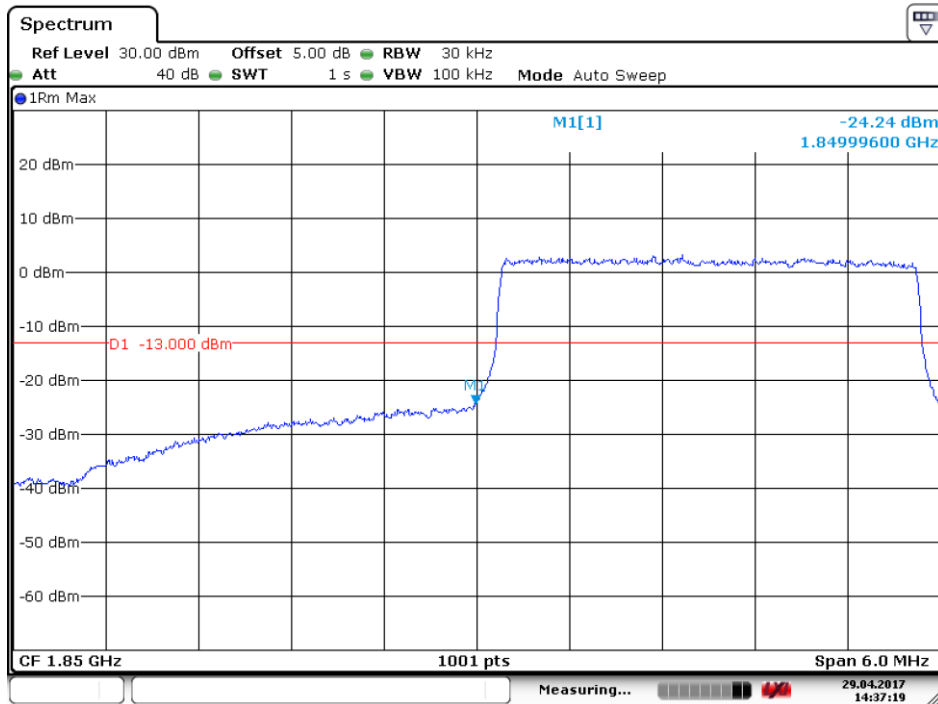




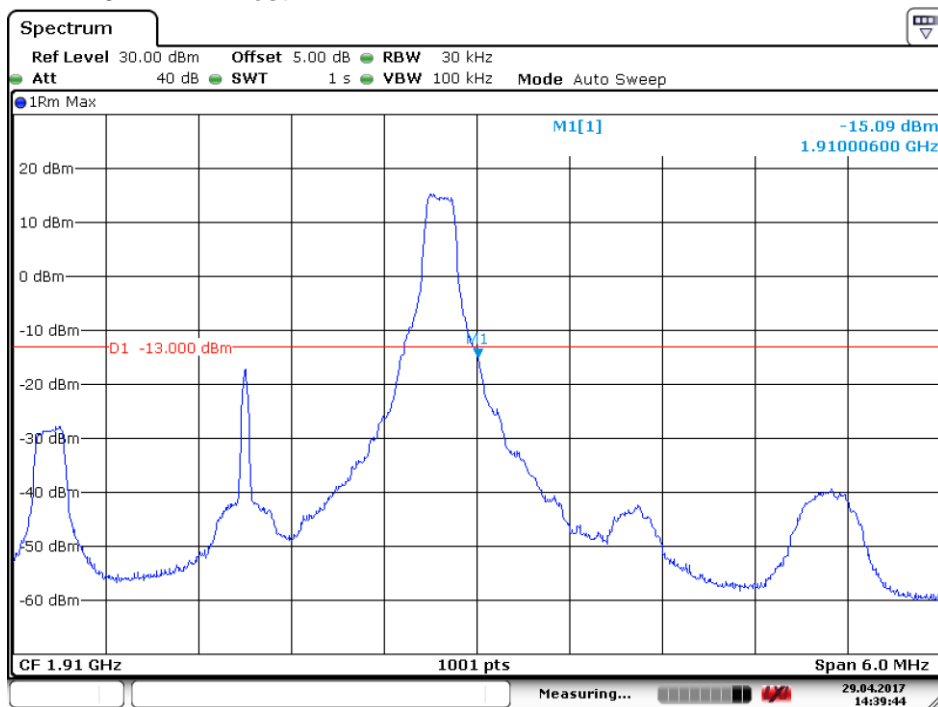
5.1.1.4.1.2 Test RB=15RB



Date: 29.APR.2017 14:37:19

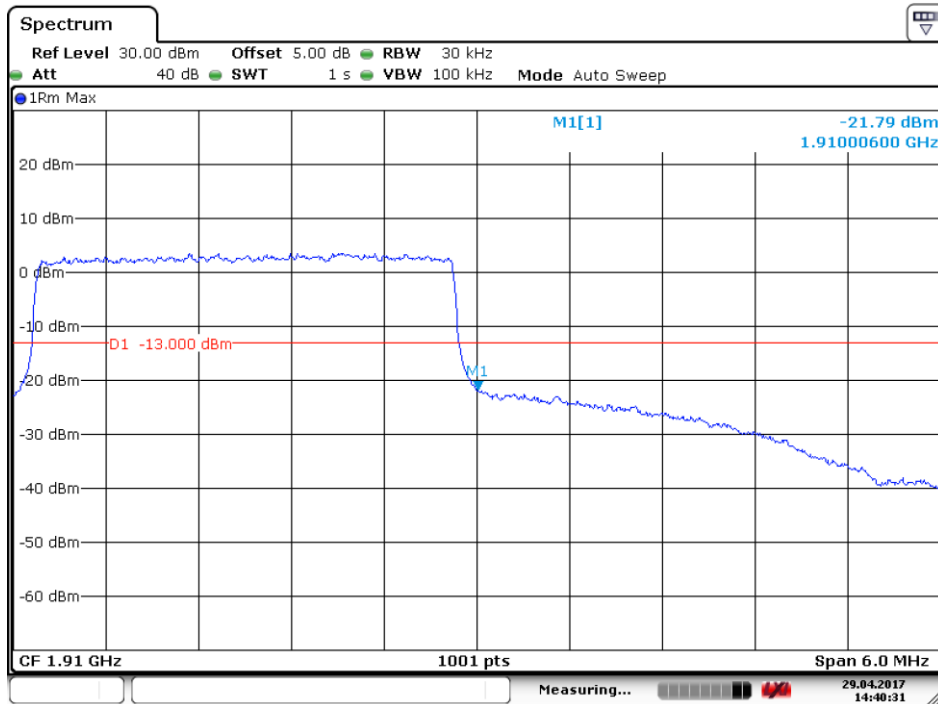
5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 29.APR.2017 14:39:44

5.1.1.4.3 Test RB=15RB

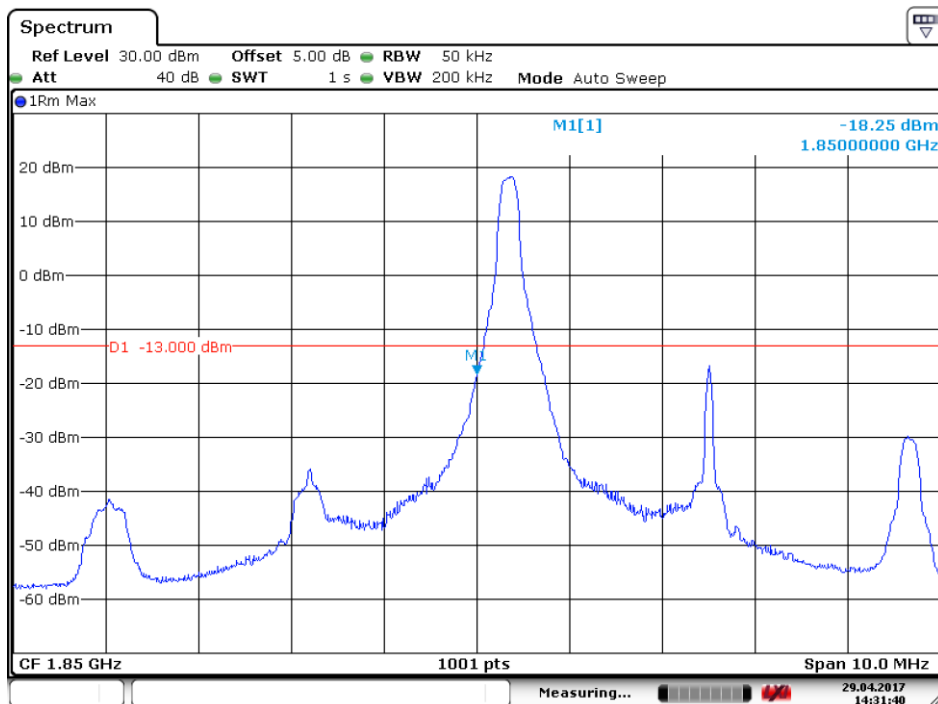


Date: 29.APR.2017 14:40:31

5.1.1.5 Test Mode = LTE/TM1 5MHz

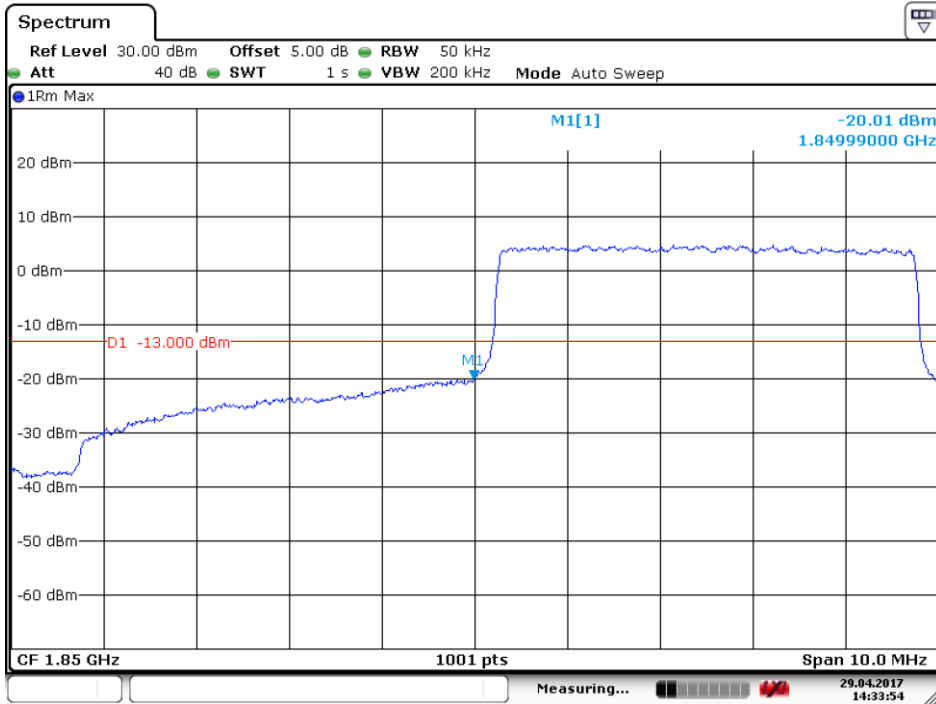
5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB



Date: 29.APR.2017 14:31:40

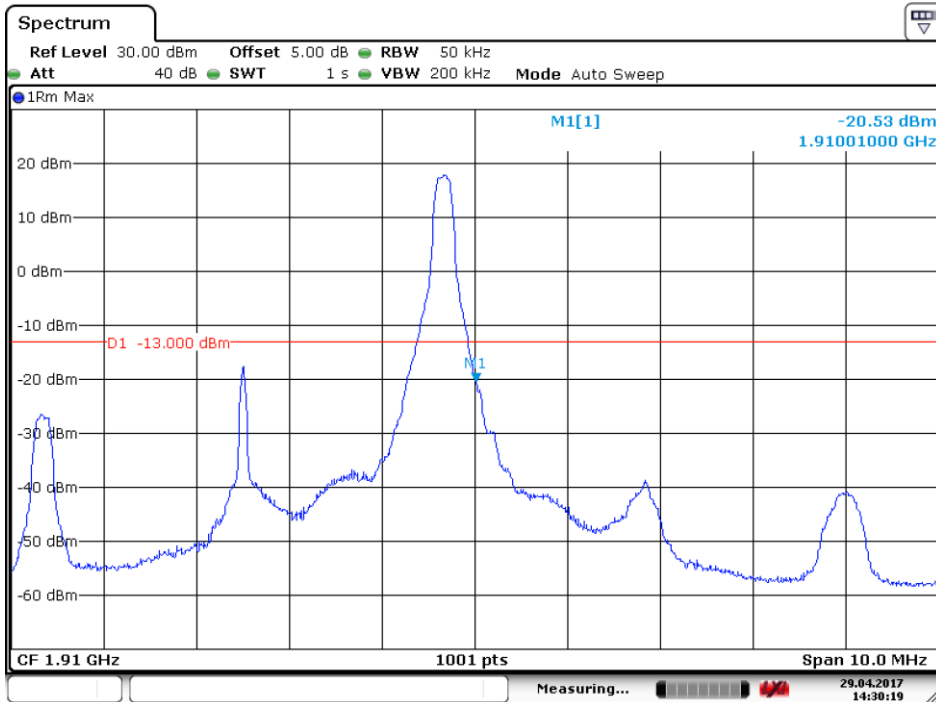
5.1.1.5.1.2 Test RB=25RB



Date: 29.APR.2017 14:33:55

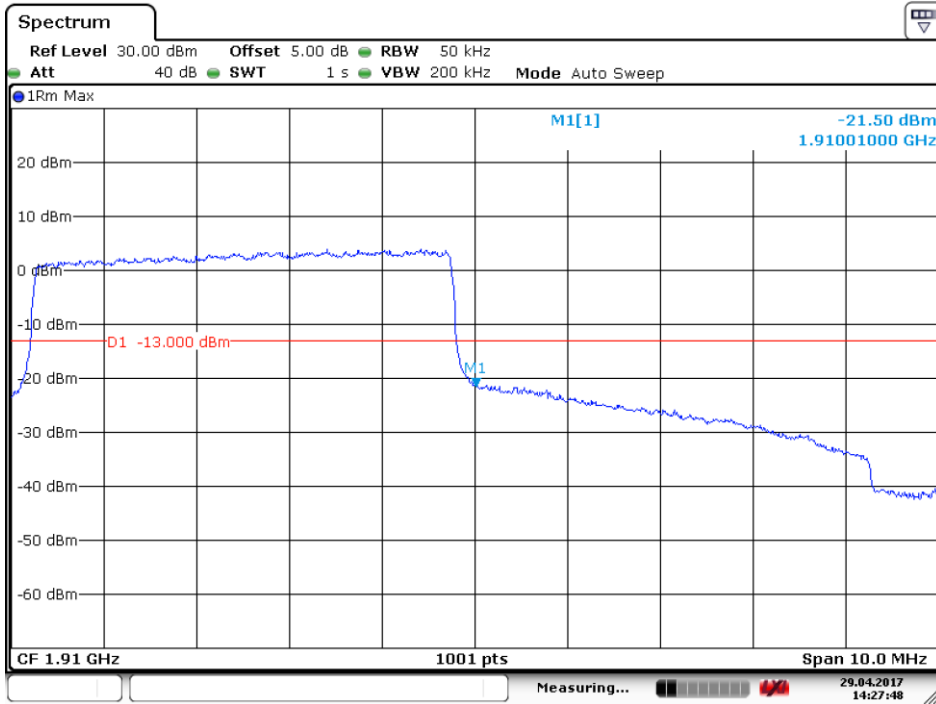
5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=1RB



Date: 29.APR.2017 14:30:19

5.1.1.5.2.2 Test RB=25RB

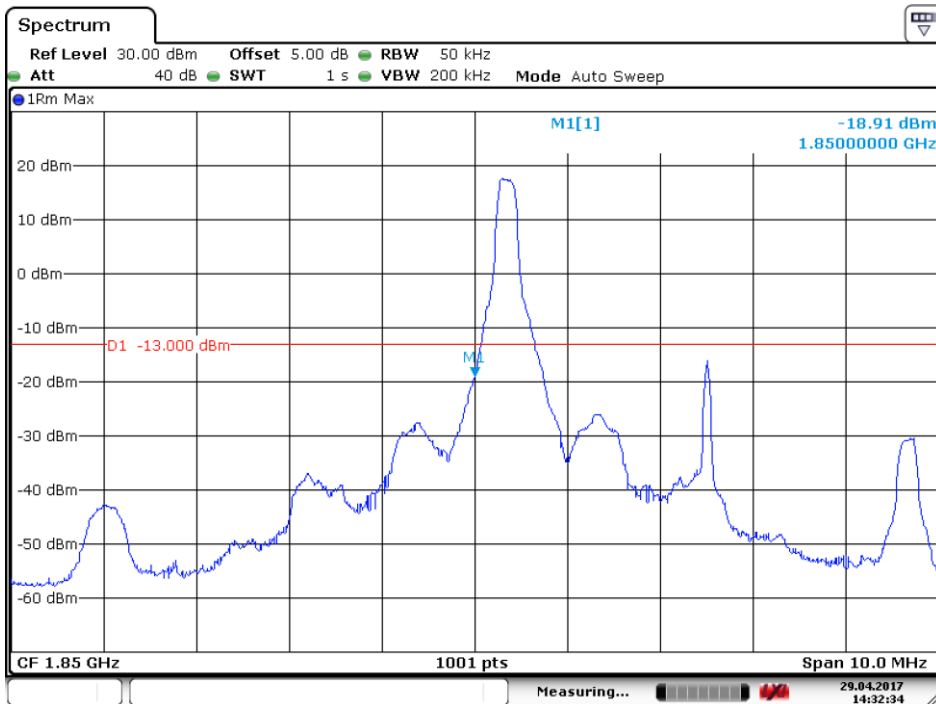


Date: 29.APR.2017 14:27:49

5.1.1.6 Test Mode = LTE/TM2 5MHz

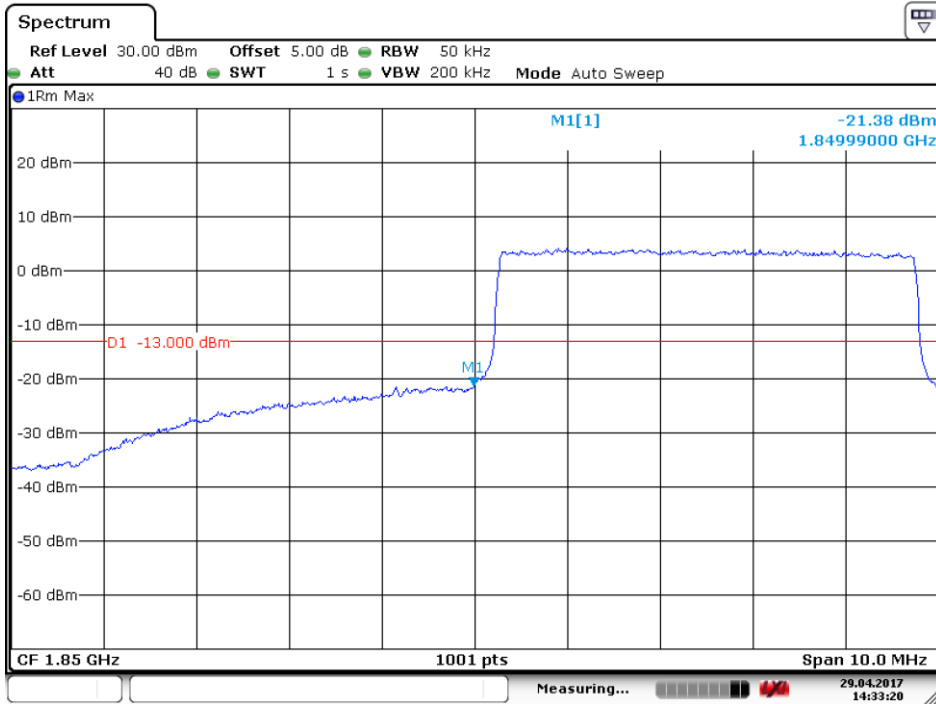
5.1.1.6.1 Test Channel = LCH

5.1.1.6.1.1 Test RB=1RB



Date: 29.APR.2017 14:32:34

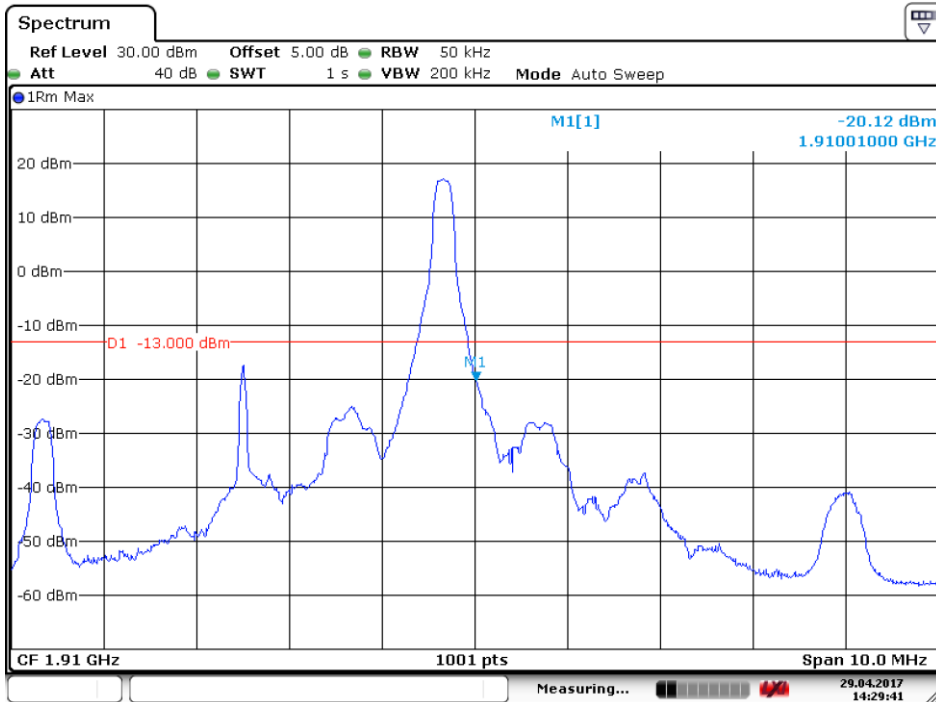
5.1.1.6.1.2 Test RB=25RB



Date: 29.APR.2017 14:33:19

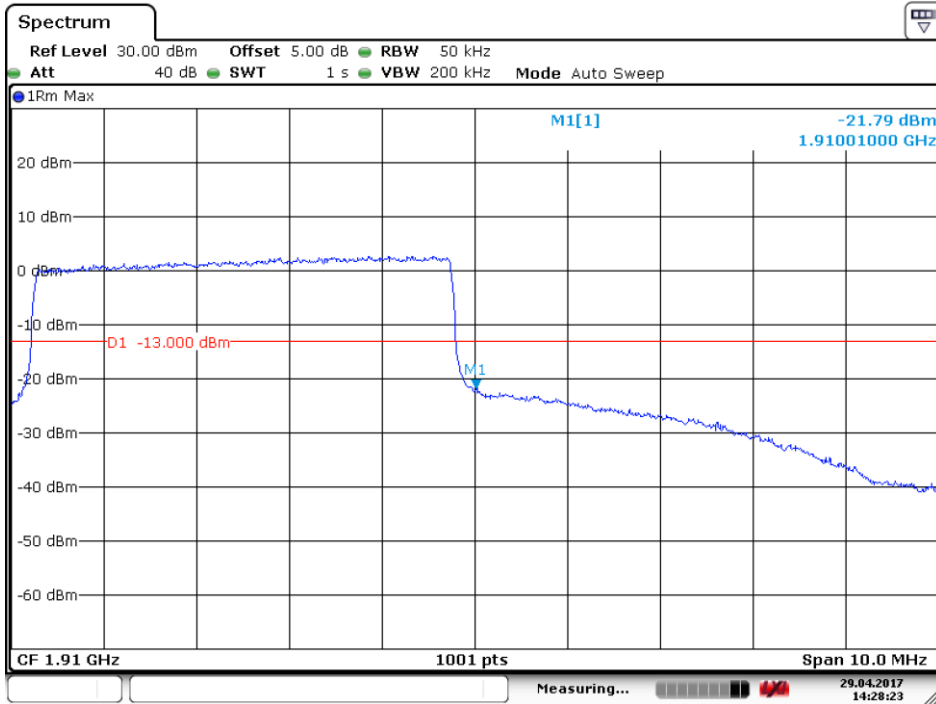
5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



Date: 29.APR.2017 14:29:41

5.1.1.6.2.2 Test RB=25RB

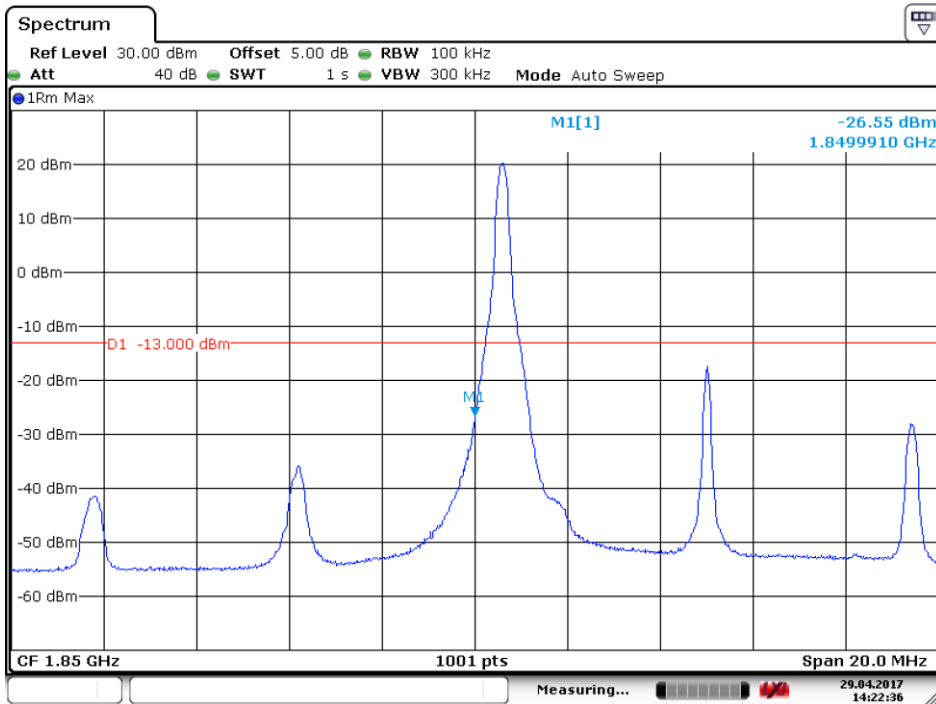


Date: 29.APR.2017 14:28:23

5.1.1.7 Test Mode = LTE/TM1 10MHz

5.1.1.7.1 Test Channel = LCH

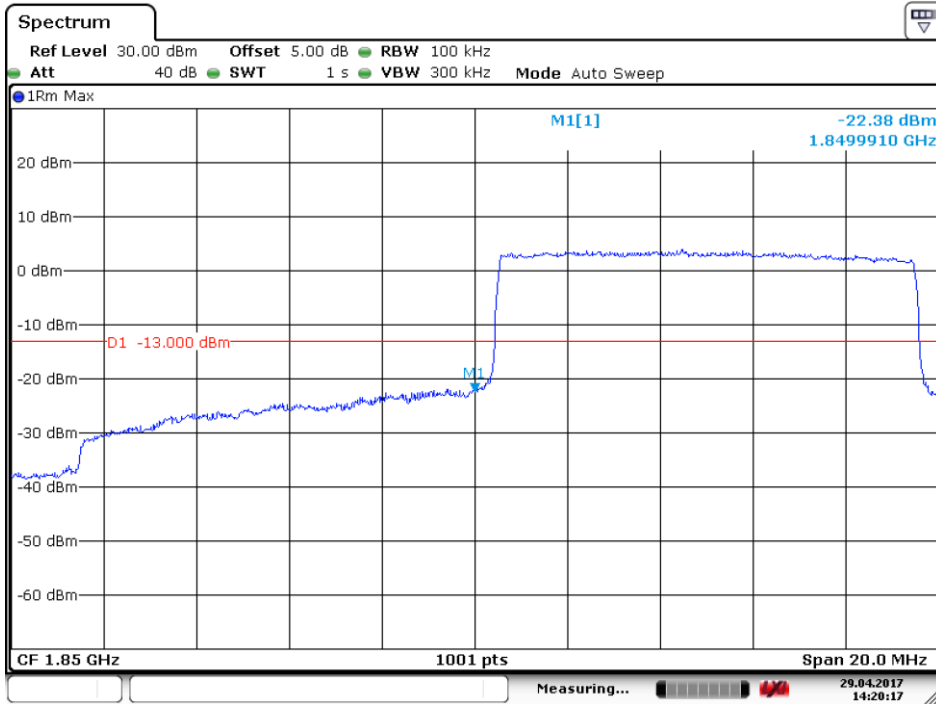
5.1.1.7.1.1 Test RB=1RB



Date: 29.APR.2017 14:22:36



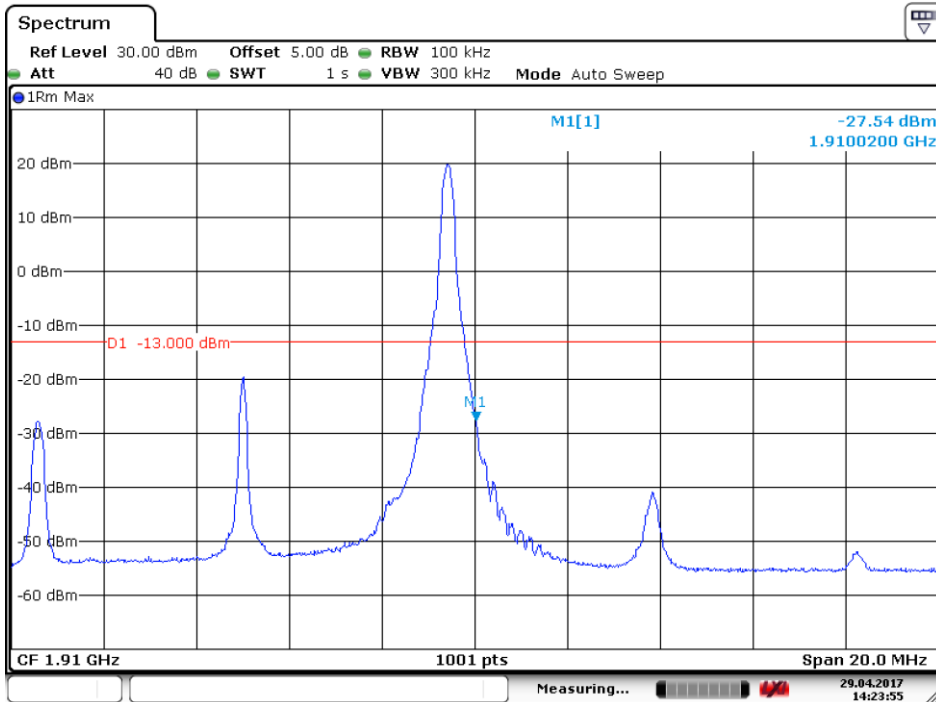
5.1.1.7.1.2 Test RB=50RB



Date: 29.APR.2017 14:20:17

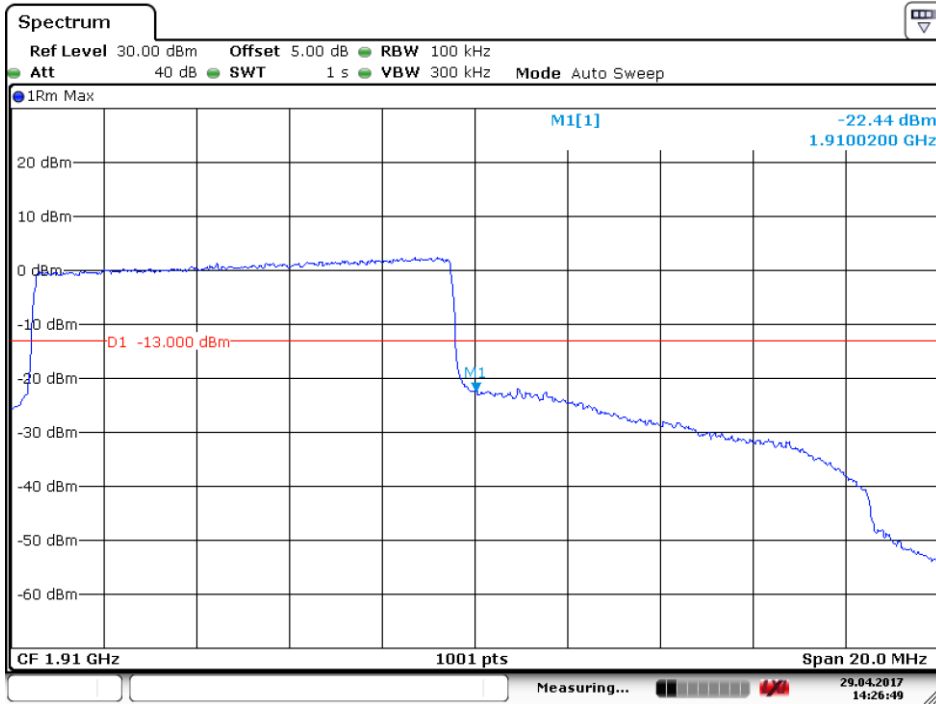
5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 29.APR.2017 14:23:55

5.1.1.7.2.2 Test RB=50RB

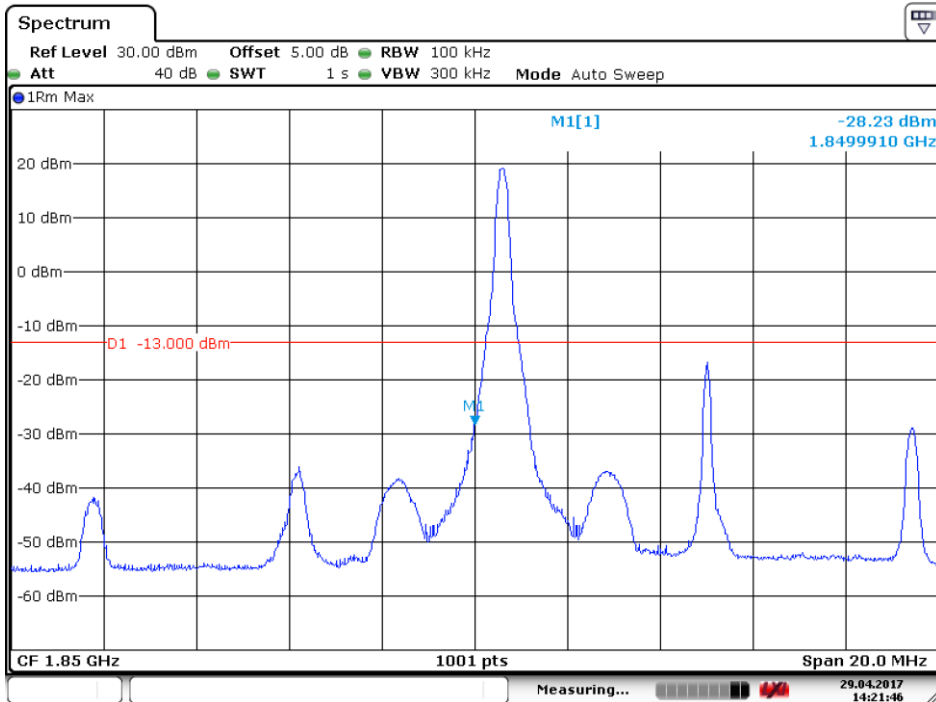


Date: 29.APR.2017 14:26:50

5.1.1.8 Test Mode = LTE/TM2 10MHz

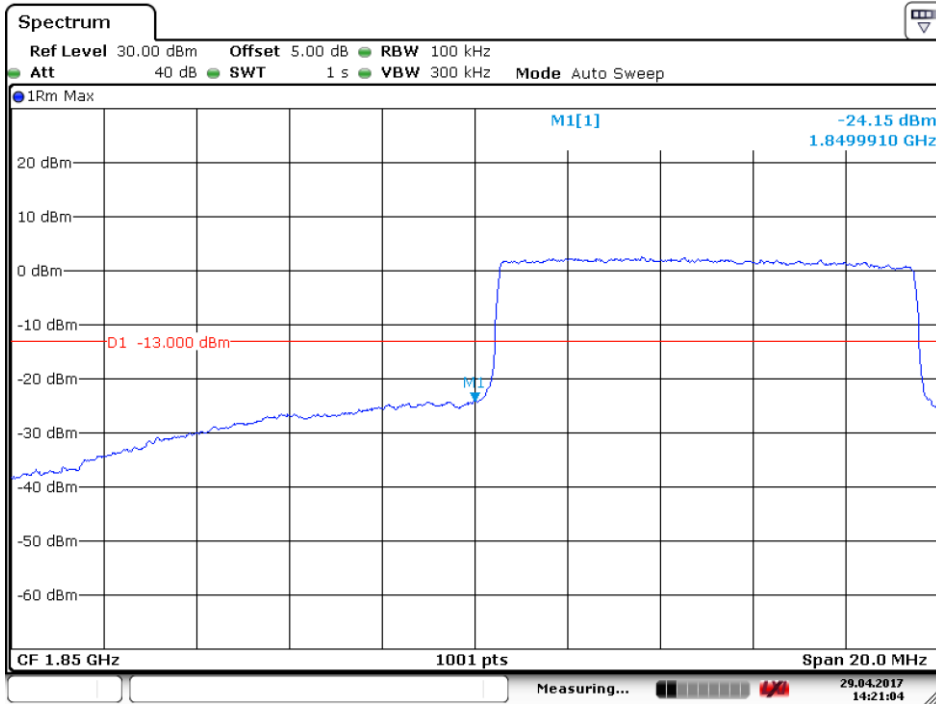
5.1.1.8.1 Test Channel = LCH

5.1.1.8.1.1 Test RB=1RB



Date: 29.APR.2017 14:21:46

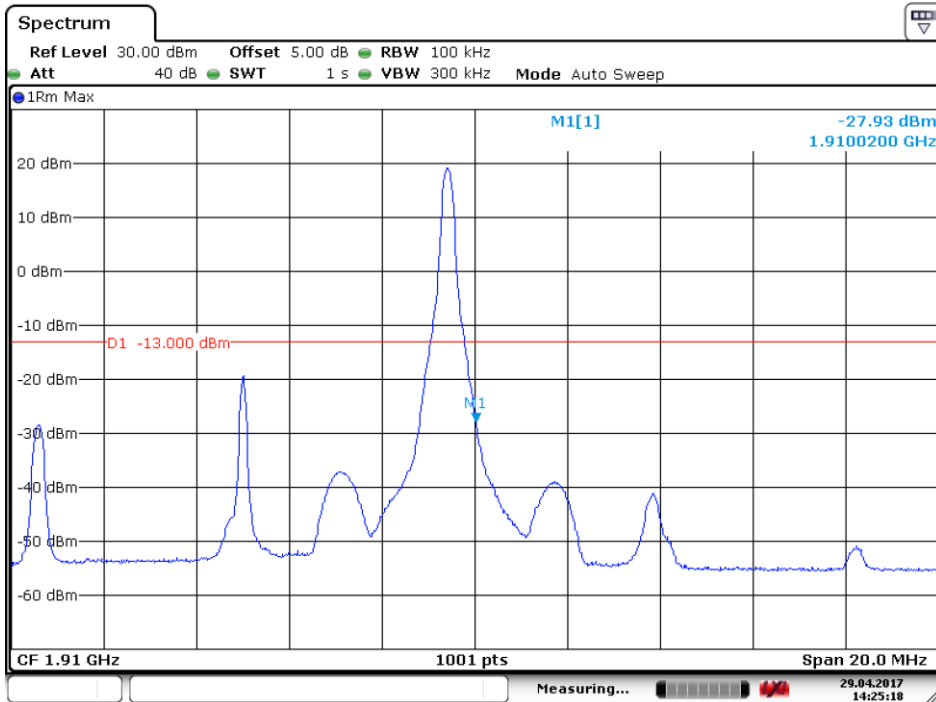
5.1.1.8.1.2 Test RB=50RB



Date: 29.APR.2017 14:21:05

5.1.1.8.2 Test Channel = HCH

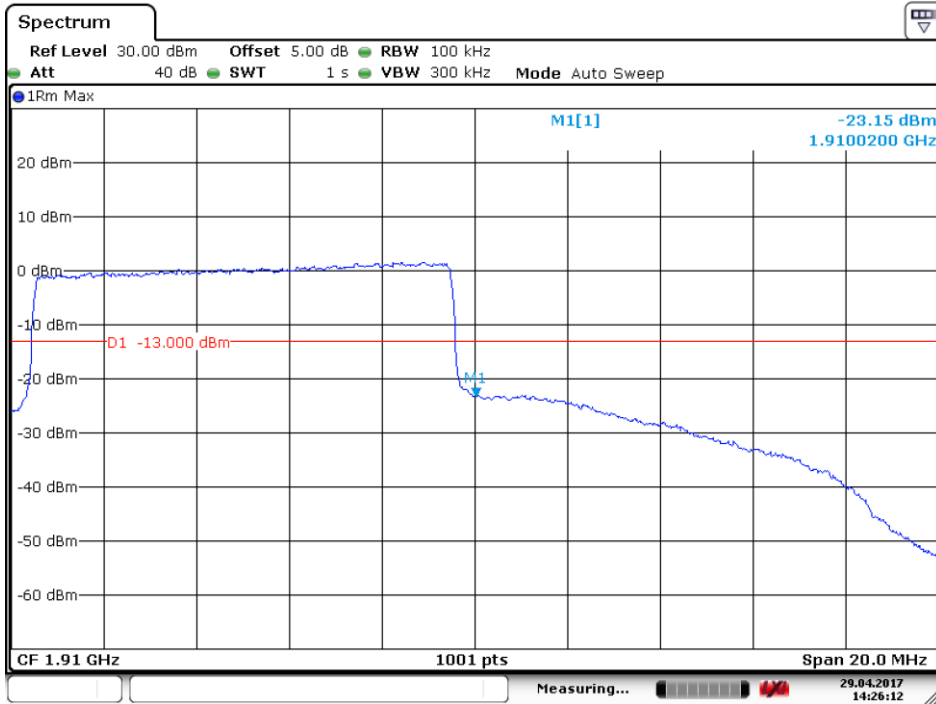
5.1.1.8.2.1 Test RB=1RB



Date: 29.APR.2017 14:25:18



5.1.1.8.2.2 Test RB=50RB

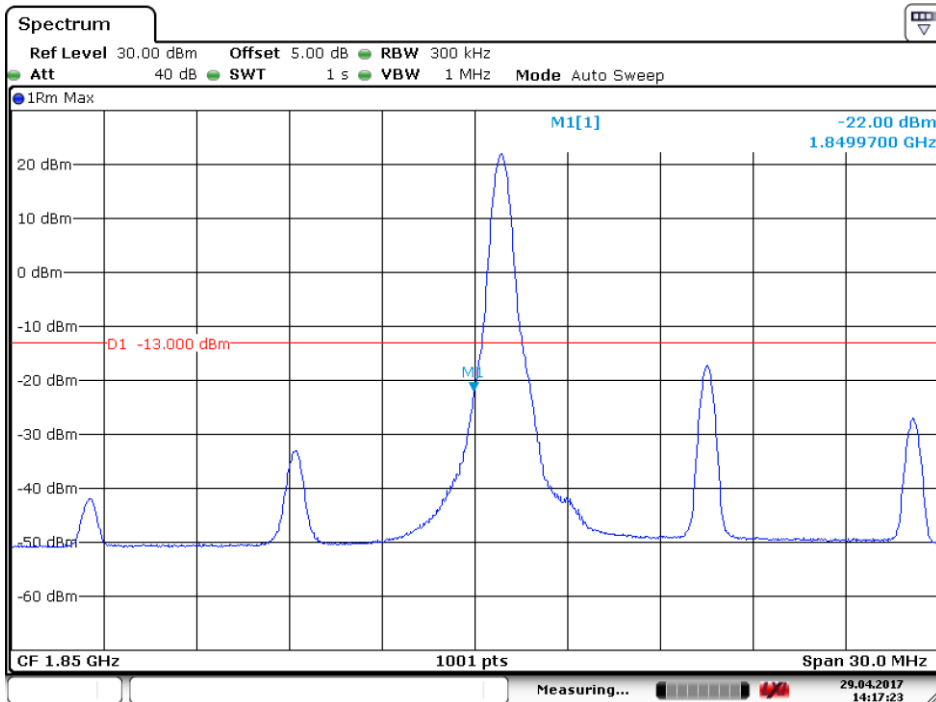


Date: 29.APR.2017 14:26:12

5.1.1.9 Test Mode = LTE/TM1 15MHz

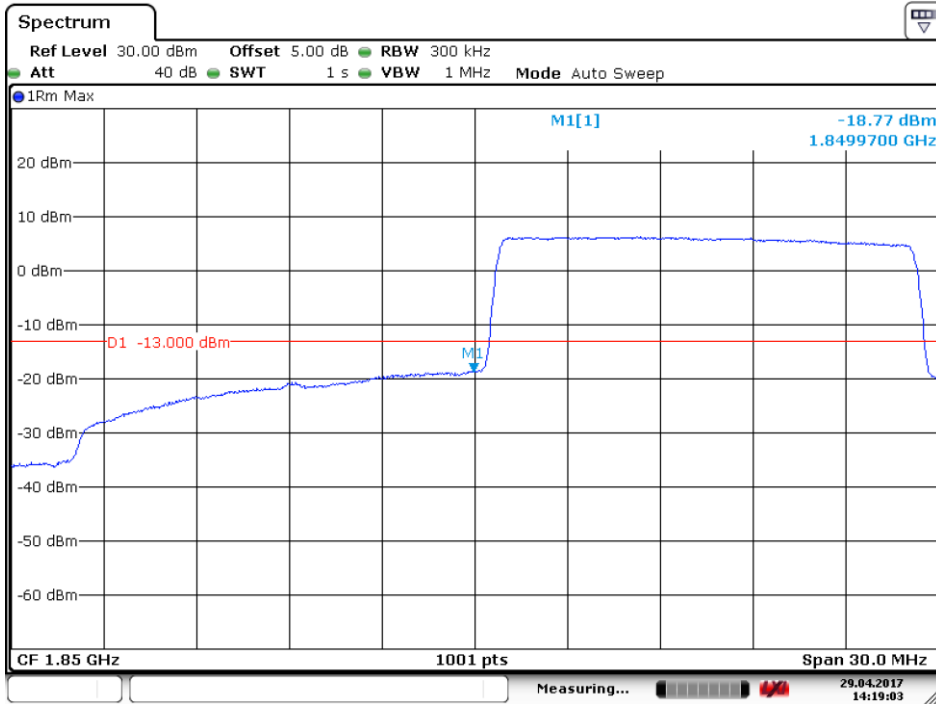
5.1.1.9.1 Test Channel = LCH

5.1.1.9.1.1 Test RB=1RB



Date: 29.APR.2017 14:17:24

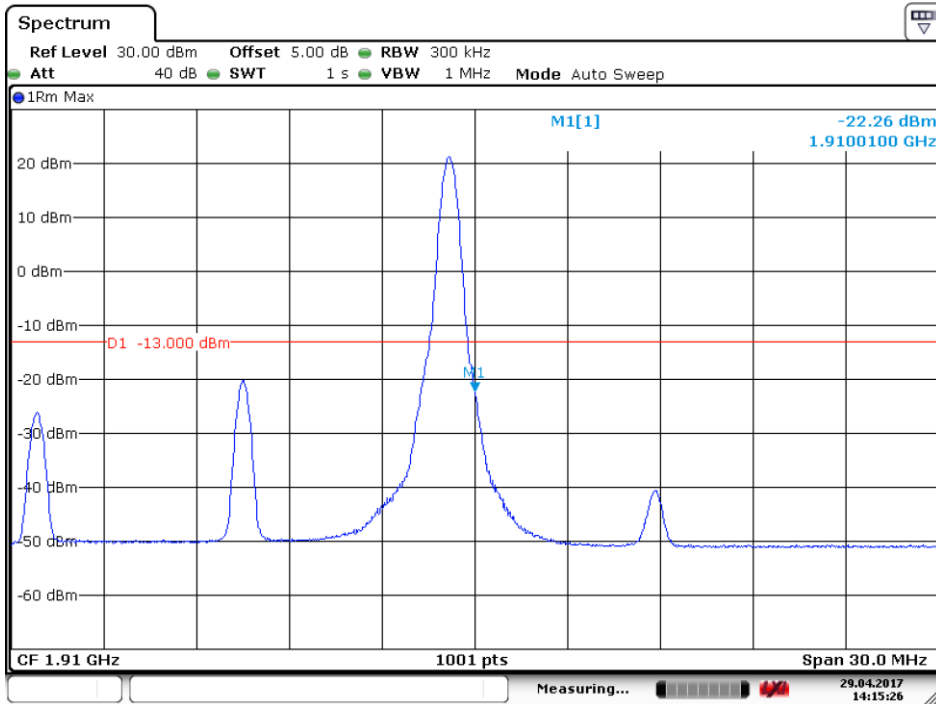
5.1.1.9.1.2 Test RB=75RB



Date: 29.APR.2017 14:19:03

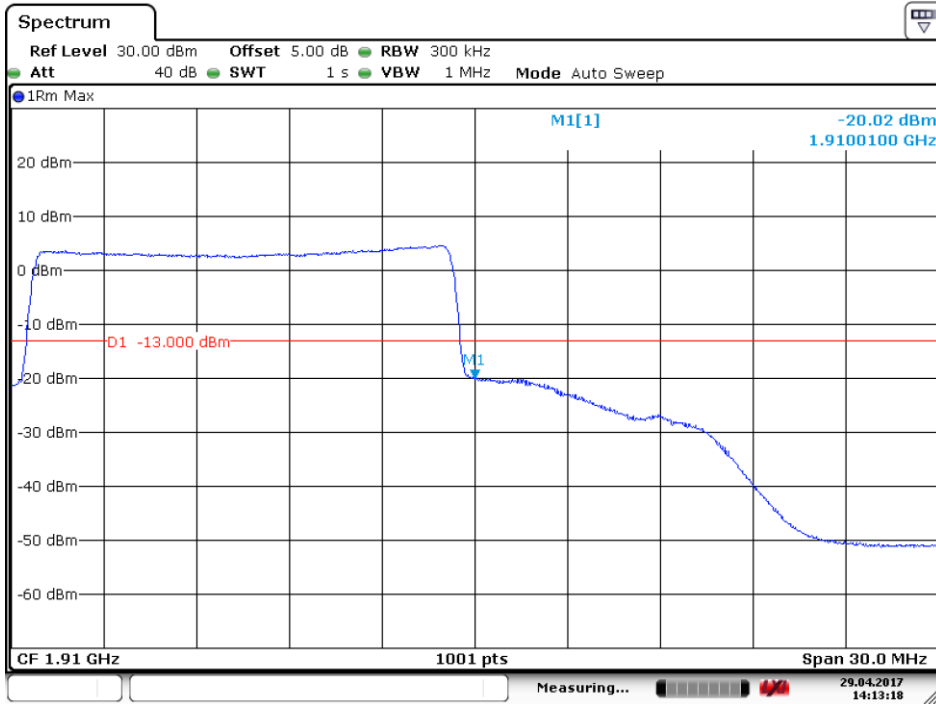
5.1.1.9.2 Test Channel = HCH

5.1.1.9.2.1 Test RB=1RB



Date: 29.APR.2017 14:15:26

5.1.1.9.2.2 Test RB=75RB

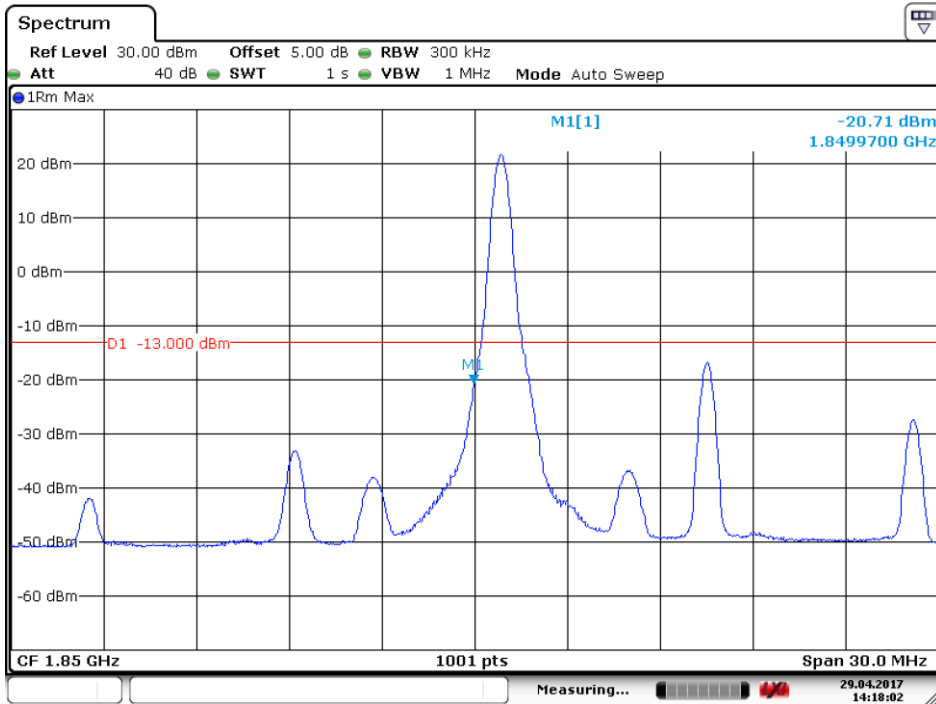


Date: 29.APR.2017 14:13:18

5.1.1.10 Test Mode = LTE/TM2 15MHz

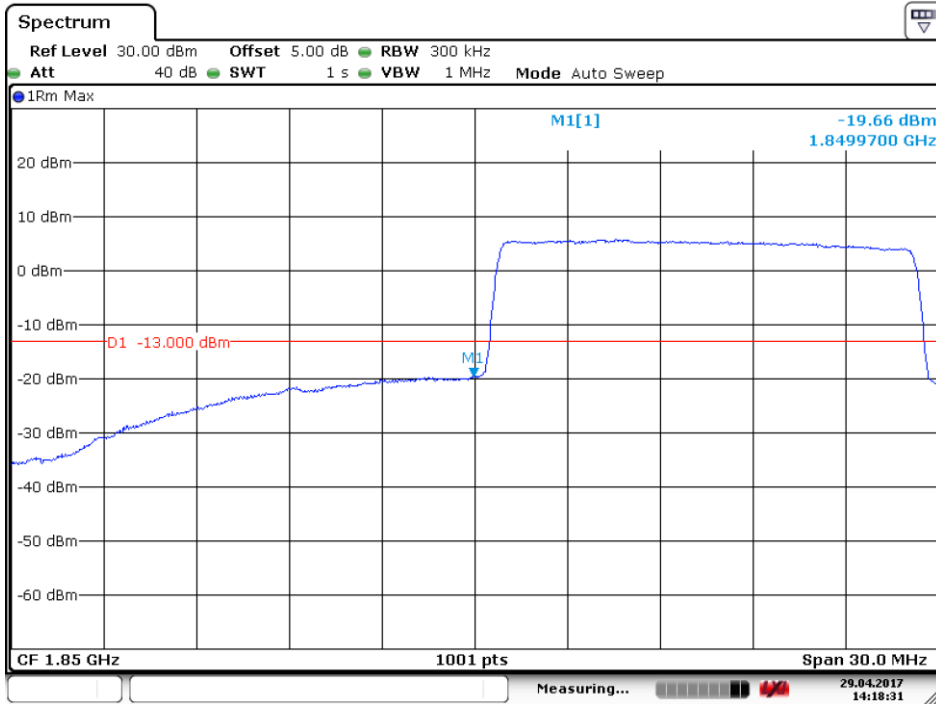
5.1.1.10.1 Test Channel = LCH

5.1.1.10.1.1 Test RB=1RB



Date: 29.APR.2017 14:18:02

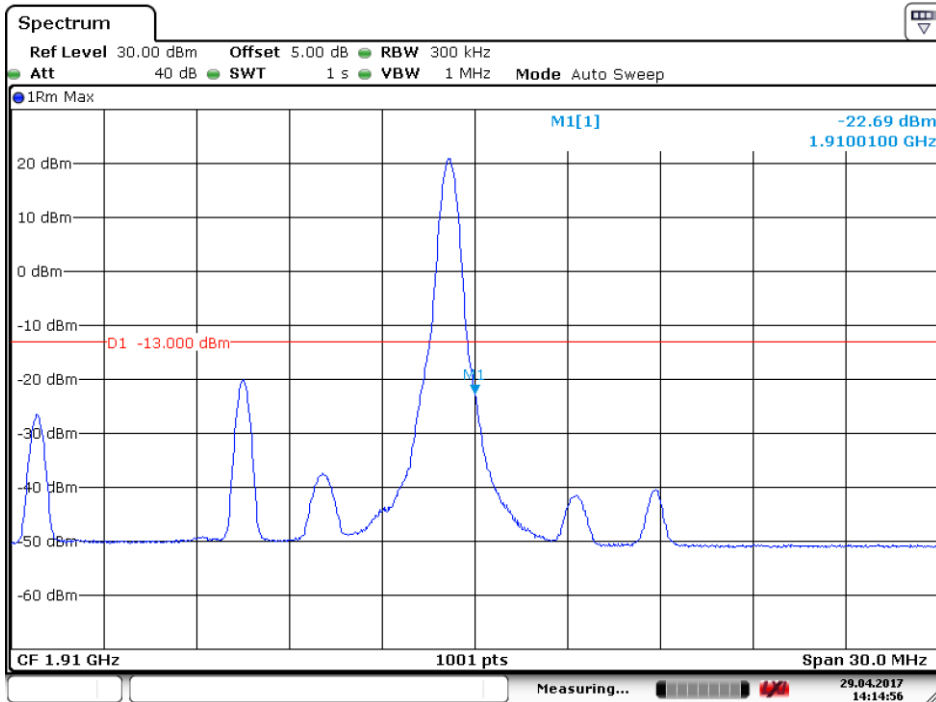
5.1.1.10.1.2 Test RB=75RB



Date: 29.APR.2017 14:18:31

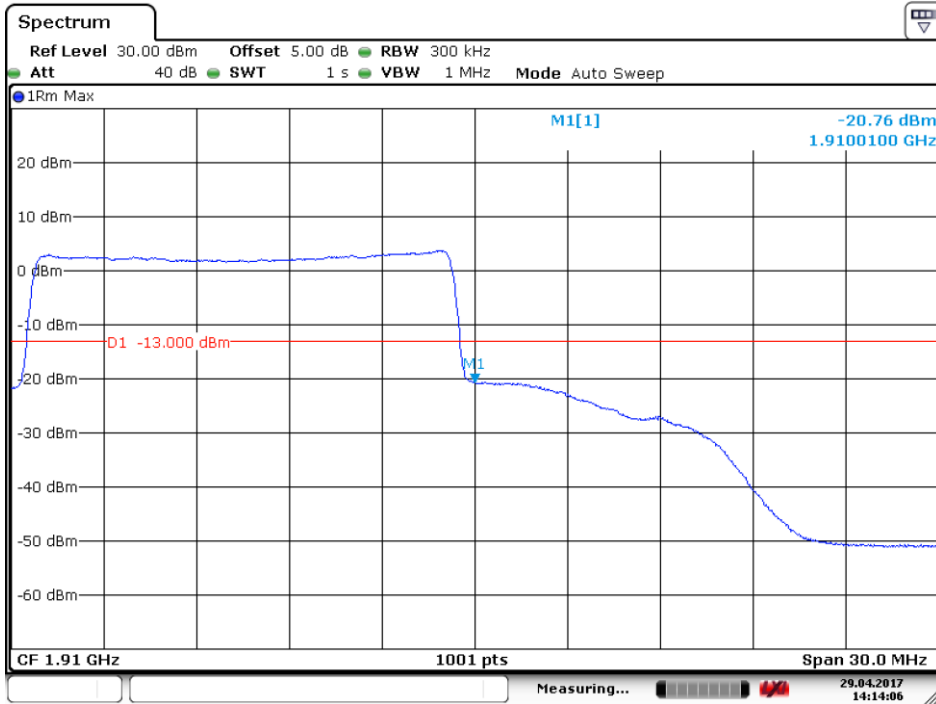
5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



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

5.1.1.10.2 Test RB=75RB

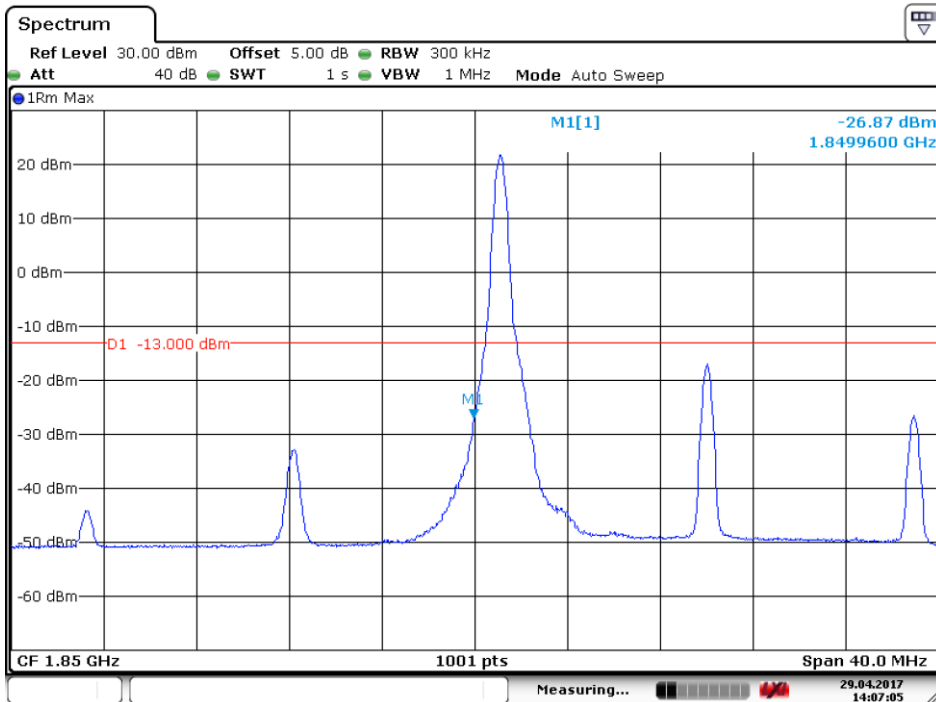


Date: 29.APR.2017 14:14:06

5.1.1.11 Test Mode = LTE/TM1 20MHz

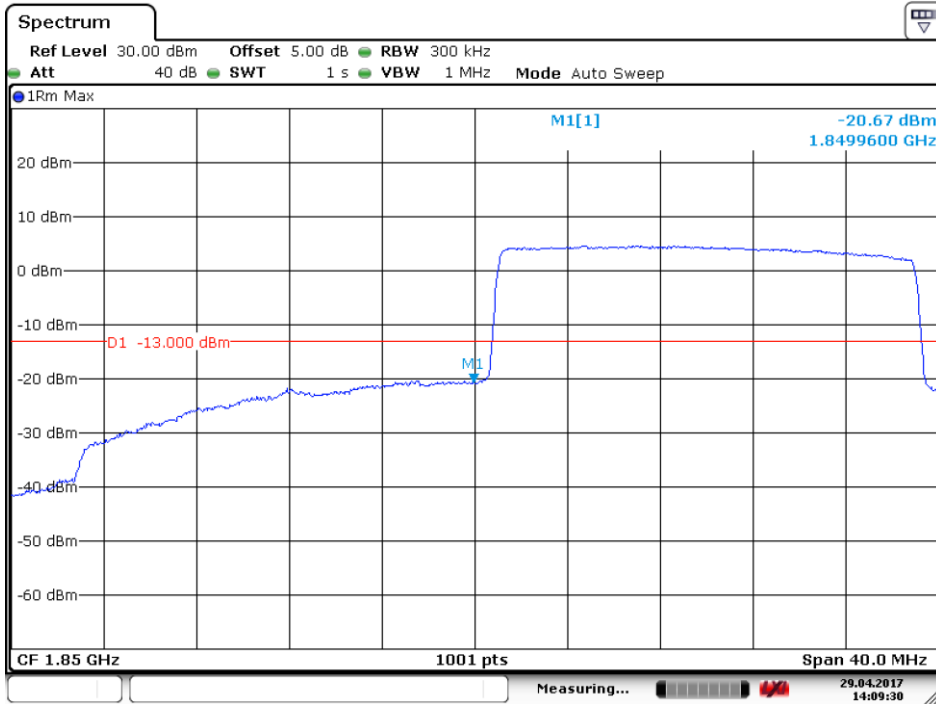
5.1.1.11.1 Test Channel = LCH

5.1.1.11.1.1 Test RB=1RB



Date: 29.APR.2017 14:07:05

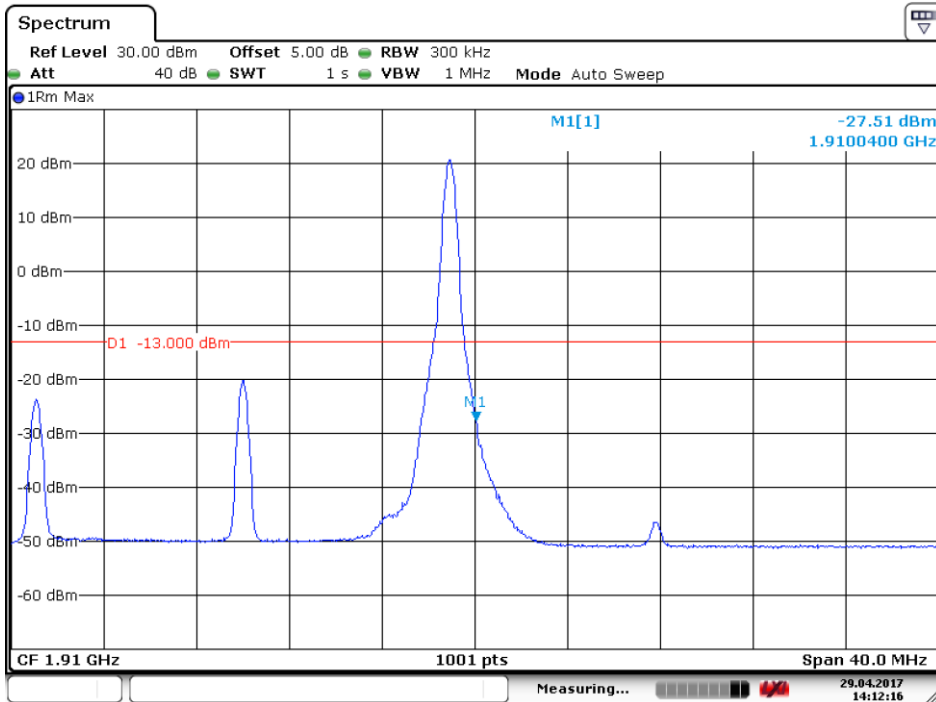
5.1.1.11.1.2 Test RB=100RB



Date: 29.APR.2017 14:09:30

5.1.1.11.2 Test Channel = HCH

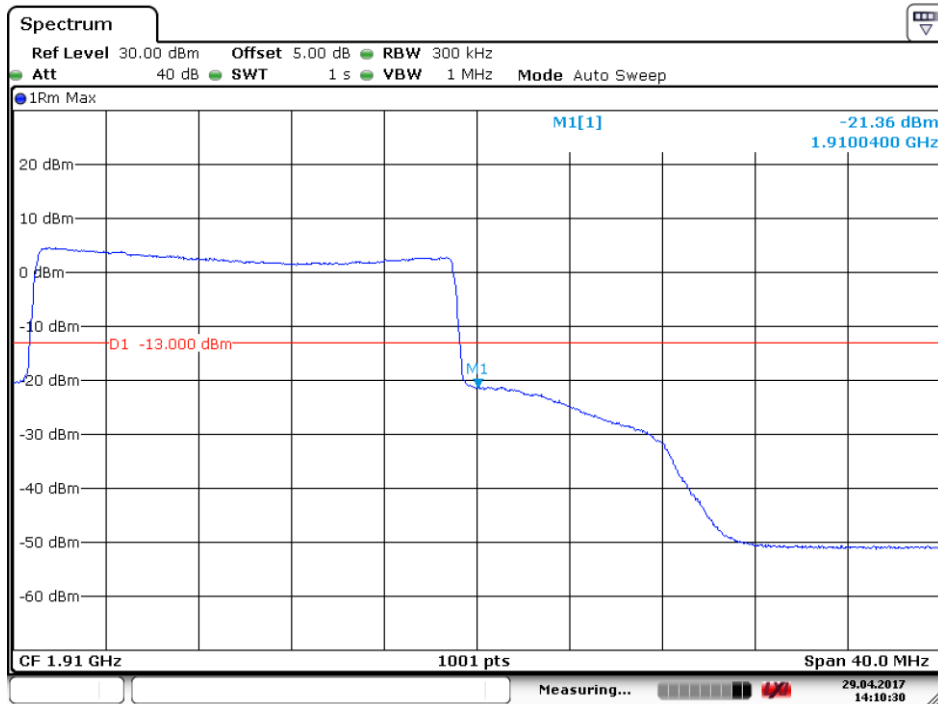
5.1.1.11.2.1 Test RB=1RB



Date: 29.APR.2017 14:12:16



5.1.1.11.2.2 Test RB=100RB

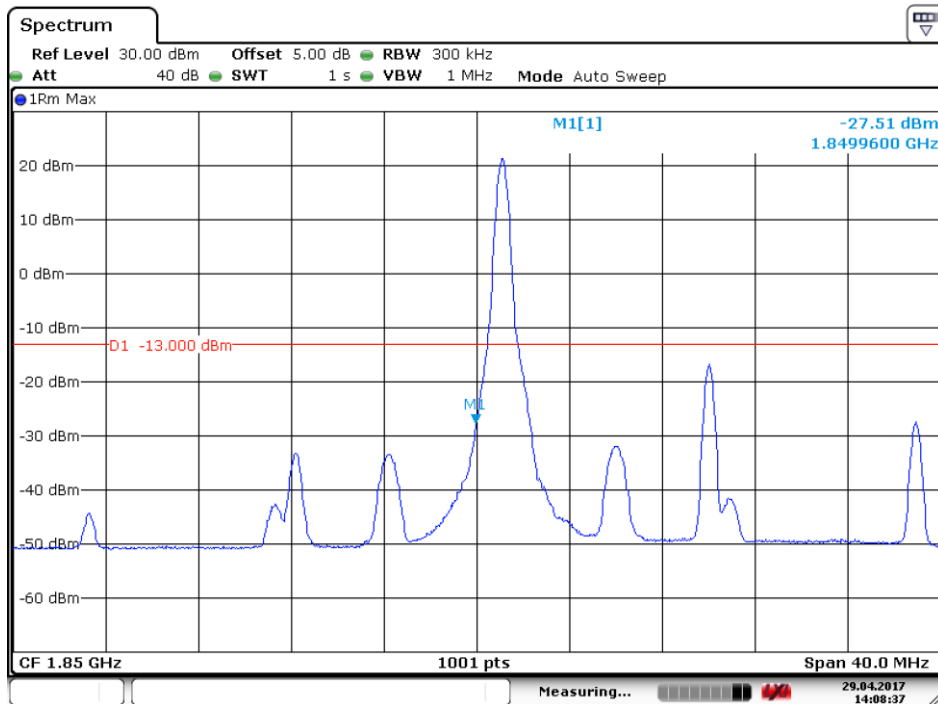


Date: 29.APR.2017 14:10:30

5.1.1.12 Test Mode = LTE/TM2 20MHz

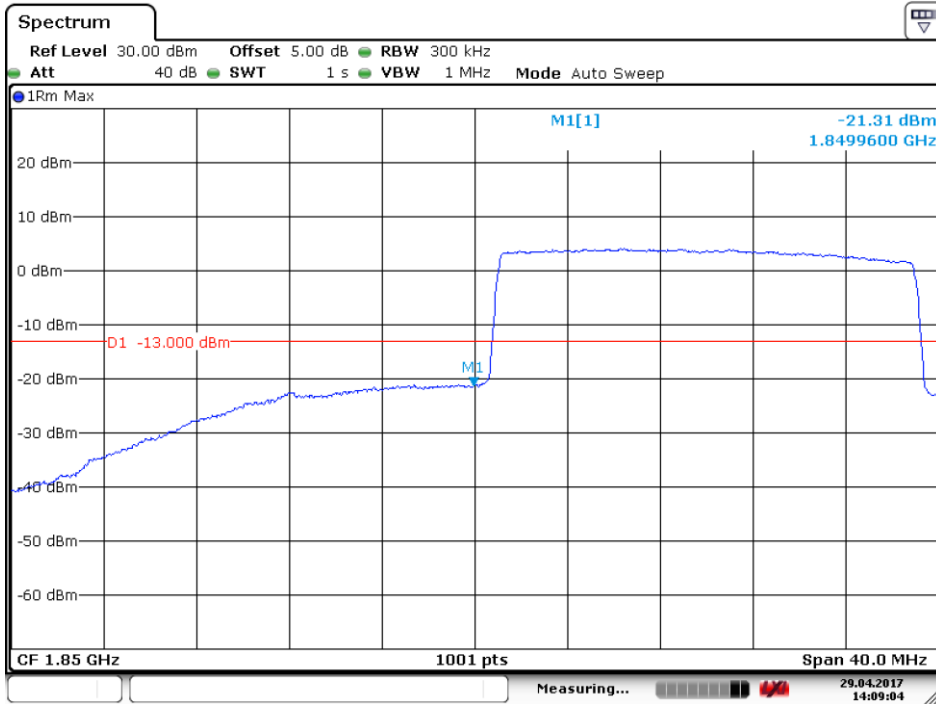
5.1.1.12.1 Test Channel = LCH

5.1.1.12.1.1 Test RB=1RB



Date: 29.APR.2017 14:08:38

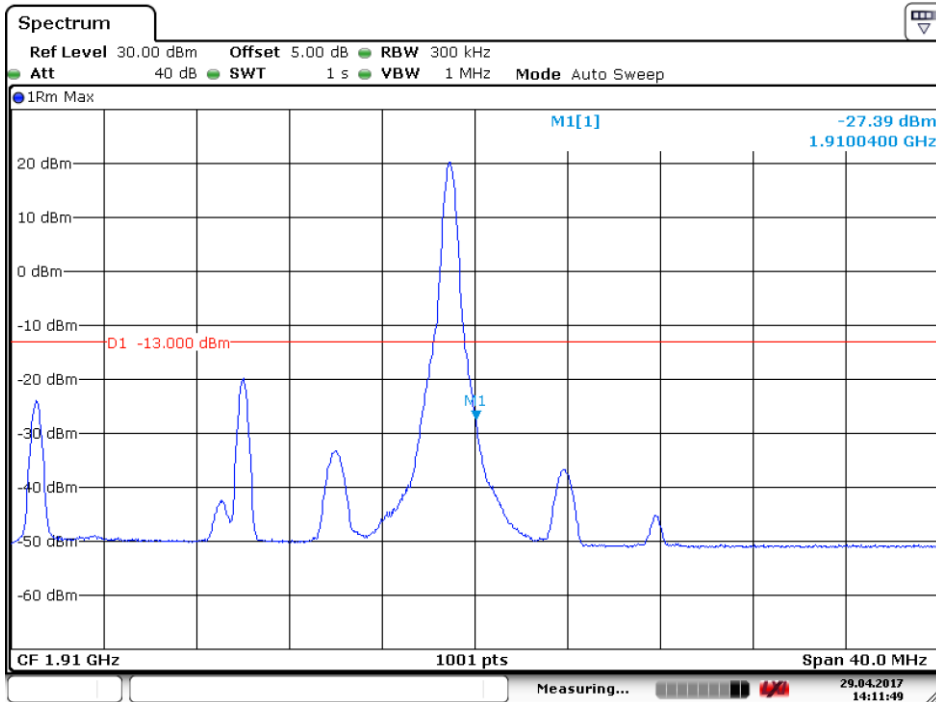
5.1.1.12.1.2 Test RB=100RB



Date: 29.APR.2017 14:09:05

5.1.1.12.2 Test Channel = HCH

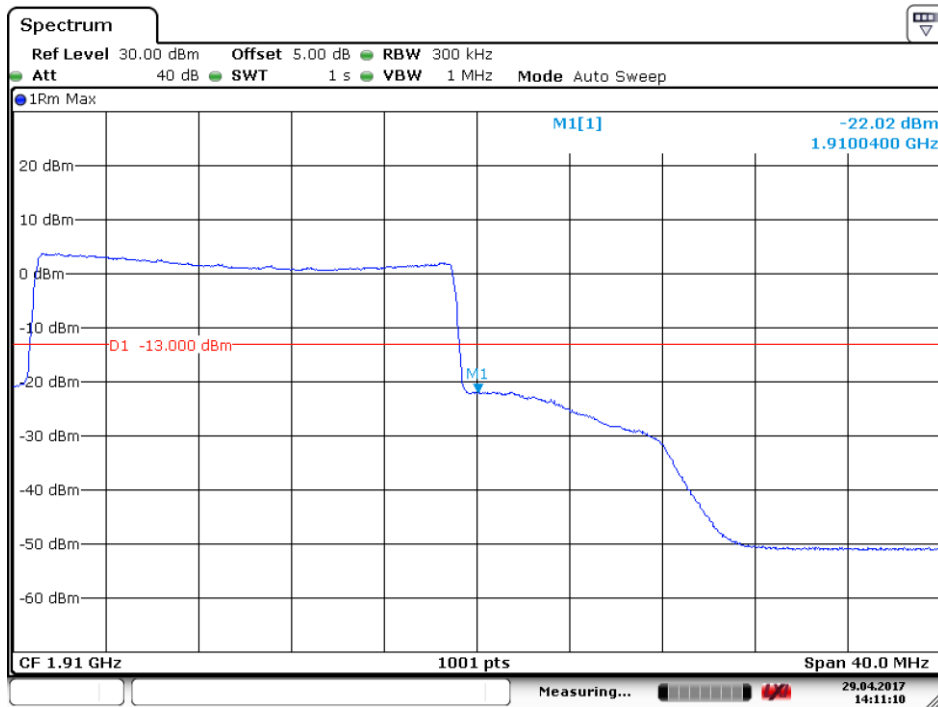
5.1.1.12.2.1 Test RB=1RB



Date: 29.APR.2017 14:11:49



5.1.1.12.2.2 Test RB=100RB



Date: 29.APR.2017 14:11:10

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.

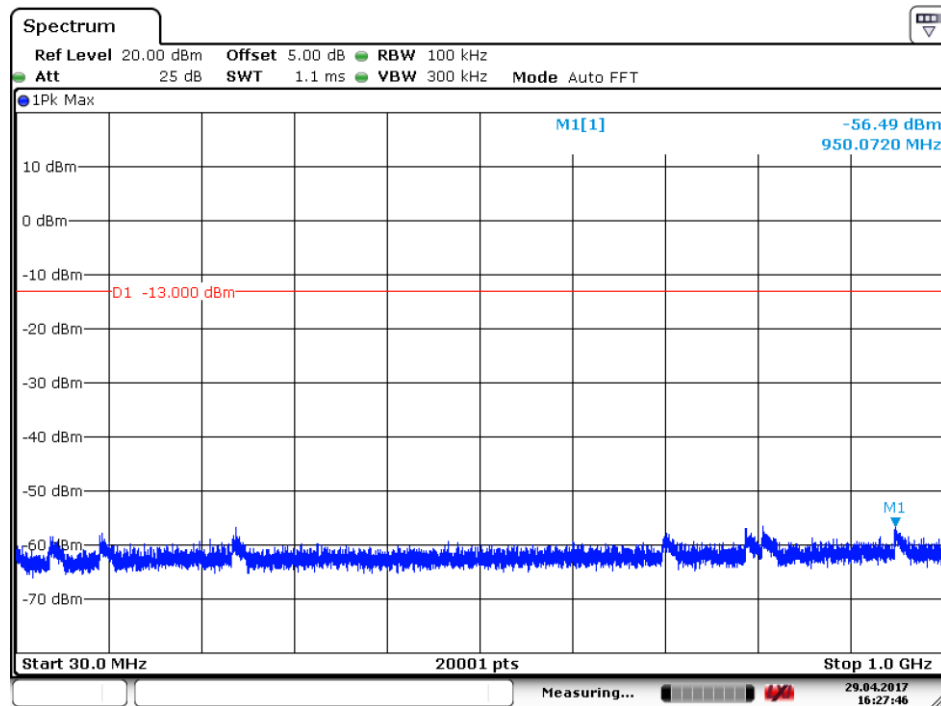
Part I - Test Plots

6.1 For LTE

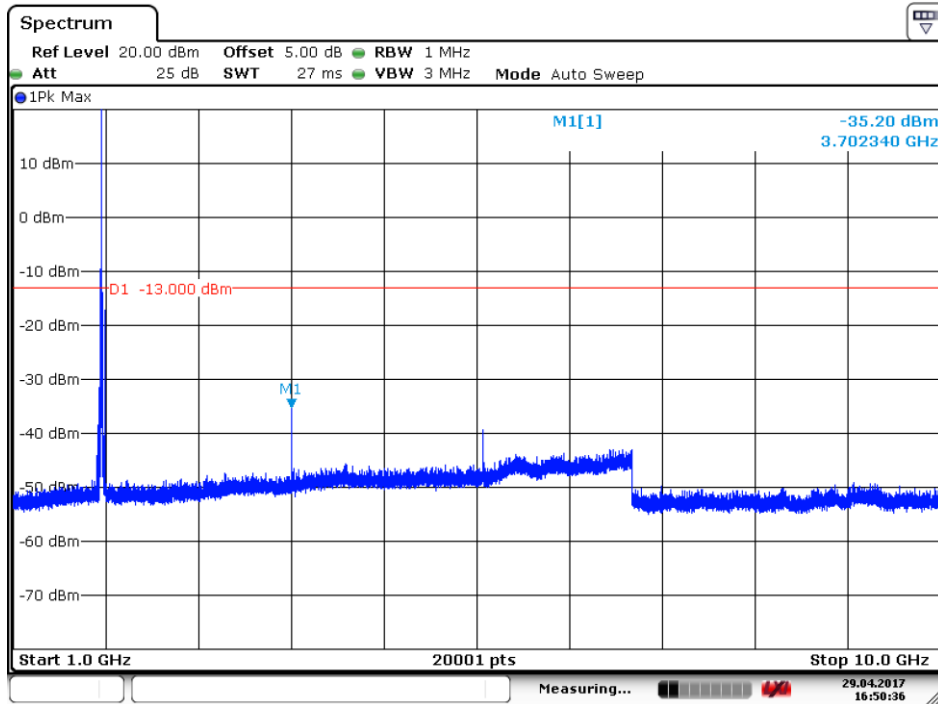
6.1.1 Test Band = LTE band2

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

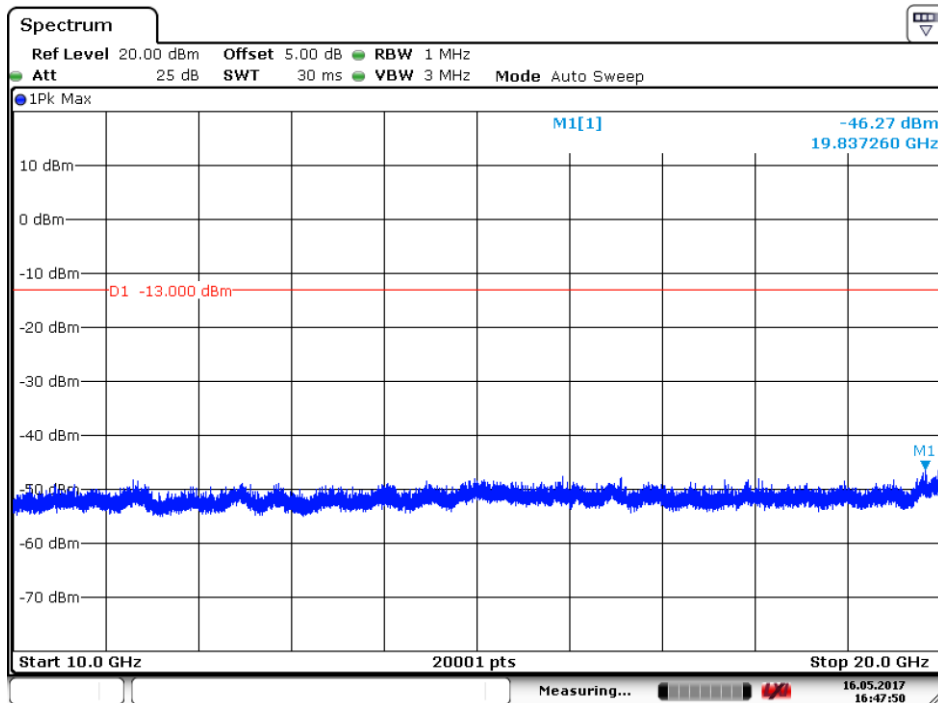
6.1.1.1.1 Test Channel = LCH



Date: 29.APR.2017 16:27:47



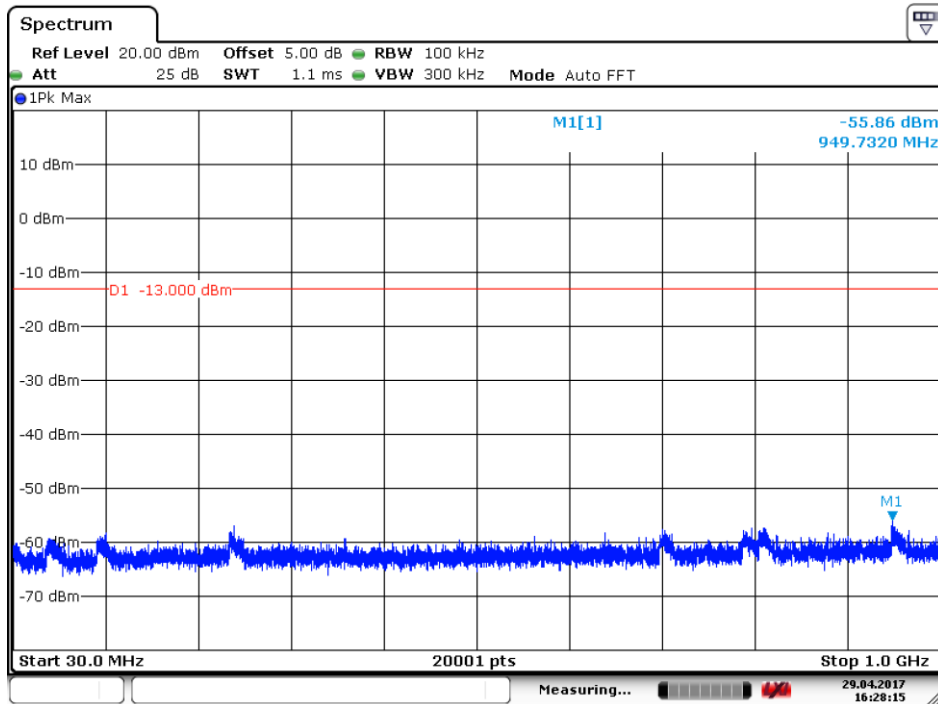
Date: 29.APR.2017 16:50:37



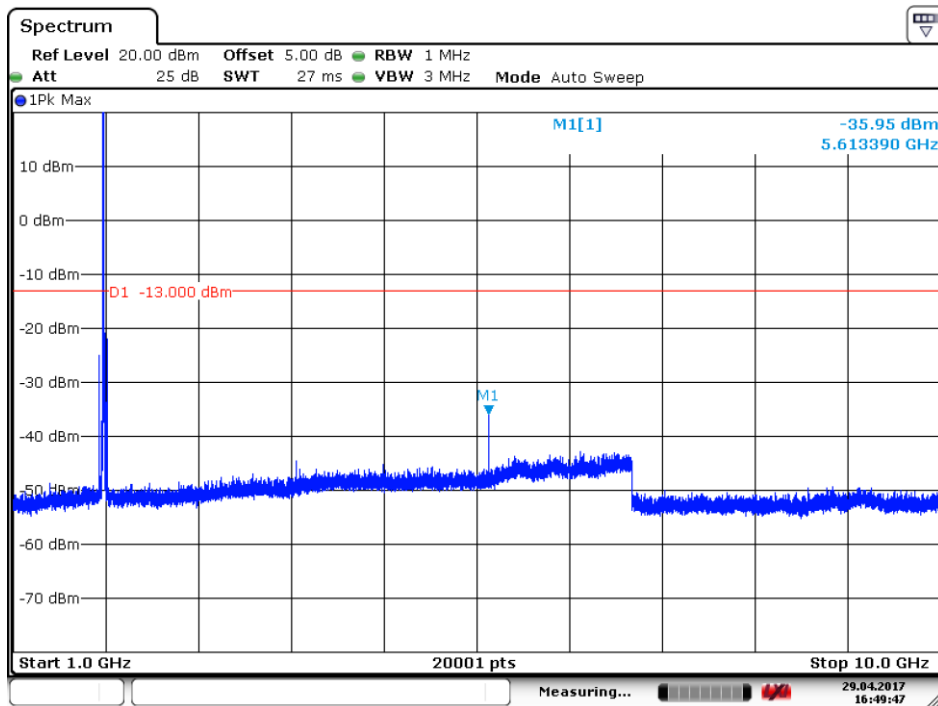
Date: 16.MAY.2017 16:47:51



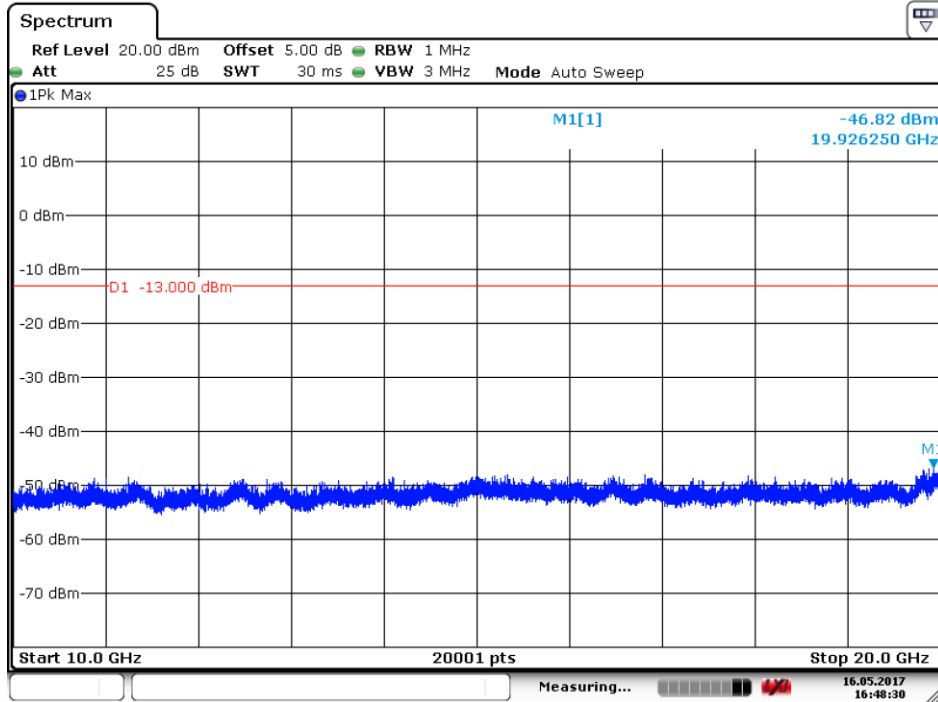
6.1.1.1.2 Test Channel = MCH



Date: 29.APR.2017 16:28:15

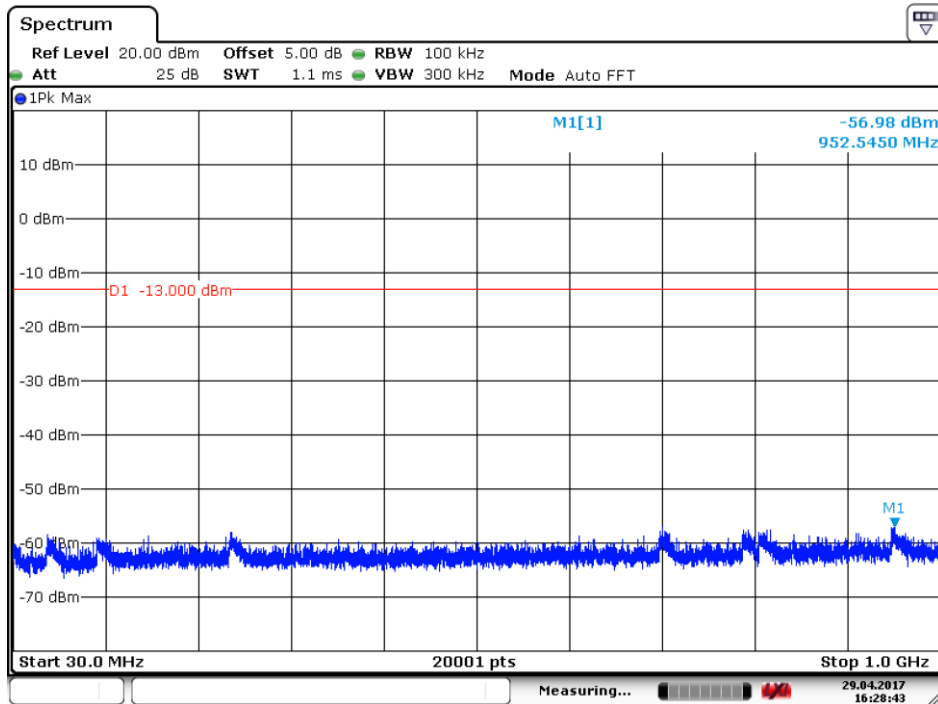


Date: 29.APR.2017 16:49:47

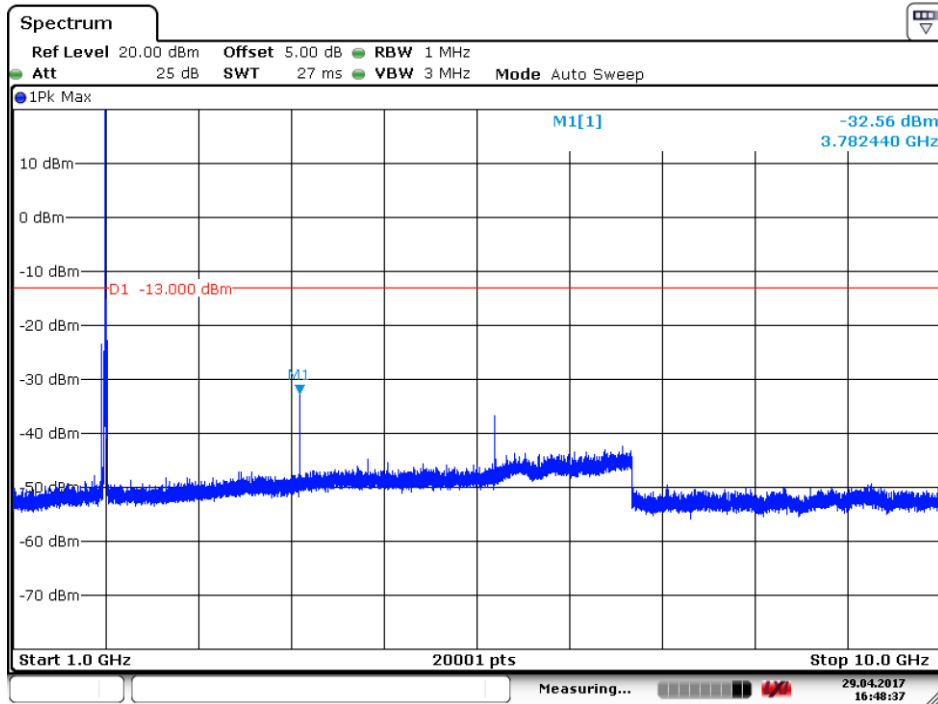


Date: 16.MAY.2017 16:48:30

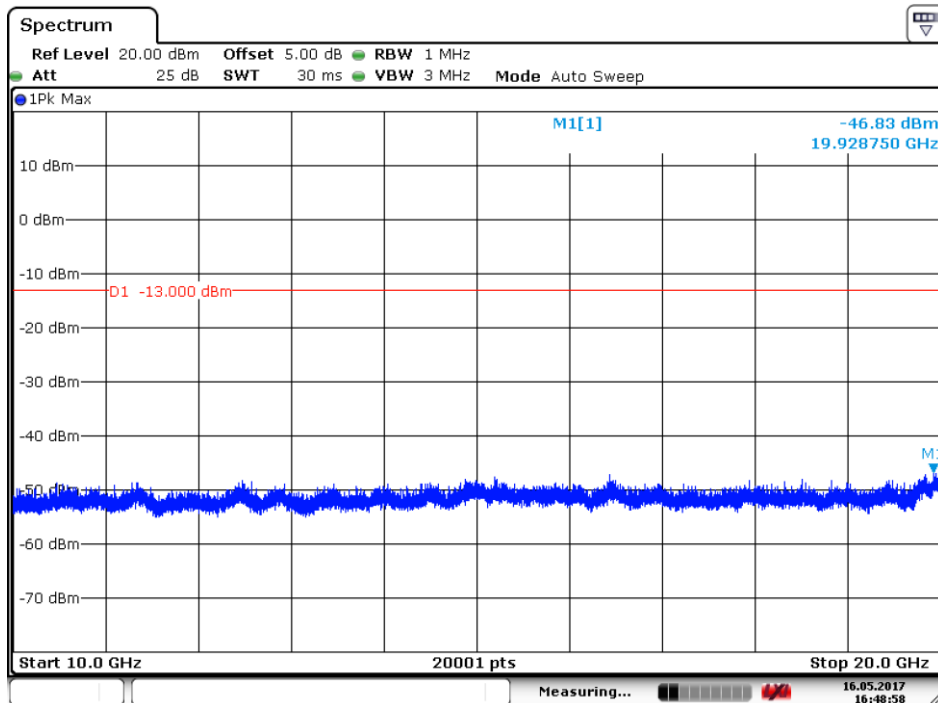
6.1.1.1.3 Test Channel = HCH



Date: 29.APR.2017 16:28:43



Date: 29.APR.2017 16:48:37



Date: 16.MAY.2017 16:48:58



7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band2

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

7.1.1.1.1 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
73.850000	-72.05	-13.00	-59.05	Vertical
164.350000	-70.50	-13.00	-57.50	Vertical
1523.000000	-63.09	-13.00	-50.09	Vertical
3741.975000	-58.33	-13.00	-45.33	Vertical
5613.325000	-61.43	-13.00	-48.43	Vertical
7484.350000	-57.88	-13.00	-44.88	Vertical
72.300000	-77.01	-13.00	-64.01	Horizontal
163.250000	-70.46	-13.00	-57.46	Horizontal
1199.500000	-67.07	-13.00	-54.07	Horizontal
3741.975000	-50.70	-13.00	-37.70	Horizontal
5613.325000	-54.79	-13.00	-41.79	Horizontal
7484.350000	-53.97	-13.00	-40.97	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
LTEband2	LTE/TM1 20MHz	LCH	TN	VL	-2.03	-0.00109	PASS
				VN	1.46	0.00078	PASS
				VH	-7.73	-0.00416	PASS
		MCH	TN	VL	1.49	0.00079	PASS
				VN	-2.84	-0.00151	PASS
				VH	2.60	0.00138	PASS
		HCH	TN	VL	-6.56	-0.00345	PASS
				VN	-5.17	-0.00272	PASS
				VH	-4.79	-0.00252	PASS
	LTE/TM2 20MHz	LCH	TN	VL	-4.28	-0.00230	PASS
				VN	-2.95	-0.00159	PASS
				VH	-5.16	-0.00277	PASS
		MCH	TN	VL	1.56	0.00083	PASS
				VN	-2.80	-0.00149	PASS
				VH	2.59	0.00138	PASS
		HCH	TN	VL	-3.08	-0.00162	PASS
				VN	-8.00	-0.00421	PASS
				VH	5.44	0.00286	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
LTEband2	LTE/TM1 20MHz	LCH	VN	-30	-3.55	-0.00191	PASS
				-20	-1.34	-0.00072	PASS
				-10	2.38	0.00128	PASS
				0	1.75	0.00094	PASS
				10	1.65	0.00089	PASS
				20	3.11	0.00167	PASS
				30	-6.31	-0.00339	PASS
				40	-0.14	-0.00008	PASS
				50	2.59	0.00139	PASS
		MCH	VN	-30	-7.80	-0.00415	PASS
				-20	-5.95	-0.00316	PASS
				-10	-7.49	-0.00398	PASS
				0	-5.62	-0.00299	PASS
				10	-4.04	-0.00215	PASS
				20	-9.94	-0.00529	PASS
				30	-5.23	-0.00278	PASS
				40	-4.62	-0.00246	PASS
				50	-6.92	-0.00368	PASS
		HCH	VN	-30	7.54	0.00397	PASS
				-20	-1.49	-0.00078	PASS
				-10	1.53	0.00081	PASS
				0	-2.83	-0.00149	PASS
				10	2.60	0.00137	PASS
				20	-4.57	-0.00241	PASS
30	-2.66			-0.00140	PASS		
40	-5.43			-0.00286	PASS		
50	-3.90			-0.00205	PASS		



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTEband2	LTE/TM2 20MHz	LCH	VN	-30	-5.50	-0.00296	PASS
				-20	-2.45	-0.00132	PASS
				-10	3.38	0.00182	PASS
				0	1.64	0.00088	PASS
				10	1.90	0.00102	PASS
				20	-2.23	-0.00120	PASS
				30	-0.44	-0.00024	PASS
				40	5.34	0.00287	PASS
		MCH	VN	-30	-3.80	-0.00202	PASS
				-20	-5.38	-0.00286	PASS
				-10	-7.29	-0.00388	PASS
				0	-4.32	-0.00230	PASS
				10	-2.34	-0.00124	PASS
				20	1.74	0.00093	PASS
				30	-5.64	-0.00300	PASS
				40	-2.62	-0.00139	PASS
		HCH	VN	-30	1.34	0.00071	PASS
				-20	-2.55	-0.00134	PASS
				-10	1.59	0.00084	PASS
				0	-5.73	-0.00302	PASS
				10	1.88	0.00099	PASS
				20	-3.47	-0.00183	PASS
				30	-2.59	-0.00136	PASS
				40	-4.33	-0.00228	PASS
			50	-6.60	-0.00347	PASS	

The End