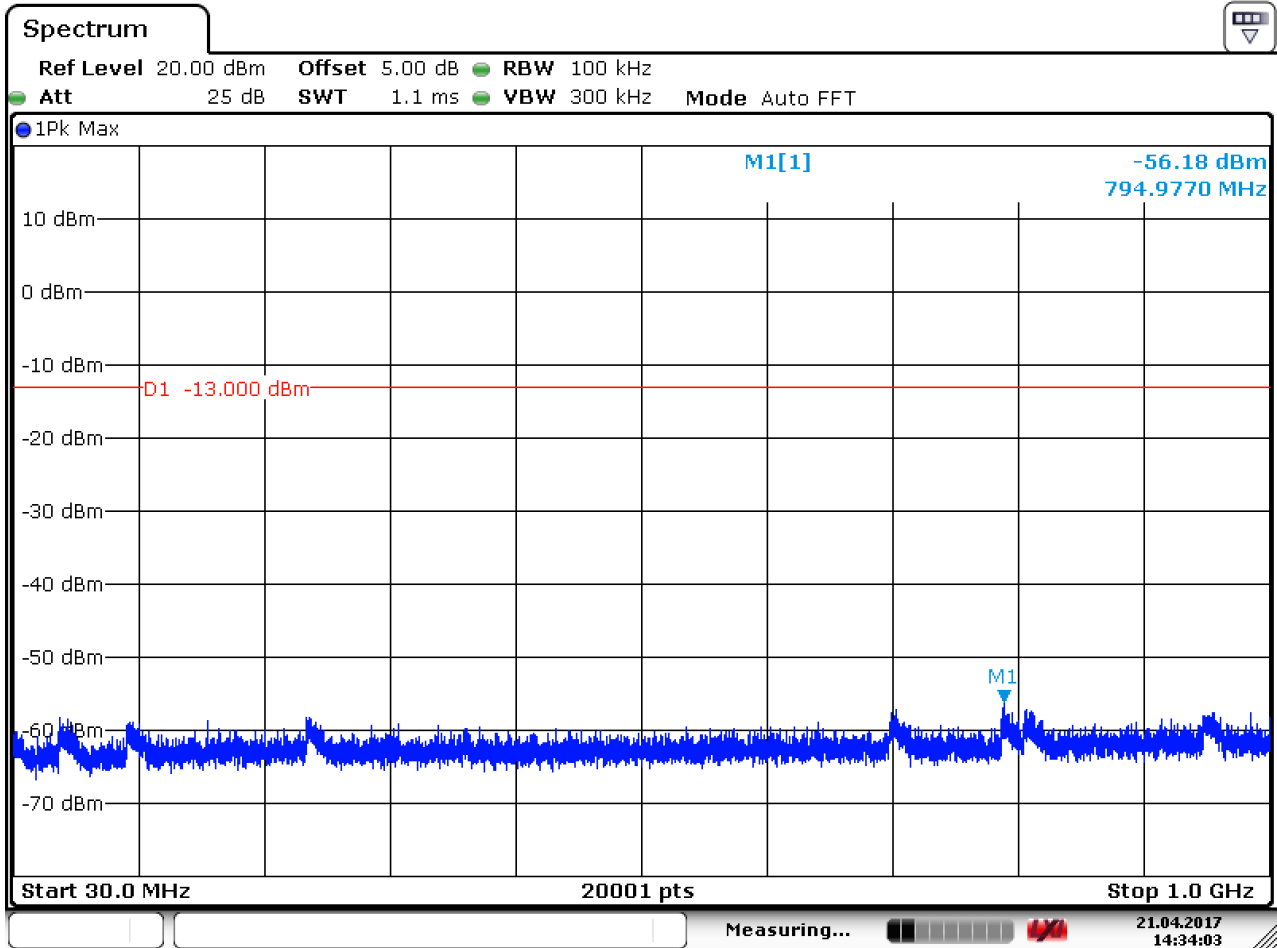
Date: 21.APR.2017 14:24:22



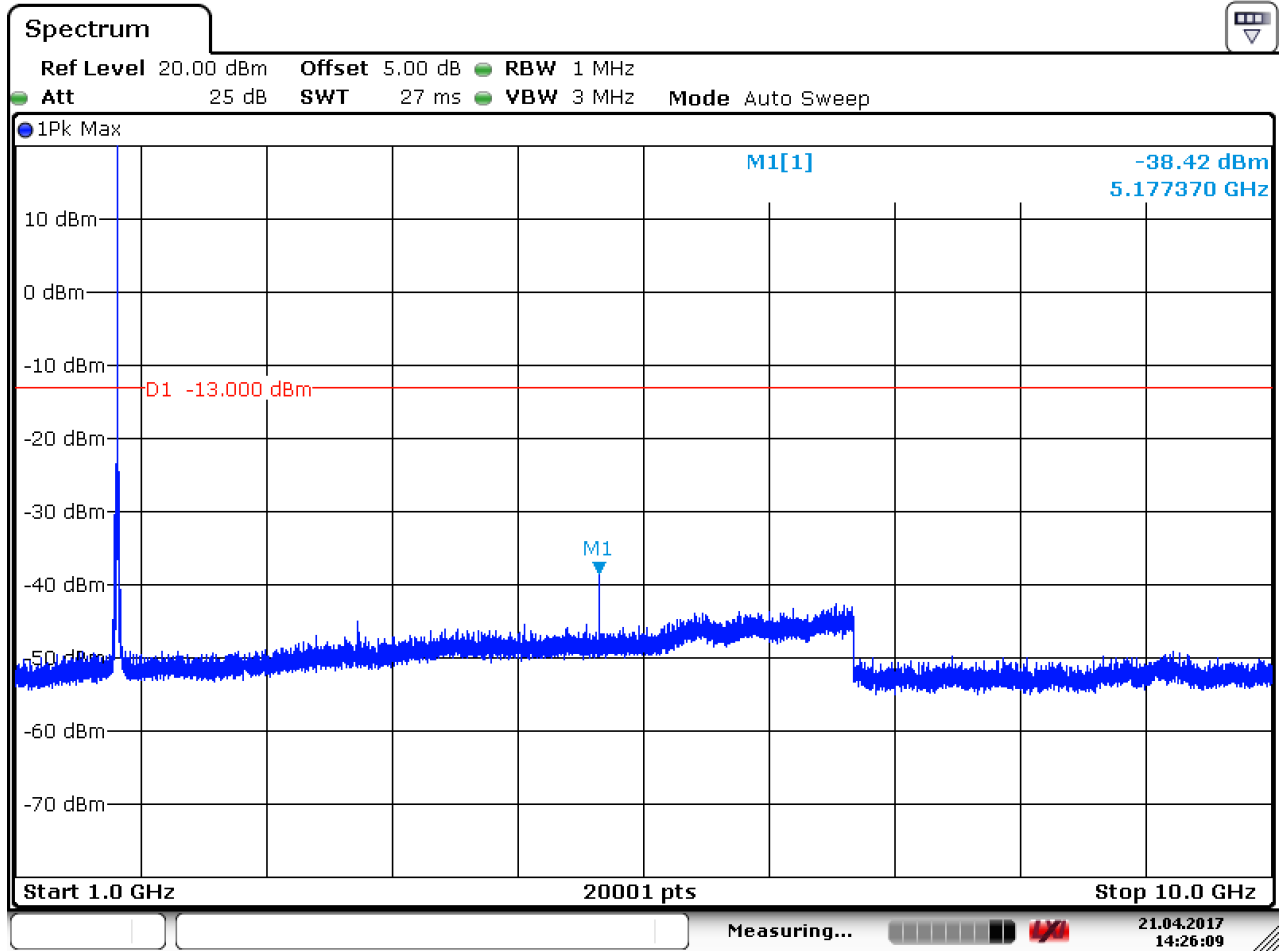
Date: 21.APR.2017 14:24:49



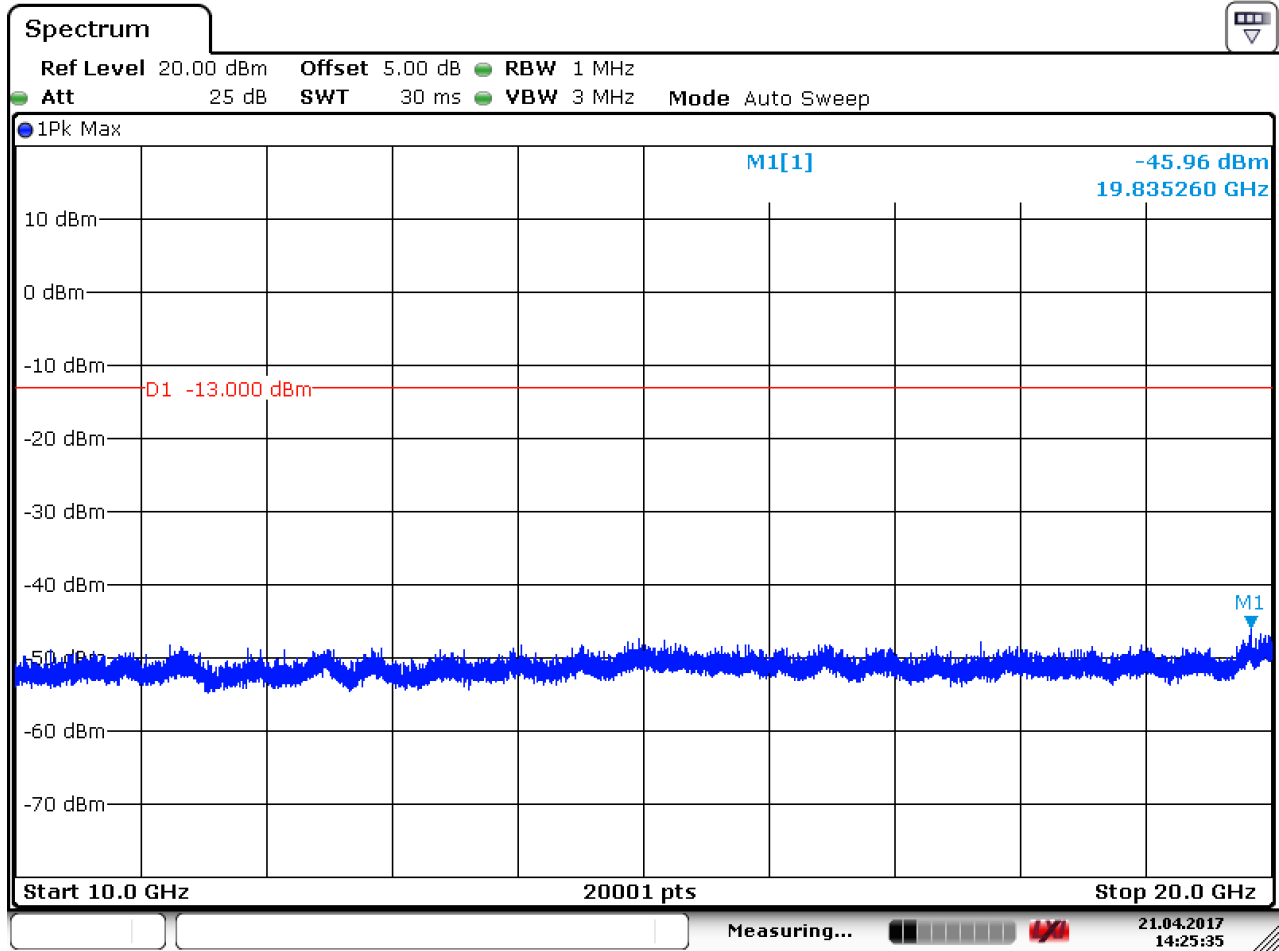
6.1.1.5.2 Test Channel = MCH



Date: 21.APR.2017 14:34:04



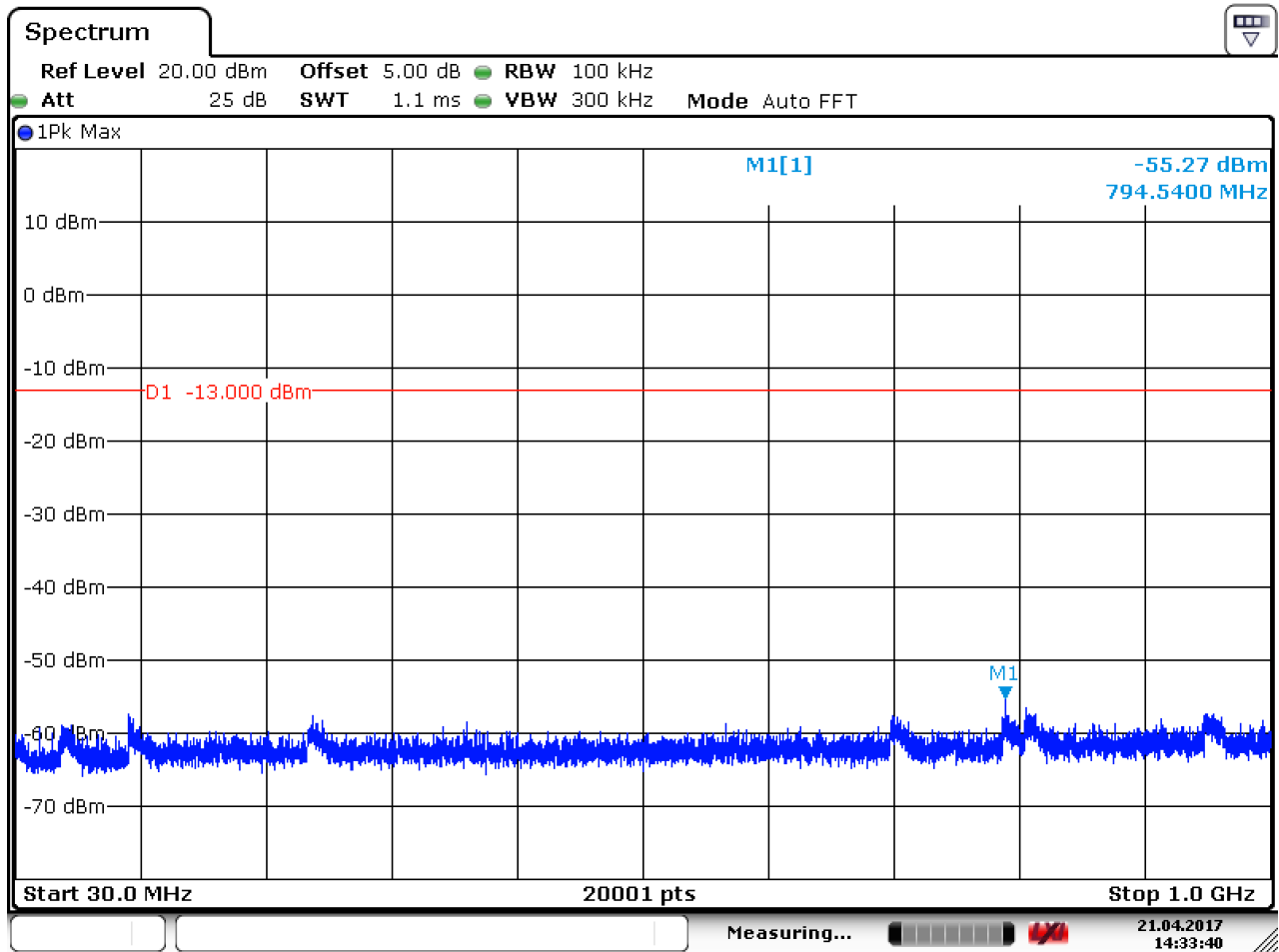
Date: 21.APR.2017 14:26:10



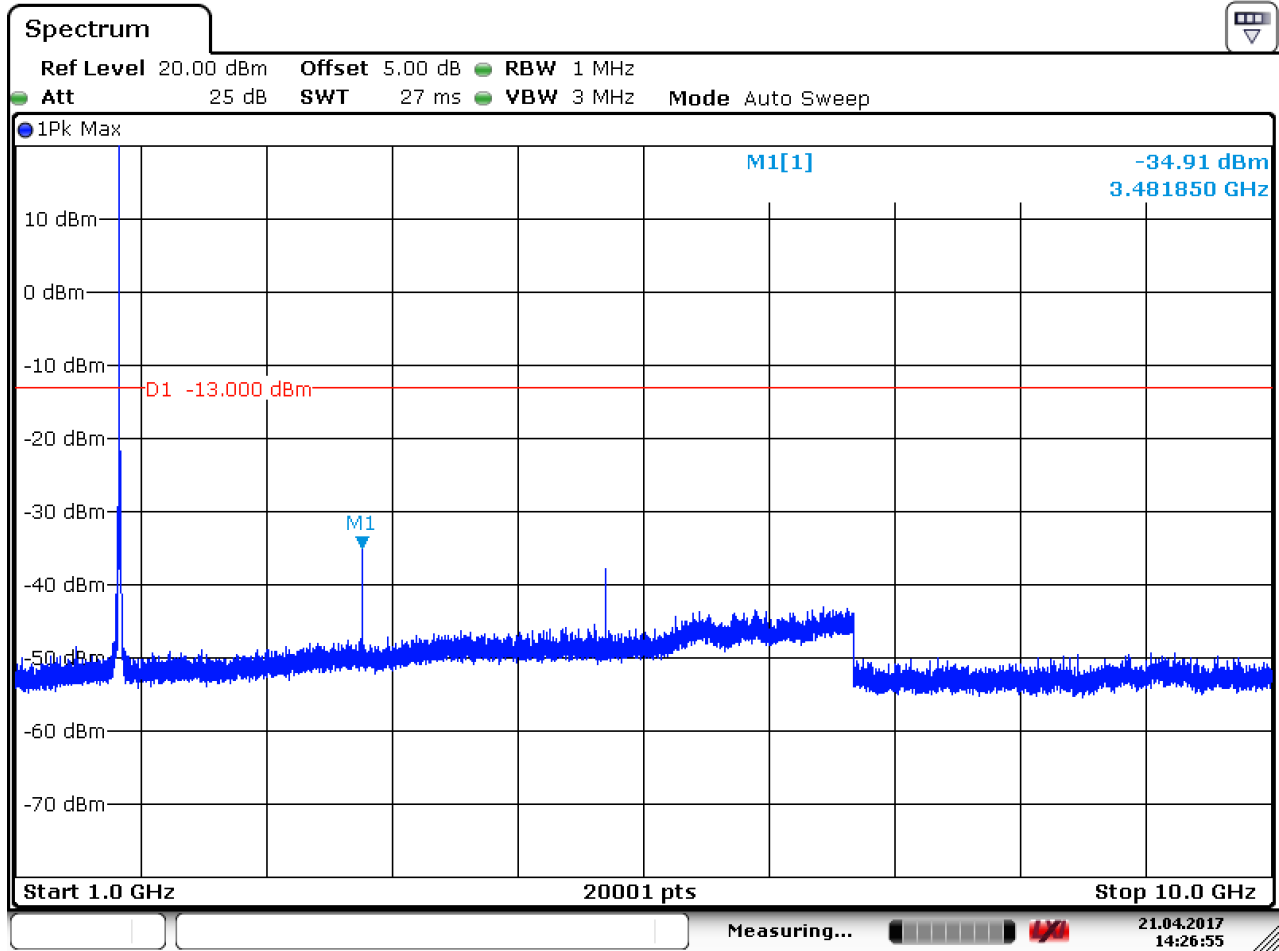
Date: 21.APR.2017 14:25:35



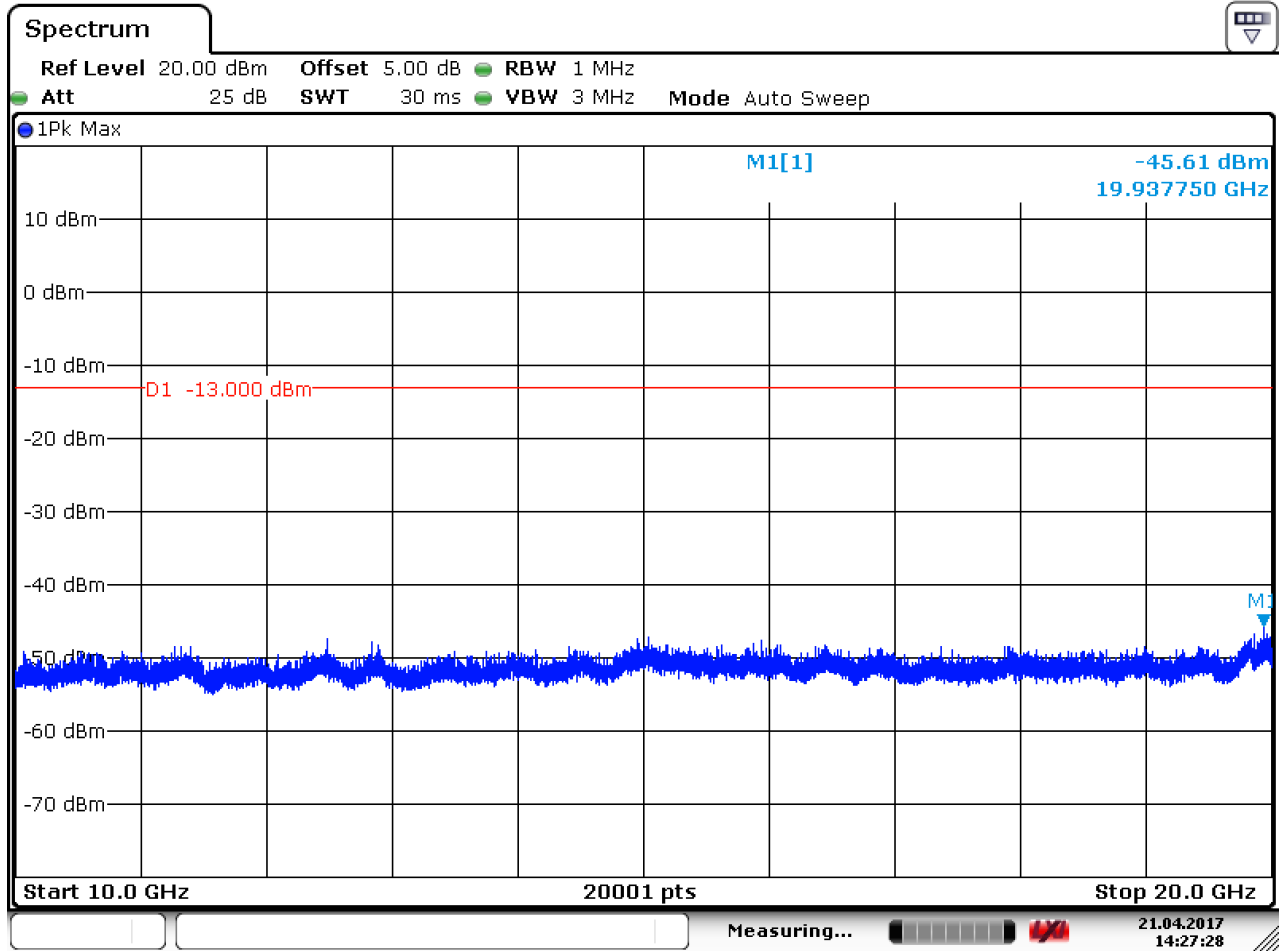
6.1.1.5.3 Test Channel = HCH



Date: 21.APR.2017 14:33:40



Date: 21.APR.2017 14:26:56

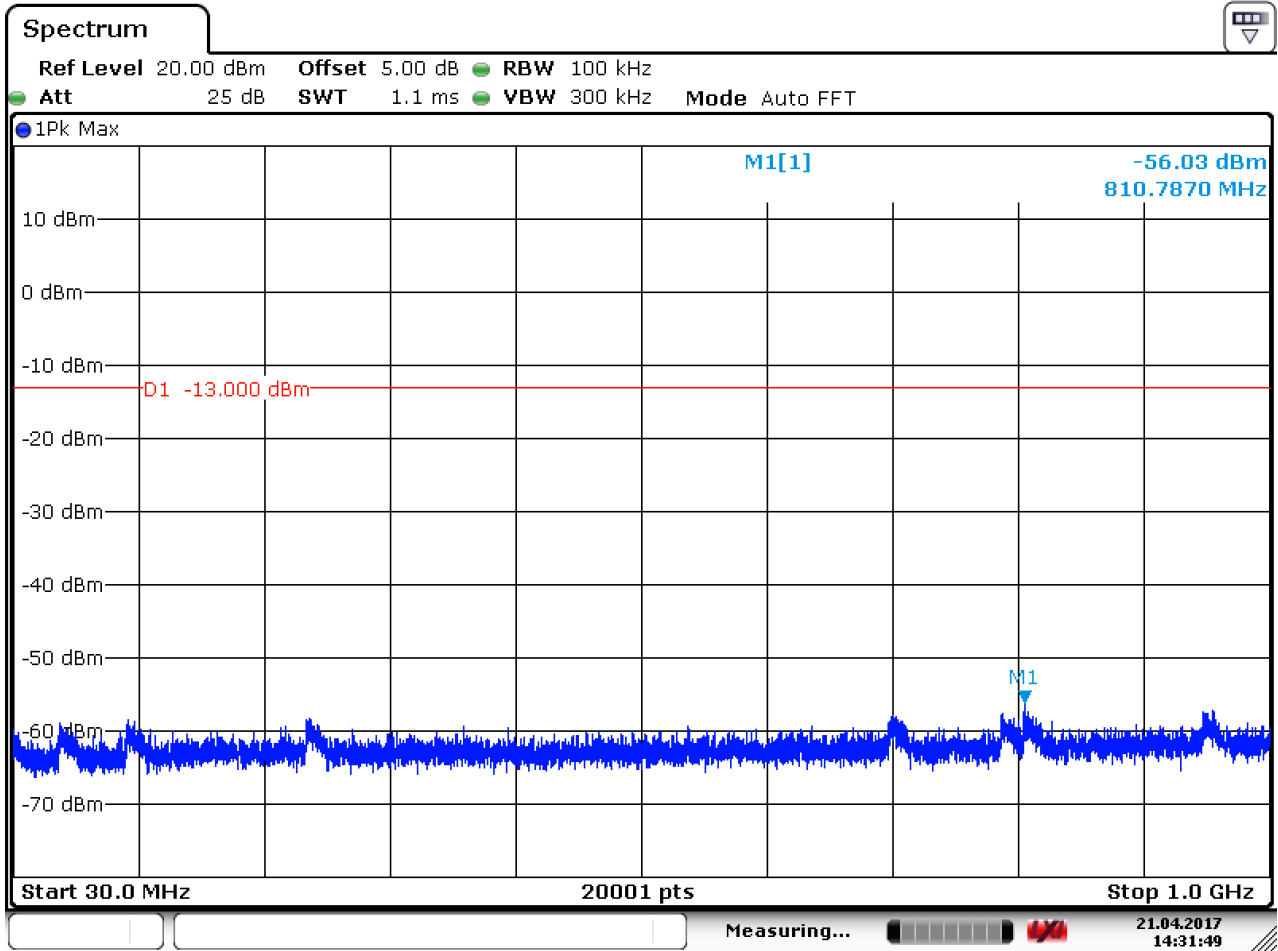


Date: 21.APR.2017 14:27:28

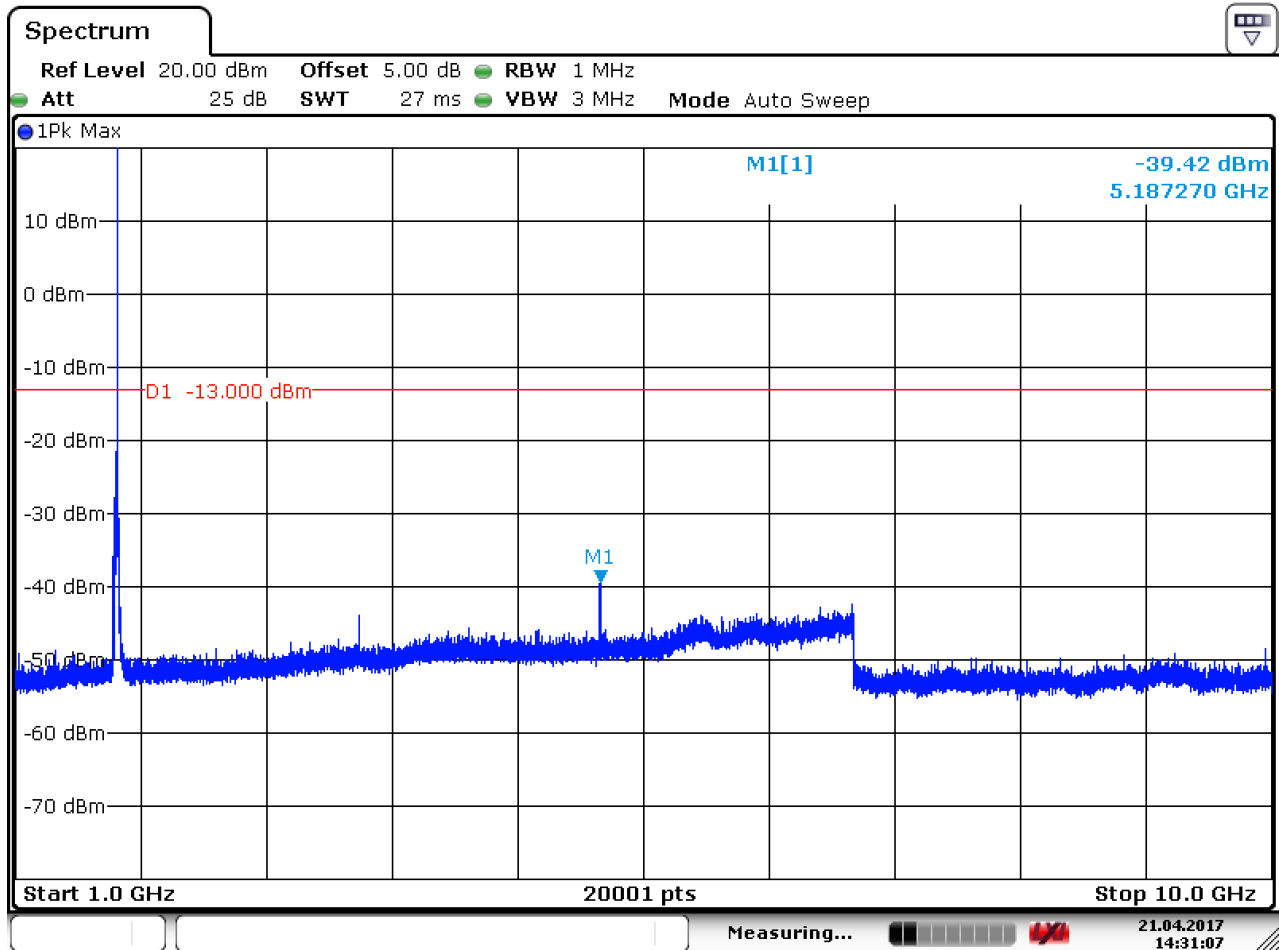


6.1.1.6 Test Mode = LTE / TM1 20MHz RB1#0

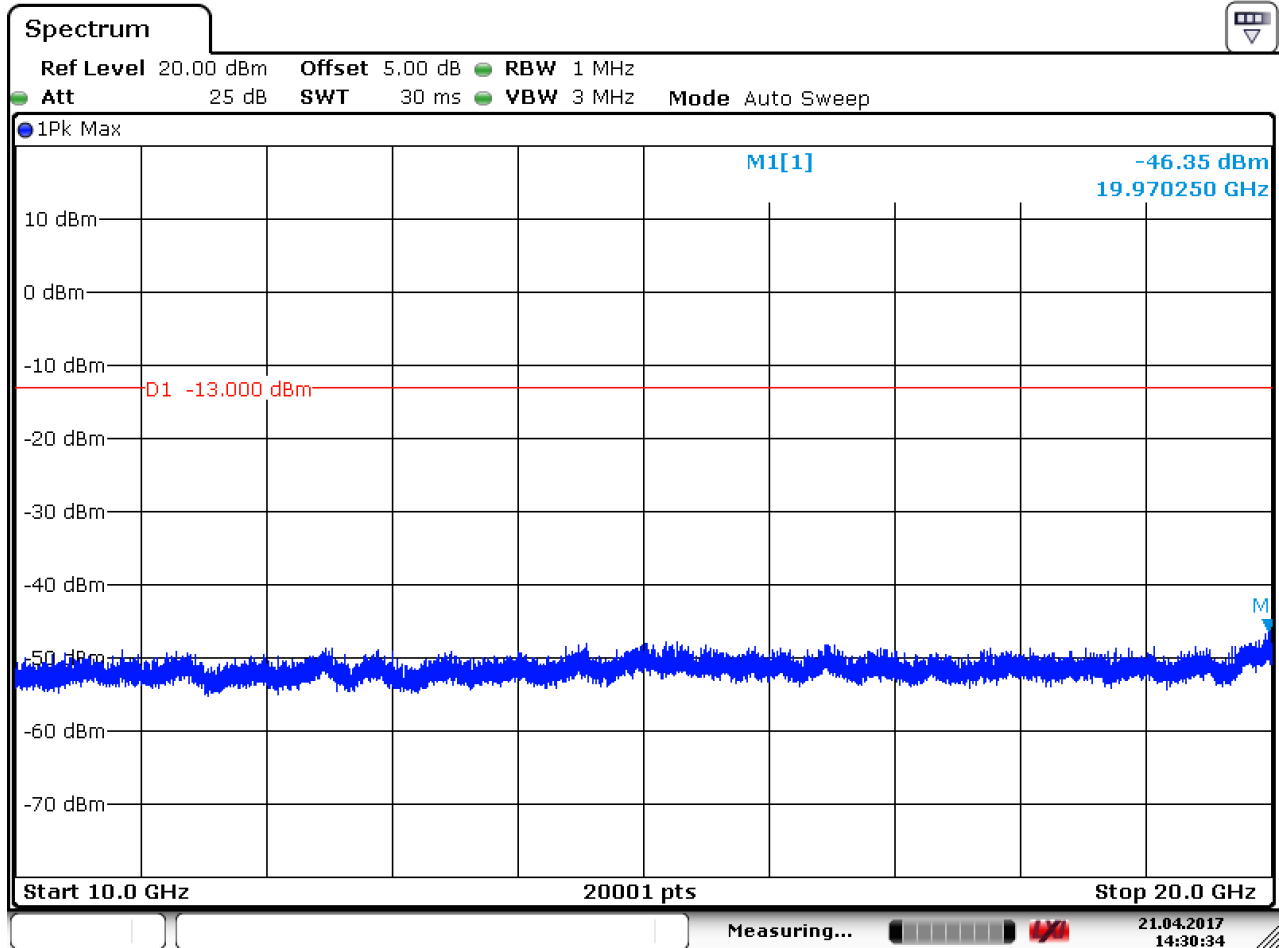
6.1.1.6.1 Test Channel = LCH



Date: 21.APR.2017 14:31:49



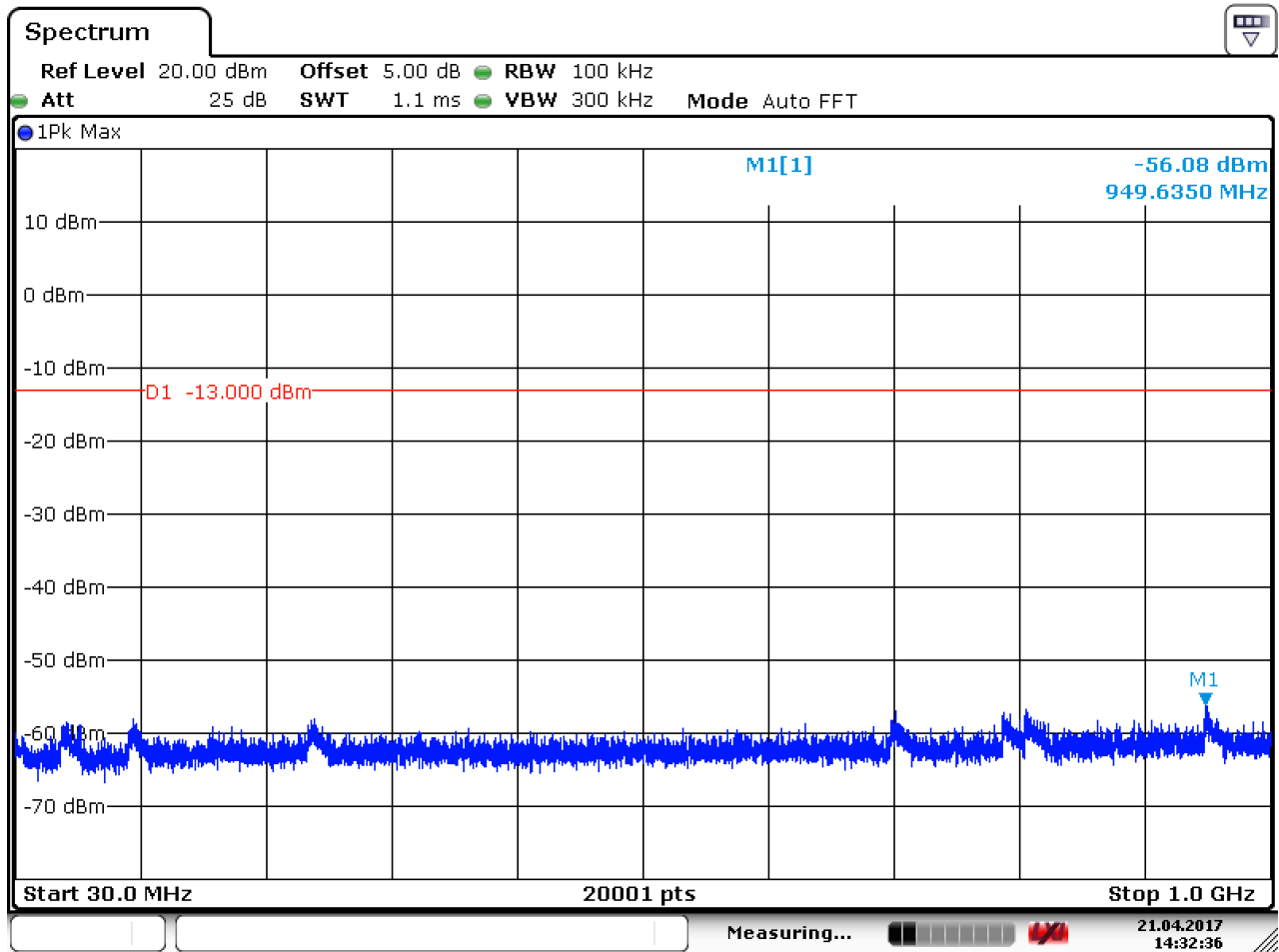
Date: 21.APR.2017 14:31:07



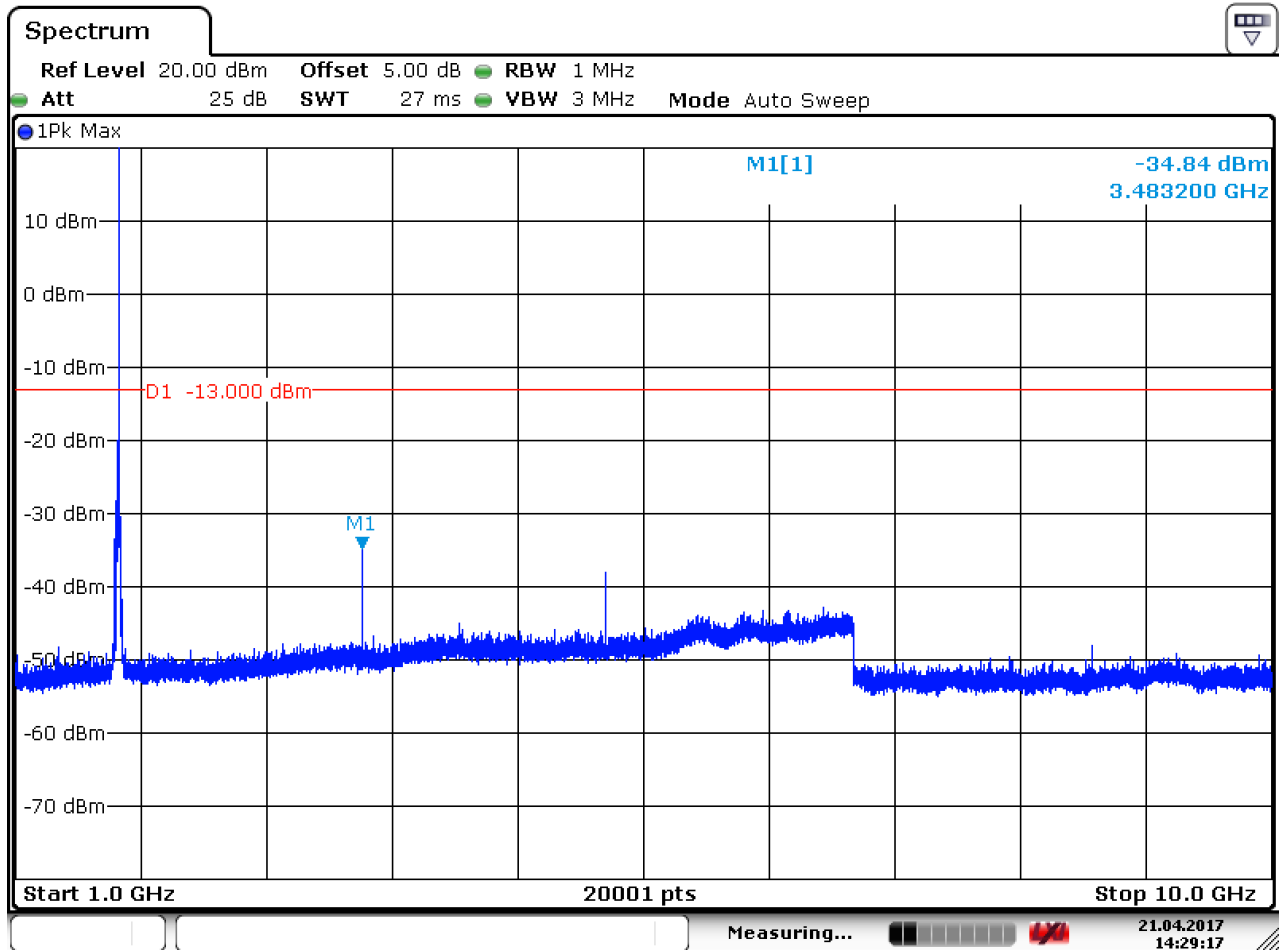
Date: 21.APR.2017 14:30:35



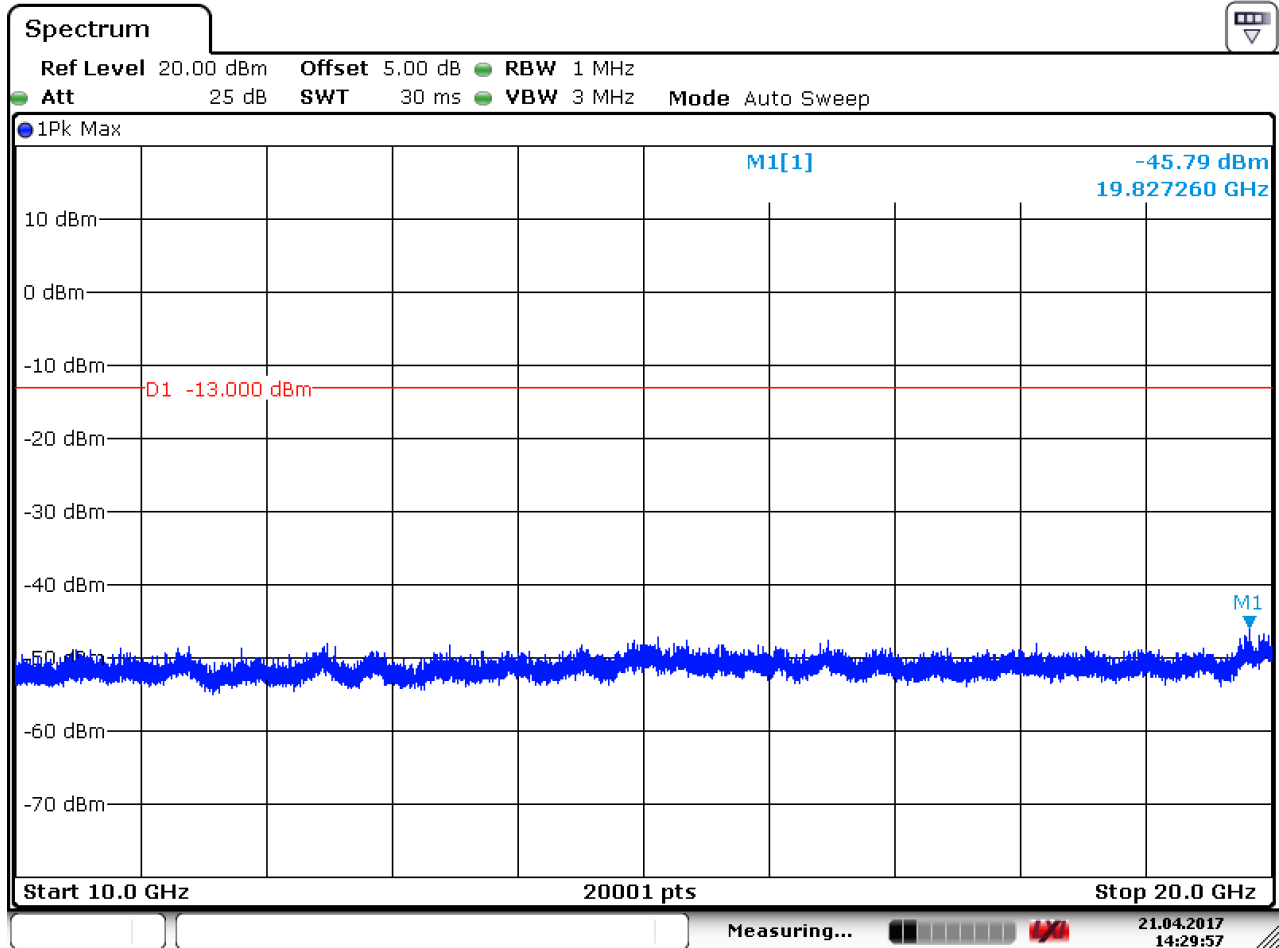
6.1.1.6.2 Test Channel = MCH



Date: 21.APR.2017 14:32:36



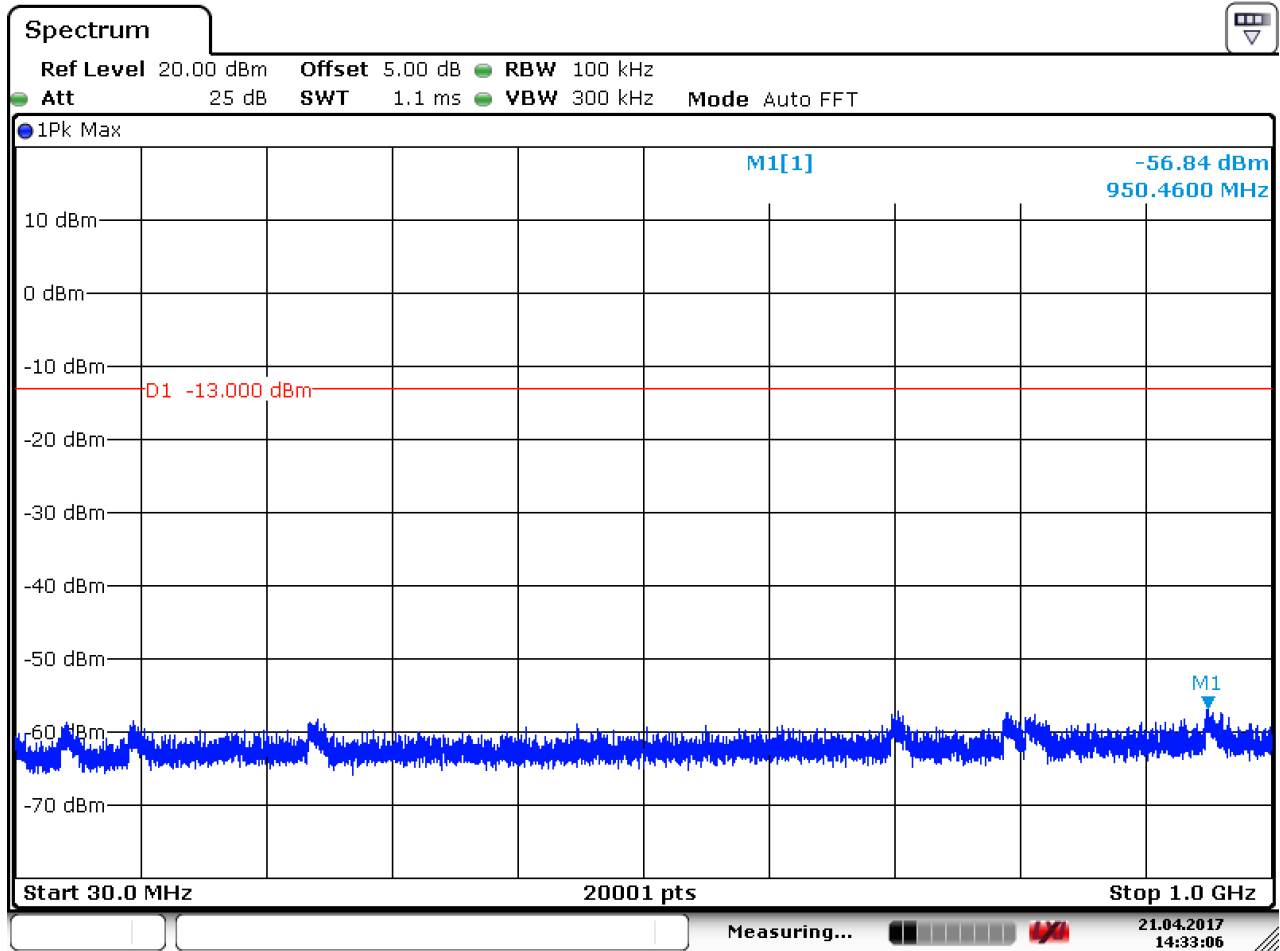
Date: 21.APR.2017 14:29:18



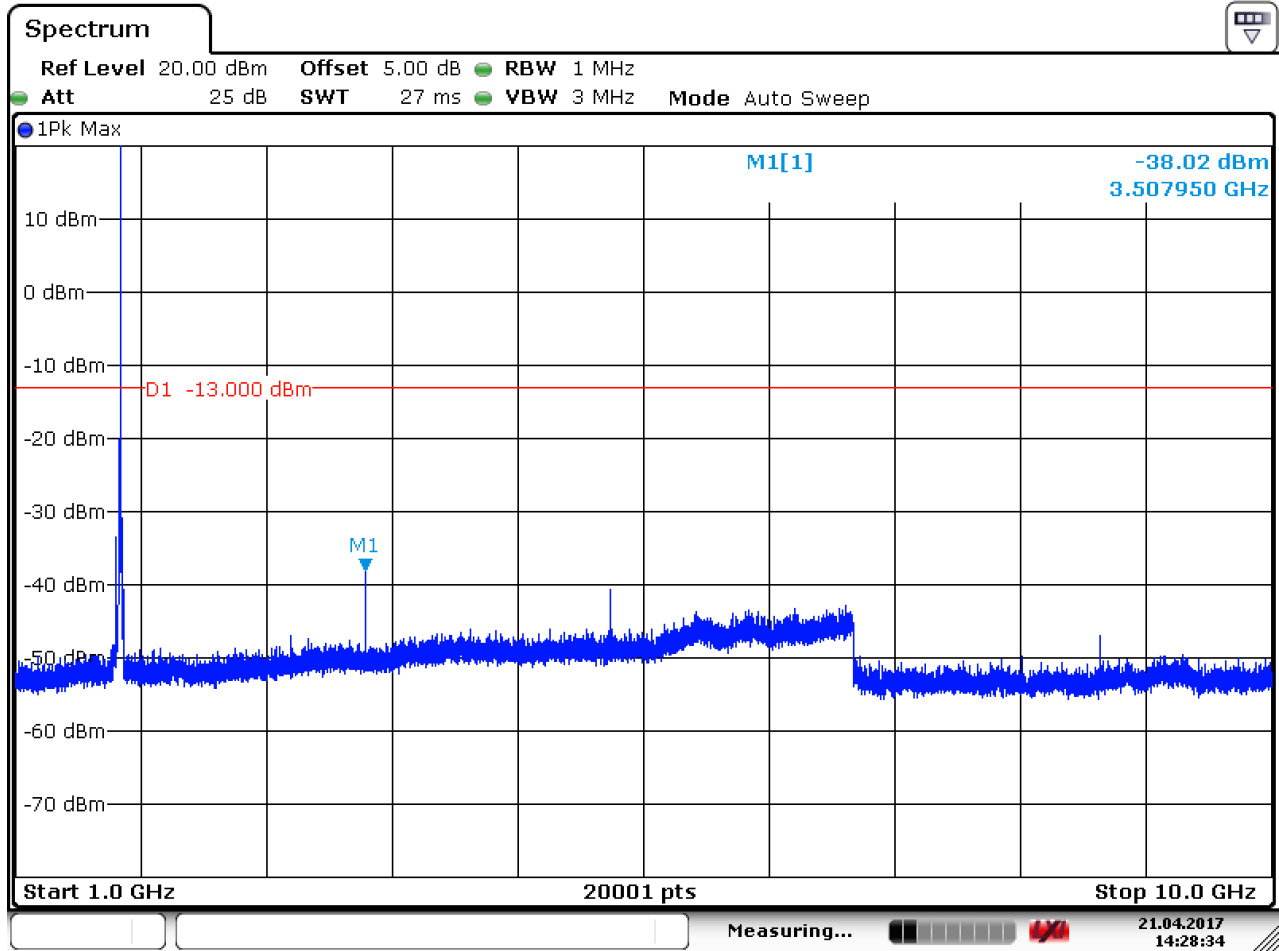
Date: 21.APR.2017 14:29:57



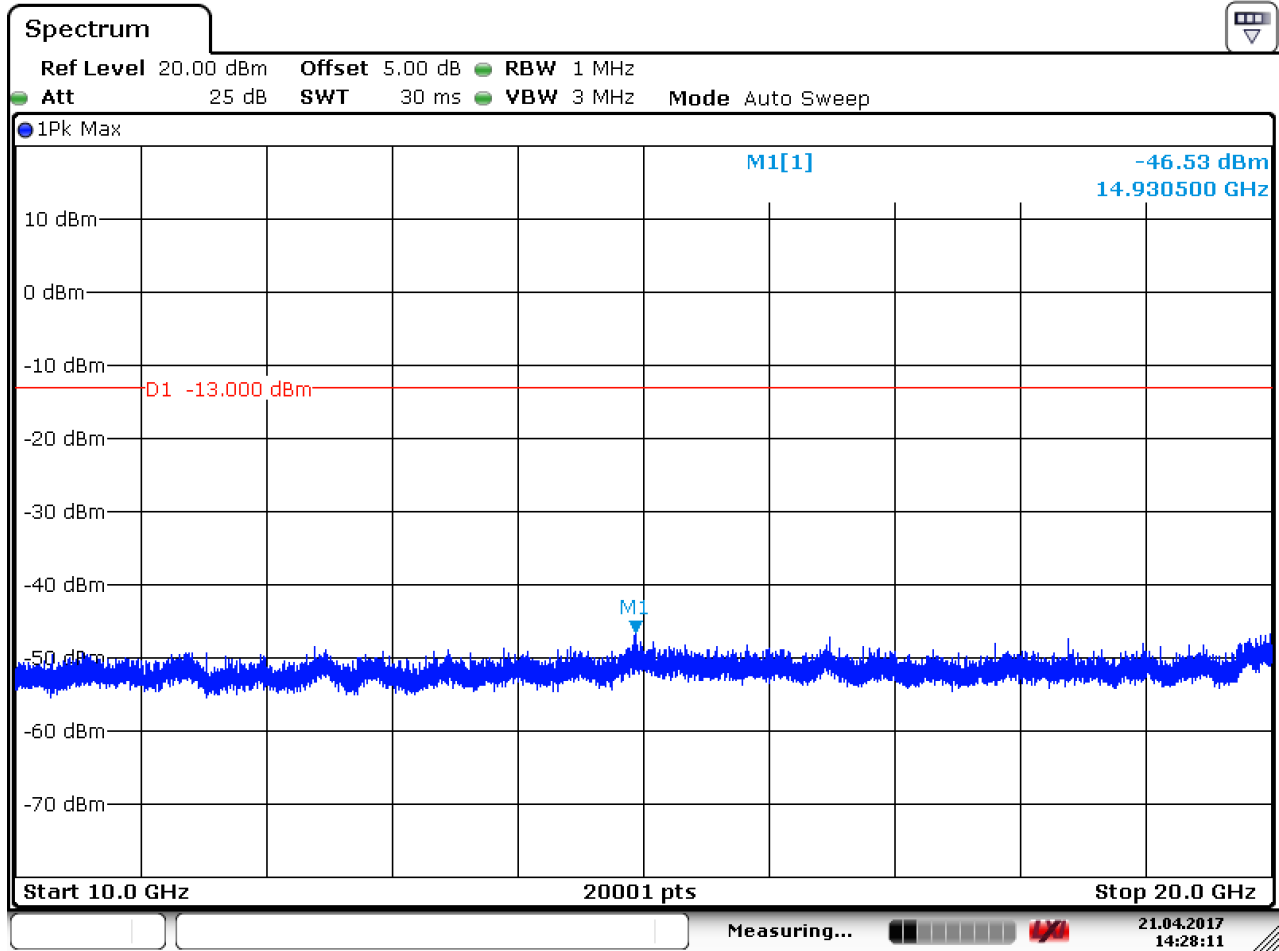
6.1.1.6.3 Test Channel = HCH



Date: 21.APR.2017 14:33:06



Date: 21.APR.2017 14:28:35



Date: 21.APR.2017 14:28:11



7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band4

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
1210.000	-65.98	-13.00	-52.98	Vertical
2272.000	-59.05	-13.00	-46.05	Vertical
3975.000	-68.46	-13.00	-55.46	Vertical
1199.000	-66.82	-13.00	-53.82	Horizontal
4267.500	-67.70	-13.00	-54.70	Horizontal
5340.000	-68.10	-13.00	-55.10	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1903.000	-60.82	-13.00	-47.82	Vertical
2296.000	-59.22	-13.00	-46.22	Vertical
4170.000	-67.91	-13.00	-54.91	Vertical
1199.000	-66.81	-13.00	-53.81	Horizontal
1892.000	-62.39	-13.00	-49.39	Horizontal
4755.000	-68.15	-13.00	-55.15	Horizontal

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
2189.000	-60.55	-13.00	-47.55	Vertical
3585.000	-69.25	-13.00	-56.25	Vertical
4950.000	-67.25	-13.00	-54.25	Vertical
1122.000	-66.99	-13.00	-53.99	Horizontal
4072.500	-68.83	-13.00	-55.83	Horizontal
5535.000	-67.65	-13.00	-54.65	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 band 4	LTE/TM1 20MHz	LCH	TN	VL	-2.31	-0.00134	PASS
				VN	-1.30	-0.00076	PASS
				VH	-2.25	-0.00131	PASS
		MCH	TN	VL	-1.94	-0.00112	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	-2.44	-0.00140	PASS
	LTE/TM2 20MHz	LCH	TN	VL	2.35	0.00137	PASS
				VN	-1.20	-0.00070	PASS
				VH	4.46	0.00259	PASS
		MCH	TN	VL	4.41	0.00255	PASS
				VN	2.30	0.00133	PASS
				VH	-0.98	-0.00057	PASS
		HCH	TN	VL	4.24	0.00243	PASS
				VN	-3.65	-0.00209	PASS
				VH	-1.12	-0.00064	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
LTEband4	LTE/TM1 20MHz	LCH	VN	-30	-5.71	-0.00332	PASS
				-20	-3.85	-0.00224	PASS
				-10	-2.50	-0.00145	PASS
				0	-5.42	-0.00315	PASS
				10	-2.89	-0.00168	PASS
				20	-1.80	-0.00105	PASS
				30	-3.35	-0.00195	PASS
				40	-2.29	-0.00133	PASS
				50	-6.44	-0.00374	PASS
		MCH	VN	-30	-2.39	-0.00138	PASS
				-20	4.23	0.00244	PASS
				-10	1.64	0.00095	PASS
				0	2.08	0.00120	PASS
				10	-0.35	-0.00020	PASS
				20	-4.14	-0.00239	PASS
				30	4.23	0.00244	PASS
				40	2.60	0.00150	PASS
				50	-1.55	-0.00089	PASS
		HCH	VN	-30	1.31	0.00075	PASS
				-20	-4.45	-0.00255	PASS
				-10	-7.37	-0.00422	PASS
				0	-5.20	-0.00298	PASS
				10	2.61	0.00150	PASS
				20	-2.23	-0.00128	PASS
				30	3.68	0.00211	PASS
				40	-2.05	-0.00117	PASS
				50	-6.02	-0.00345	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTEband4	LTE/TM2 20MHz	LCH	VN	-30	-3.40	-0.00198	PASS
				-20	-1.34	-0.00078	PASS
				-10	2.38	0.00138	PASS
				0	1.75	0.00102	PASS
				10	3.65	0.00212	PASS
				20	0.91	0.00053	PASS
				30	-5.31	-0.00309	PASS
				40	-0.14	-0.00008	PASS
		MCH	VN	50	2.59	0.00151	PASS
				-30	-2.80	-0.00162	PASS
				-20	-5.95	-0.00343	PASS
				-10	-7.49	-0.00432	PASS
				0	-3.62	-0.00209	PASS
				10	-1.04	-0.00060	PASS
				20	-4.33	-0.00250	PASS
				30	-5.66	-0.00327	PASS
		HCH	VN	40	-5.89	-0.00340	PASS
				50	-2.92	-0.00169	PASS
				-30	3.54	0.00203	PASS
				-20	-1.49	-0.00085	PASS
				-10	2.53	0.00145	PASS
				0	-4.83	-0.00277	PASS
				10	2.60	0.00149	PASS
				20	-3.57	-0.00205	PASS
30	-2.66	-0.00152	PASS				
40	-5.43	-0.00311	PASS				
50	-8.22	-0.00471	PASS				

The End