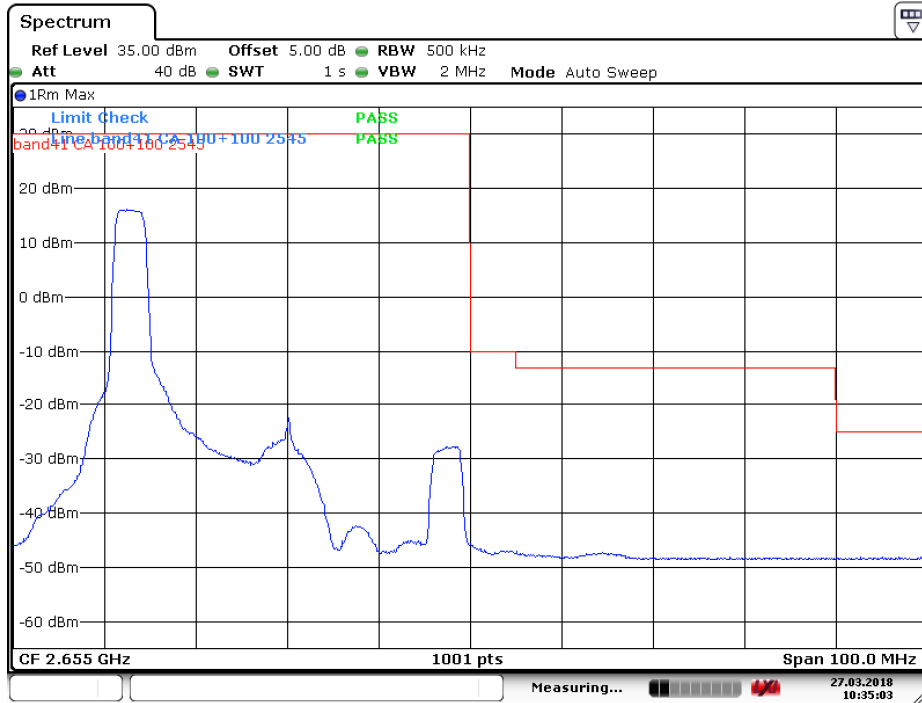


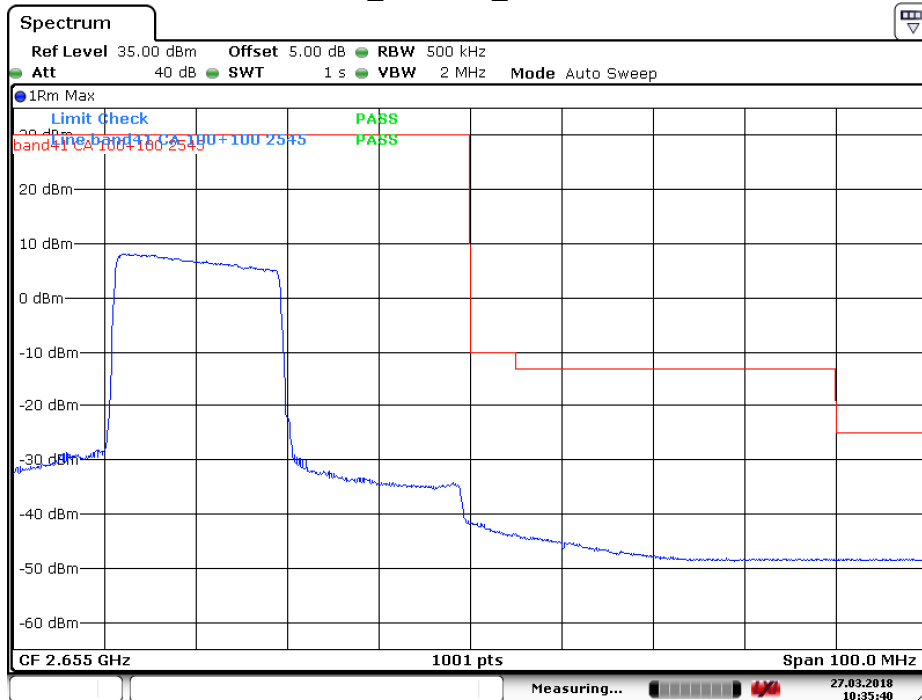


5.1.1.4.2.4 Test RB=P_18@0 S_0@0



Date: 27.MAR.2018 10:35:04

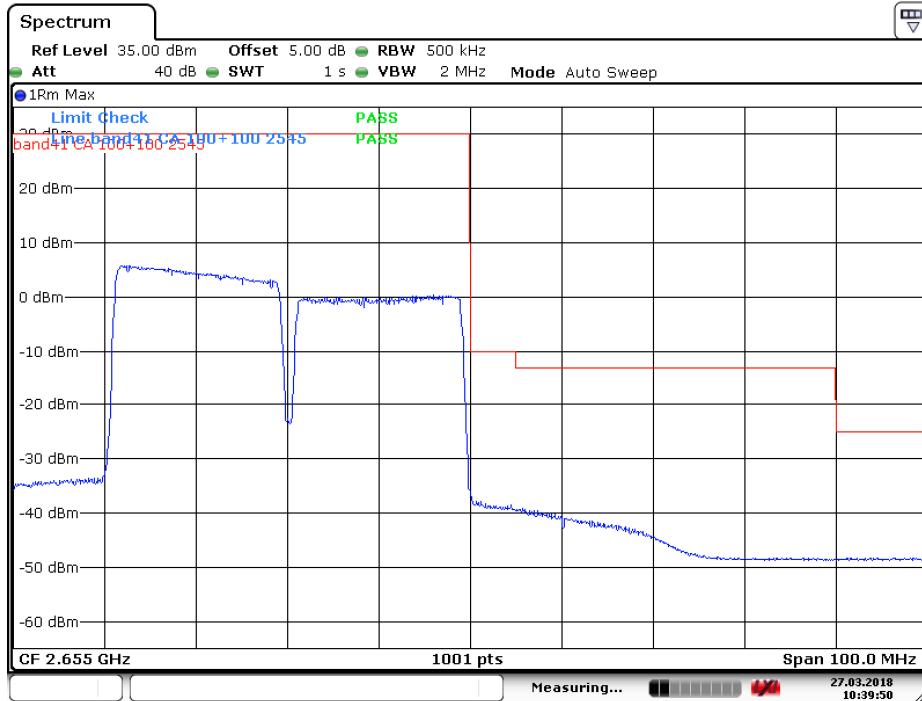
5.1.1.4.2.5 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:35:41



5.1.1.4.2.6 Test RB=P_100@0 S_100@0

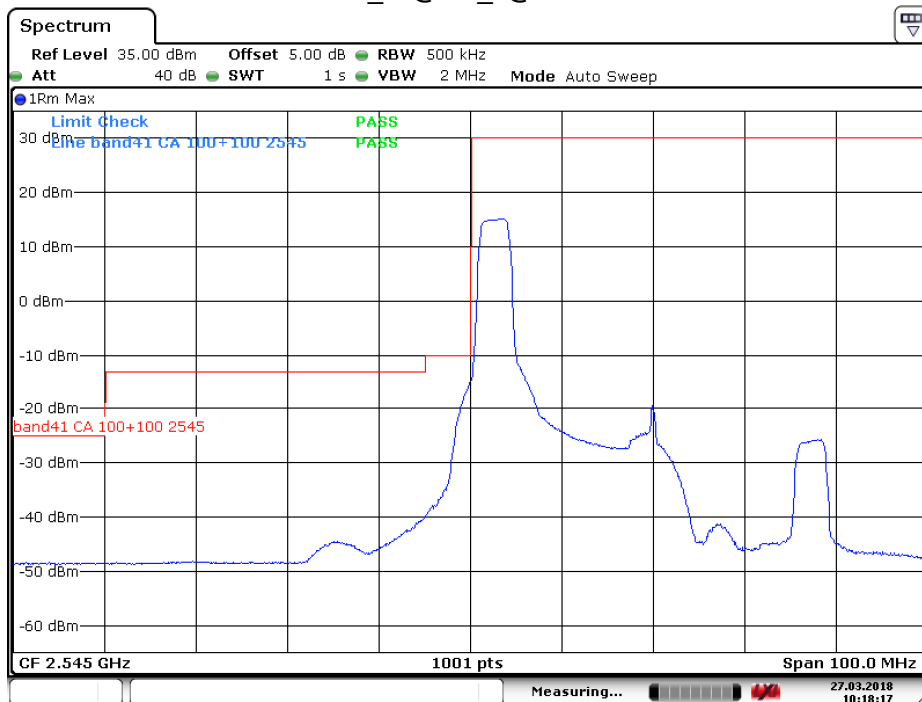


Date: 27.MAR.2018 10:39:51

5.1.1.5 Test Mode = LTE/TM2 100RB+100RB

5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=P_18@0 S_0@0

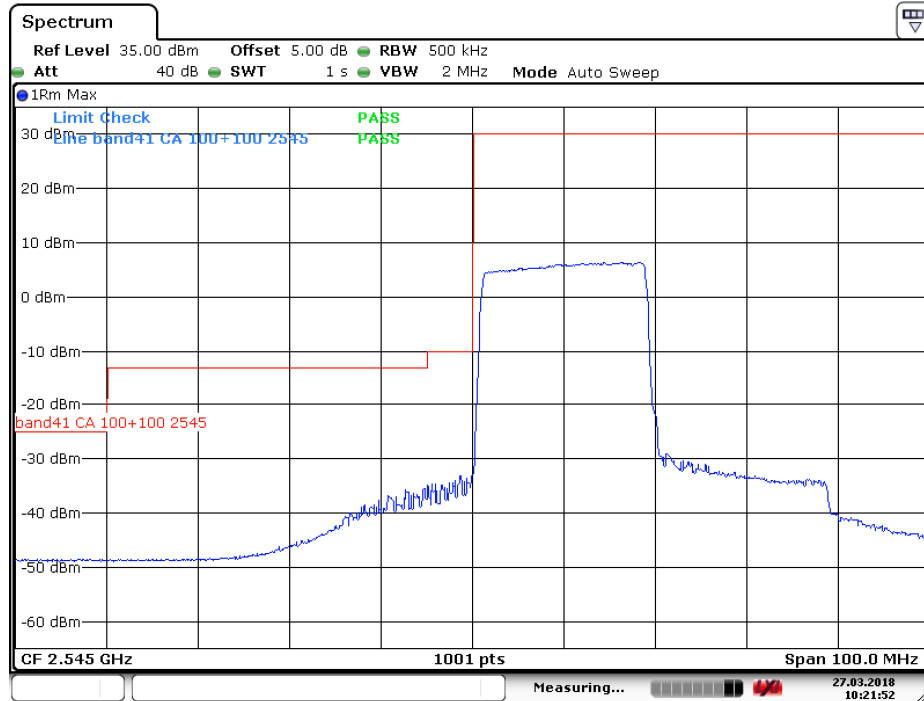


Date: 27.MAR.2018 10:18:18

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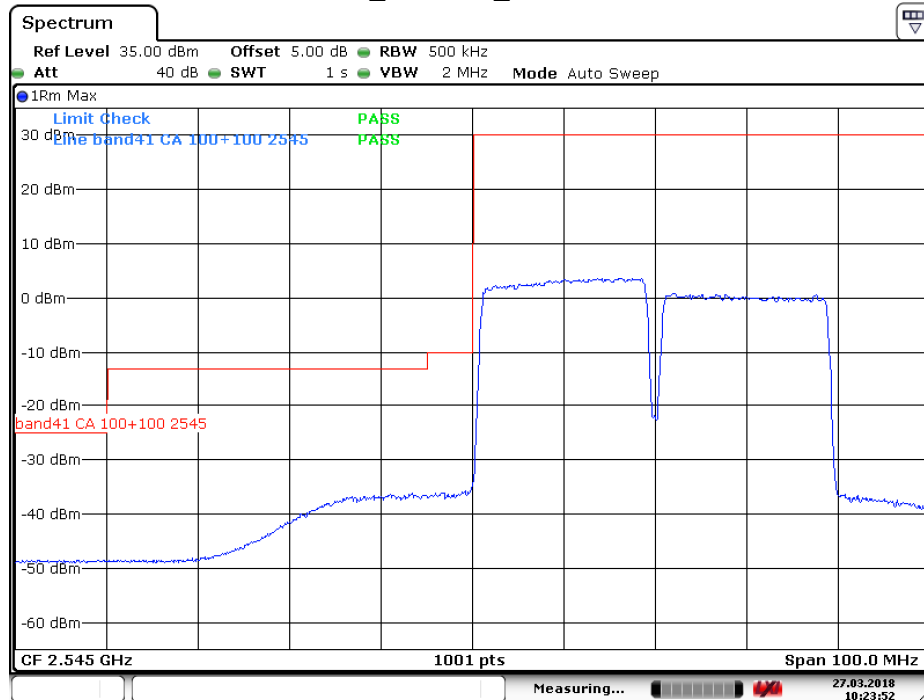


5.1.1.5.1.2 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:21:52

5.1.1.5.1.3 Test RB=P_100@0 S_100@0

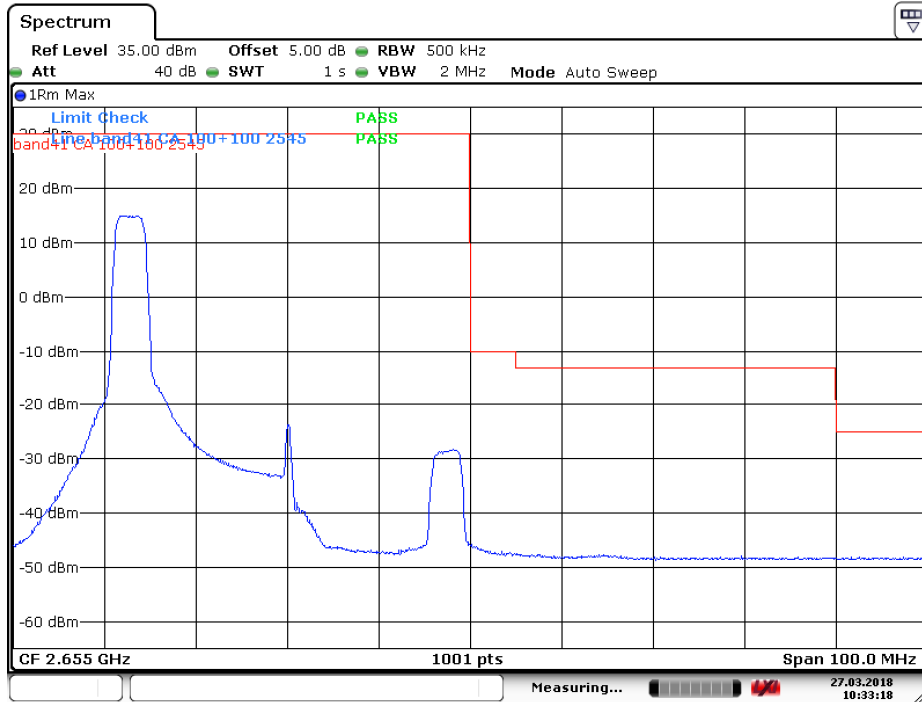


Date: 27.MAR.2018 10:23:52

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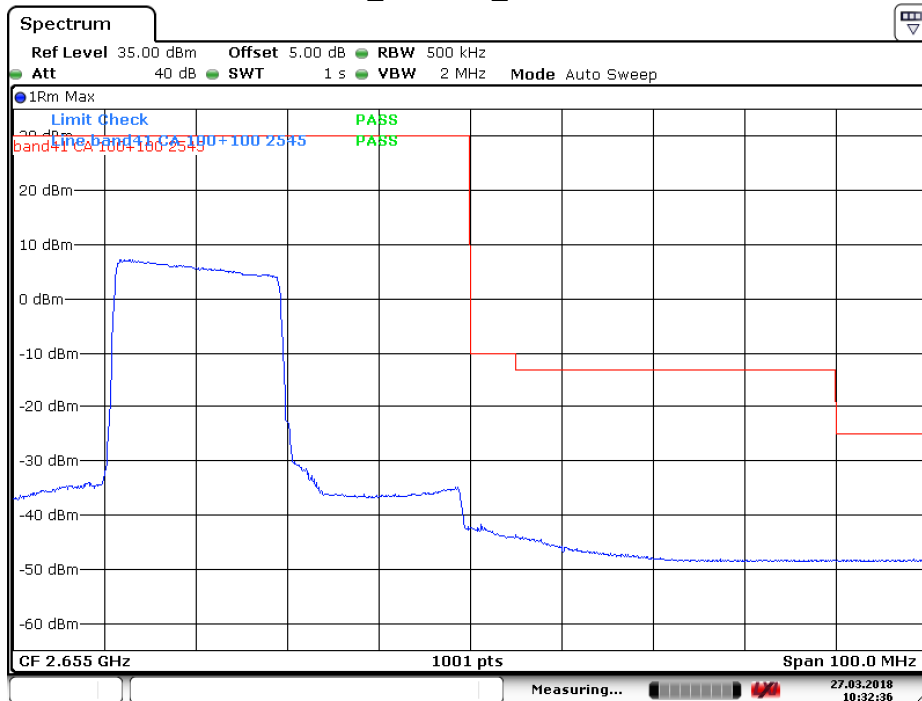
5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=P_18@0 S_0@0



Date: 27.MAR.2018 10:33:19

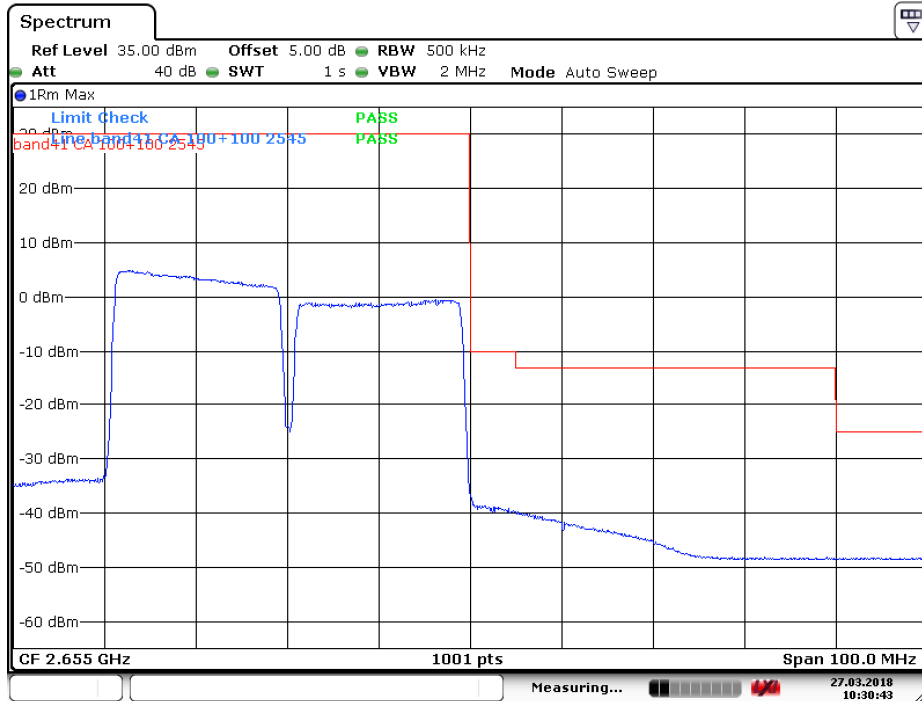
5.1.1.5.2.2 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:32:36



5.1.1.5.2.3 Test RB=P_100@0 S_100@0

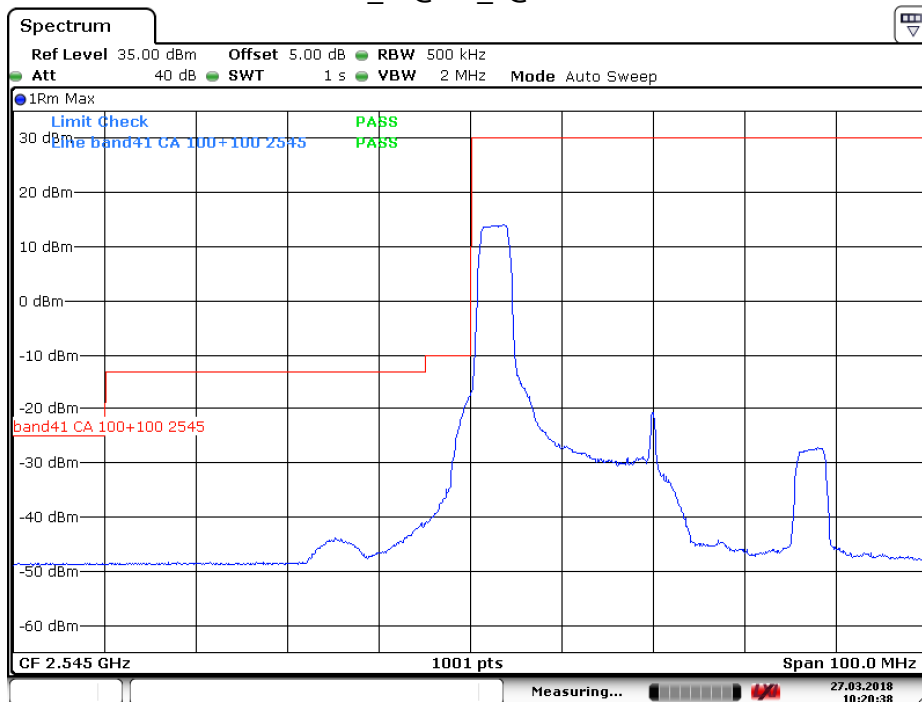


Date: 27.MAR.2018 10:30:44

5.1.1.6 Test Mode = LTE/TM3 100RB+100RB

5.1.1.6.1 Test Channel = LCH

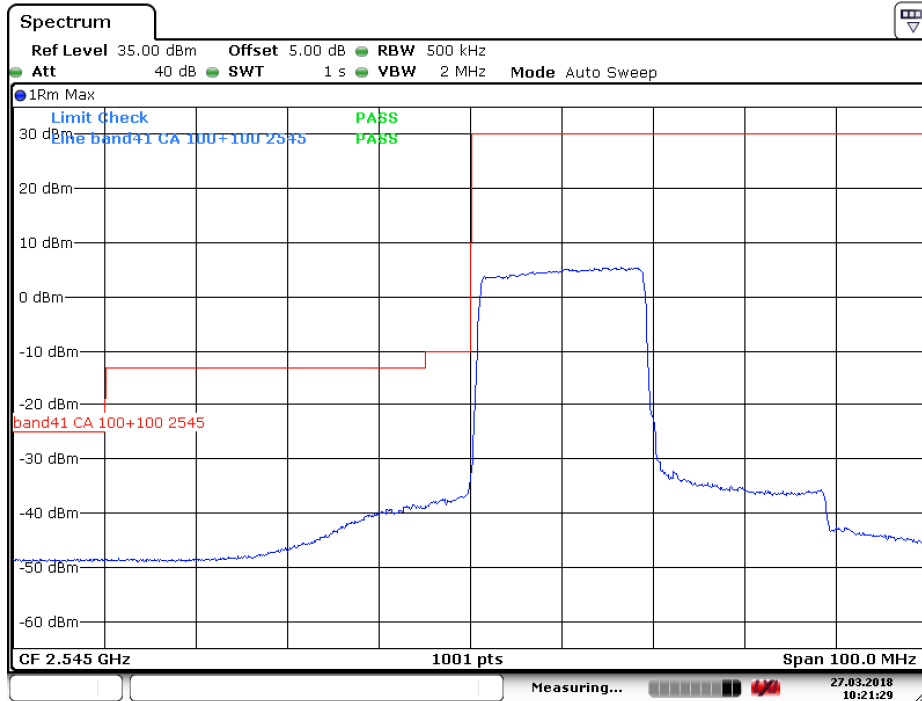
5.1.1.6.1.1 Test RB=P_18@0 S_0@0



Date: 27.MAR.2018 10:20:38

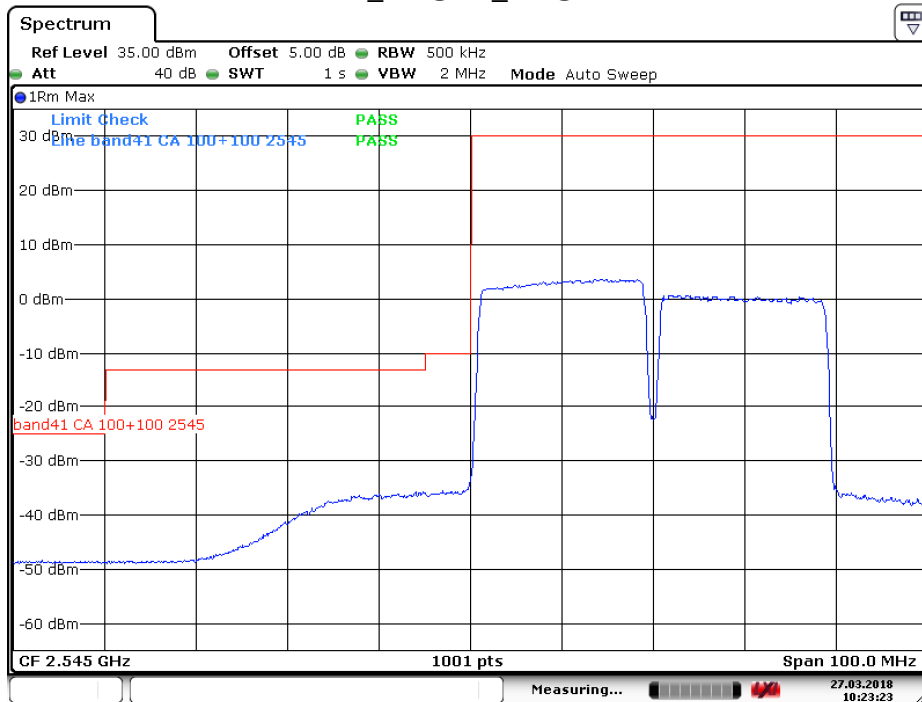


5.1.1.6.1.2 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:21:29

5.1.1.6.1.3 Test RB=P_100@0 S_100@0



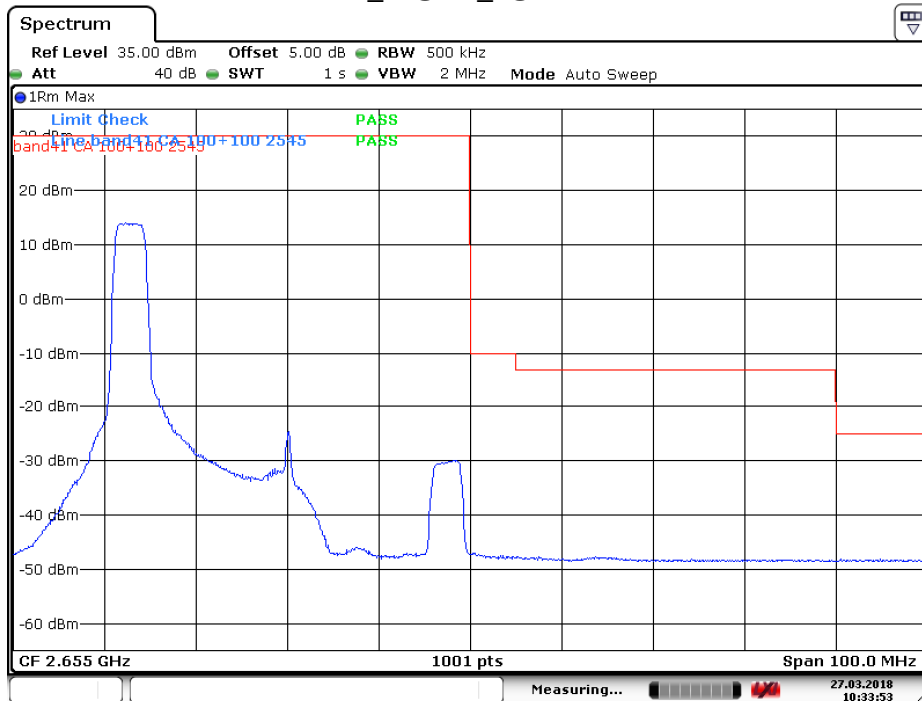
Date: 27.MAR.2018 10:23:23

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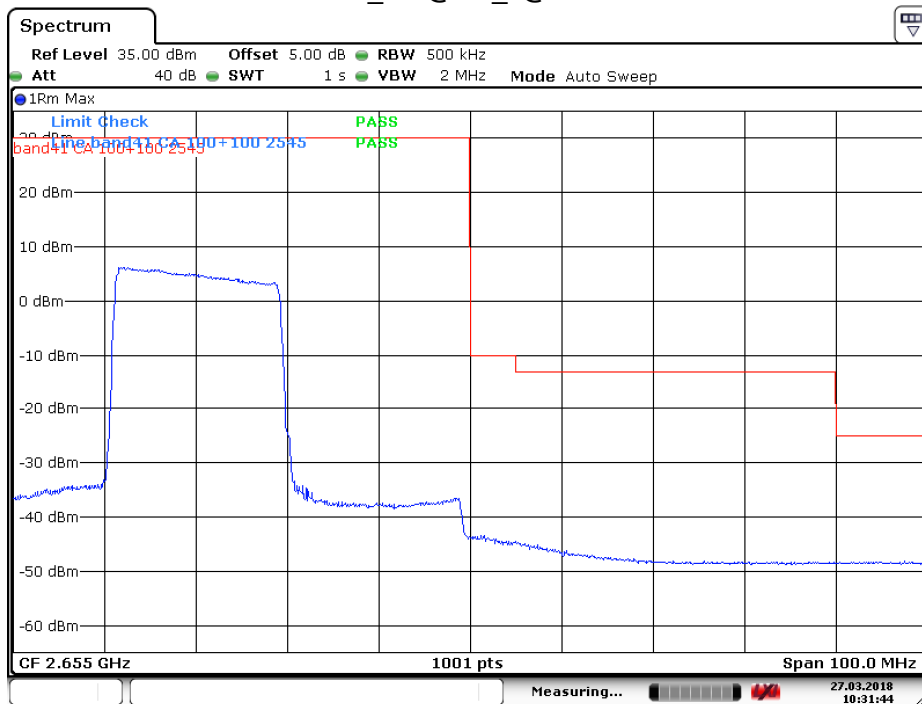
5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=P_18@0 S_0@0



Date: 27.MAR.2018 10:33:54

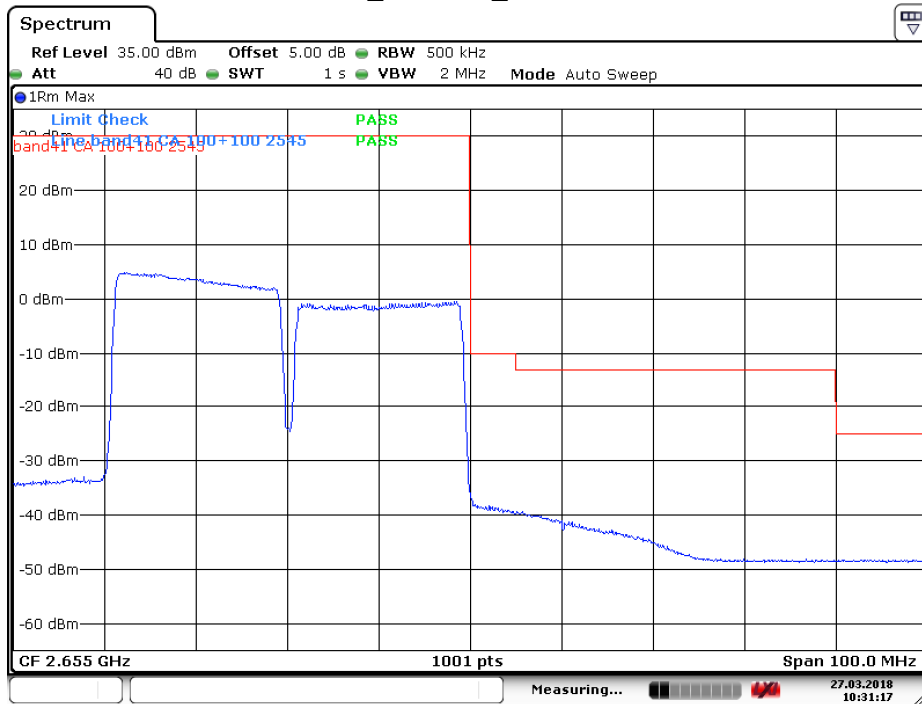
5.1.1.6.2.2 Test RB=P_100@0 S_0@0



Date: 27.MAR.2018 10:31:45



5.1.1.6.2.3 Test RB=P_100@0 S_100@0



Date: 27.MAR.2018 10:31:18



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.

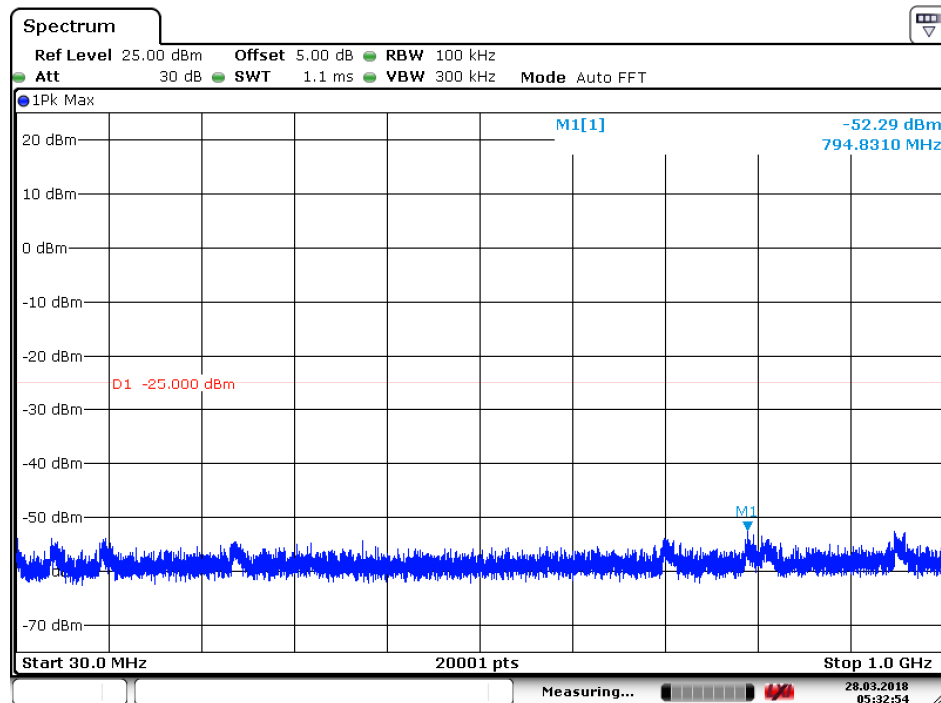
Part I - Test Plots

6.1 For LTE

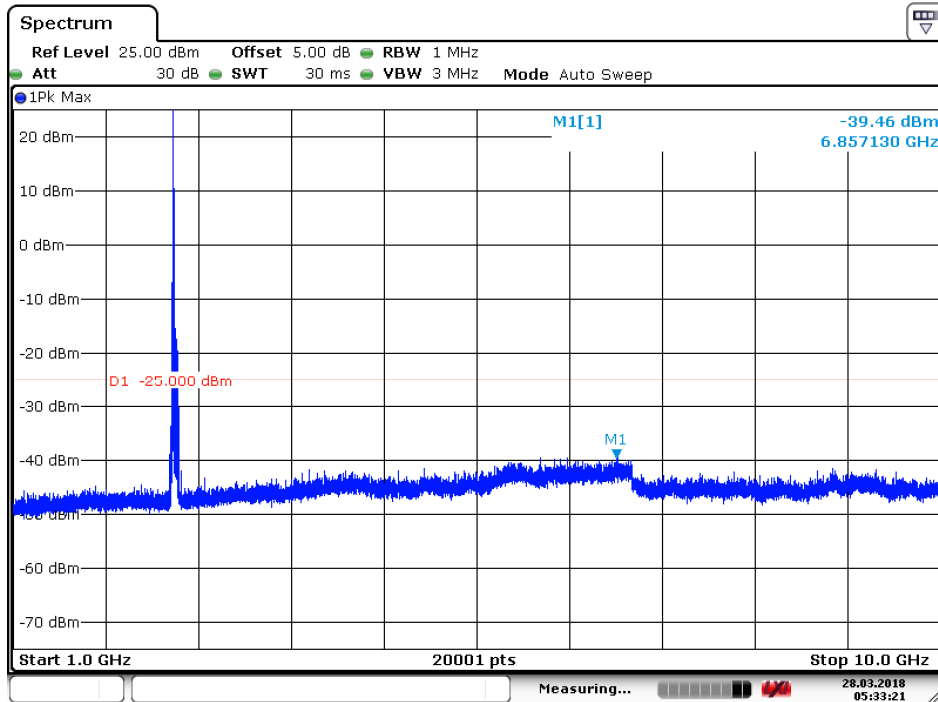
6.1.1 Test Band = LTE Band CA_38C

6.1.1.1 Test Mode = LTE / TM1 75RB+75RB P_1RB@0/S_0RB@0

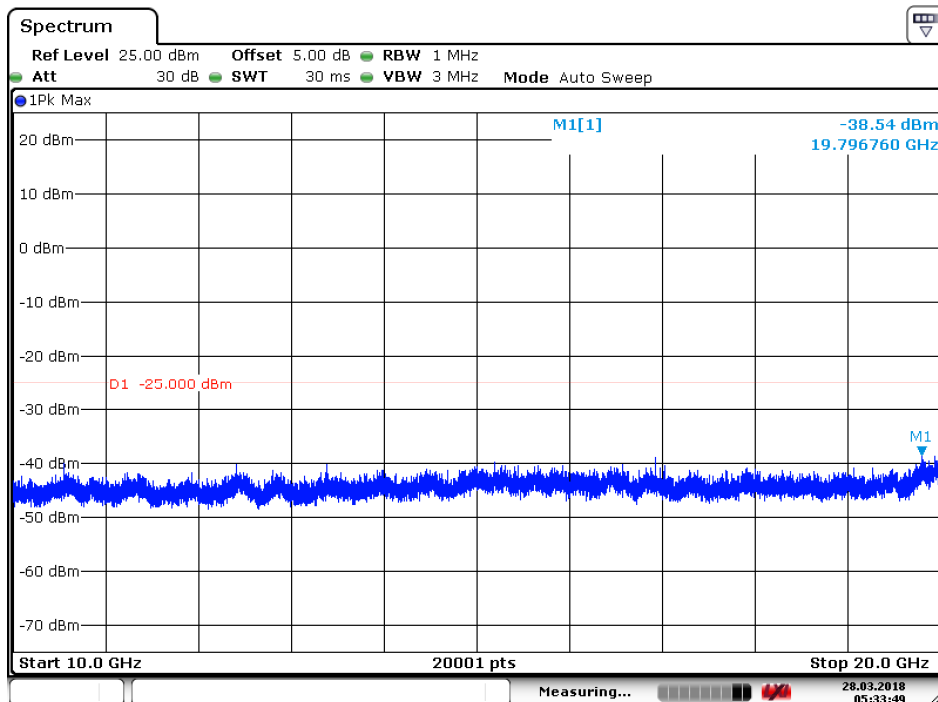
6.1.1.1.1 Test Channel = LCH



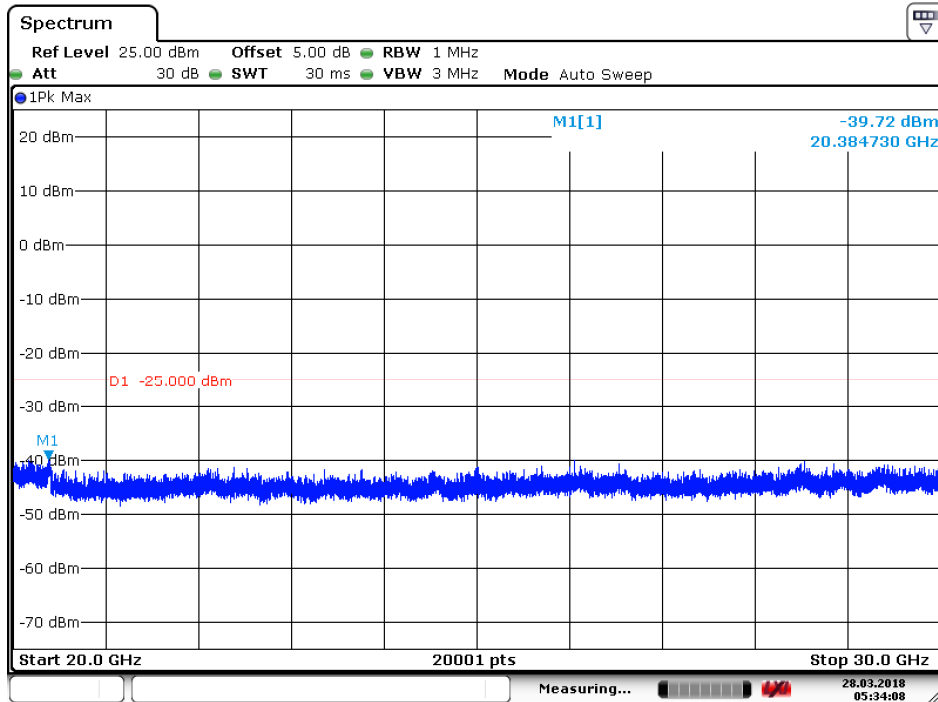
Date: 28.MAR.2018 05:32:54



Date: 28.MAR.2018 05:33:22

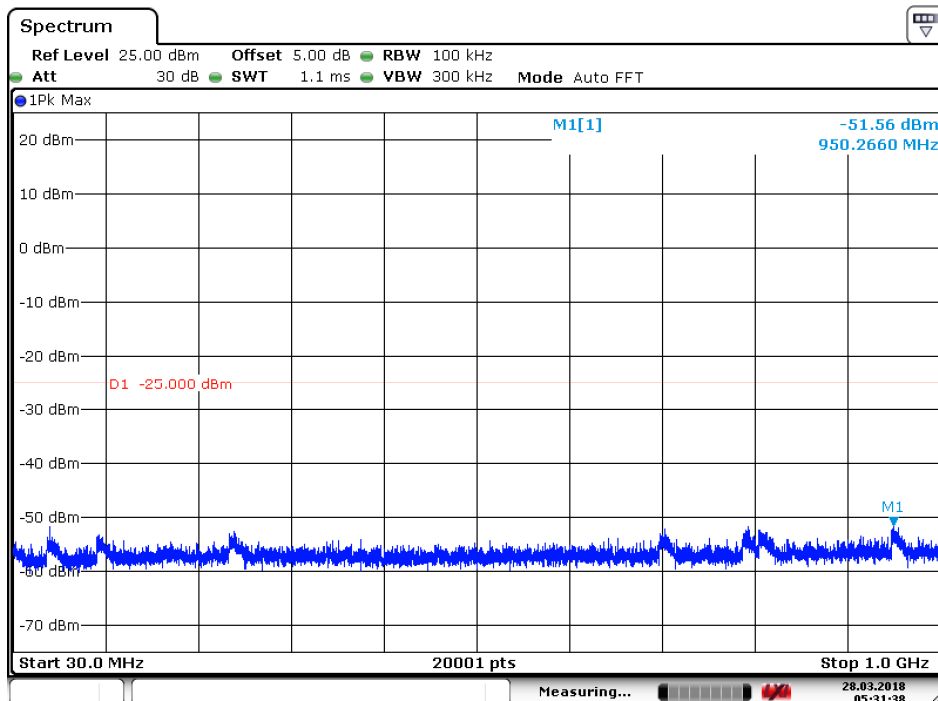


Date: 28.MAR.2018 05:33:49

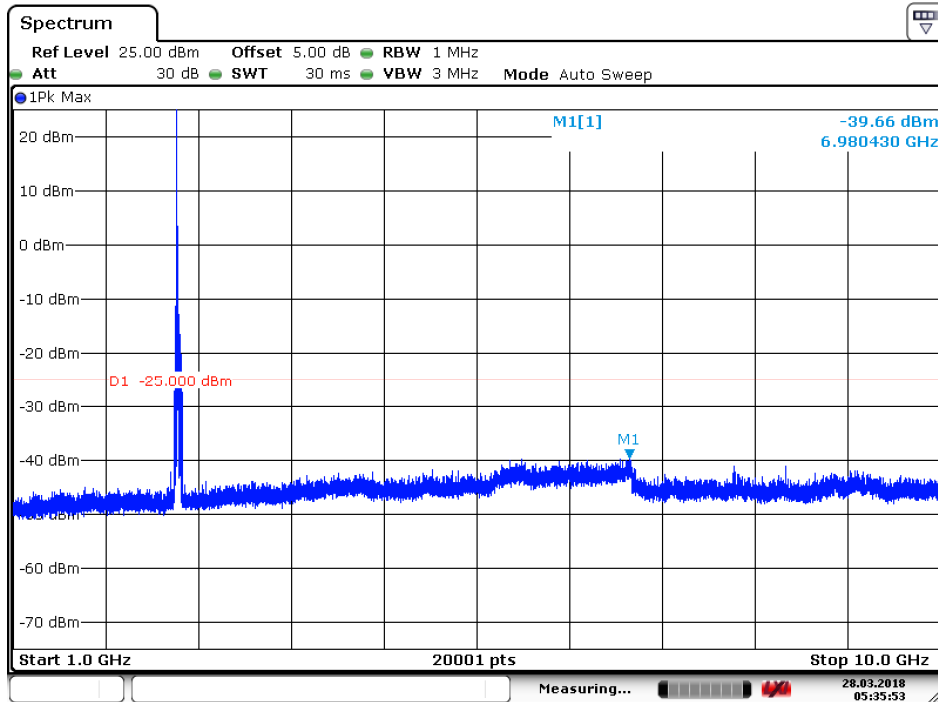


Date: 28.MAR.2018 05:34:08

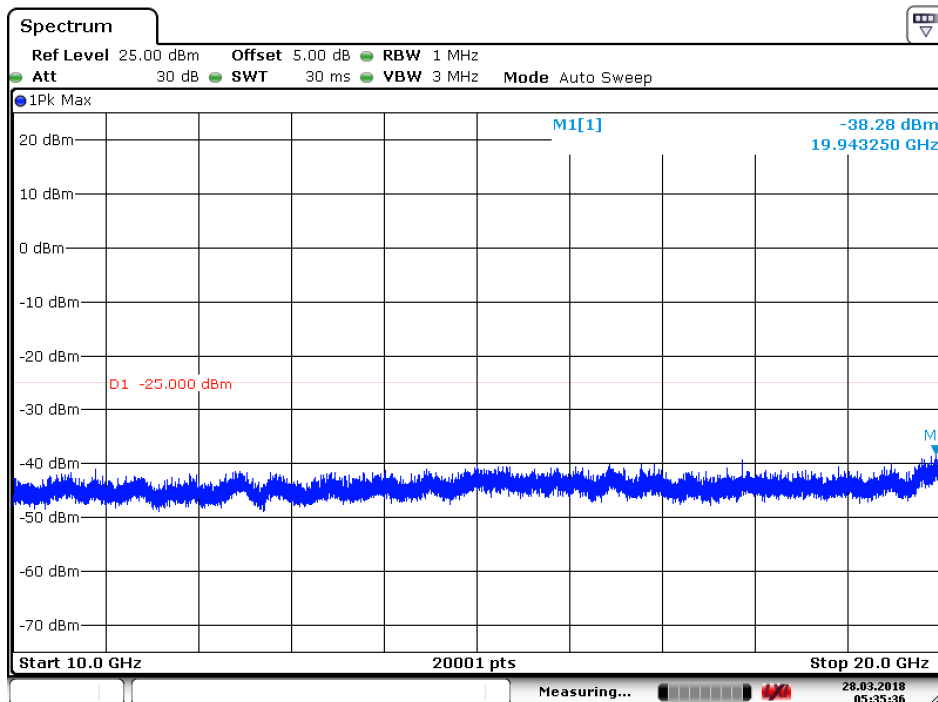
6.1.1.1.2 Test Channel = MCH



Date: 28.MAR.2018 05:31:38

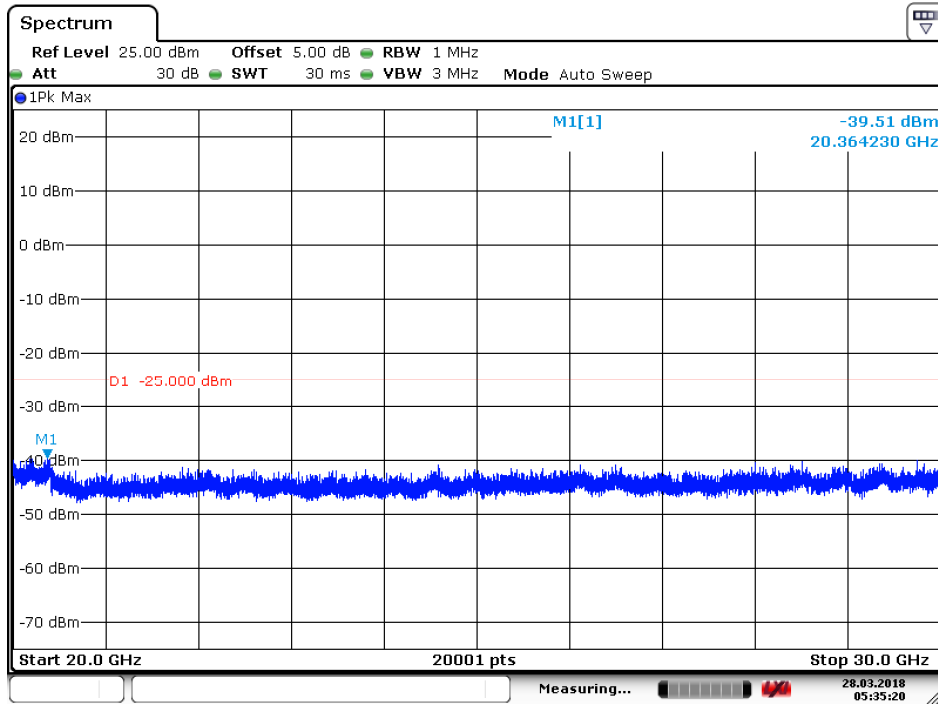


Date: 28.MAR.2018 05:35:54



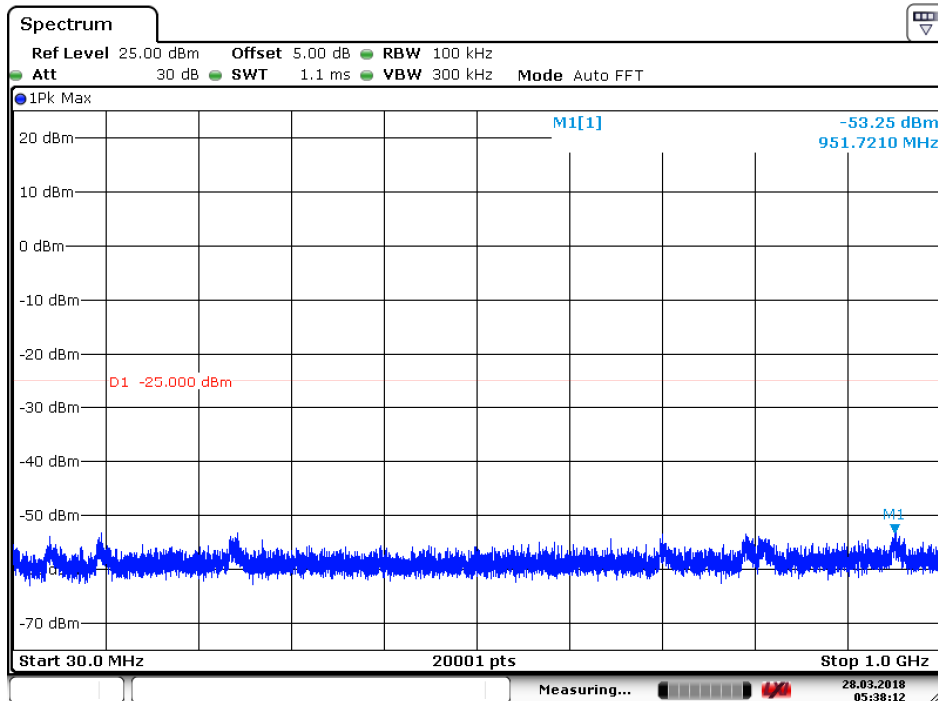
Date: 28.MAR.2018 05:35:36

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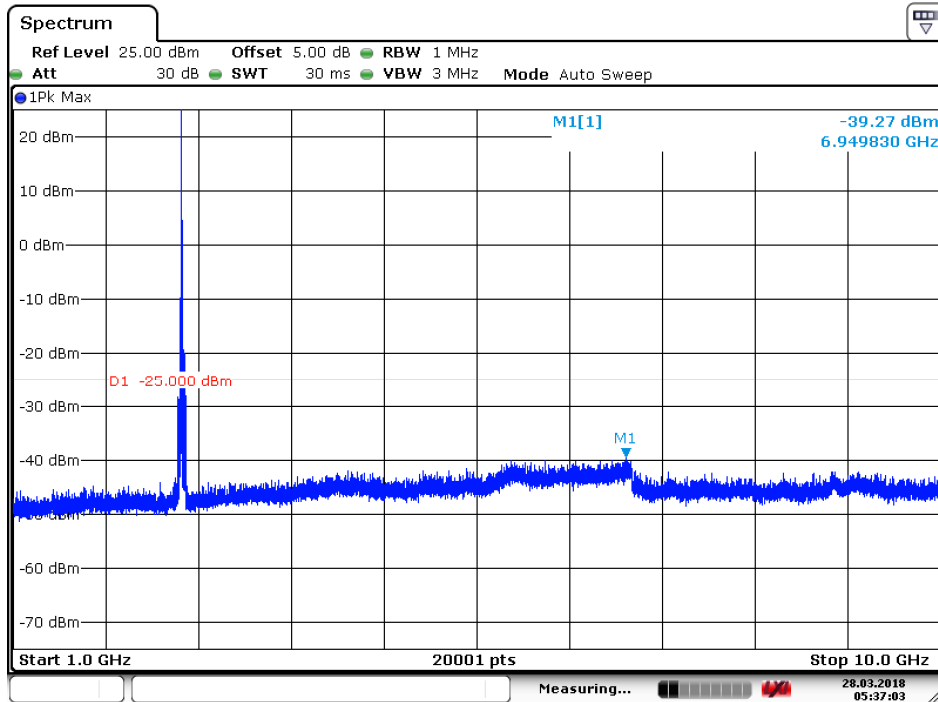


Date: 28.MAR.2018 05:35:20

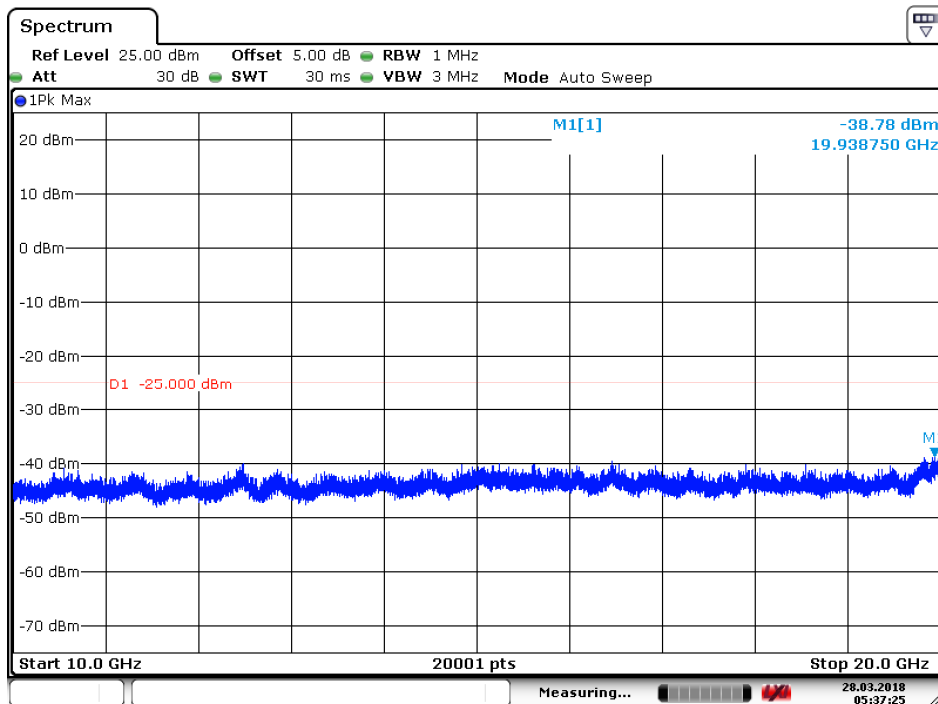
6.1.1.1.3 Test Channel = HCH



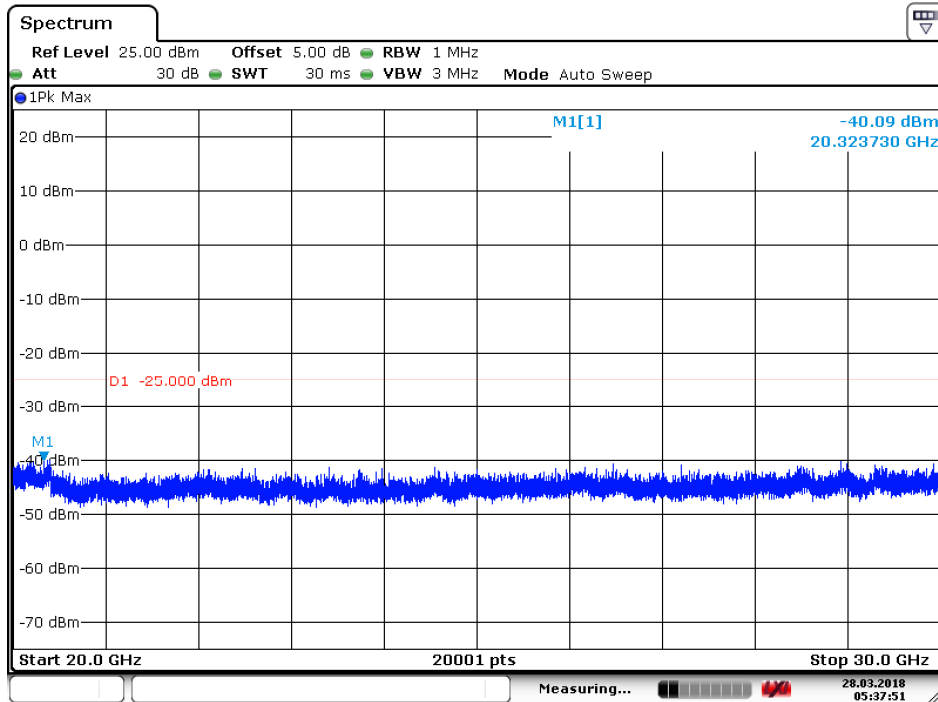
Date: 28.MAR.2018 05:38:13



Date: 28.MAR.2018 05:37:04

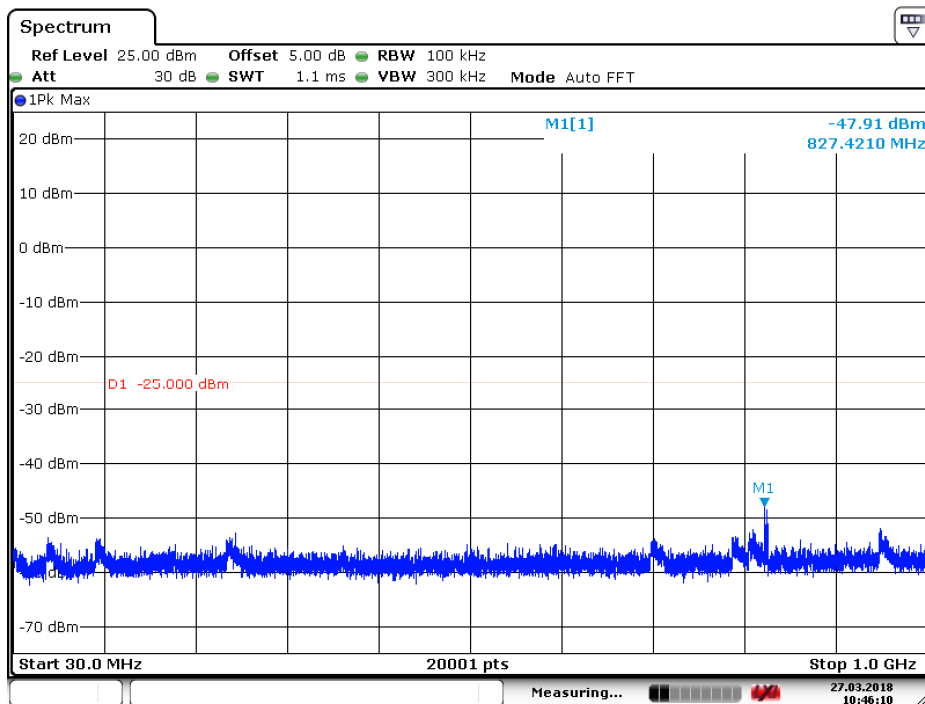


Date: 28.MAR.2018 05:37:25

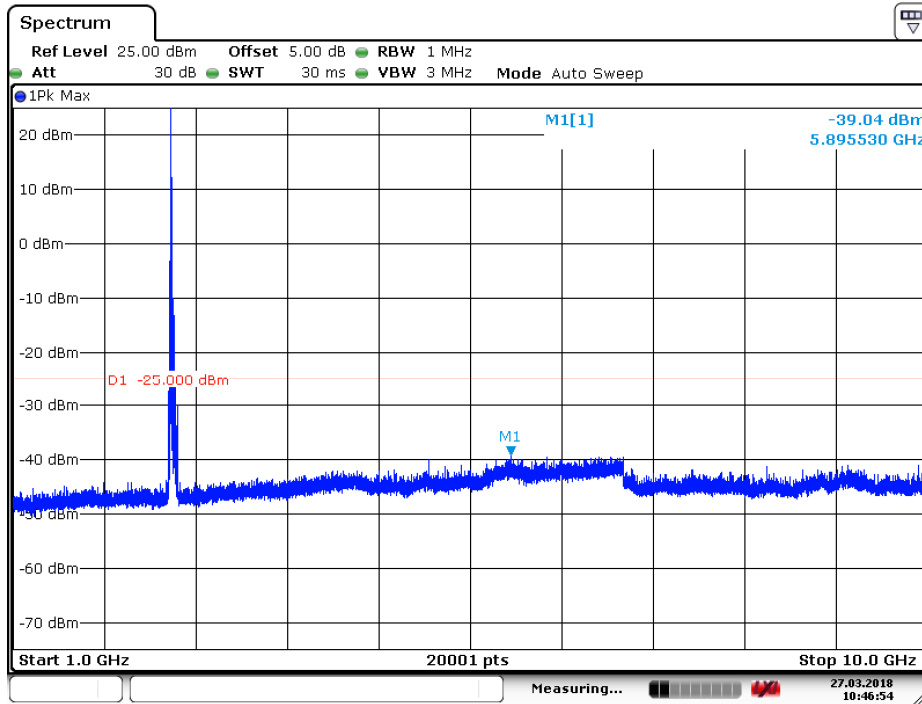


Date: 28.MAR.2018 05:37:51

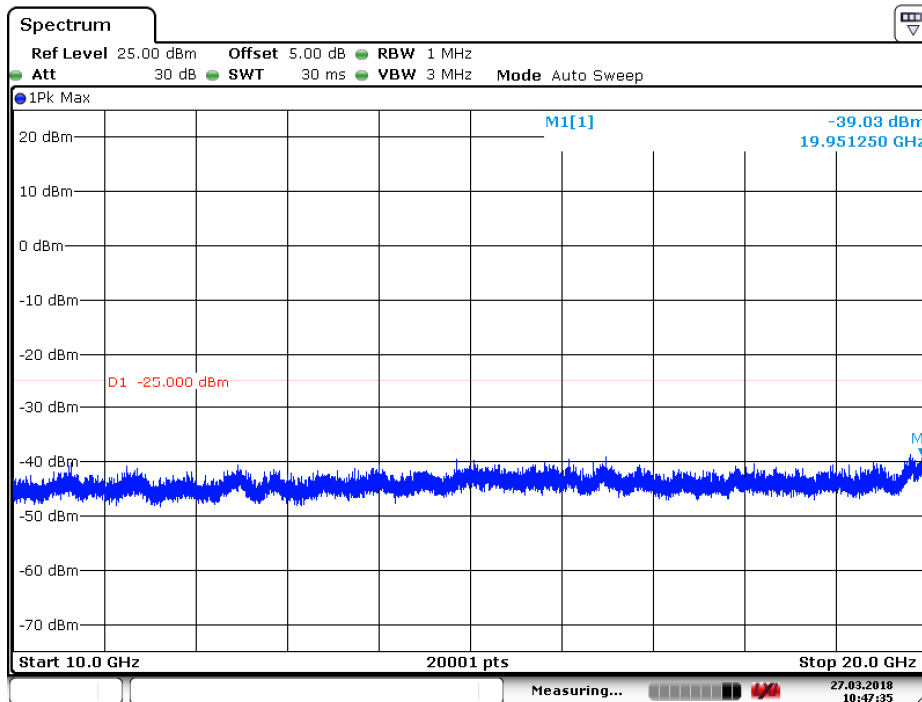
6.1.1.2 Test Mode = LTE / TM1 100RB+100RB P_1RB@0/S_0RB@0 6.1.1.2.1 Test Channel = LCH



Date: 27.MAR.2018 10:46:11

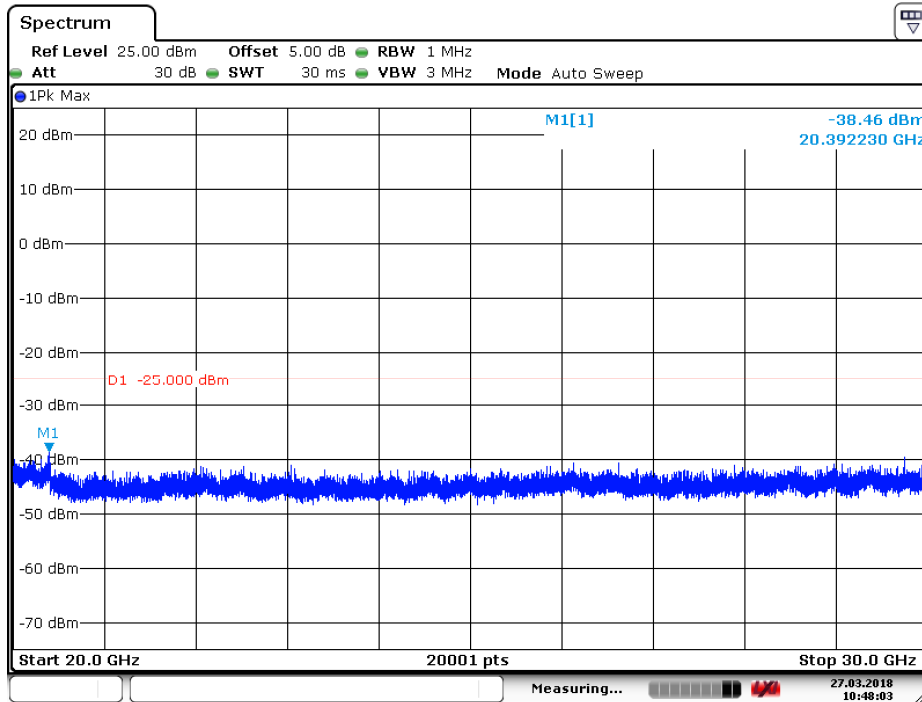


Date: 27.MAR.2018 10:46:54



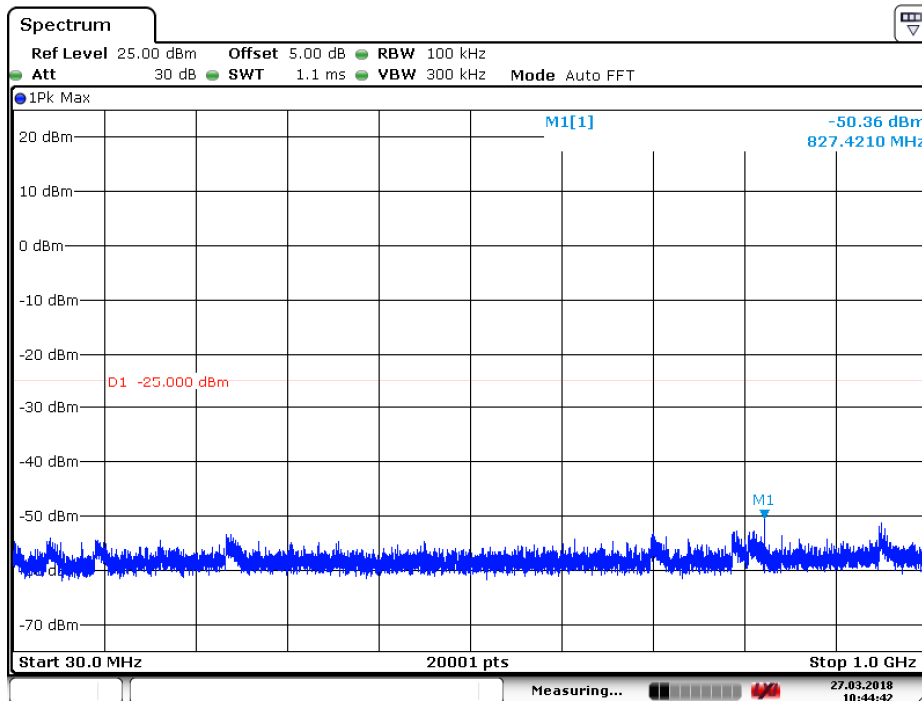
Date: 27.MAR.2018 10:47:35

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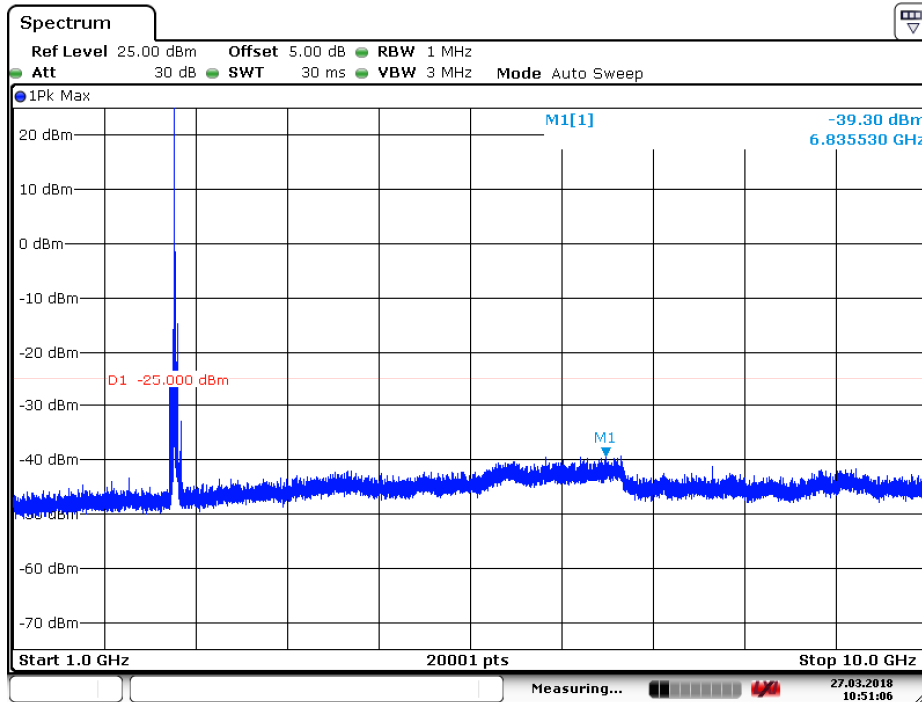


Date: 27.MAR.2018 10:48:03

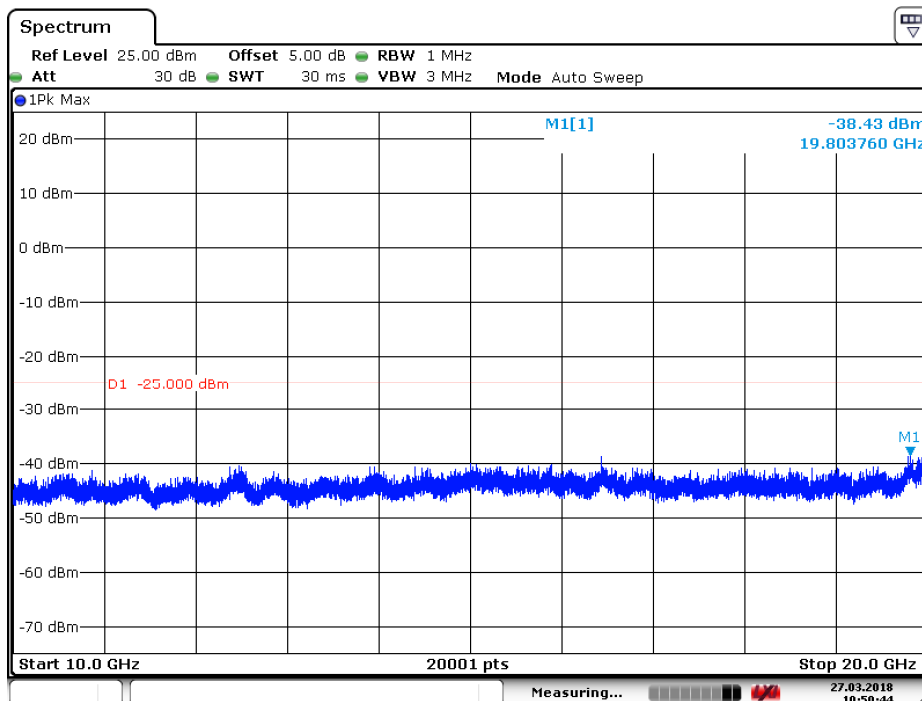
6.1.1.2.2 Test Channel = MCH



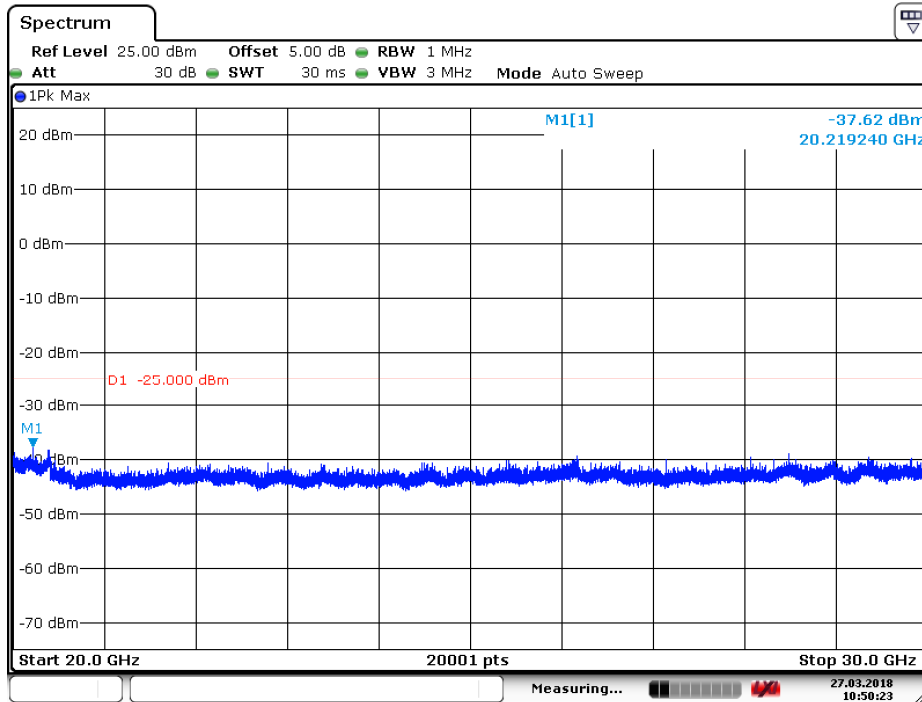
Date: 27.MAR.2018 10:44:42



Date: 27.MAR.2018 10:51:06

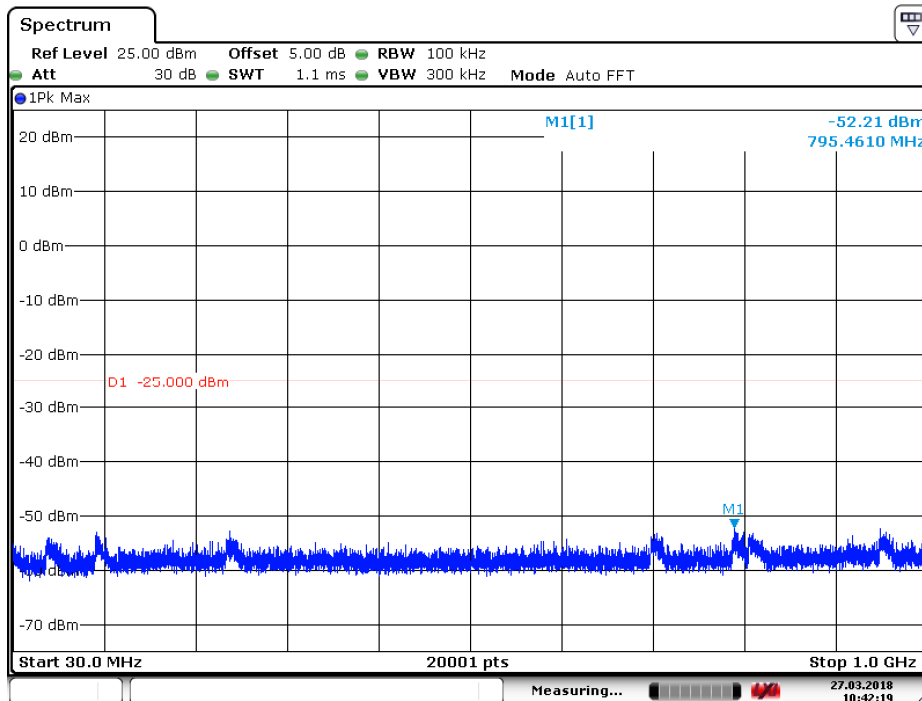


Date: 27.MAR.2018 10:50:44

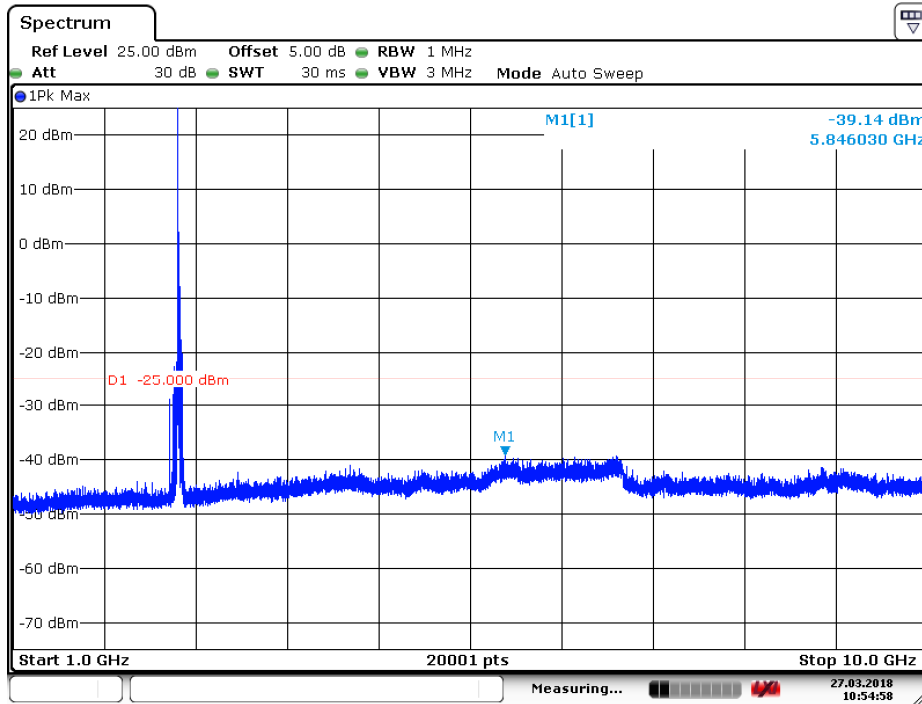


Date: 27.MAR.2018 10:50:23

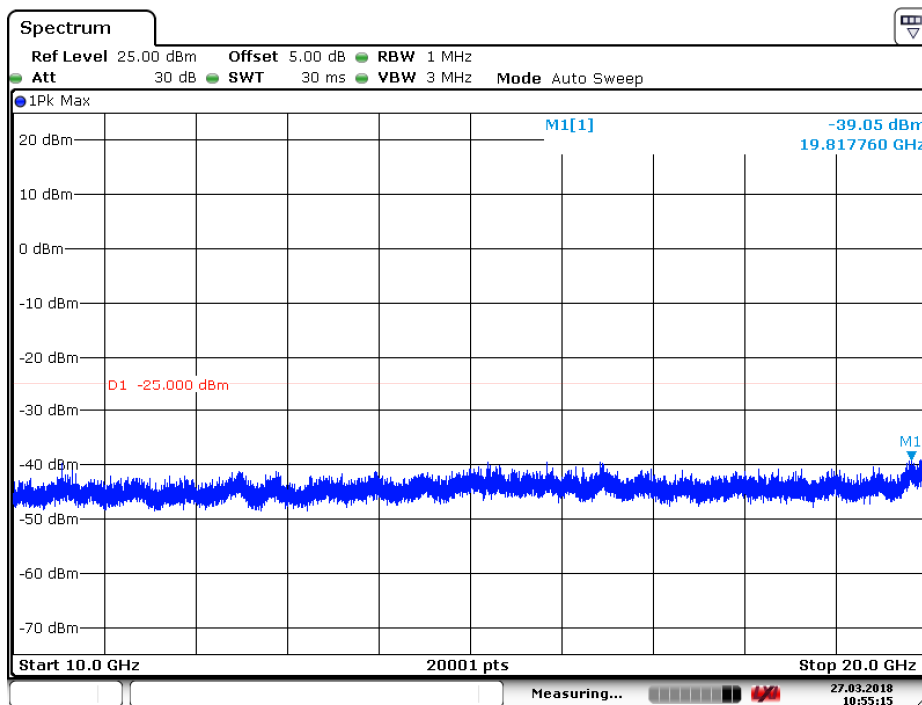
6.1.1.2.3 Test Channel = HCH



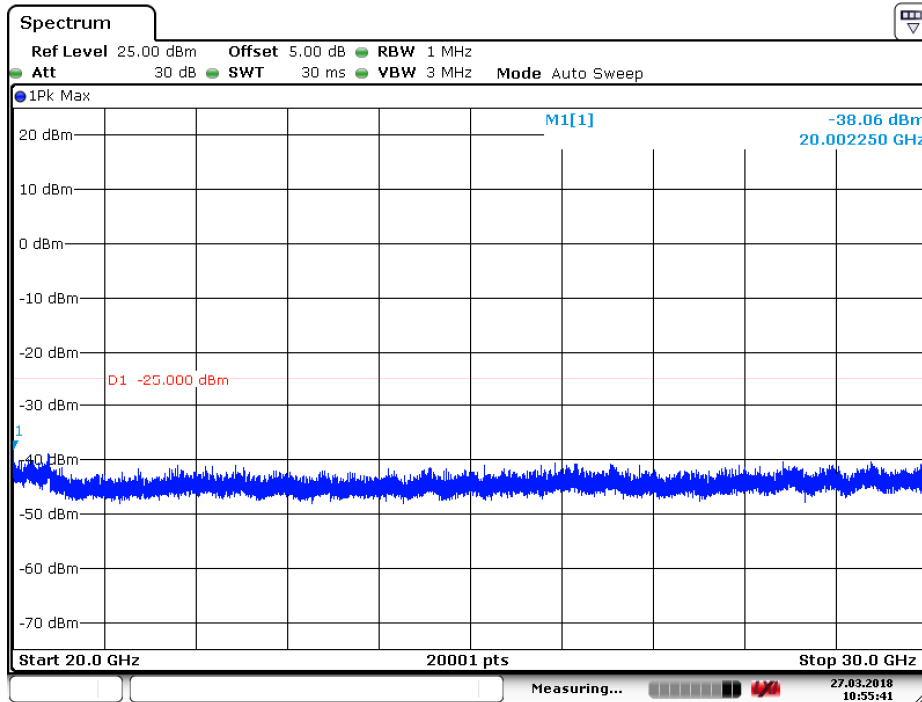
Date: 27.MAR.2018 10:42:19



Date: 27.MAR.2018 10:54:59



Date: 27.MAR.2018 10:55:15



Date: 27.MAR.2018 10:55:42

7 Field Strength of Spurious Radiation

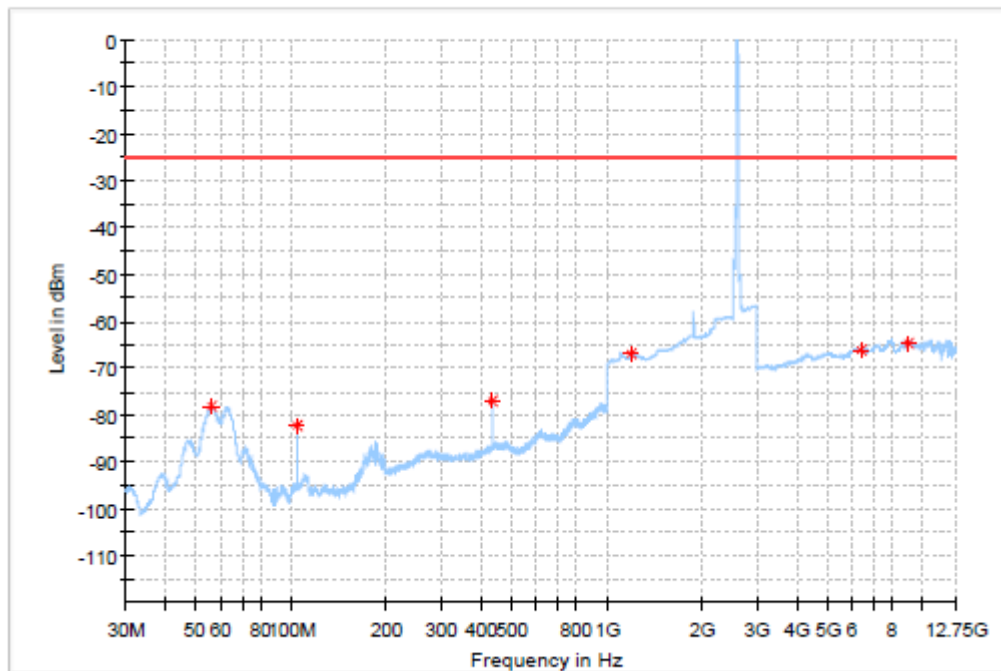
7.1 For LTE

7.1.1 Test Band = LTE Band CA_38C-Main Antenna

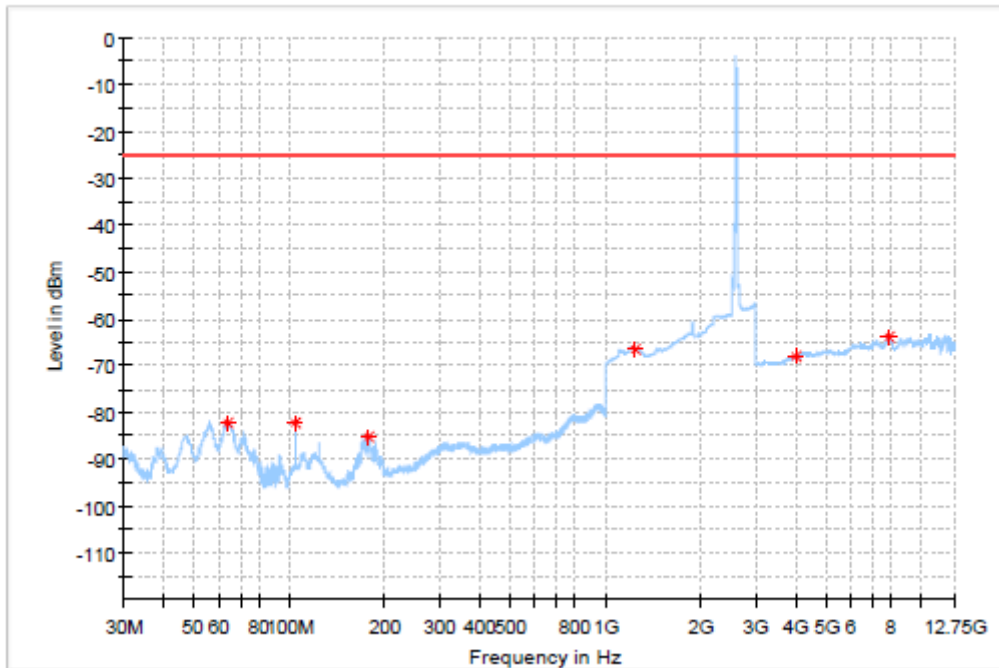
7.1.1.1 Test Mode =LTE/TM1 100RB+100RB

7.1.1.1.1 Test Channel = LCH

Full Spectrum

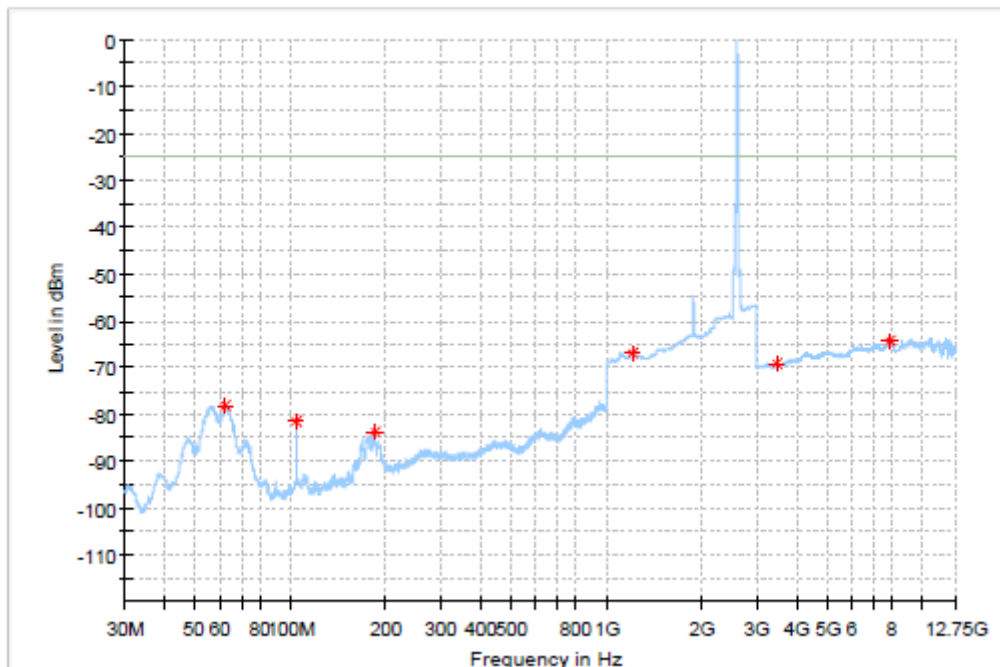


Full Spectrum

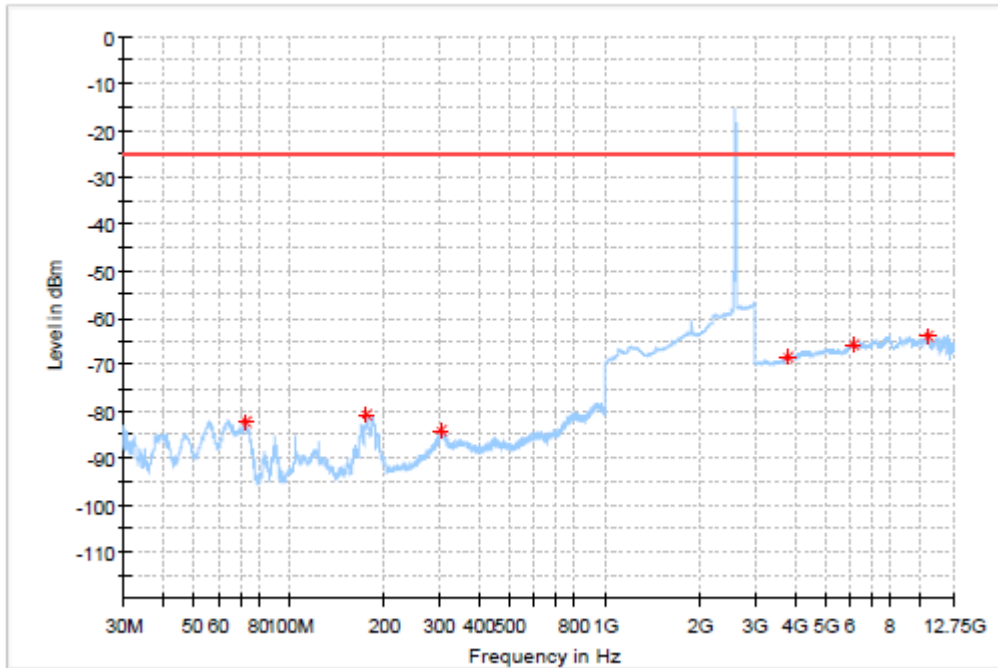


7.1.1.1.2 Test Channel = MCH

Full Spectrum

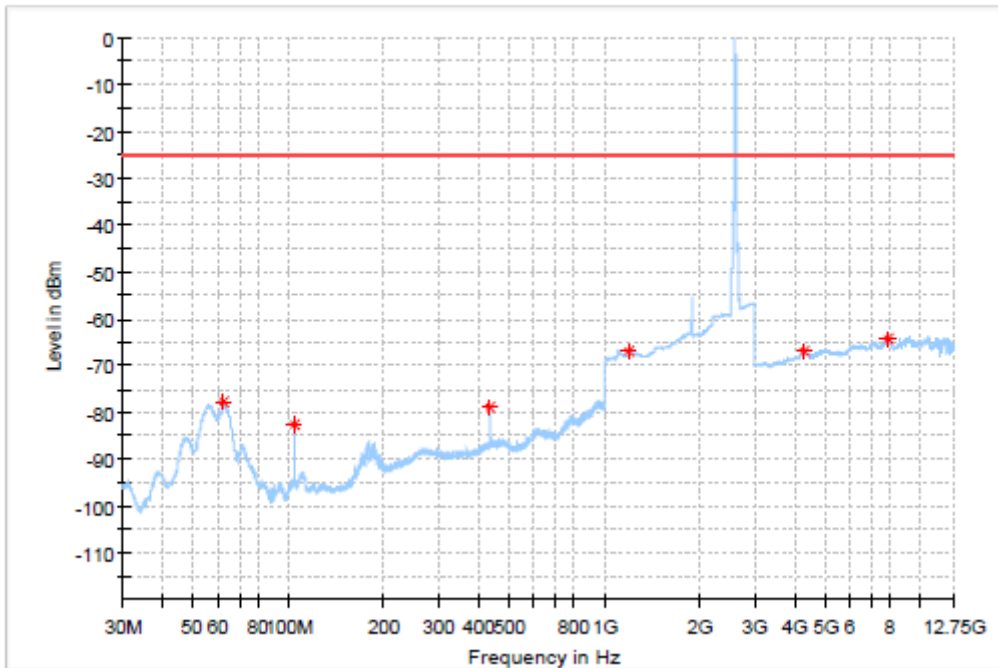


Full Spectrum



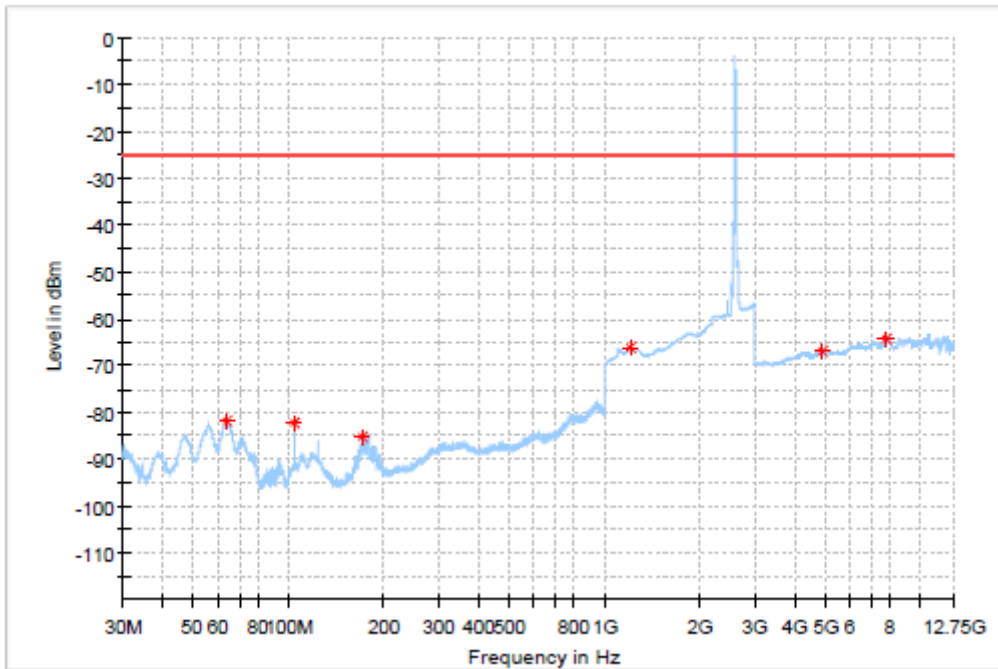
7.1.1.1.3 Test Channel = HCH

Full Spectrum



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Full Spectrum

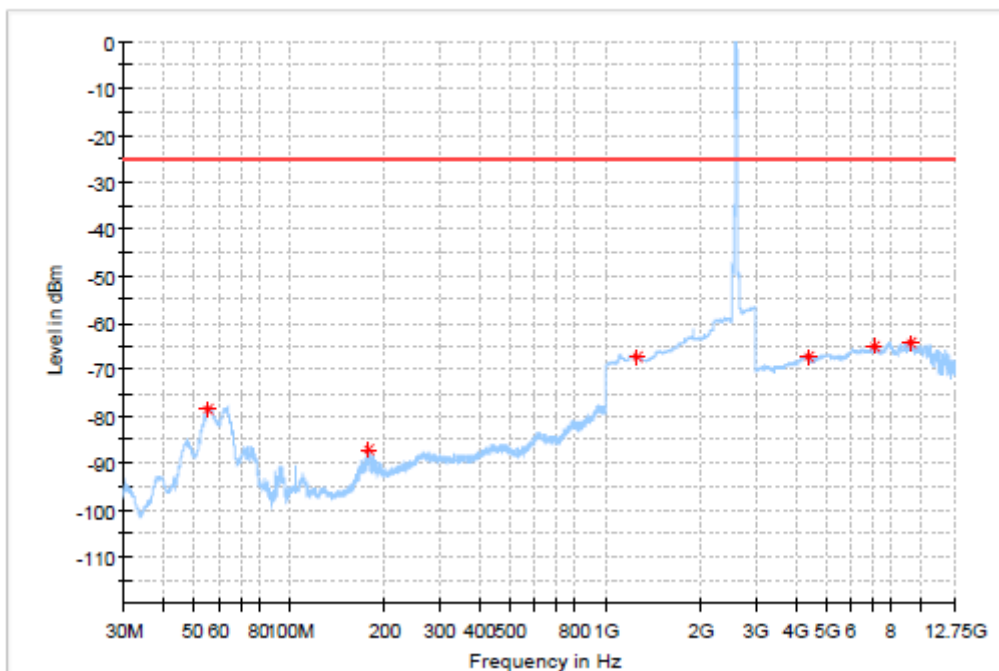


7.1.2 Test Band = LTE Band CA_38C-Secondary Antenna

7.1.2.1 Test Mode = LTE/TM1 100RB+100RB

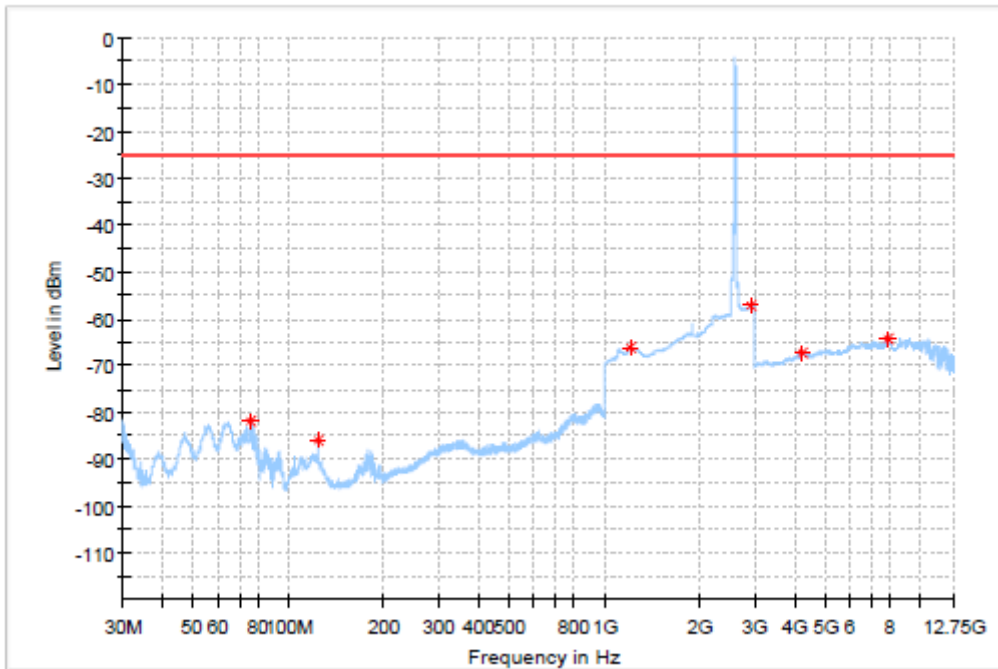
7.1.2.1.1 Test Channel = LCH

Full Spectrum



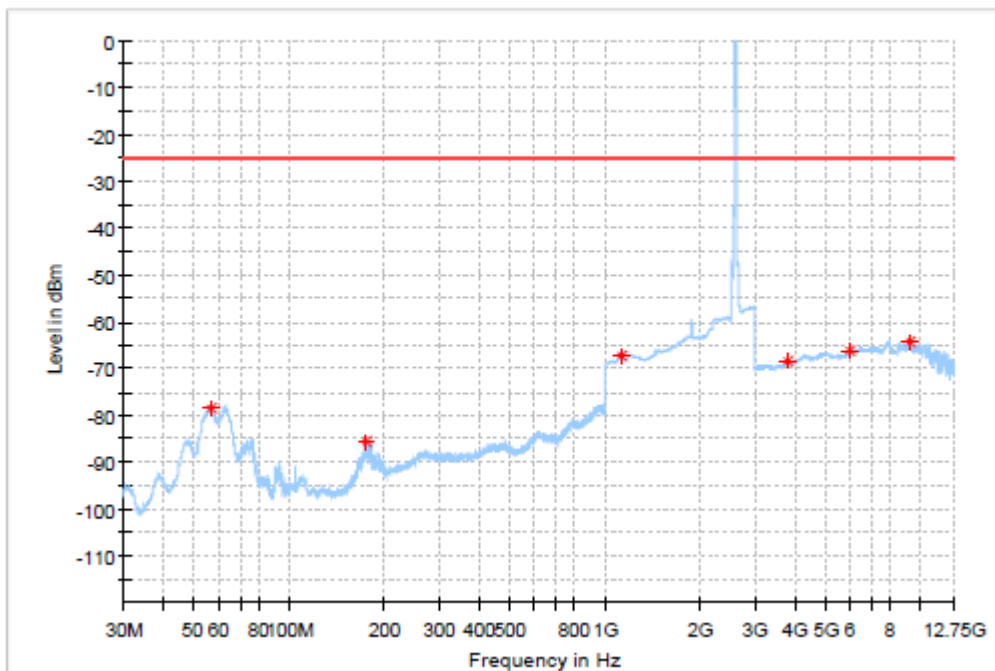
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Full Spectrum

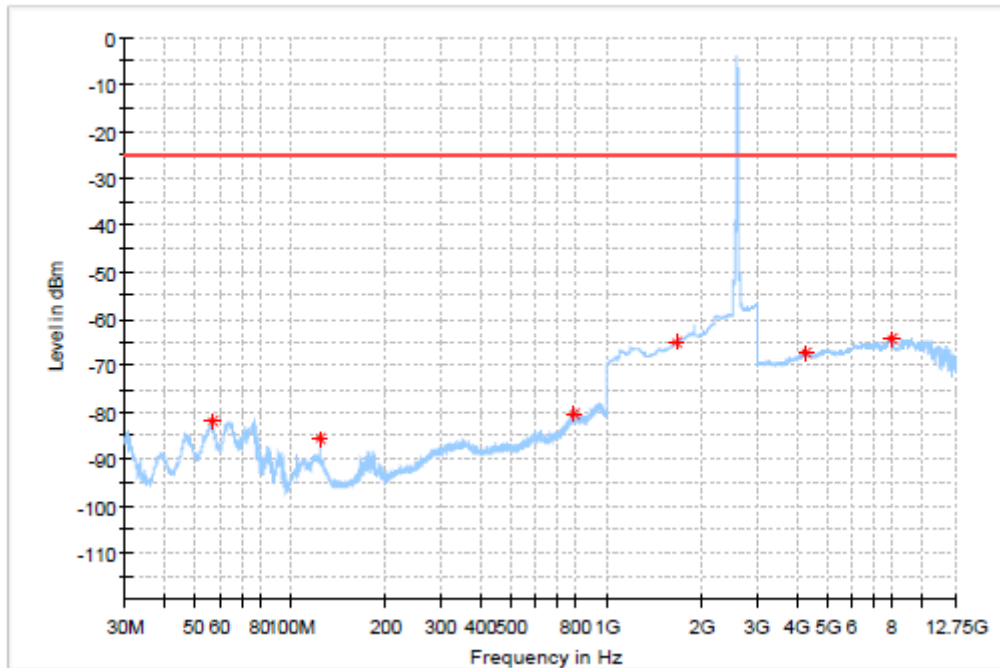


7.1.2.1.2 Test Channel = MCH

Full Spectrum

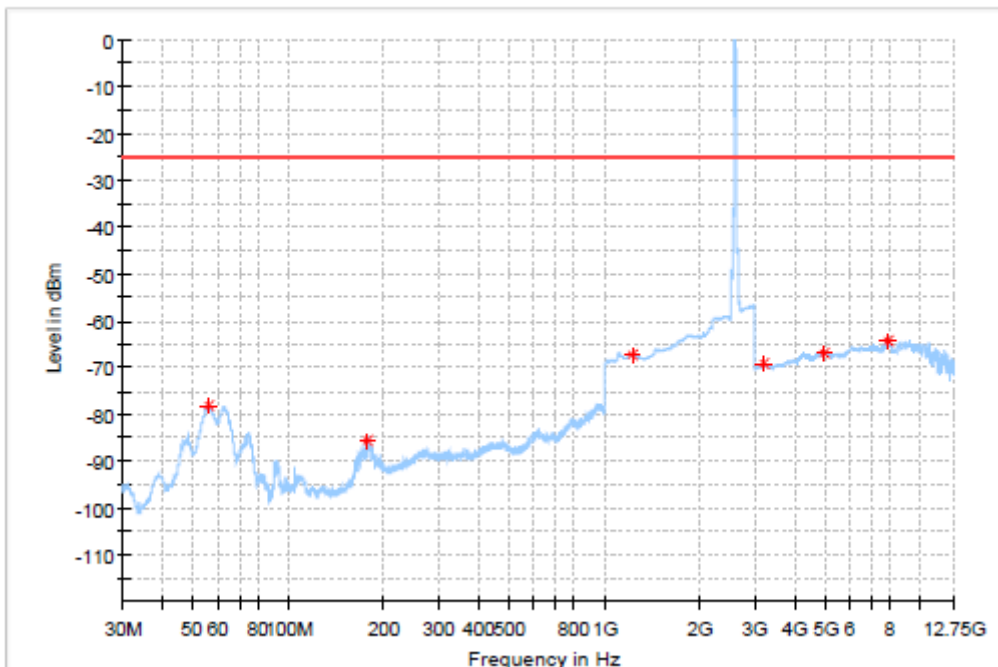


Full Spectrum

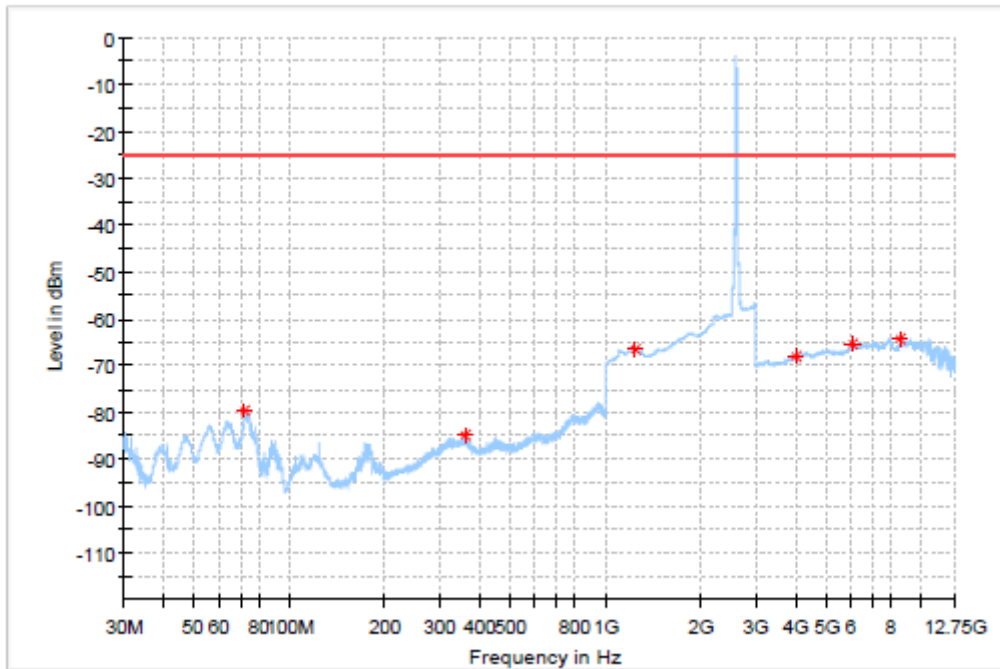


7.1.2.1.3 Test Channel = HCH

Full Spectrum



Full Spectrum



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.
- 2) We have tested all combinations and all modulations, but only the worst case data presented in this report.



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
CA_38C	LTE/TM1 75RB+75RB	LCH	TN	VL	-4.03	-0.00217	PASS
				VN	0.46	0.00025	PASS
				VH	-7.73	-0.00416	PASS
		MCH	TN	VL	1.49	0.00079	PASS
				VN	-2.84	-0.00151	PASS
				VH	2.63	0.00140	PASS
		HCH	TN	VL	-6.56	-0.00345	PASS
				VN	-5.17	-0.00272	PASS
				VH	-0.79	-0.00042	PASS
	LTE/TM2 75RB+75RB	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	0.44	0.00023	PASS
	LTE/TM3 75RB+75RB	LCH	TN	VL	2.09	0.00112	PASS
				VN	-0.32	-0.00017	PASS
				VH	4.38	0.00235	PASS
		MCH	TN	VL	-2.83	-0.00151	PASS
				VN	0.43	0.00023	PASS
				VH	-3.54	-0.00188	PASS
		HCH	TN	VL	3.23	0.00170	PASS
				VN	1.45	0.00076	PASS
				VH	-2.05	-0.00108	PASS



Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM1 100RB+100RB	LCH	TN	VL	-4.03	-0.00217	PASS
				VN	0.46	0.00025	PASS
				VH	-7.73	-0.00416	PASS
		MCH	TN	VL	1.49	0.00079	PASS
				VN	-2.84	-0.00151	PASS
				VH	2.63	0.00140	PASS
		HCH	TN	VL	-6.56	-0.00345	PASS
				VN	-5.17	-0.00272	PASS
				VH	-0.79	-0.00042	PASS
	LTE/TM2 100RB+100RB	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	0.44	0.00023	PASS
	LTE/TM3 100RB+100RB	LCH	TN	VL	2.09	0.00112	PASS
				VN	-0.32	-0.00017	PASS
				VH	4.38	0.00235	PASS
		MCH	TN	VL	-2.83	-0.00151	PASS
				VN	0.43	0.00023	PASS
				VH	-3.54	-0.00188	PASS
		HCH	TN	VL	3.23	0.00170	PASS
				VN	1.45	0.00076	PASS
				VH	-2.05	-0.00108	PASS

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8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM1 75RB+75RB	LCH	VN	-30	-0.40	-0.00022	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	0.11	0.00006	PASS
				30	-0.31	-0.00017	PASS
				40	-0.14	-0.00008	PASS
				50	0.59	0.00032	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	-5.66	-0.00301	PASS
				40	-4.62	-0.00246	PASS
				50	-6.92	-0.00368	PASS
		HCH	VN	-30	0.54	0.00028	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	-0.57	-0.00030	PASS
				30	-2.66	-0.00140	PASS
				40	-5.43	-0.00286	PASS
				50	-8.90	-0.00468	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM2 75RB+75RB	LCH	VN	-30	-0.50	-0.00027	PASS
				-20	-2.45	-0.00132	PASS
				-10	3.38	0.00182	PASS
				0	2.64	0.00142	PASS
				10	1.60	0.00086	PASS
				20	-0.23	-0.00012	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	-0.34	-0.00018	PASS
				20	1.74	0.00093	PASS
				30	-3.64	-0.00194	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	-3.73	-0.00196	PASS
				10	2.88	0.00152	PASS
				20	-1.47	-0.00077	PASS
				30	-2.59	-0.00136	PASS
				40	-4.33	-0.00228	PASS
			50	-7.60	-0.00400	PASS	

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM3 75RB+75RB	LCH	VN	-30	1.50	0.00081	PASS
				-20	-1.60	-0.00086	PASS
				-10	4.38	0.00235	PASS
				0	1.69	0.00091	PASS
				10	1.43	0.00077	PASS
				20	0.54	0.00029	PASS
				30	-2.61	-0.00140	PASS
				40	-0.69	-0.00037	PASS
		MCH	VN	-30	-7.34	-0.00390	PASS
				-20	-5.33	-0.00284	PASS
				-10	-7.23	-0.00385	PASS
				0	-5.34	-0.00284	PASS
				10	-4.04	-0.00215	PASS
				20	-6.34	-0.00337	PASS
				30	-5.26	-0.00280	PASS
				40	-4.13	-0.00220	PASS
		HCH	VN	-30	2.34	0.00123	PASS
				-20	-1.83	-0.00096	PASS
				-10	1.57	0.00083	PASS
				0	-2.43	-0.00128	PASS
				10	1.60	0.00084	PASS
				20	-0.57	-0.00030	PASS
				30	0.66	0.00035	PASS
				40	-5.43	-0.00286	PASS
			50	-5.90	-0.00311	PASS	

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM1 100RB+100RB	LCH	VN	-30	-0.40	-0.00022	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	0.11	0.00006	PASS
				30	-0.31	-0.00017	PASS
				40	-0.14	-0.00008	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	-5.66	-0.00301	PASS
				40	-4.62	-0.00246	PASS
		HCH	VN	-30	0.54	0.00028	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	-0.57	-0.00030	PASS
				30	-2.66	-0.00140	PASS
				40	-5.43	-0.00286	PASS
		50	-8.90	-0.00468	PASS		

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM2 100RB+100RB	LCH	VN	-30	-0.50	-0.00027	PASS
				-20	-2.45	-0.00132	PASS
				-10	3.38	0.00182	PASS
				0	2.64	0.00142	PASS
				10	1.60	0.00086	PASS
				20	-0.23	-0.00012	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	-0.34	-0.00018	PASS
				20	1.74	0.00093	PASS
				30	-3.64	-0.00194	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	-3.73	-0.00196	PASS
				10	2.88	0.00152	PASS
				20	-1.47	-0.00077	PASS
				30	-2.59	-0.00136	PASS
				40	-4.33	-0.00228	PASS
				50	-7.60	-0.00400	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_38C	LTE/TM3 100RB+100RB	LCH	VN	-30	1.50	0.00081	PASS
				-20	-1.60	-0.00086	PASS
				-10	4.38	0.00235	PASS
				0	1.69	0.00091	PASS
				10	1.43	0.00077	PASS
				20	0.54	0.00029	PASS
				30	-2.61	-0.00140	PASS
				40	-0.69	-0.00037	PASS
		MCH	VN	-30	-7.34	-0.00390	PASS
				-20	-5.33	-0.00284	PASS
				-10	-7.23	-0.00385	PASS
				0	-5.34	-0.00284	PASS
				10	-4.04	-0.00215	PASS
				20	-6.34	-0.00337	PASS
				30	-5.26	-0.00280	PASS
				40	-4.13	-0.00220	PASS
		HCH	VN	-30	2.34	0.00123	PASS
				-20	-1.83	-0.00096	PASS
				-10	1.57	0.00083	PASS
				0	-2.43	-0.00128	PASS
				10	1.60	0.00084	PASS
				20	-0.57	-0.00030	PASS
				30	0.66	0.00035	PASS
				40	-5.43	-0.00286	PASS
		50	-5.90	-0.00311	PASS		

The End