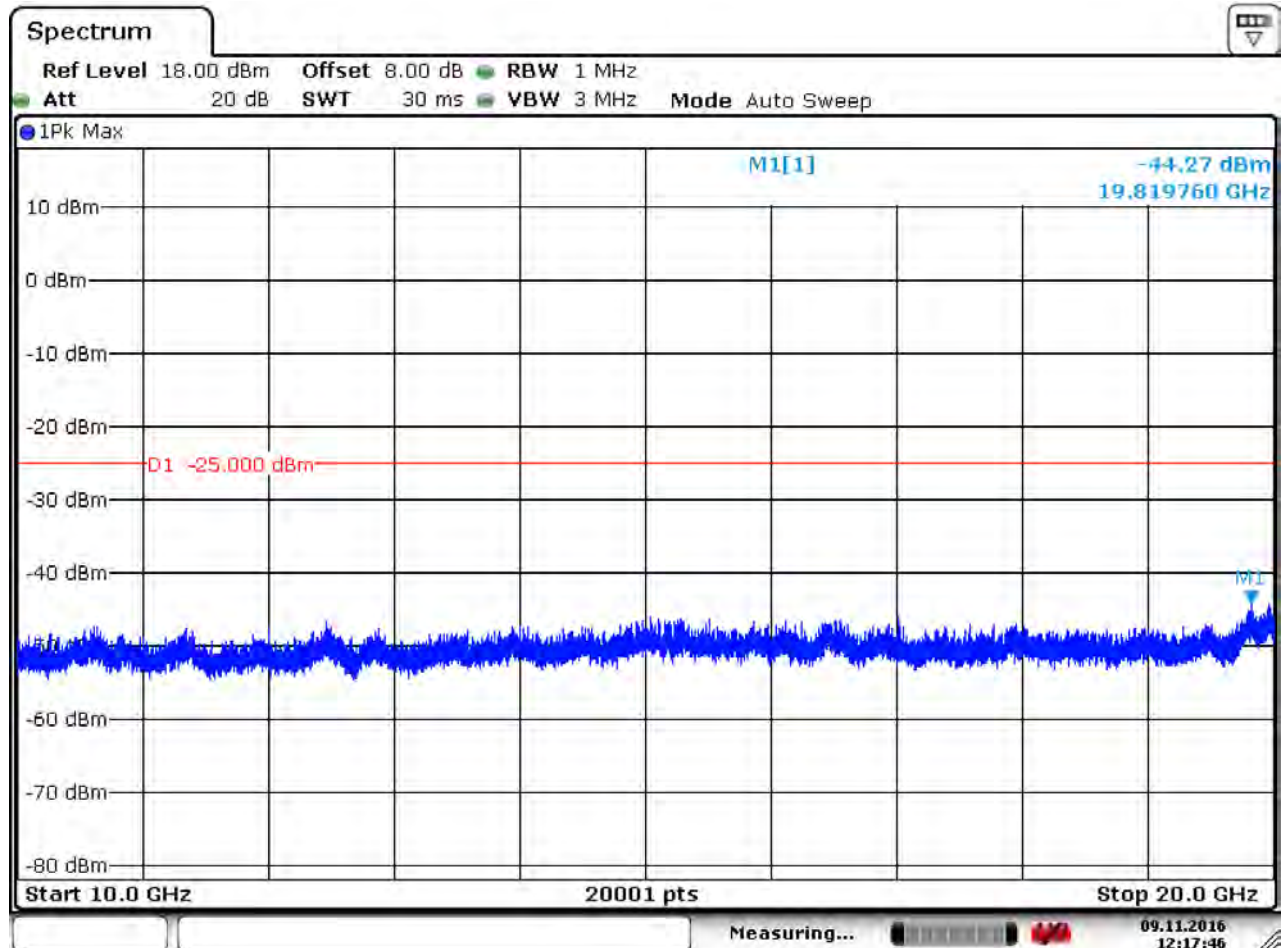




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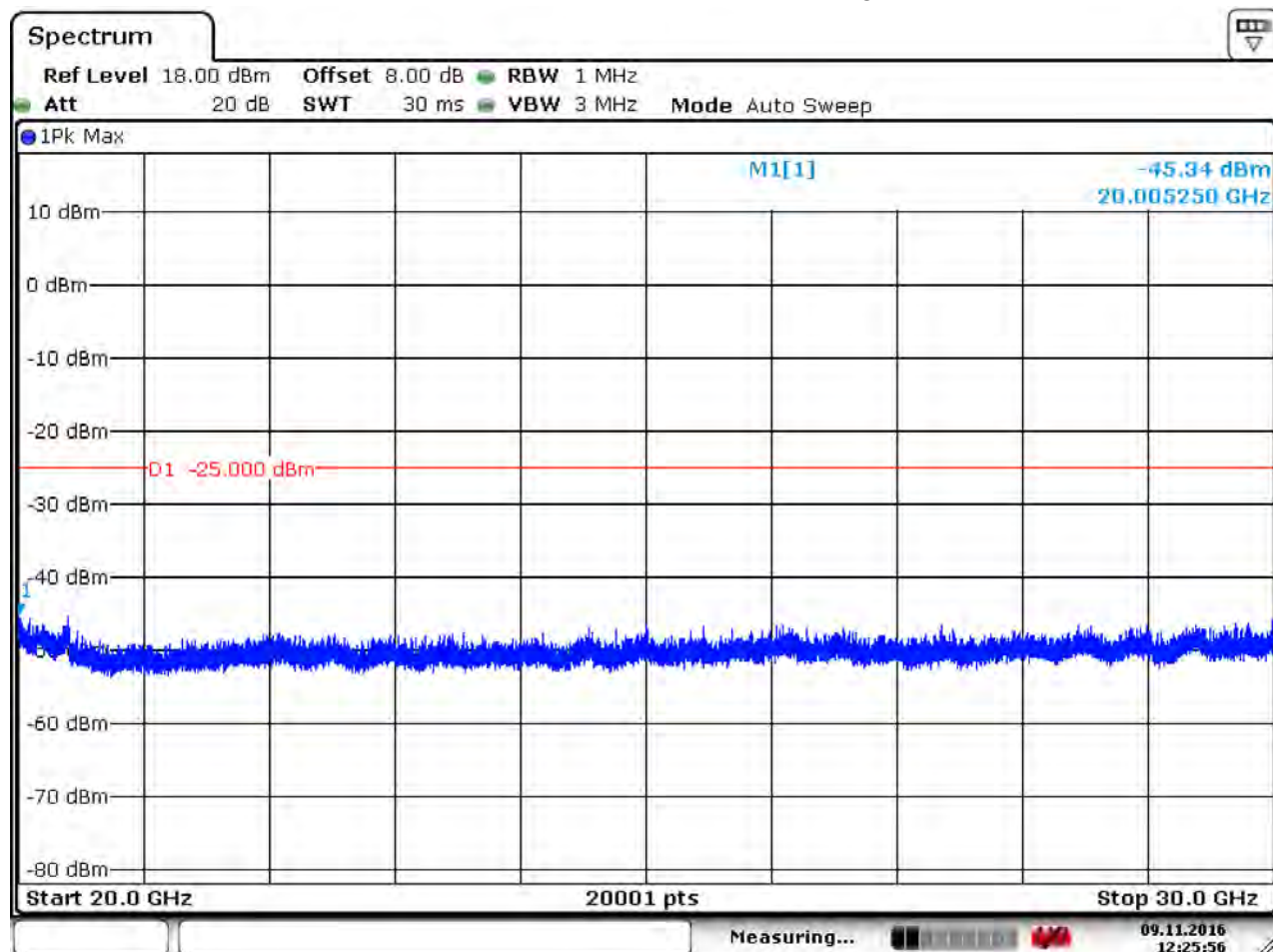
Report No.: SZEM161000852202

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Date: 9.NOV.2016 12:17:46

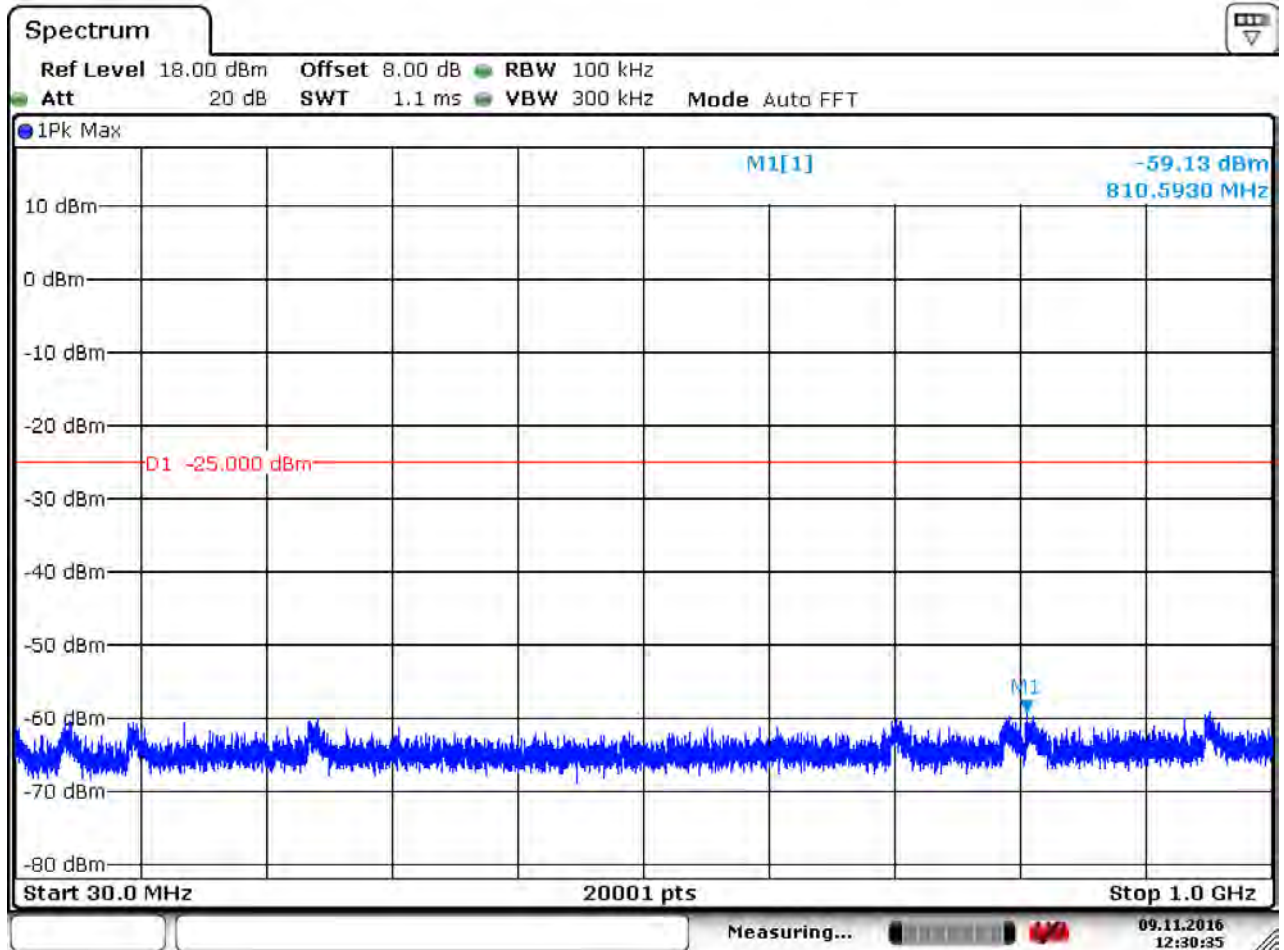
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Date: 9.NOV.2016 12:25:56



6.1.1.2.2 Test Channel = MCH



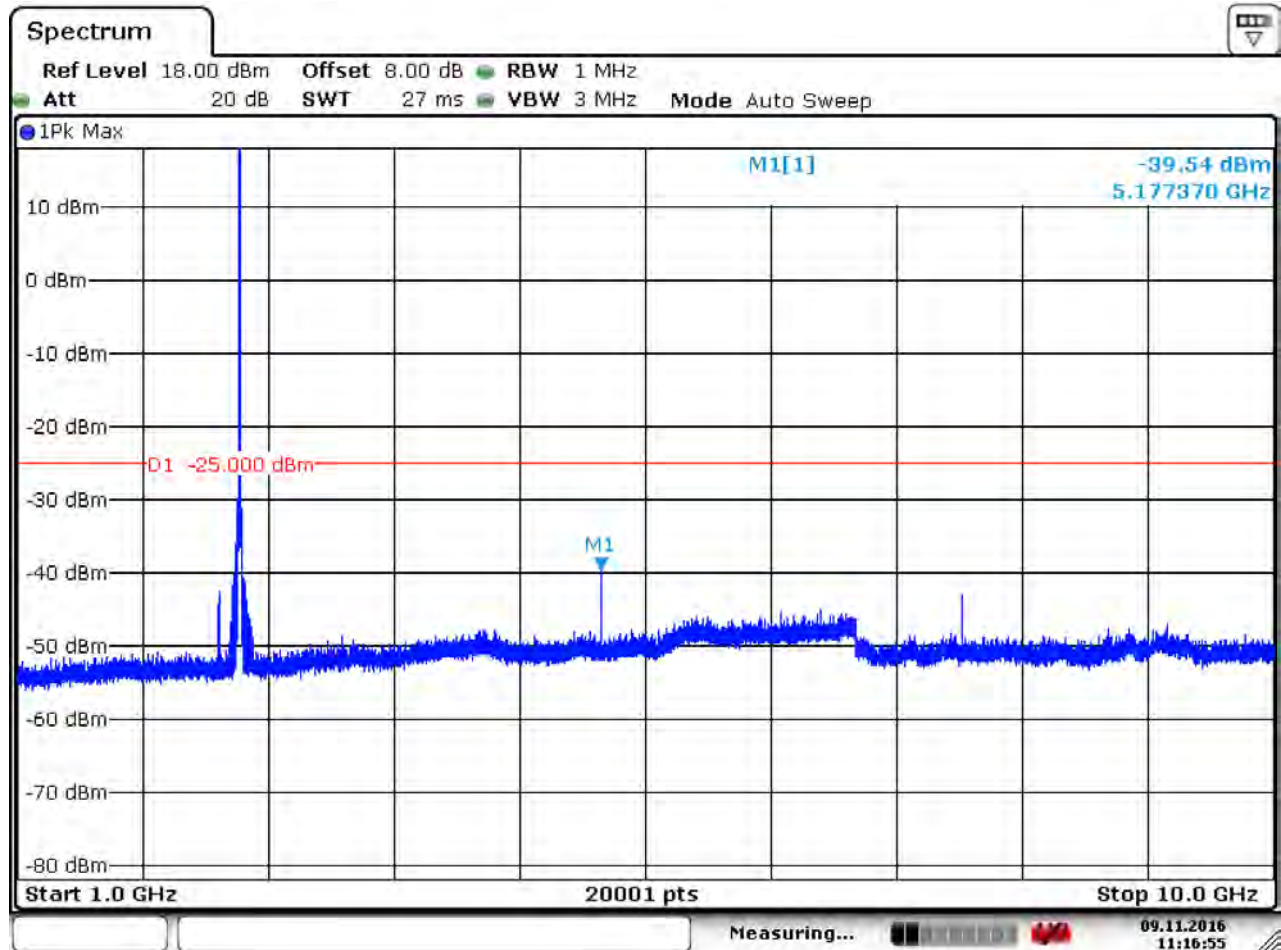
Date: 9 NOV. 2016 12:30:35



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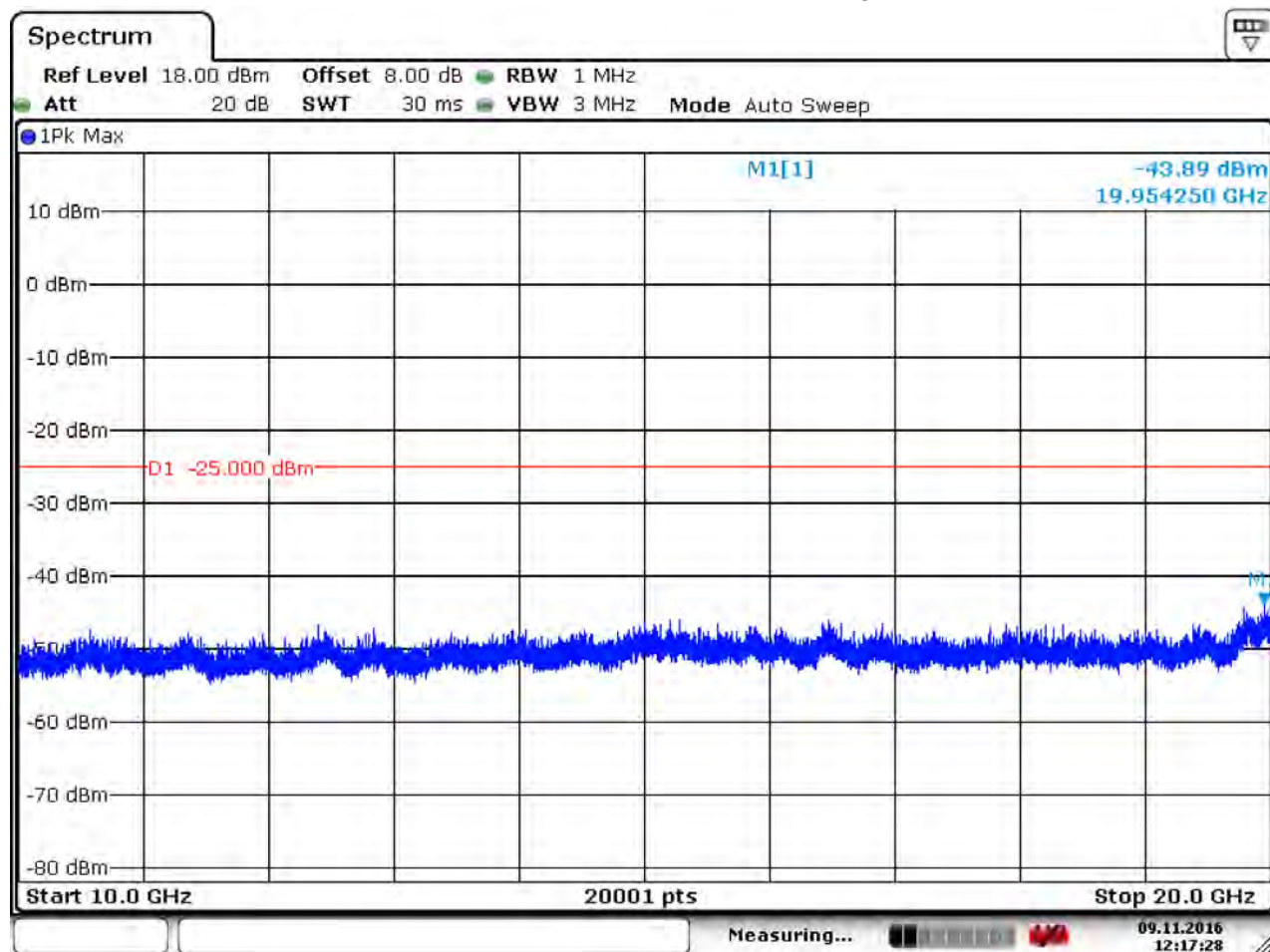
Report No.: SZEM161000852202

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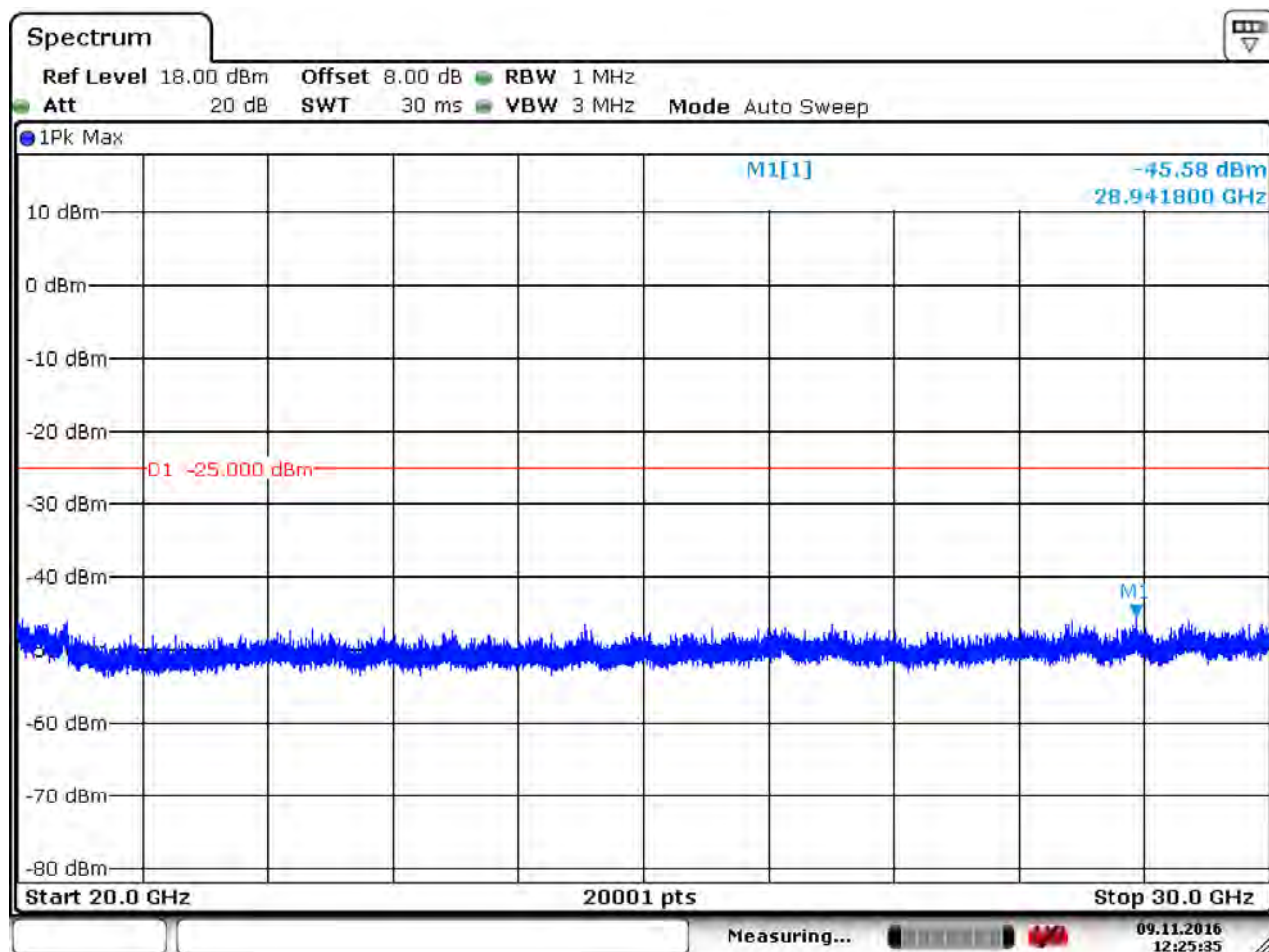


Date: 9.NOV.2016 11:16:56

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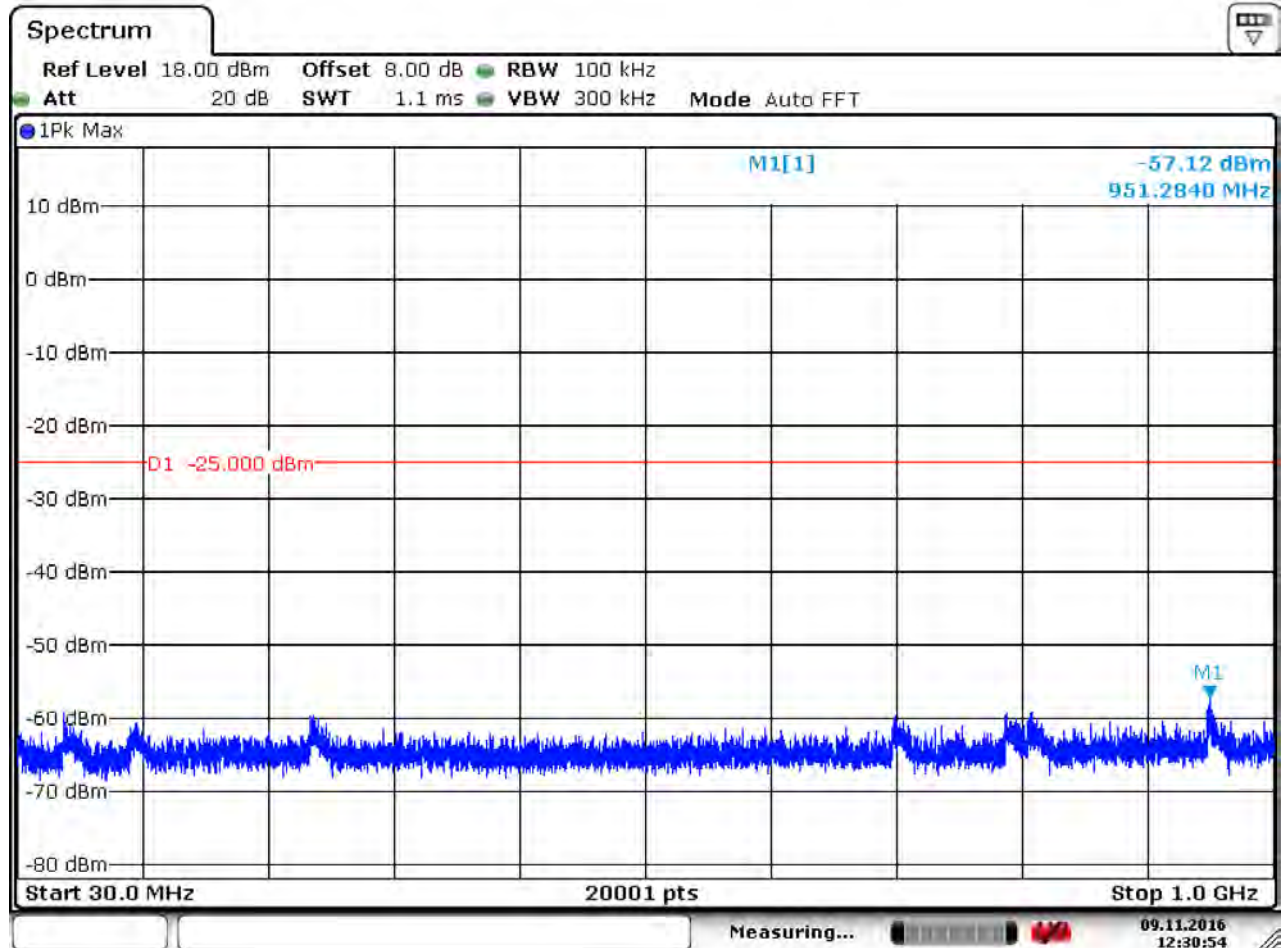
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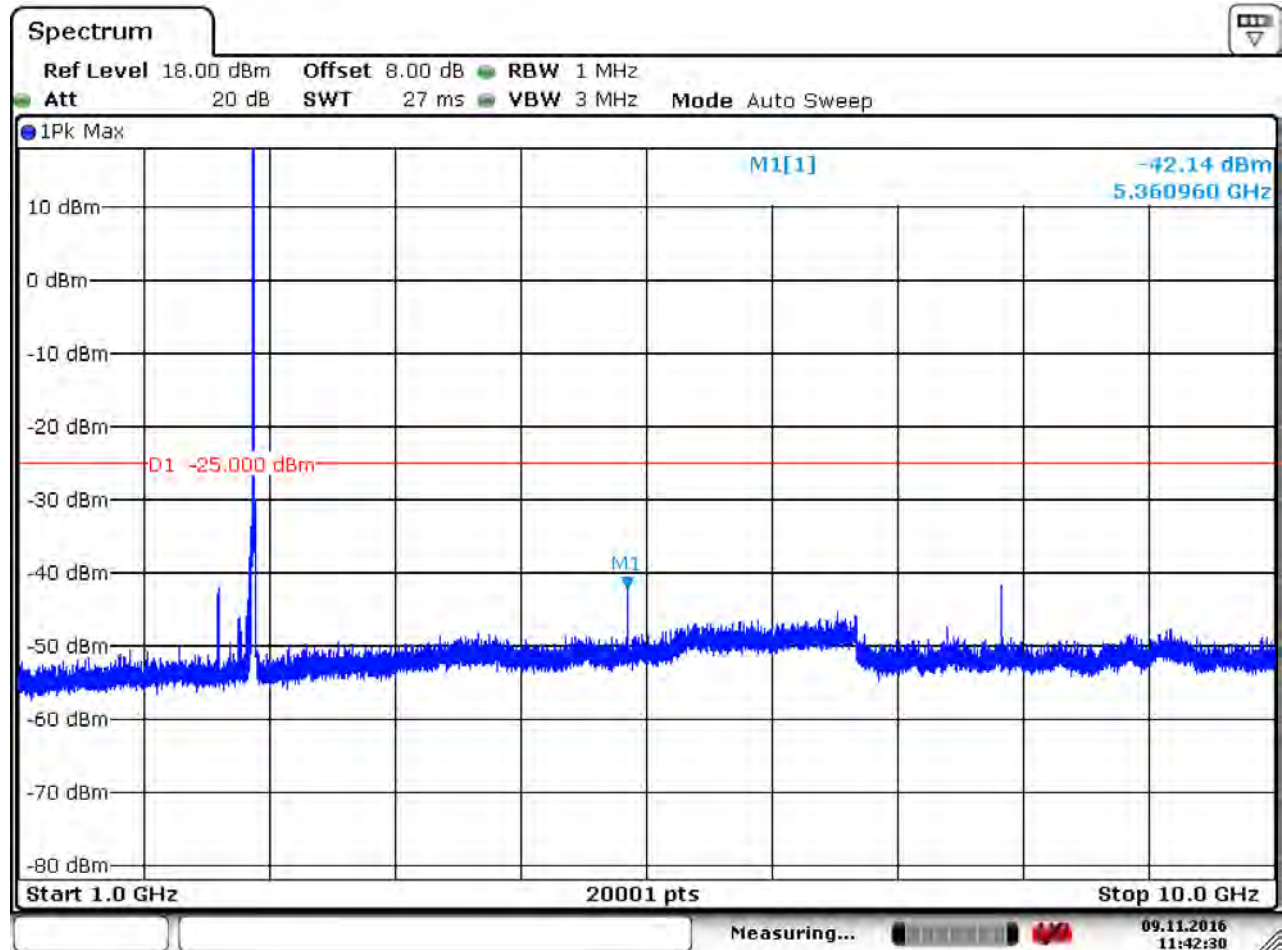
Date: 9 NOV. 2016 12:25:36



6.1.1.2.3 Test Channel = HCH



Date: 9 NOV. 2016 12:30:54



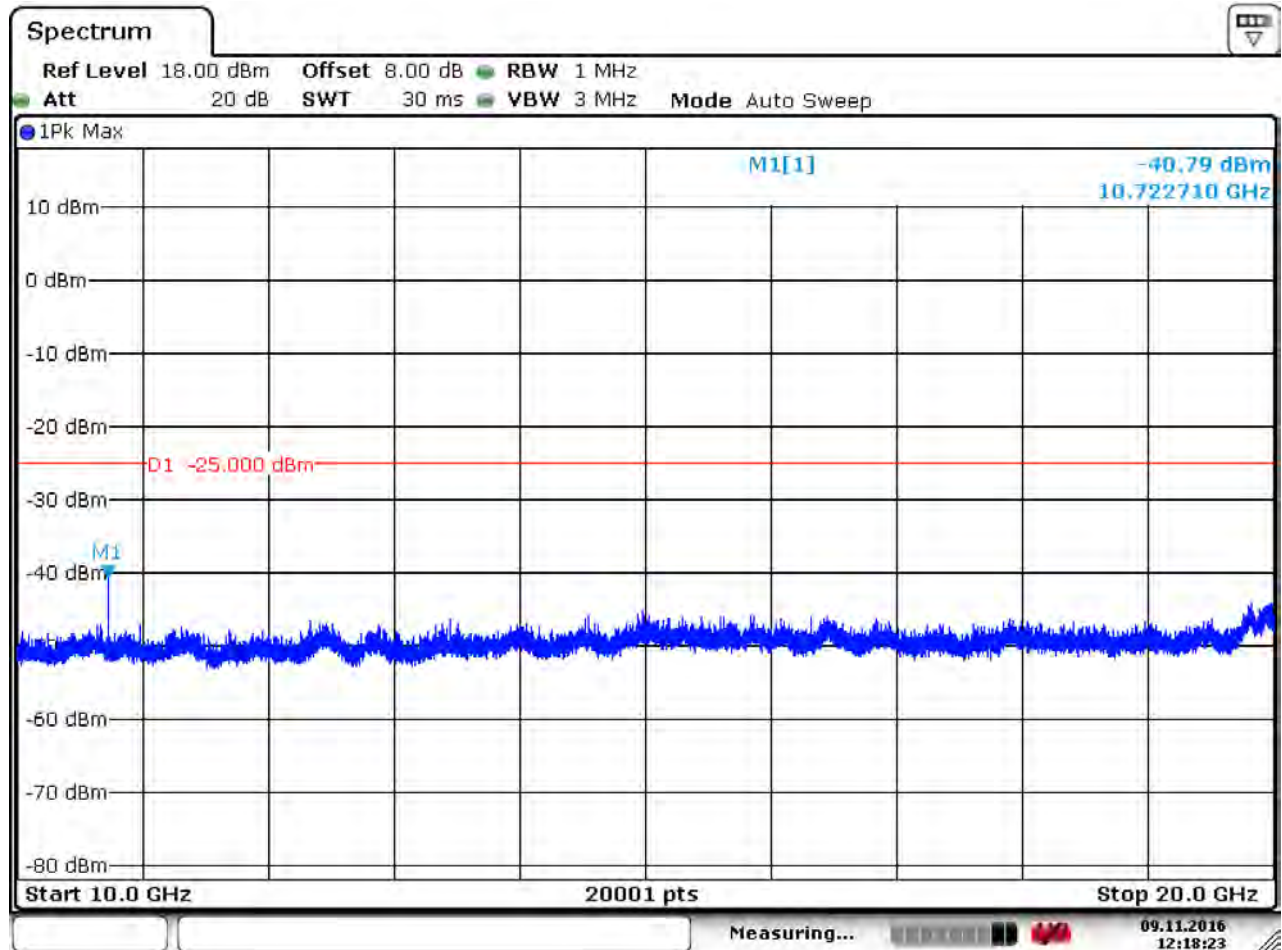
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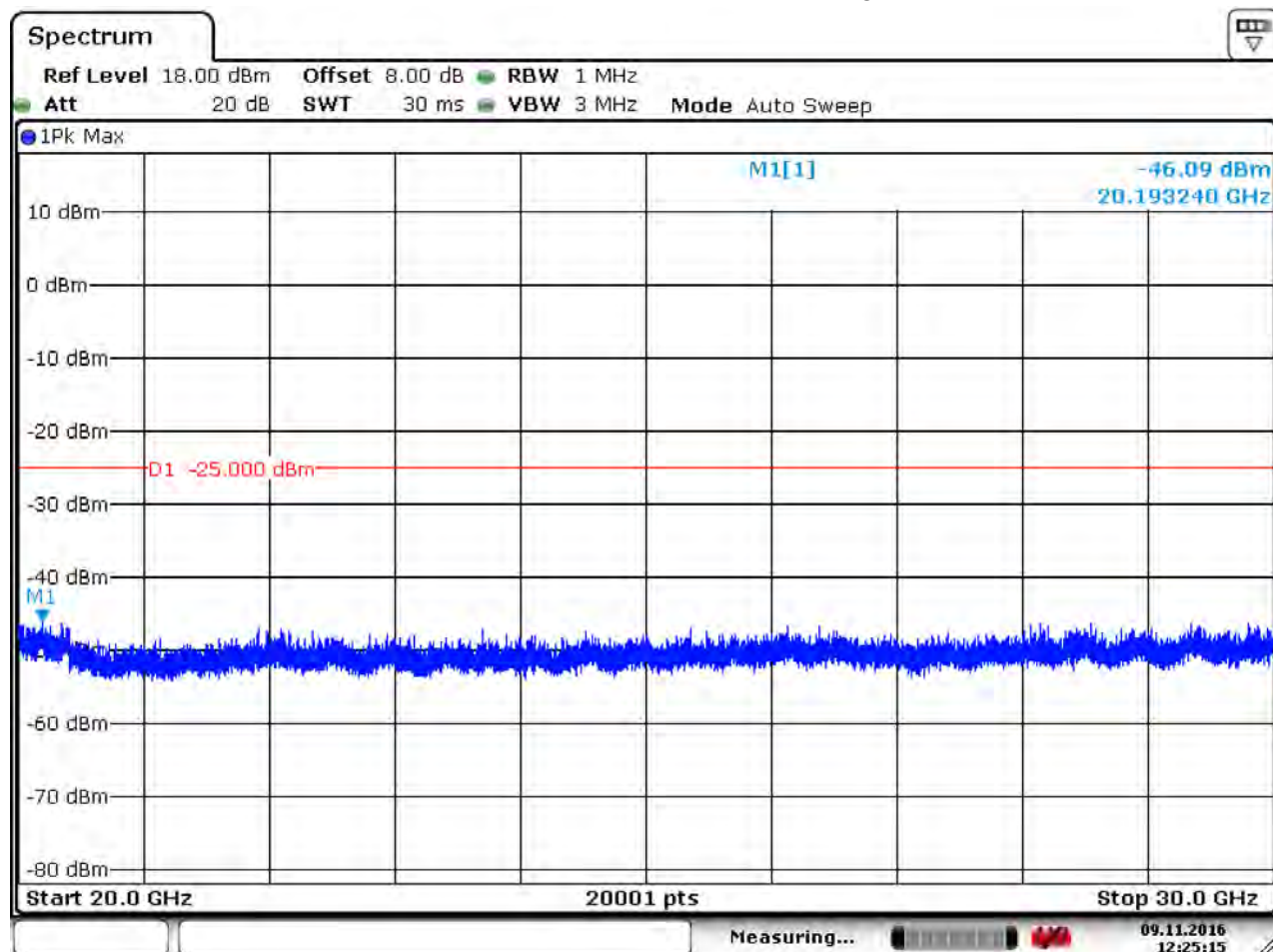
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Date: 9.NOV.2016 12:18:24

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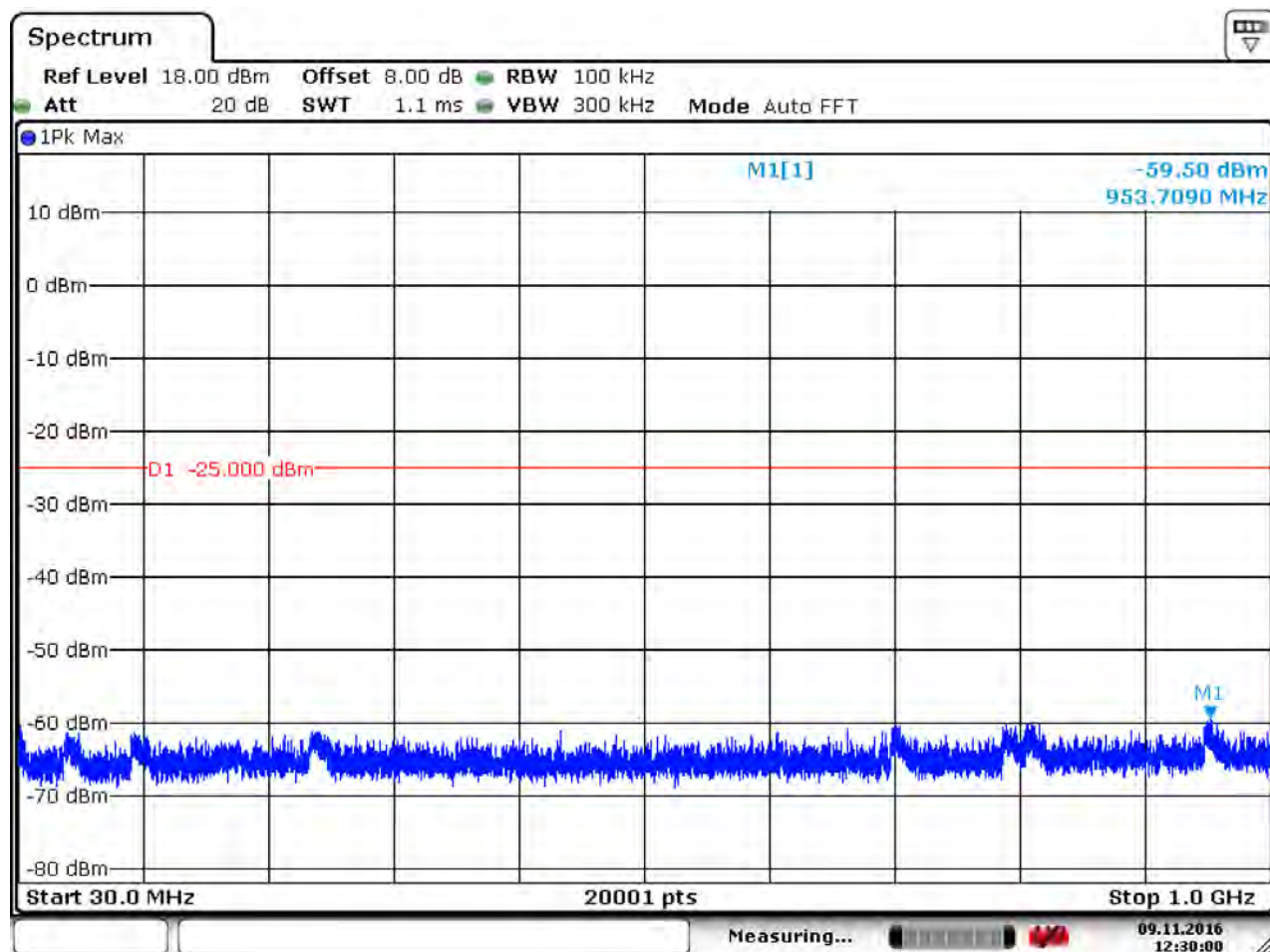
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6.1.1.3 Test Mode = LTE / TM1 15MHz RB1#0

6.1.1.3.1 Test Channel = LCH



Date: 9.NOV.2016 12:30:01

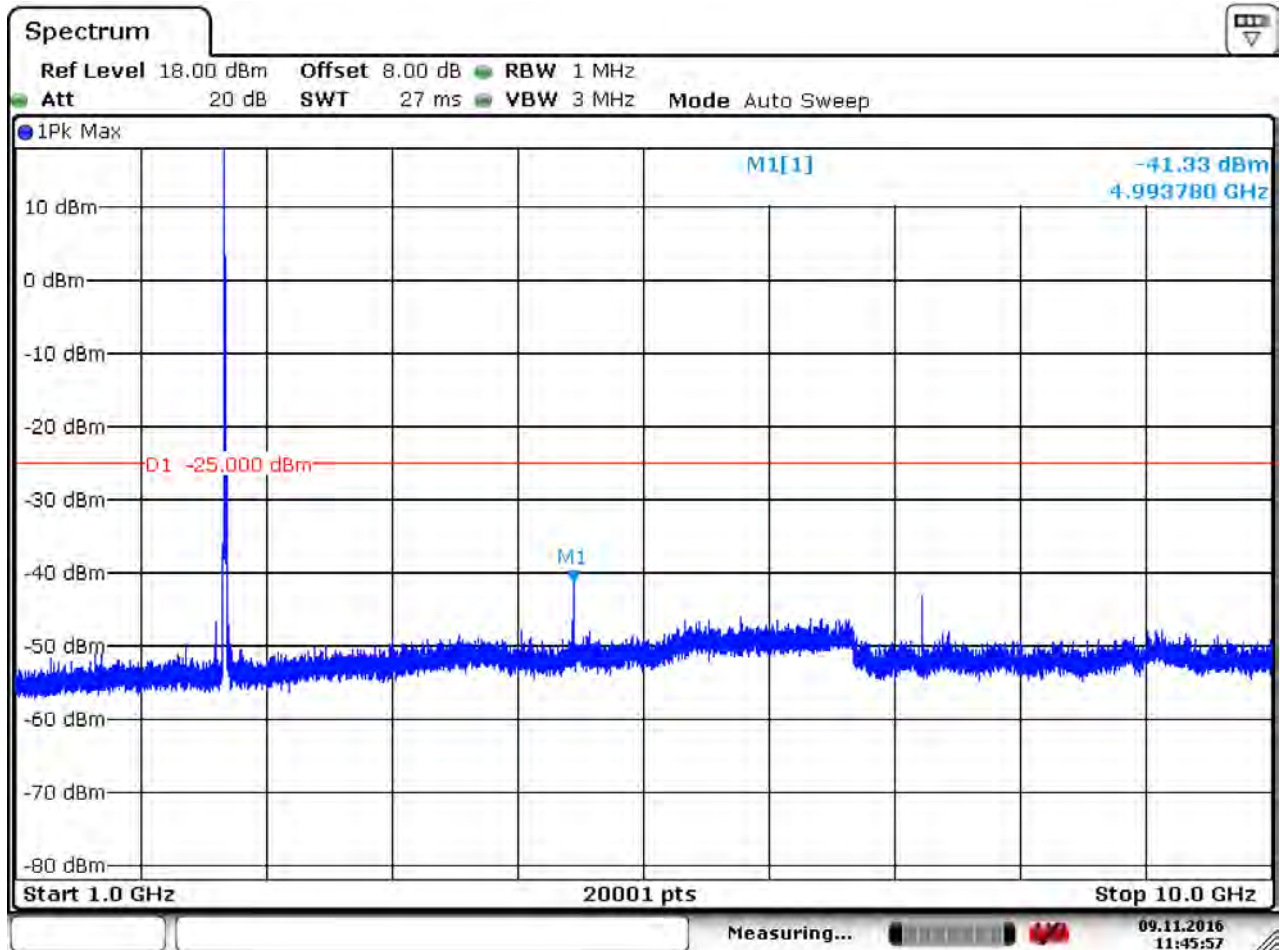
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Date: 9.NOV.2016 11:45:56

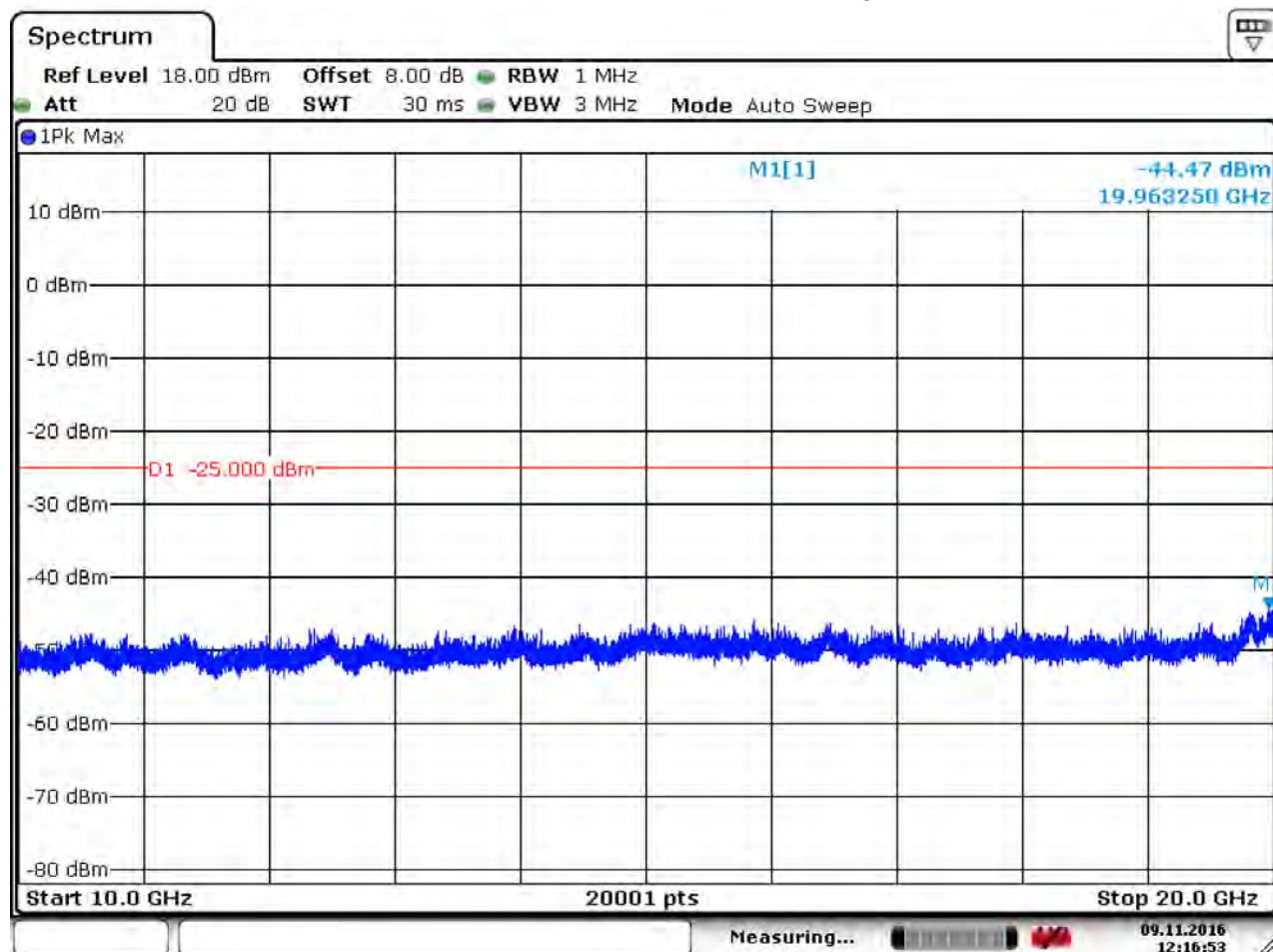
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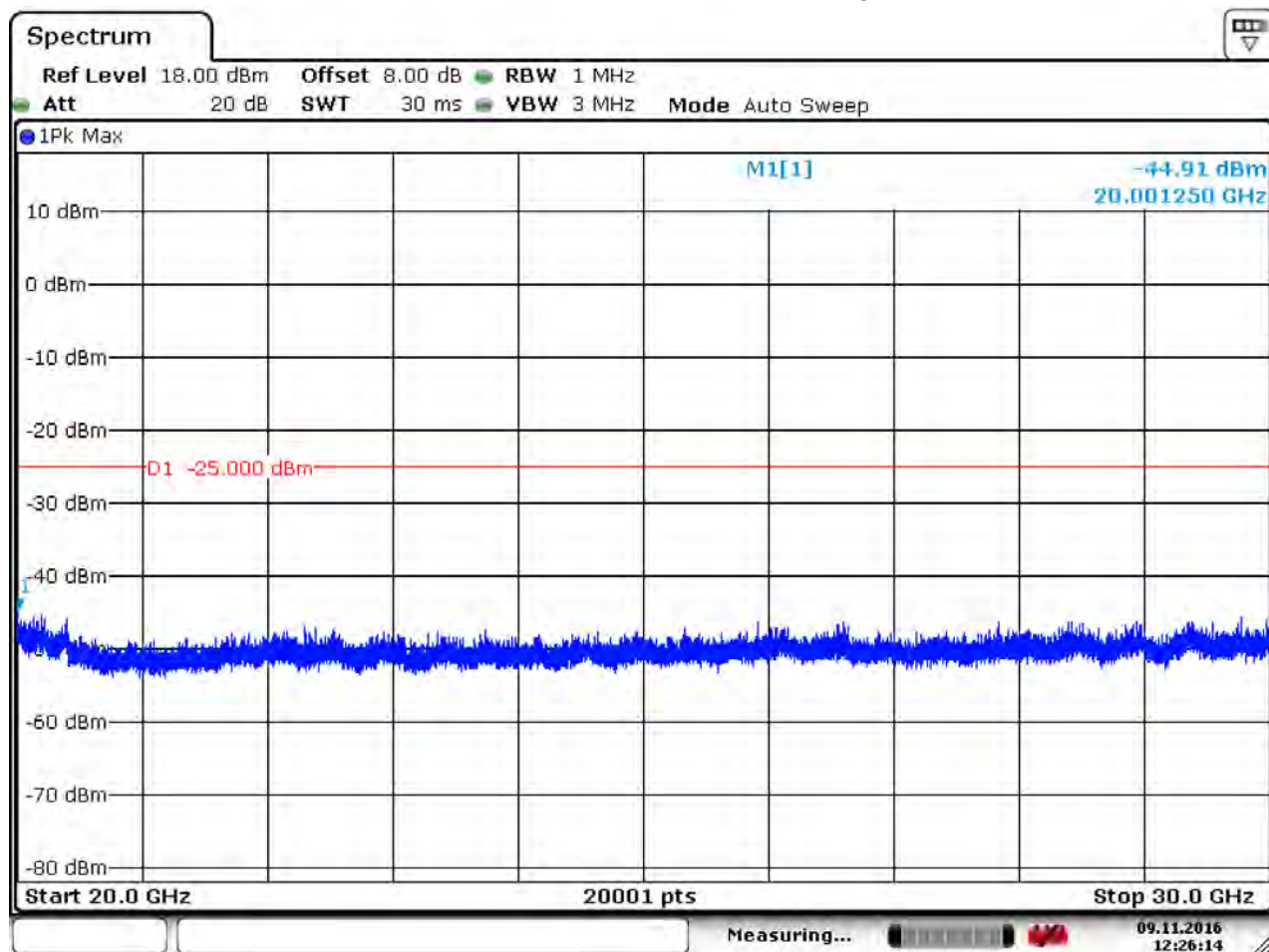
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Date: 9.NOV.2016 12:16:53

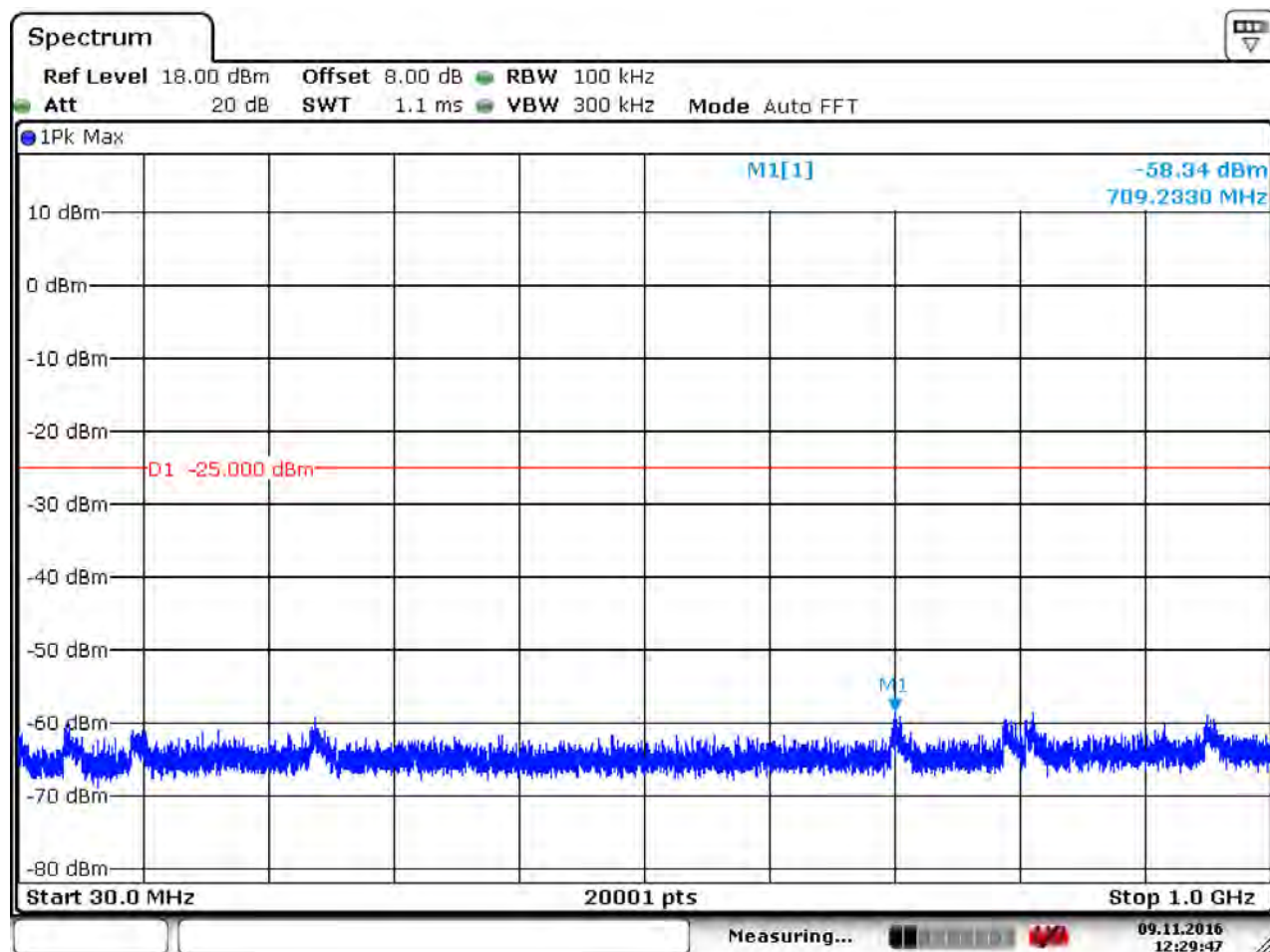
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Date: 9.NOV.2016 12:26:14



6.1.1.3.2 Test Channel = MCH



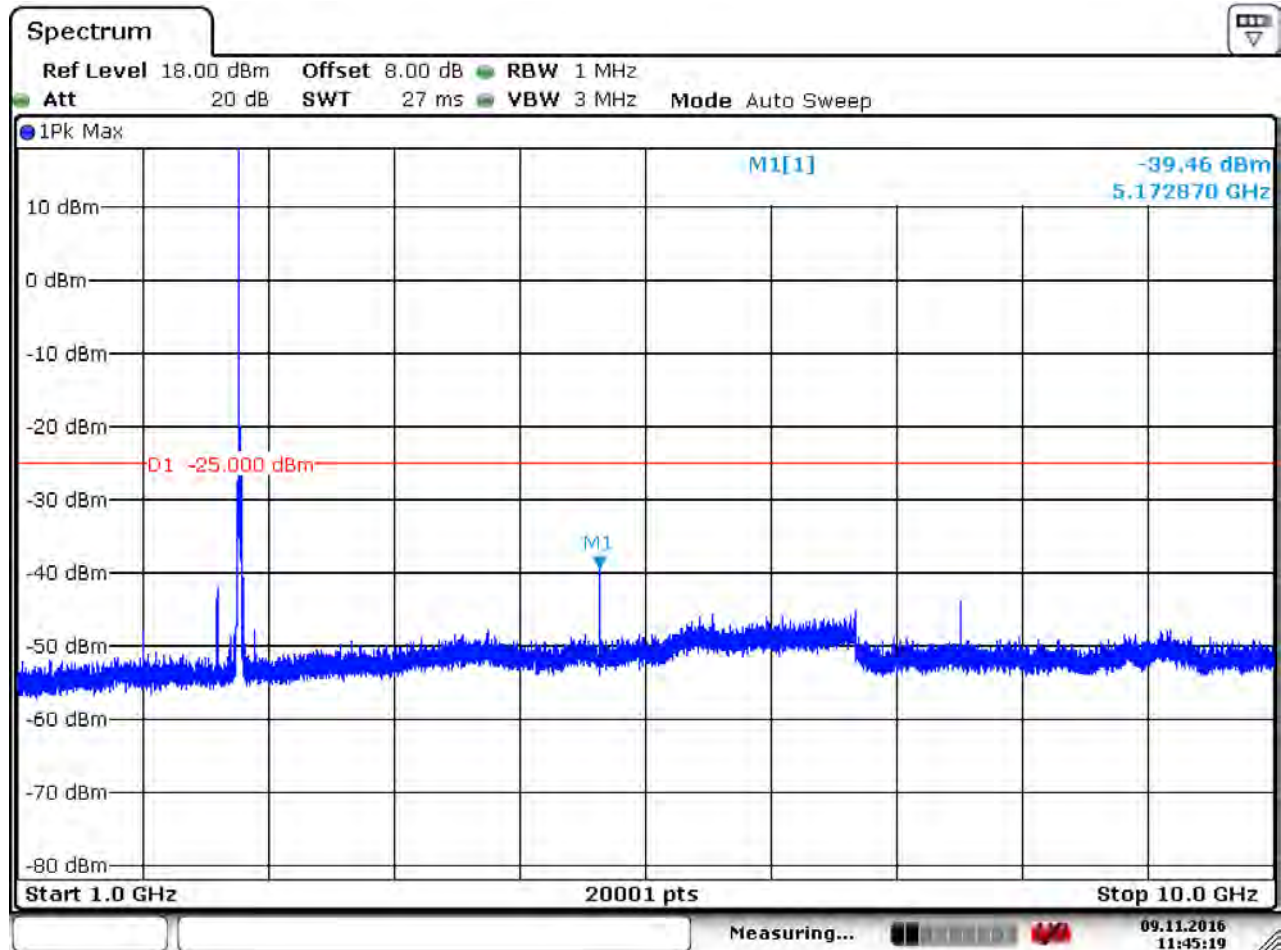
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Date: 9.NOV.2016 11:45:19

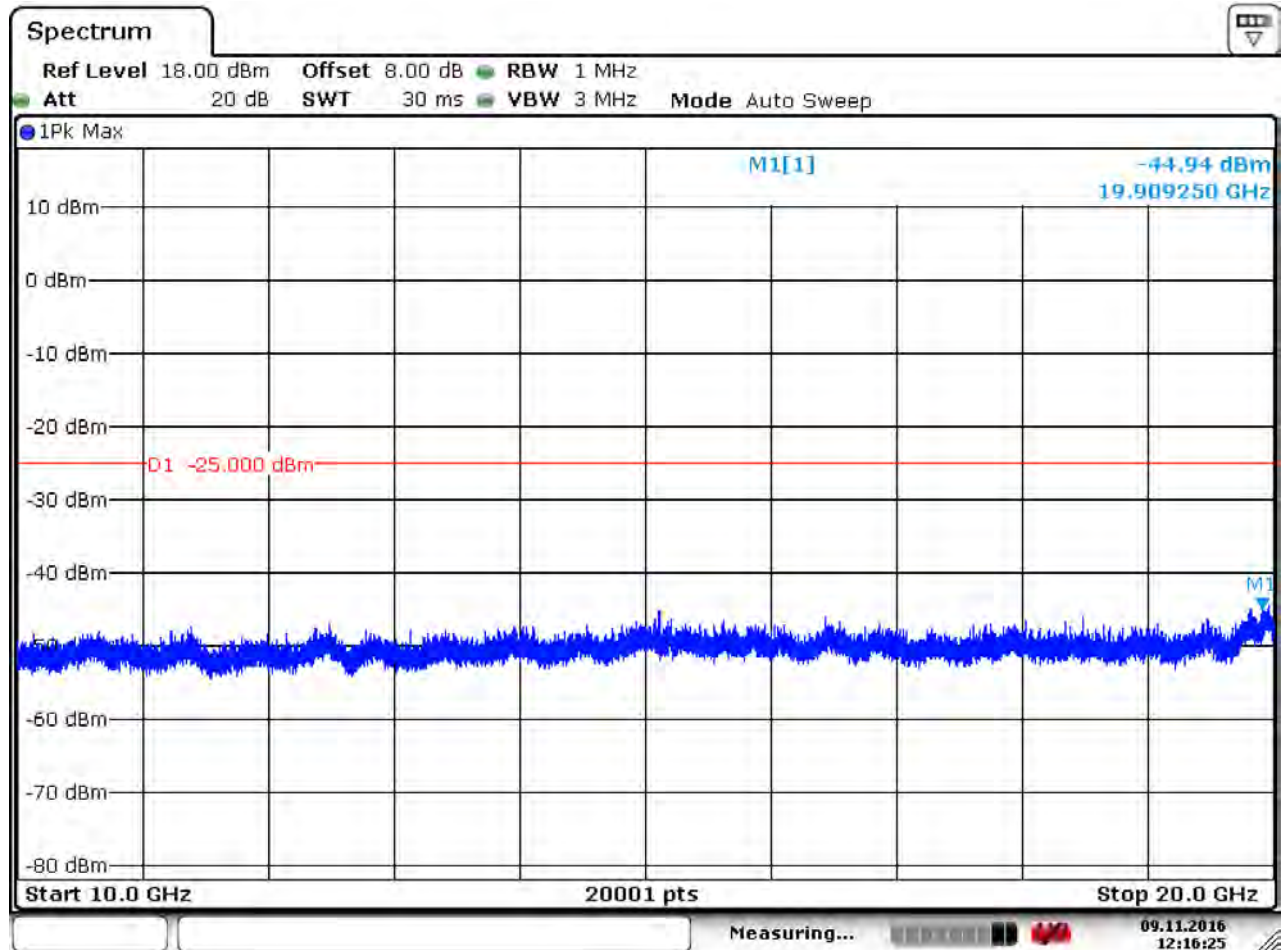
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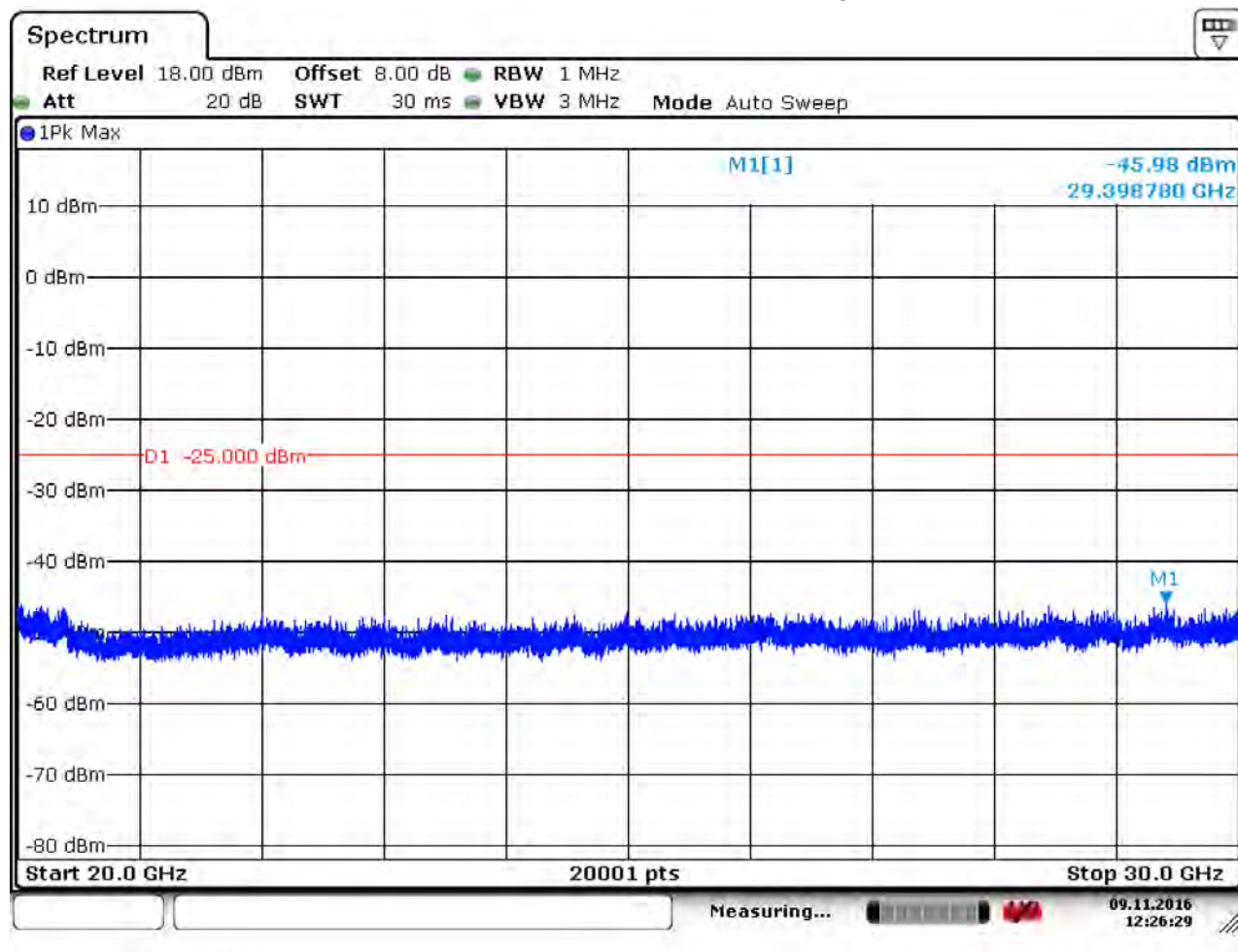
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Date: 9.NOV.2016 12:16:25

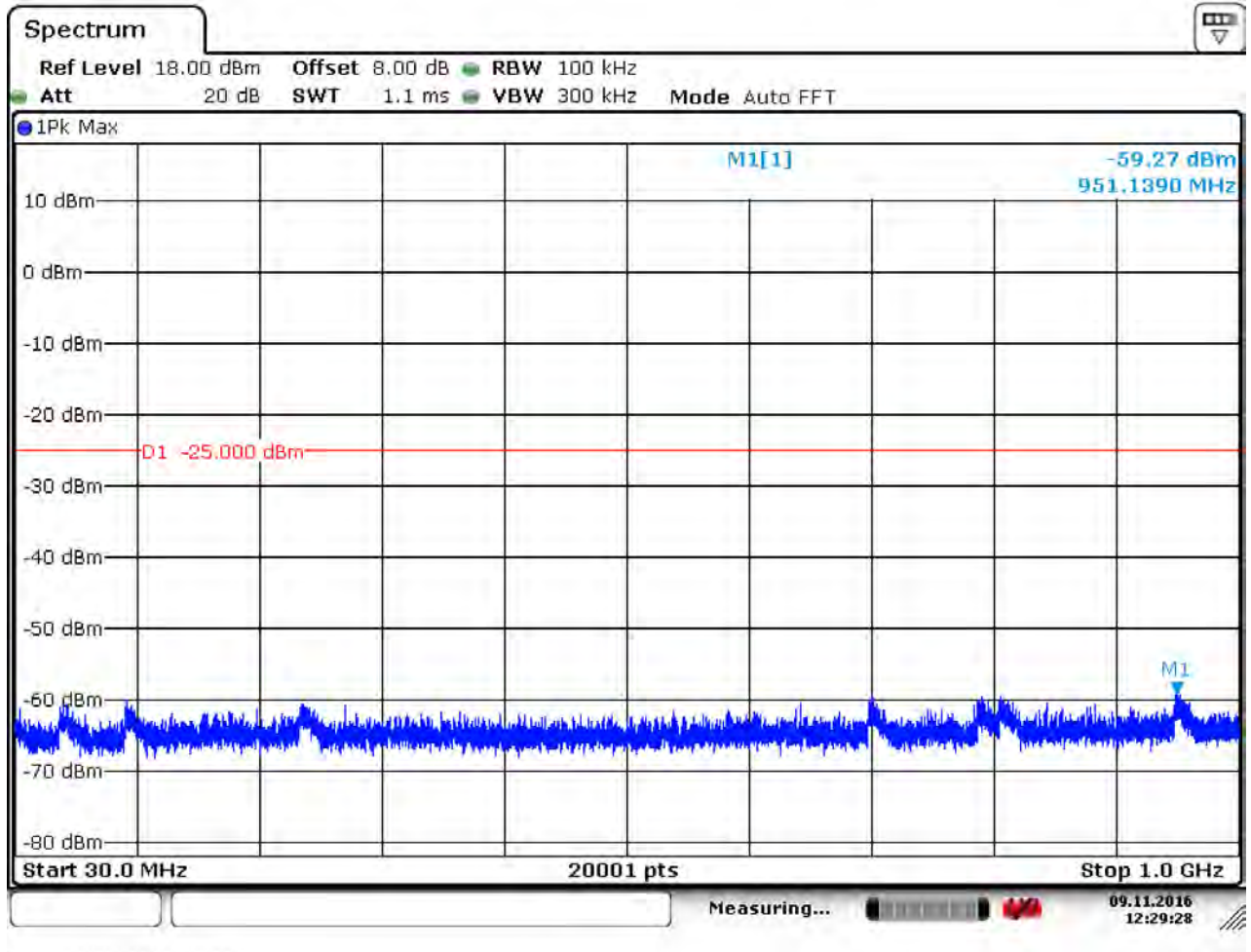
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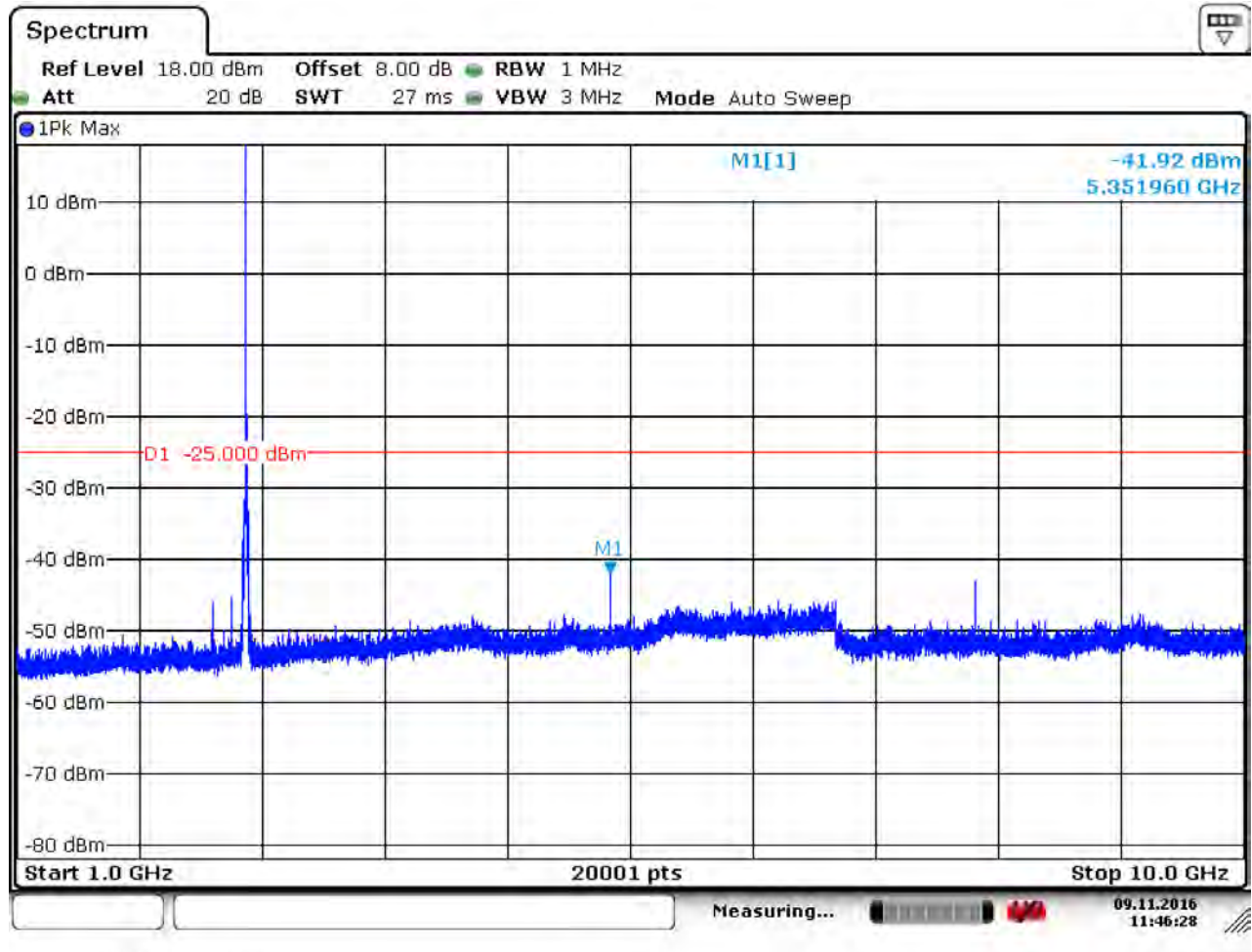
Date: 9.NOV.2016 12:26:29



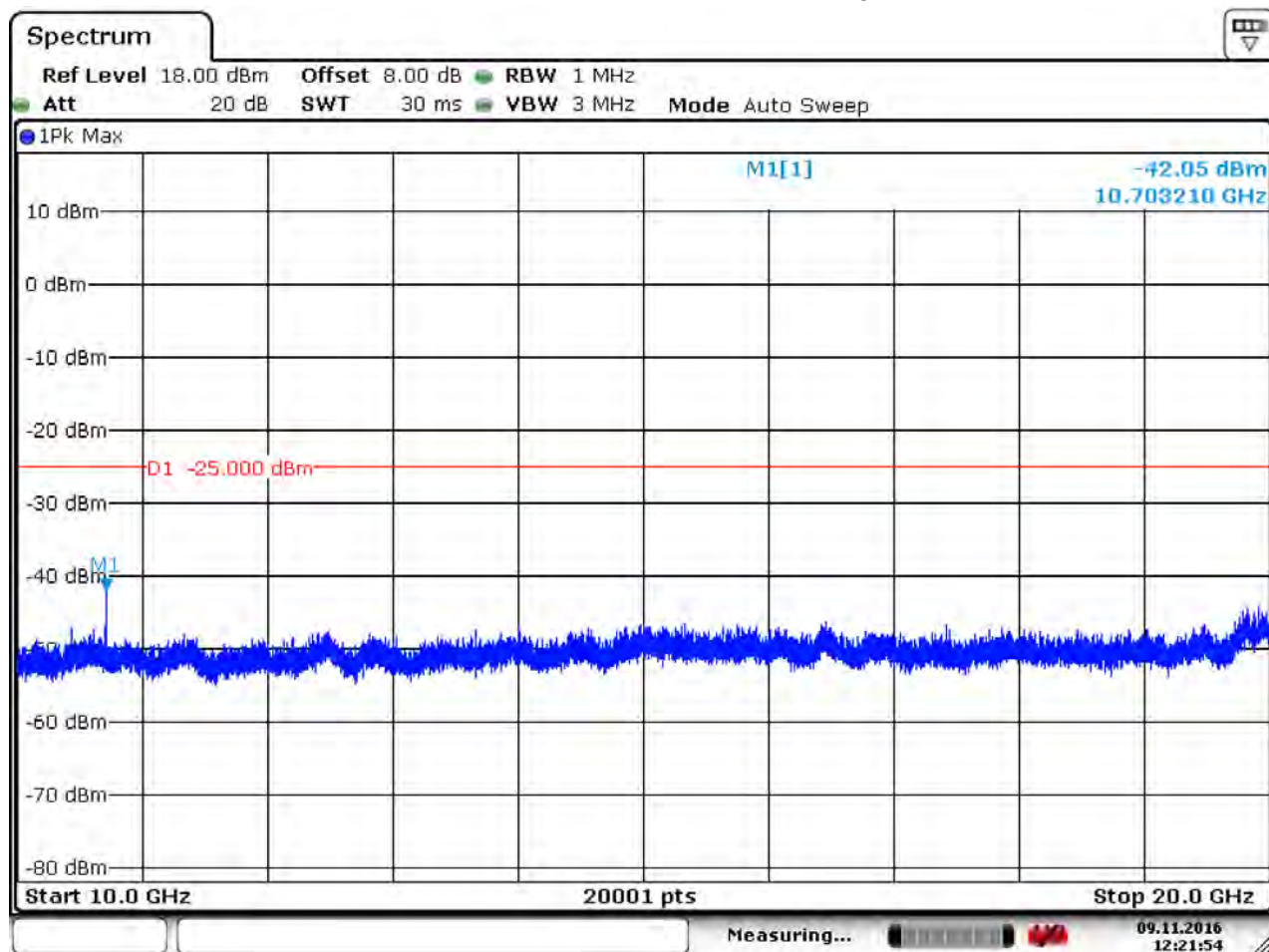
6.1.1.3.3 Test Channel = HCH



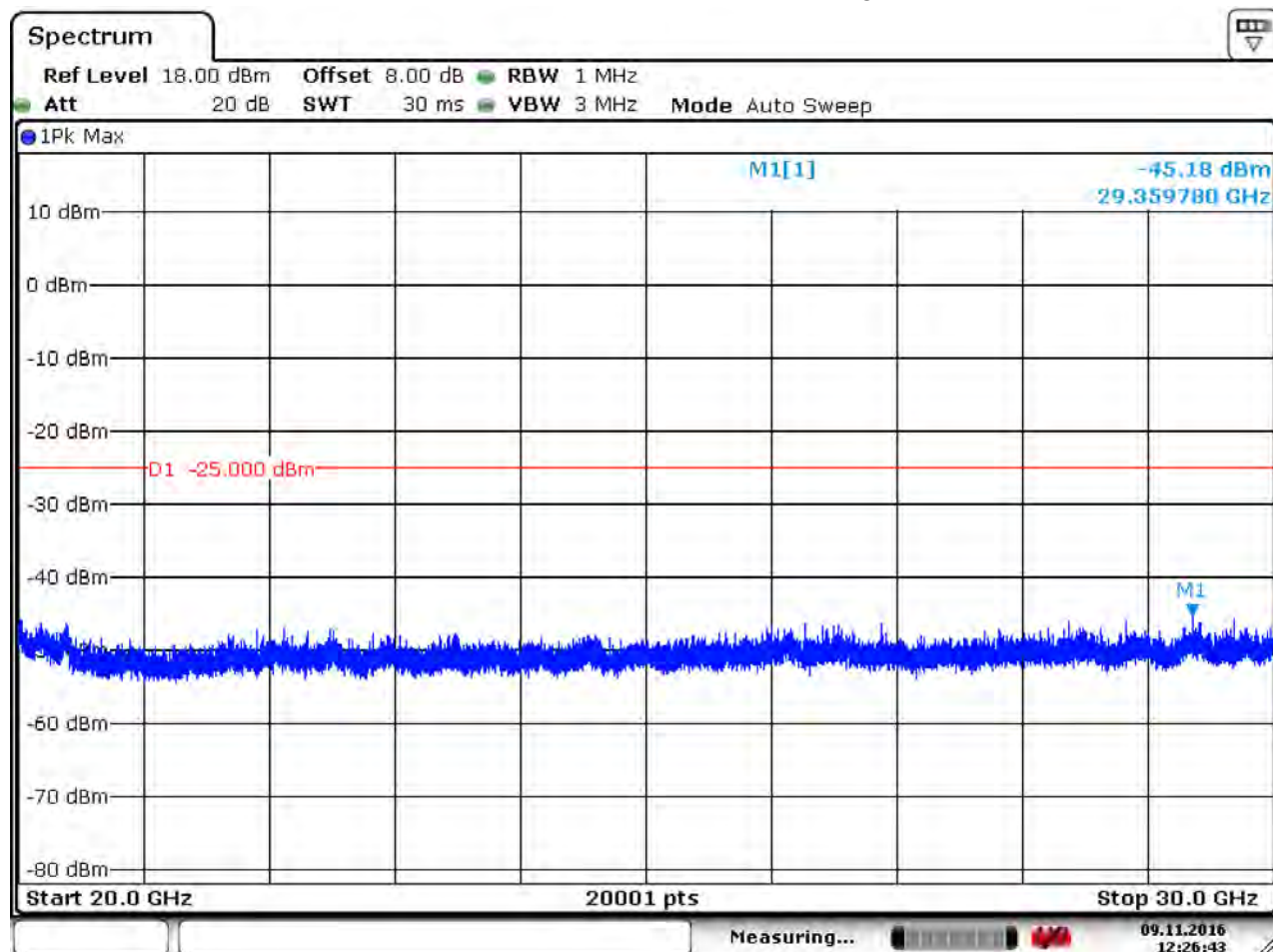
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Date: 9.NOV.2016 11:46:28



Date: 9.NOV.2016 12:21:55



Date: 9.NOV.2016 12:26:43



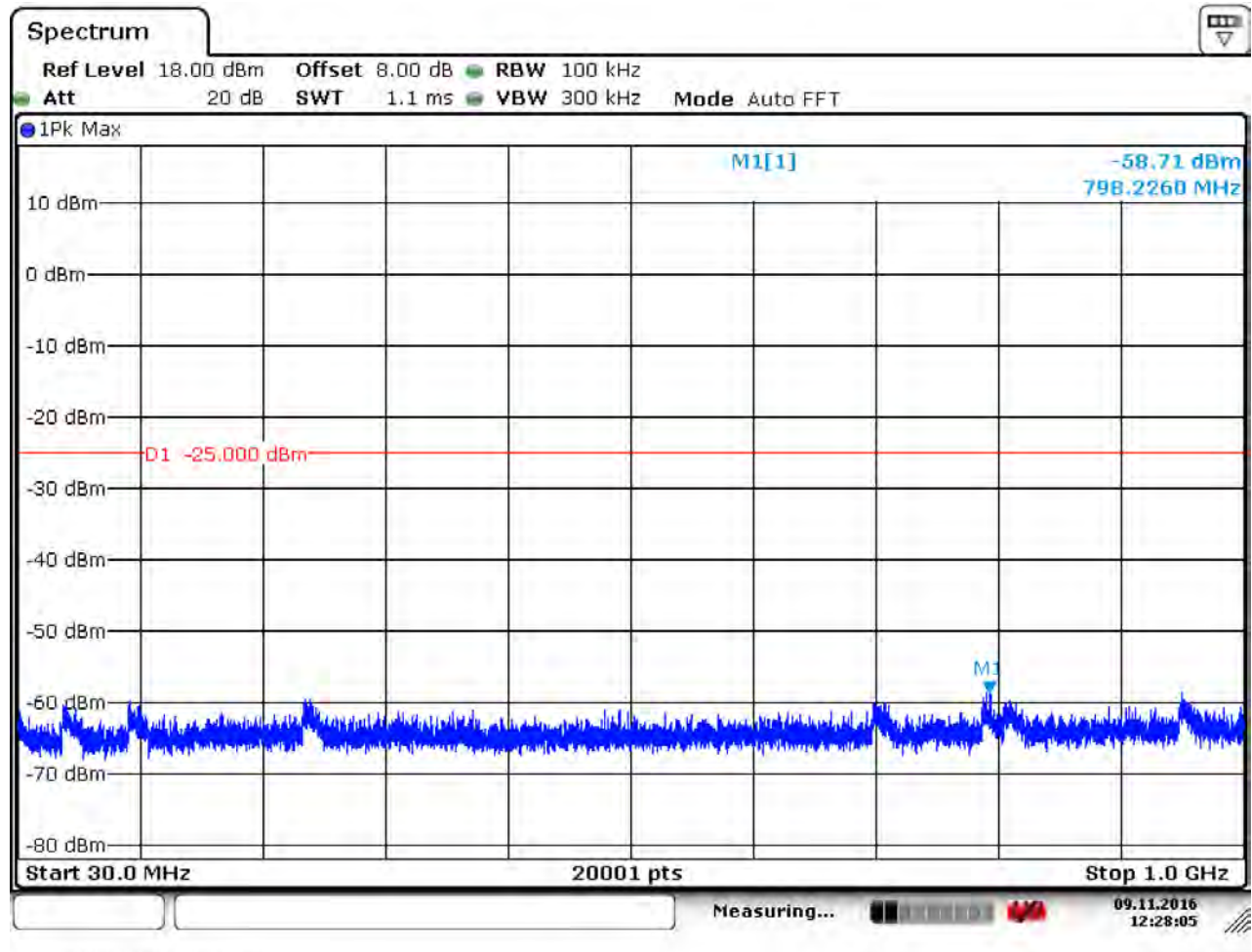
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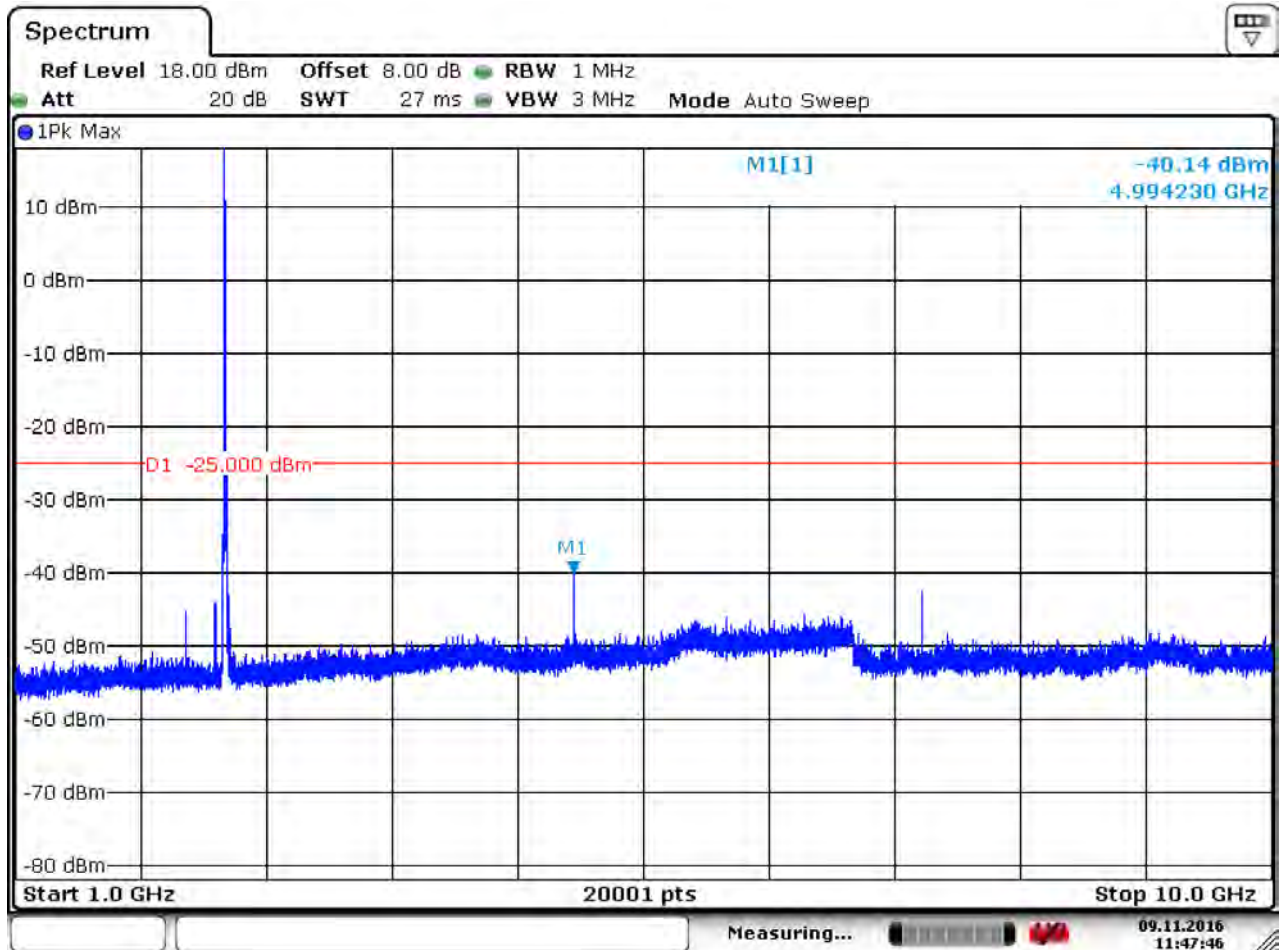
6.1.1.4 Test Mode = LTE / TM1 20MHz RB1#0

6.1.1.4.1 Test Channel = LCH



Date: 9.NOV.2016 12:28:06

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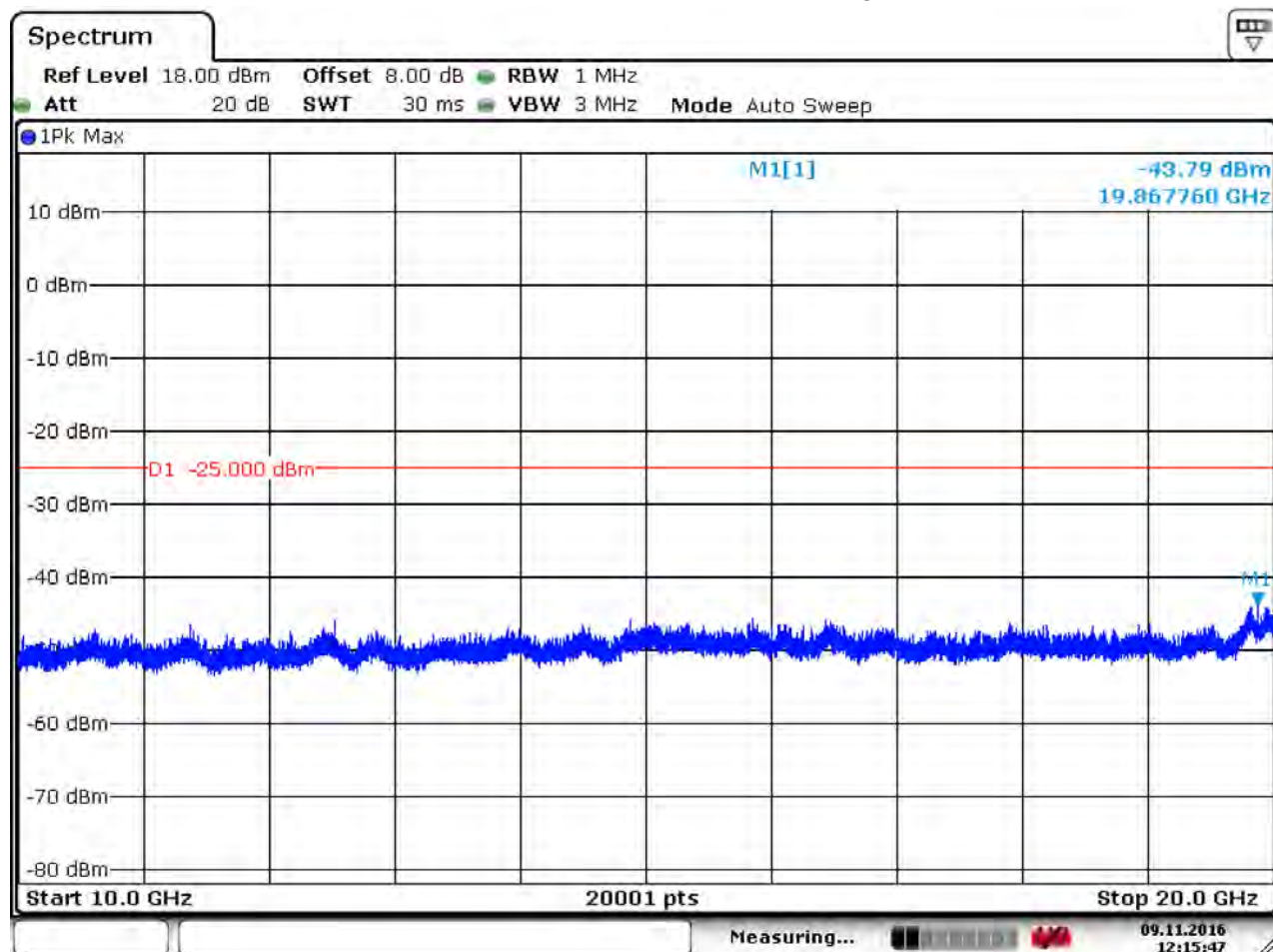


Date: 9.NOV.2016 11:47:46



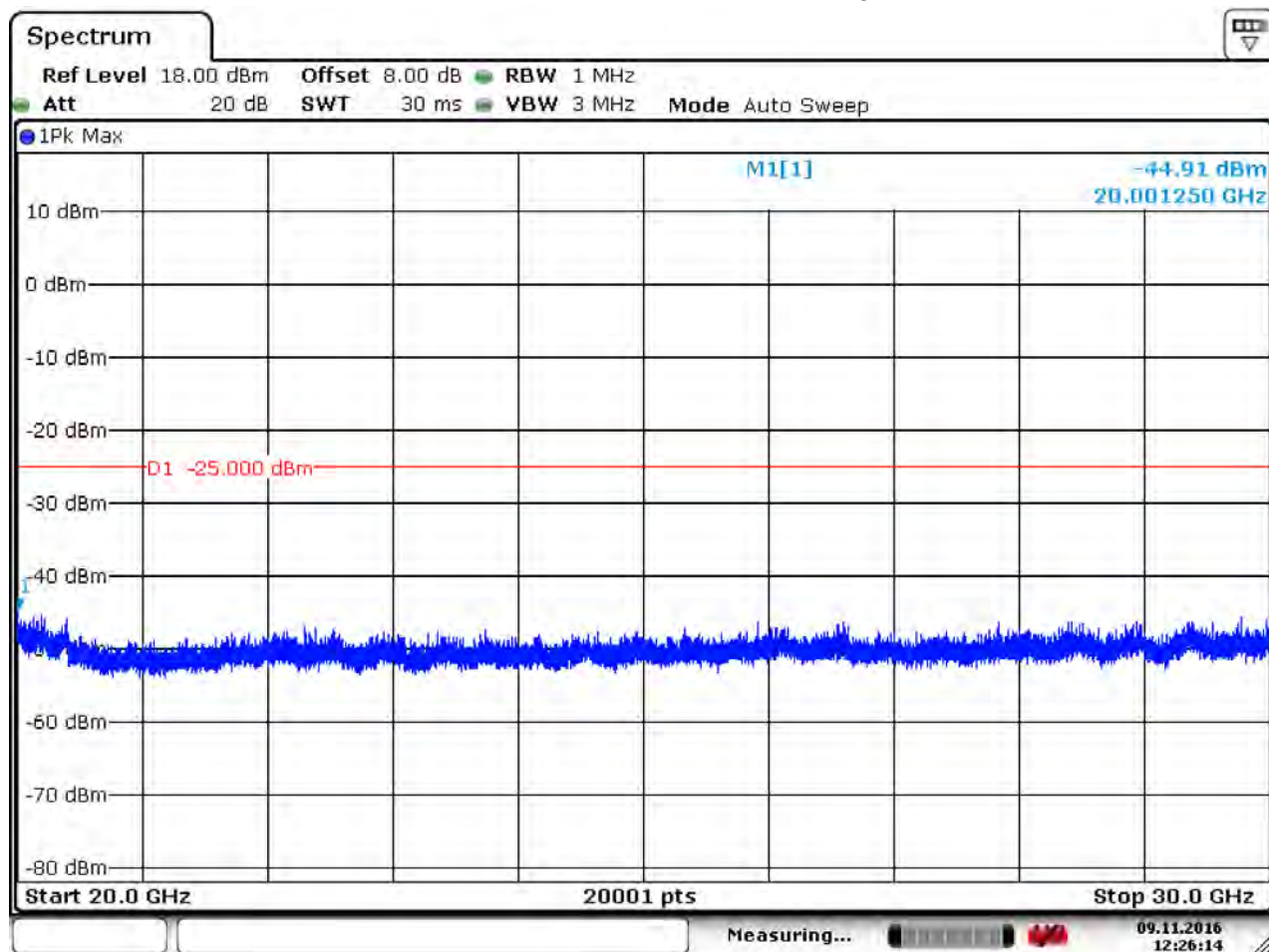
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Date: 9.NOV.2016 12:15:47

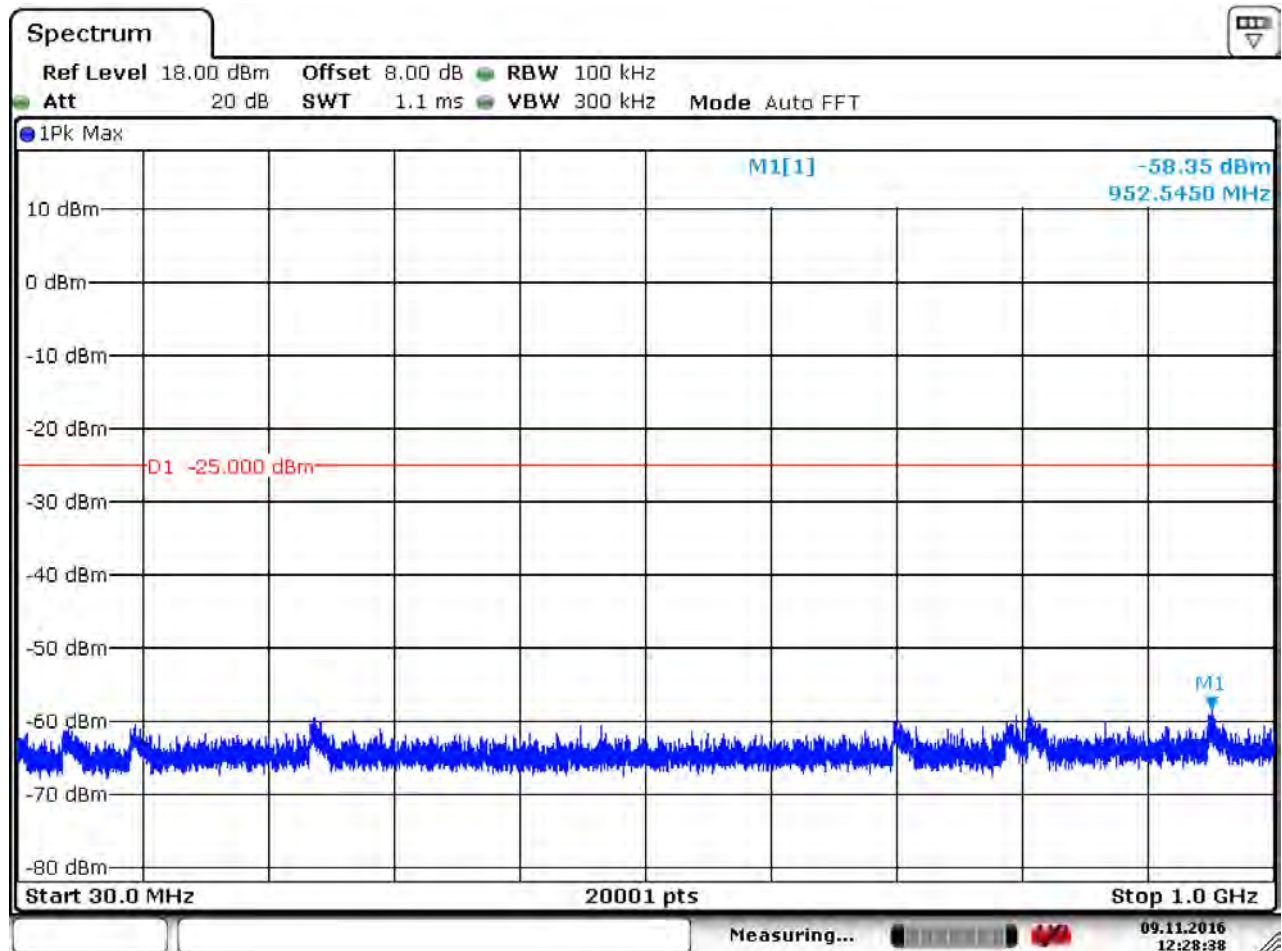
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Date: 9.NOV.2016 12:26:14



6.1.1.4.2 Test Channel = MCH



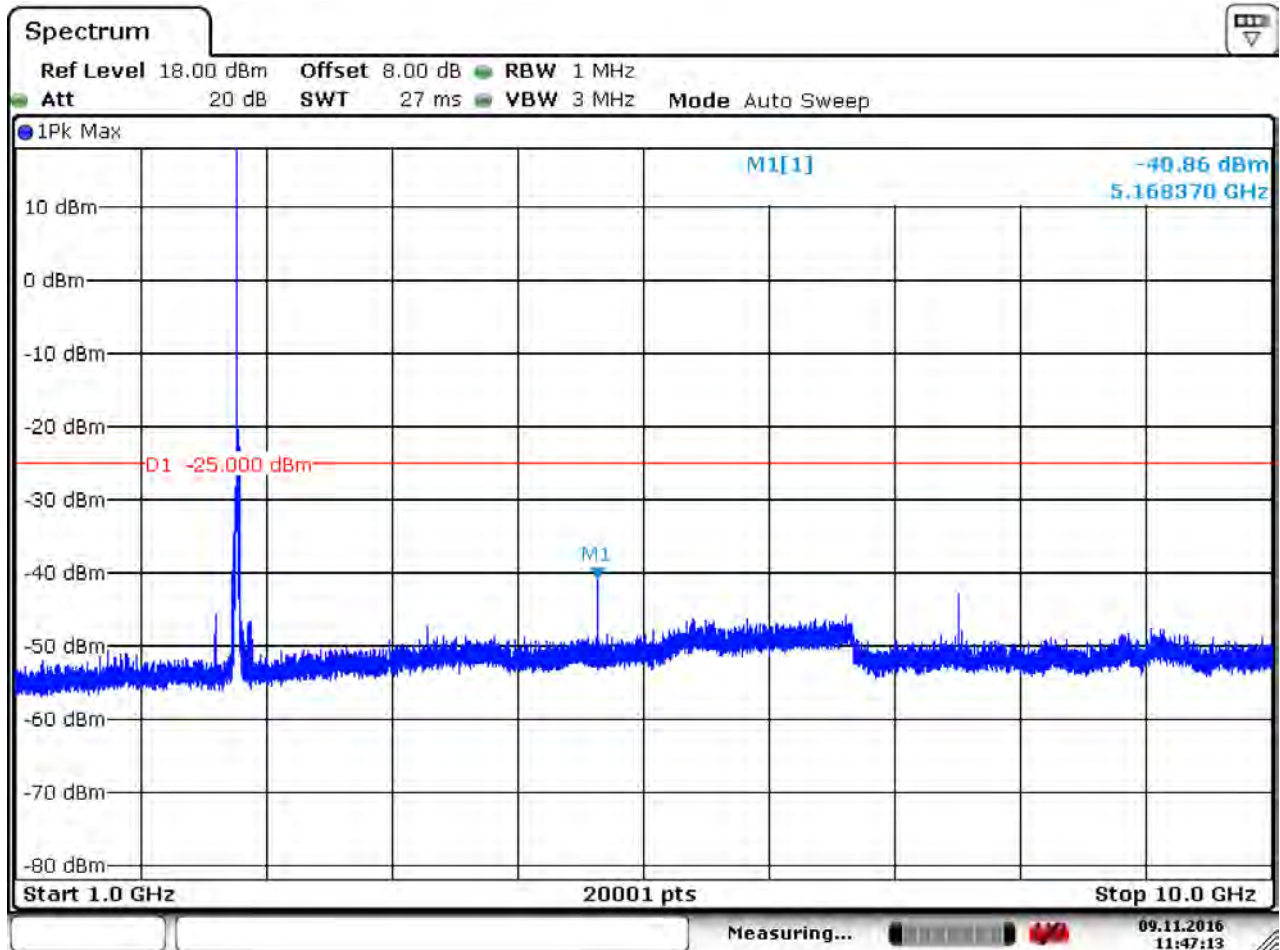
Date: 9 NOV. 2016 12:28:39



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Date: 9.NOV.2016 11:47:13

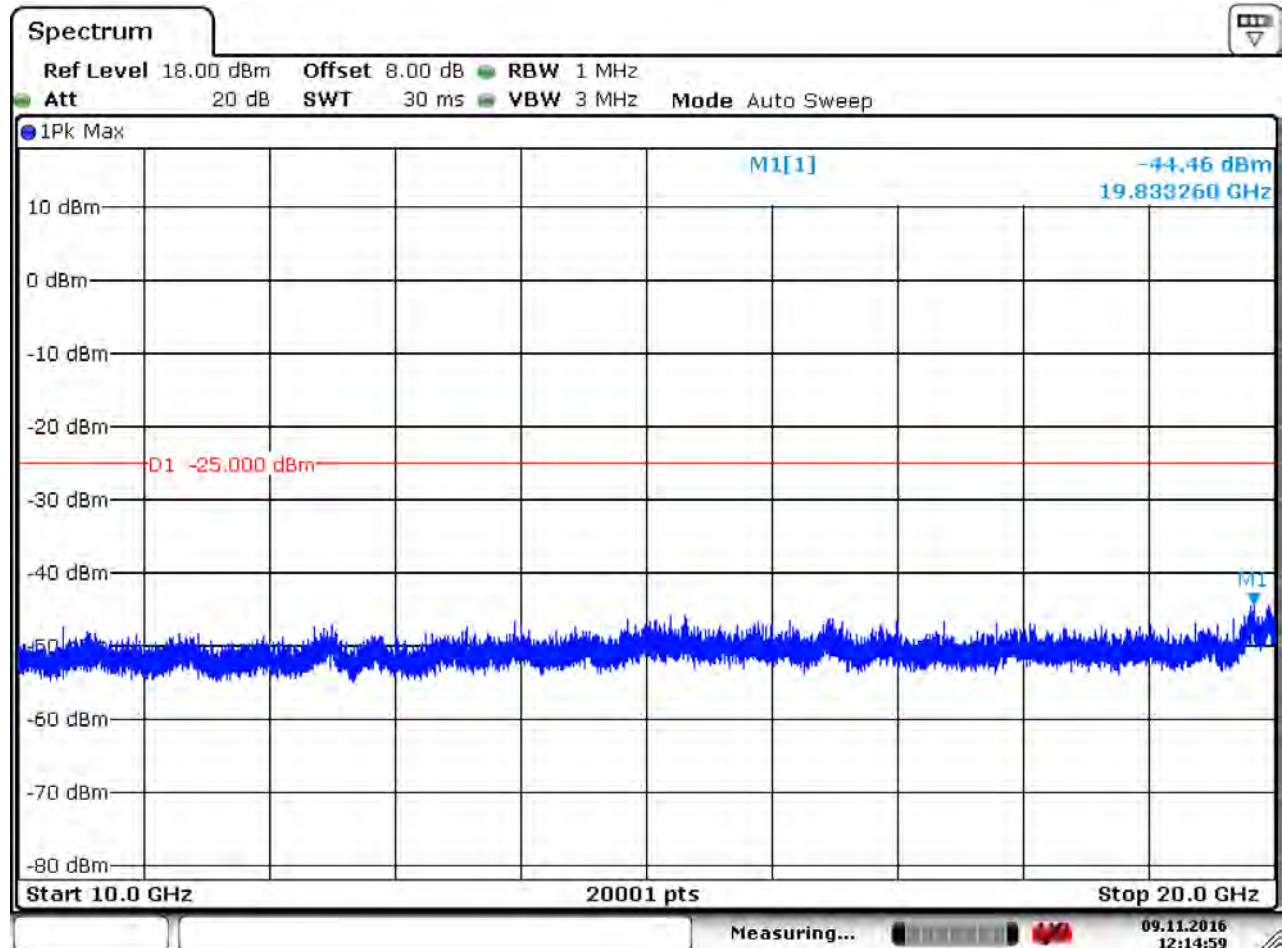
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Date: 9.NOV.2016 12:14:59

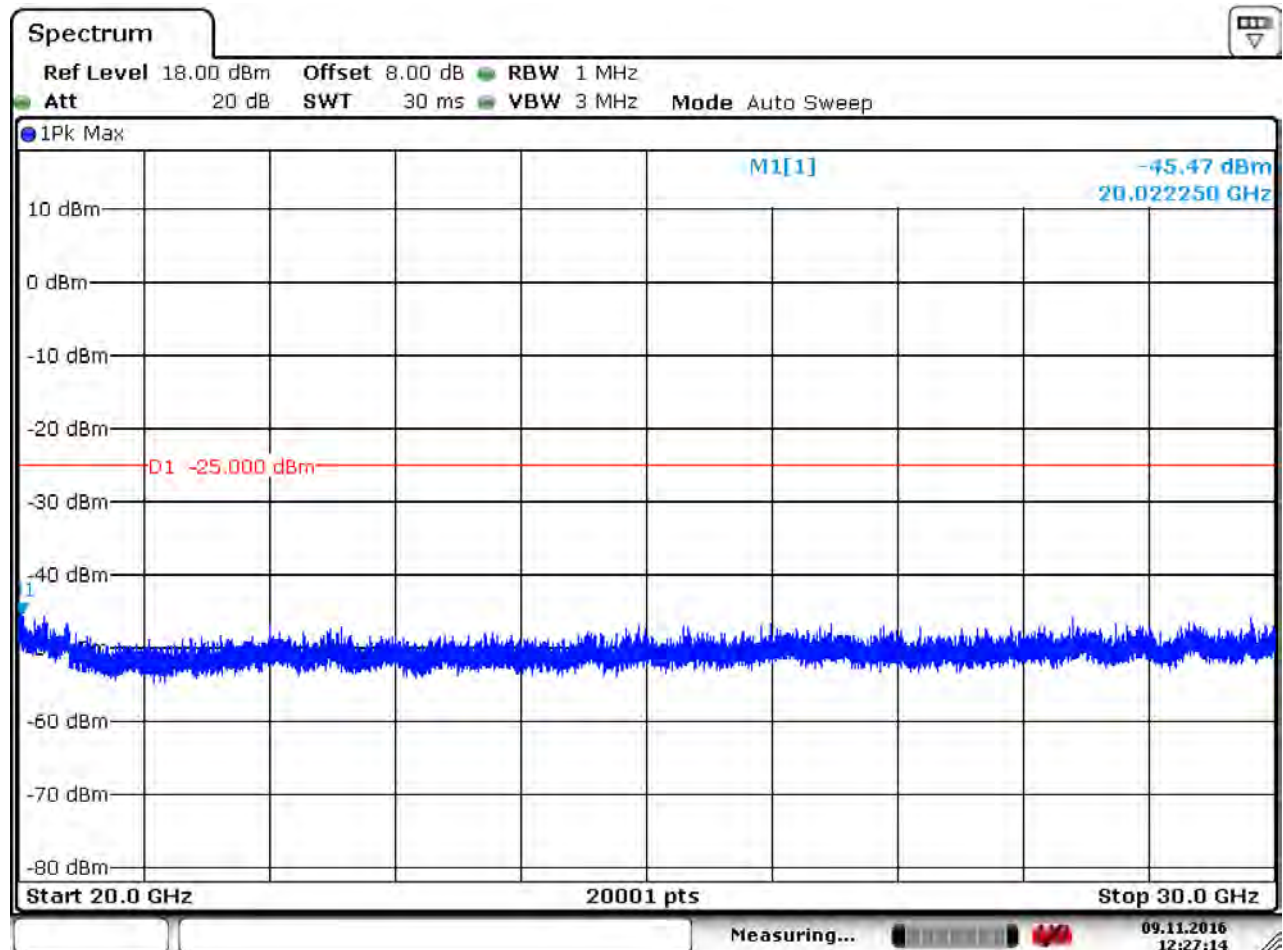
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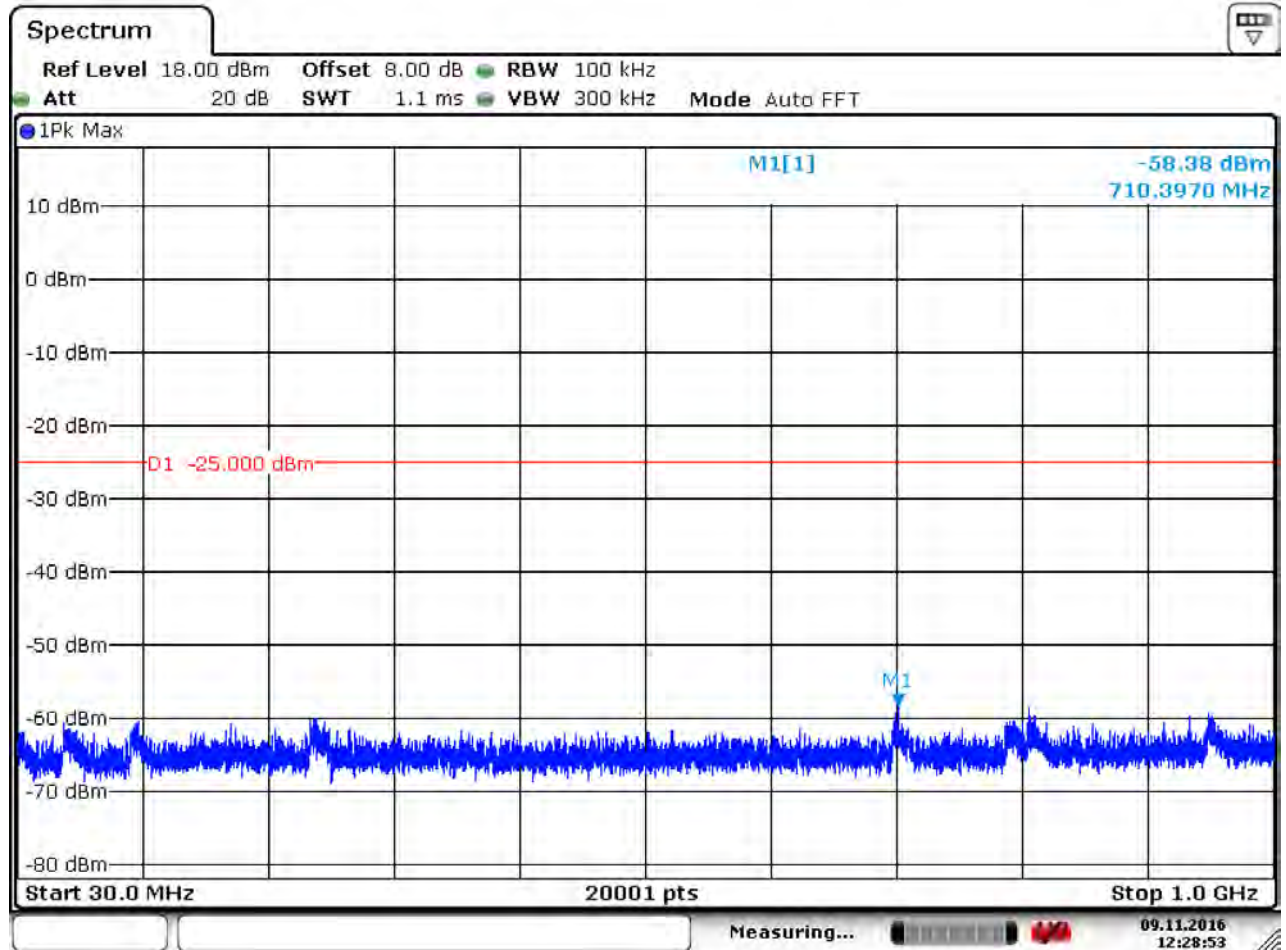


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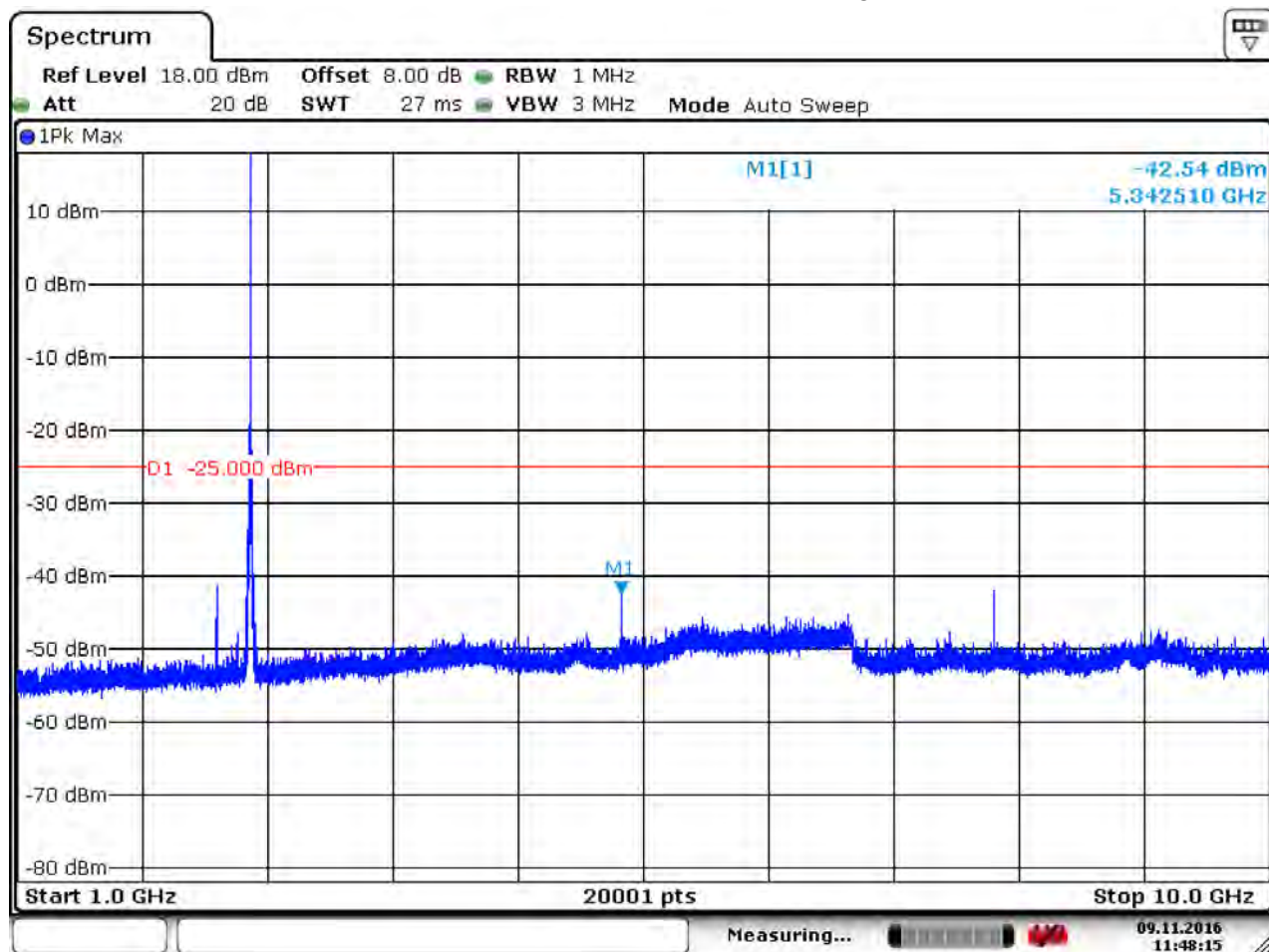
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6.1.1.4.3 Test Channel = HCH



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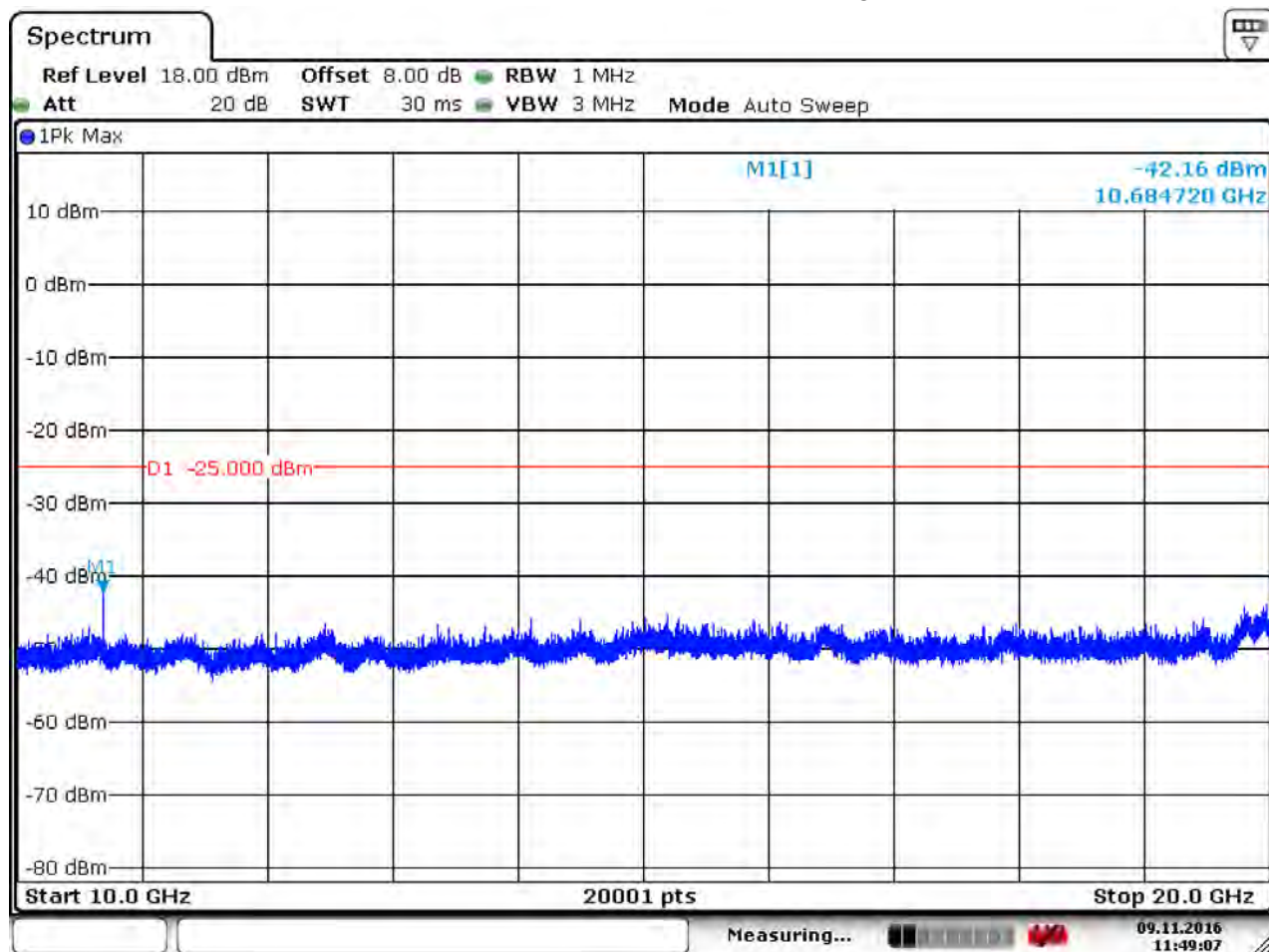


Date: 9.NOV.2016 11:48:16



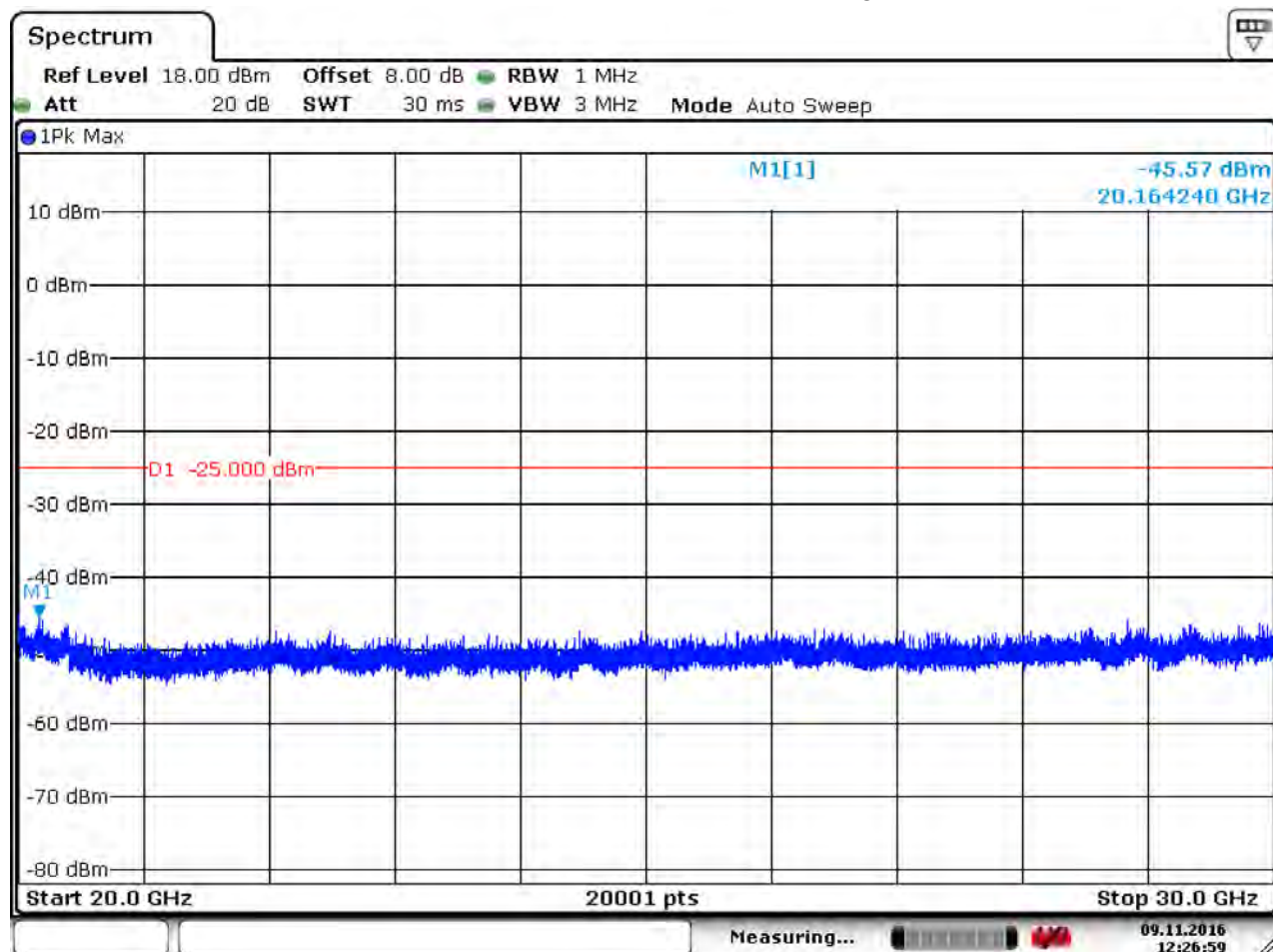
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7 Field Strength of Spurious Radiation

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = LTEband41

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

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.000	-94.22	-25.00	-69.22	Vertical
126.500	-91.35	-25.00	-66.35	Vertical
188.000	-93.83	-25.00	-68.83	Vertical
261.000	-91.25	-25.00	-66.25	Vertical
361.500	-87.23	-25.00	-62.23	Vertical
575.500	-82.05	-25.00	-57.05	Vertical
1276.000	-66.25	-25.00	-41.25	Vertical
2112.000	-44.88	-25.00	-19.88	Vertical
3585.000	-52.35	-25.00	-27.35	Vertical
6510.000	-49.43	-25.00	-24.43	Vertical
7885.000	-64.12	-25.00	-39.12	Vertical
10507.500	-63.74	-25.00	-38.74	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.000	-93.82	-25.00	-68.82	Horizontal
135.000	-94.25	-25.00	-69.25	Horizontal
202.200	-93.37	-25.00	-68.37	Horizontal
278.800	-89.37	-25.00	-64.37	Horizontal
391.200	-89.30	-25.00	-64.30	Horizontal
587.500	-81.60	-25.00	-56.60	Horizontal
1210.000	-66.96	-25.00	-41.96	Horizontal
2013.000	-43.69	-25.00	-18.69	Horizontal
4170.500	-51.18	-25.00	-26.18	Horizontal
6900.000	-49.15	-25.00	-24.15	Horizontal
8465.000	-64.60	-25.00	-39.60	Horizontal
10605.000	-63.63	-25.00	-38.63	Horizontal



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Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
130.800	-92.92	-25.00	-67.92	Vertical
247.000	-92.83	-25.00	-67.83	Vertical
363.800	-87.65	-25.00	-62.65	Vertical
553.500	-85.49	-25.00	-60.49	Vertical
791.000	-81.52	-25.00	-56.52	Vertical
1122.000	-50.00	-25.00	-25.00	Vertical
1474.000	-49.72	-25.00	-24.72	Vertical
1705.000	-47.53	-25.00	-22.53	Vertical
4217.500	-67.60	-25.00	-42.60	Vertical
6972.500	-65.27	-25.00	-40.27	Vertical
9727.500	-64.46	-25.00	-39.46	Vertical
11872.500	-63.44	-25.00	-38.44	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
80.400	-95.35	-25.00	-70.35	Horizontal
126.600	-96.34	-25.00	-71.34	Horizontal
265.200	-89.22	-25.00	-64.22	Horizontal
483.000	-86.98	-25.00	-61.98	Horizontal
791.000	-81.98	-25.00	-56.98	Horizontal
1397.000	-50.58	-25.00	-25.58	Horizontal
1694.000	-47.77	-25.00	-22.77	Horizontal
2013.500	-46.32	-25.00	-21.32	Horizontal
4510.000	-65.32	-25.00	-40.32	Horizontal
6882.500	-65.43	-25.00	-40.43	Horizontal
9240.000	-63.82	-25.00	-38.82	Horizontal
11190.000	-64.28	-25.00	-39.28	Horizontal

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7.1.1.1.2 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
101.000	-95.25	-25.00	-70.25	Vertical
198.000	-94.83	-25.00	-69.83	Vertical
336.600	-88.23	-25.00	-63.23	Vertical
517.000	-87.59	-25.00	-62.59	Vertical
758.000	-83.03	-25.00	-58.03	Vertical
1265.500	-68.27	-25.00	-43.27	Vertical
2432.000	-42.13	-25.00	-17.13	Vertical
3877.500	-51.78	-25.00	-26.78	Vertical
6022.500	-49.78	-25.00	-24.78	Vertical
7972.500	-65.38	-25.00	-40.38	Vertical
9240.000	-64.20	-25.00	-39.20	Vertical
11872.500	-63.49	-25.00	-38.49	Vertical

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
76.000	-93.72	-25.00	-68.72	Horizontal
139.500	-94.80	-25.00	-69.80	Horizontal
265.500	-89.32	-25.00	-64.32	Horizontal
483.000	-86.98	-25.00	-61.98	Horizontal
791.000	-81.48	-25.00	-56.48	Horizontal
1496.000	-65.96	-25.00	-40.96	Horizontal
3975.000	-51.53	-25.00	-26.53	Horizontal
6247.500	-49.38	-25.00	-24.38	Horizontal
7192.500	-65.12	-25.00	-40.12	Horizontal
9142.500	-63.73	-25.00	-38.73	Horizontal
10117.500	-48.50	-25.00	-23.50	Horizontal
11970.000	-64.14	-25.00	-39.14	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.

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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 band41	LTE/TM1 20MHz	LCH	TN	VL	-6.03	-0.00241	PASS
				VN	0.46	0.00018	PASS
				VH	-5.73	-0.00229	PASS
		MCH	TN	VL	1.49	0.00057	PASS
				VN	-2.94	-0.00113	PASS
				VH	2.63	0.00101	PASS
		HCH	TN	VL	-6.26	-0.00234	PASS
				VN	-5.13	-0.00191	PASS
				VH	-0.74	-0.00028	PASS
	LTE/TM2 20MHz	LCH	TN	VL	-7.08	-0.00283	PASS
				VN	-2.65	-0.00106	PASS
				VH	-5.12	-0.00204	PASS
		MCH	TN	VL	1.53	0.00059	PASS
				VN	-2.82	-0.00109	PASS
				VH	2.39	0.00092	PASS
		HCH	TN	VL	-3.04	-0.00113	PASS
				VN	-6.02	-0.00225	PASS
				VH	0.34	0.00013	PASS
	LTE/TM3 20MHz	LCH	TN	VL	-6.34	-0.00253	PASS
				VN	-3.14	-0.00125	PASS
				VH	-3.35	-0.00134	PASS
		MCH	TN	VL	-0.43	-0.00017	PASS
				VN	1.43	0.00055	PASS
				VH	-4.36	-0.00168	PASS
		HCH	TN	VL	-5.43	-0.00203	PASS
				VN	-5.12	-0.00191	PASS
				VH	-3.04	-0.00113	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 band41	LTE/TM1 20MHz	LCH	VN	-30	-3.13	-0.00125	PASS
				-20	0.47	0.00019	PASS
				-10	1.46	0.00058	PASS
				0	-4.27	-0.00170	PASS
				10	0.23	0.00009	PASS
				20	4.95	0.00198	PASS
				30	-0.72	-0.00029	PASS
				40	-1.16	-0.00046	PASS
				50	-7.90	-0.00315	PASS
		MCH	VN	-30	1.70	0.00066	PASS
				-20	0.04	0.00002	PASS
				-10	-4.31	-0.00166	PASS
				0	-3.15	-0.00121	PASS
				10	0.67	0.00026	PASS
				20	-7.31	-0.00282	PASS
				30	-5.85	-0.00226	PASS
				40	-7.42	-0.00286	PASS
				50	-5.66	-0.00218	PASS
		HCH	VN	-30	0.28	0.00010	PASS
				-20	-4.21	-0.00157	PASS
				-10	-3.92	-0.00146	PASS
				0	1.47	0.00055	PASS
				10	3.37	0.00126	PASS
				20	0.25	0.00009	PASS
				30	3.91	0.00146	PASS
				40	-0.75	-0.00028	PASS
				50	-5.11	-0.00191	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band41	LTE/TM2 20MHz	LCH	VN	-30	-7.71	-0.00308	PASS
				-20	-3.85	-0.00154	PASS
				-10	-7.50	-0.00299	PASS
				0	-5.58	-0.00223	PASS
				10	-4.09	-0.00163	PASS
				20	-489	-0.19513	PASS
				30	-5.70	-0.00227	PASS
				40	-4.69	-0.00187	PASS
				50	-6.85	-0.00273	PASS
		MCH	VN	-30	-2.39	-0.00092	PASS
				-20	1.73	0.00067	PASS
				-10	2.64	0.00102	PASS
				0	3.08	0.00119	PASS
				10	-0.35	-0.00013	PASS
				20	-0.14	-0.00005	PASS
				30	-4.65	-0.00179	PASS
				40	-6.60	-0.00255	PASS
				50	-1.60	-0.00062	PASS
		HCH	VN	-30	1.51	0.00056	PASS
				-20	-4.45	-0.00166	PASS
				-10	-7.87	-0.00294	PASS
				0	0.21	0.00008	PASS
				10	-6.61	-0.00247	PASS
				20	-2.27	-0.00085	PASS
				30	-8.13	-0.00303	PASS
				40	-3.07	-0.00115	PASS
				50	-6.42	-0.00240	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band41	LTE/TM3 20MHz	LCH	VN	-30	-0.40	-0.00016	PASS
				-20	-1.34	-0.00053	PASS
				-10	2.38	0.00095	PASS
				0	1.75	0.00070	PASS
				10	1.65	0.00066	PASS
				20	0.11	0.00004	PASS
				30	-0.31	-0.00012	PASS
				40	-0.14	-0.00006	PASS
				50	0.59	0.00024	PASS
		MCH	VN	-30	-7.80	-0.00301	PASS
				-20	-5.95	-0.00229	PASS
				-10	-7.49	-0.00289	PASS
				0	-5.62	-0.00217	PASS
				10	-4.04	-0.00156	PASS
				20	-9.94	-0.00383	PASS
				30	-5.66	-0.00218	PASS
				40	-4.62	-0.00178	PASS
				50	-6.92	-0.00267	PASS
		HCH	VN	-30	0.54	0.00020	PASS
				-20	-1.49	-0.00056	PASS
				-10	1.53	0.00057	PASS
				0	-2.83	-0.00106	PASS
				10	2.60	0.00097	PASS
				20	-0.57	-0.00021	PASS
				30	-2.66	-0.00099	PASS
				40	-5.43	-0.00203	PASS
				50	-8.90	-0.00332	PASS

The End

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