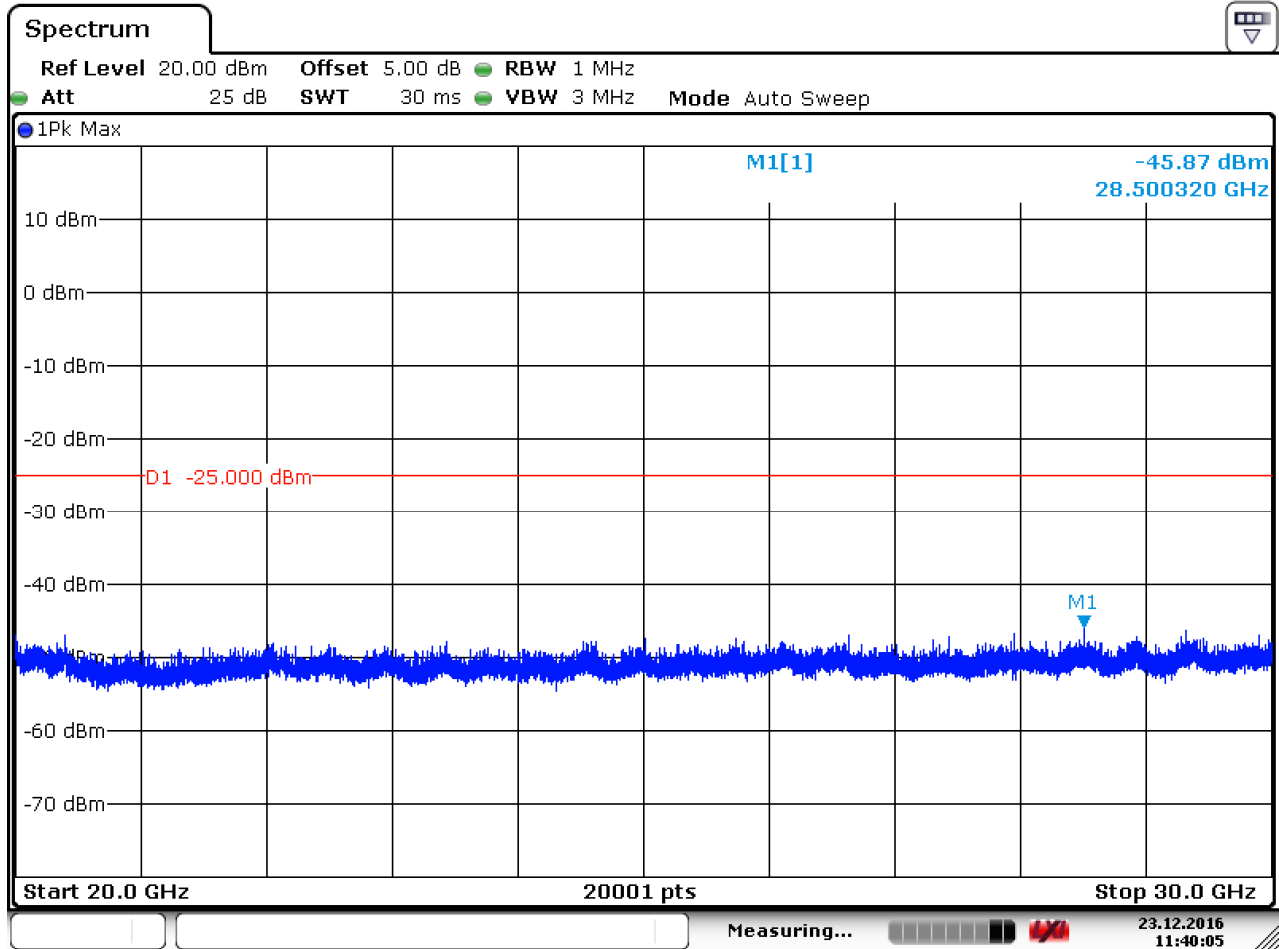


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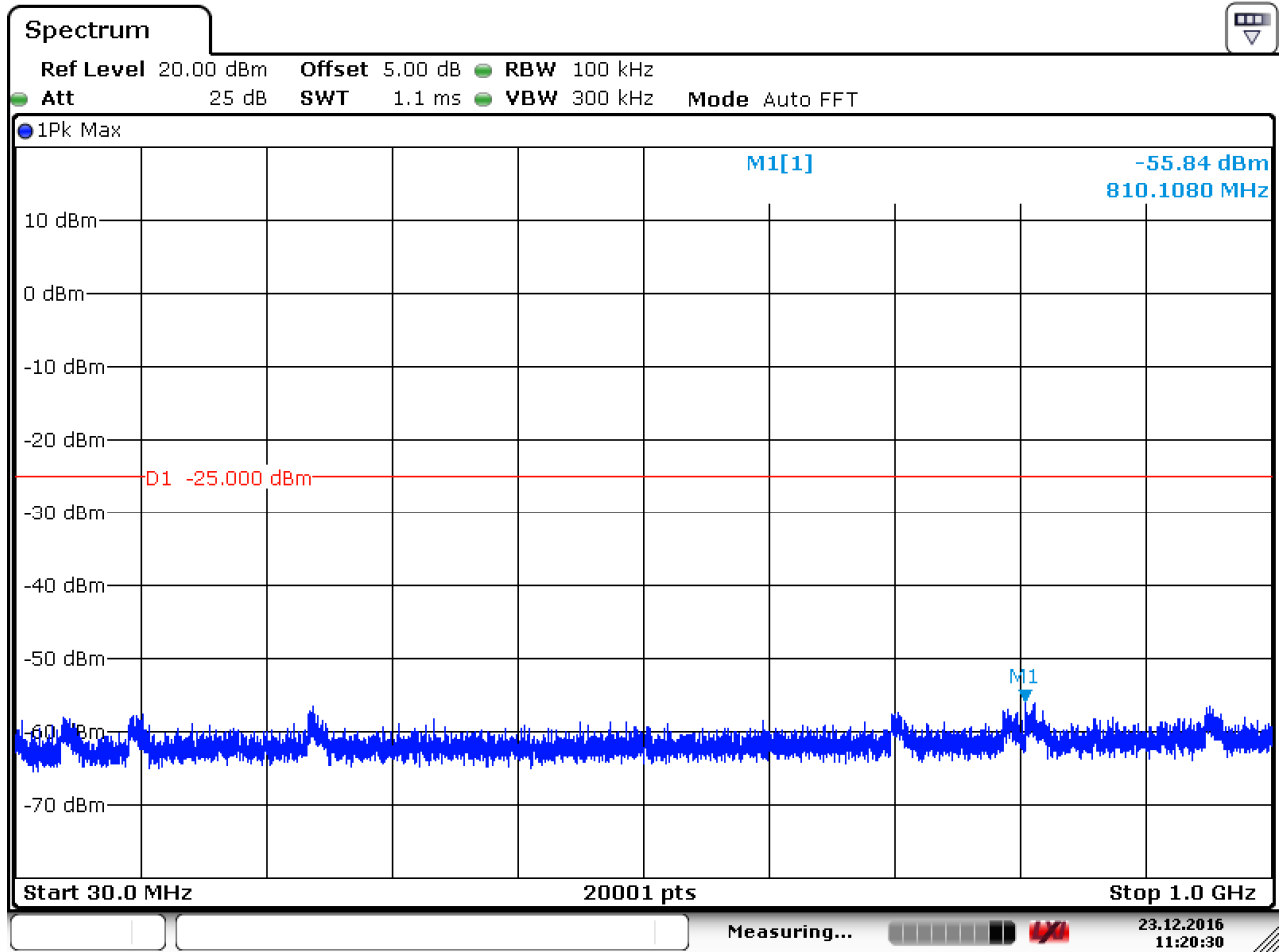


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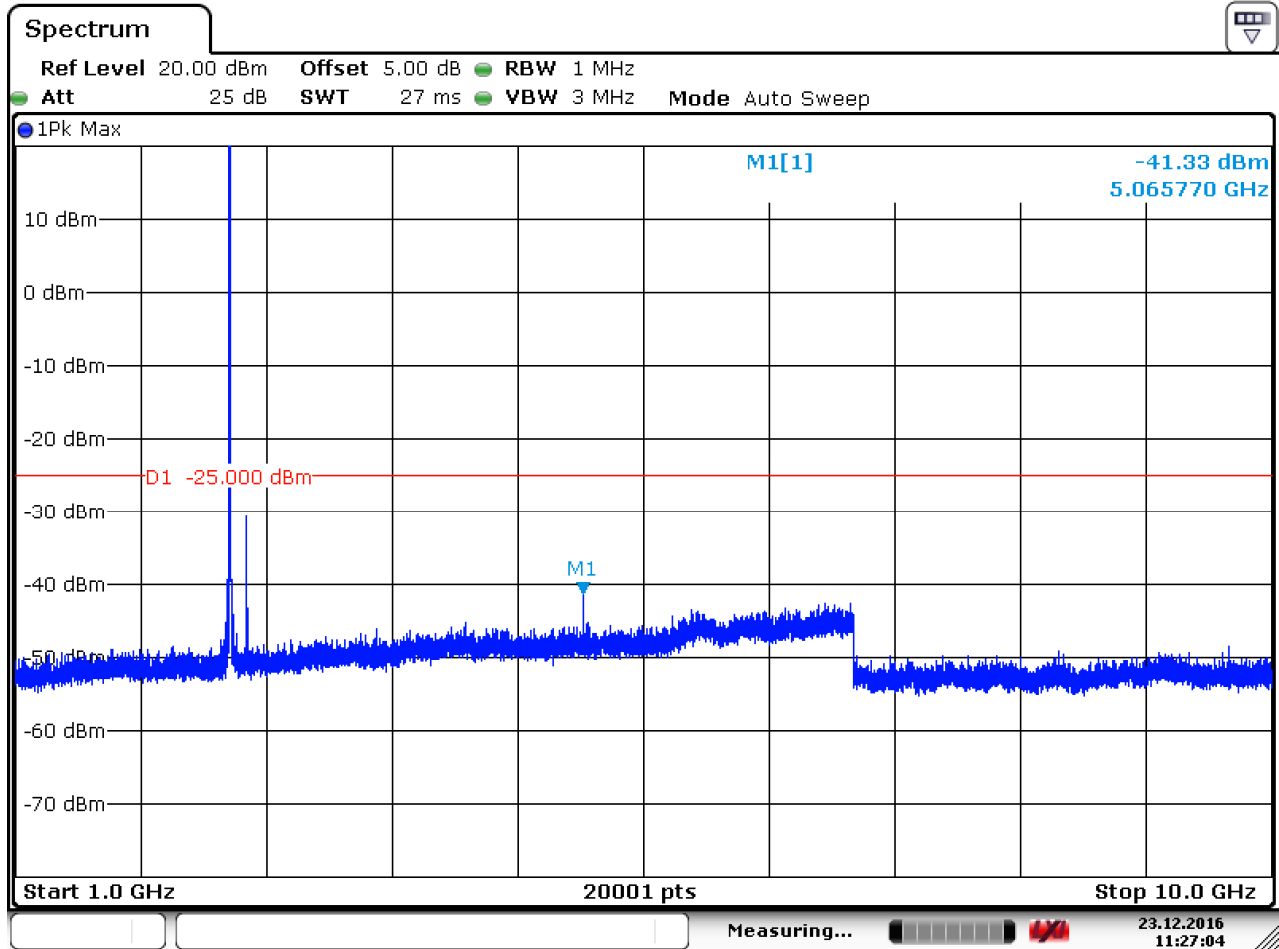


6.1.1.1.2 Test Channel = MCH



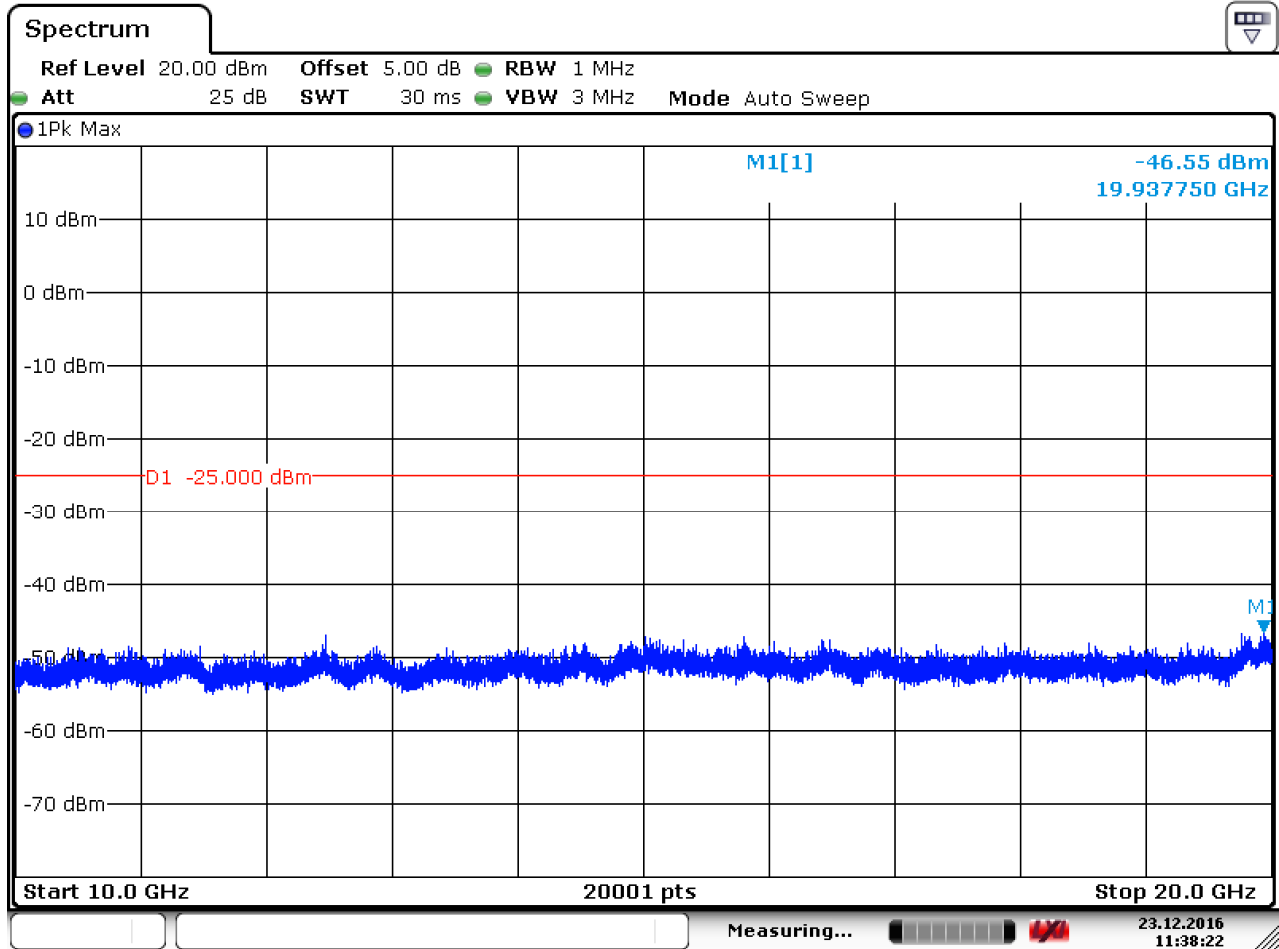
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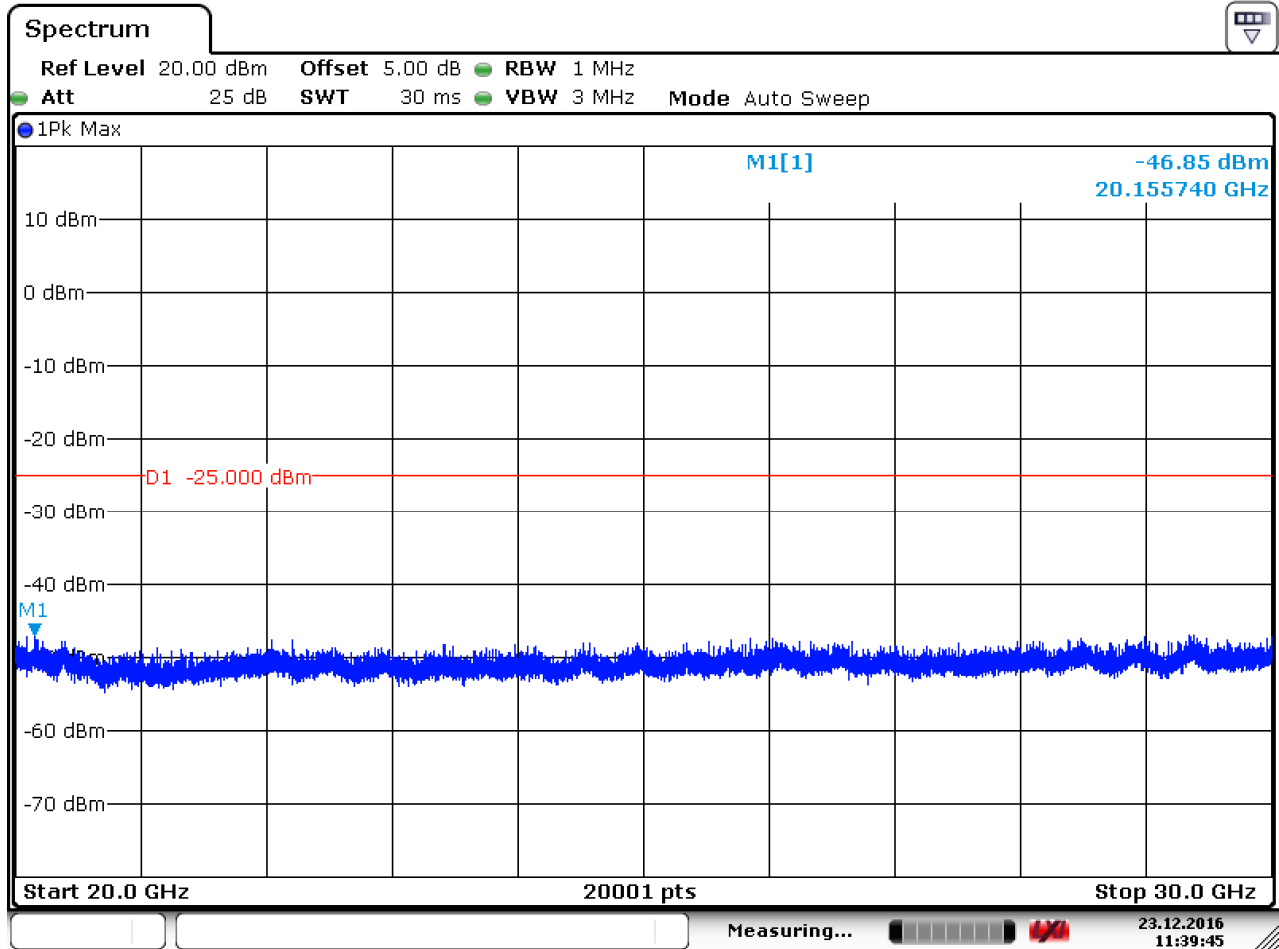
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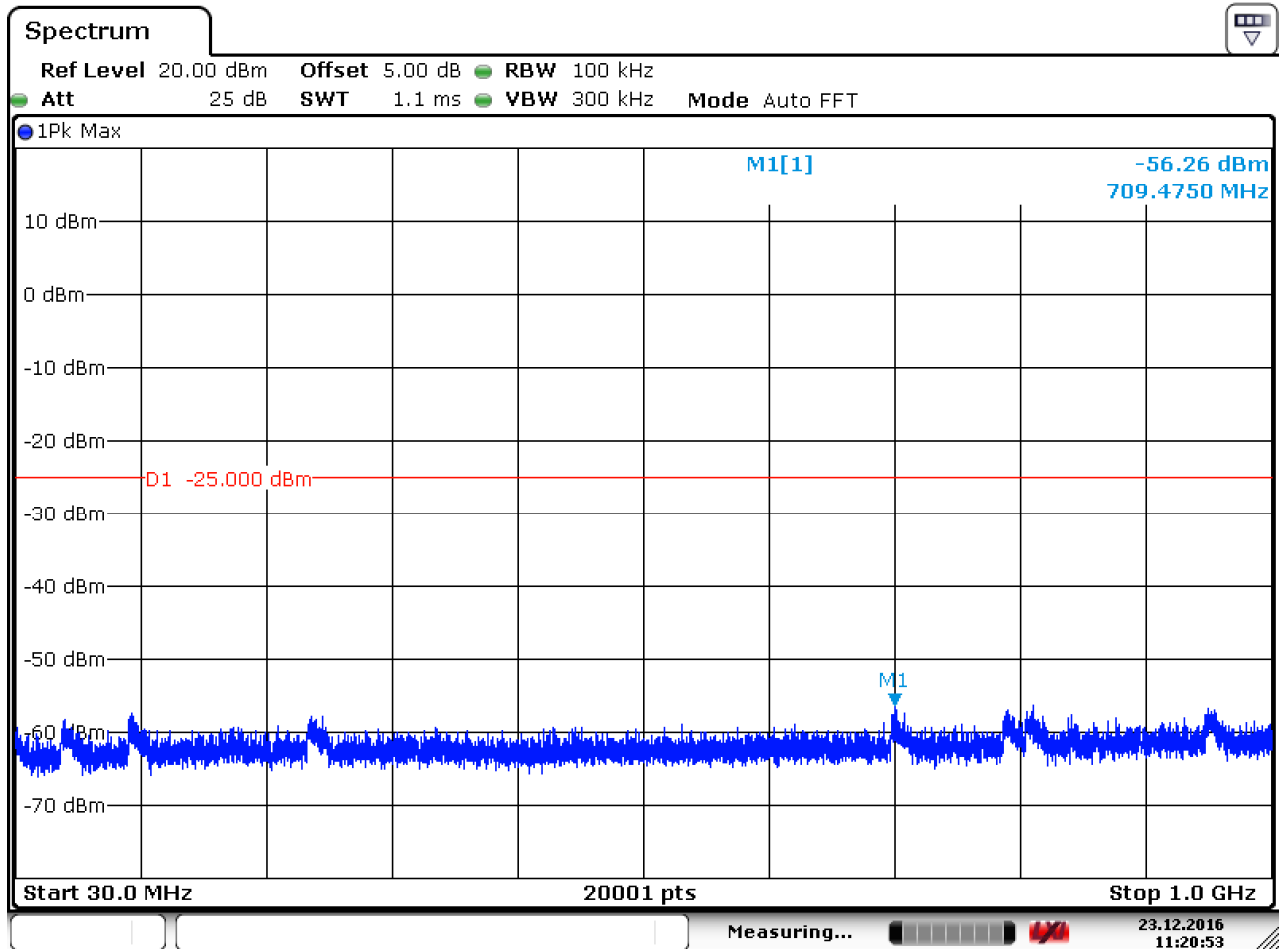


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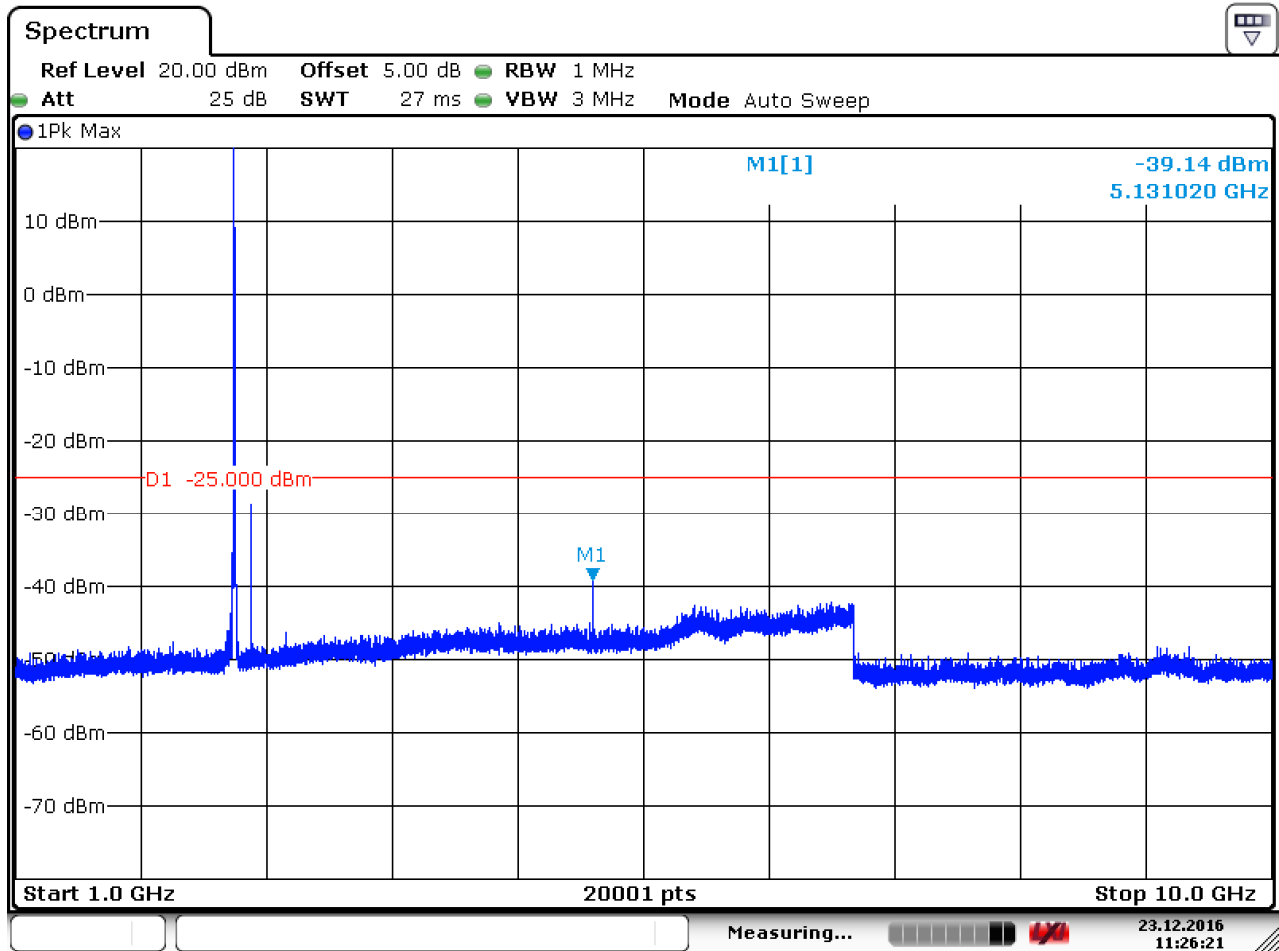


6.1.1.1.3 Test Channel = HCH



Date: 23.DEC.2016 11:20:53

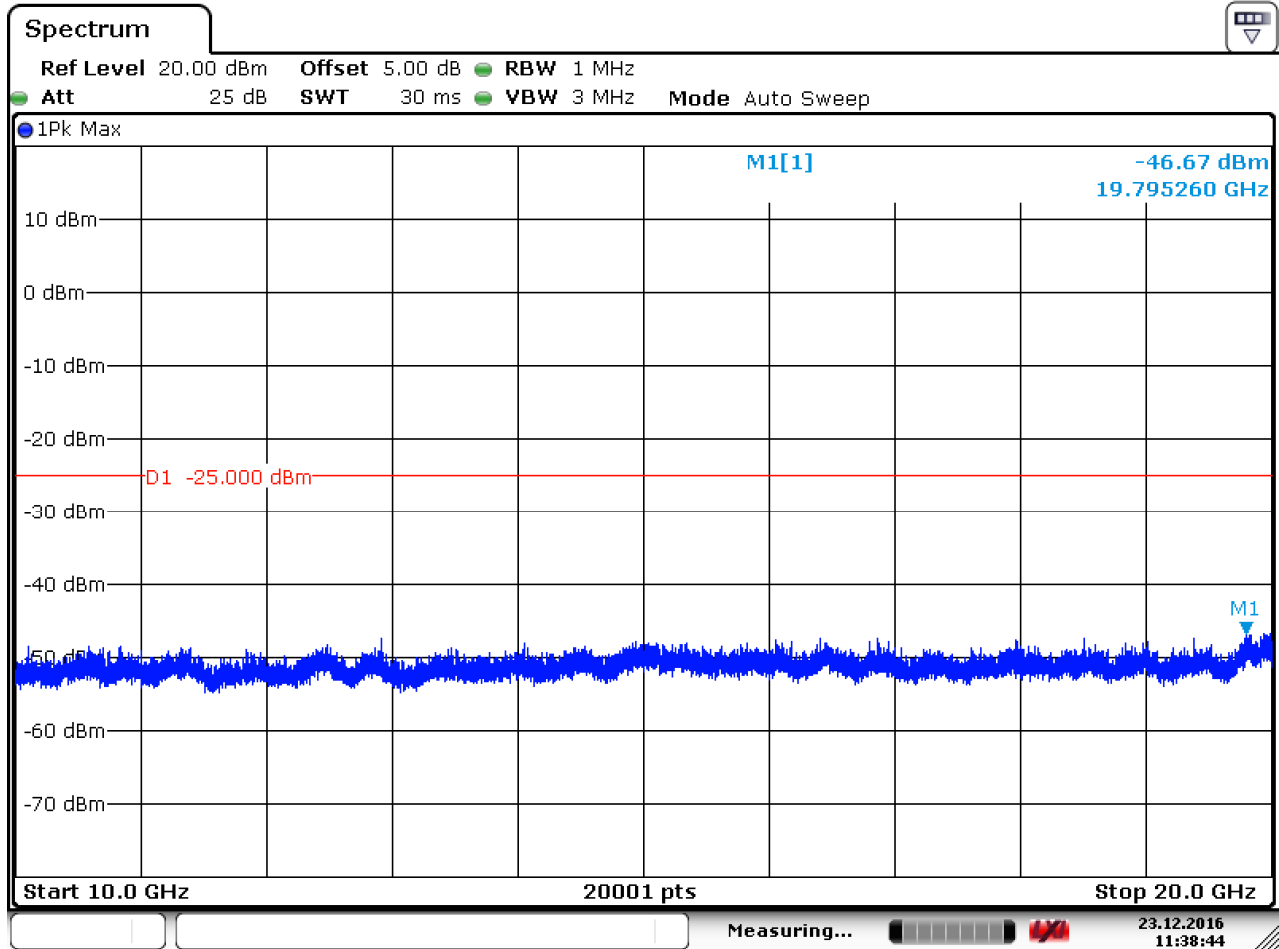
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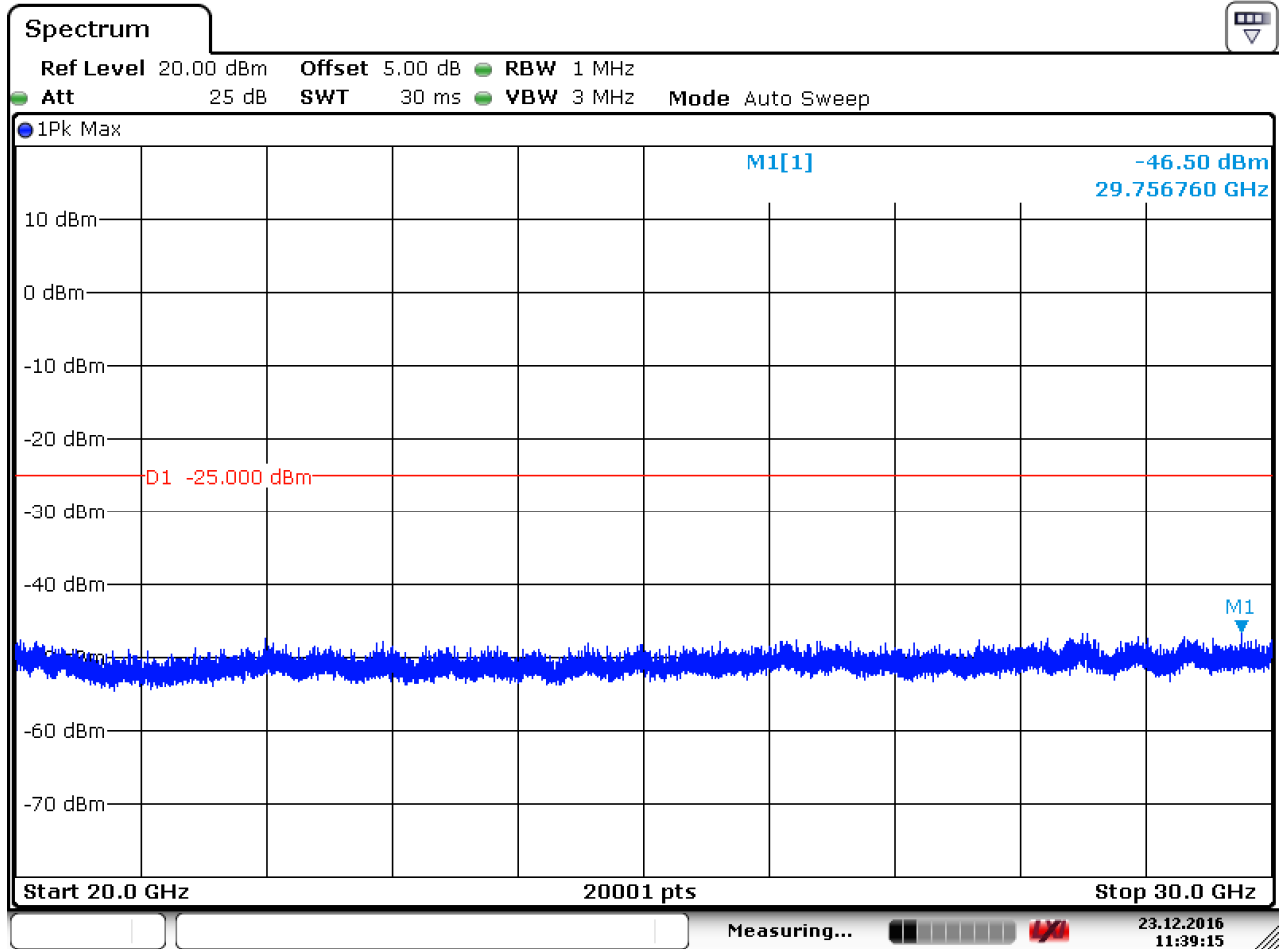
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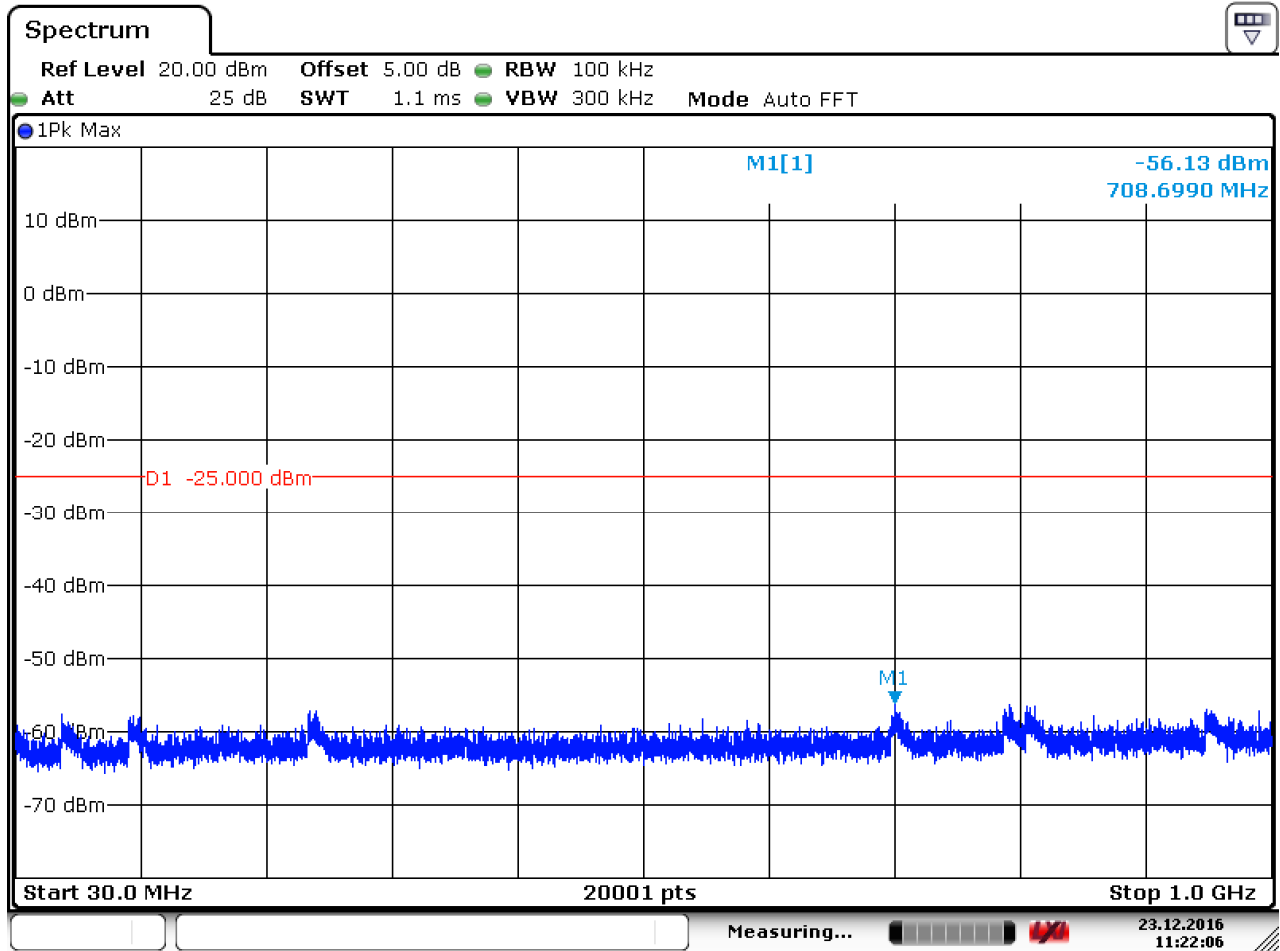
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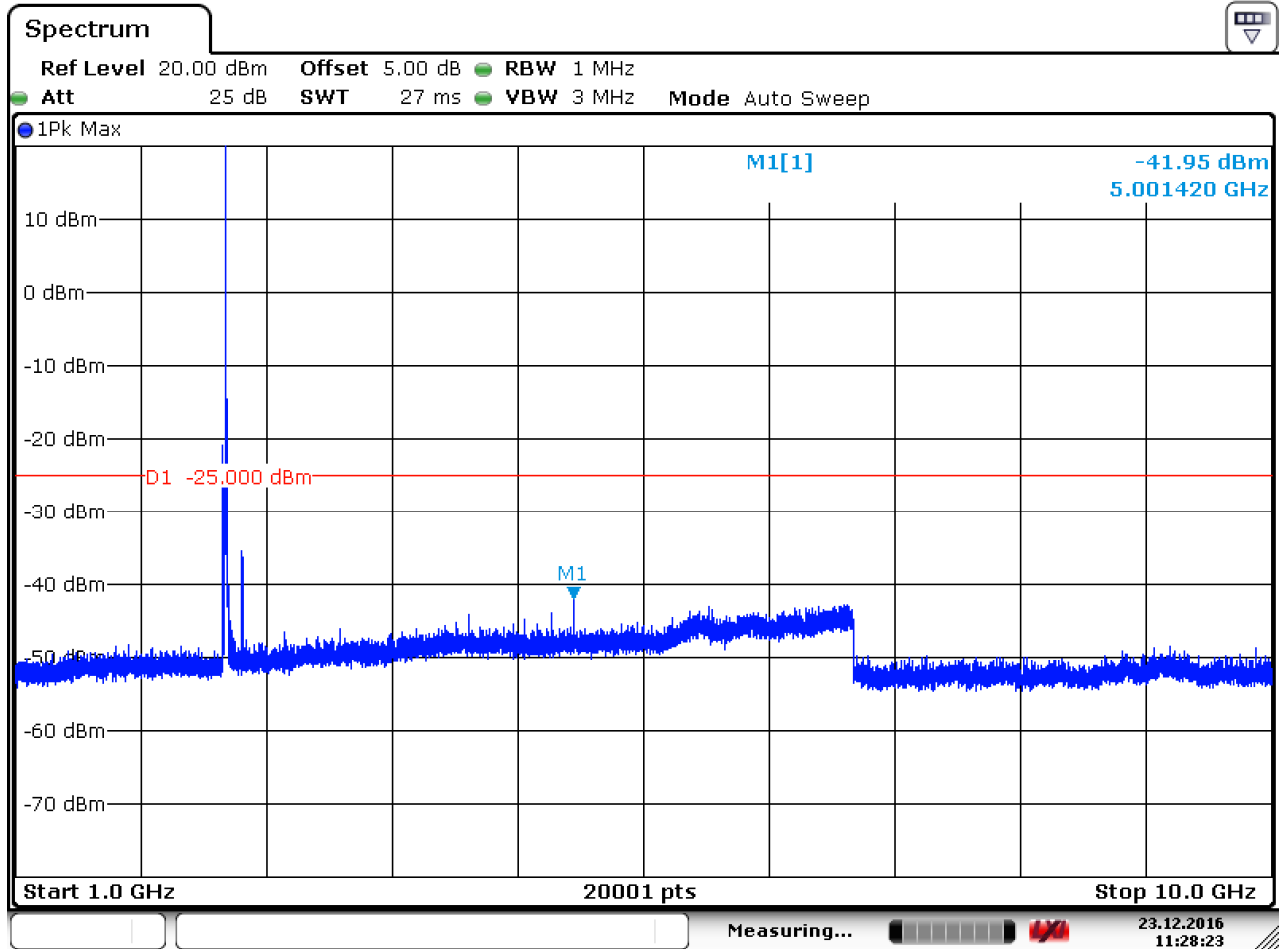


6.1.1.2 Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.2.1 Test Channel = LCH

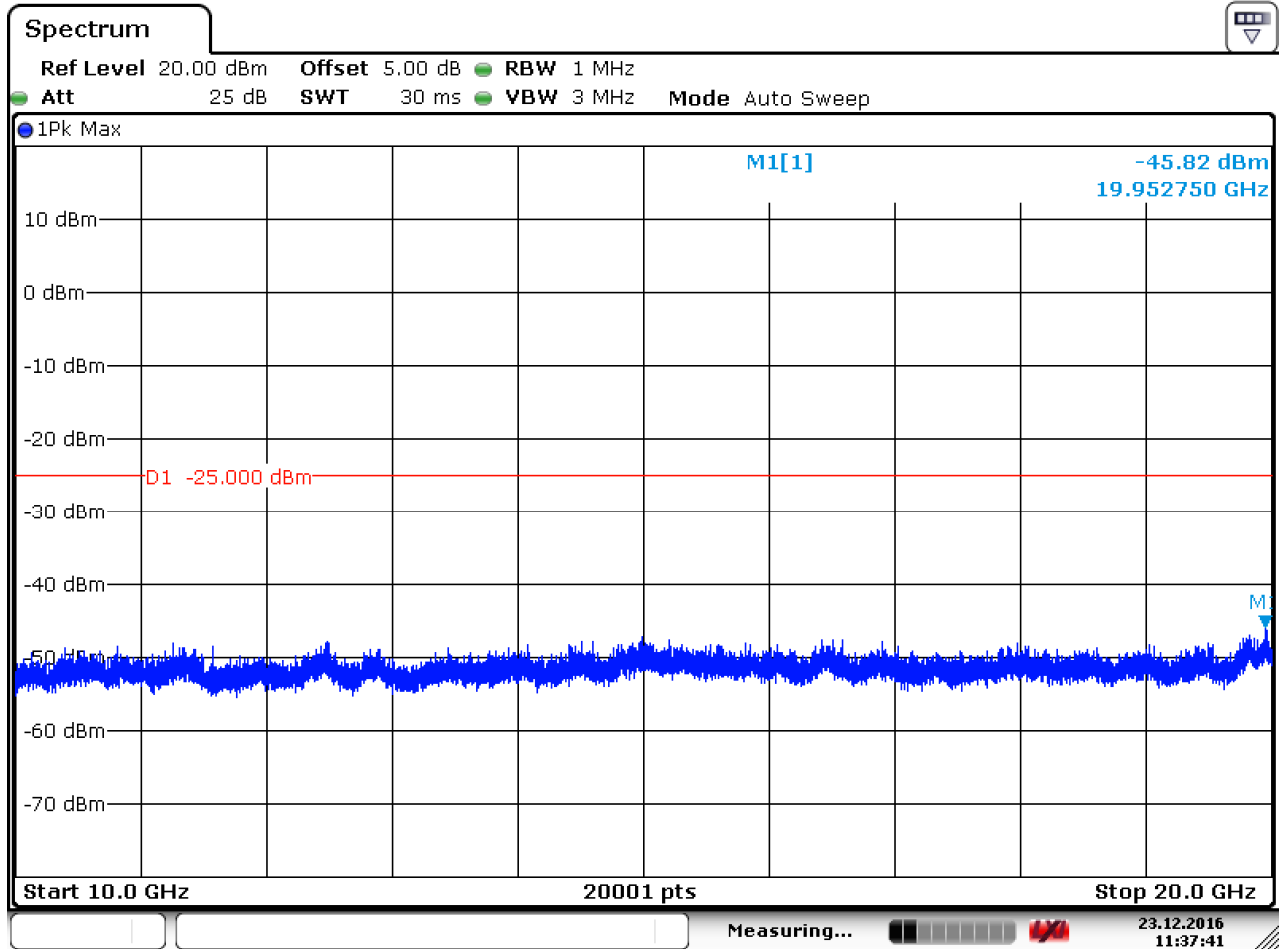


Date: 23.DEC.2016 11:22:06



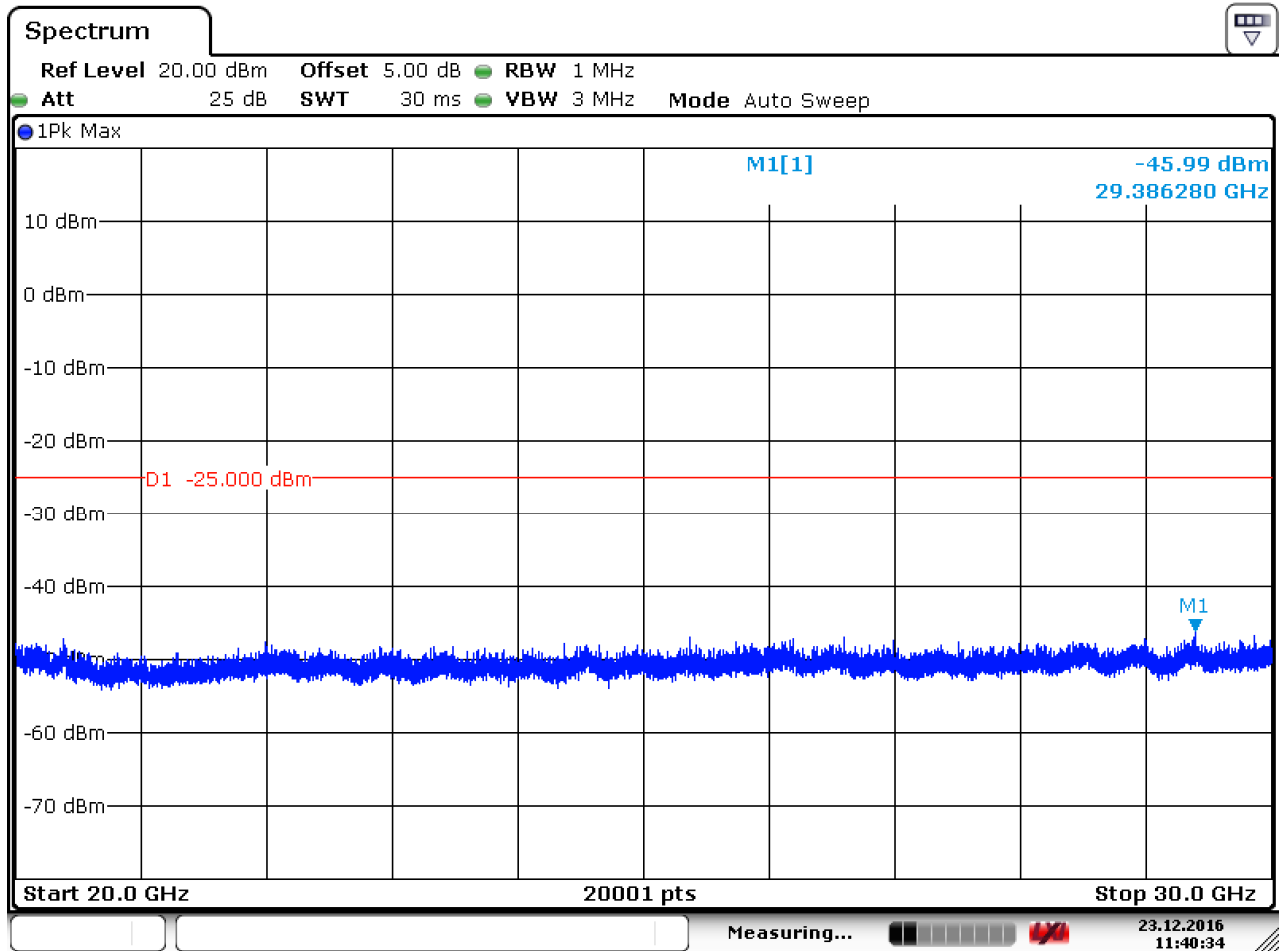
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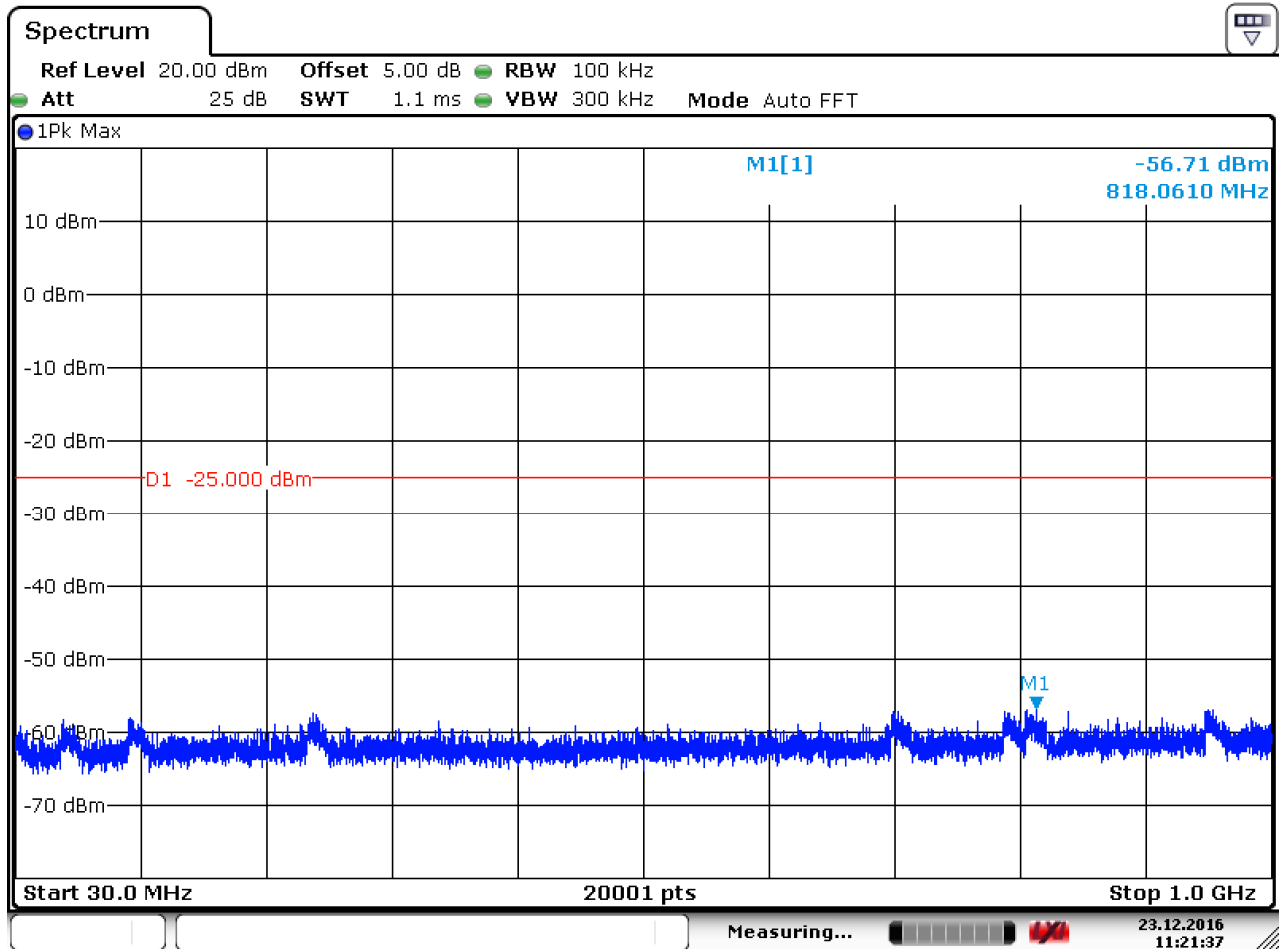


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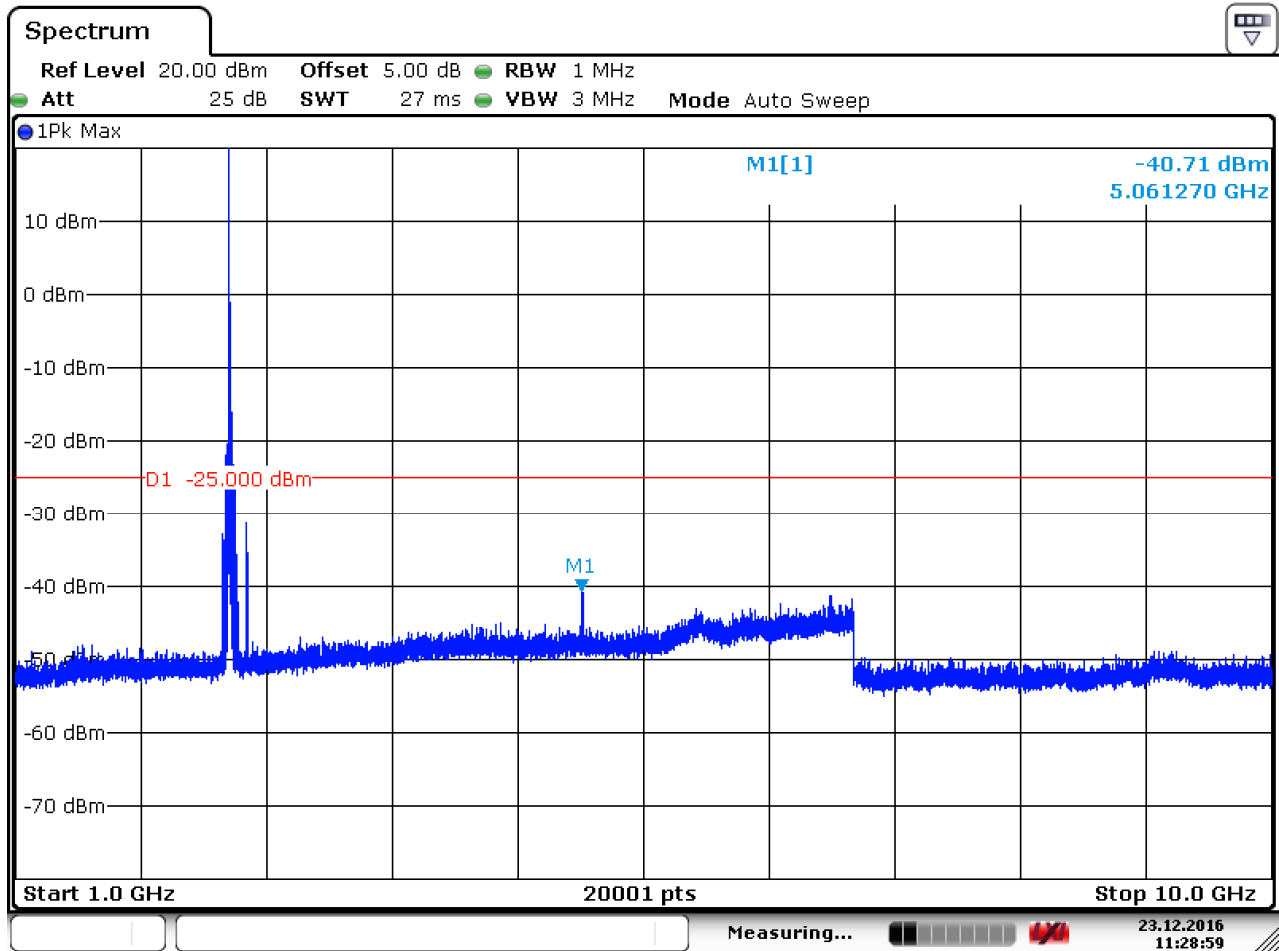


6.1.1.2.2 Test Channel = MCH



Date: 23.DEC.2016 11:21:38

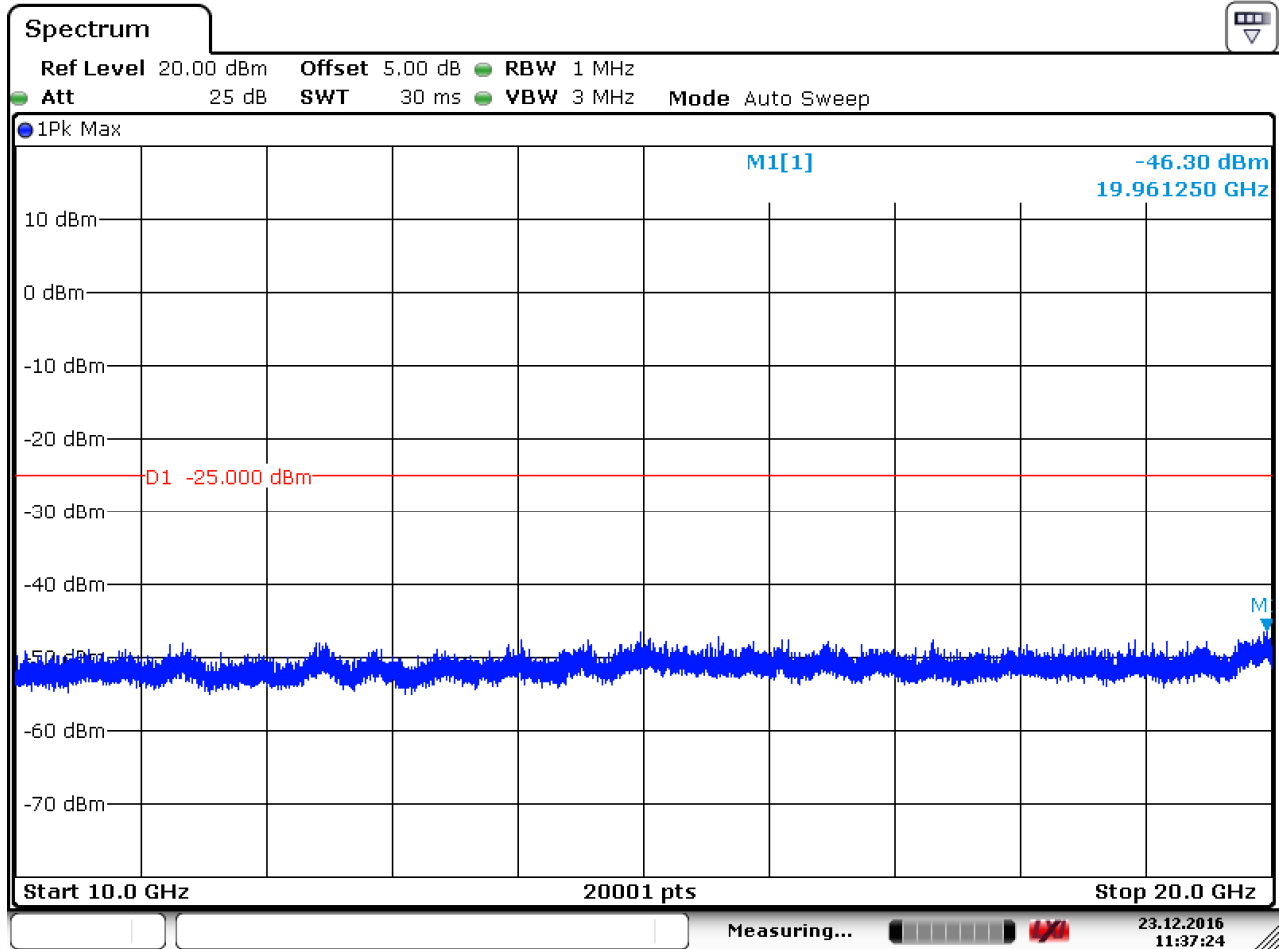
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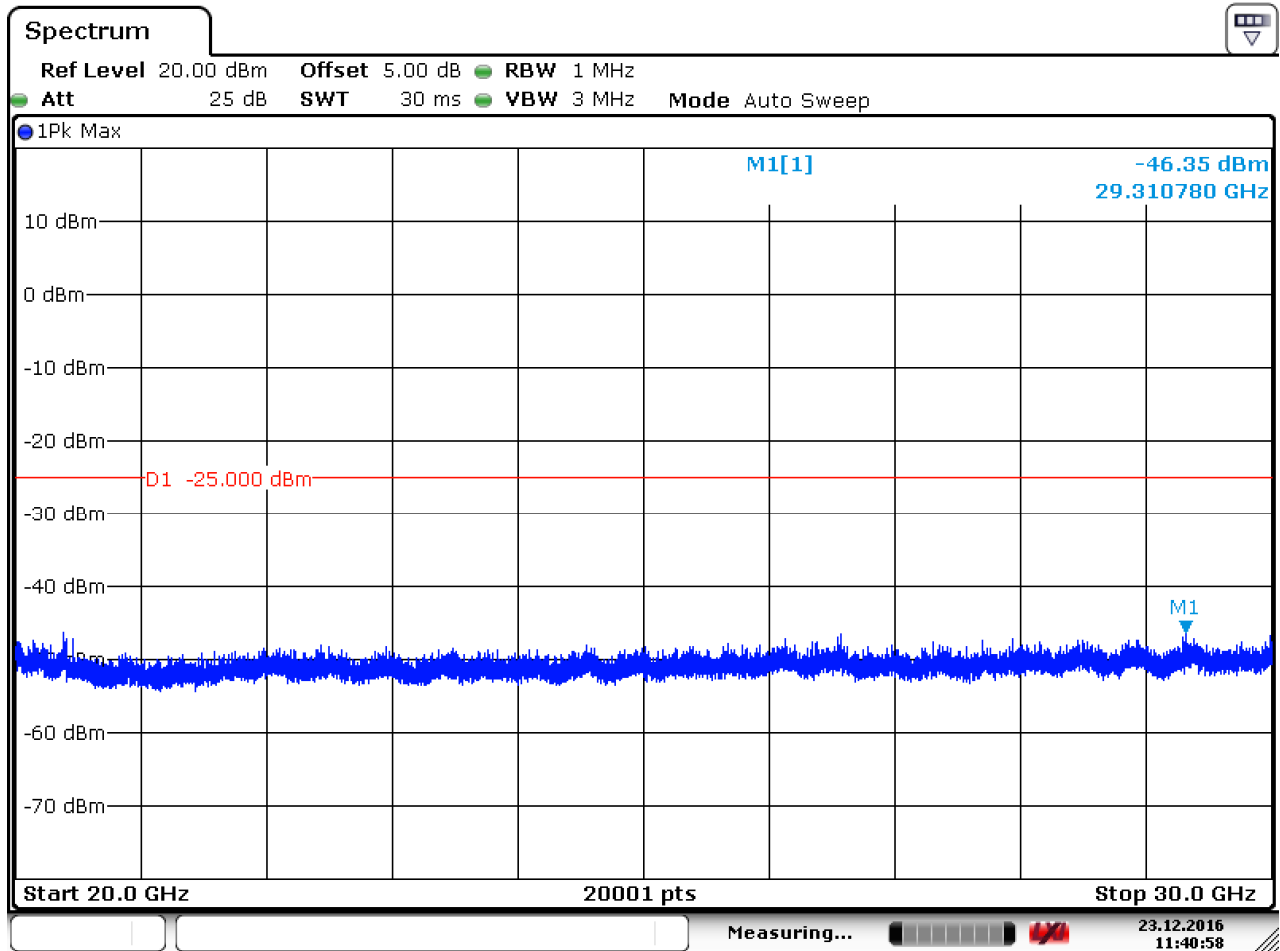
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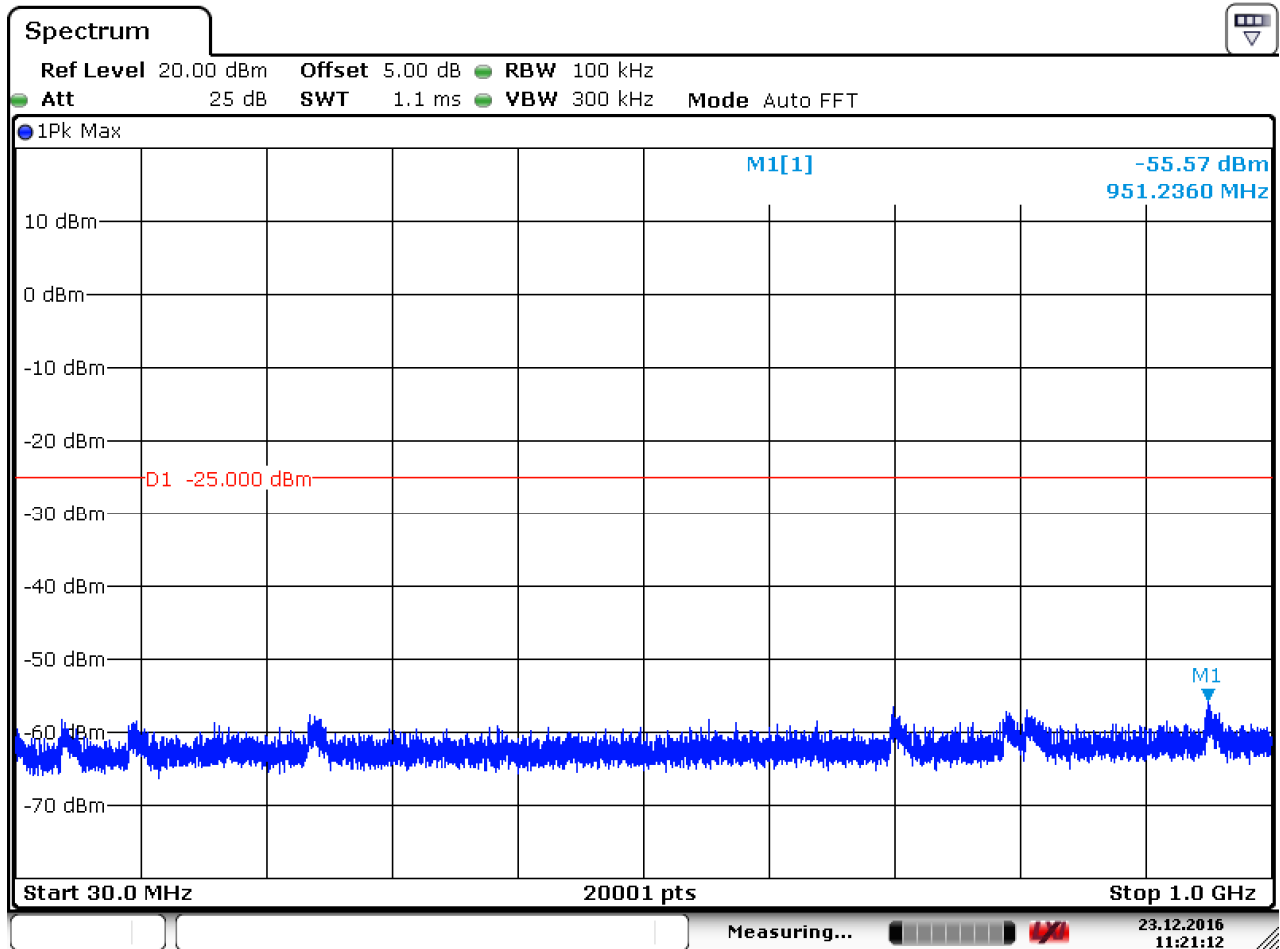


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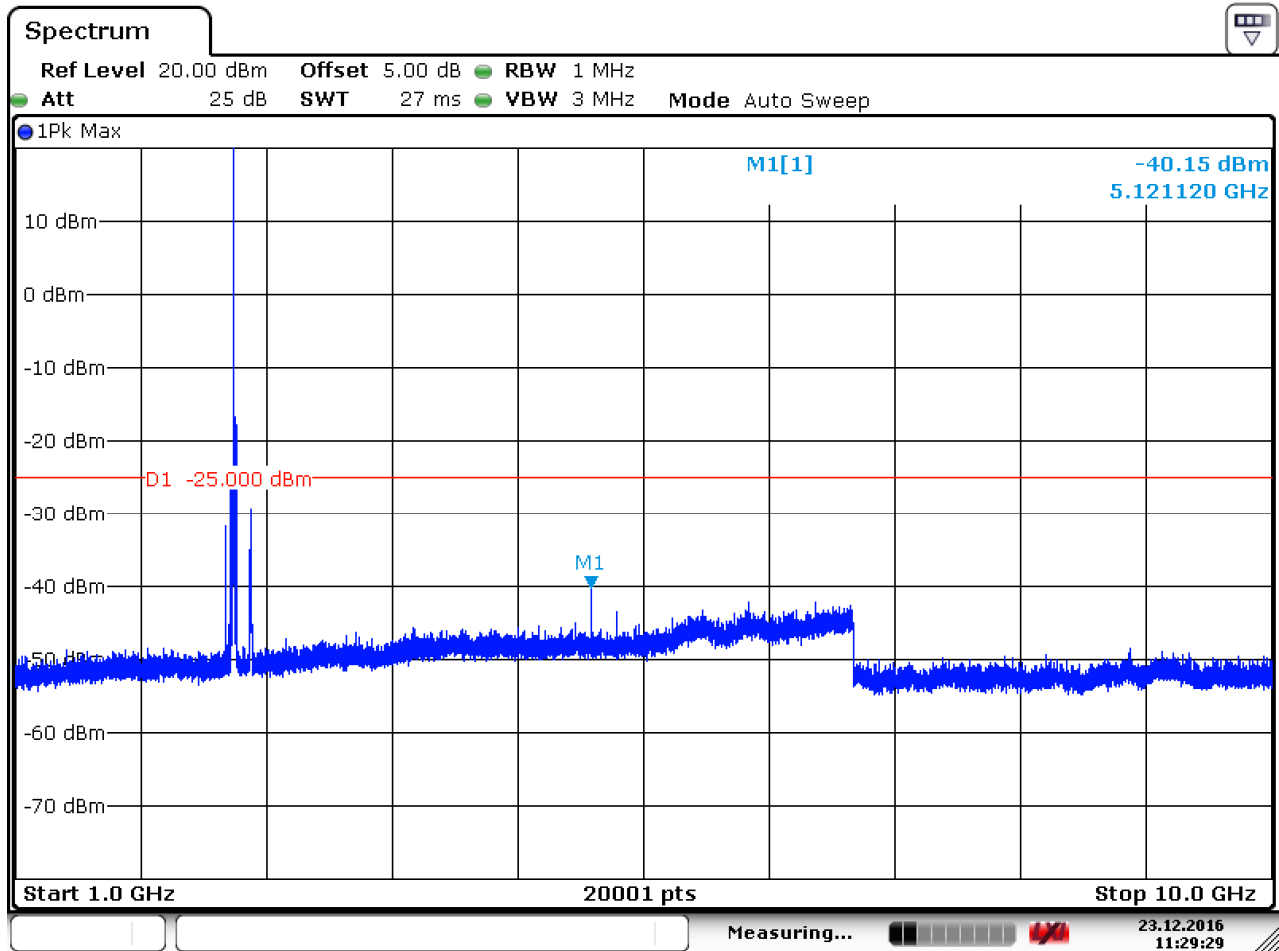


6.1.1.2.3 Test Channel = HCH



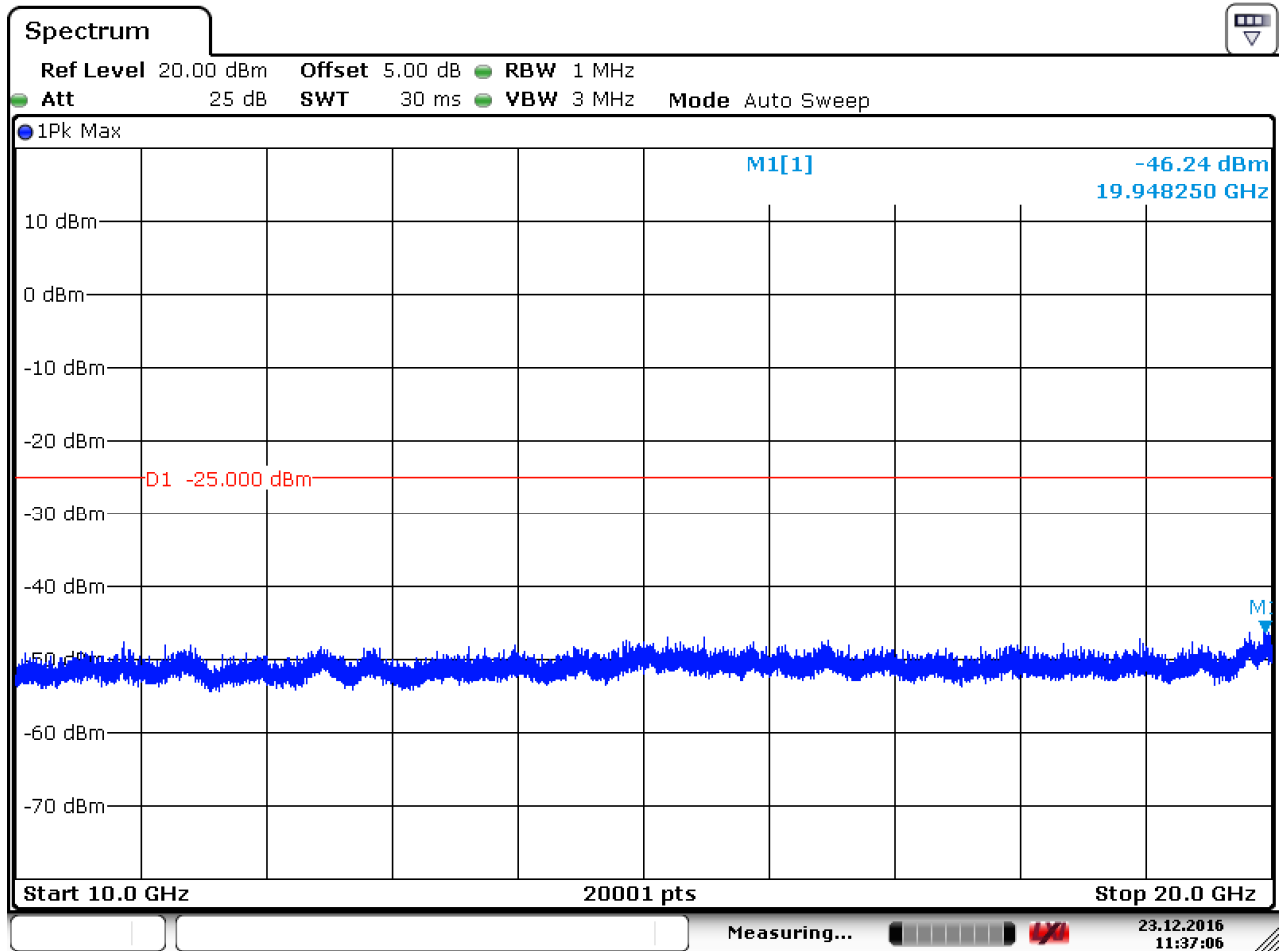
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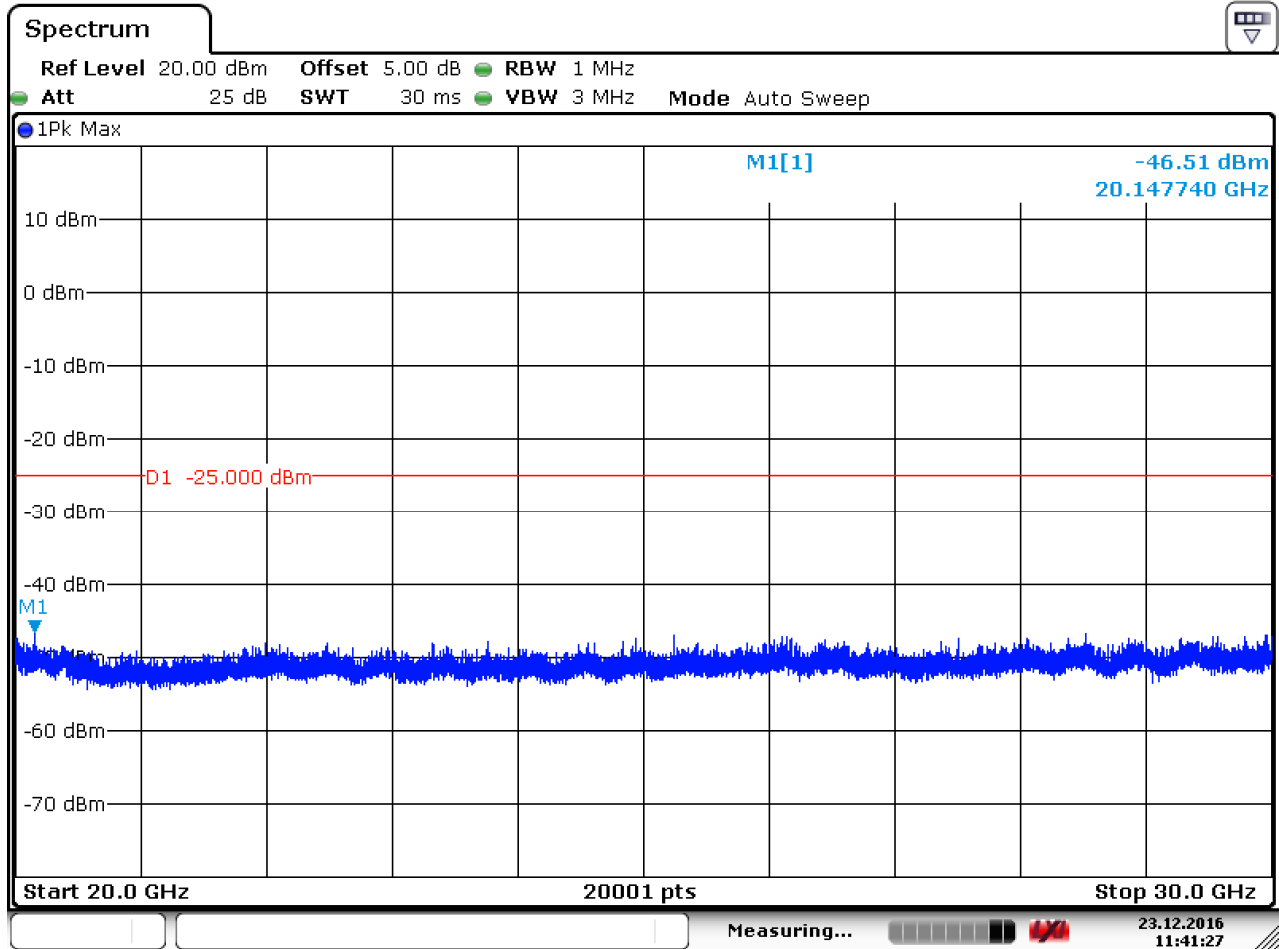
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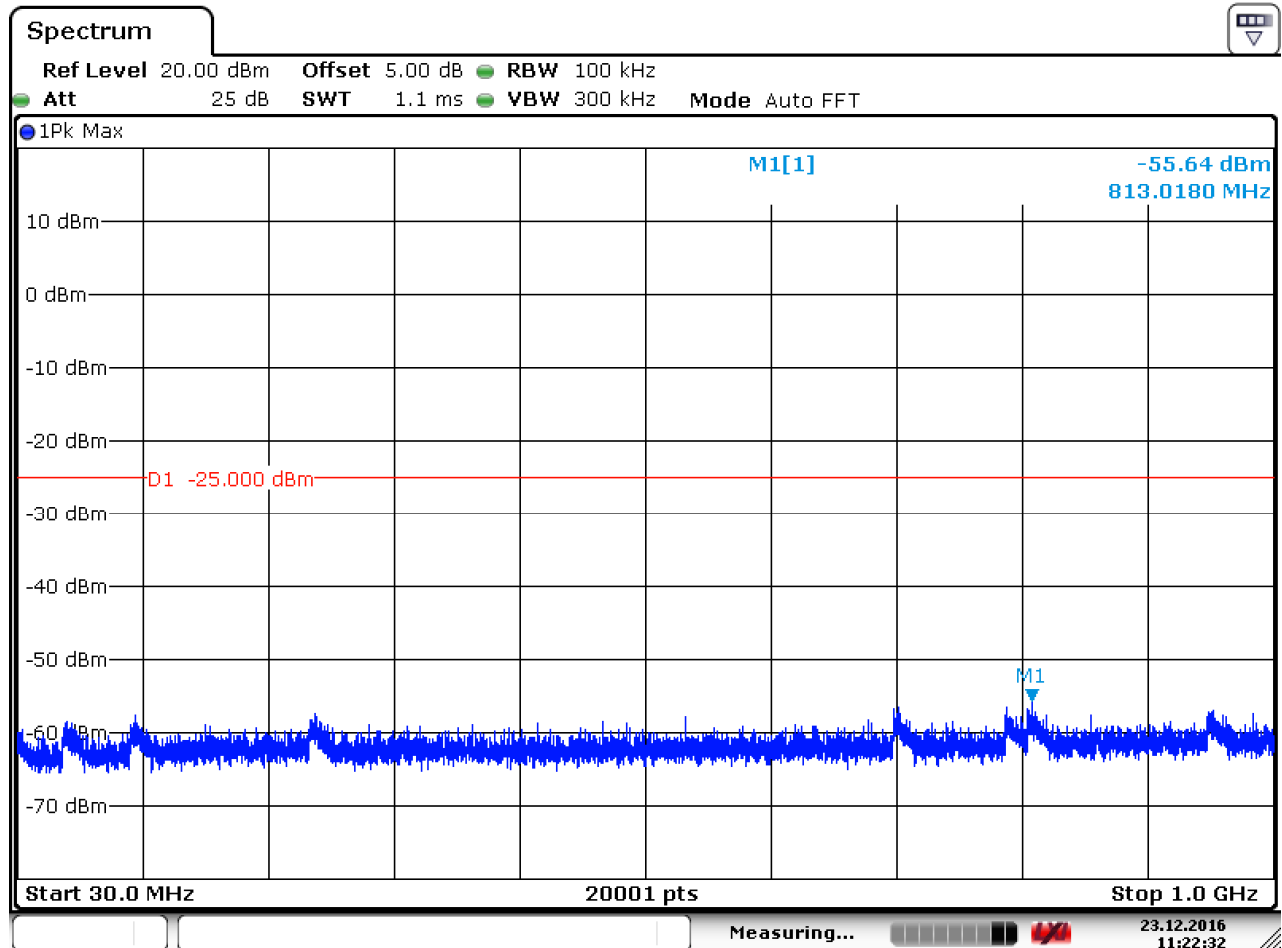
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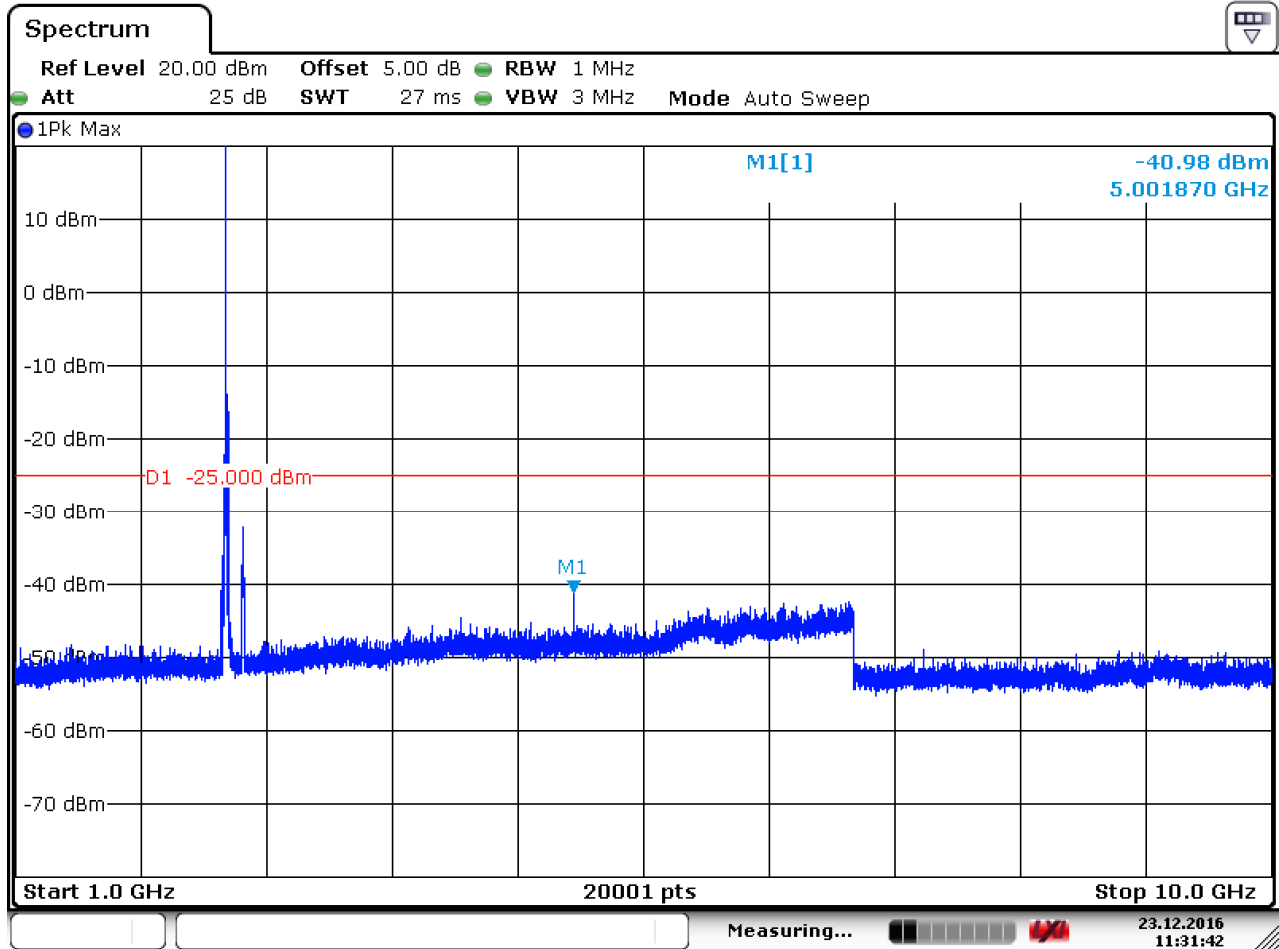
6.1.1.3 Test Mode = LTE / TM1 15MHz RB1#0

6.1.1.3.1 Test Channel = LCH



Date: 23.DEC.2016 11:22:32

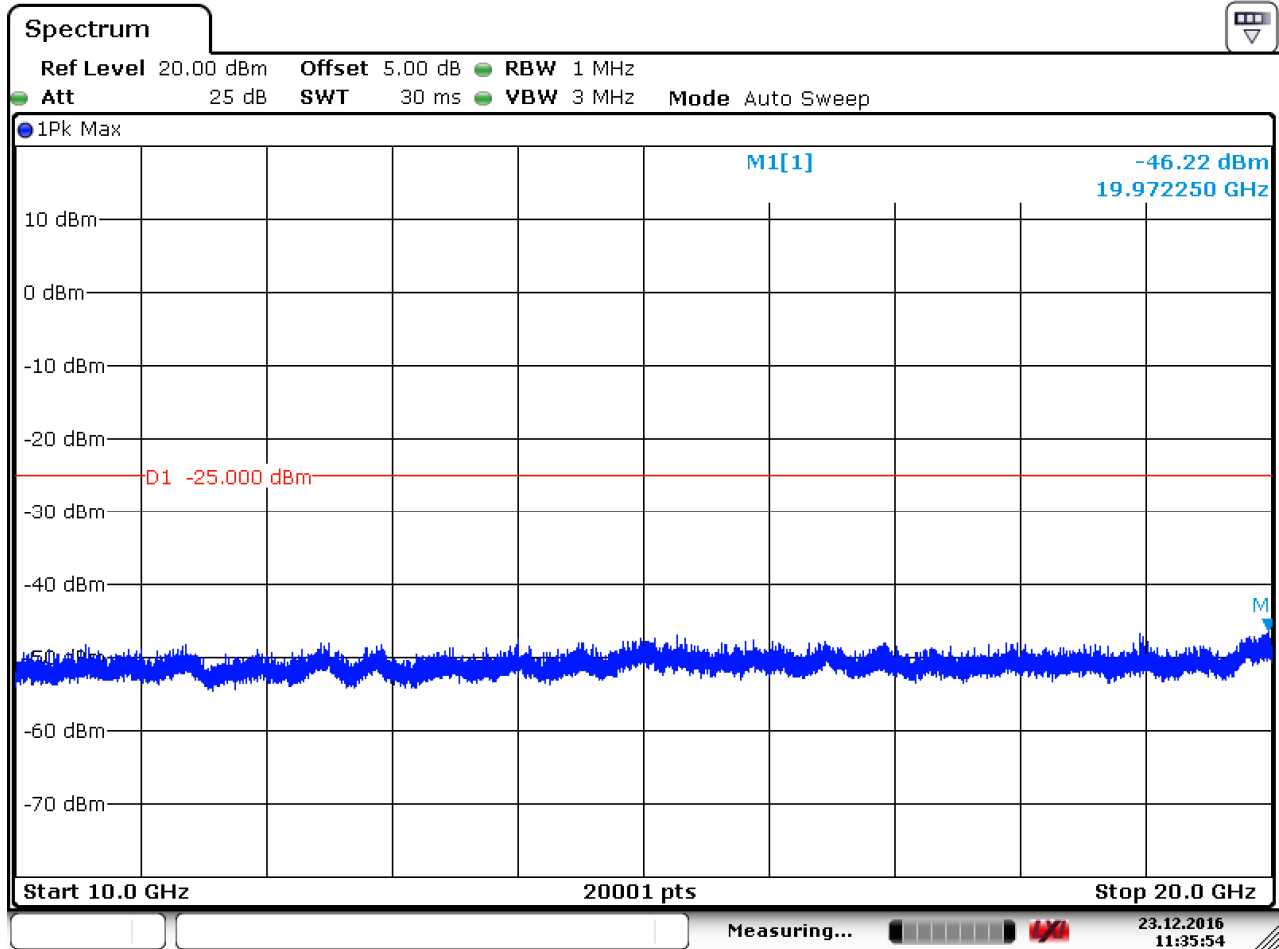
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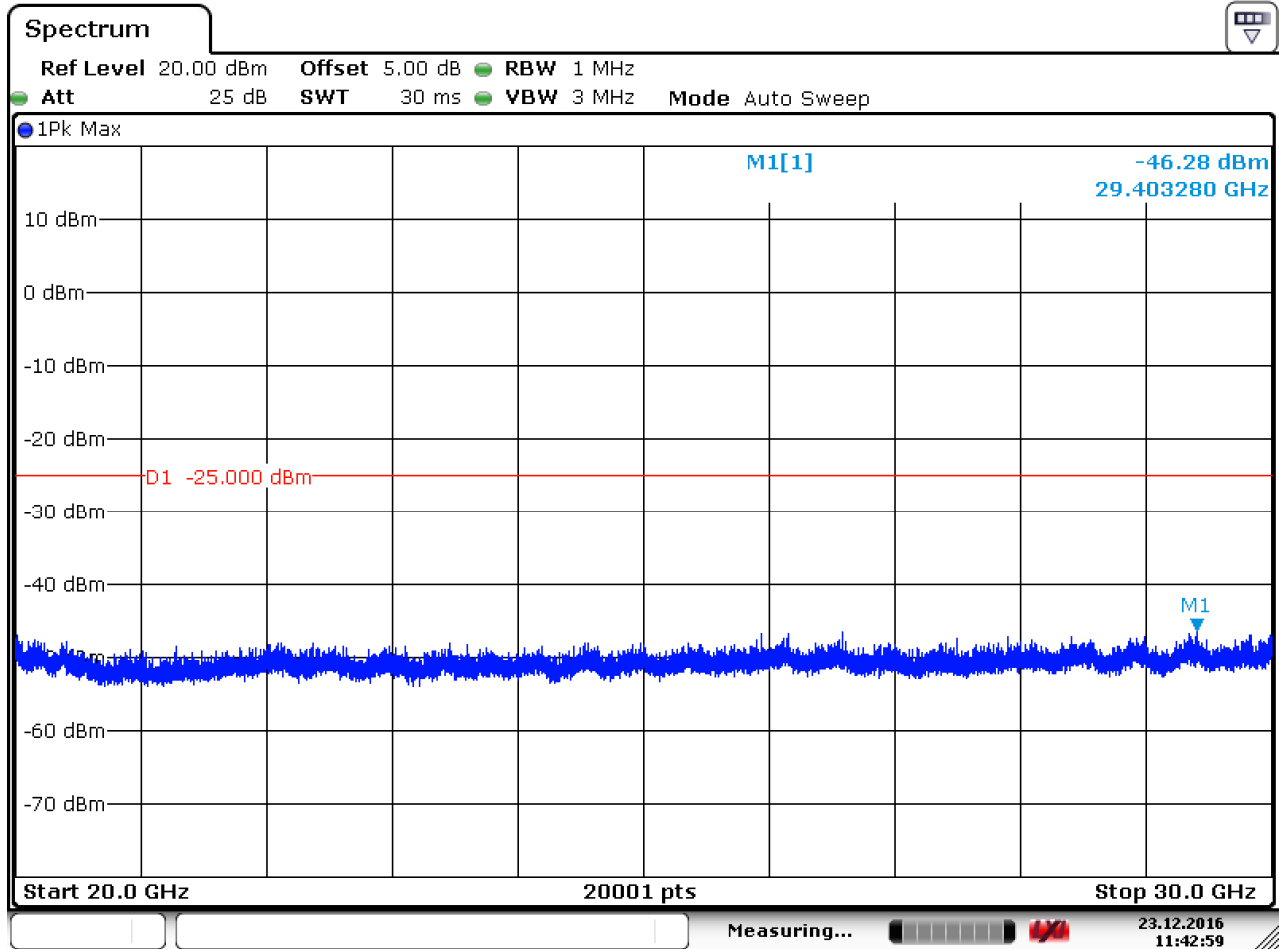
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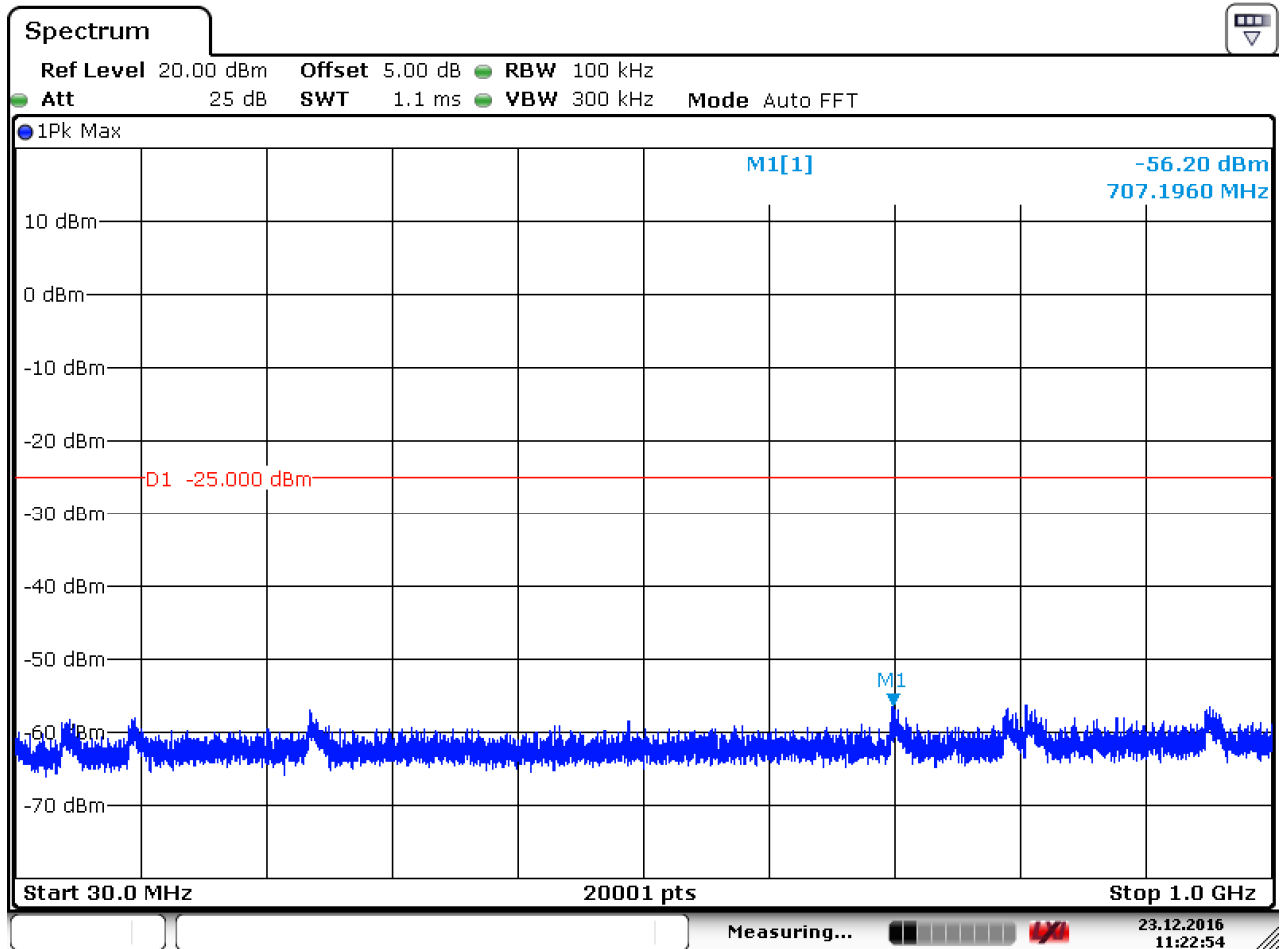


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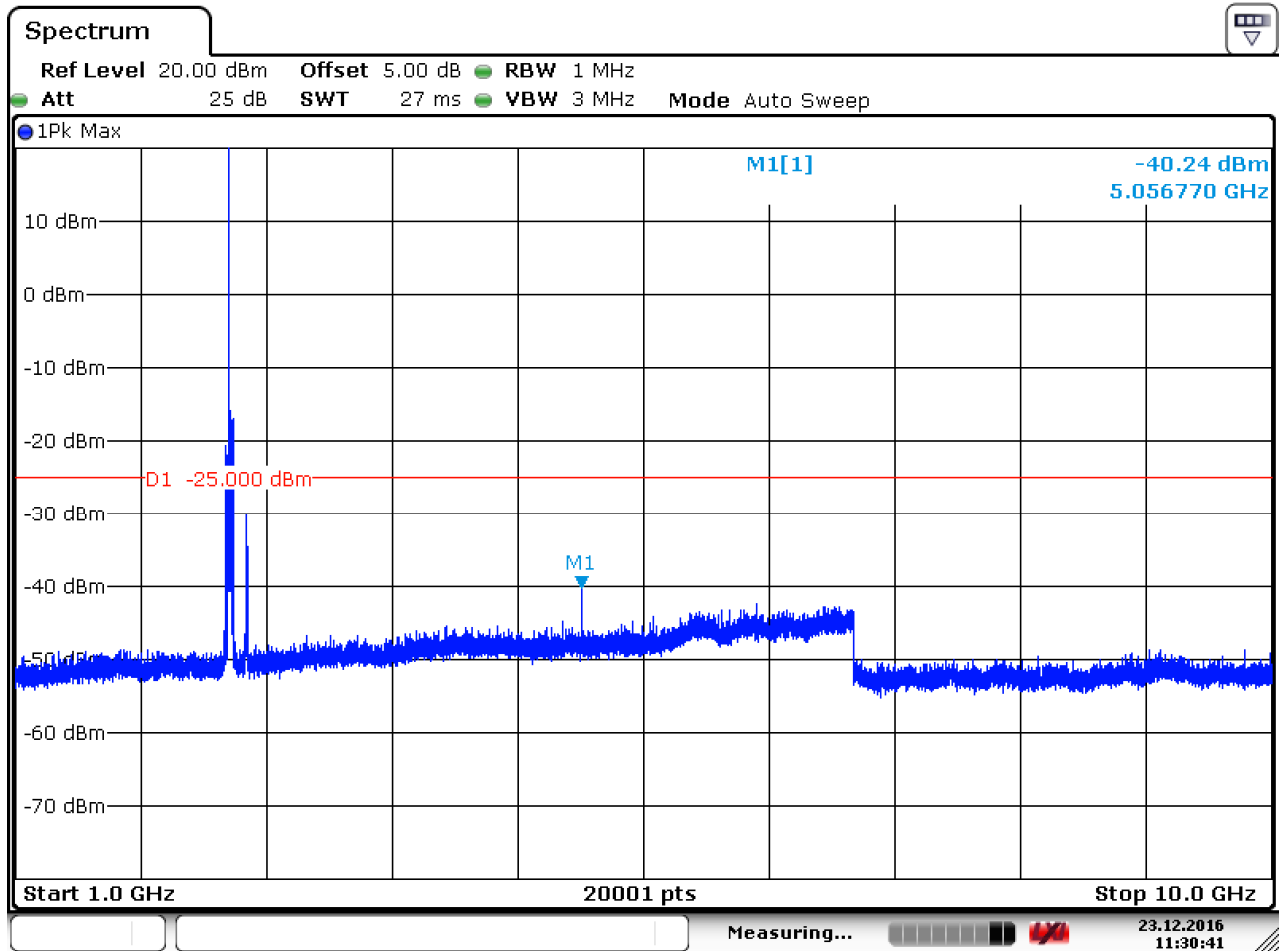


6.1.1.3.2 Test Channel = MCH



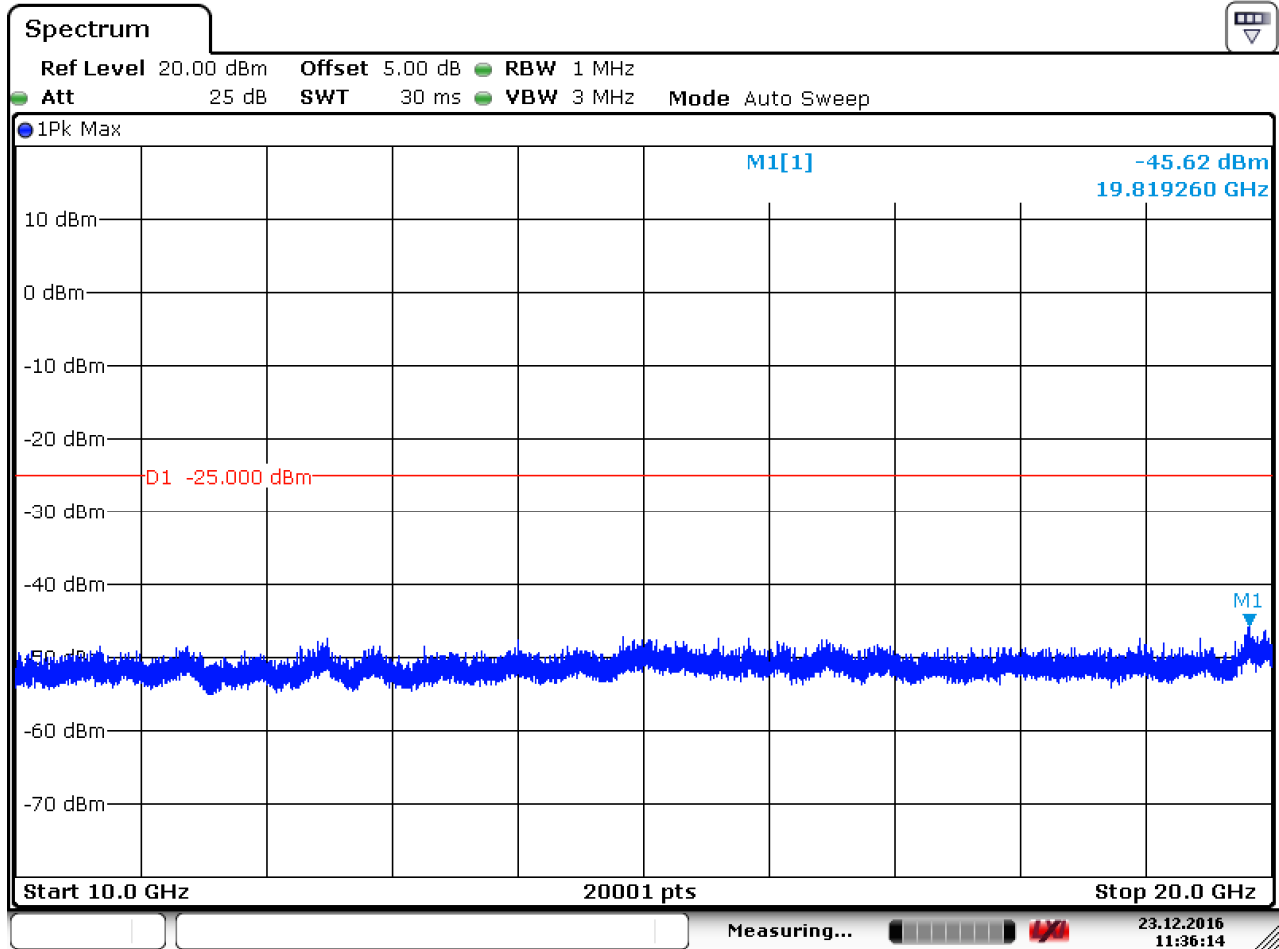
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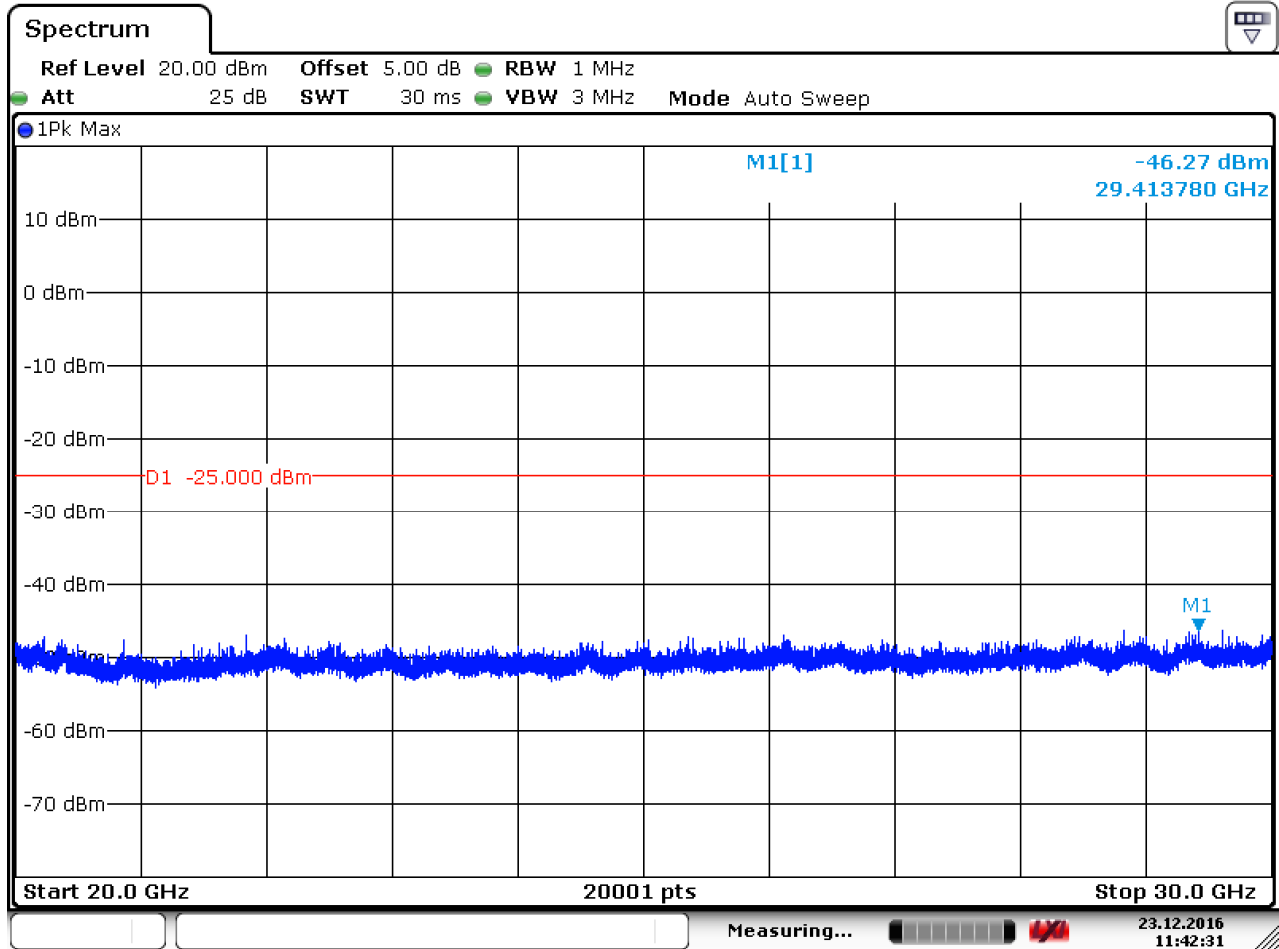
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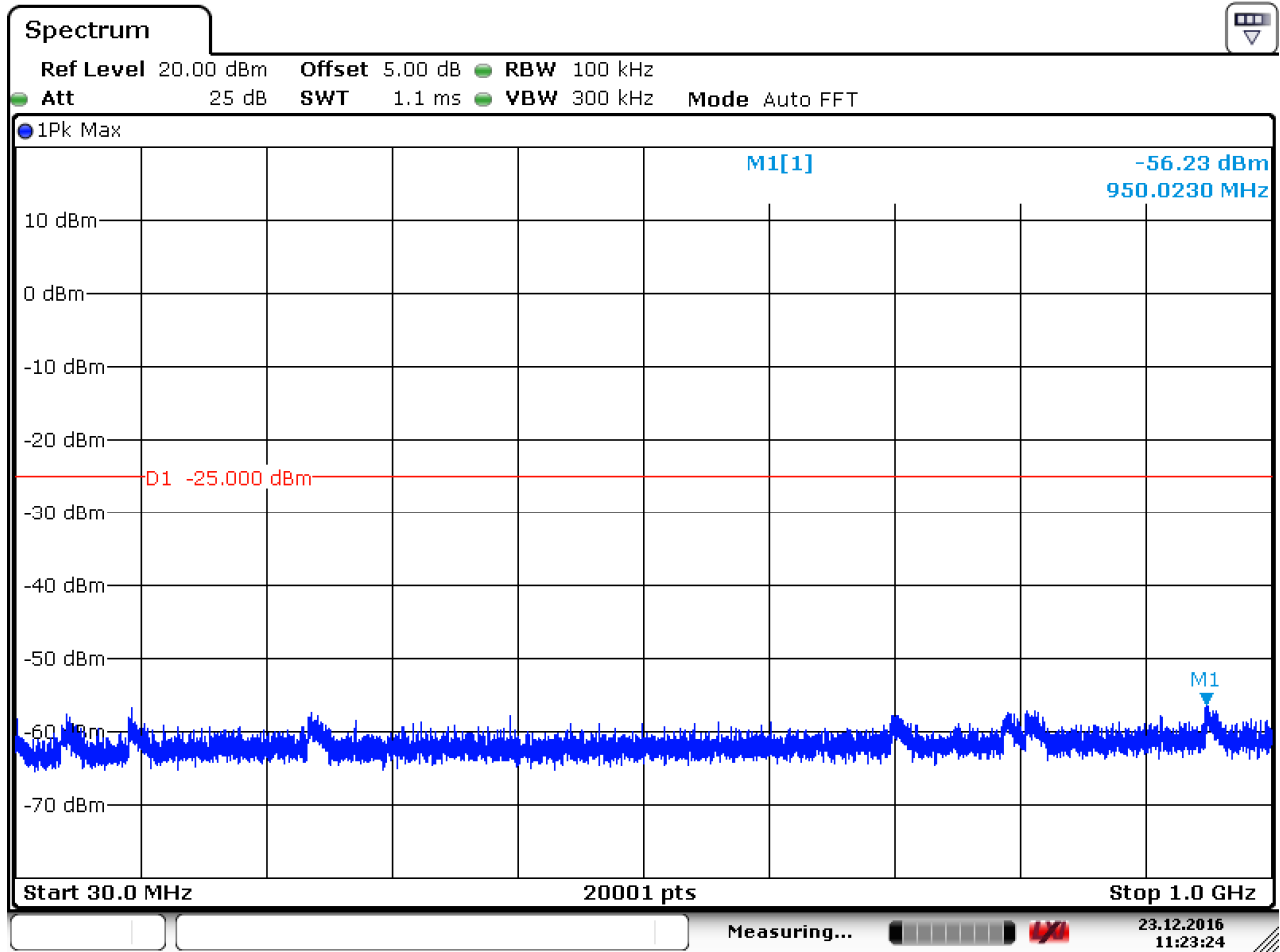


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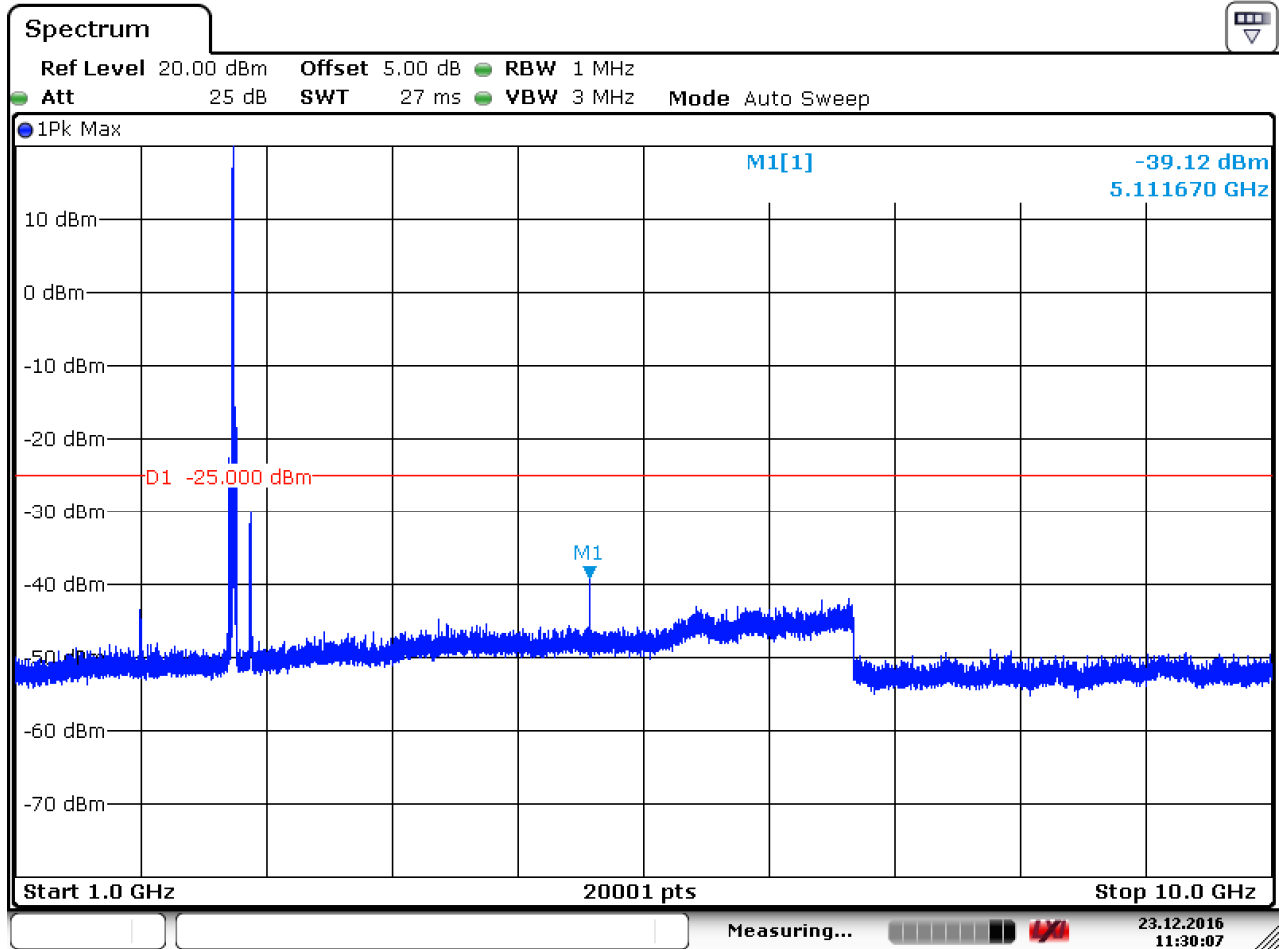


6.1.1.3.3 Test Channel = HCH



Date: 23.DEC.2016 11:23:24

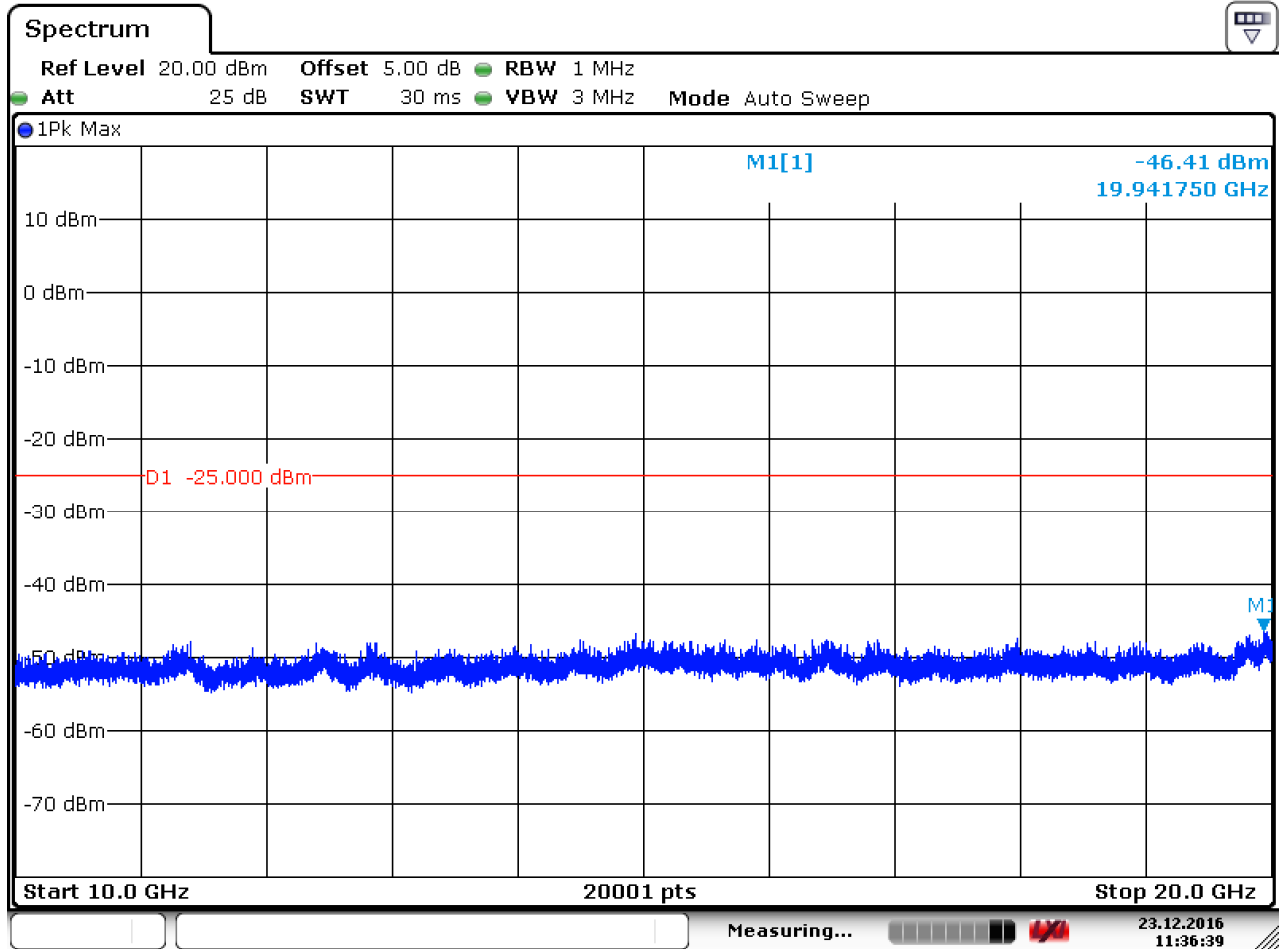
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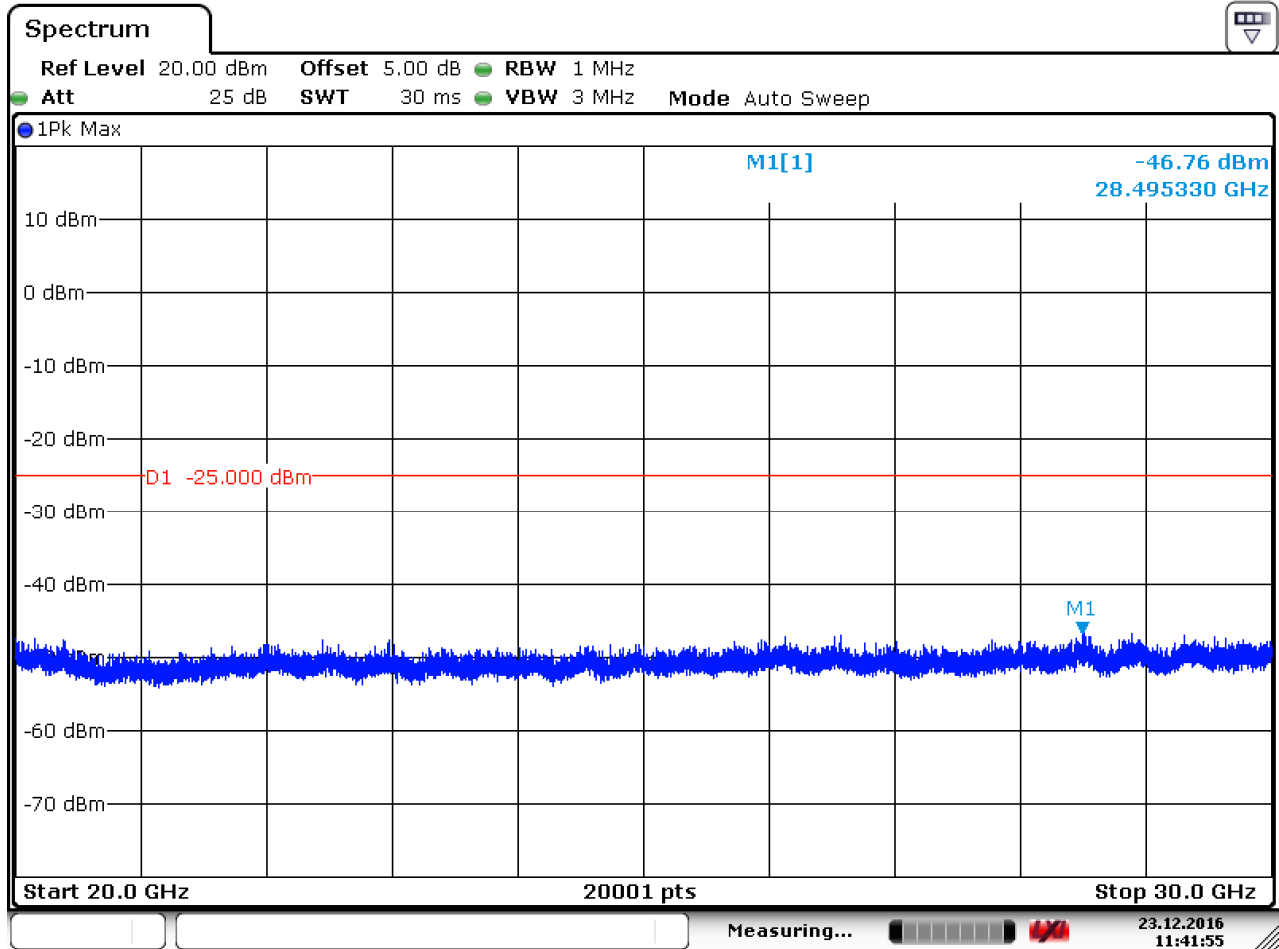
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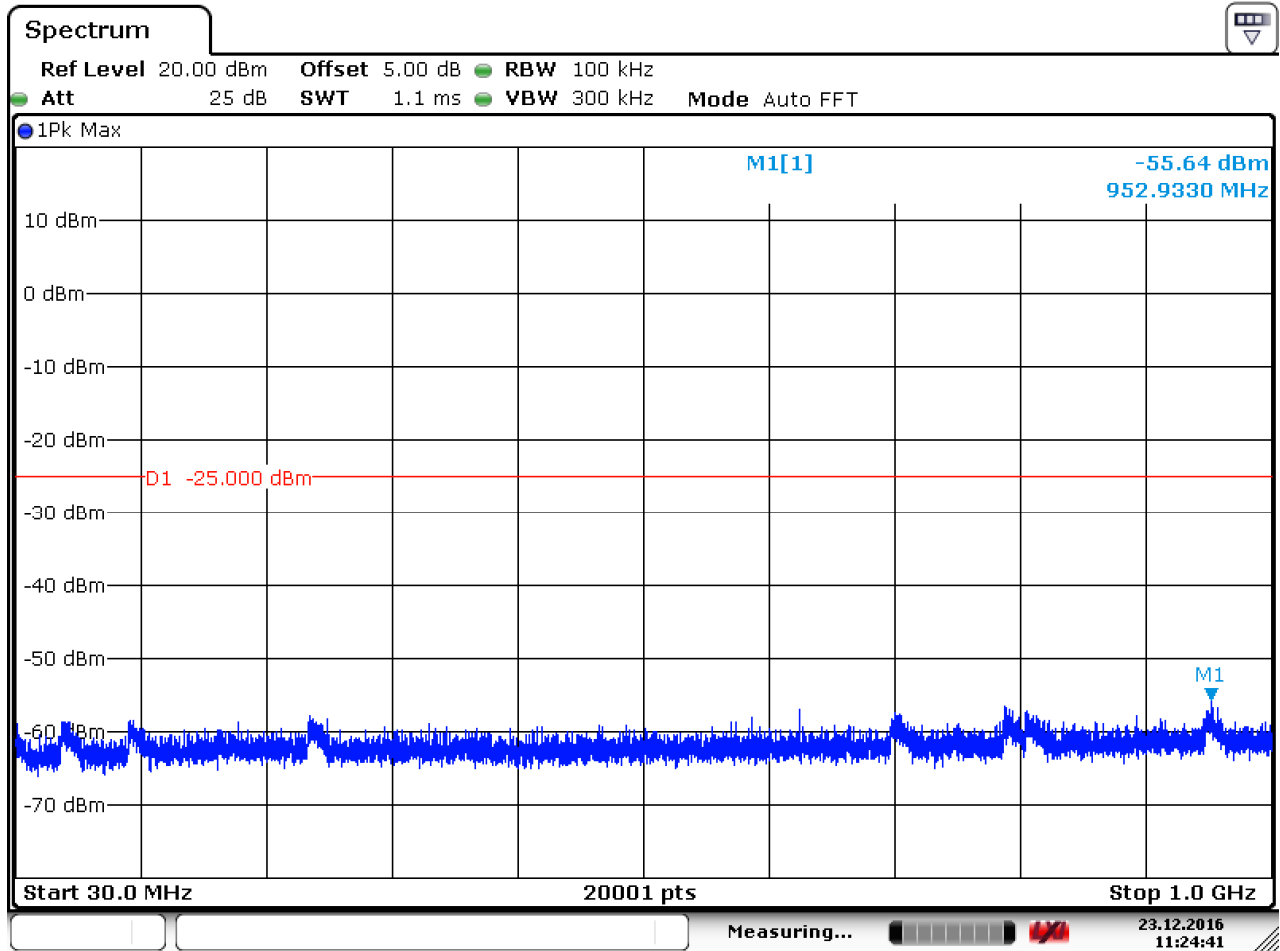
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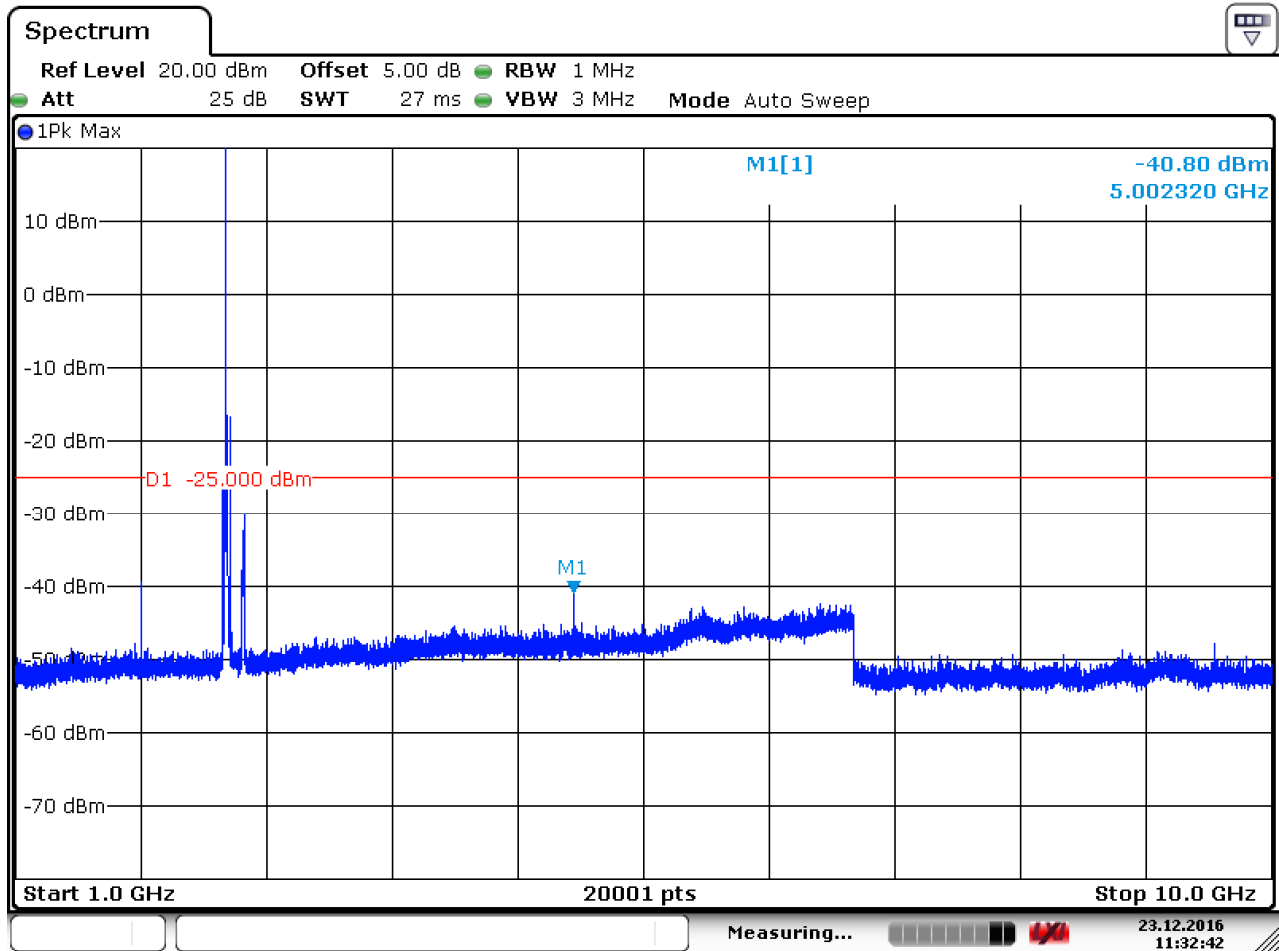


6.1.1.4 Test Mode = LTE / TM1 20MHz RB1#0

6.1.1.4.1 Test Channel = LCH

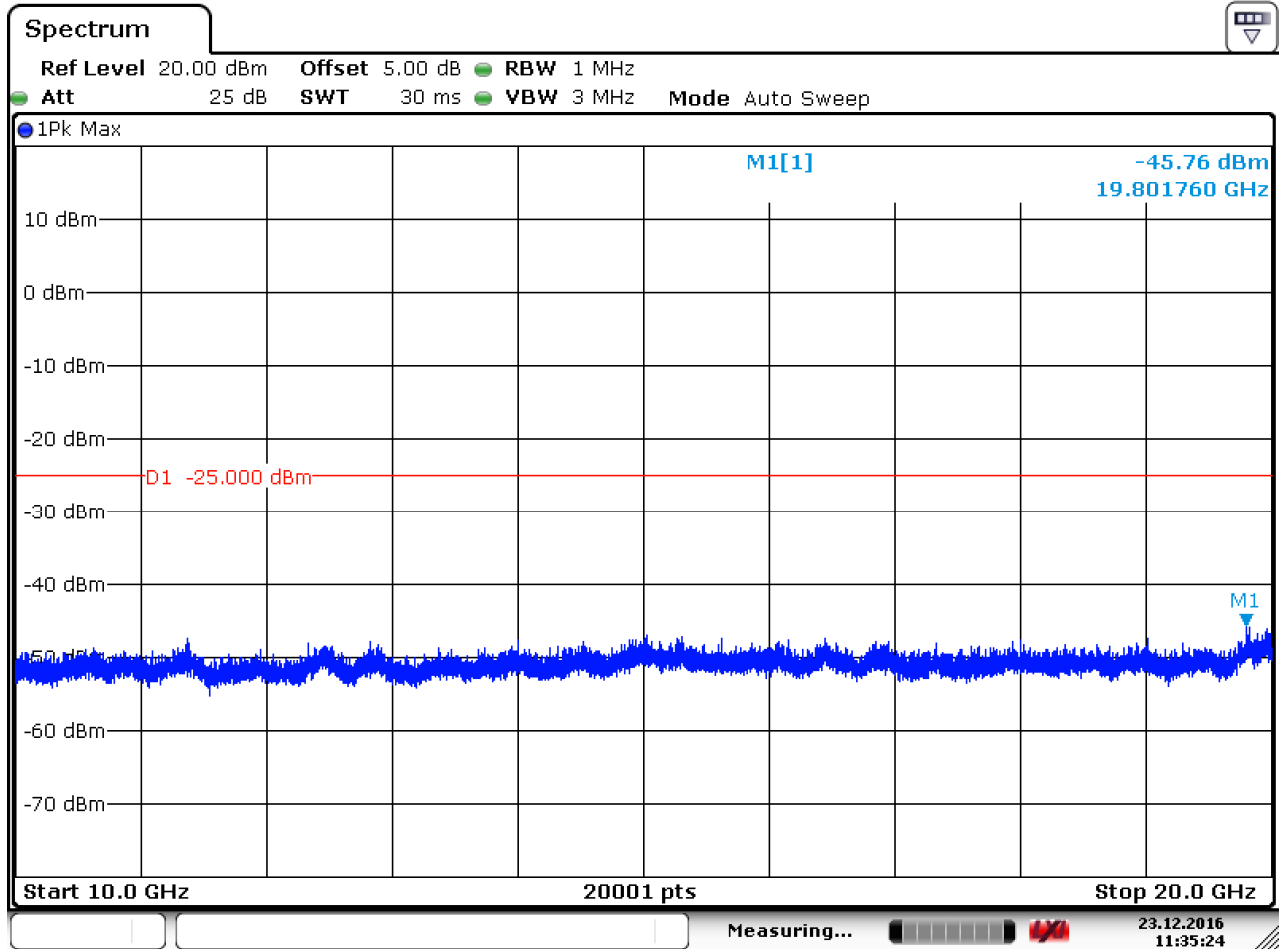


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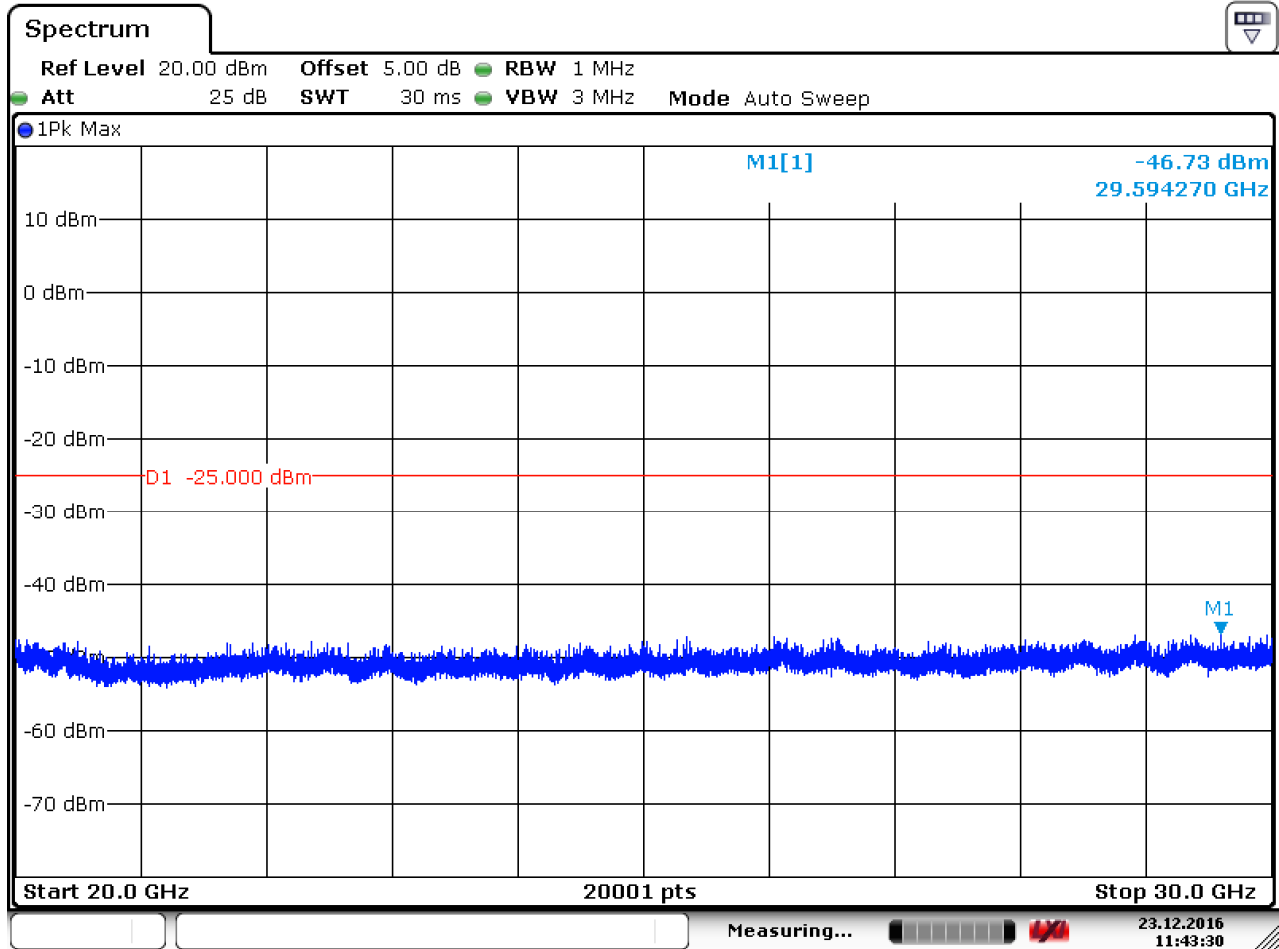
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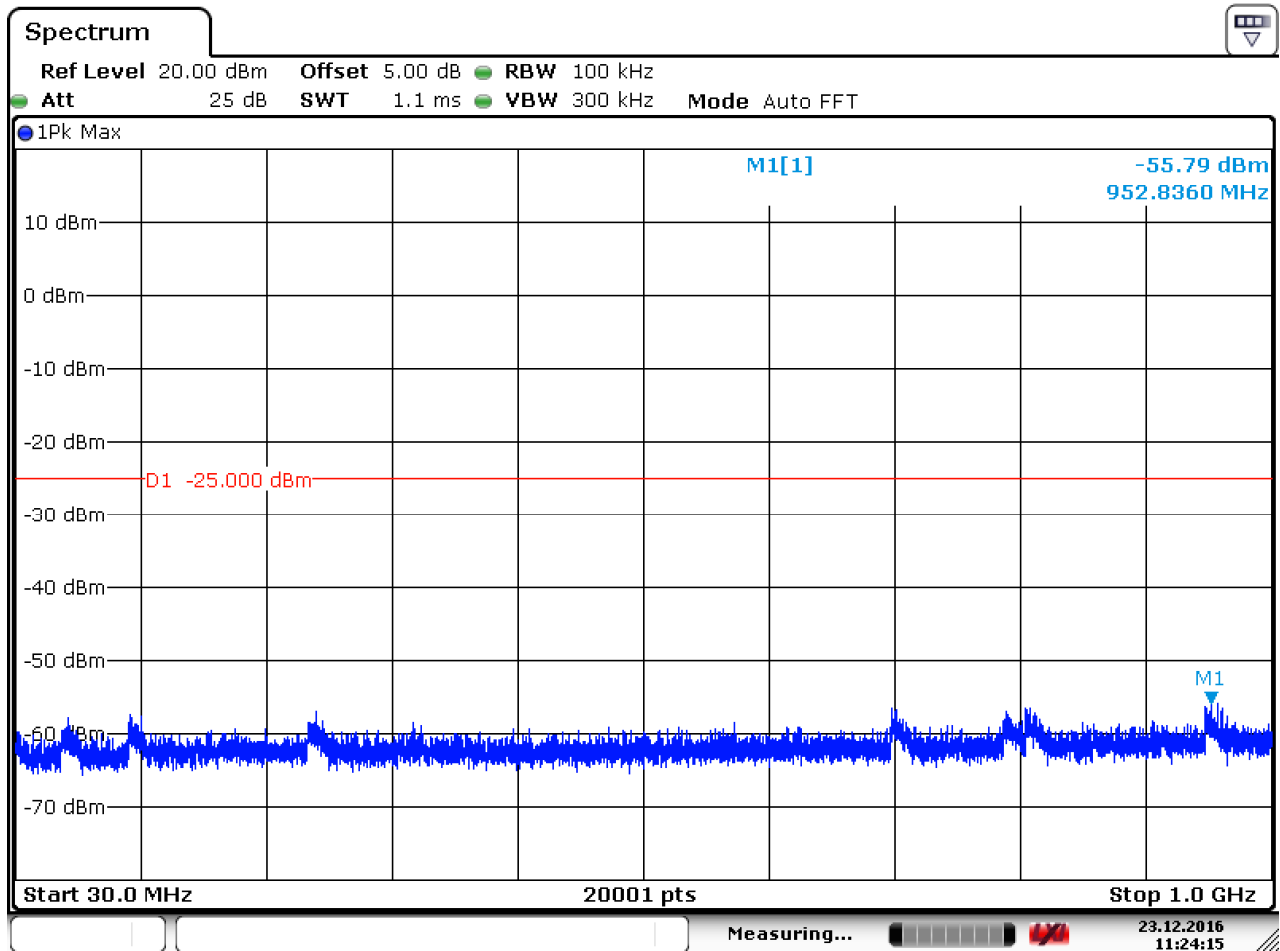


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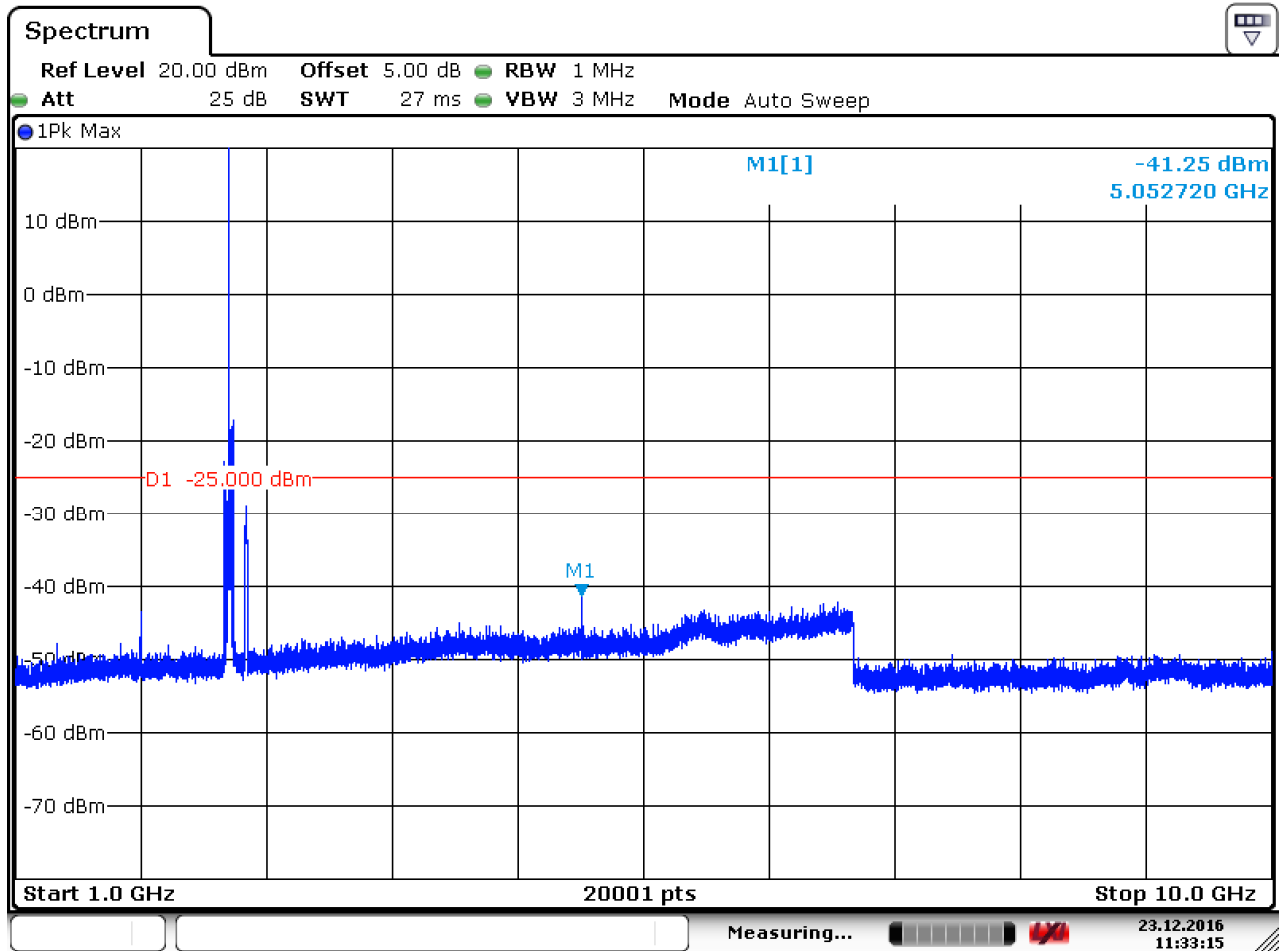


6.1.1.4.2 Test Channel = MCH



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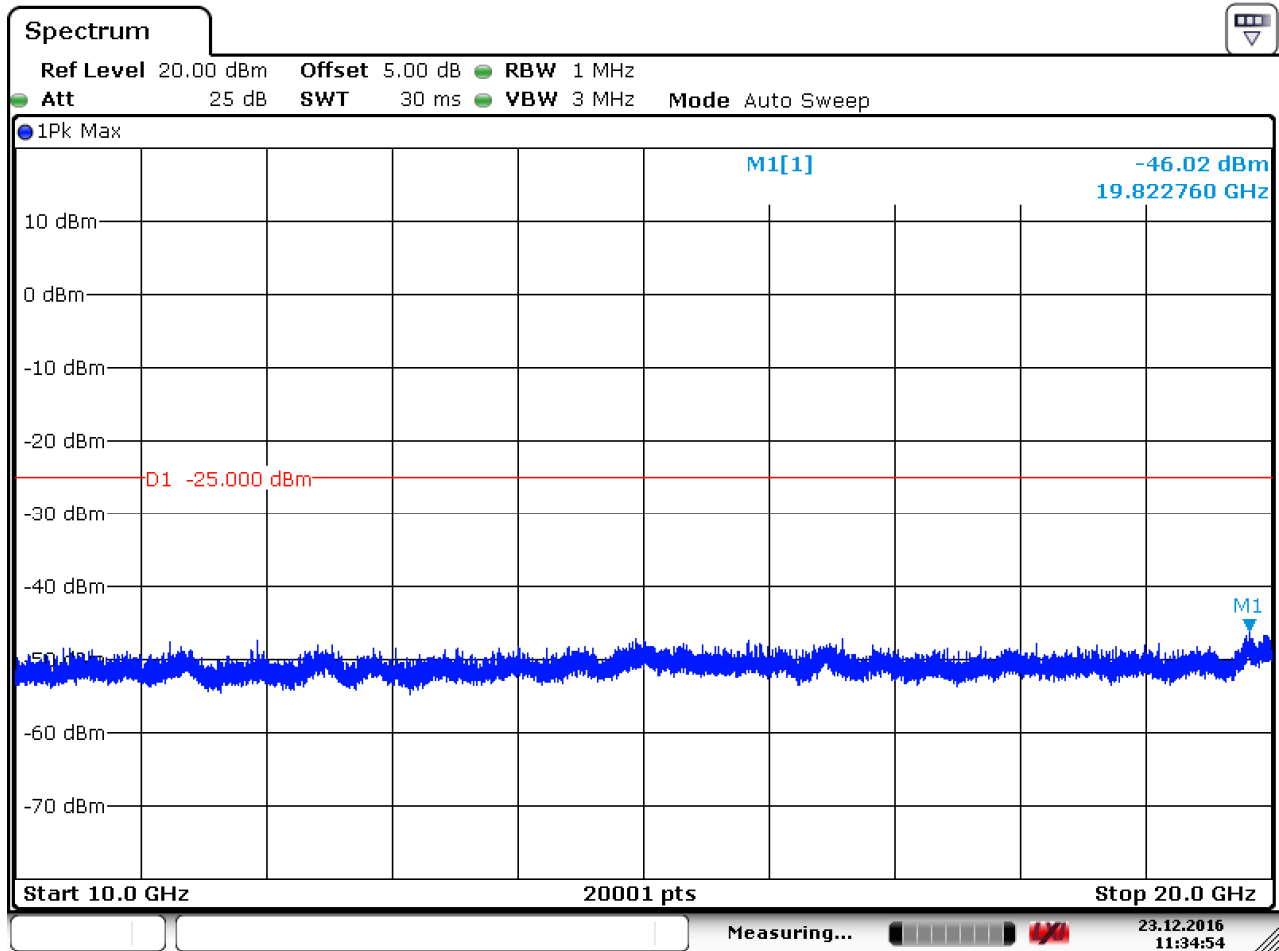
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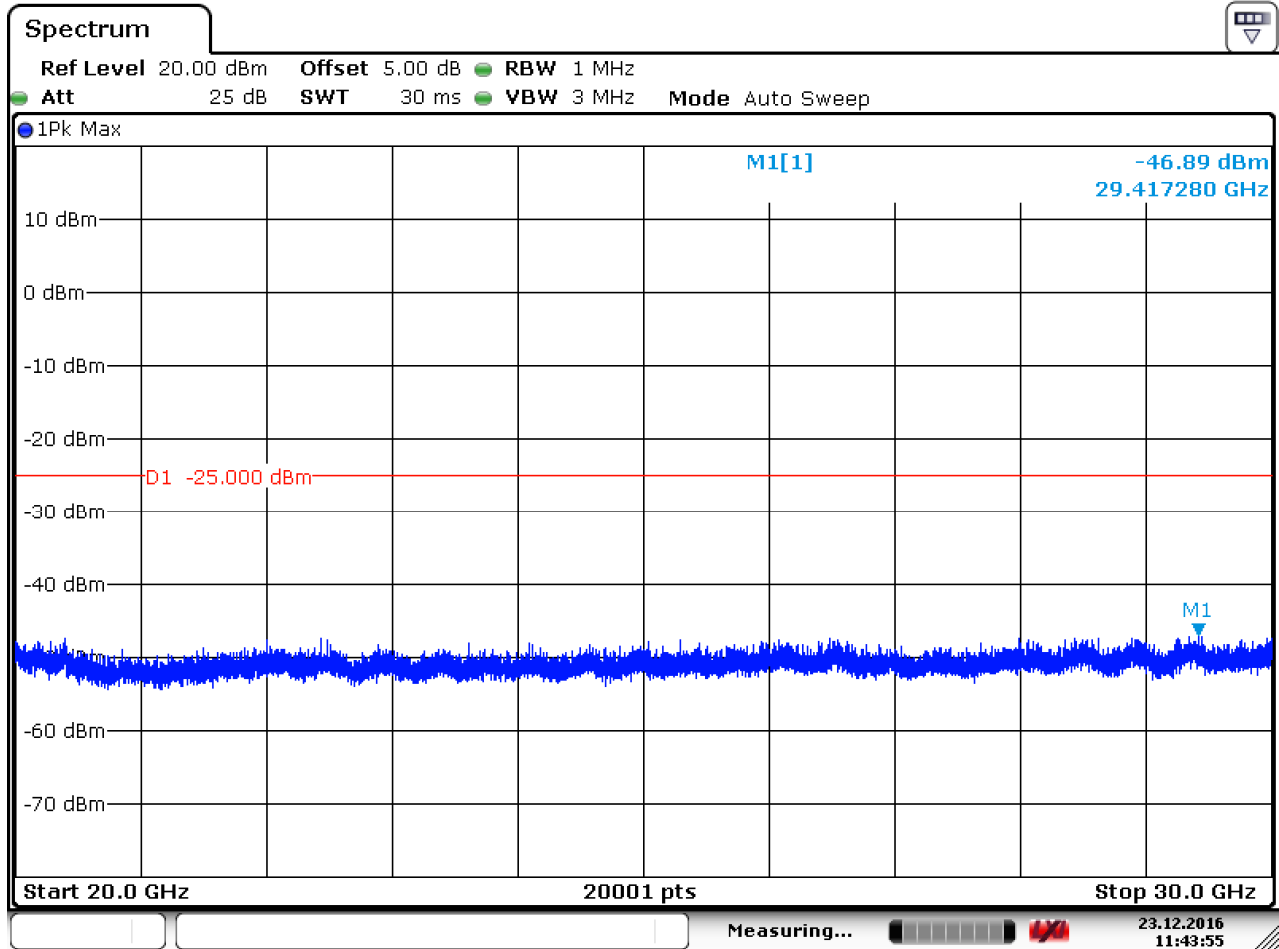
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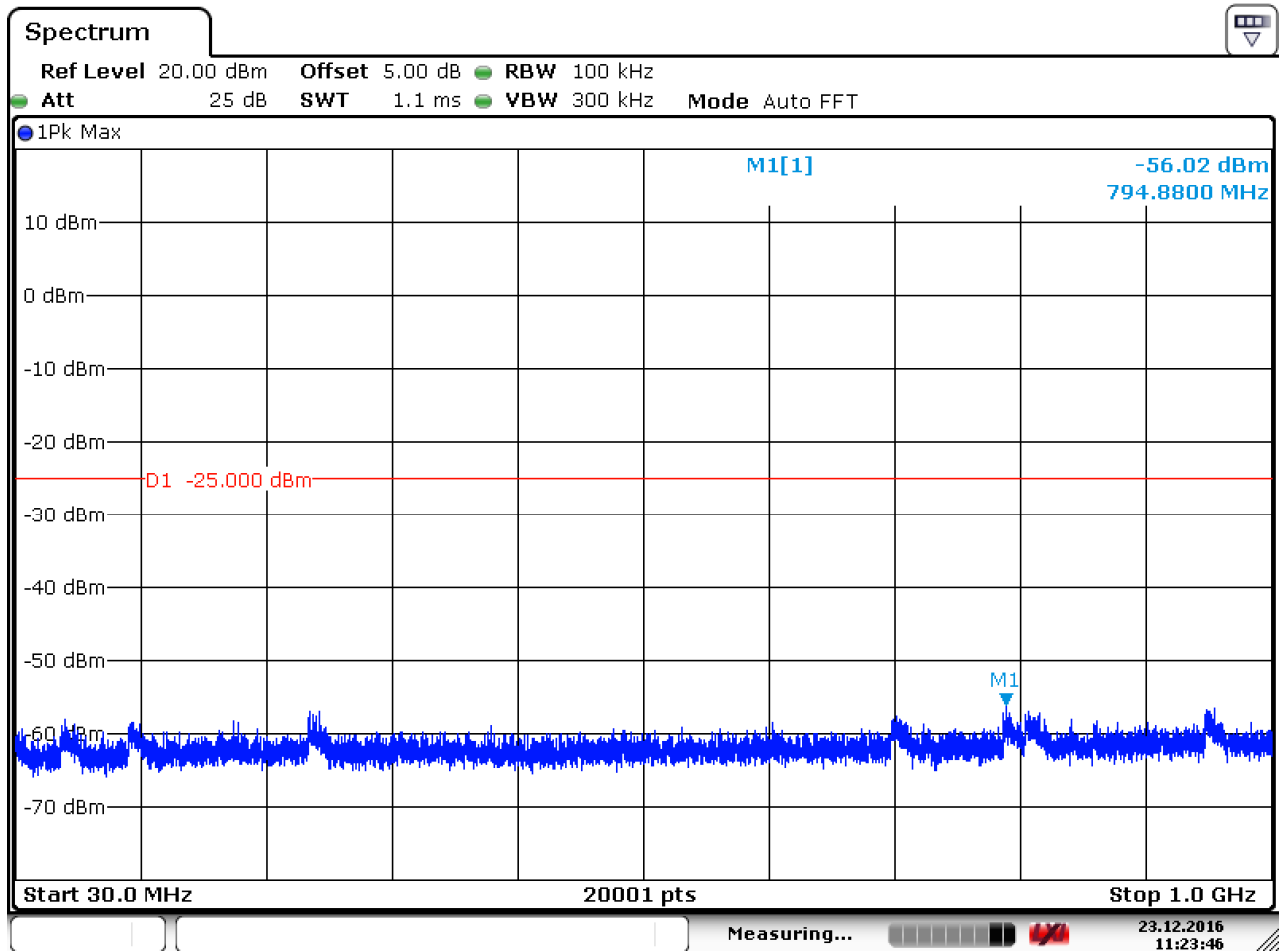


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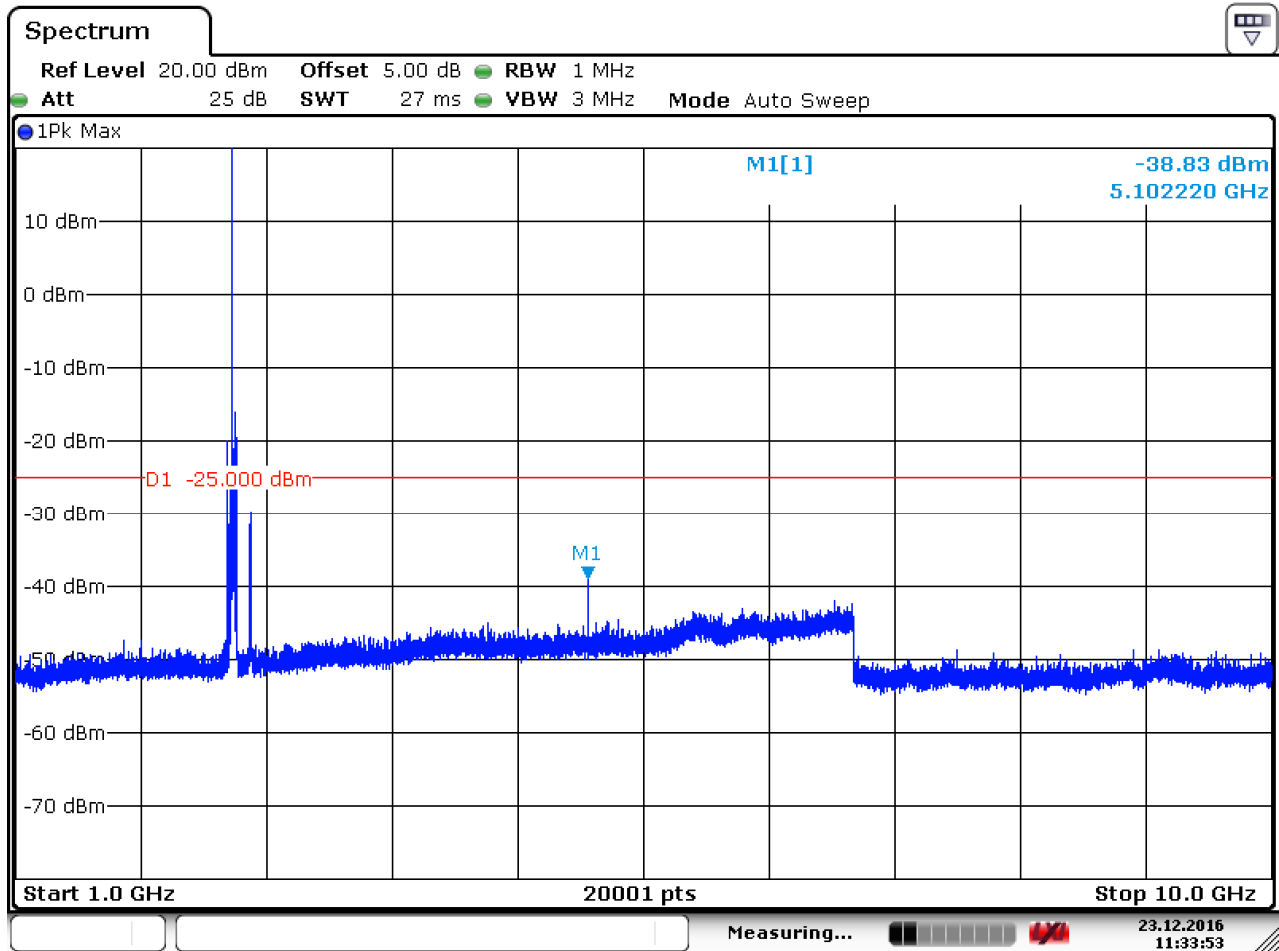


6.1.1.4.3 Test Channel = HCH



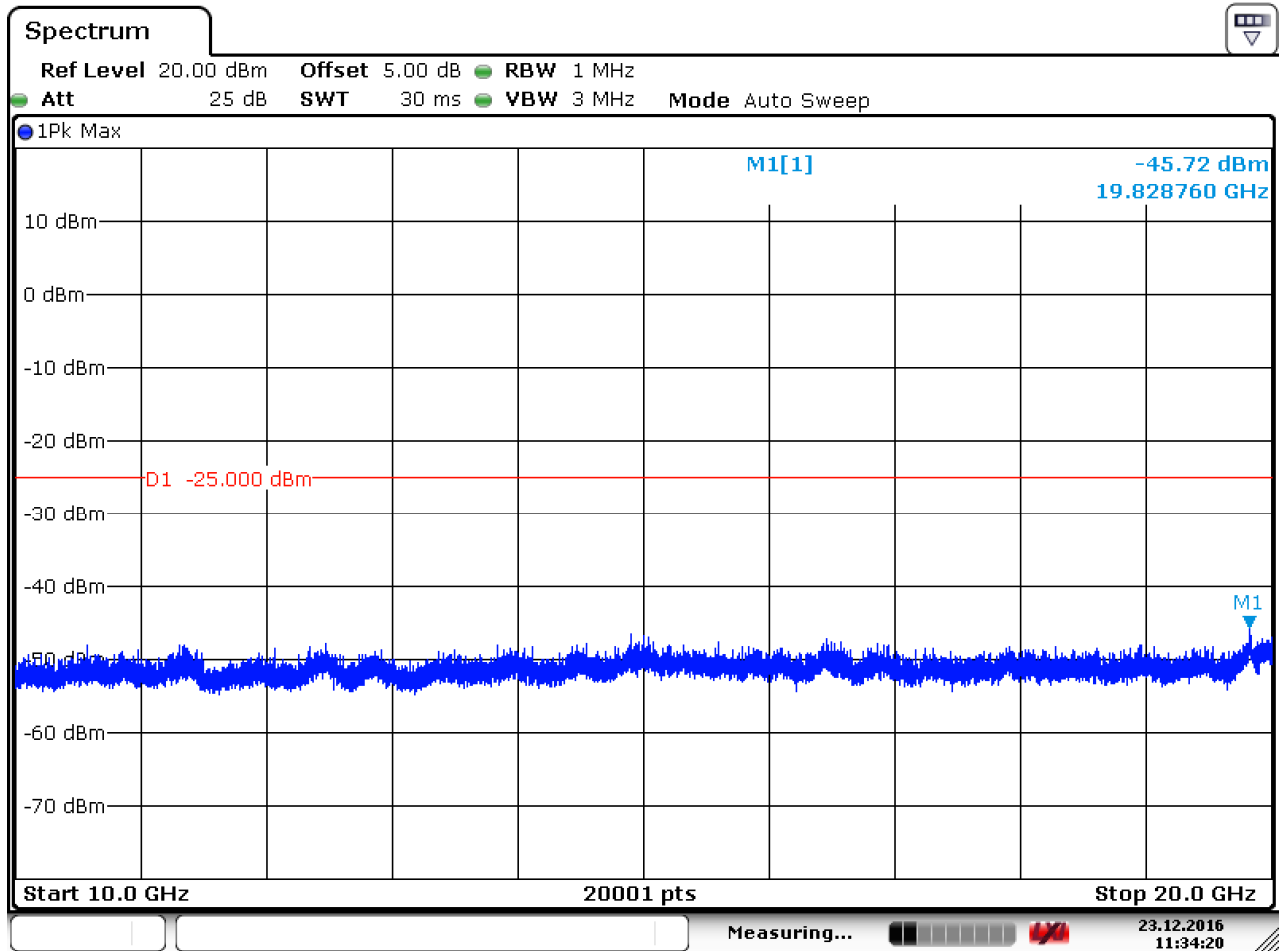
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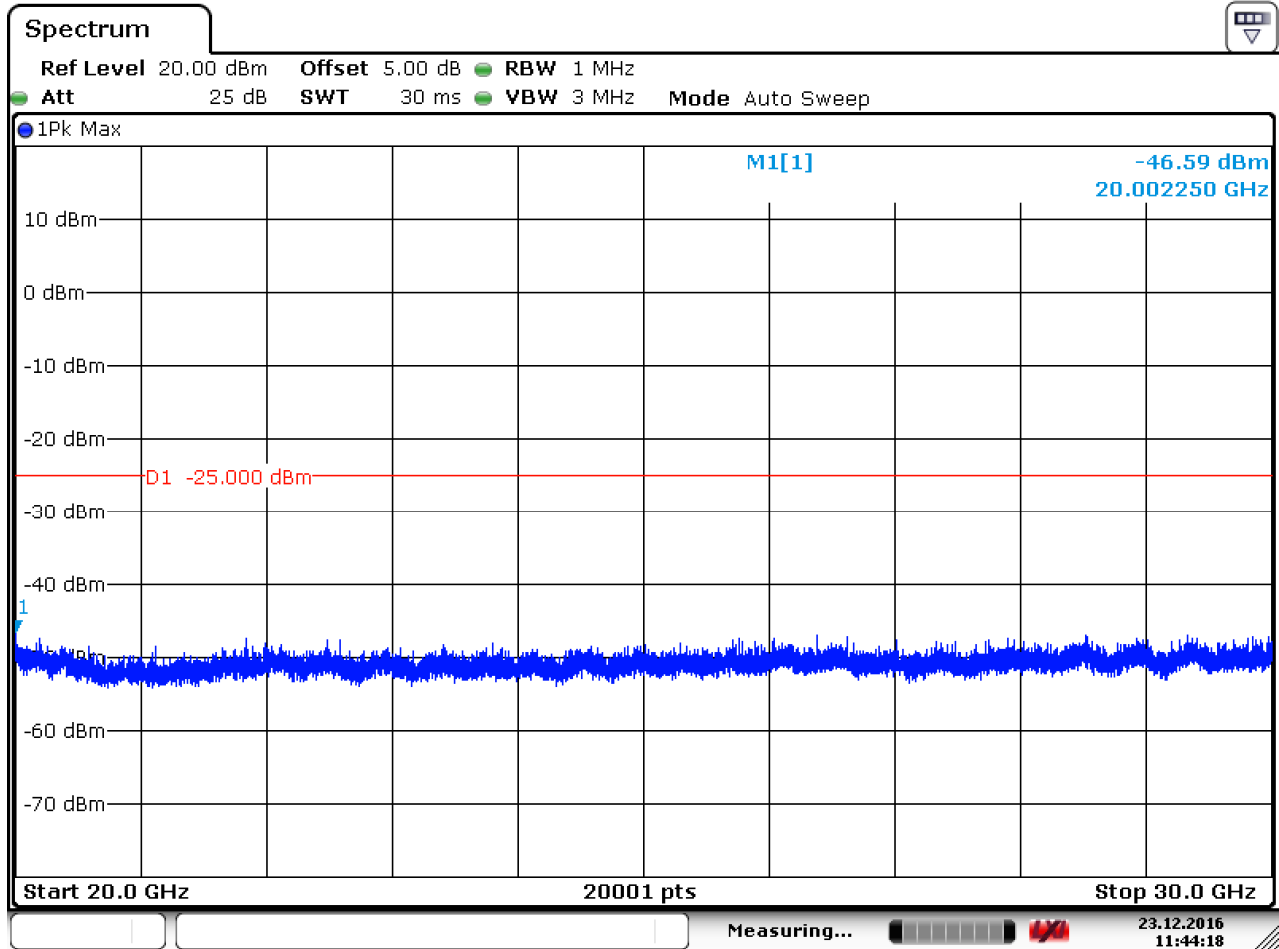
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## 7 Field Strength of Spurious Radiation

### 7.1 For LTE

#### 7.1.1 Test Band = LTE band7

##### 7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1199.000	-66.17	-25.00	41.17	Vertical
1518.000	-66.42	-25.00	41.42	Vertical
4267.500	-67.63	-25.00	42.63	Vertical
1584.000	-65.57	-25.00	40.57	Horizontal
4267.500	-67.44	-25.00	42.44	Horizontal
5730.000	-67.16	-25.00	42.16	Horizontal

##### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1584.000	-66.13	-25.00	41.13	Vertical
2632.000	-58.03	-25.00	33.03	Vertical
4950.000	-67.27	-25.00	42.27	Vertical
1958.000	-63.31	-25.00	38.31	Horizontal
3975.000	-68.68	-25.00	43.68	Horizontal
6510.000	-66.64	-25.00	41.64	Horizontal

##### 7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1595.000	-65.95	-25.00	40.95	Vertical
2552.000	-58.82	-25.00	33.82	Vertical
5145.000	-67.63	-25.00	42.63	Vertical
2616.000	-58.55	-25.00	33.55	Horizontal
4267.500	-67.83	-25.00	42.83	Horizontal
6510.000	-66.57	-25.00	41.57	Horizontal

**NOTE:**

- 1) All modes are tested, but the data presented above is the worst case. 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 7	LTE/TM1 20MHz	LCH	TN	VL	-3.33	-0.00133	PASS
				VN	1.77	0.00071	PASS
				VH	-4.78	-0.00190	PASS
		MCH	TN	VL	-3.00	-0.00118	PASS
				VN	-1.29	-0.00051	PASS
				VH	2.67	0.00105	PASS
		HCH	TN	VL	-5.55	-0.00217	PASS
				VN	-3.49	-0.00136	PASS
				VH	-0.99	-0.00039	PASS
	LTE/TM2 20MHz	LCH	TN	VL	-4.11	-0.00164	PASS
				VN	-2.90	-0.00116	PASS
				VH	-5.02	-0.00200	PASS
		MCH	TN	VL	-1.33	-0.00052	PASS
				VN	-2.70	-0.00107	PASS
				VH	-5.29	-0.00209	PASS
		HCH	TN	VL	-3.57	-0.00139	PASS
				VN	-5.11	-0.00200	PASS
				VH	1.30	0.00051	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
LTEband7	LTE/TM1 20MHz	LCH	VN	-30	-2.89	-0.00115	PASS
				-20	-3.02	-0.00120	PASS
				-10	2.99	0.00119	PASS
				0	-3.30	-0.00131	PASS
				10	2.00	0.00080	PASS
				20	1.10	0.00044	PASS
				30	-4.33	-0.00173	PASS
				40	-5.00	-0.00199	PASS
				50	-4.44	-0.00177	PASS
		MCH	VN	-30	-5.89	-0.00232	PASS
				-20	-5.09	-0.00201	PASS
				-10	-3.56	-0.00140	PASS
				0	-3.19	-0.00126	PASS
				10	-2.34	-0.00092	PASS
				20	-1.10	-0.00043	PASS
				30	-2.79	-0.00110	PASS
				40	-2.77	-0.00109	PASS
				50	-5.20	-0.00205	PASS
		HCH	VN	-30	2.44	0.00095	PASS
				-20	-1.50	-0.00059	PASS
				-10	3.34	0.00130	PASS
				0	-2.12	-0.00083	PASS
				10	2.89	0.00113	PASS
				20	-1.08	-0.00042	PASS
30	-2.56			-0.00100	PASS		
40	-4.10			-0.00160	PASS		
50	-5.55			-0.00217	PASS		



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band7	LTE/TM2 20MHz	LCH	VN	-30	-1.80	-0.00072	PASS
				-20	-2.20	-0.00088	PASS
				-10	3.22	0.00128	PASS
				0	-2.40	-0.00096	PASS
				10	1.77	0.00071	PASS
				20	-0.40	-0.00016	PASS
				30	-3.27	-0.00130	PASS
				40	2.99	0.00119	PASS
		MCH	VN	-30	-3.00	-0.00118	PASS
				-20	-2.23	-0.00088	PASS
				-10	-6.03	-0.00238	PASS
				0	-3.09	-0.00122	PASS
				10	-2.50	-0.00099	PASS
				20	2.10	0.00083	PASS
				30	-3.29	-0.00130	PASS
				40	-4.76	-0.00188	PASS
		HCH	VN	-30	3.99	0.00156	PASS
				-20	-2.40	-0.00094	PASS
				-10	1.76	0.00069	PASS
				0	-3.88	-0.00152	PASS
				10	-2.44	-0.00095	PASS
				20	2.90	0.00113	PASS
				30	-2.03	-0.00079	PASS
				40	-4.89	-0.00191	PASS
			50	-5.60	-0.00219	PASS	

The End

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