



Appendix B

E-UTRA Band26 (824-849)



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1 Effective (Isotropic) Radiated Power Output Data

Effective Radiated Power of Transmitter (ERP) for LTE BAND 26

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM1	1.4M	LCH	RB1#0	21.84	16.79	38.45	PASS
				RB1#2	21.8	16.75	38.45	PASS
				RB1#5	21.63	16.58	38.45	PASS
				RB3#0	21.85	16.8	38.45	PASS
				RB3#2	21.8	16.75	38.45	PASS
				RB3#3	21.71	16.66	38.45	PASS
				RB6#0	20.84	15.79	38.45	PASS
			MCH	RB1#0	21.78	16.73	38.45	PASS
				RB1#2	21.89	16.84	38.45	PASS
				RB1#5	21.79	16.74	38.45	PASS
				RB3#0	21.86	16.81	38.45	PASS
				RB3#2	21.92	16.87	38.45	PASS
				RB3#3	21.84	16.79	38.45	PASS
				RB6#0	20.96	15.91	38.45	PASS
			HCH	RB1#0	21.48	16.43	38.45	PASS
				RB1#2	21.54	16.49	38.45	PASS
				RB1#5	21.3	16.25	38.45	PASS
				RB3#0	21.57	16.52	38.45	PASS
				RB3#2	21.6	16.55	38.45	PASS
				RB3#3	21.57	16.52	38.45	PASS
				RB6#0	20.71	15.66	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM2	1.4M	LCH	RB1#0	21	15.95	38.45	PASS
				RB1#2	21.02	15.97	38.45	PASS
				RB1#5	20.84	15.79	38.45	PASS
				RB3#0	20.97	15.92	38.45	PASS
				RB3#2	20.97	15.92	38.45	PASS
				RB3#3	20.86	15.81	38.45	PASS
				RB6#0	20.91	15.86	38.45	PASS
			MCH	RB1#0	20.89	15.84	38.45	PASS
				RB1#2	21.25	16.2	38.45	PASS
				RB1#5	21.1	16.05	38.45	PASS
				RB3#0	21.1	16.05	38.45	PASS
				RB3#2	21.01	15.96	38.45	PASS
				RB3#3	21.13	16.08	38.45	PASS
				RB6#0	21	15.95	38.45	PASS
			HCH	RB1#0	20.73	15.68	38.45	PASS
				RB1#2	20.59	15.54	38.45	PASS
				RB1#5	20.4	15.35	38.45	PASS
				RB3#0	20.74	15.69	38.45	PASS
				RB3#2	20.75	15.7	38.45	PASS
				RB3#3	20.74	15.69	38.45	PASS
				RB6#0	20.71	15.66	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM1	3M	LCH	RB1#0	21.68	16.63	38.45	PASS
				RB1#7	21.87	16.82	38.45	PASS
				RB1#14	21.28	16.23	38.45	PASS
				RB8#0	20.77	15.72	38.45	PASS
				RB8#4	20.76	15.71	38.45	PASS
				RB8#7	20.63	15.58	38.45	PASS
				RB15#0	20.69	15.64	38.45	PASS
			MCH	RB1#0	21.45	16.4	38.45	PASS
				RB1#7	21.9	16.85	38.45	PASS
				RB1#14	21.62	16.57	38.45	PASS
				RB8#0	20.78	15.73	38.45	PASS
				RB8#4	20.9	15.85	38.45	PASS
				RB8#7	20.85	15.8	38.45	PASS
				RB15#0	20.81	15.76	38.45	PASS
			HCH	RB1#0	21.22	16.17	38.45	PASS
				RB1#7	21.63	16.58	38.45	PASS
				RB1#14	21.2	16.15	38.45	PASS
				RB8#0	20.48	15.43	38.45	PASS
				RB8#4	20.63	15.58	38.45	PASS
				RB8#7	20.56	15.51	38.45	PASS
				RB15#0	20.58	15.53	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM2	3M	LCH	RB1#0	20.95	15.9	38.45	PASS
				RB1#7	21.31	16.26	38.45	PASS
				RB1#14	20.77	15.72	38.45	PASS
				RB8#0	20.84	15.79	38.45	PASS
				RB8#4	20.81	15.76	38.45	PASS
				RB8#7	20.69	15.64	38.45	PASS
				RB15#0	20.67	15.62	38.45	PASS
			MCH	RB1#0	20.67	15.62	38.45	PASS
				RB1#7	21.14	16.09	38.45	PASS
				RB1#14	20.83	15.78	38.45	PASS
				RB8#0	20.84	15.79	38.45	PASS
				RB8#4	20.94	15.89	38.45	PASS
				RB8#7	20.9	15.85	38.45	PASS
				RB15#0	20.82	15.77	38.45	PASS
			HCH	RB1#0	20.46	15.41	38.45	PASS
				RB1#7	20.93	15.88	38.45	PASS
				RB1#14	20.47	15.42	38.45	PASS
				RB8#0	20.49	15.44	38.45	PASS
				RB8#4	20.59	15.54	38.45	PASS
				RB8#7	20.49	15.44	38.45	PASS
				RB15#0	20.56	15.51	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM1	5M	LCH	RB1#0	22.08	17.03	38.45	PASS
				RB1#13	21.99	16.94	38.45	PASS
				RB1#24	21.65	16.6	38.45	PASS
				RB12#0	20.91	15.86	38.45	PASS
				RB12#6	20.89	15.84	38.45	PASS
				RB12#13	20.61	15.56	38.45	PASS
				RB25#0	20.75	15.7	38.45	PASS
			MCH	RB1#0	21.98	16.93	38.45	PASS
				RB1#13	22.14	17.09	38.45	PASS
				RB1#24	22.18	17.13	38.45	PASS
				RB12#0	20.83	15.78	38.45	PASS
				RB12#6	21.01	15.96	38.45	PASS
				RB12#13	20.99	15.94	38.45	PASS
				RB25#0	20.88	15.83	38.45	PASS
			HCH	RB1#0	21.82	16.77	38.45	PASS
				RB1#13	21.74	16.69	38.45	PASS
				RB1#24	21.72	16.67	38.45	PASS
				RB12#0	20.68	15.63	38.45	PASS
				RB12#6	20.69	15.64	38.45	PASS
				RB12#13	20.65	15.6	38.45	PASS
				RB25#0	20.7	15.65	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM2	5M	LCH	RB1#0	21.29	16.24	38.45	PASS
				RB1#13	21.25	16.2	38.45	PASS
				RB1#24	20.91	15.86	38.45	PASS
				RB12#0	20.9	15.85	38.45	PASS
				RB12#6	20.83	15.78	38.45	PASS
				RB12#13	20.6	15.55	38.45	PASS
				RB25#0	20.7	15.65	38.45	PASS
			MCH	RB1#0	21.16	16.11	38.45	PASS
				RB1#13	21.42	16.37	38.45	PASS
				RB1#24	21.36	16.31	38.45	PASS
				RB12#0	20.88	15.83	38.45	PASS
				RB12#6	21.05	16	38.45	PASS
				RB12#13	20.98	15.93	38.45	PASS
				RB25#0	20.89	15.84	38.45	PASS
			HCH	RB1#0	21.45	16.4	38.45	PASS
				RB1#13	21.41	16.36	38.45	PASS
				RB1#24	21.31	16.26	38.45	PASS
				RB12#0	20.67	15.62	38.45	PASS
				RB12#6	20.76	15.71	38.45	PASS
				RB12#13	20.68	15.63	38.45	PASS
				RB25#0	20.63	15.58	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM1	10M	LCH	RB1#0	21.96	16.91	38.45	PASS
				RB1#24	21.96	16.91	38.45	PASS
				RB1#49	21.56	16.51	38.45	PASS
				RB25#0	21.01	15.96	38.45	PASS
				RB25#12	20.93	15.88	38.45	PASS
				RB25#25	20.56	15.51	38.45	PASS
				RB50#0	20.79	15.74	38.45	PASS
			MCH	RB1#0	21.62	16.57	38.45	PASS
				RB1#24	22.18	17.13	38.45	PASS
				RB1#49	21.83	16.78	38.45	PASS
				RB25#0	20.85	15.8	38.45	PASS
				RB25#12	21.07	16.02	38.45	PASS
				RB25#25	21.03	15.98	38.45	PASS
				RB50#0	20.94	15.89	38.45	PASS
			HCH	RB1#0	22.14	17.09	38.45	PASS
				RB1#24	21.92	16.87	38.45	PASS
				RB1#49	21.59	16.54	38.45	PASS
				RB25#0	21.11	16.06	38.45	PASS
				RB25#12	20.95	15.9	38.45	PASS
				RB25#25	20.69	15.64	38.45	PASS
				RB50#0	20.98	15.93	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM2	10M	LCH	RB1#0	21.42	16.37	38.45	PASS
				RB1#24	21.44	16.39	38.45	PASS
				RB1#49	21.03	15.98	38.45	PASS
				RB25#0	20.96	15.91	38.45	PASS
				RB25#12	20.89	15.84	38.45	PASS
				RB25#25	20.54	15.49	38.45	PASS
				RB50#0	20.74	15.69	38.45	PASS
			MCH	RB1#0	20.83	15.78	38.45	PASS
				RB1#24	21.42	16.37	38.45	PASS
				RB1#49	20.84	15.79	38.45	PASS
				RB25#0	20.83	15.78	38.45	PASS
				RB25#12	21.04	15.99	38.45	PASS
				RB25#25	21.01	15.96	38.45	PASS
				RB50#0	20.92	15.87	38.45	PASS
			HCH	RB1#0	21.36	16.31	38.45	PASS
				RB1#24	21.14	16.09	38.45	PASS
				RB1#49	20.58	15.53	38.45	PASS
				RB25#0	21.06	16.01	38.45	PASS
				RB25#12	20.9	15.85	38.45	PASS
				RB25#25	20.61	15.56	38.45	PASS
				RB50#0	21.06	16.01	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM1	15M	LCH	RB1#0	22.09	17.04	38.45	PASS
				RB1#38	22.04	16.99	38.45	PASS
				RB1#74	22.03	16.98	38.45	PASS
				RB36#0	21.04	15.99	38.45	PASS
				RB36#18	21.01	15.96	38.45	PASS
				RB36#39	20.88	15.83	38.45	PASS
				RB75#0	20.88	15.83	38.45	PASS
			MCH	RB1#0	21.85	16.8	38.45	PASS
				RB1#38	22.38	17.33	38.45	PASS
				RB1#74	21.73	16.68	38.45	PASS
				RB36#0	20.97	15.92	38.45	PASS
				RB36#18	21.26	16.21	38.45	PASS
				RB36#39	21.16	16.11	38.45	PASS
				RB75#0	21.06	16.01	38.45	PASS
			HCH	RB1#0	22.01	16.96	38.45	PASS
				RB1#38	22.45	17.4	38.45	PASS
				RB1#74	21.71	16.66	38.45	PASS
				RB36#0	21.26	16.21	38.45	PASS
				RB36#18	21.29	16.24	38.45	PASS
				RB36#39	20.89	15.84	38.45	PASS
				RB75#0	21.07	16.02	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND26	LTE/TM2	15M	LCH	RB1#0	21.3	16.25	38.45	PASS
				RB1#38	21.41	16.36	38.45	PASS
				RB1#74	21.18	16.13	38.45	PASS
				RB36#0	20.96	15.91	38.45	PASS
				RB36#18	20.96	15.91	38.45	PASS
				RB36#39	20.83	15.78	38.45	PASS
				RB75#0	20.9	15.85	38.45	PASS
			MCH	RB1#0	21.08	16.03	38.45	PASS
				RB1#38	21.67	16.62	38.45	PASS
				RB1#74	21.01	15.96	38.45	PASS
				RB36#0	20.95	15.9	38.45	PASS
				RB36#18	21.24	16.19	38.45	PASS
				RB36#39	21.13	16.08	38.45	PASS
				RB75#0	21.01	15.96	38.45	PASS
			HCH	RB1#0	21.3	16.25	38.45	PASS
				RB1#38	21.41	16.36	38.45	PASS
				RB1#74	21.18	16.13	38.45	PASS
				RB36#0	20.96	15.91	38.45	PASS
				RB36#18	20.96	15.91	38.45	PASS
				RB36#39	20.83	15.78	38.45	PASS
				RB75#0	20.9	15.85	38.45	PASS

Note:

a: For getting the ERP (Efficient Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

b: SGP=Signal Generator Level



2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
Band 26	TM1/15M	LCH	5.65	13	PASS
		MCH	5.45	13	PASS
		HCH	5.30	13	PASS
	TM2/15M	LCH	5.86	13	PASS
		MCH	5.88	13	PASS
		HCH	5.77	13	PASS

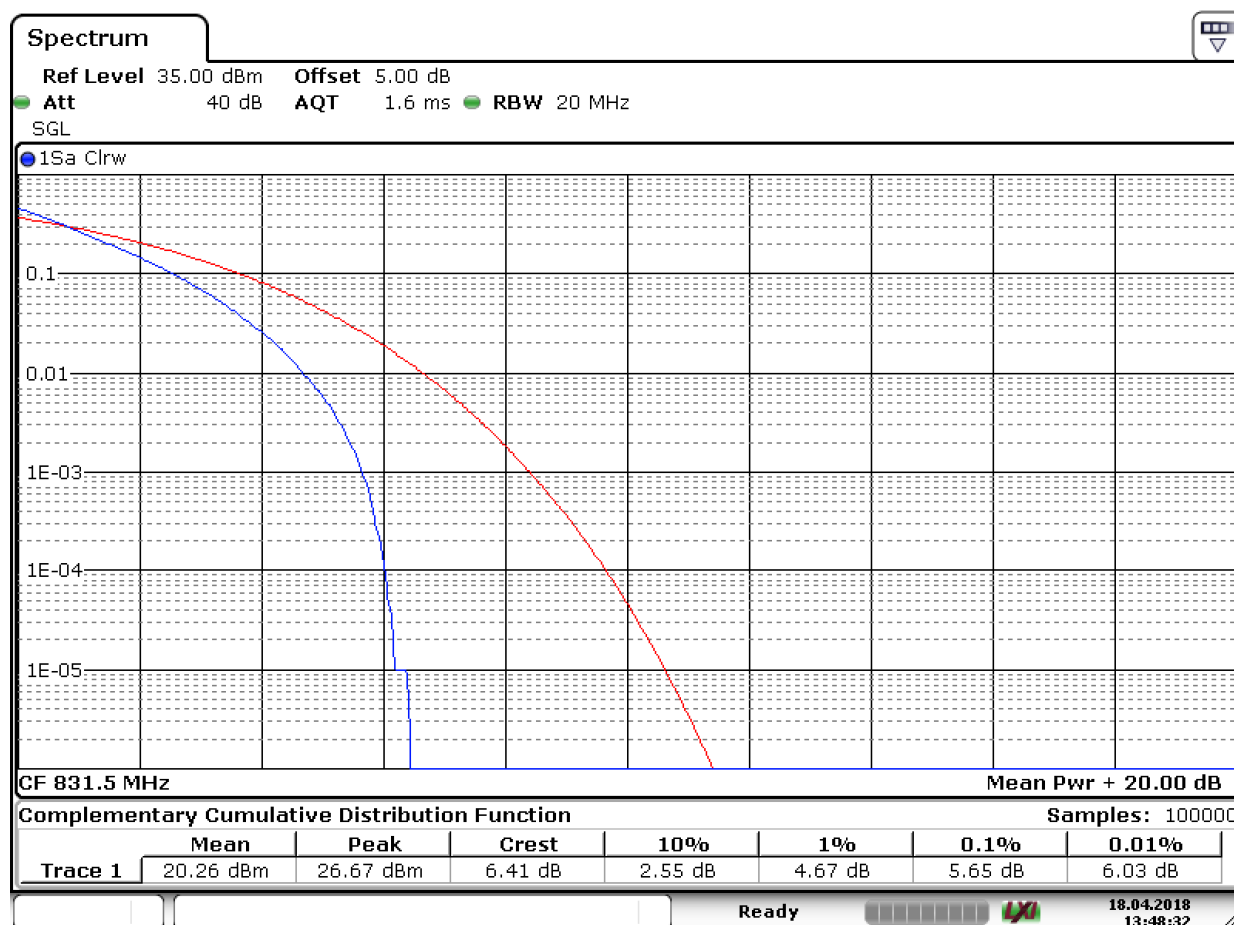
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band26

2.1.1.1 Test Mode = LTE/TM1.Bandwidth=15MHz

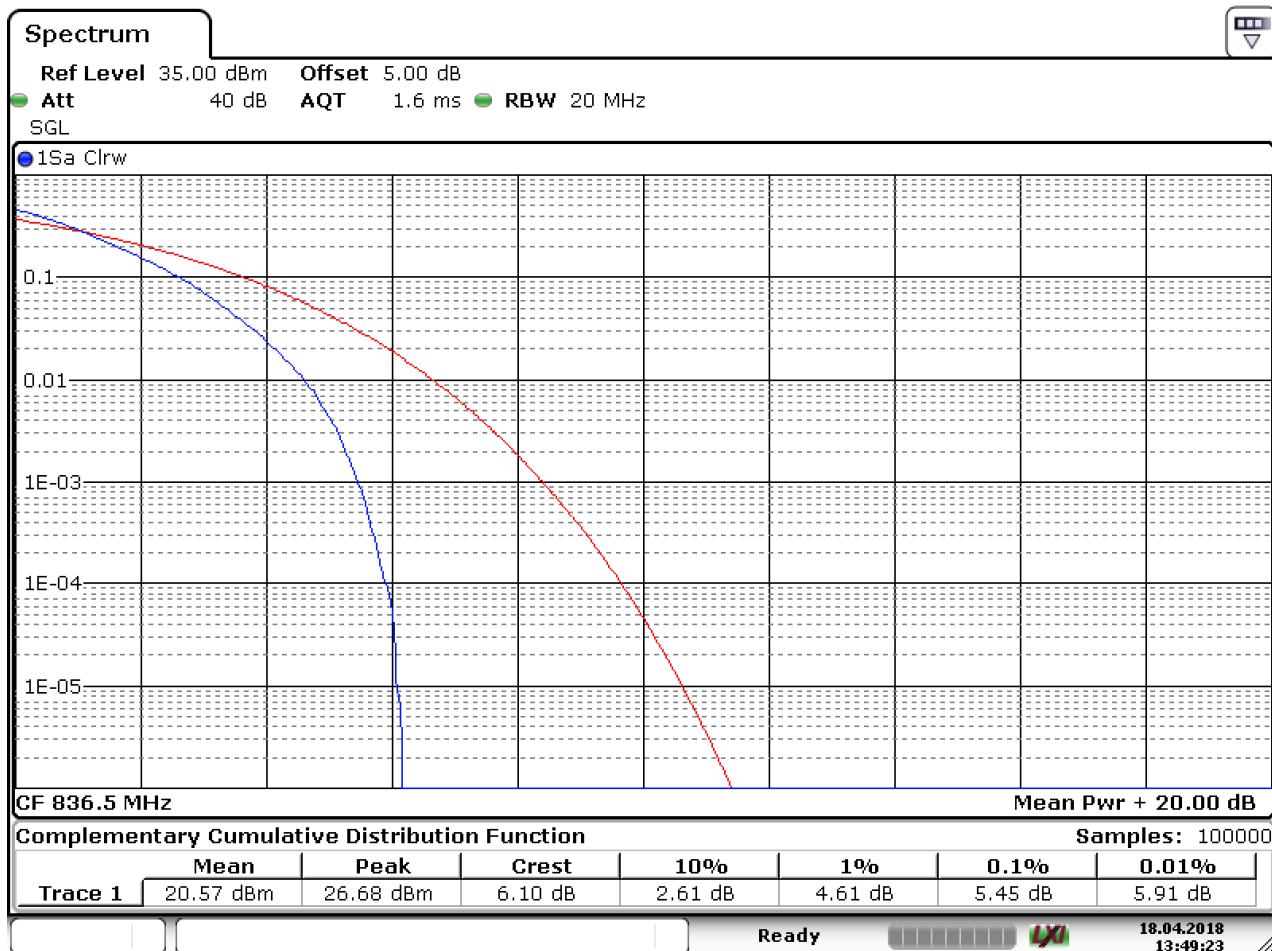
2.1.1.1.1 Test Channel = LCH



Date: 18.APR.2018 13:48:32



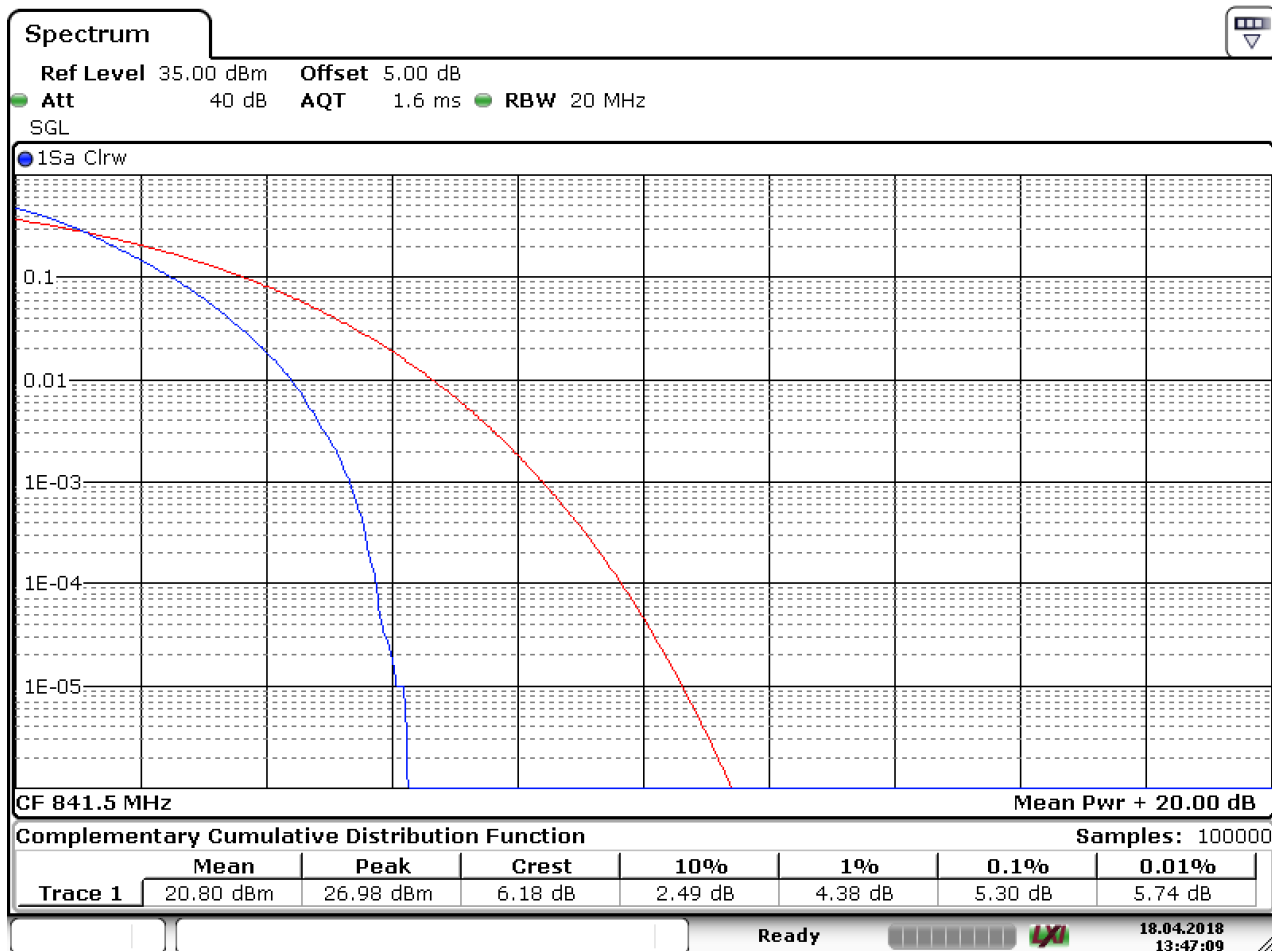
2.1.1.1.2 Test Channel = MCH



Date: 18.APR.2018 13:49:23



2.1.1.1.3 Test Channel = HCH

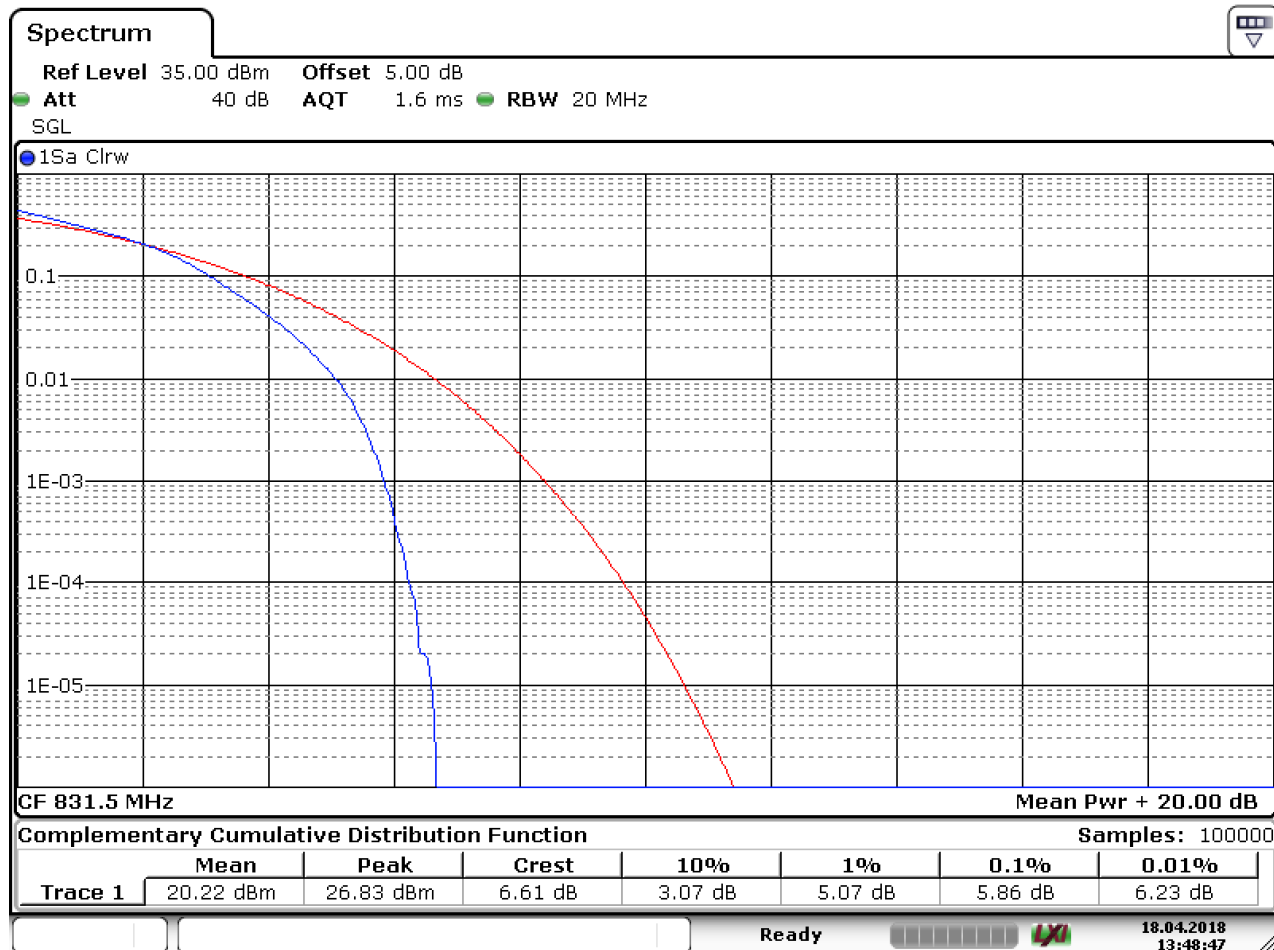


Date: 18.APR.2018 13:47:10



2.1.1.2 Test Mode = LTE/TM2.Bandwidth=15MHz

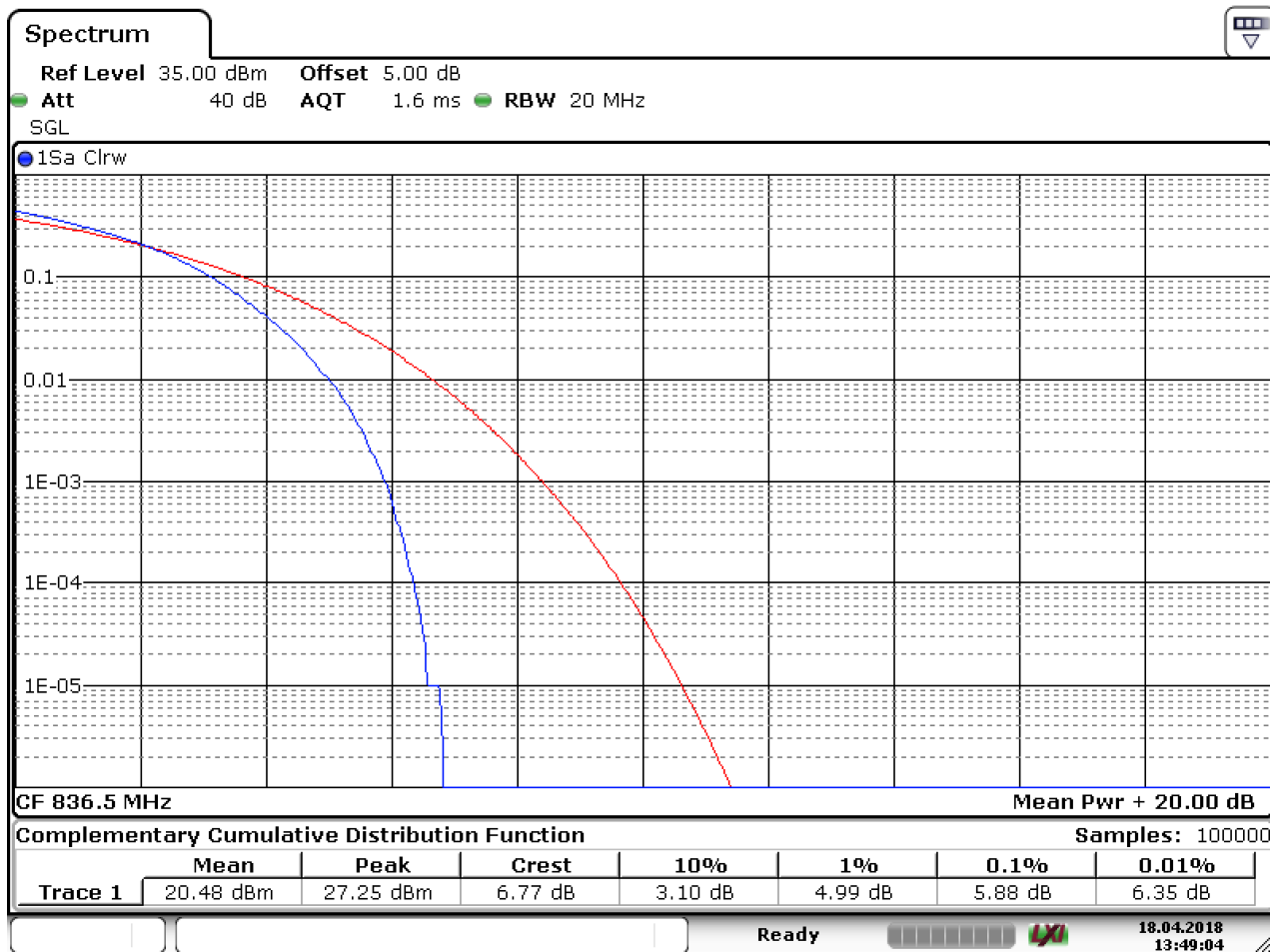
2.1.1.2.1 Test Channel = LCH



Date: 18.APR.2018 13:48:47



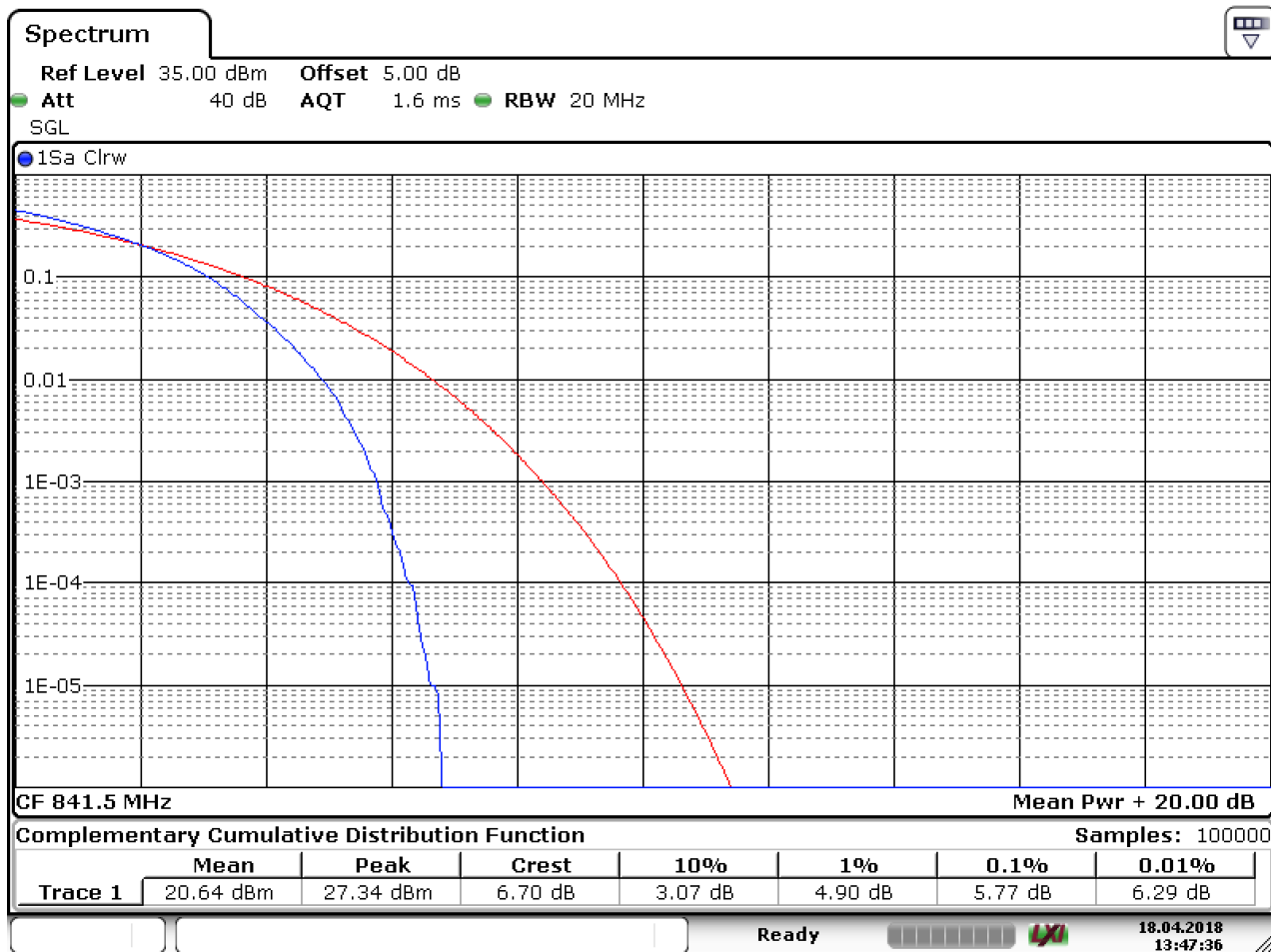
2.1.1.2.2 Test Channel = MCH



Date: 18.APR.2018 13:49:05



2.1.1.2.3 Test Channel = HCH



Date: 18.APR.2018 13:47:37

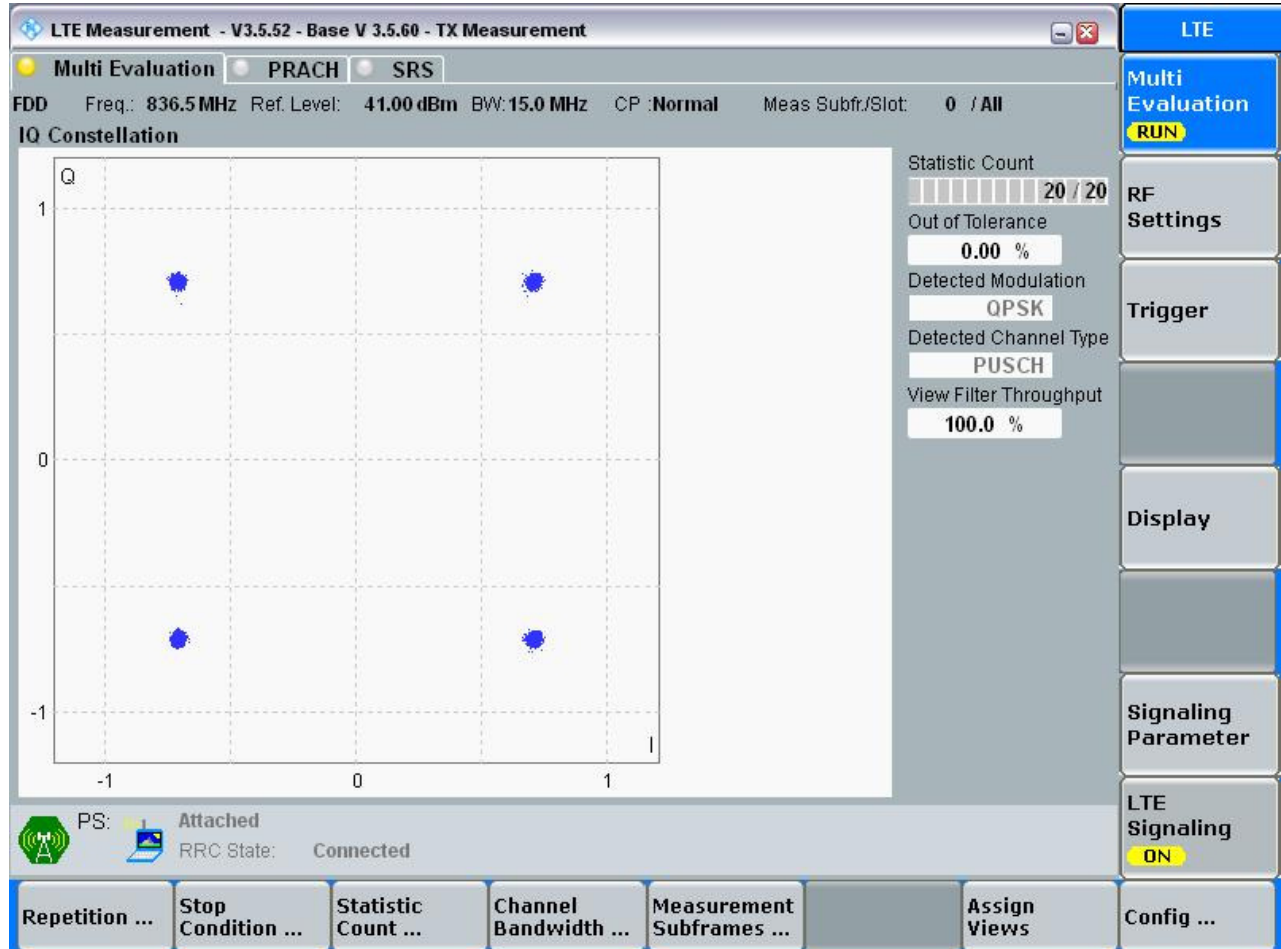
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE band26

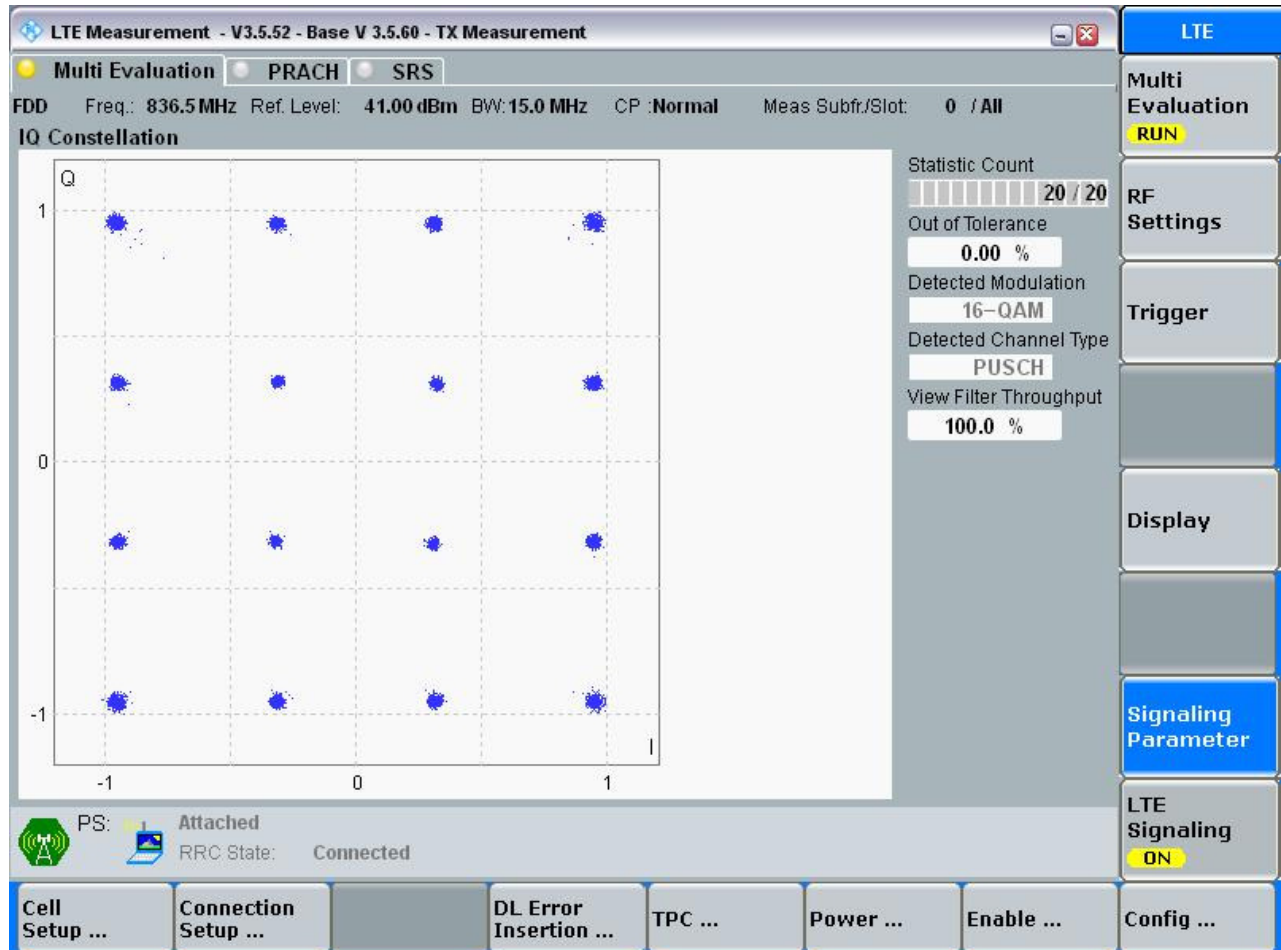
3.1.1.1 Test Mode = LTE /TM1 15MHz

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = LTE /TM2 15MHz

3.1.1.2.1 Test Channel = MCH





4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 26	TM1/1.4MHz	LCH	1.10	1.25	PASS
		MCH	1.10	1.24	PASS
		HCH	1.09	1.24	PASS
	TM2/1.4MHz	LCH	1.10	1.24	PASS
		MCH	1.10	1.24	PASS
		HCH	1.10	1.25	PASS
	TM1/3MHz	LCH	2.68	2.93	PASS
		MCH	2.69	2.94	PASS
		HCH	2.67	2.91	PASS
	TM2/3MHz	LCH	2.68	2.94	PASS
		MCH	2.69	2.94	PASS
		HCH	2.69	2.92	PASS
	TM1/5MHz	LCH	4.48	4.87	PASS
		MCH	4.48	4.88	PASS
		HCH	4.49	4.92	PASS
	TM2/5MHz	LCH	4.48	4.90	PASS
		MCH	4.49	4.89	PASS
		HCH	4.49	4.91	PASS
	TM1/10MHz	LCH	8.95	9.73	PASS
		MCH	8.95	9.73	PASS
		HCH	8.95	9.75	PASS
	TM2/10MHz	LCH	8.93	9.73	PASS
		MCH	8.93	9.75	PASS
		HCH	8.95	9.75	PASS
	TM1/15MHz	LCH	13.55	14.99	PASS
		MCH	13.49	14.99	PASS
		HCH	13.46	14.96	PASS
	TM2/15MHz	LCH	13.55	15.05	PASS
		MCH	13.49	14.93	PASS
		HCH	13.43	14.78	PASS

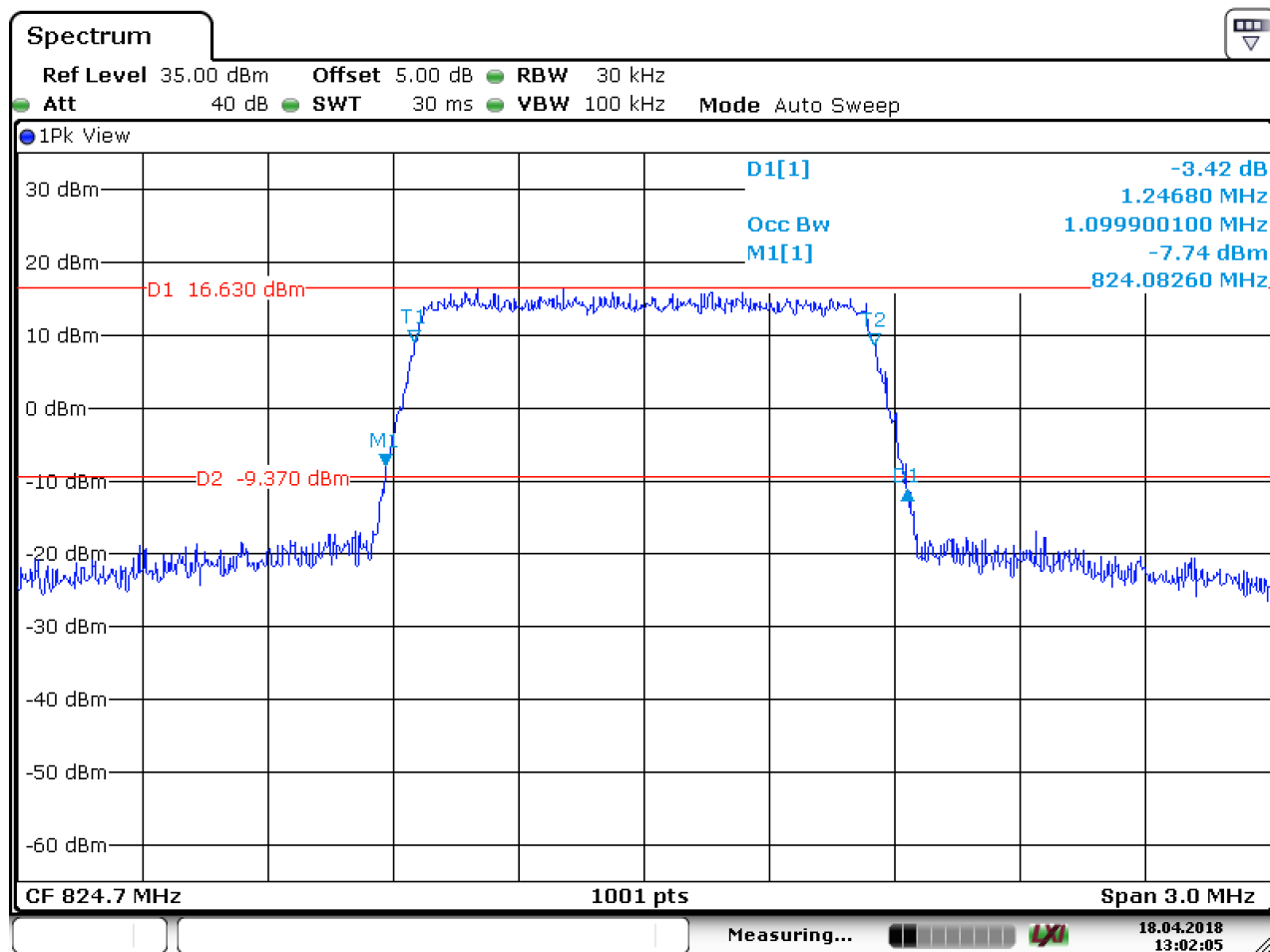
Part II –Test Plots

4.1 For LTE

4.1.1 Test Band = LTE band26

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

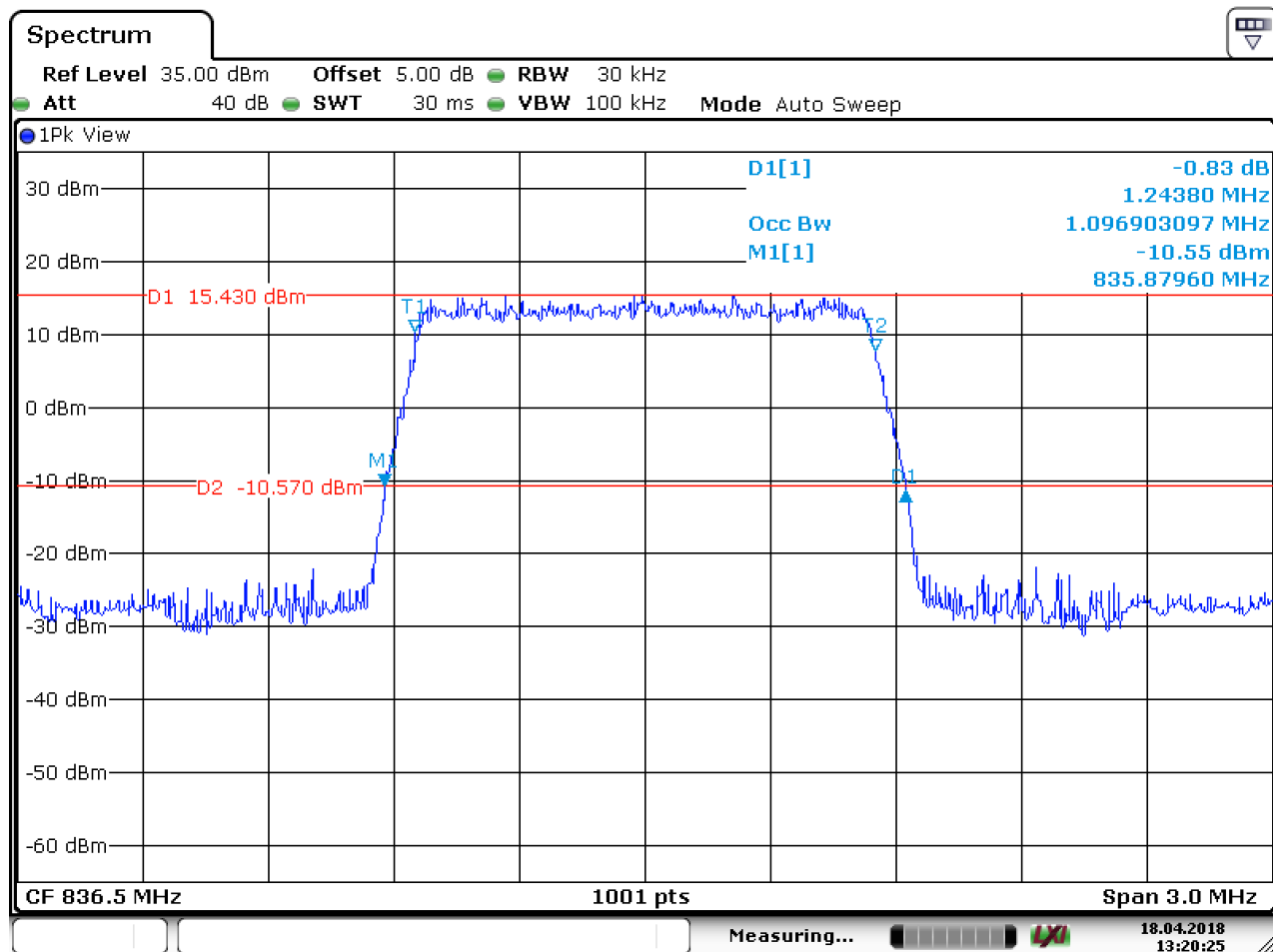
4.1.1.1.1 Test Channel = LCH



Date: 18.APR.2018 13:02:04



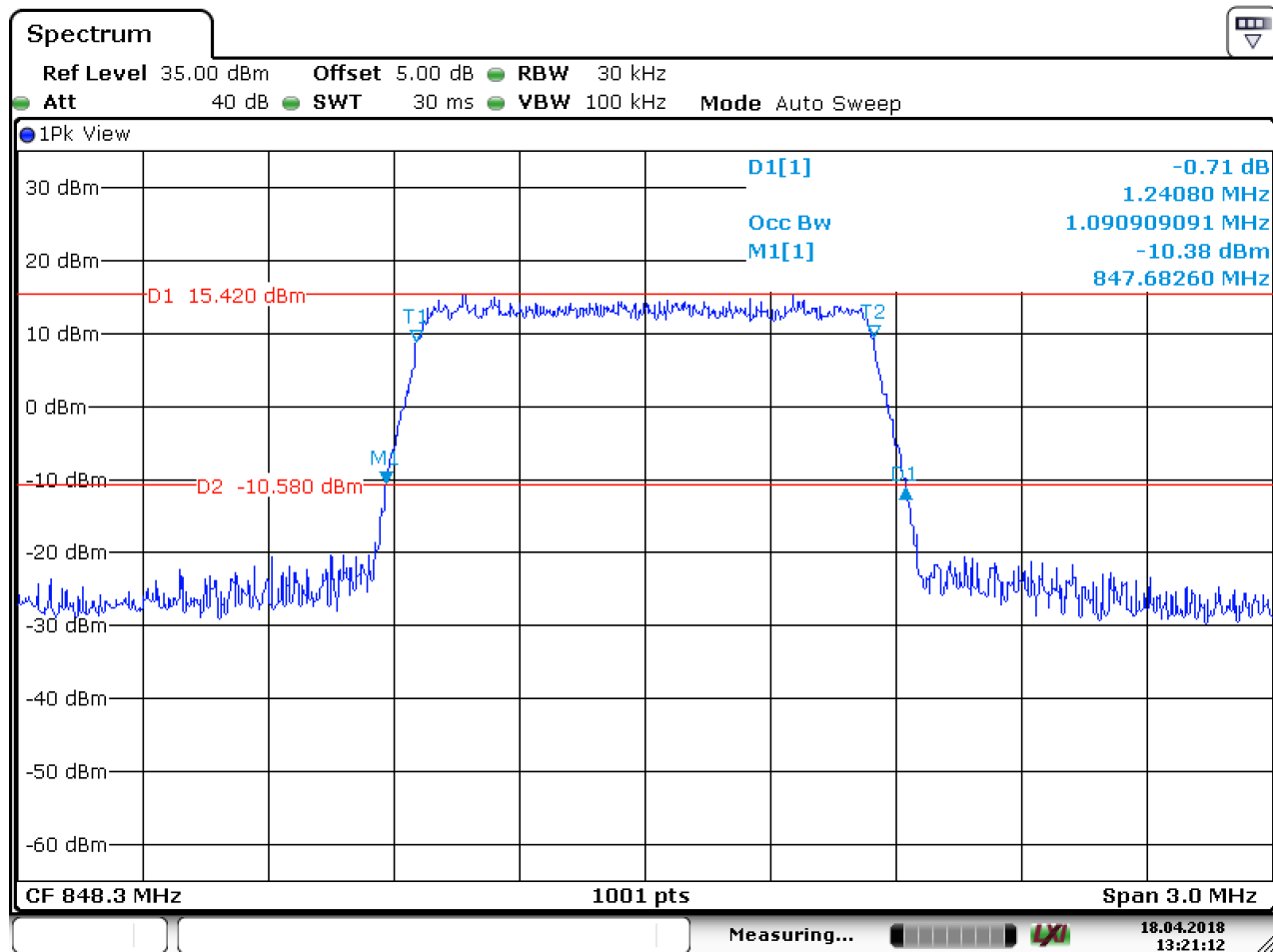
4.1.1.1.2 Test Channel = MCH



Date: 18.APR.2018 13:20:25



4.1.1.1.3 Test Channel = HCH

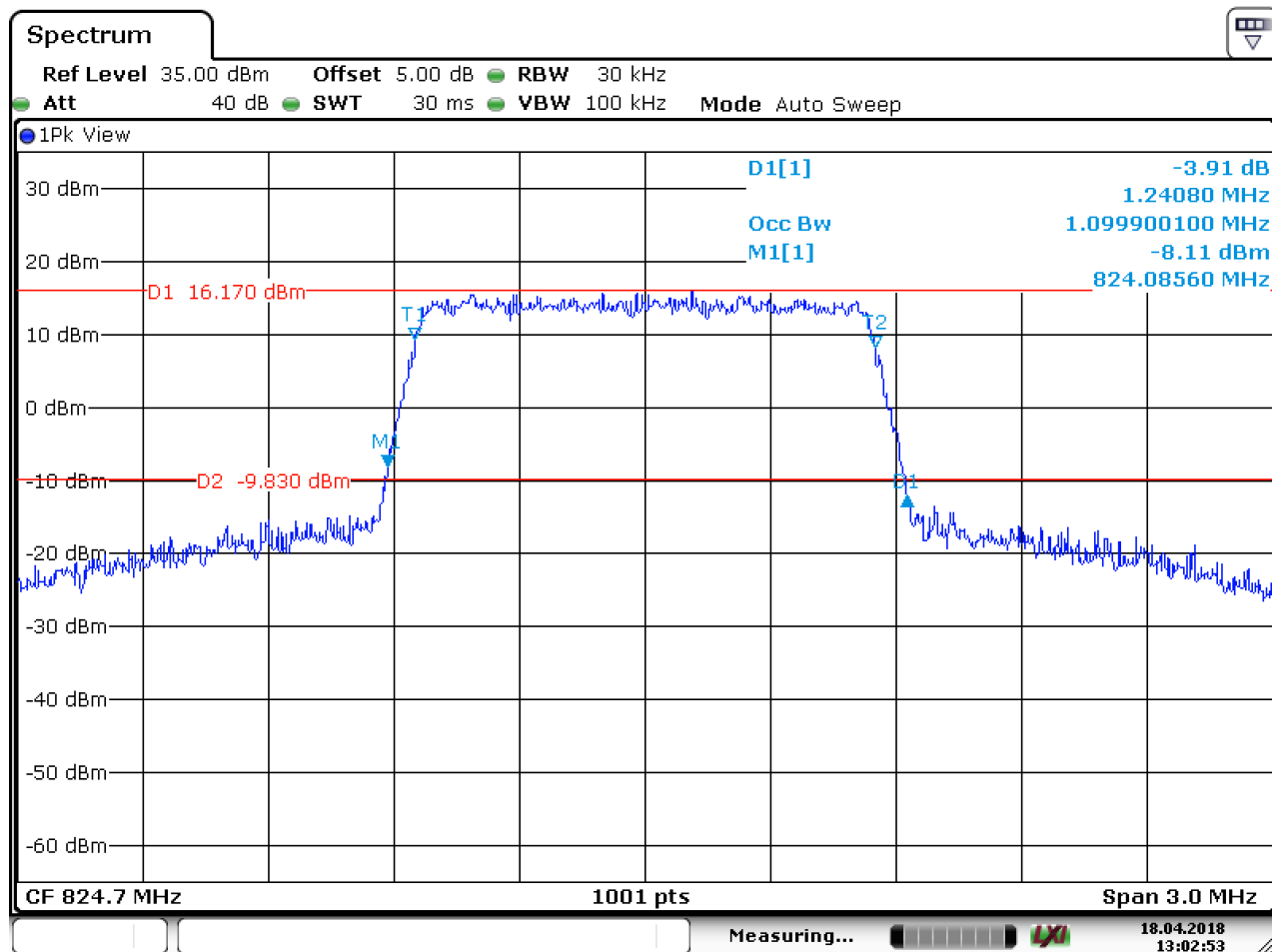


Date: 18.APR.2018 13:21:13



4.1.1.2 Test Mode = LTE/TM2 1.4MHz

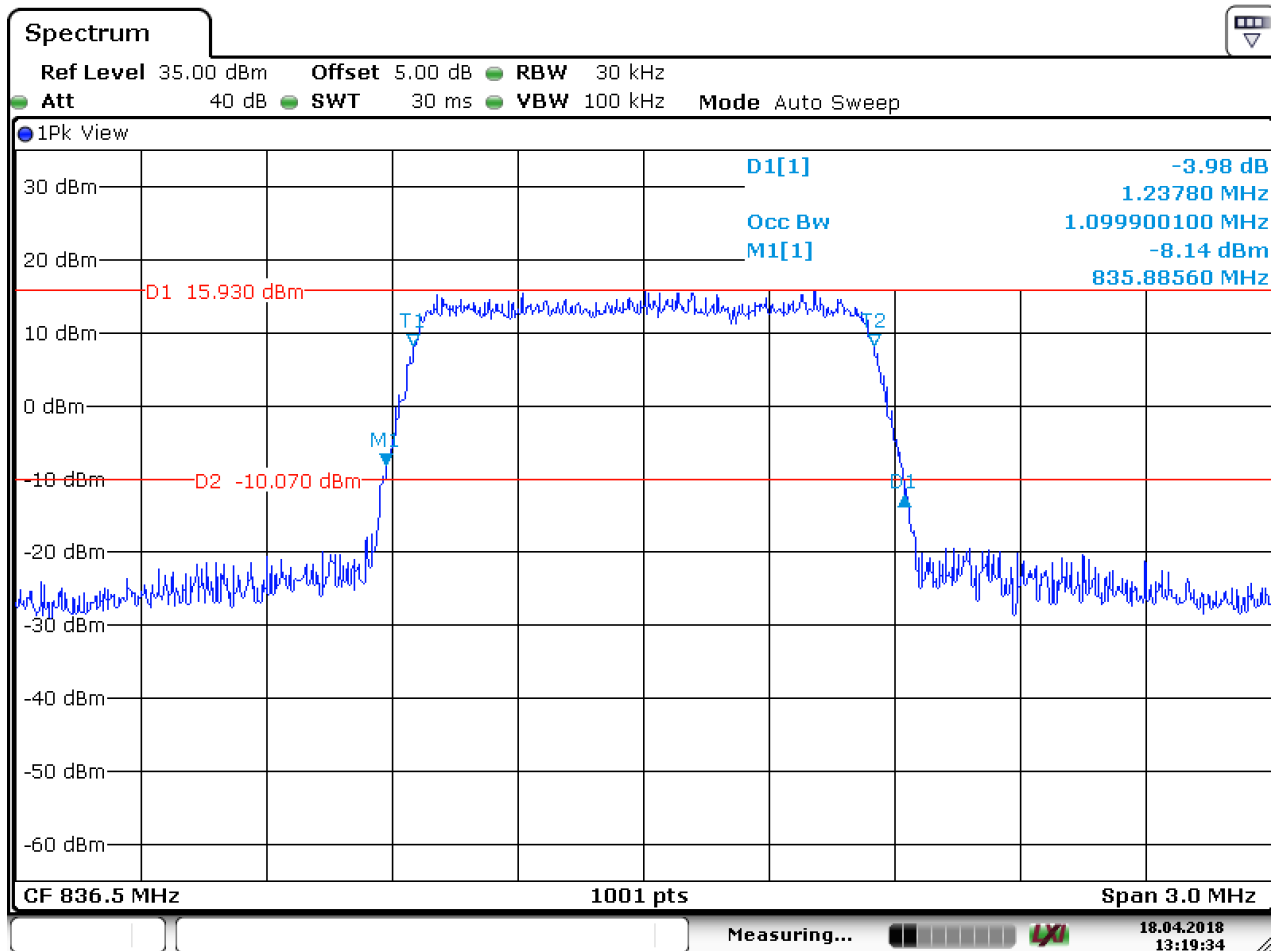
4.1.1.2.1 Test Channel = LCH



Date: 18.APR.2018 13:02:53



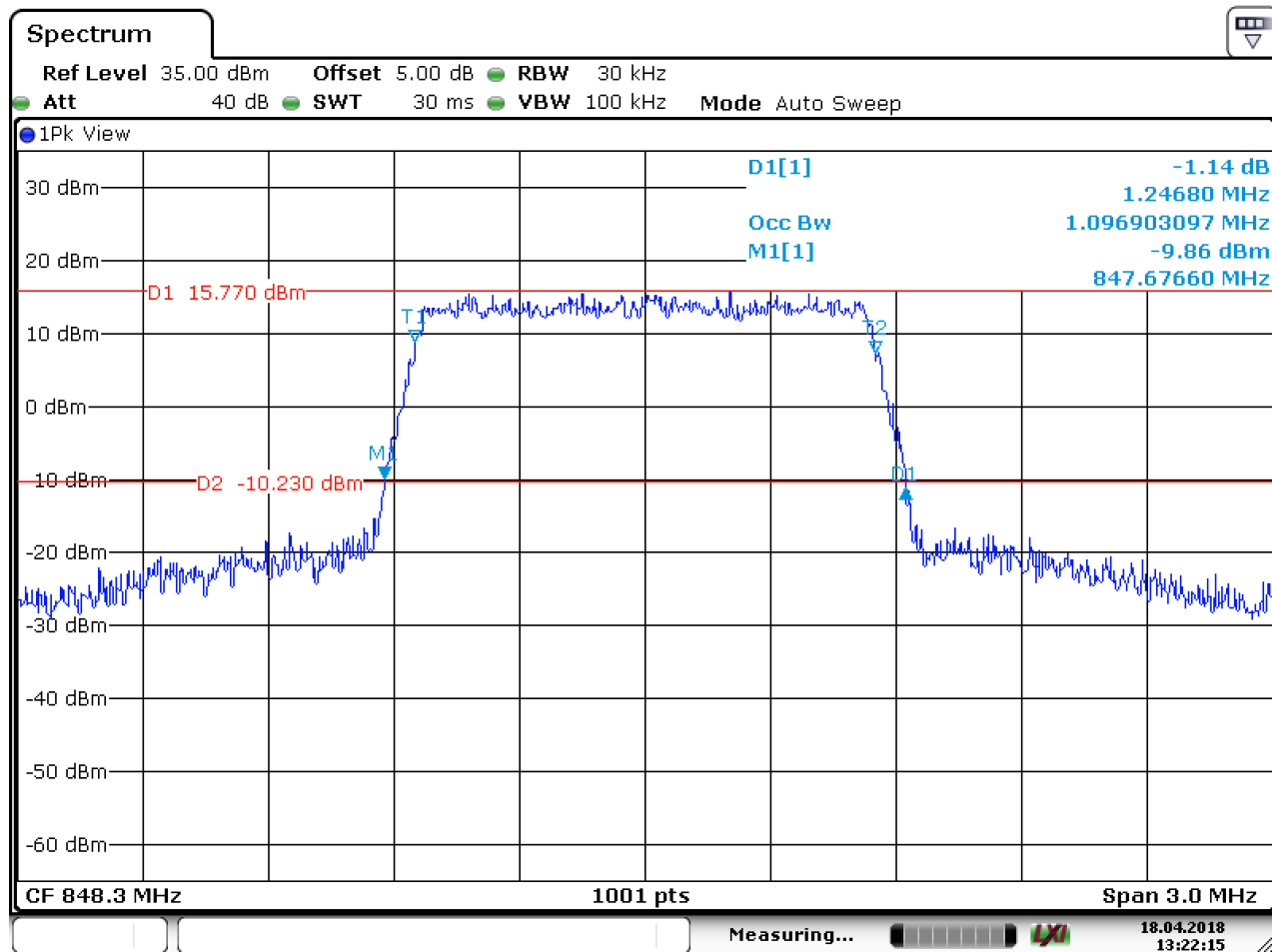
4.1.1.2.2 Test Channel = MCH



Date: 18.APR.2018 13:19:34



4.1.1.2.3 Test Channel = HCH

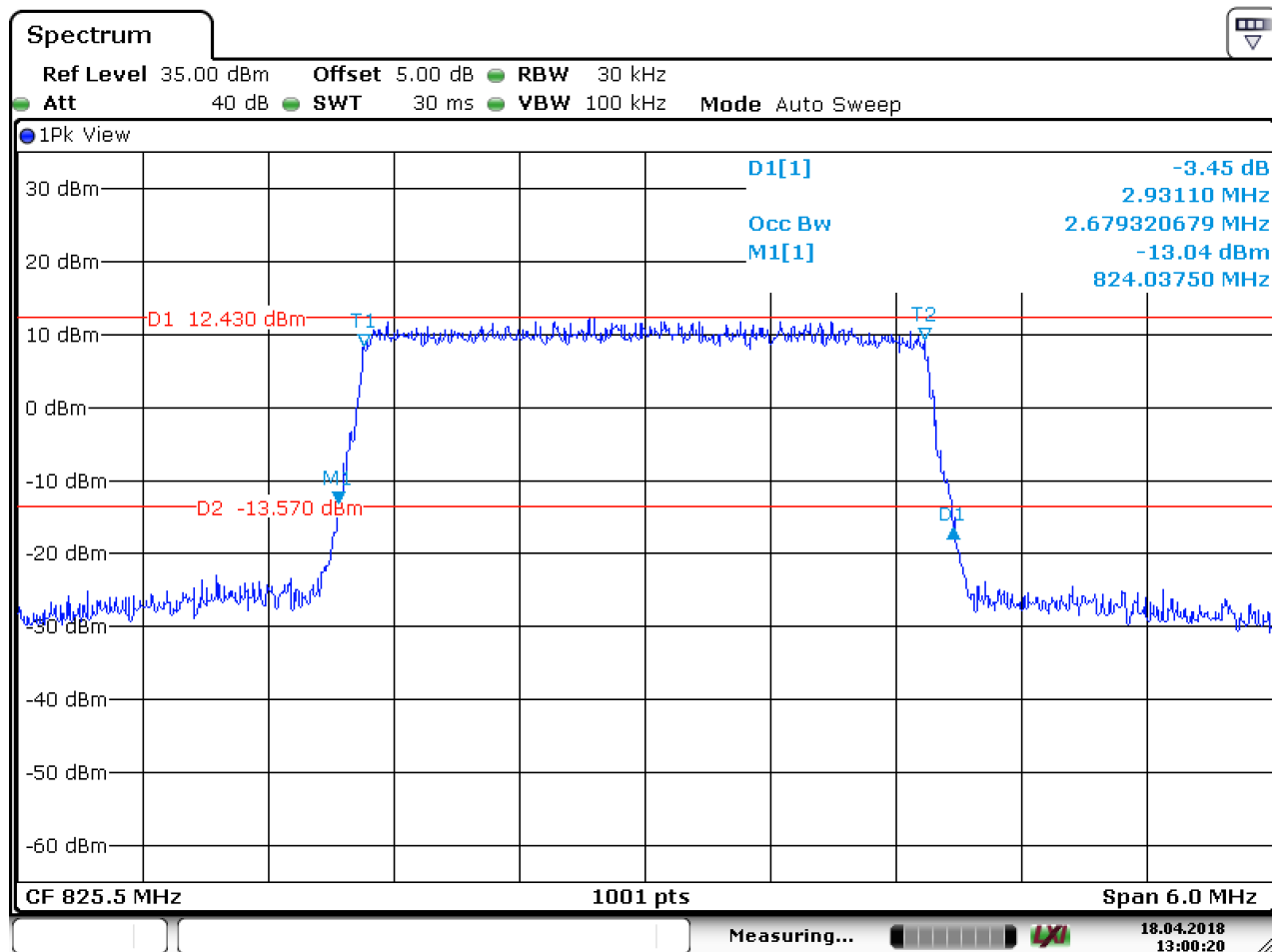


Date: 18.APR.2018 13:22:15



4.1.1.3 Test Mode = LTE/TM1 3MHz

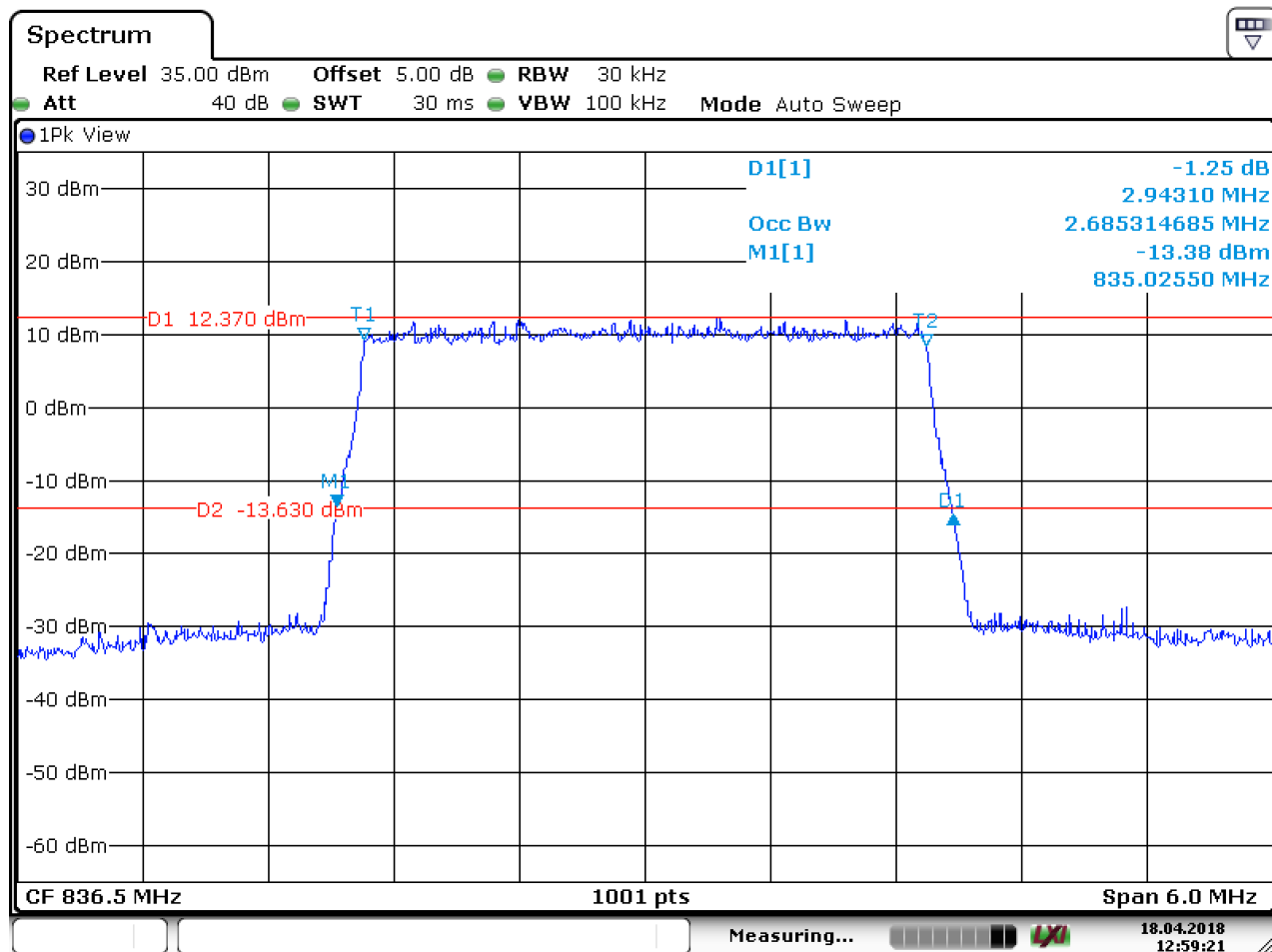
4.1.1.3.1 Test Channel = LCH



Date: 18.APR.2018 13:00:20



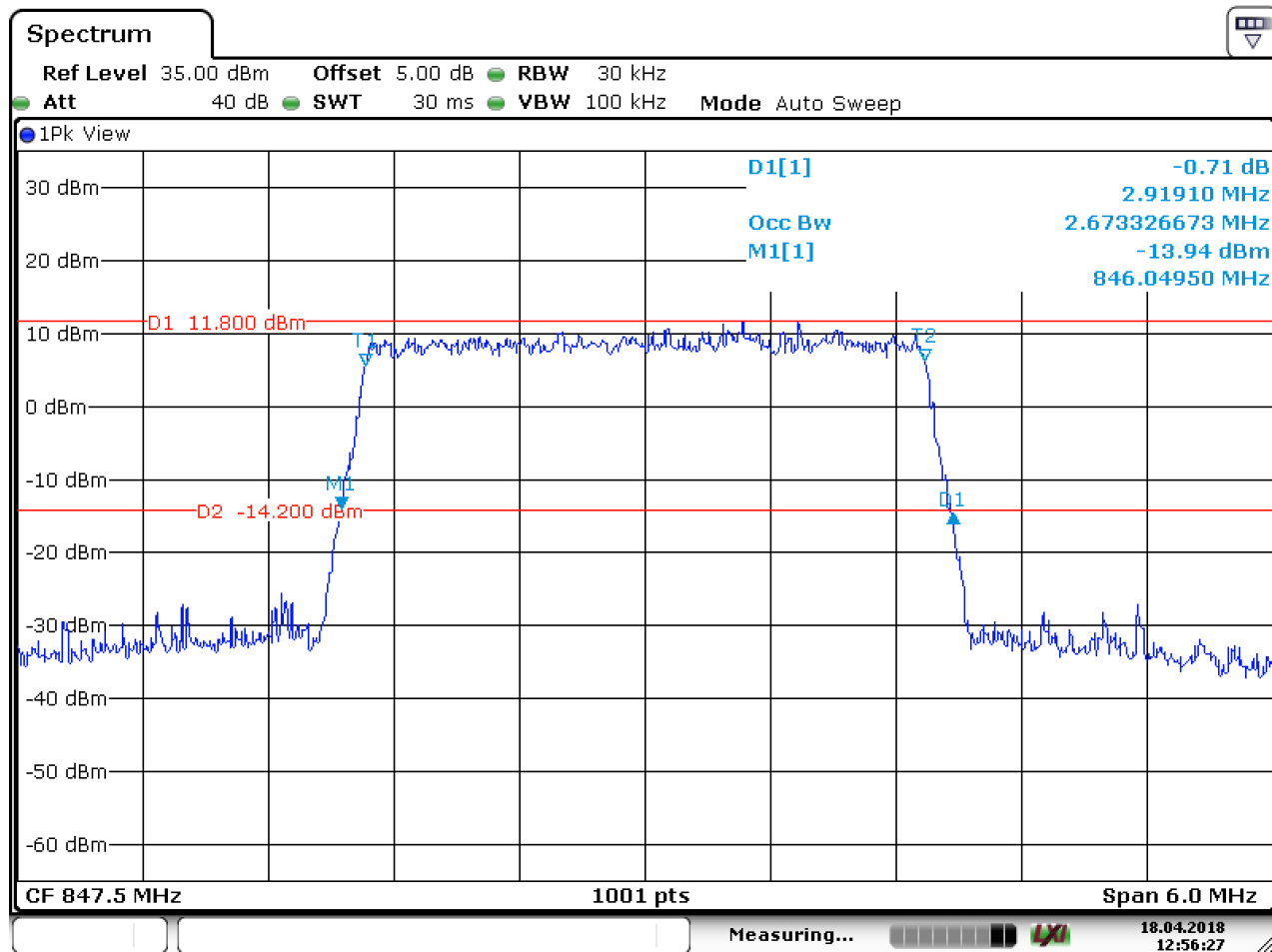
4.1.1.3.2 Test Channel = MCH



Date: 18.APR.2018 12:59:22



4.1.1.3.3 Test Channel = HCH

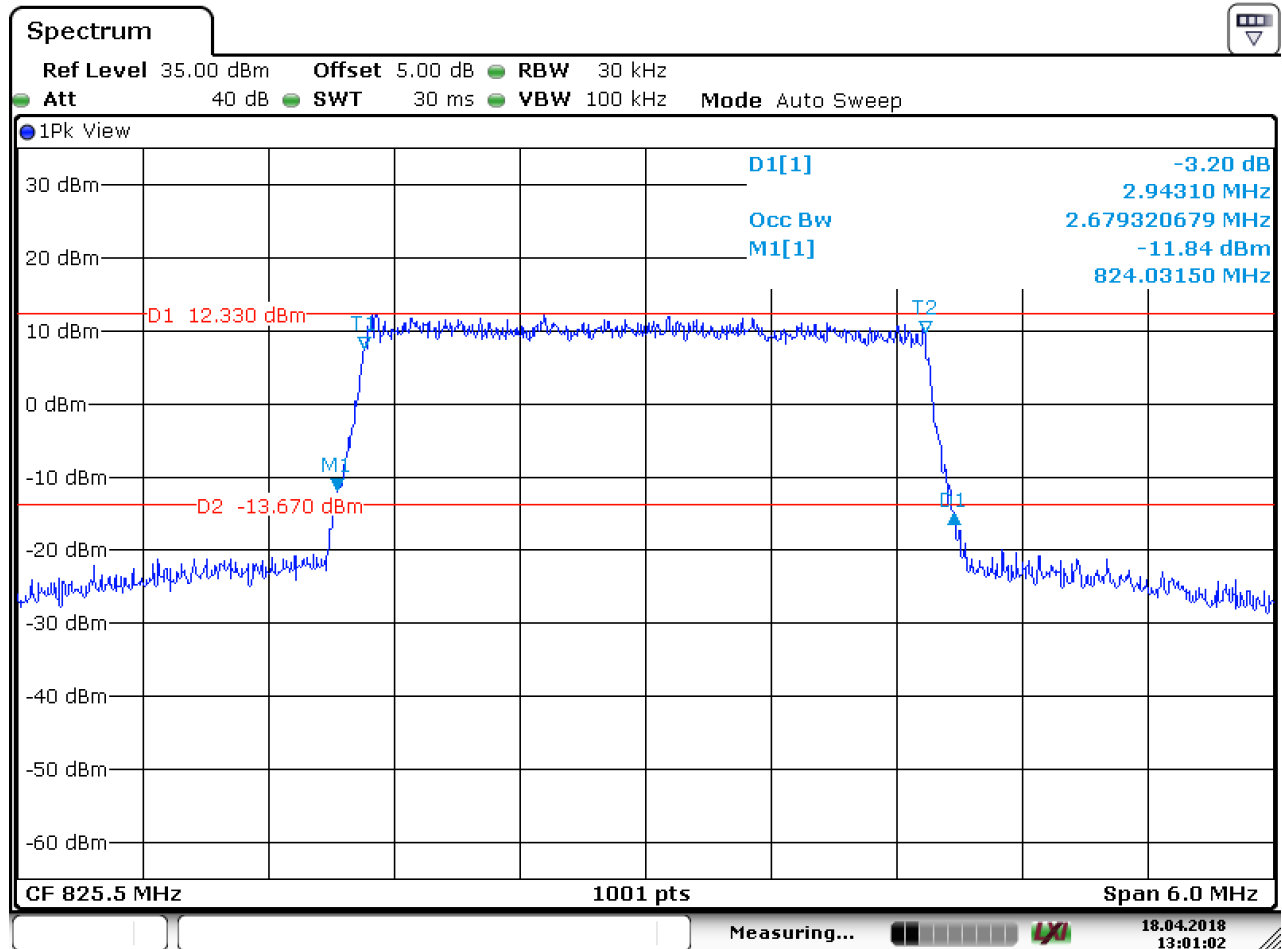


Date: 18.APR.2018 12:56:27



4.1.1.4 Test Mode = LTE/TM2 3MHz

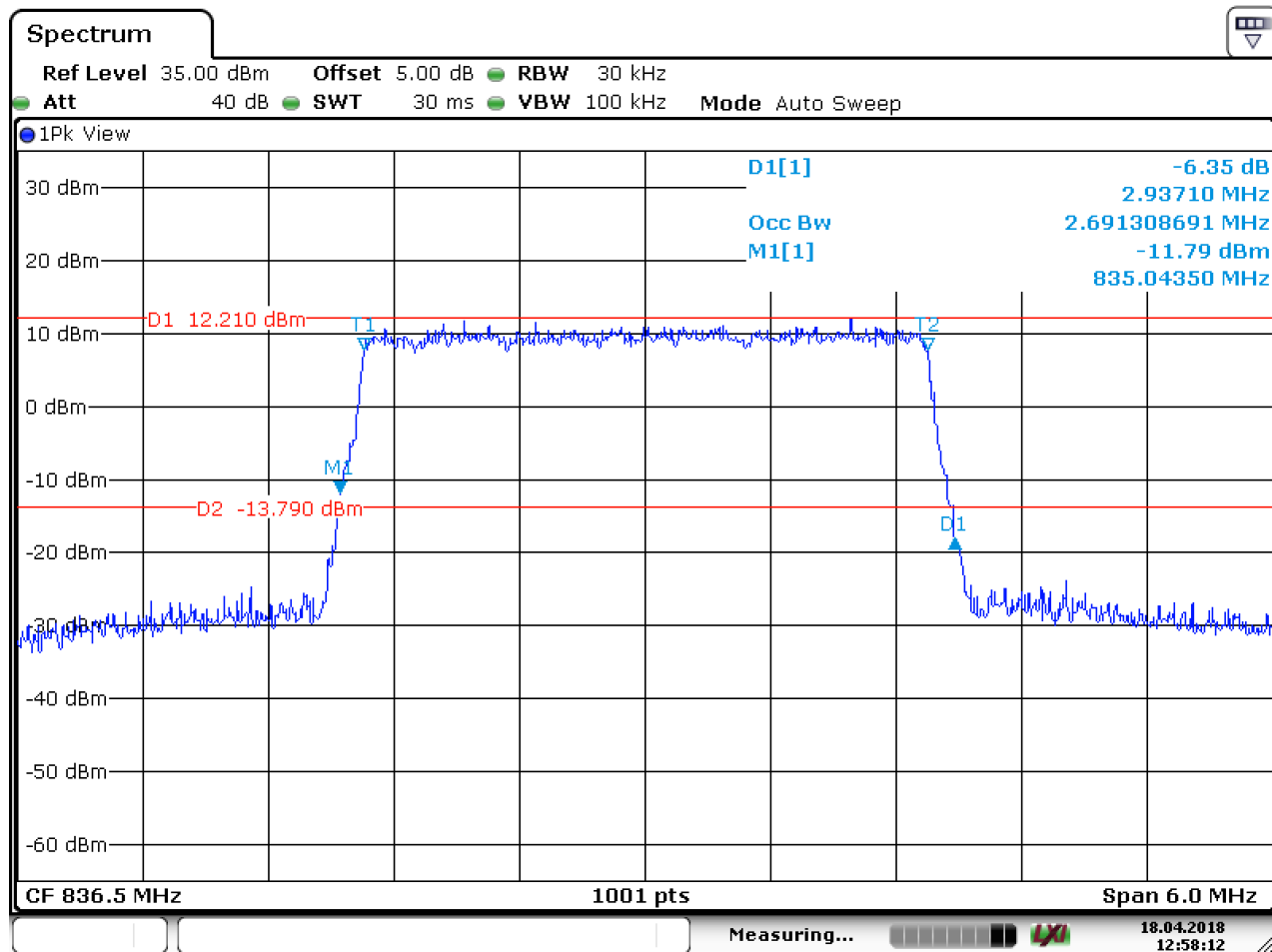
4.1.1.4.1 Test Channel = LCH



Date: 18.APR.2018 13:01:02



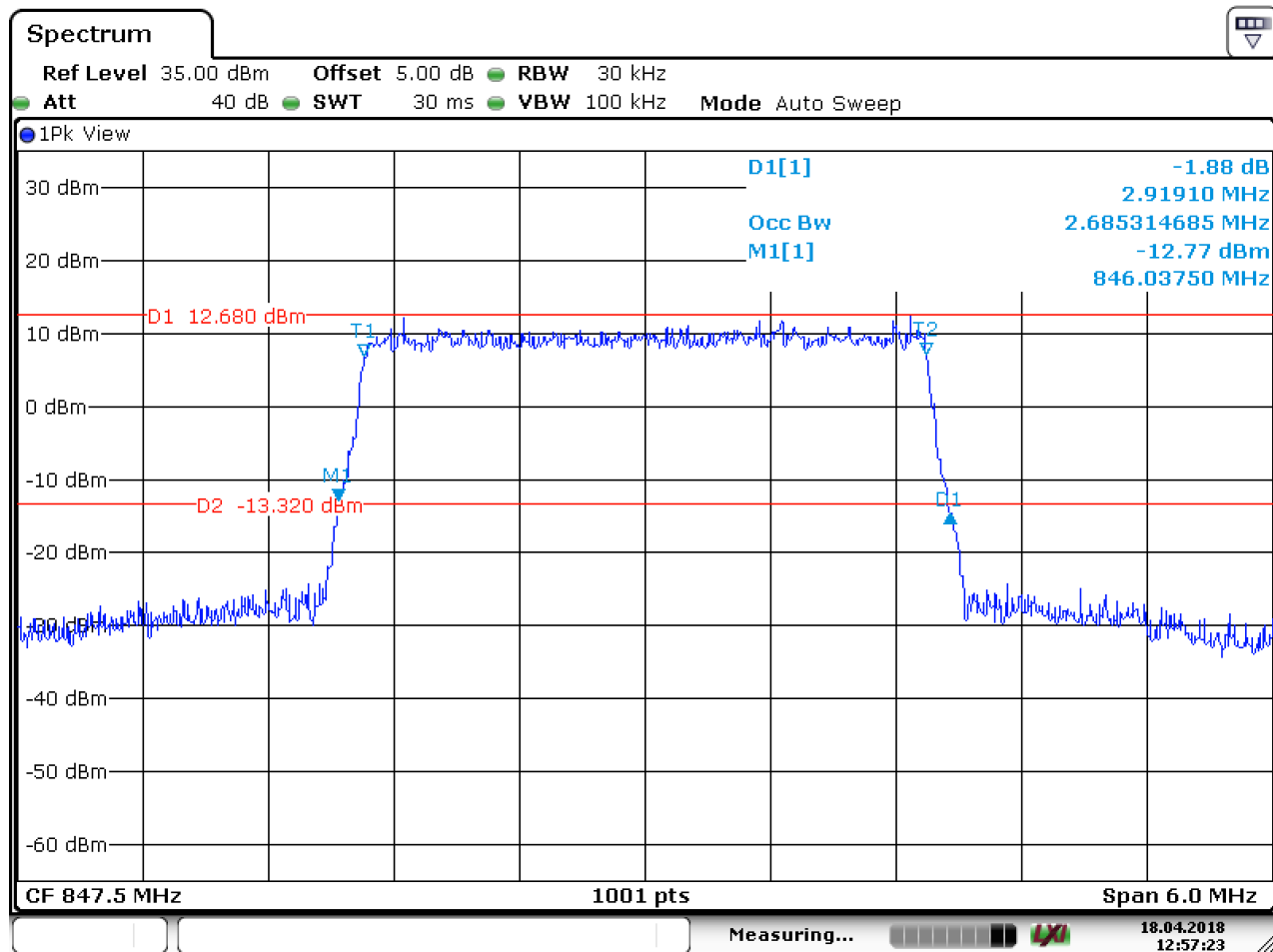
4.1.1.4.2 Test Channel = MCH



Date: 18.APR.2018 12:58:13



4.1.1.4.3 Test Channel = HCH

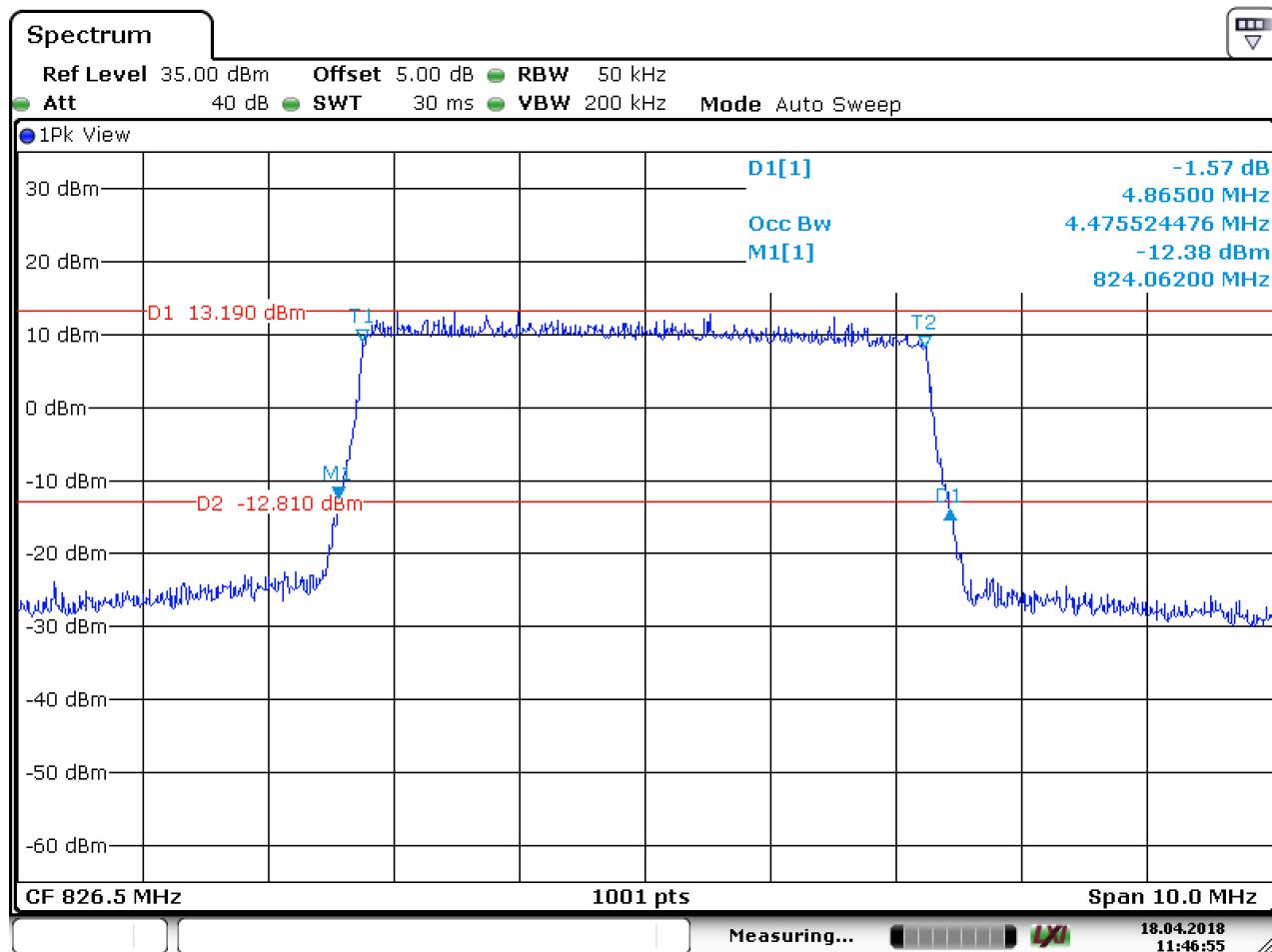


Date: 18.APR.2018 12:57:23



4.1.1.5 Test Mode = LTE/TM1 5MHz

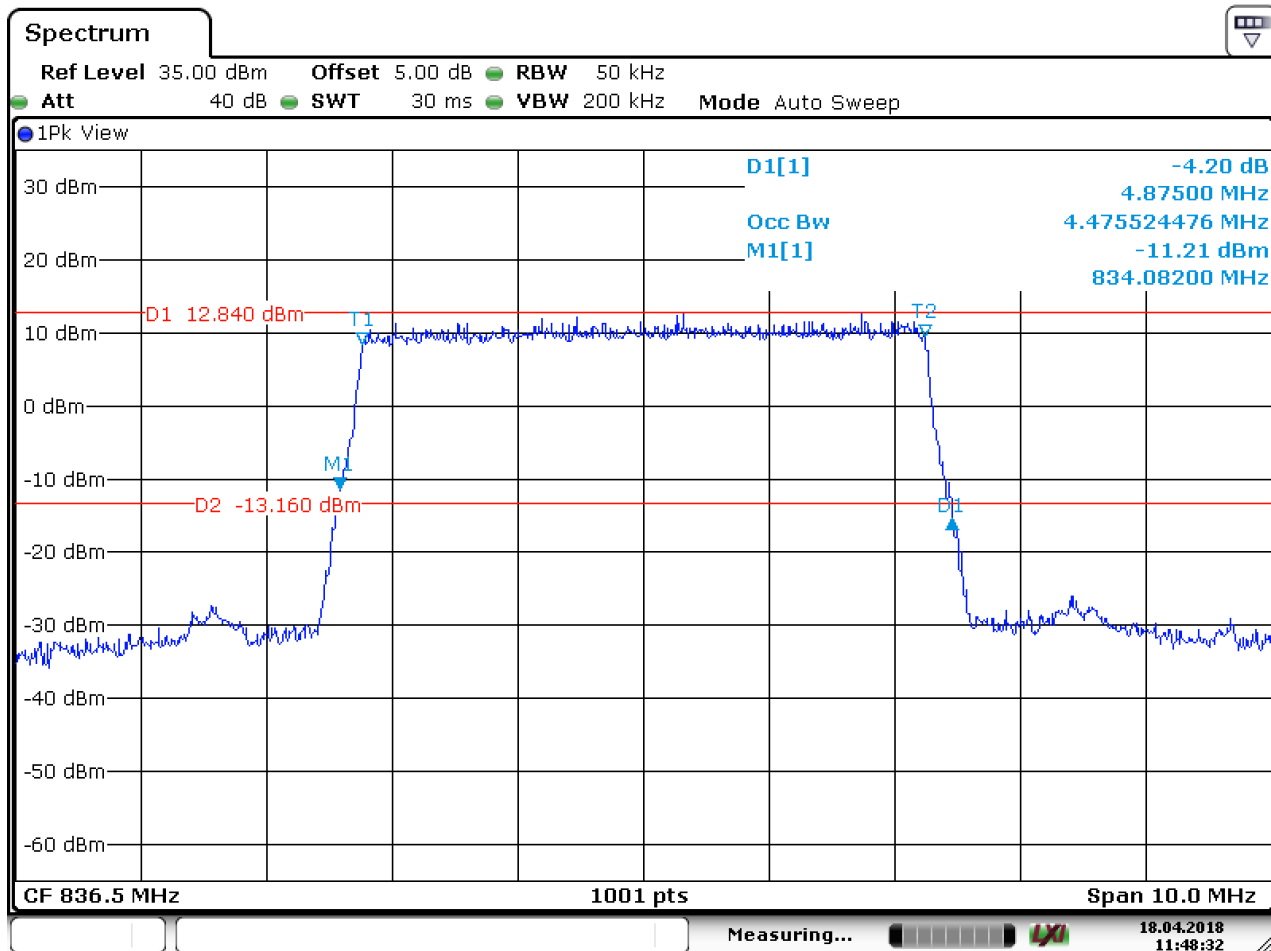
4.1.1.5.1 Test Channel = LCH



Date: 18.APR.2018 11:46:55

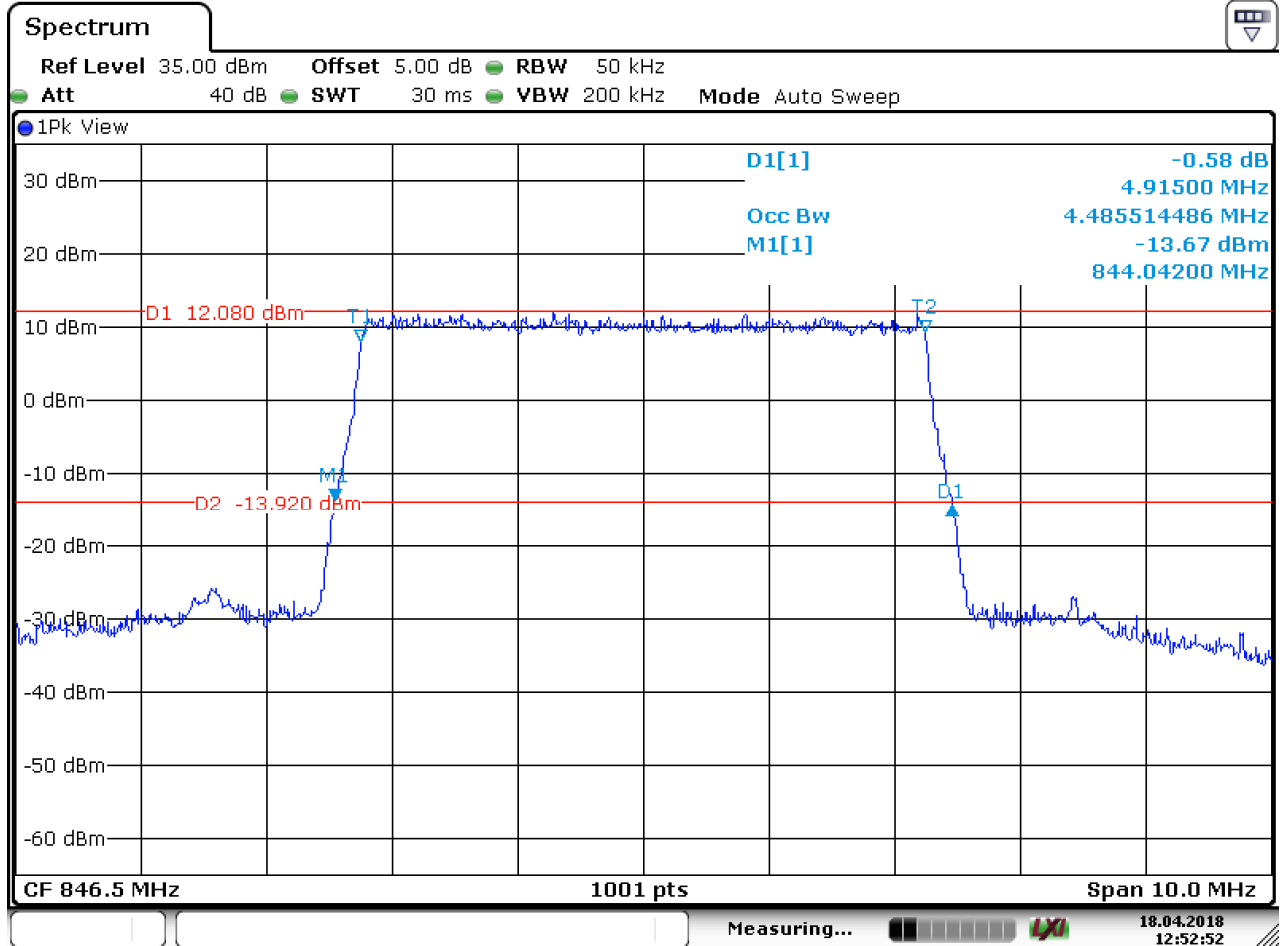


4.1.1.5.2 Test Channel = MCH



Date: 18.APR.2018 11:48:32

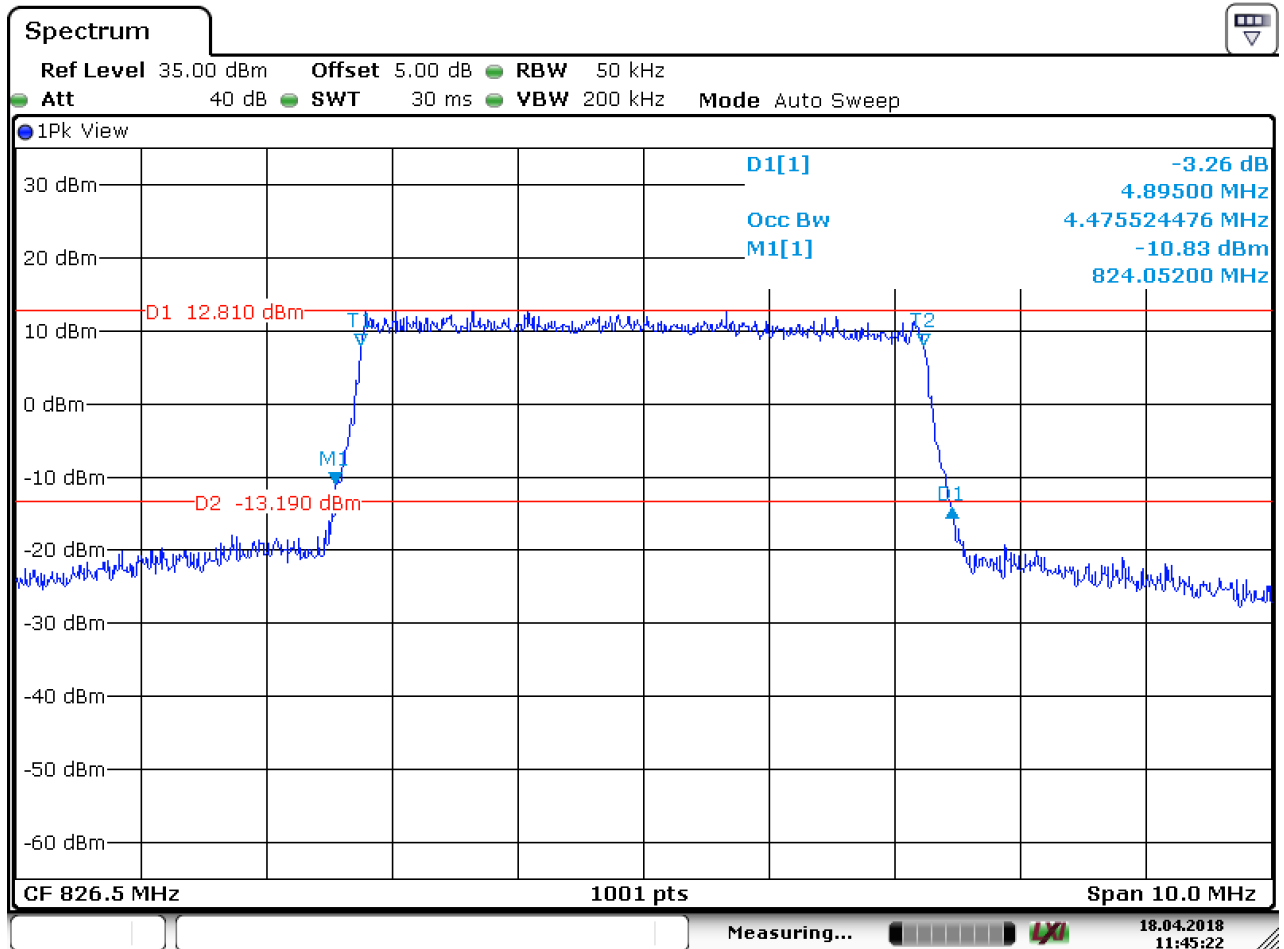
4.1.1.5.3 Test Channel = HCH



Date: 18.APR.2018 12:52:52

4.1.1.6 Test Mode = LTE/TM2 5MHz

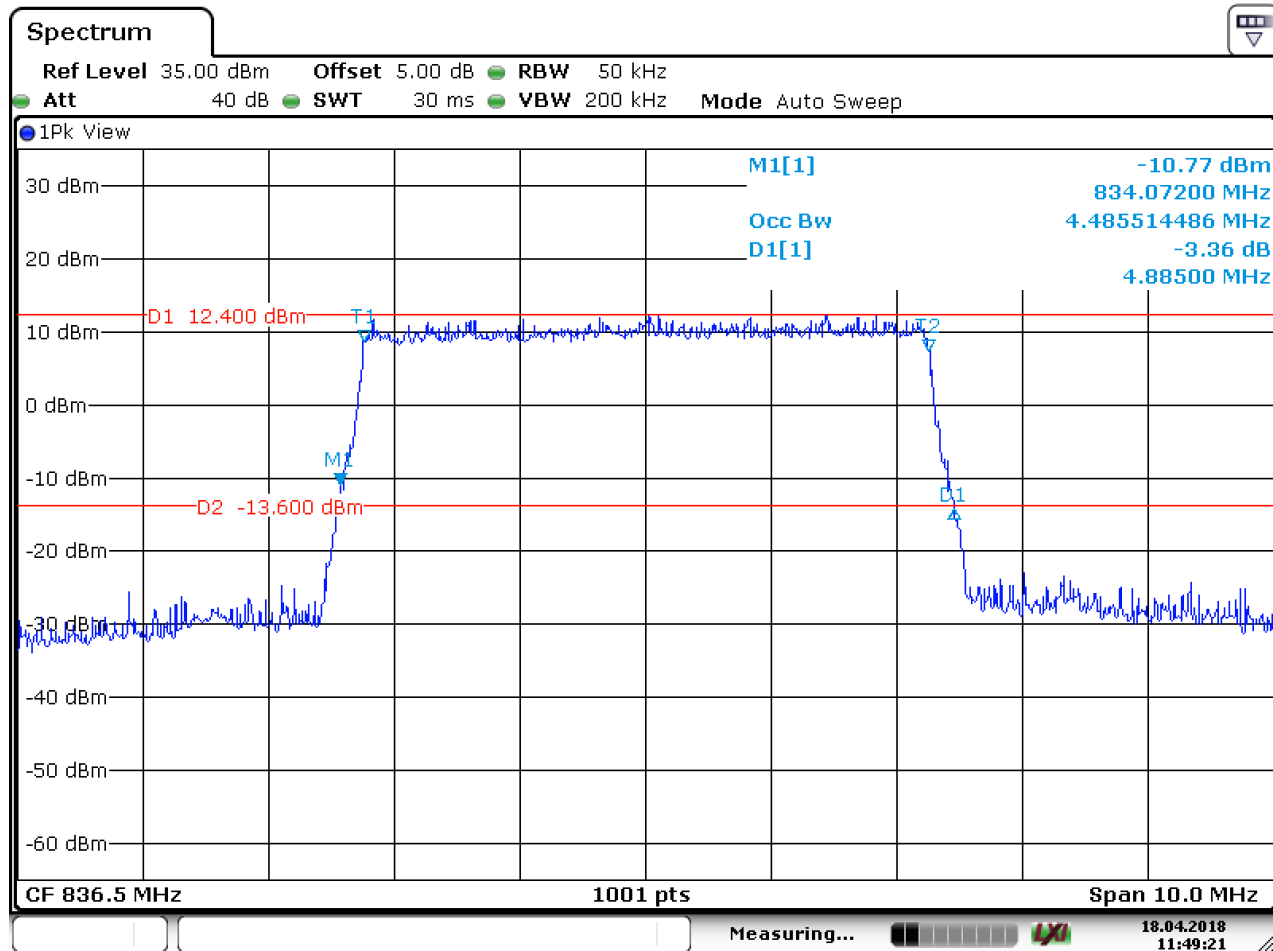
4.1.1.6.1 Test Channel = LCH



Date: 18.APR.2018 11:45:22



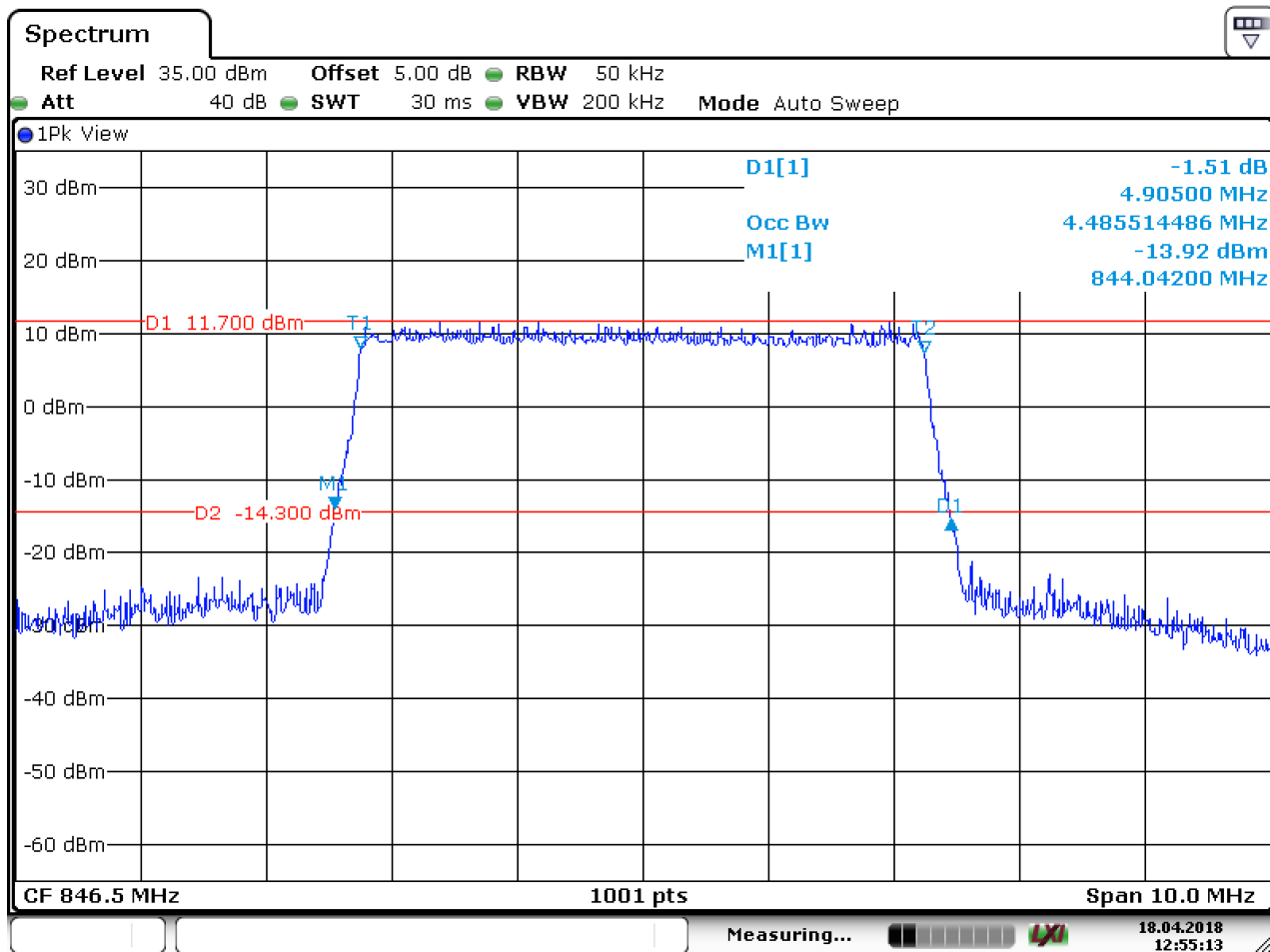
4.1.1.6.2 Test Channel = MCH



Date: 18.APR.2018 11:49:22



4.1.1.6.3 Test Channel = HCH

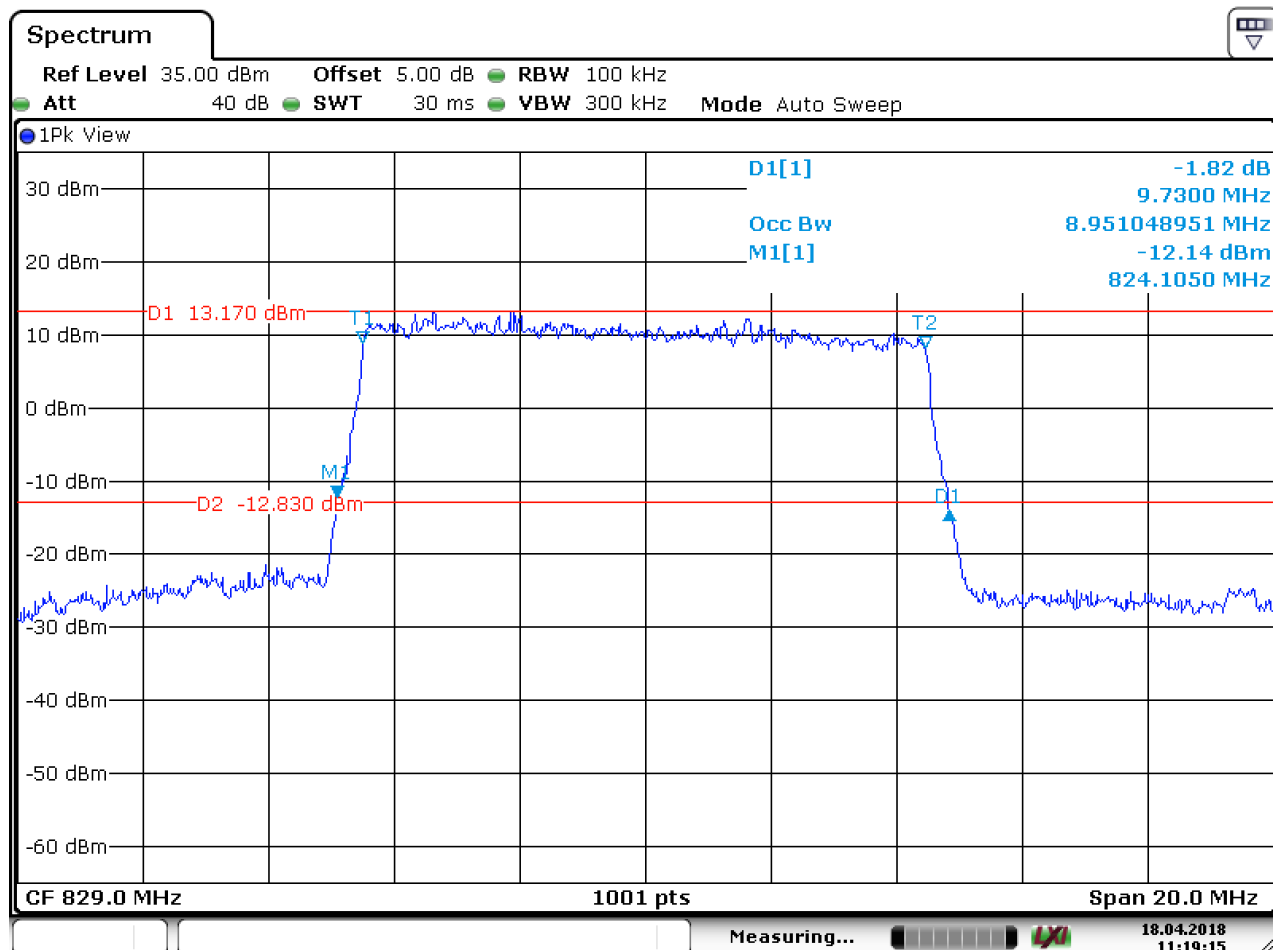


Date: 18.APR.2018 12:55:13



4.1.1.7 Test Mode = LTE/TM1 10MHz

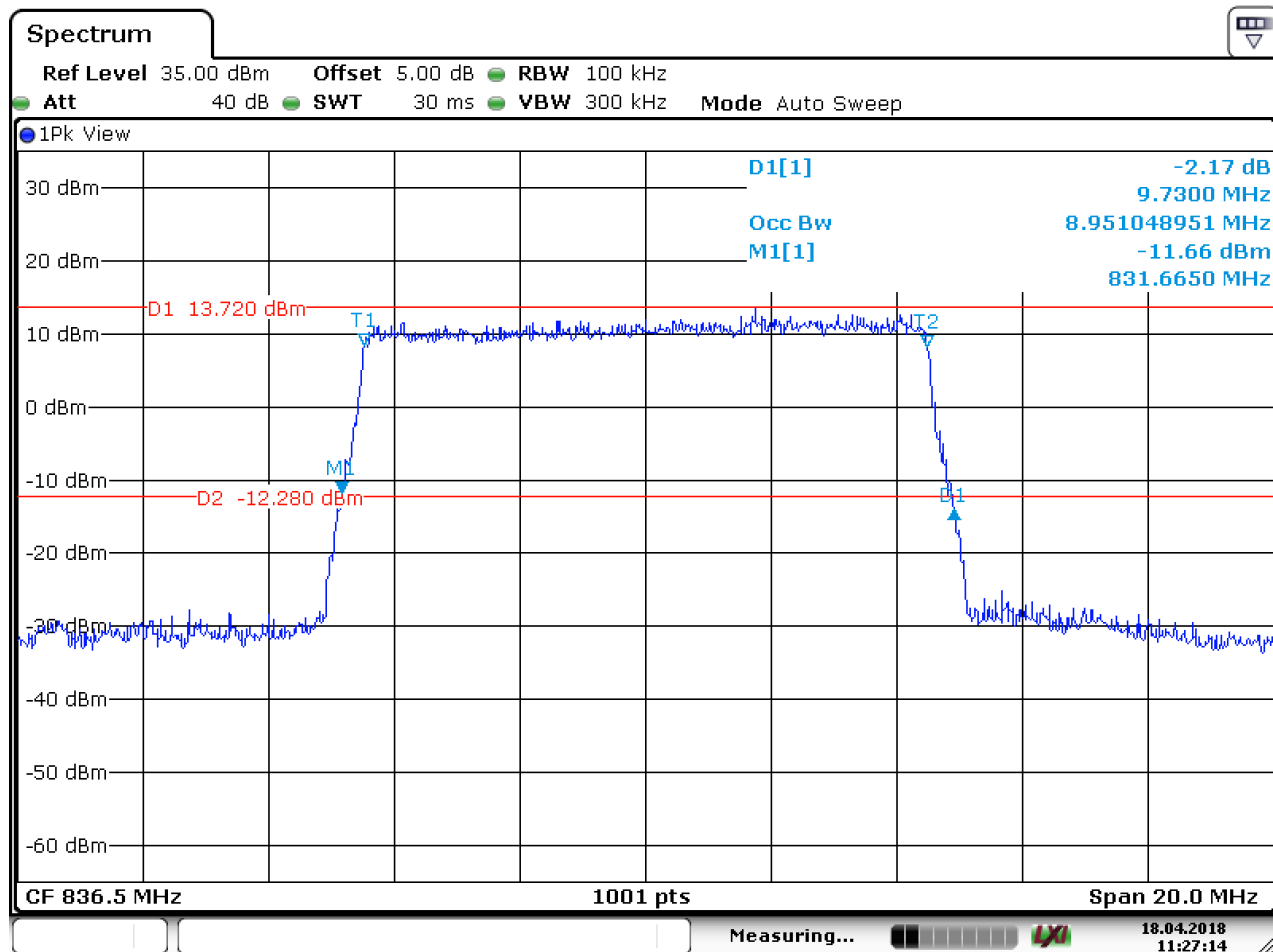
4.1.1.7.1 Test Channel = LCH



Date: 18.APR.2018 11:19:16



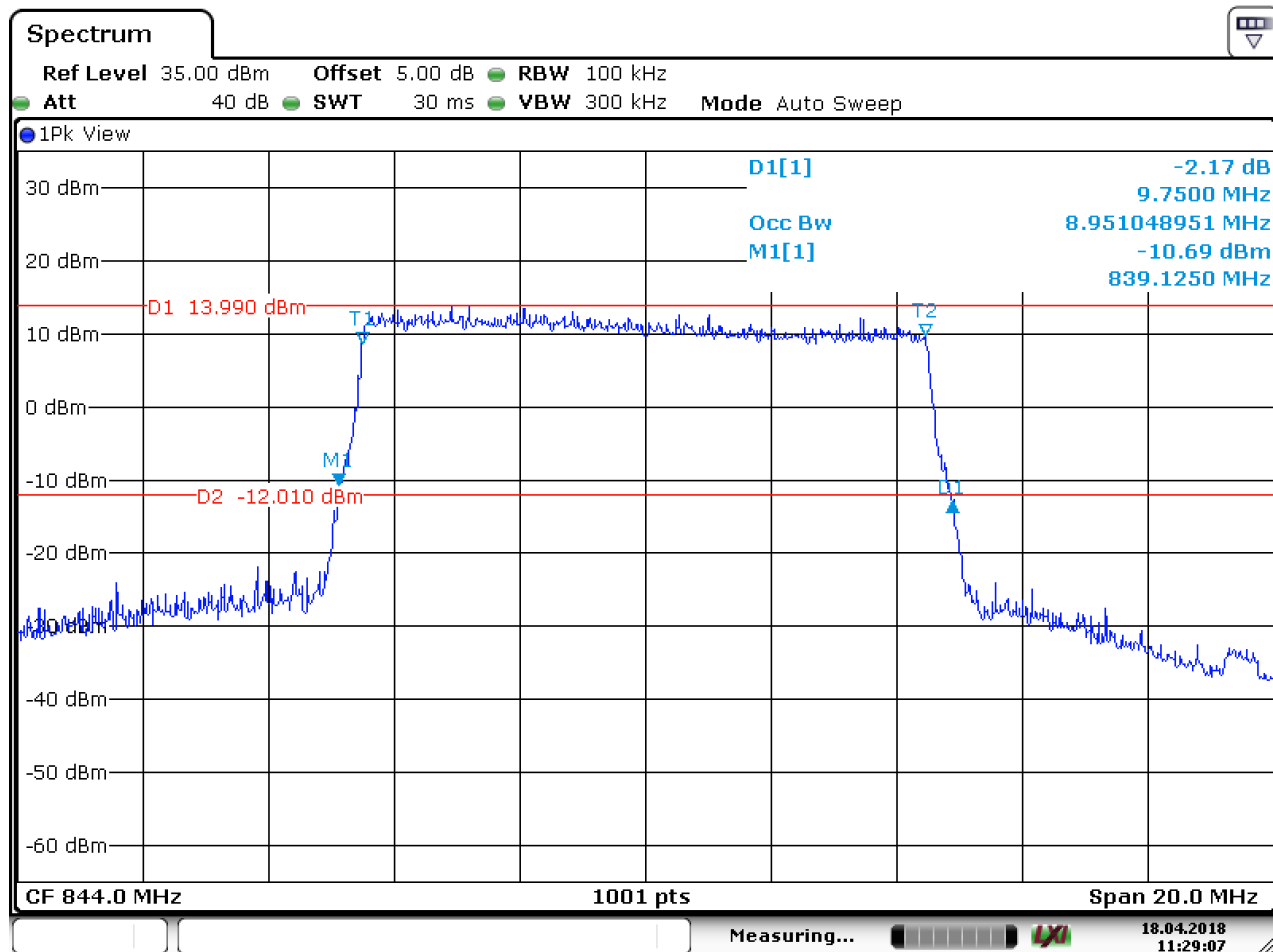
4.1.1.7.2 Test Channel = MCH



Date: 18.APR.2018 11:27:14



4.1.1.7.3 Test Channel = HCH

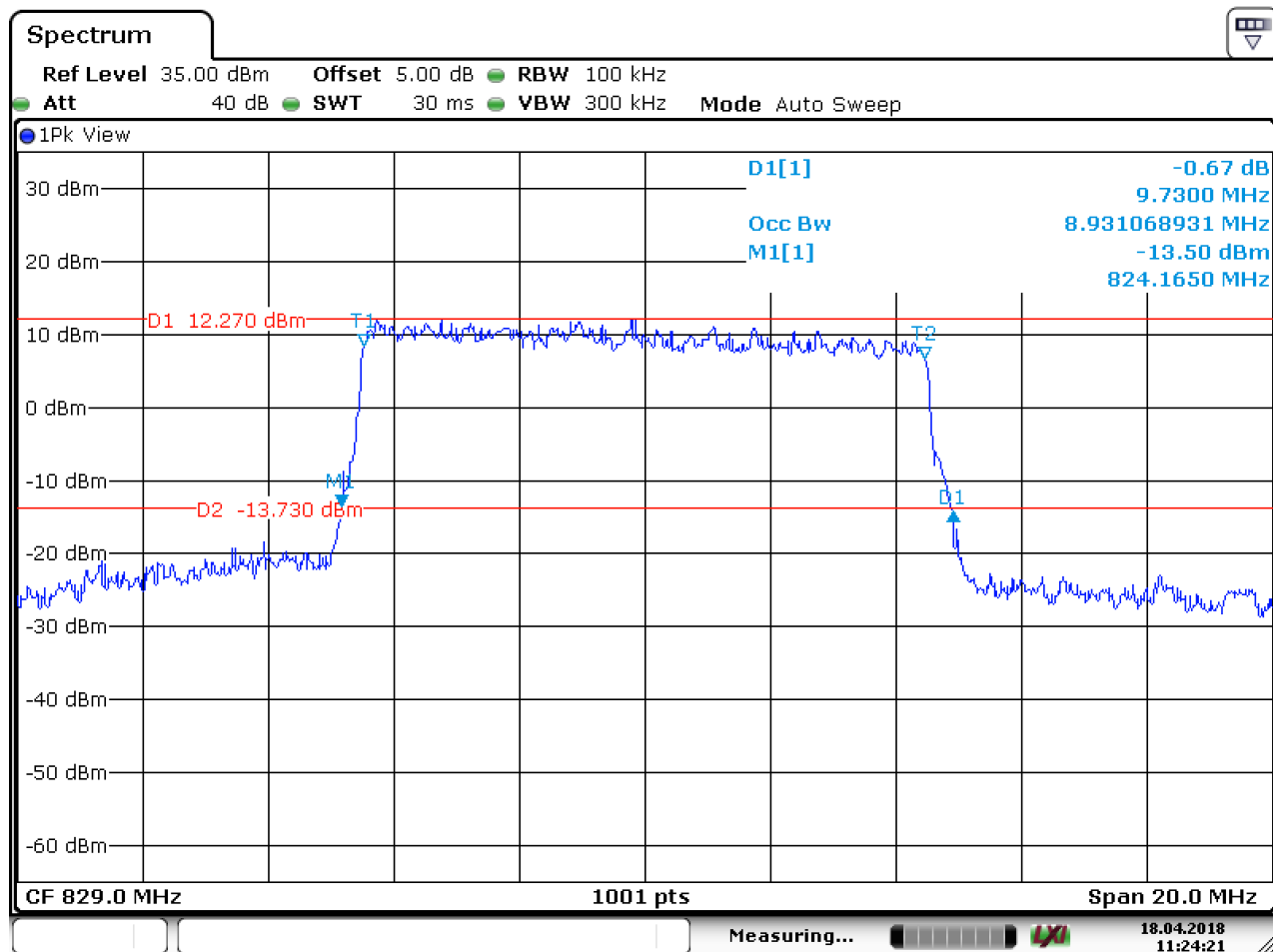


Date: 18.APR.2018 11:29:08



4.1.1.8 Test Mode = LTE/TM2 10MHz

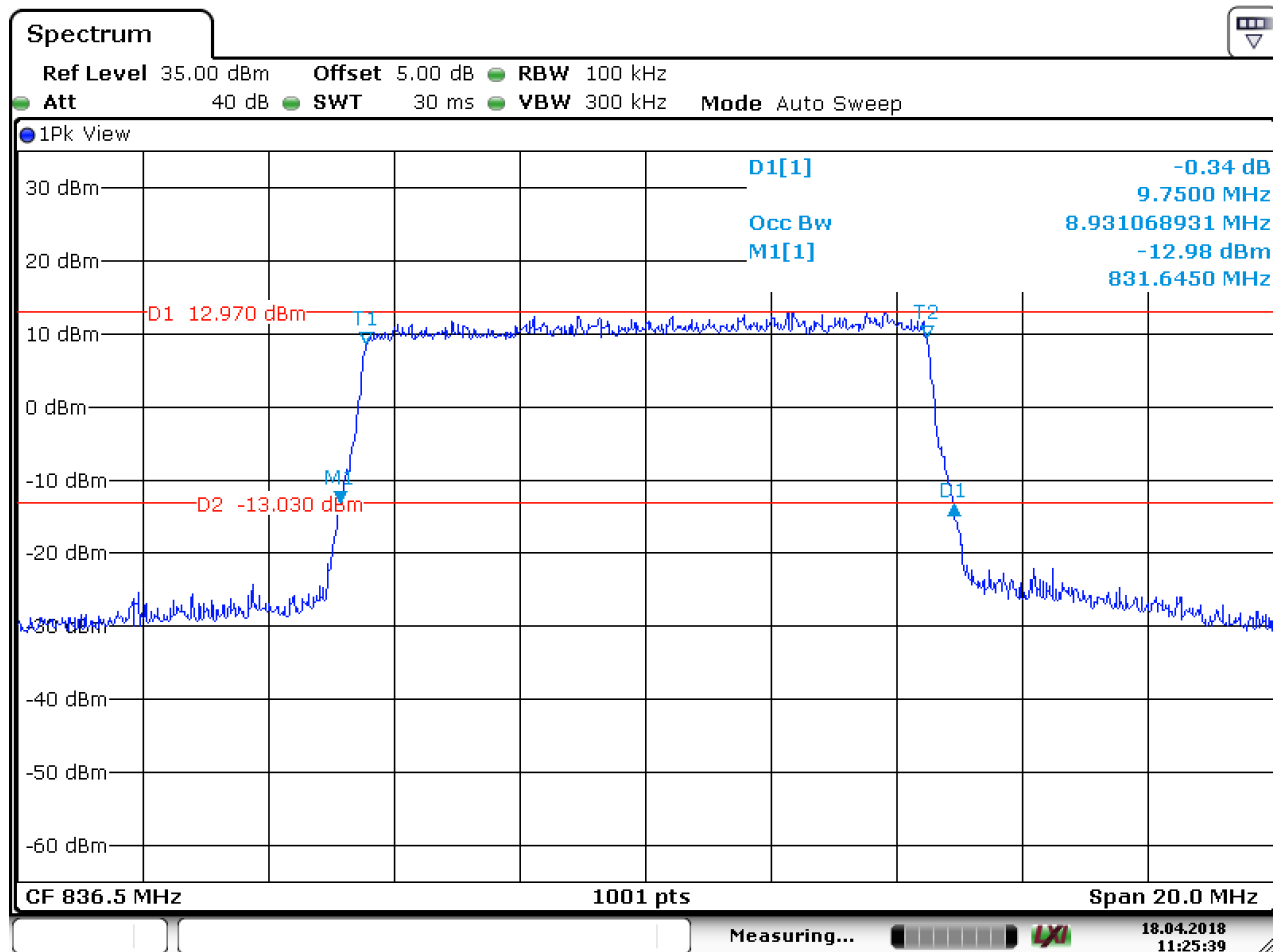
4.1.1.8.1 Test Channel = LCH



Date: 18.APR.2018 11:24:20



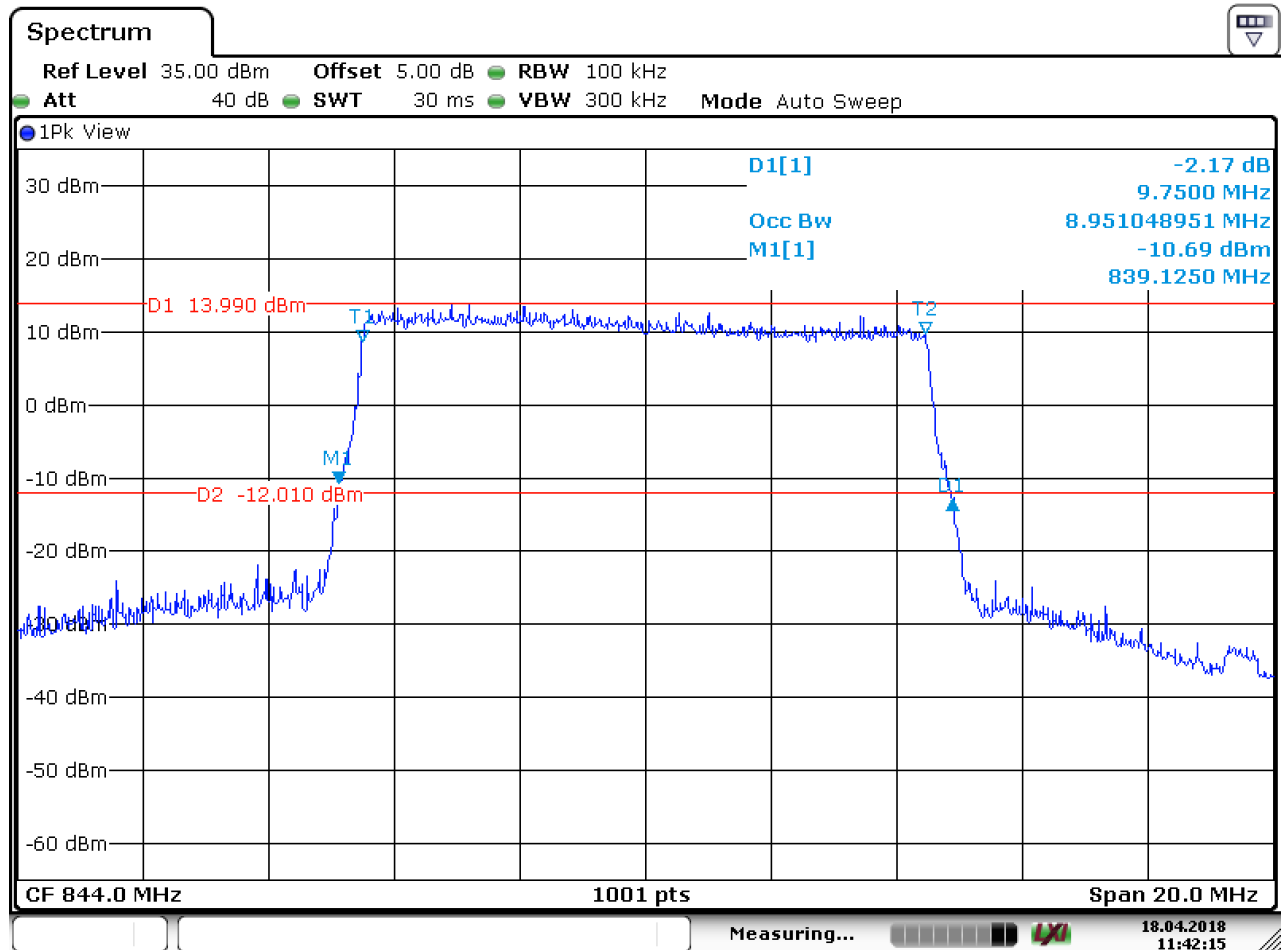
4.1.1.8.2 Test Channel = MCH



Date: 18.APR.2018 11:25:39



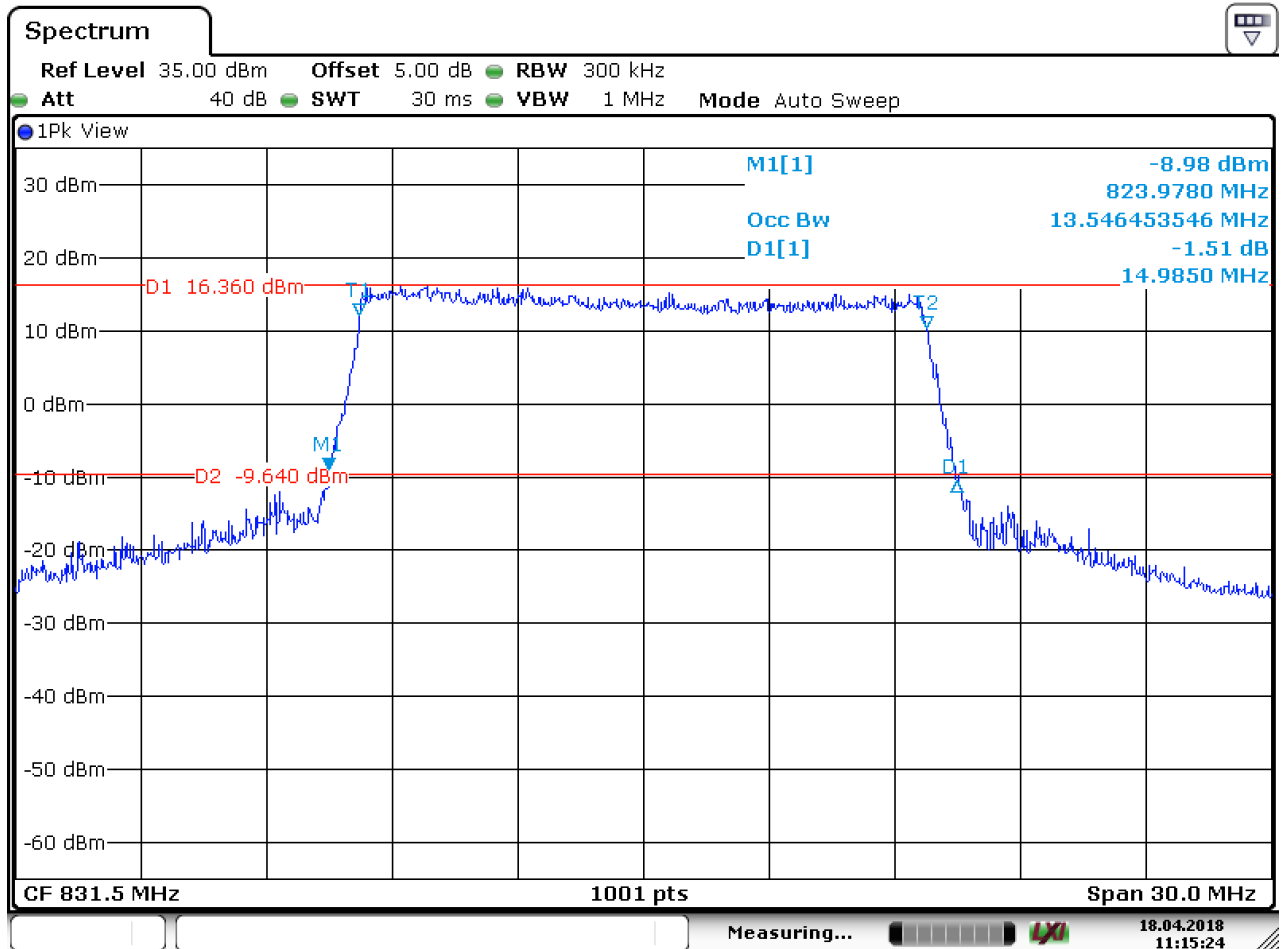
4.1.1.8.3 Test Channel = HCH



Date: 18.APR.2018 11:42:16

4.1.1.9 Test Mode = LTE/TM1 15MHz

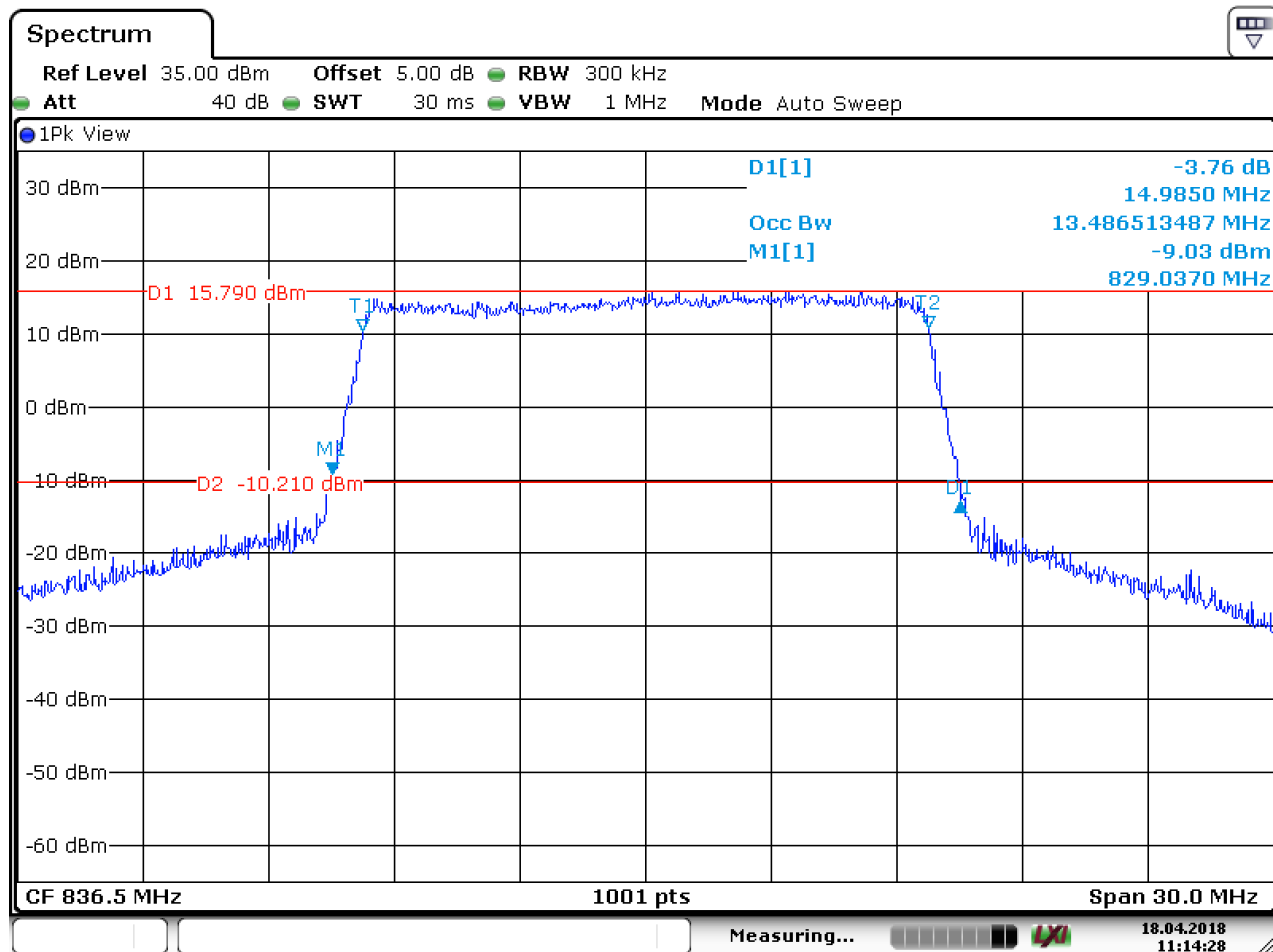
4.1.1.9.1 Test Channel = LCH



Date: 18.APR.2018 11:15:25



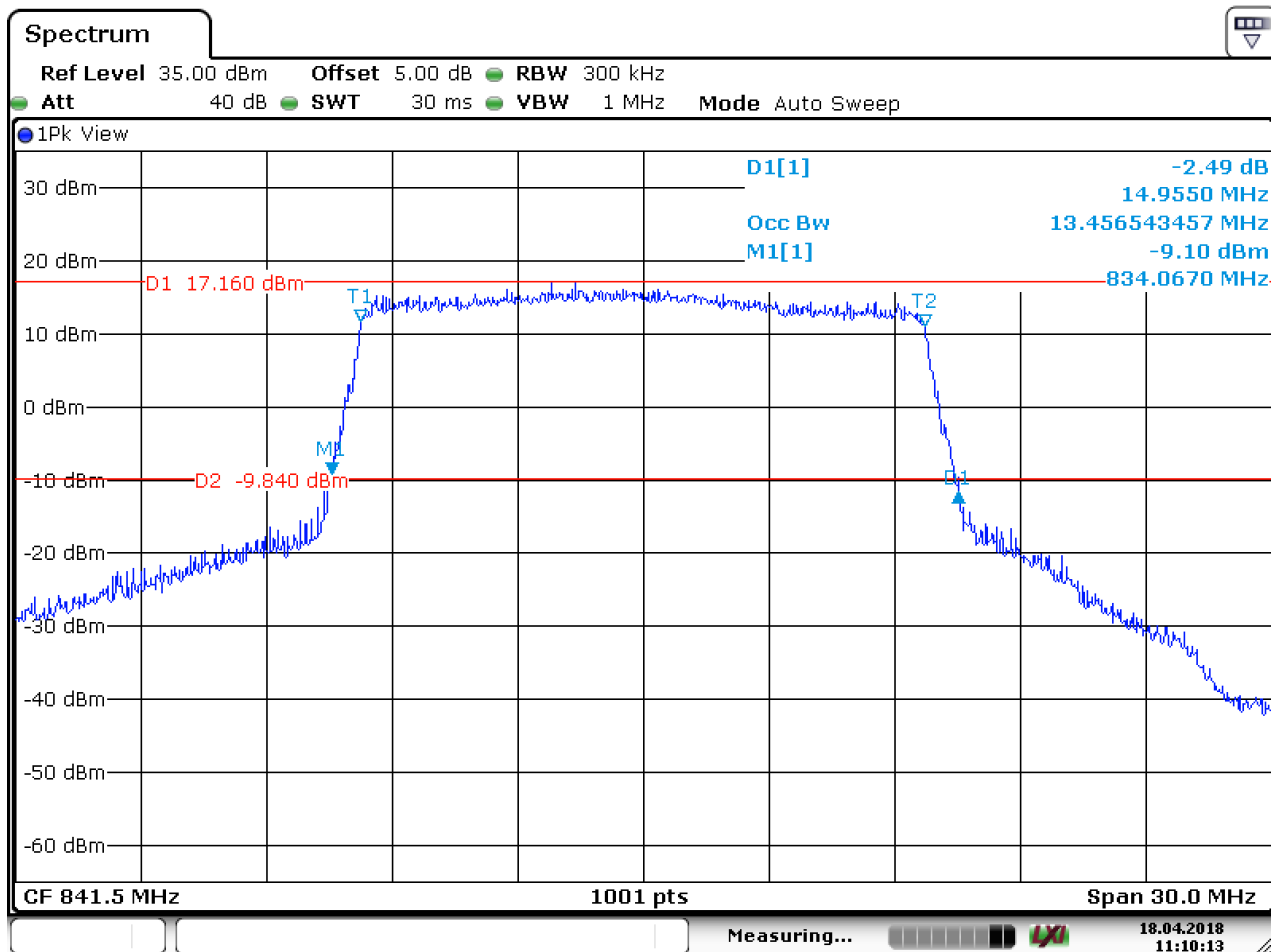
4.1.1.9.2 Test Channel = MCH



Date: 18.APR.2018 11:14:28



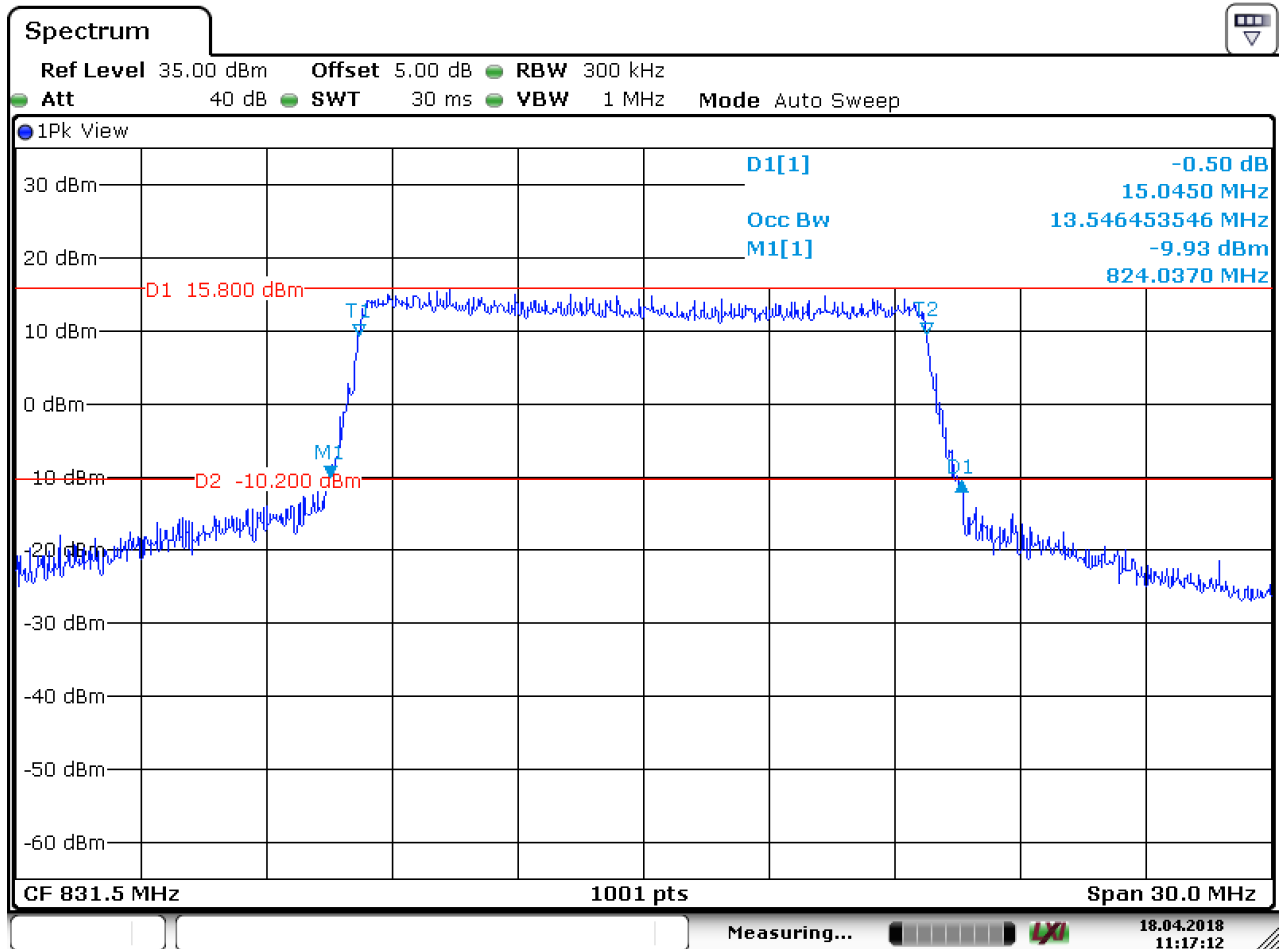
4.1.1.9.3 Test Channel = HCH



Date: 18.APR.2018 11:10:13

4.1.1.10 Test Mode = LTE/TM2 15MHz

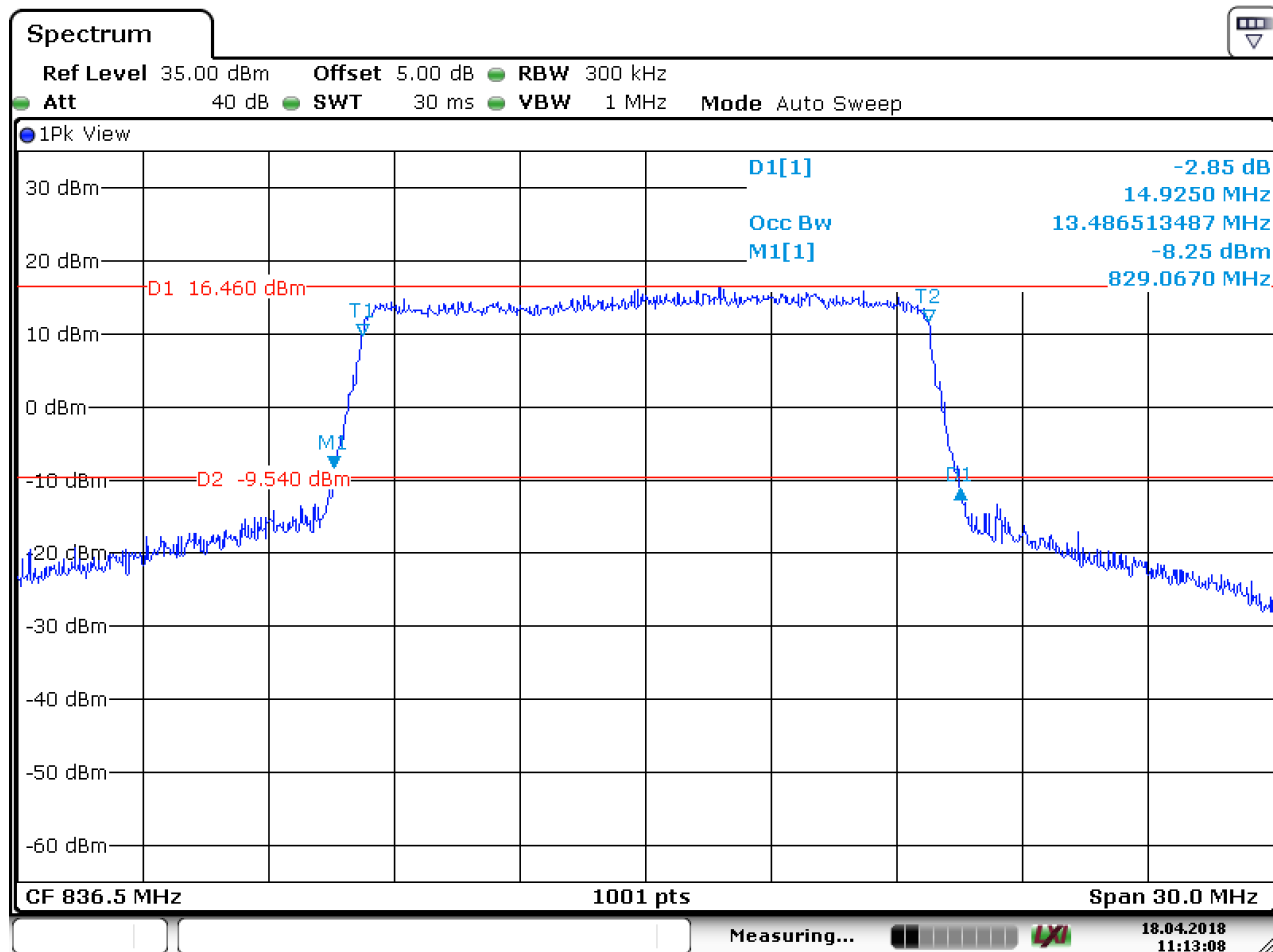
4.1.1.10.1 Test Channel = LCH



Date: 18.APR.2018 11:17:11



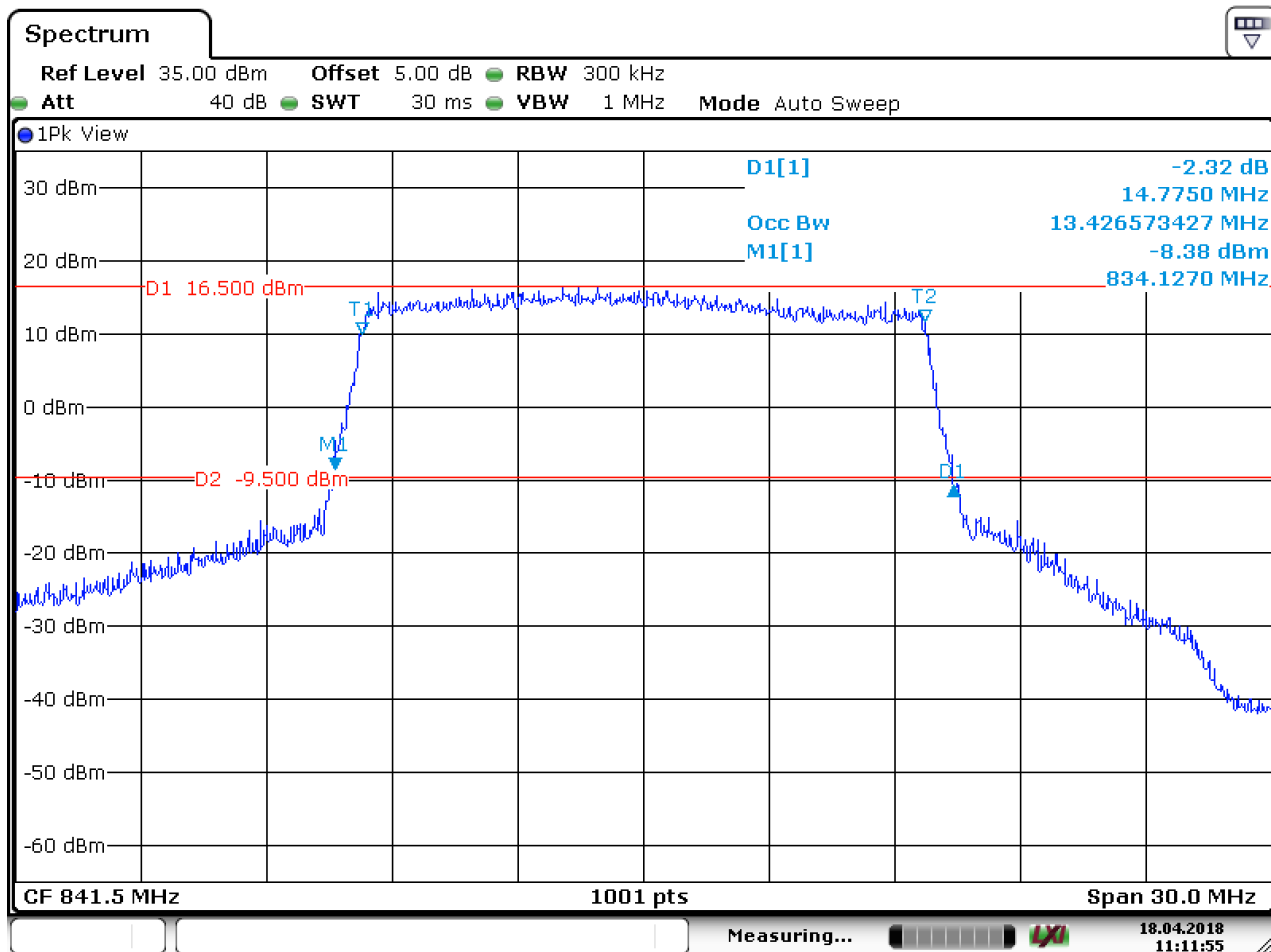
4.1.1.10.2 Test Channel = MCH



Date: 18.APR.2018 11:13:08



4.1.1.10.3 Test Channel = HCH



Date: 18.APR.2018 11:11:56

5 Band Edges Compliance

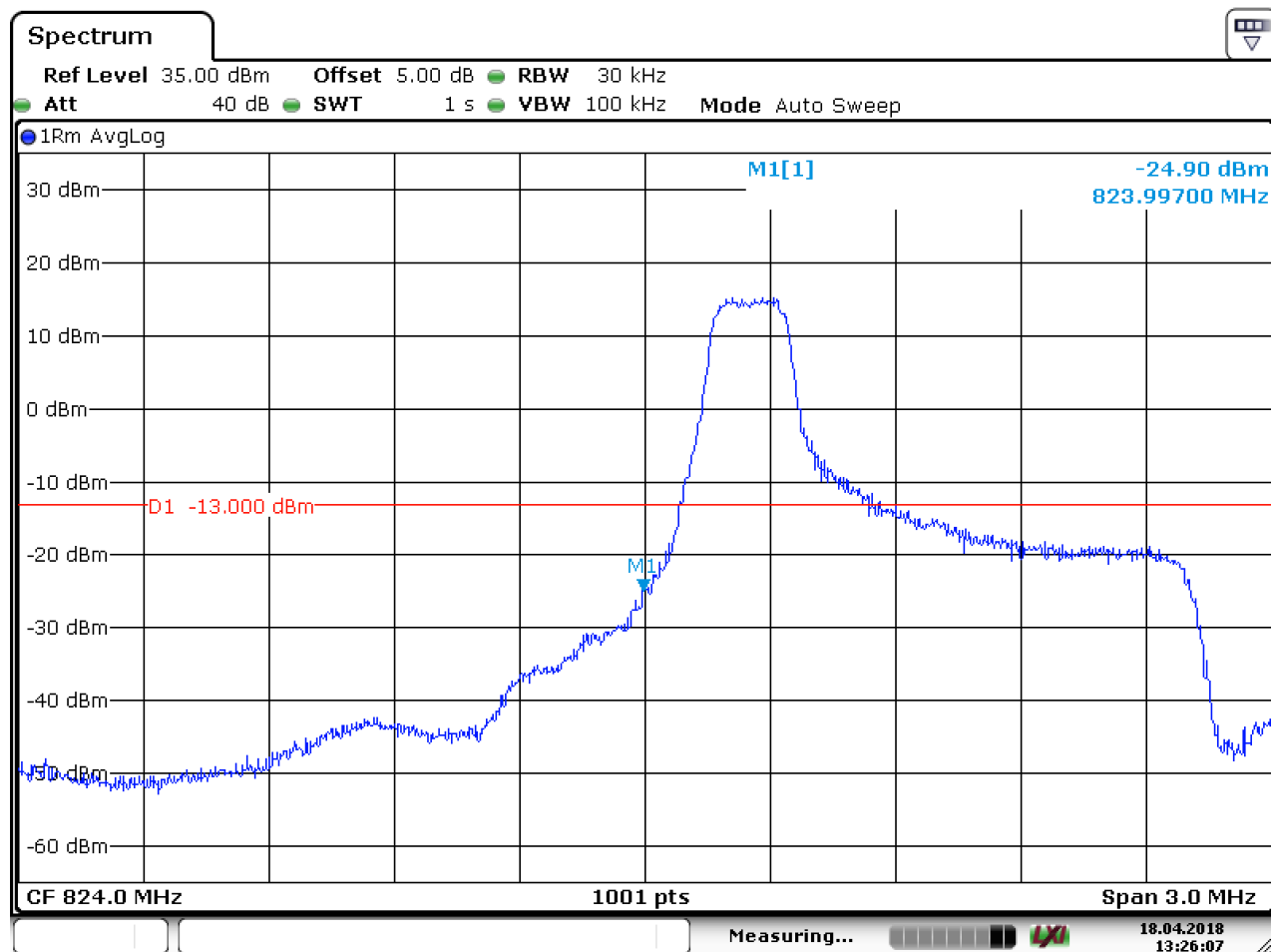
5.1 For LTE

5.1.1 Test Band = LTE band26

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

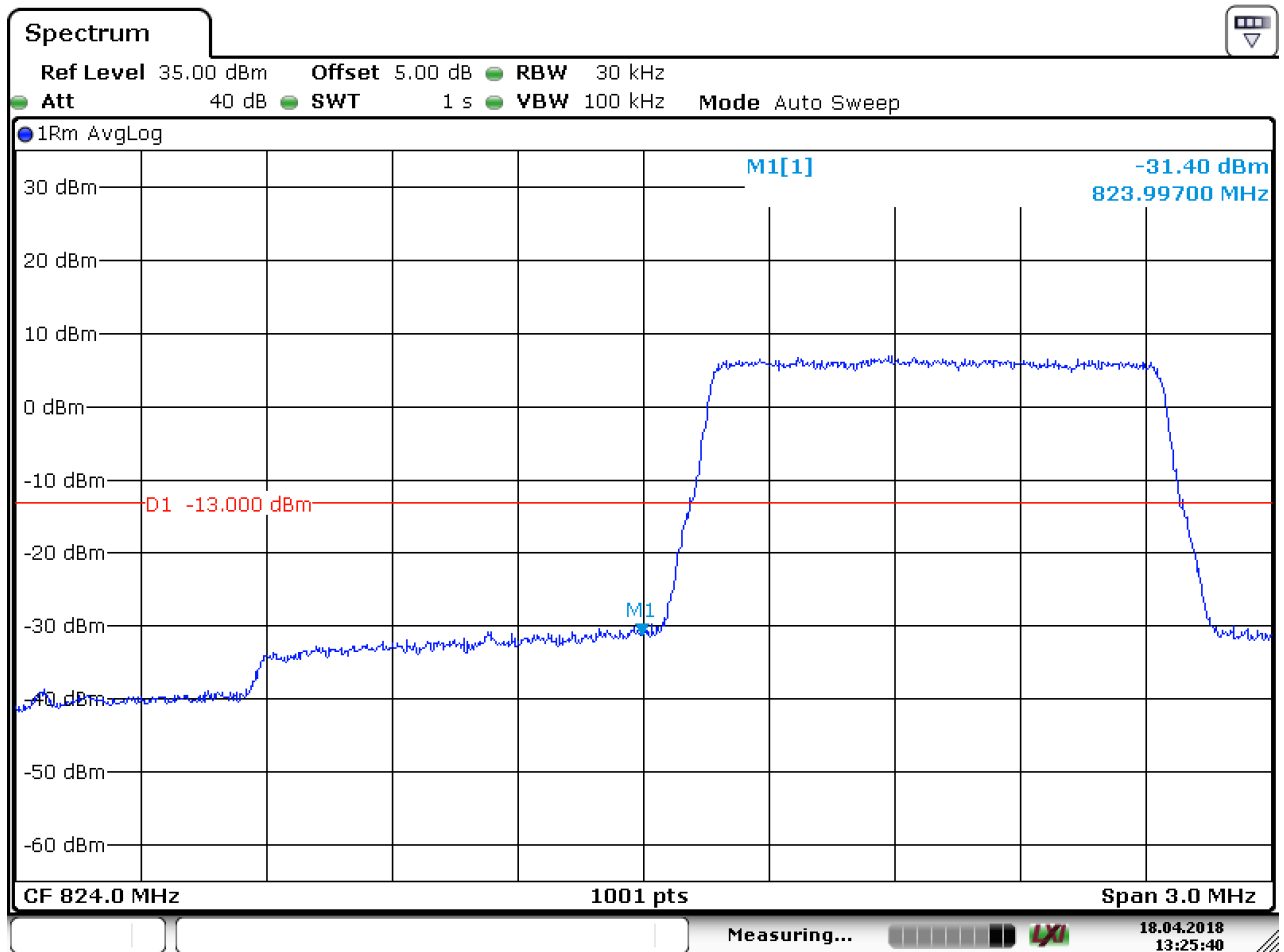
5.1.1.1.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:26:07



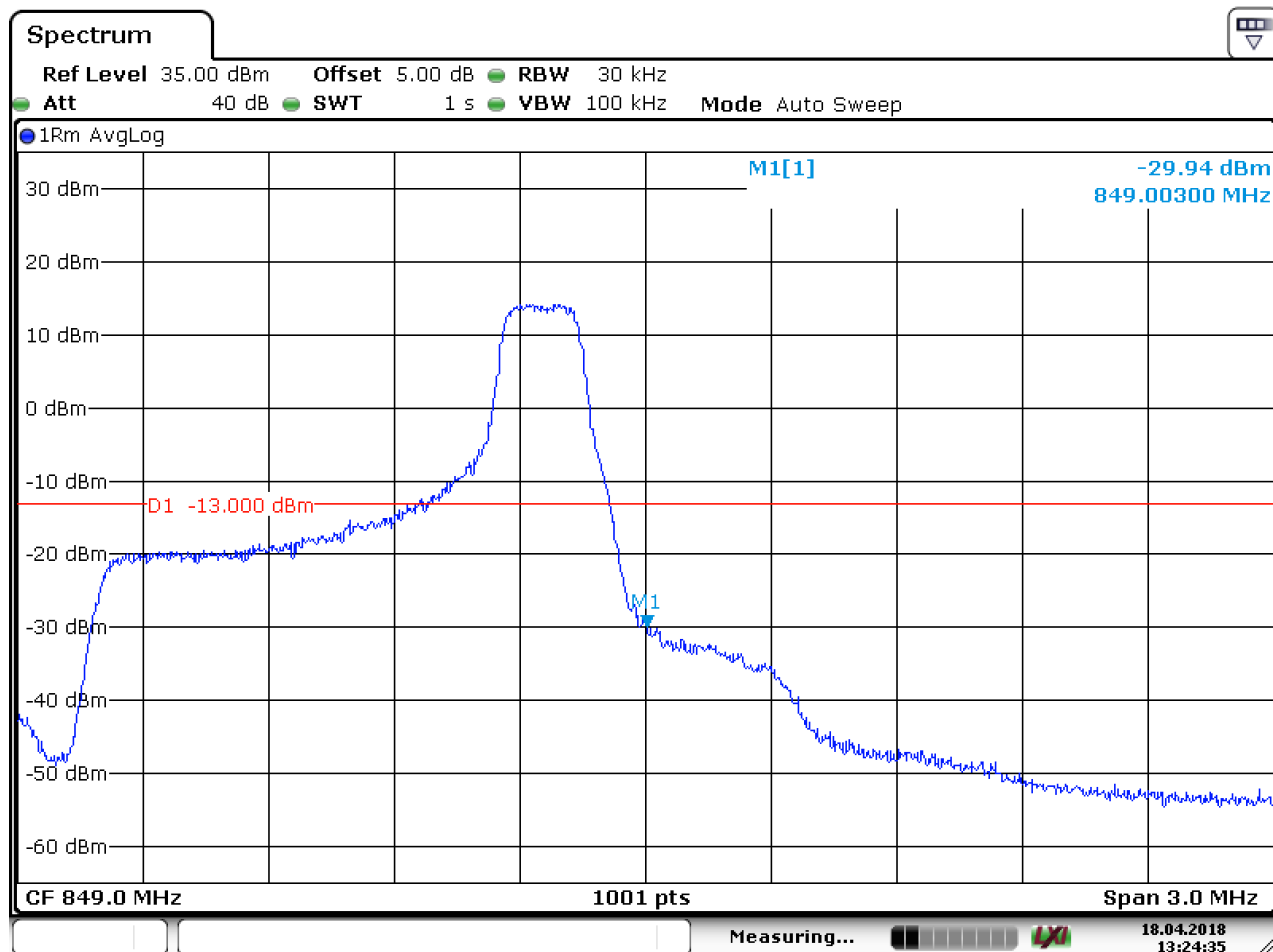
5.1.1.1.2 Test RB=6RB#0



Date: 18.APR.2018 13:25:40

5.1.1.1.2 Test Channel = HCH

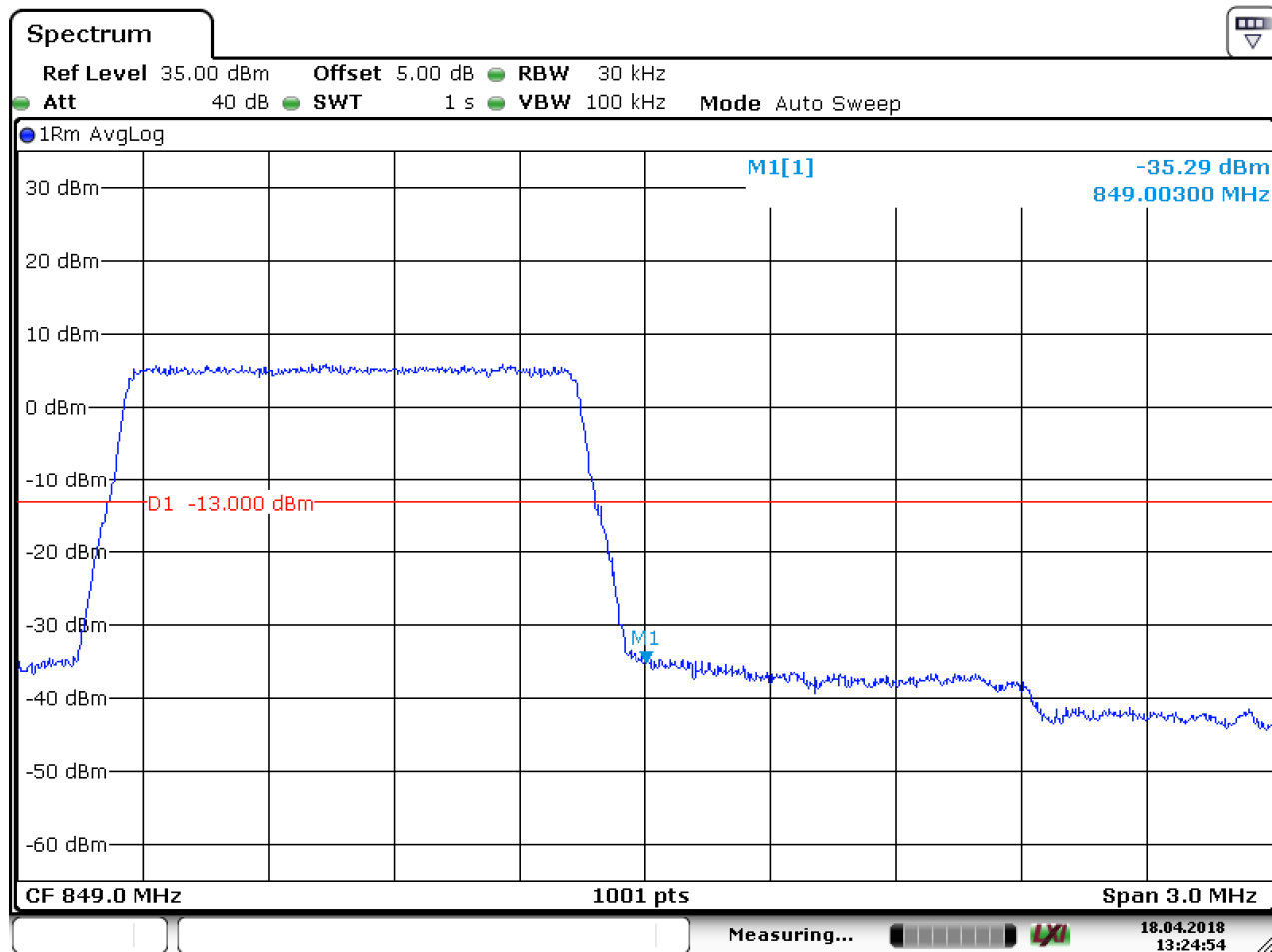
5.1.1.1.2.1 Test RB=1RB#5



Date: 18.APR.2018 13:24:35



5.1.1.1.2.2 Test RB=6RB#0



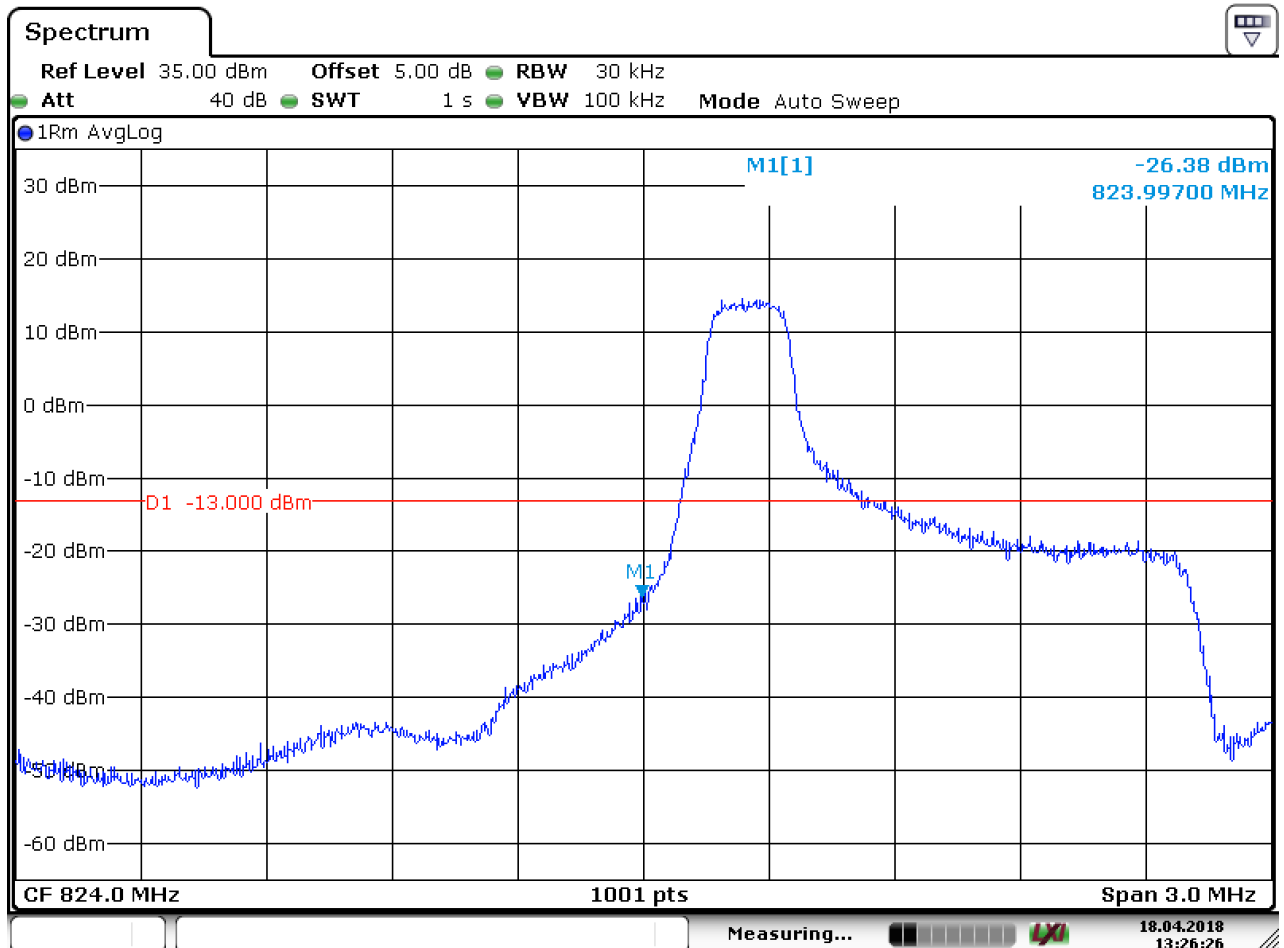
Date: 18.APR.2018 13:24:55



5.1.1.2 Test Mode = LTE/TM2 1.4MHz

5.1.1.2.1 Test Channel = LCH

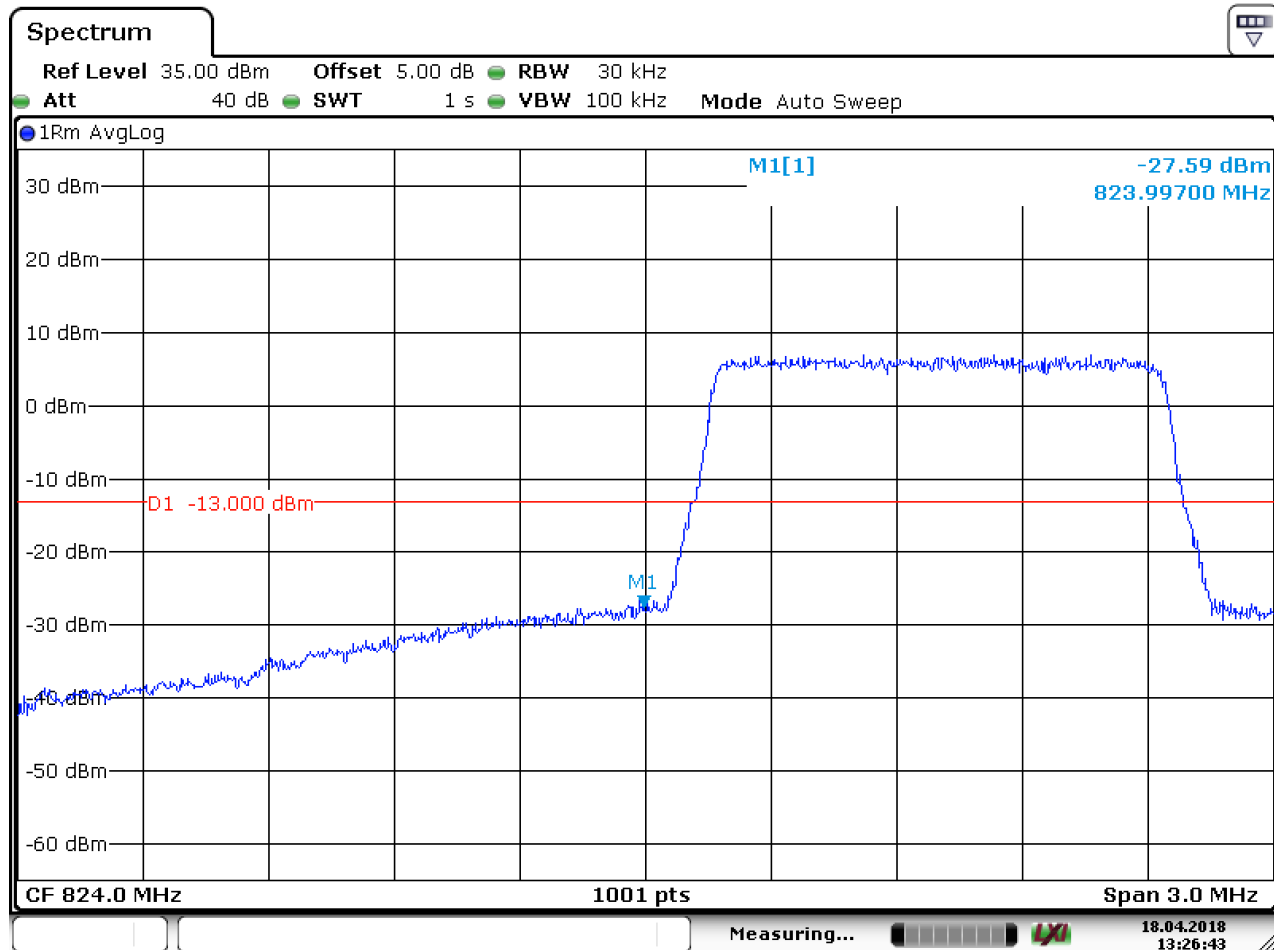
5.1.1.2.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:26:26



5.1.1.2.1.2 Test RB=6RB#0

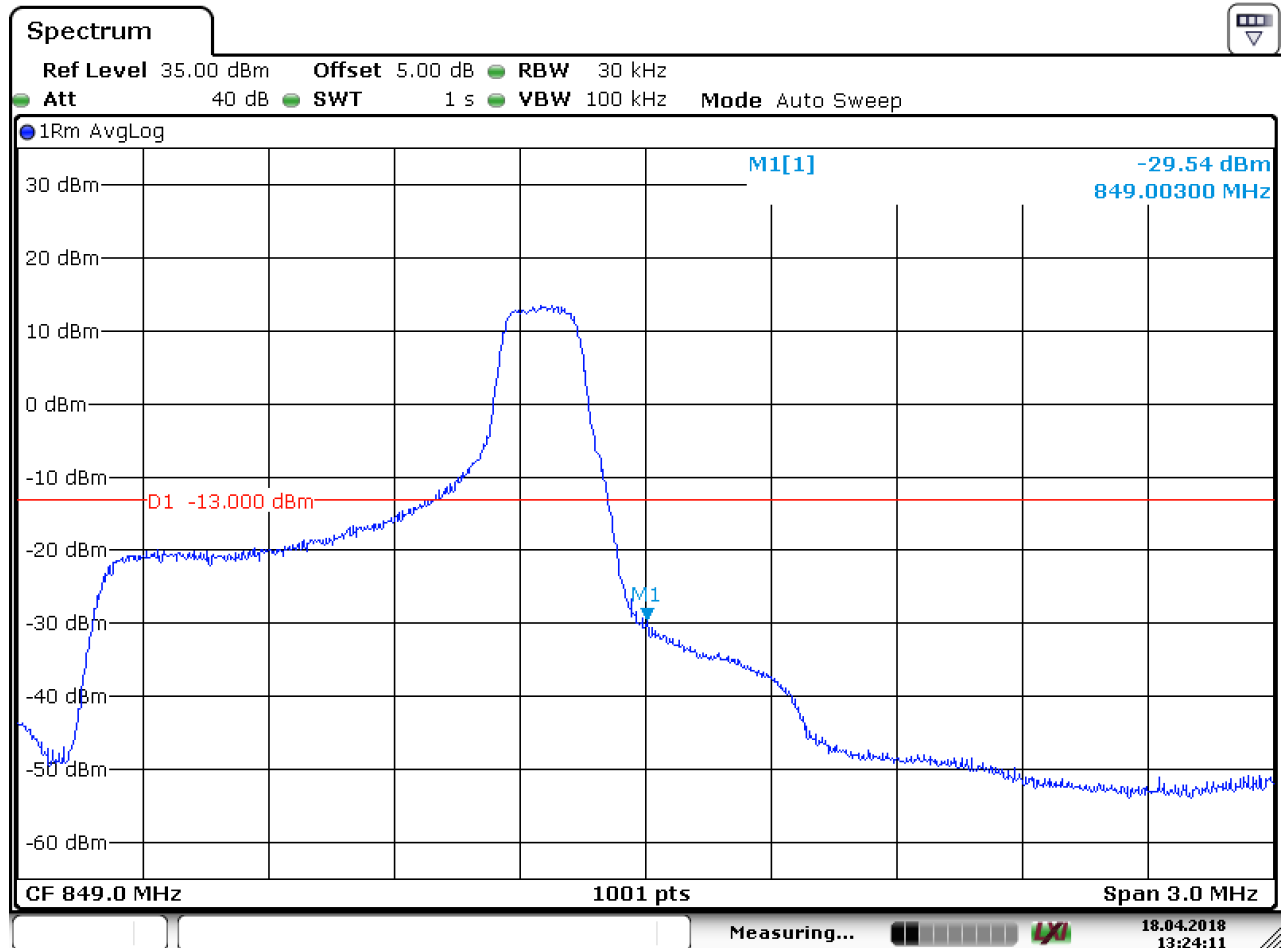


Date: 18.APR.2018 13:26:43



5.1.1.2.2 Test Channel = HCH

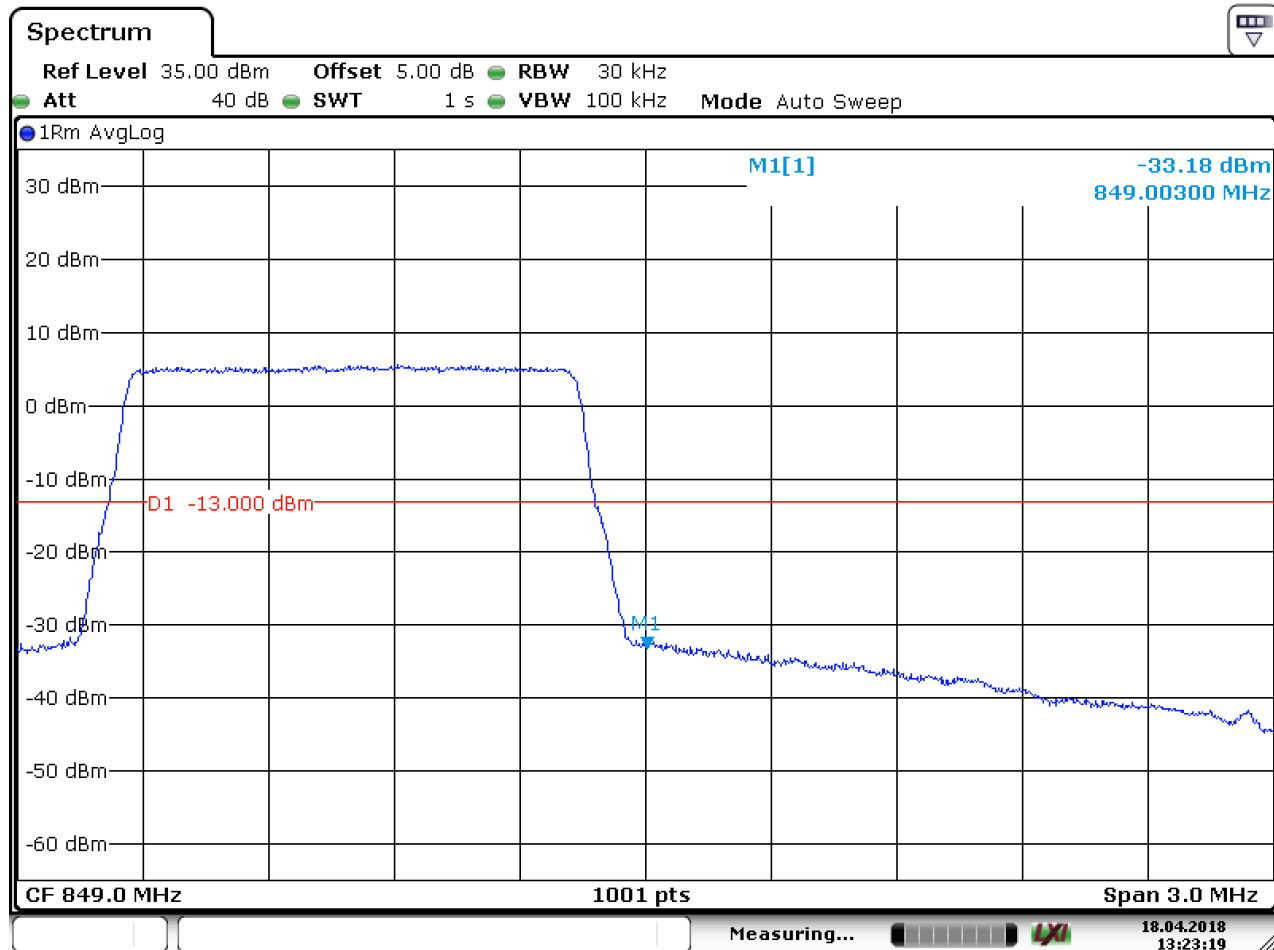
5.1.1.2.2.1 Test RB=1RB#5



Date: 18.APR.2018 13:24:12



5.1.1.2.2.2 Test RB=6RB#0



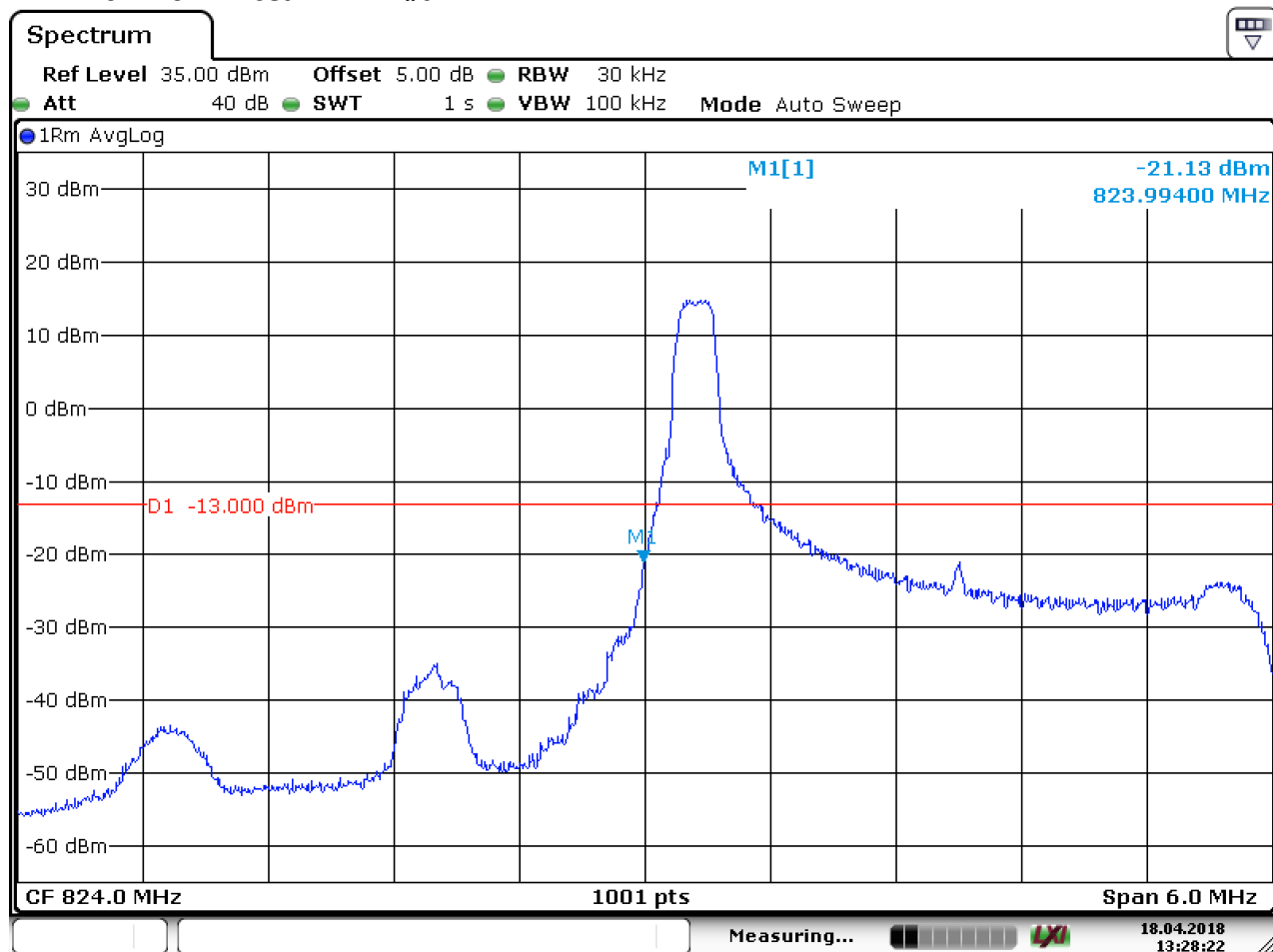
Date: 18.APR.2018 13:23:20



5.1.1.3 Test Mode = LTE/TM1 3MHz

5.1.1.3.1 Test Channel = LCH

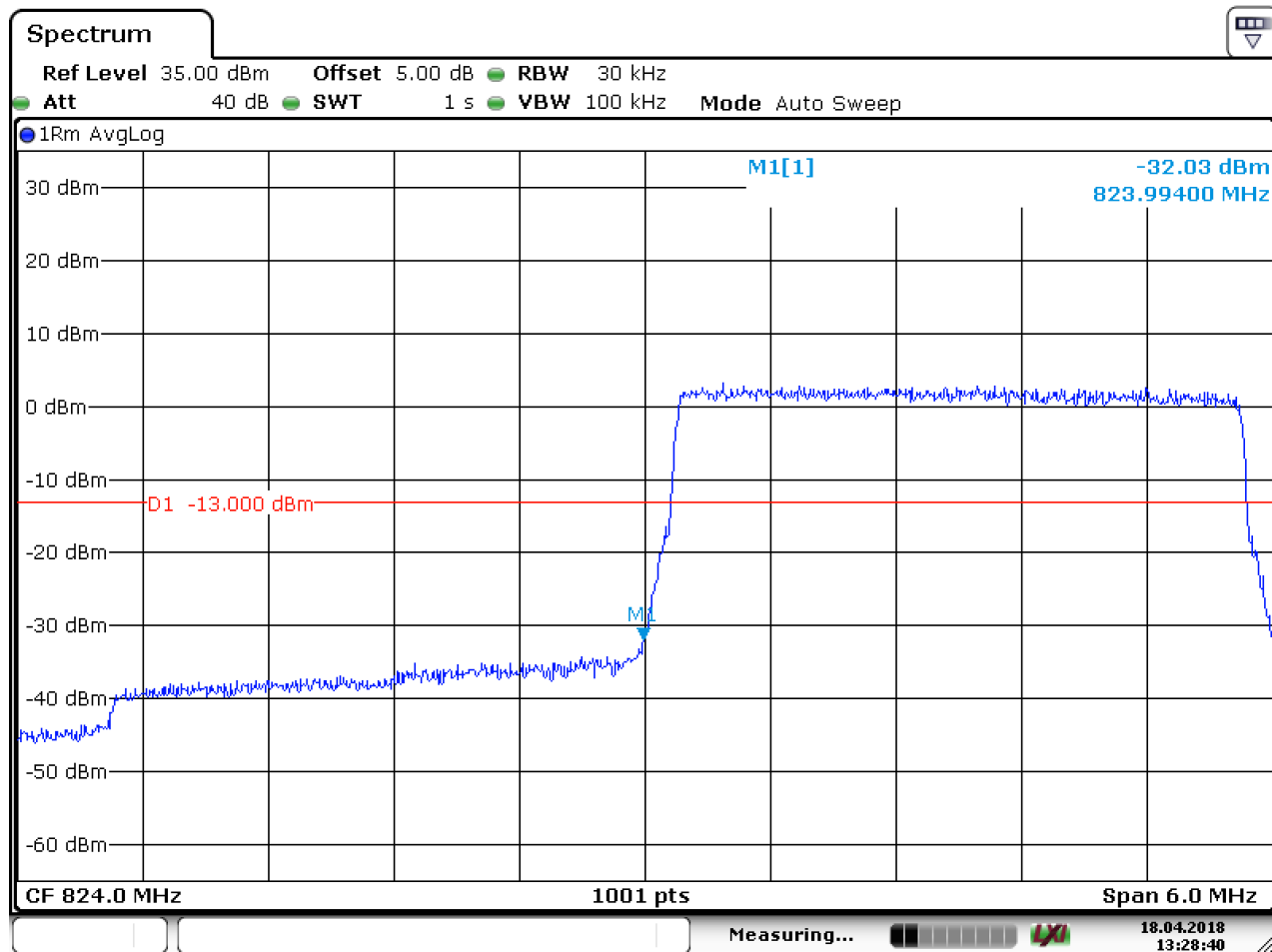
5.1.1.3.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:28:23



5.1.1.3.1.2 Test RB=15RB#0

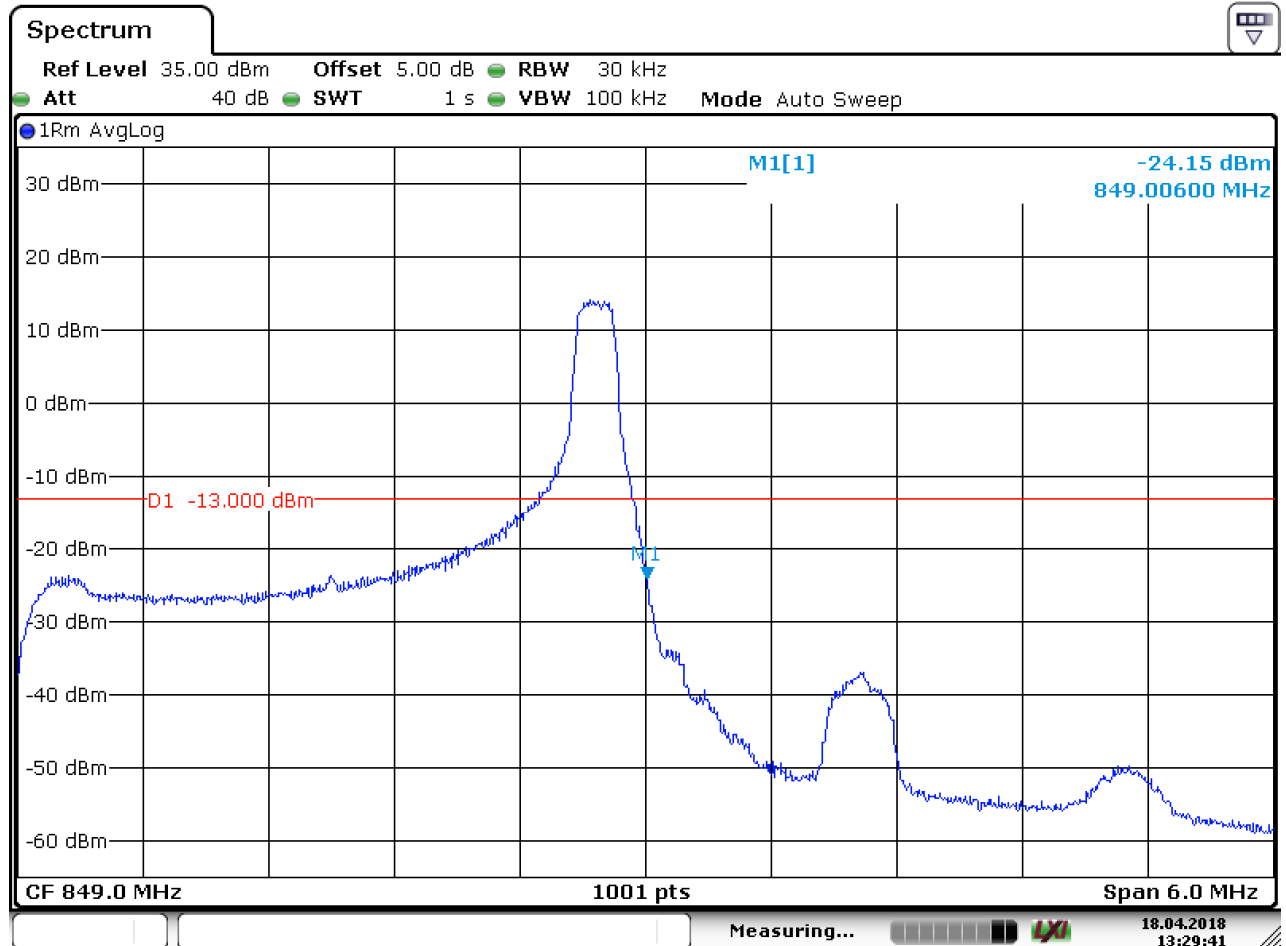


Date: 18.APR.2018 13:28:40



5.1.1.3.2 Test Channel = HCH

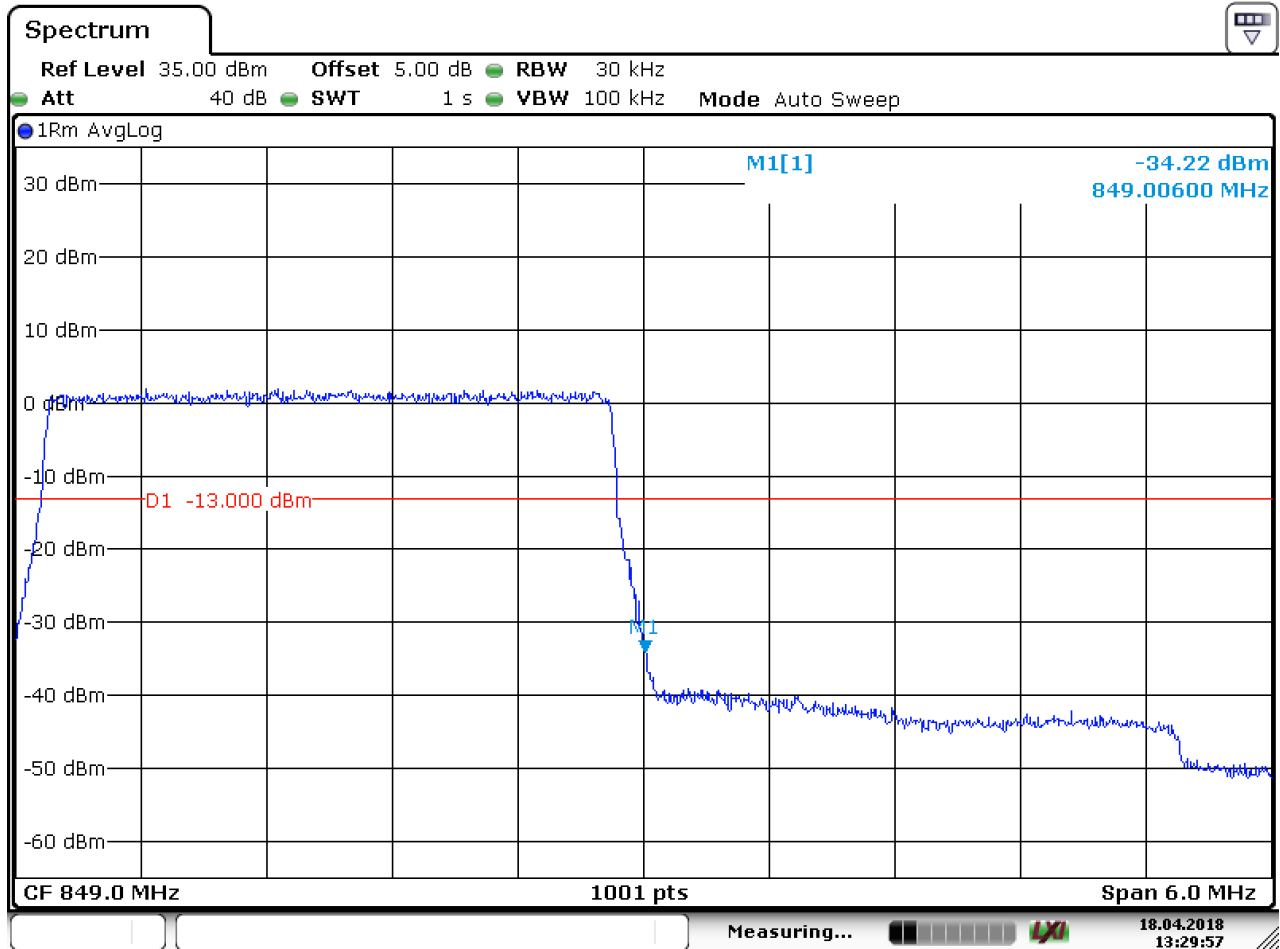
5.1.1.3.2.1 Test RB=1RB#14



Date: 18.APR.2018 13:29:42



5.1.1.3.2.2 Test RB=15RB#0



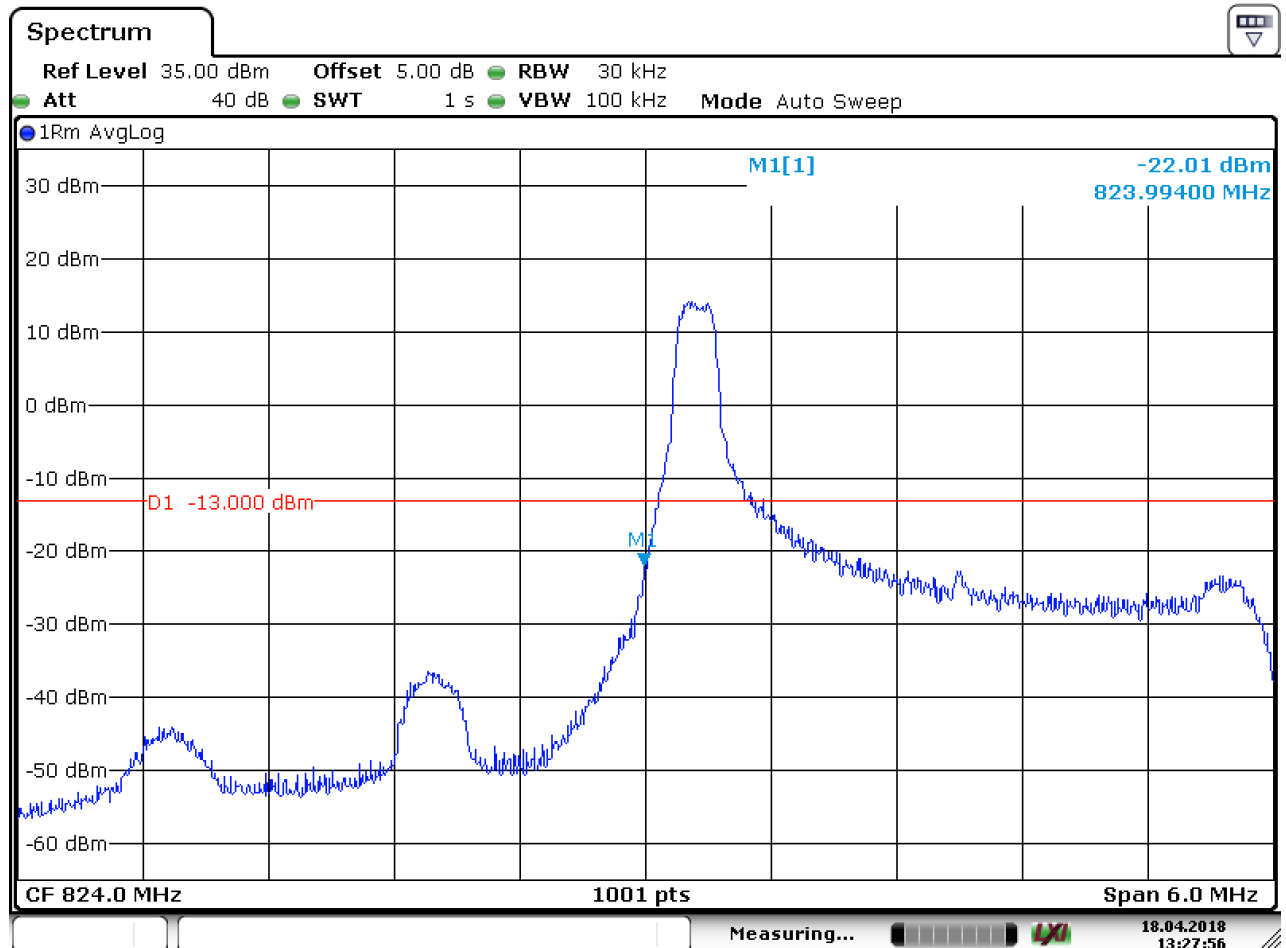
Date: 18.APR.2018 13:29:57



5.1.1.4 Test Mode = LTE/TM2 3MHz

5.1.1.4.1 Test Channel = LCH

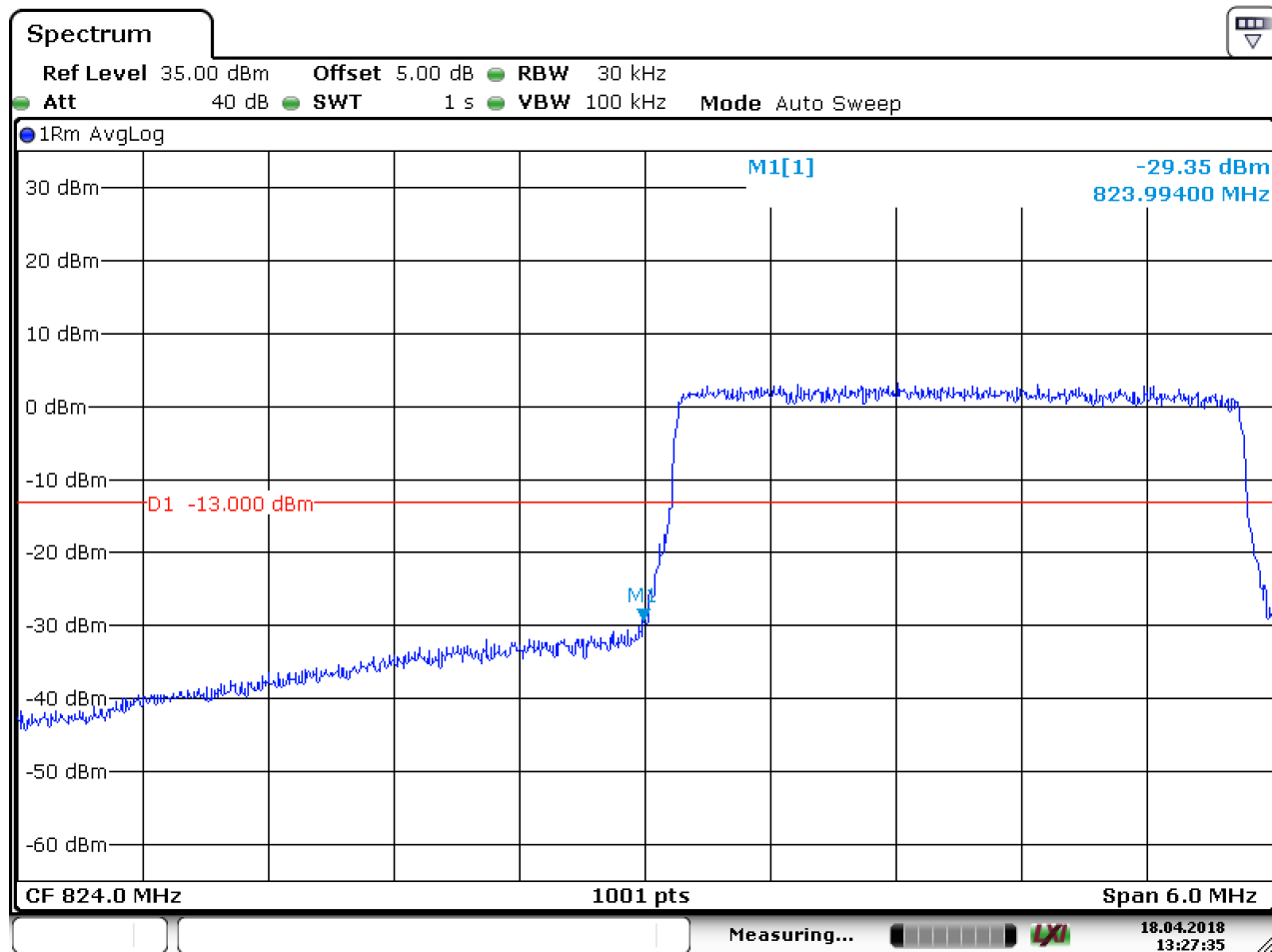
5.1.1.4.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:27:57



5.1.1.4.1.2 Test RB=15RB#0

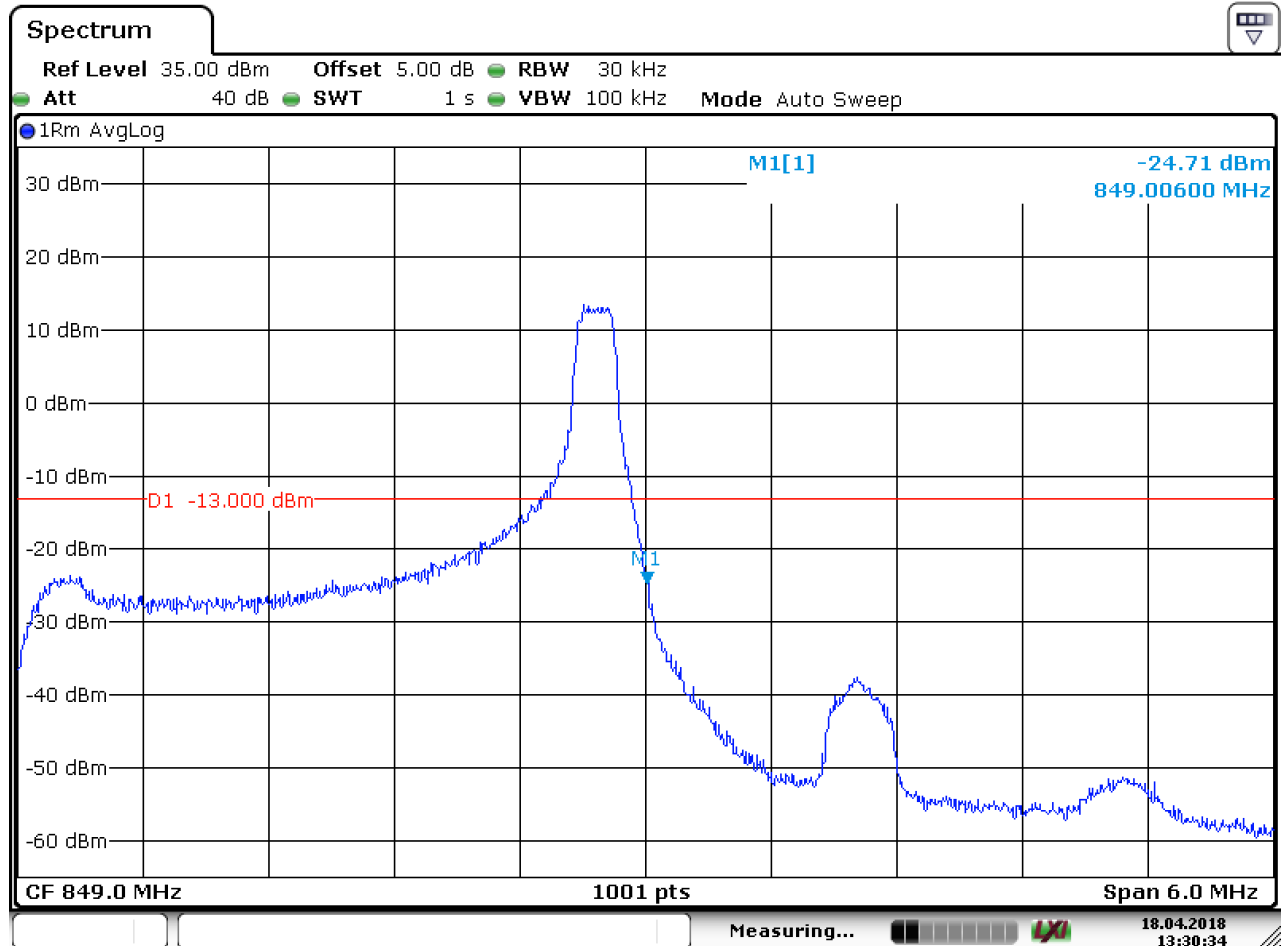


Date: 18.APR.2018 13:27:35



5.1.1.4.2 Test Channel = HCH

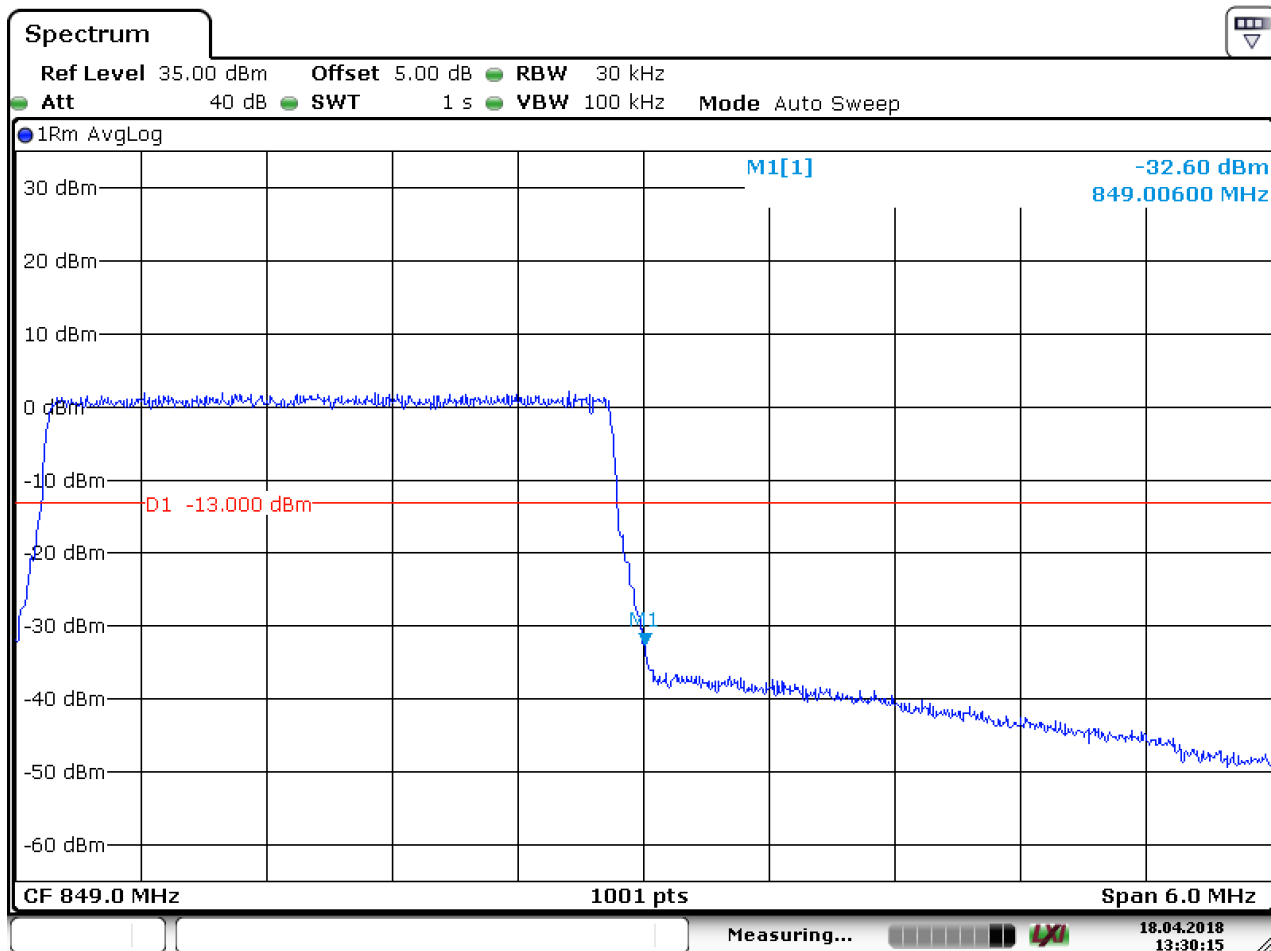
5.1.1.4.2.1 Test RB=1RB#24



Date: 18.APR.2018 13:30:34



5.1.1.4.3 Test RB=15RB#0



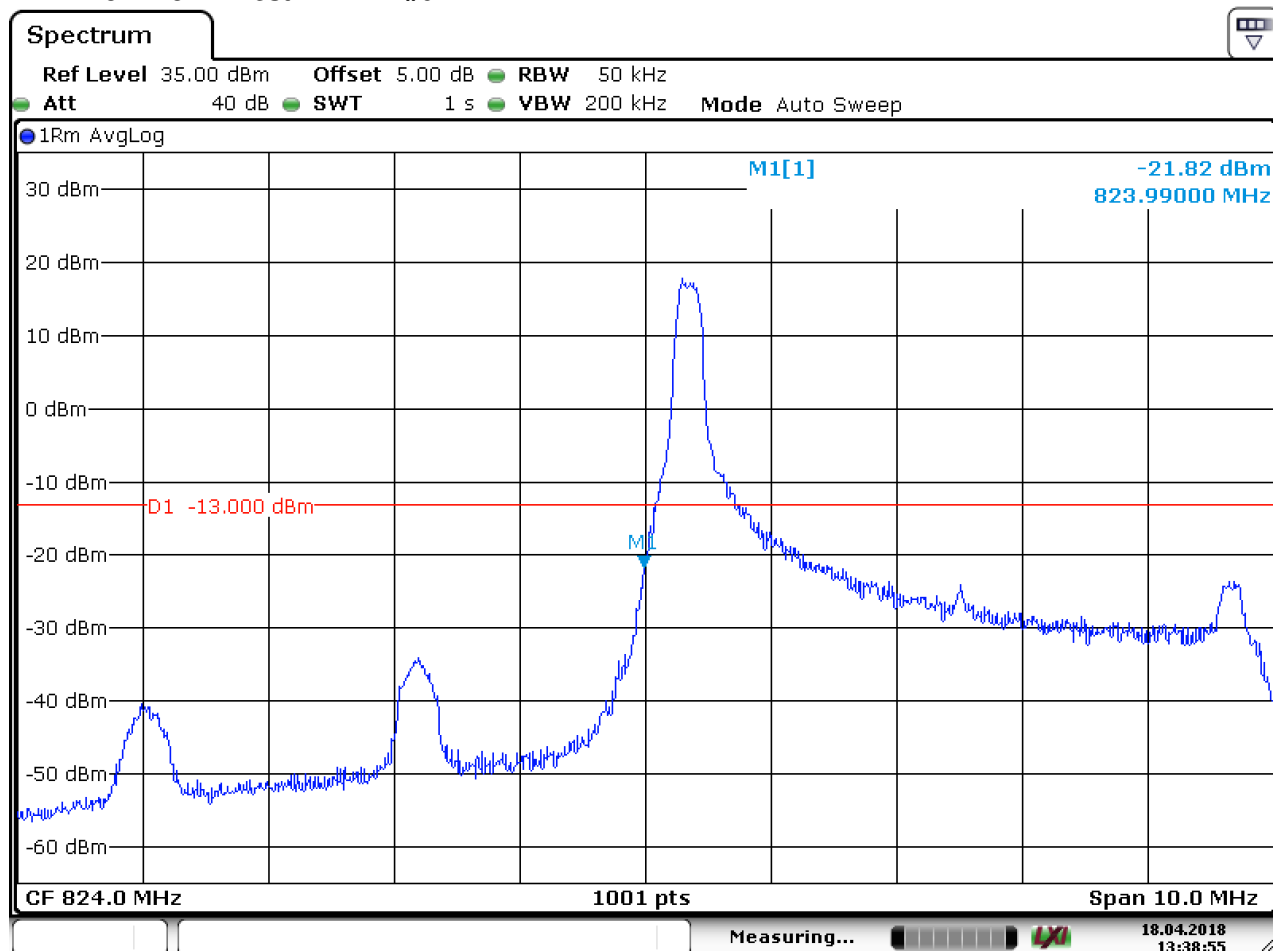
Date: 18.APR.2018 13:30:16



5.1.1.5 Test Mode = LTE/TM1 5MHz

5.1.1.5.1 Test Channel = LCH

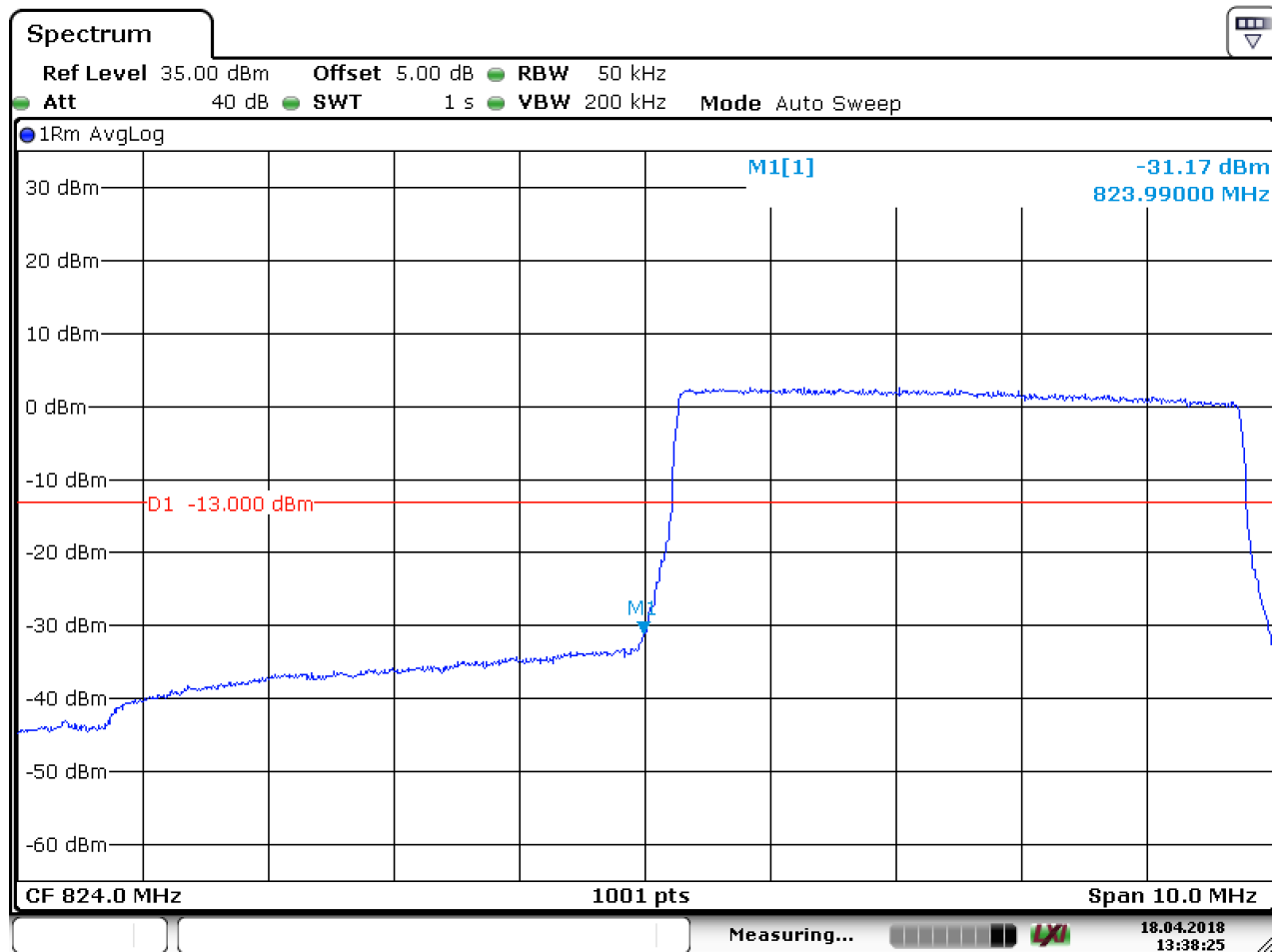
5.1.1.5.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:38:55



5.1.1.5.1.2 Test RB=25RB#0

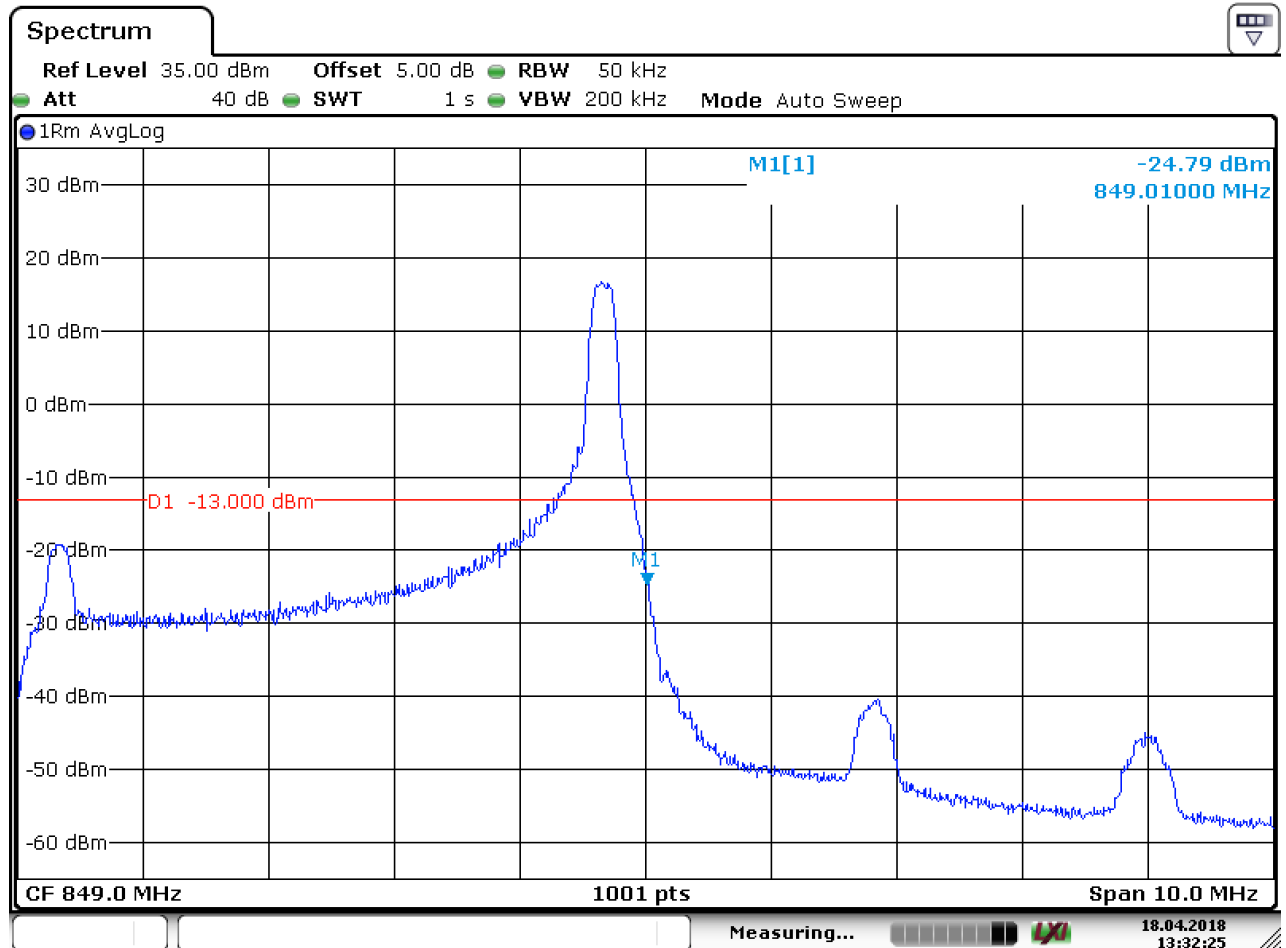


Date: 18.APR.2018 13:38:25



5.1.1.5.2 Test Channel = HCH

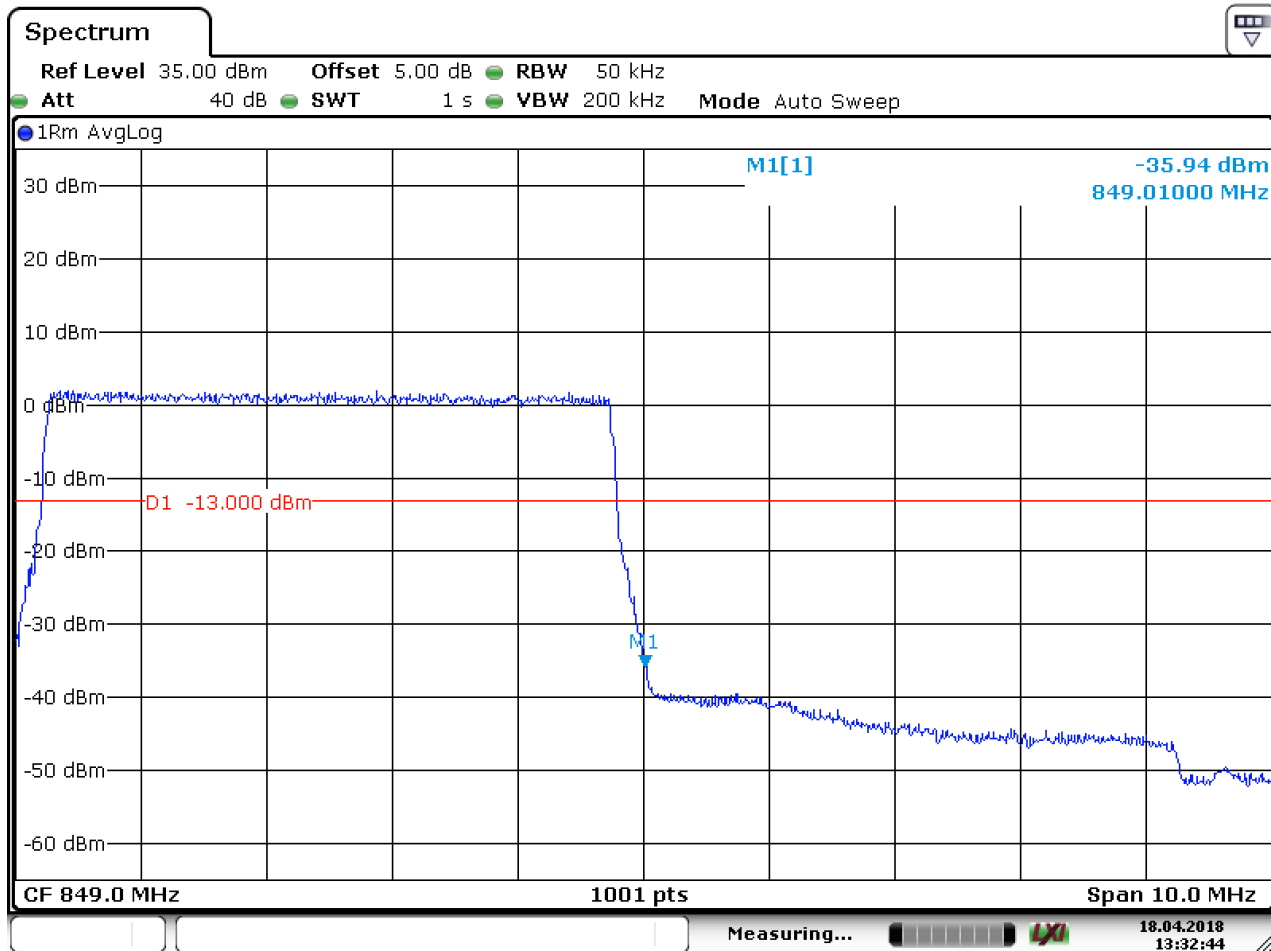
5.1.1.5.2.1 Test RB=1RB#24



Date: 18.APR.2018 13:32:25



5.1.1.5.2.2 Test RB=25RB#0

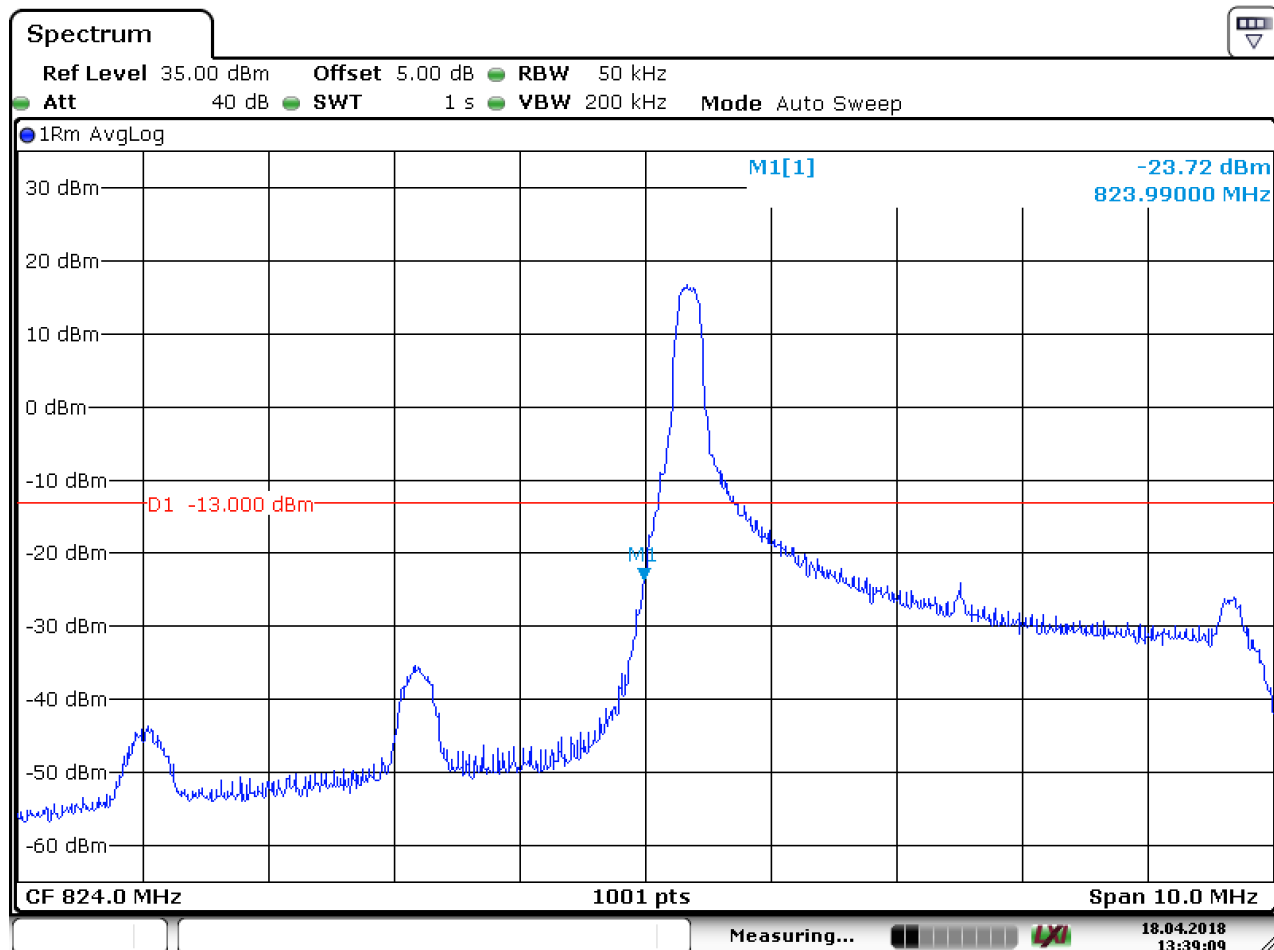


Date: 18.APR.2018 13:32:44



5.1.1.6 Test Mode = LTE/TM2 5MHz
5.1.1.6.1 Test Channel = LCH

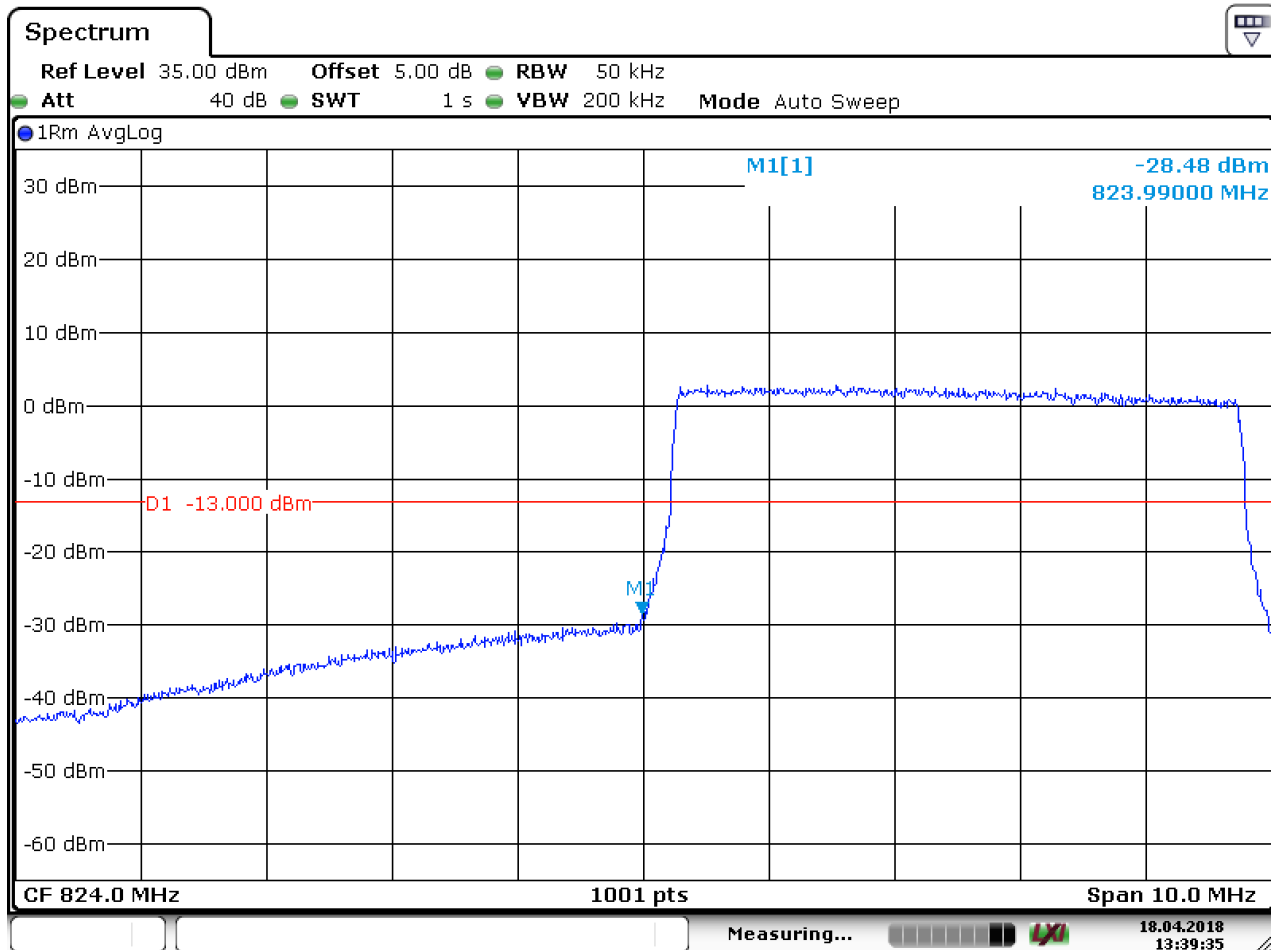
5.1.1.6.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:39:10



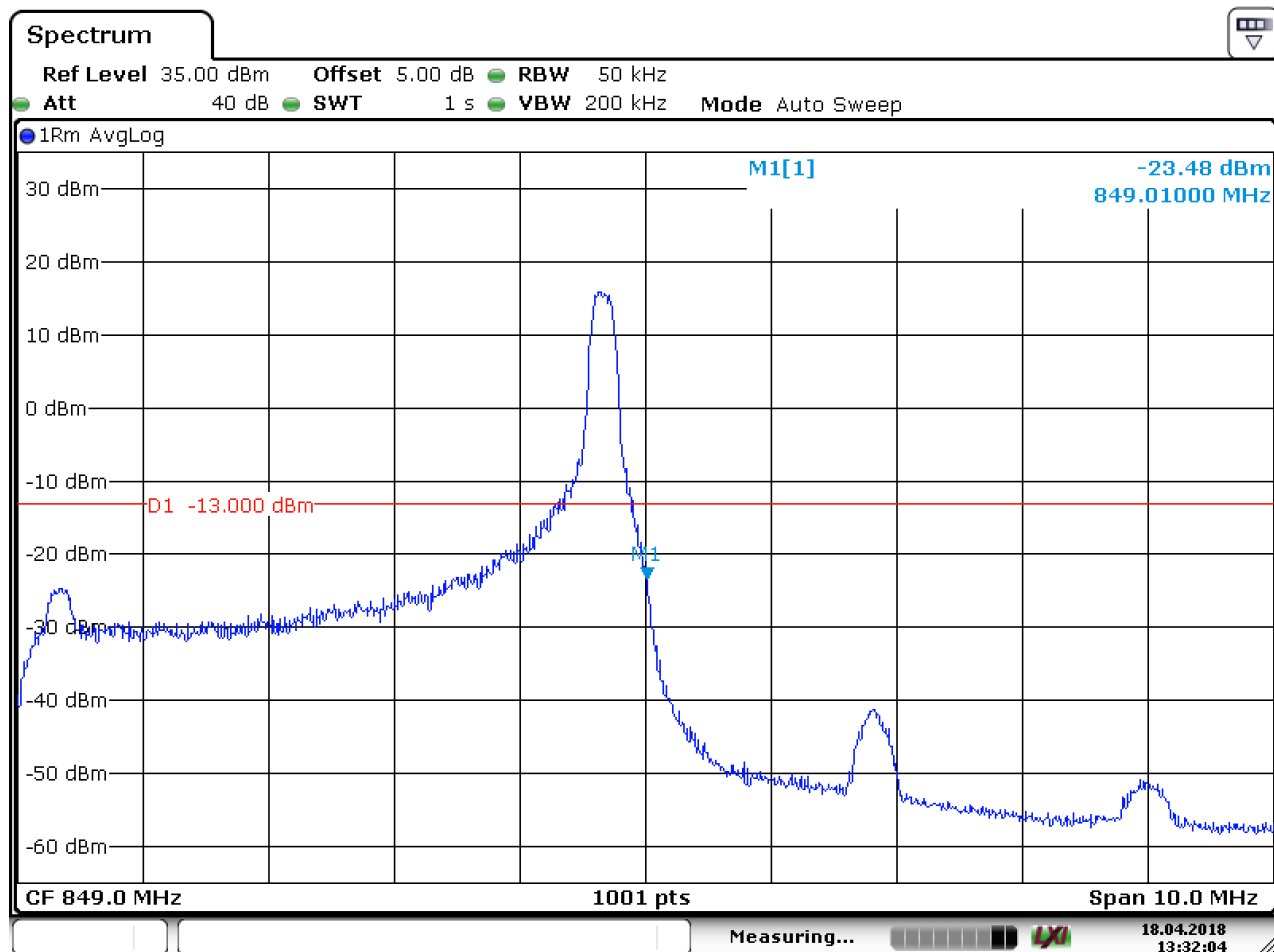
5.1.1.6.1.2 Test RB=25RB#0



Date: 18.APR.2018 13:39:35

5.1.1.6.2 Test Channel = HCH

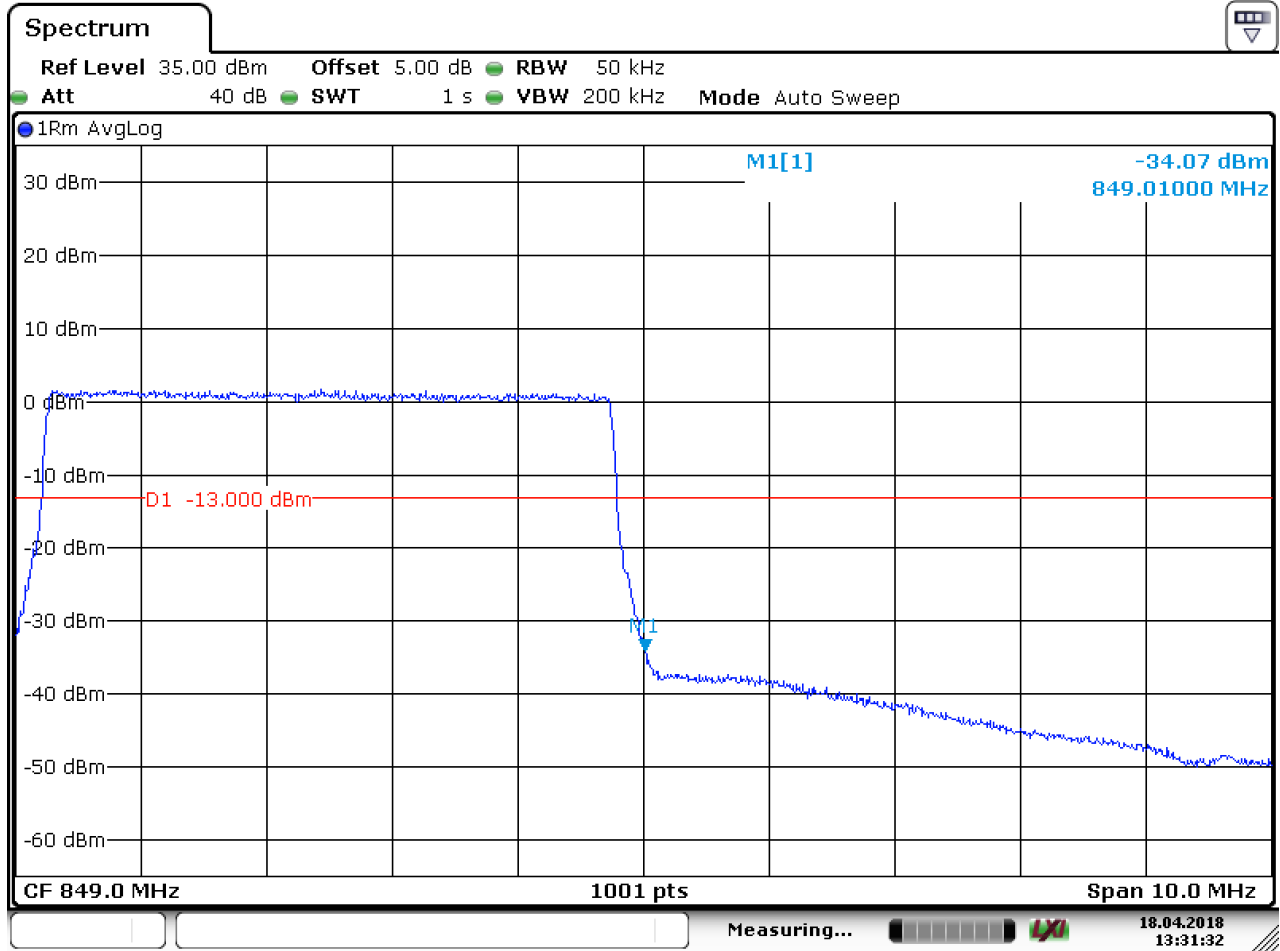
5.1.1.6.2.1 Test RB=1RB#24



Date: 18.APR.2018 13:32:05



5.1.1.6.2.2 Test RB=25RB#0

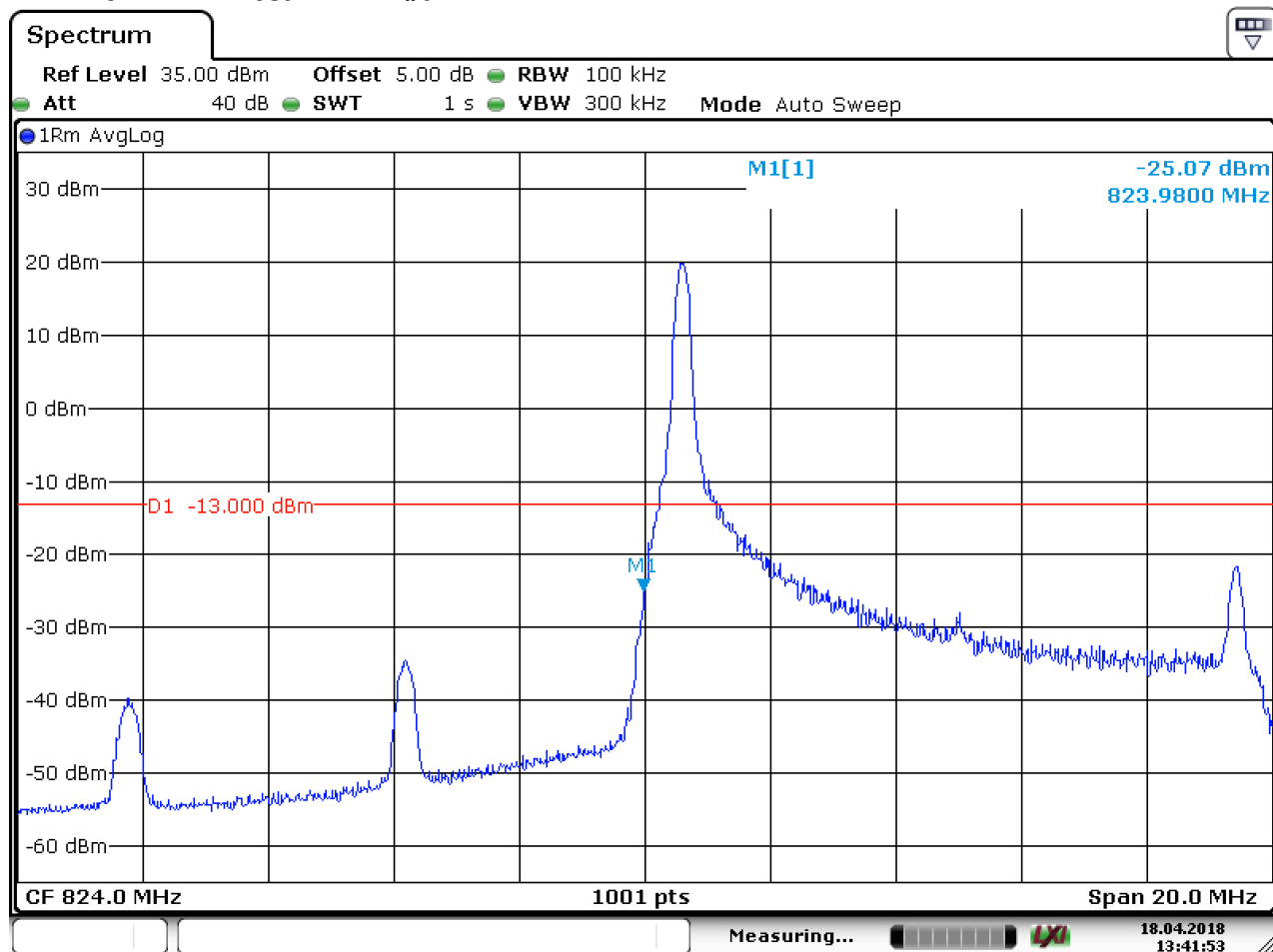


Date: 18.APR.2018 13:31:33



5.1.1.7 Test Mode = LTE/TM1 10MHz
5.1.1.7.1 Test Channel = LCH

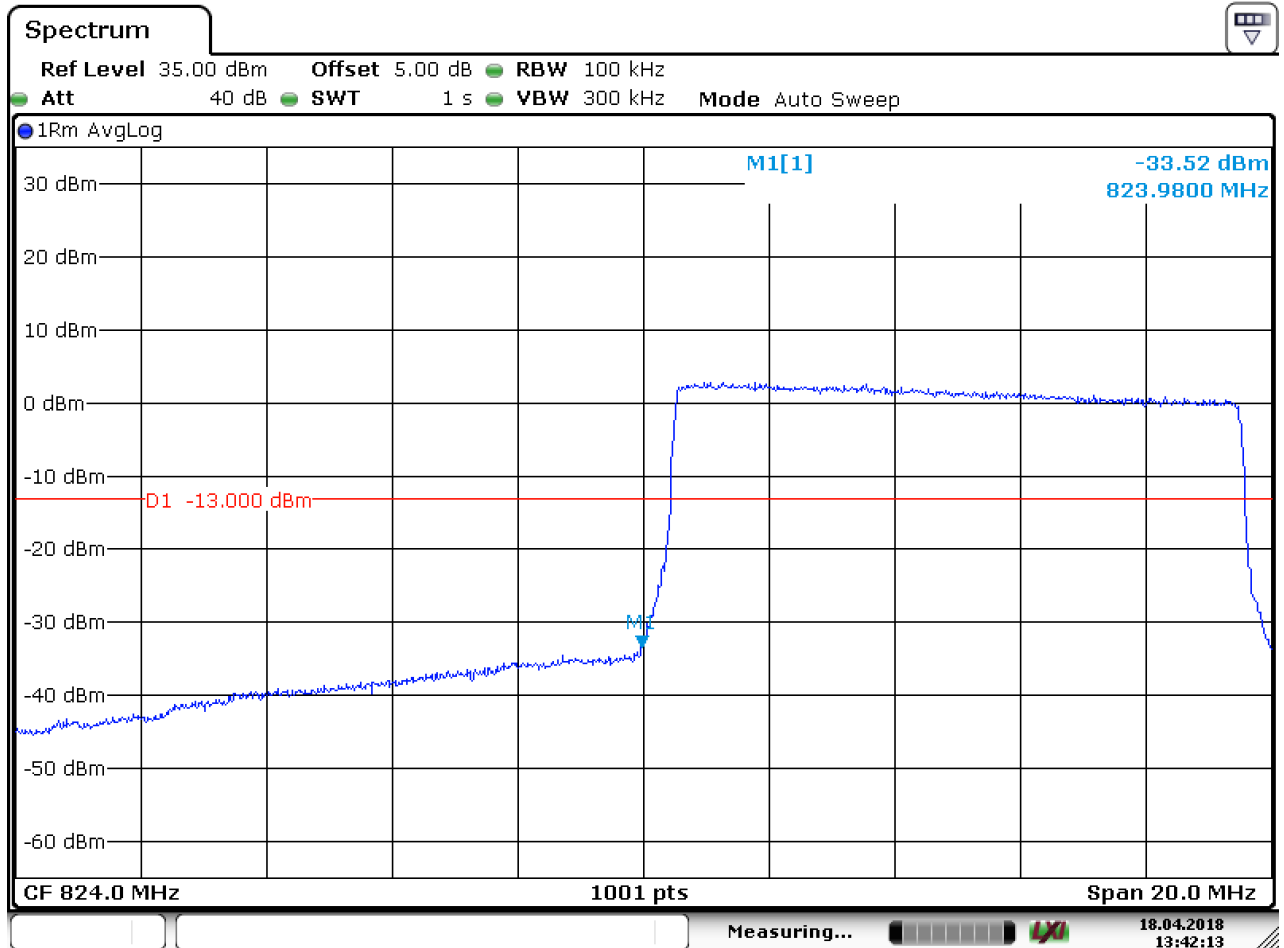
5.1.1.7.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:41:54



5.1.1.7.1.2 Test RB=50RB#0

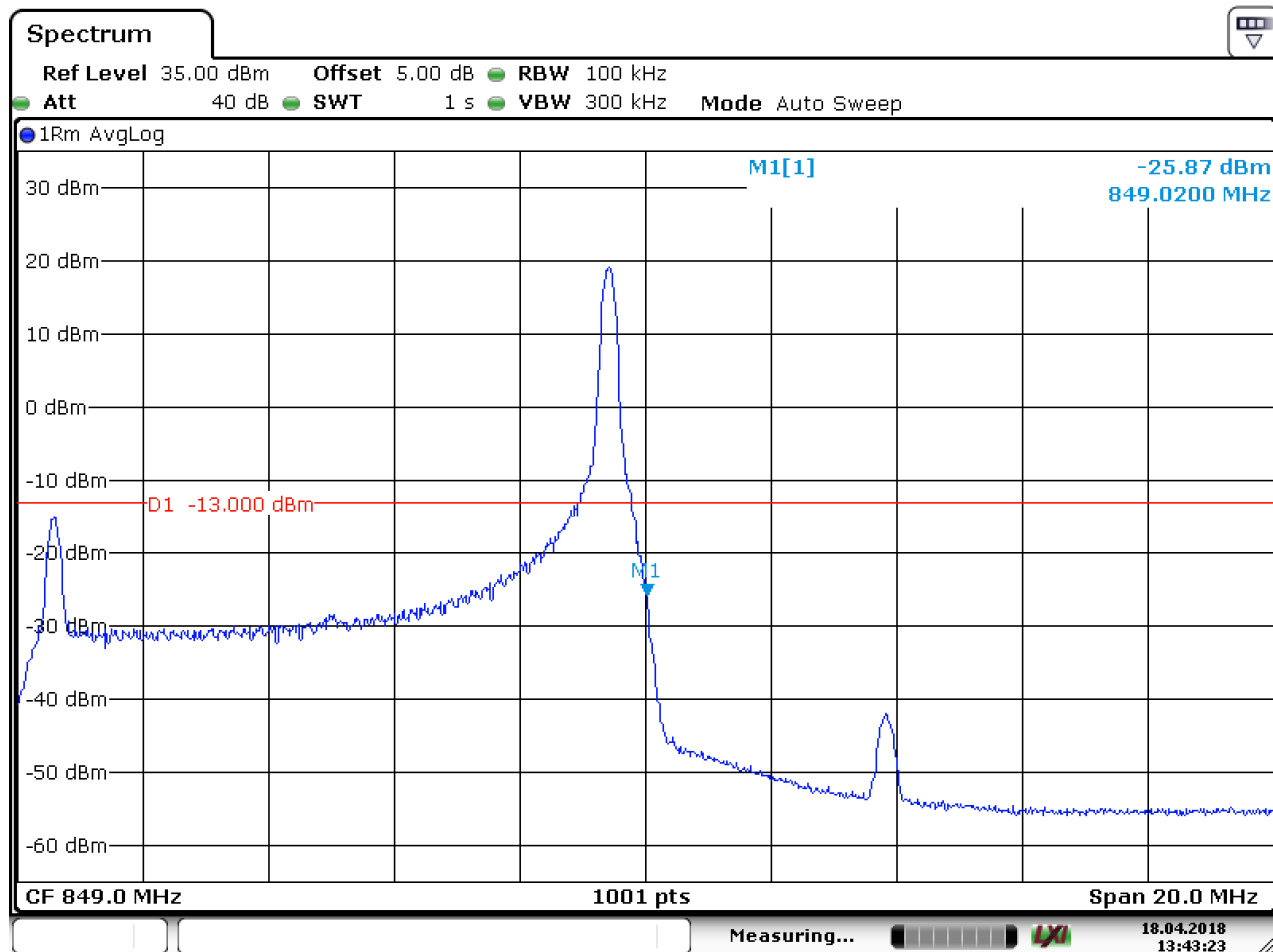


Date: 18.APR.2018 13:42:13



5.1.1.7.1 Test Channel = HCH

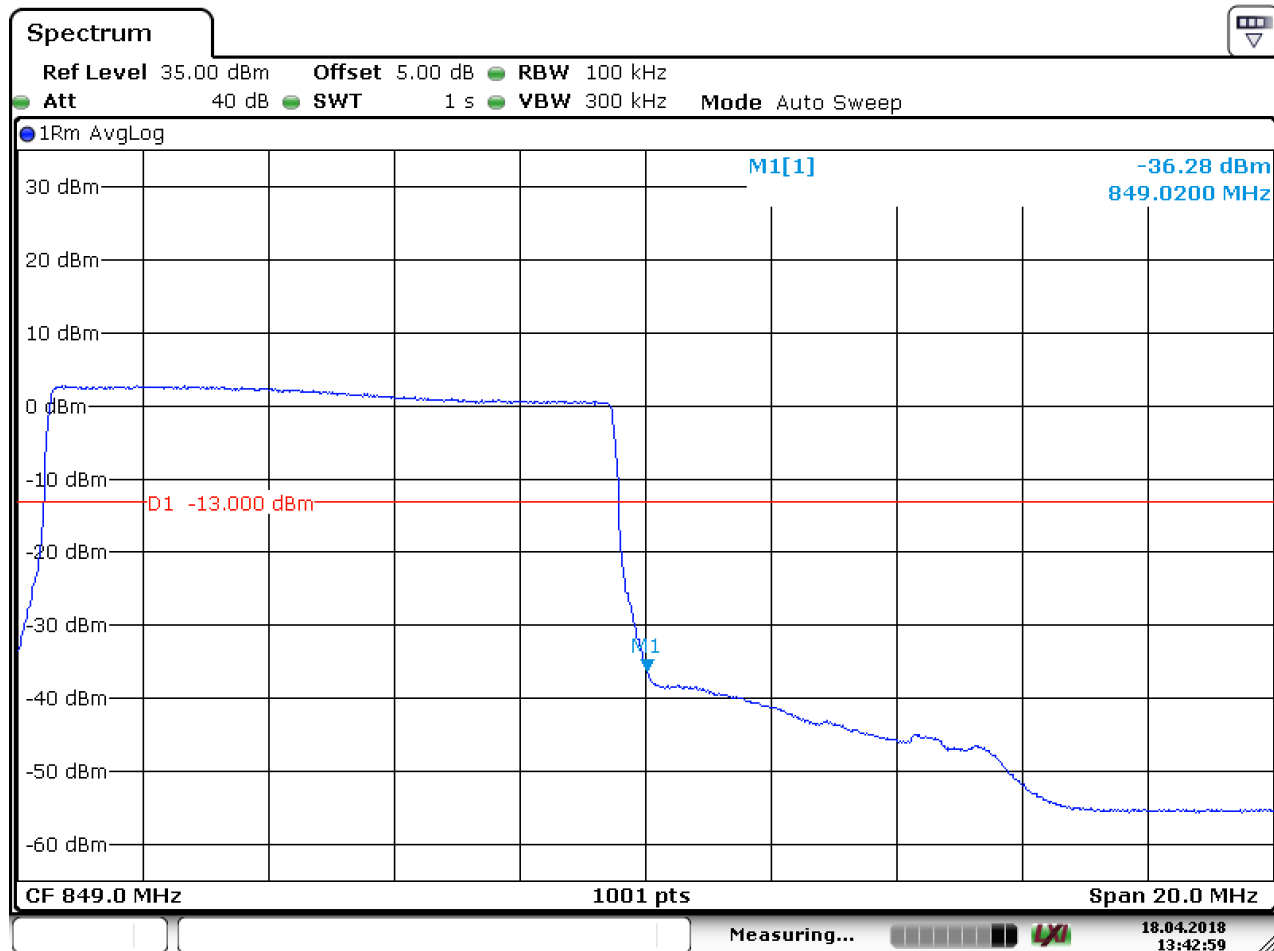
5.1.1.7.1.1 Test RB=1RB#49



Date: 18.APR.2018 13:43:23



5.1.1.7.1.2 Test RB=50RB#0



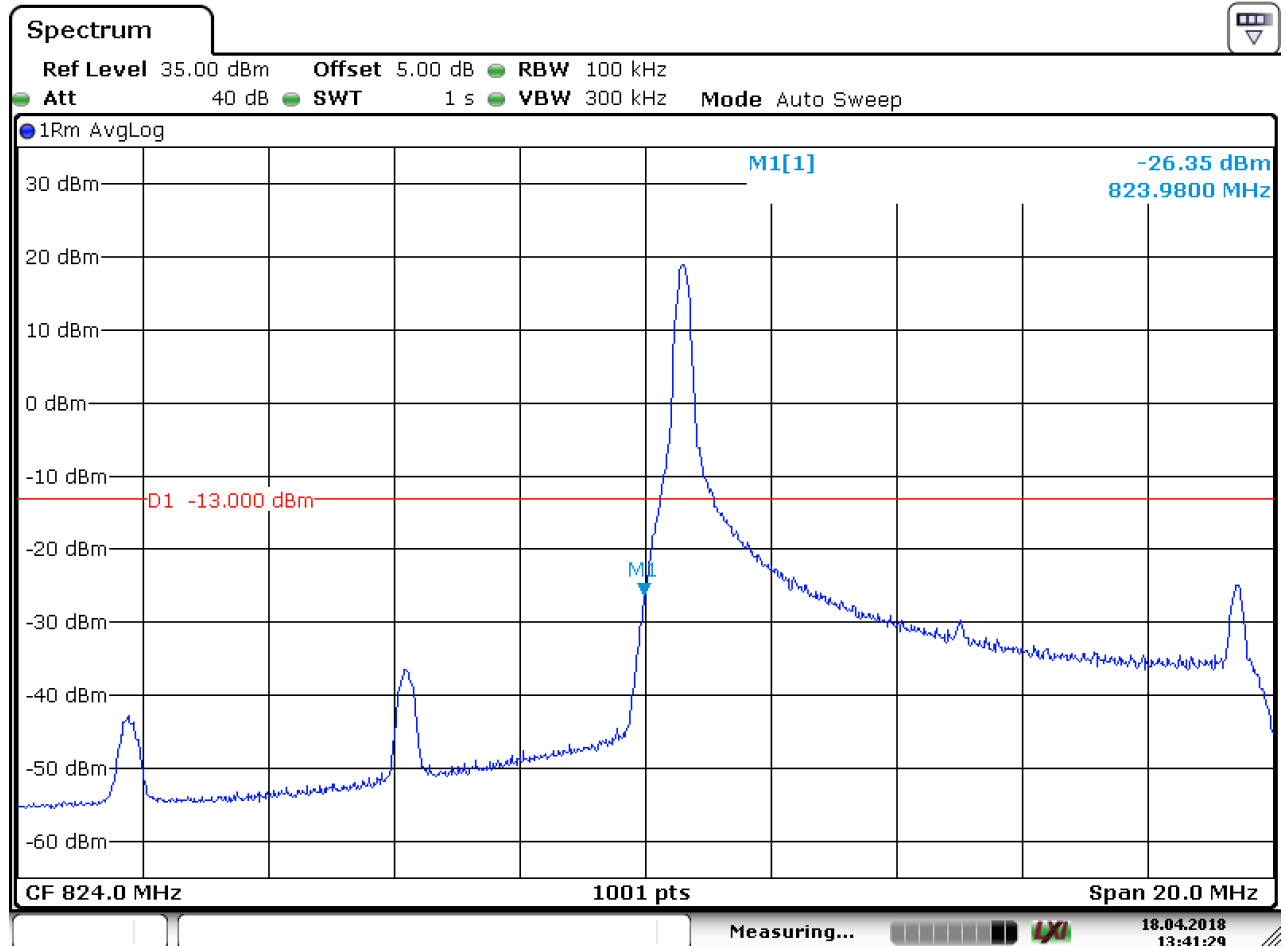
Date: 18.APR.2018 13:43:00



5.1.1.8 Test Mode = LTE/TM2 10MHz

5.1.1.8.1 Test Channel = LCH

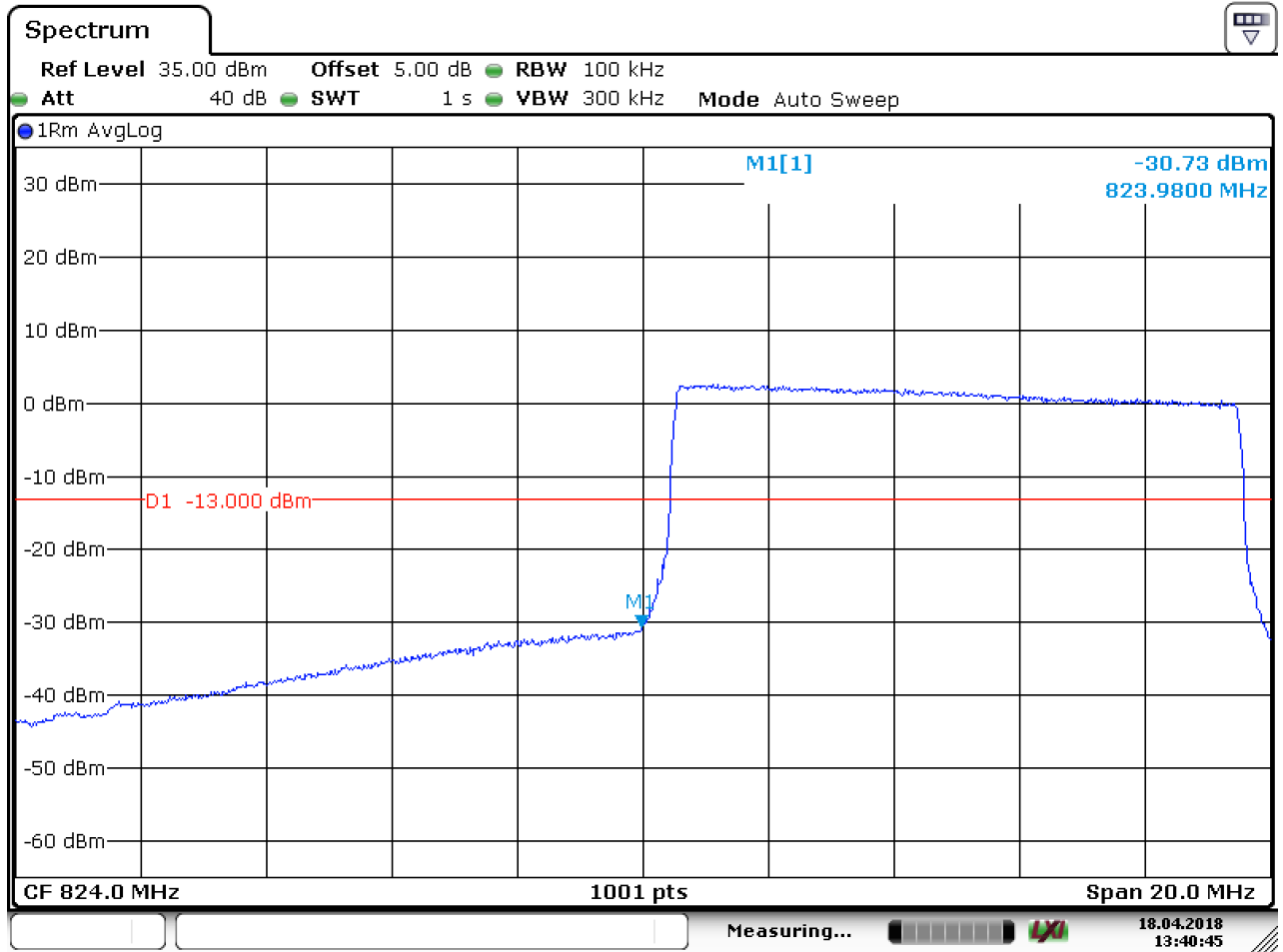
5.1.1.8.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:41:30



5.1.1.8.1.2 Test RB=50RB#0

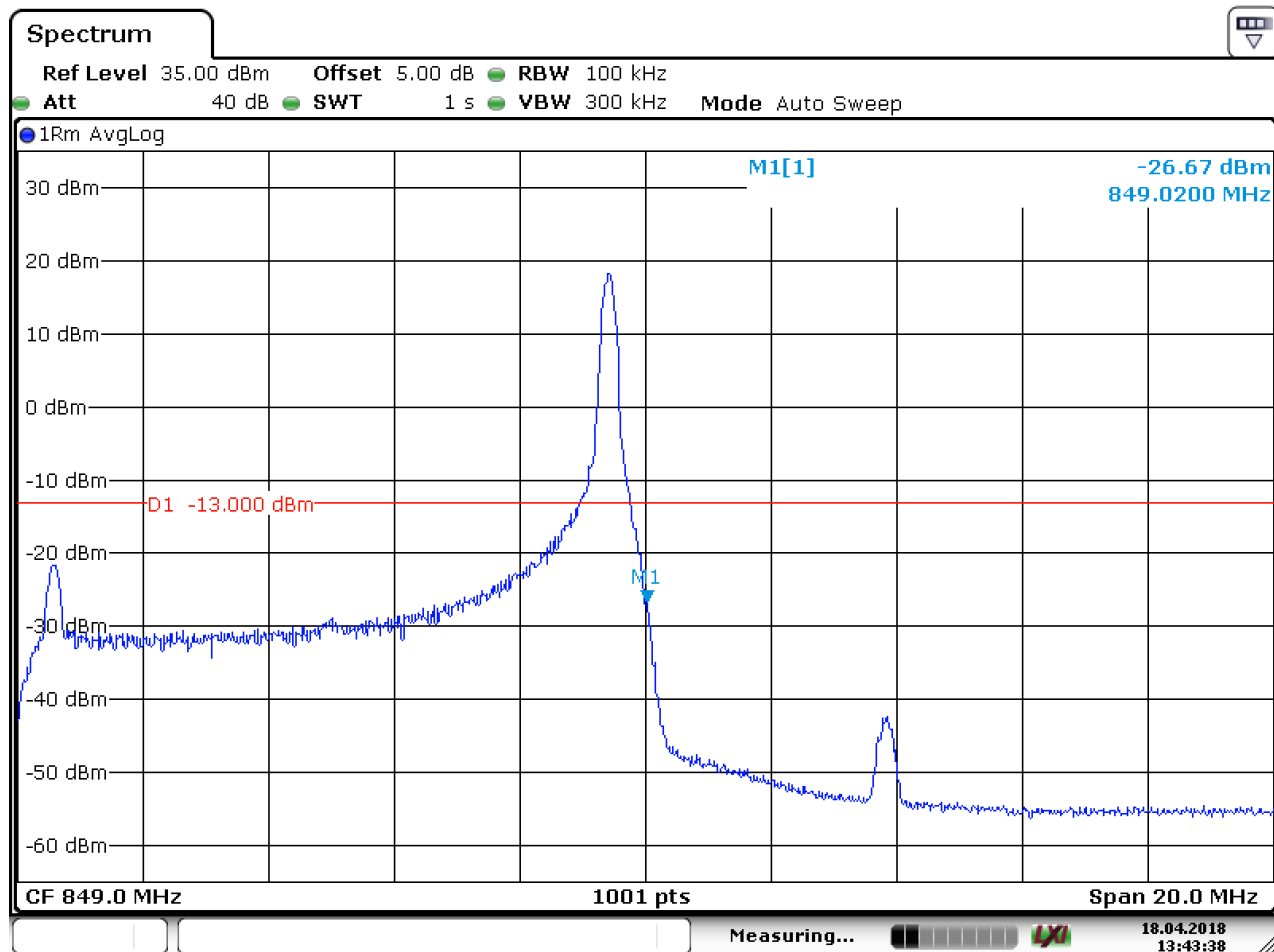


Date: 18.APR.2018 13:40:45



5.1.1.8.1 Test Channel = HCH

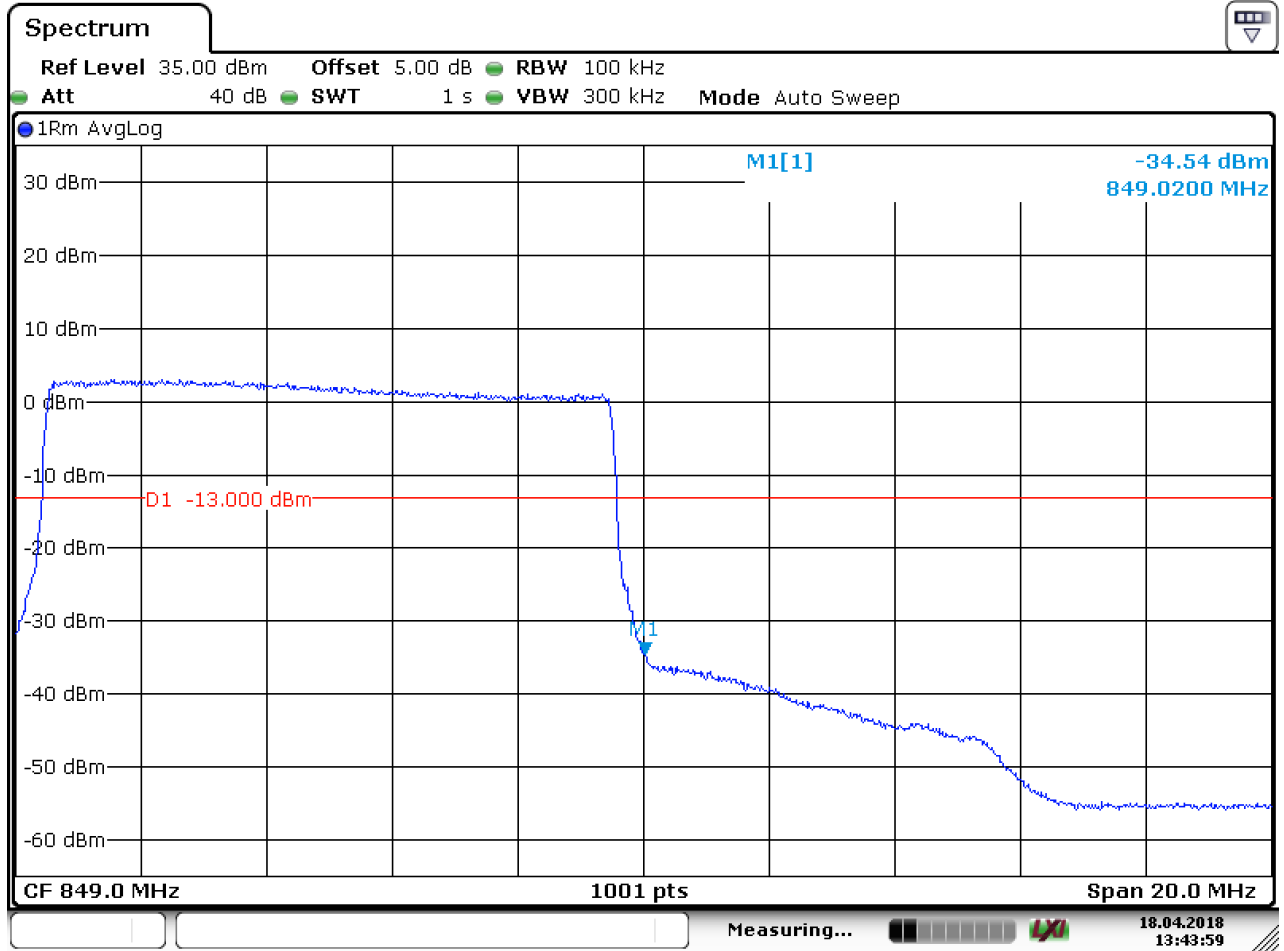
5.1.1.8.1.1 Test RB=1RB#49



Date: 18.APR.2018 13:43:39



5.1.1.8.1.2 Test RB=50RB#0

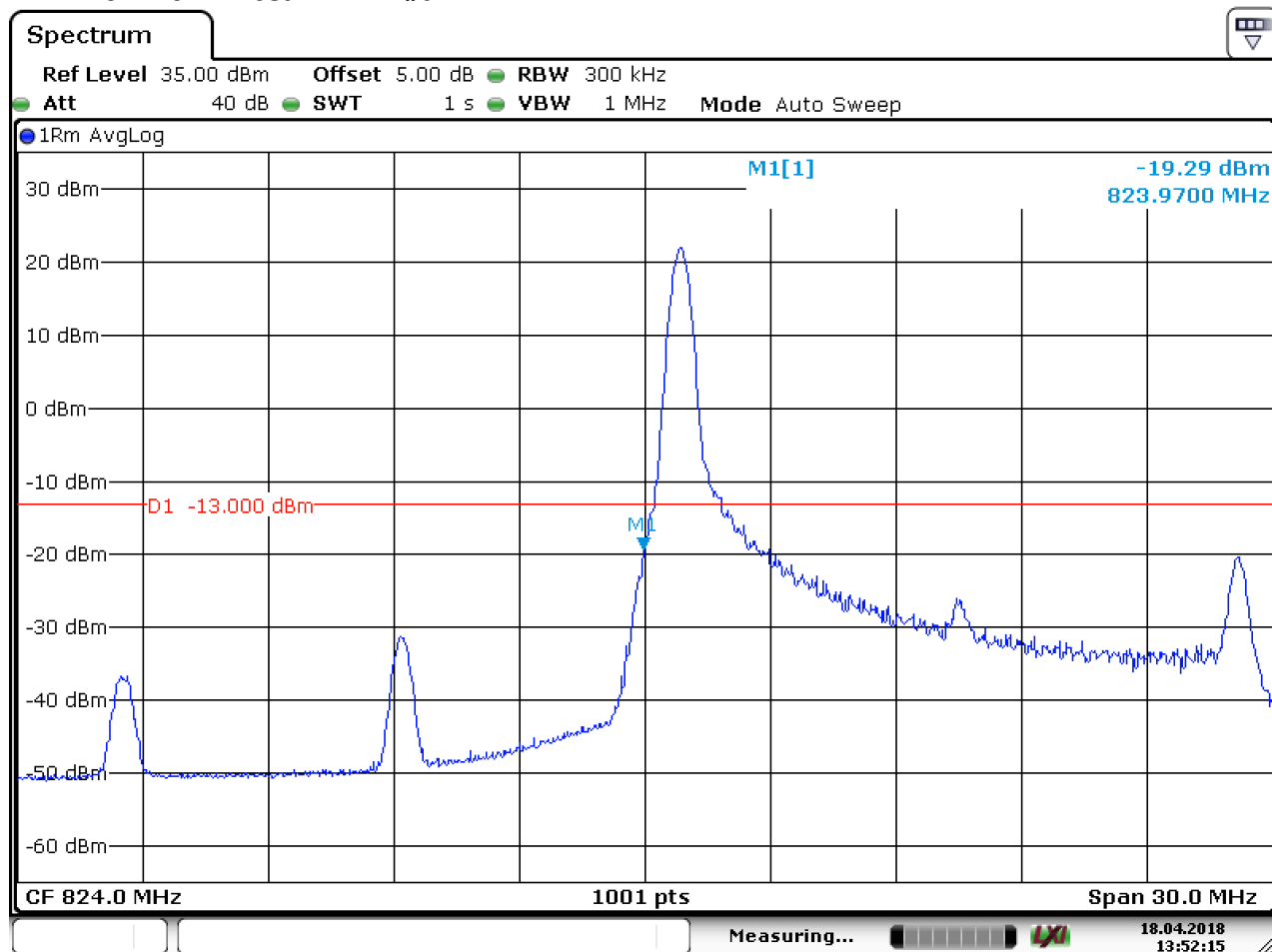


Date: 18.APR.2018 13:43:59



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

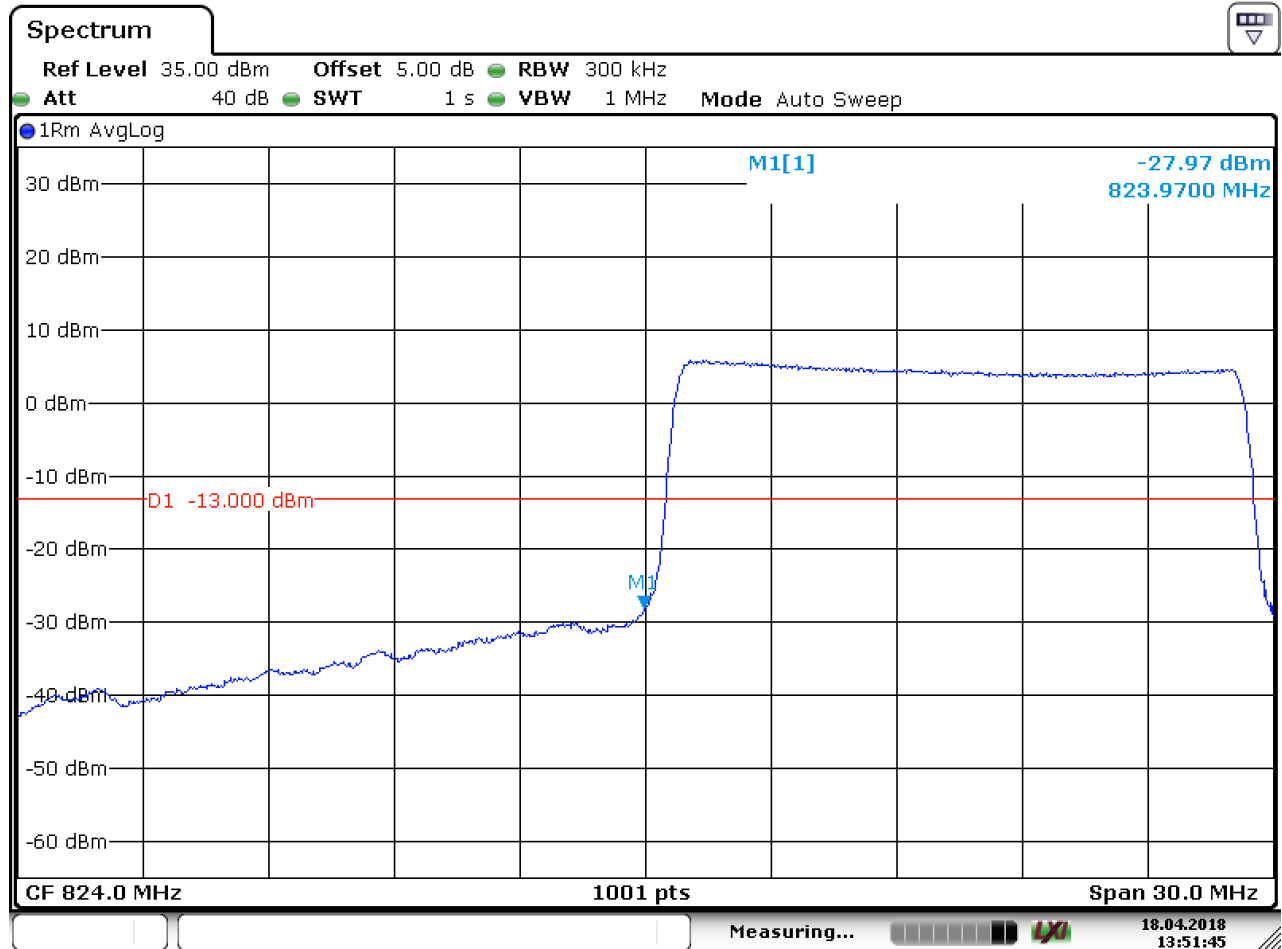
5.1.1.9.1.1 Test RB=1RB#0



Date: 18.APR.2018 13:52:15



5.1.1.9.1.2 Test RB=75RB#0



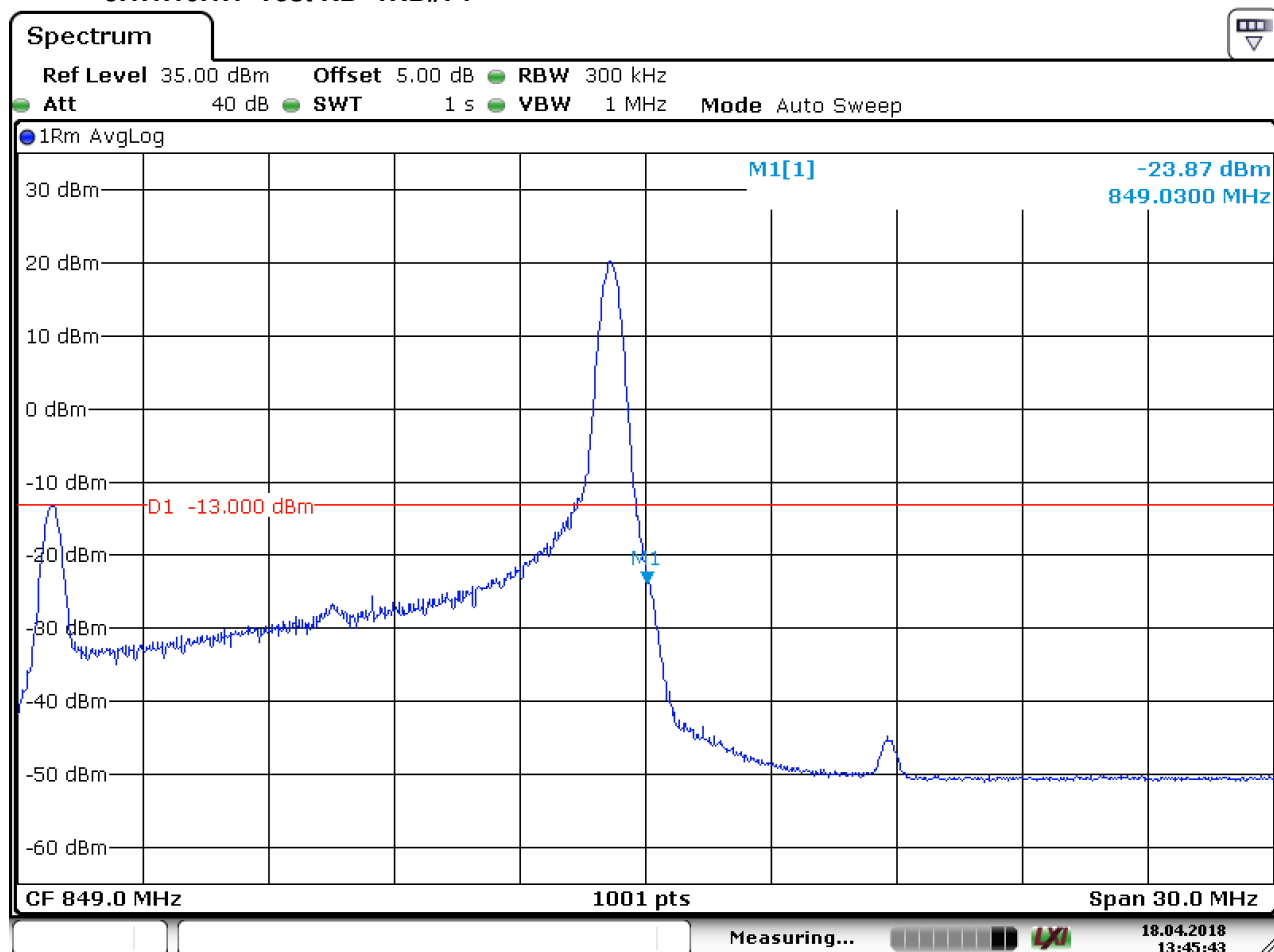
Date: 18.APR.2018 13:51:45



5.1.1.10 Test Mode = LTE/TM2 15MHz

5.1.1.10.1 Test Channel = HCH

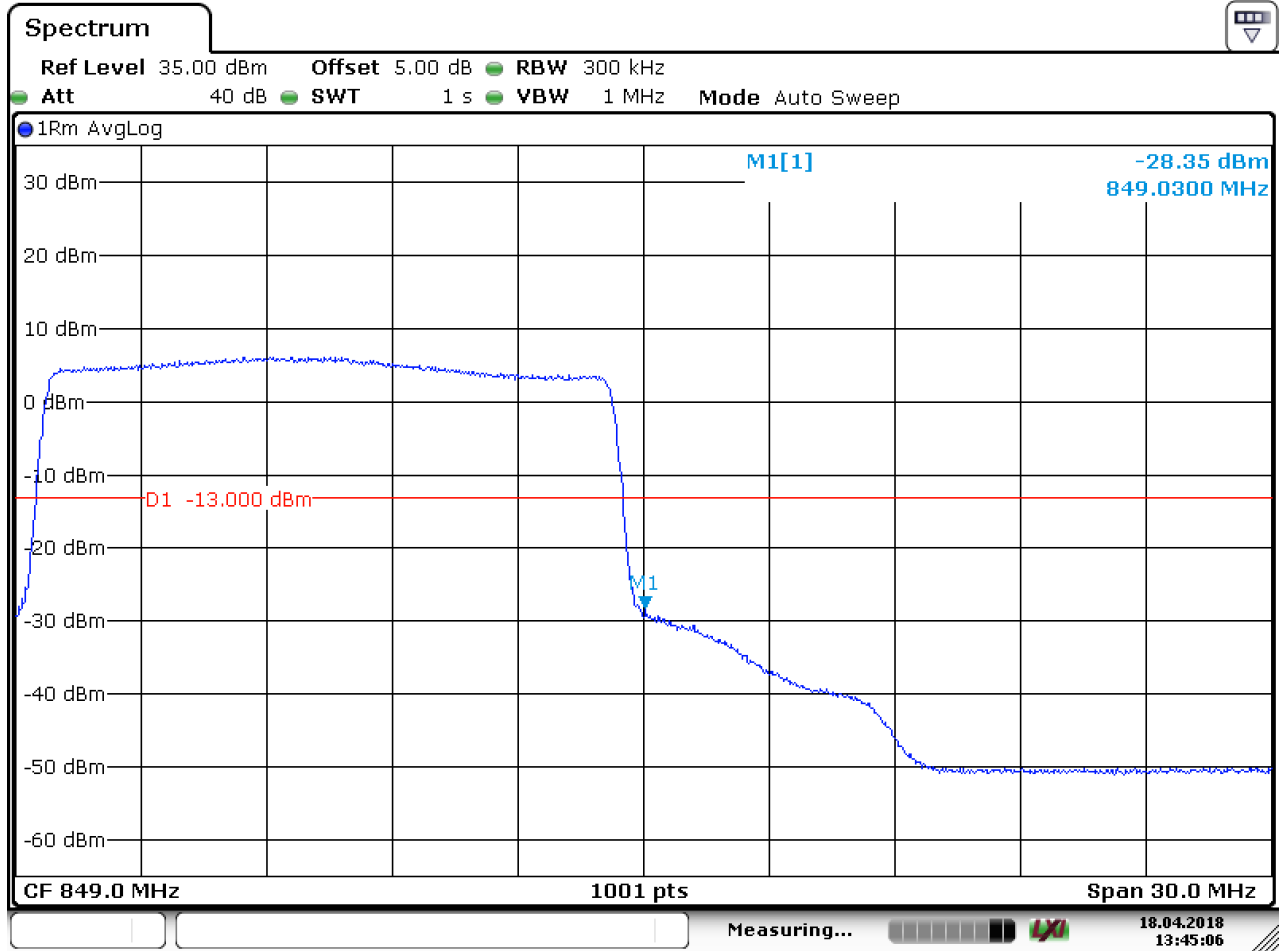
5.1.1.10.1.1 Test RB=1RB#74



Date: 18.APR.2018 13:45:43



5.1.1.10.1.2 Test RB=75RB#0



Date: 18.APR.2018 13:45:07

6 Spurious Emission at Antenna Terminal

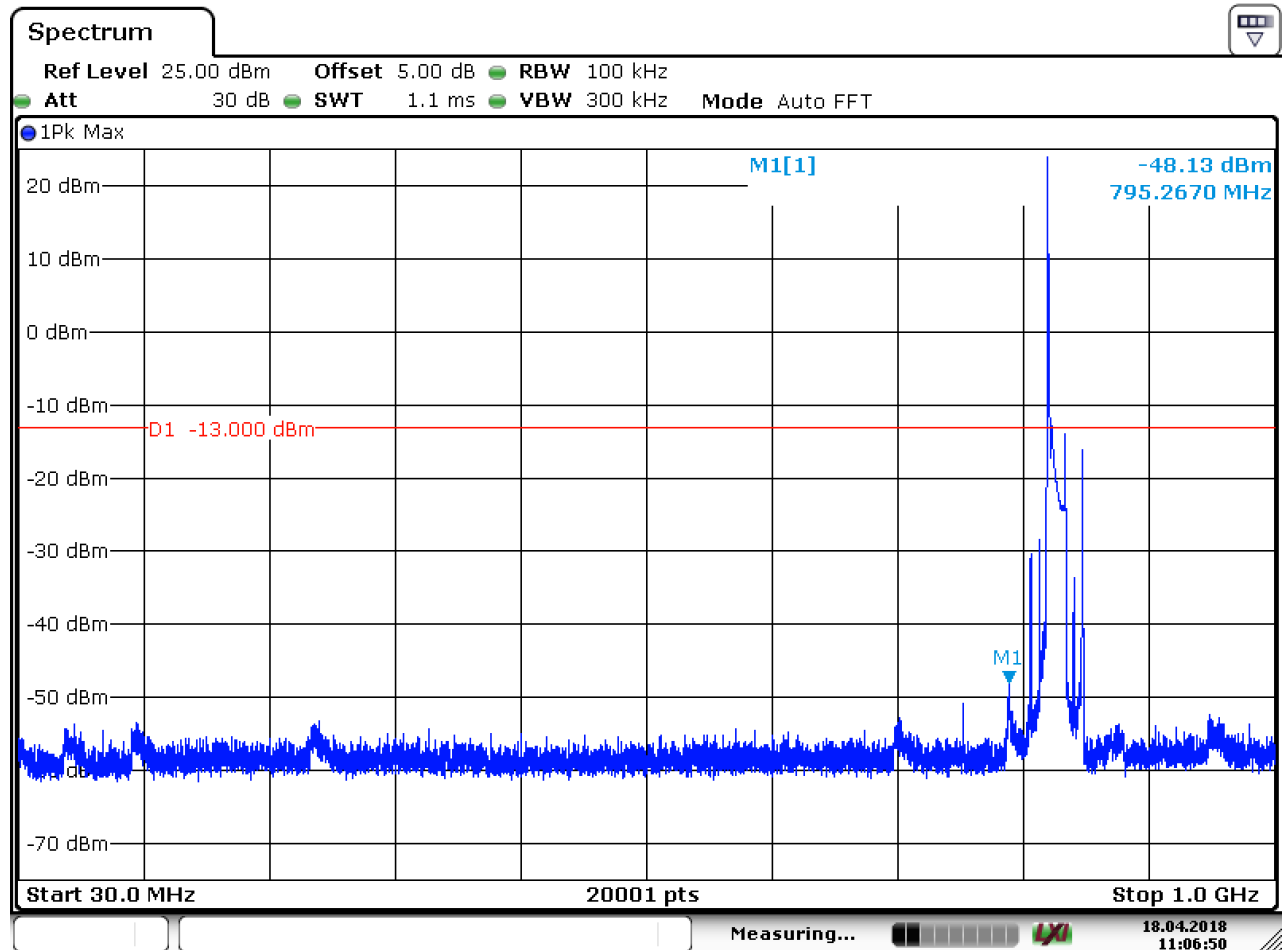
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k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

Part I - Test Plots

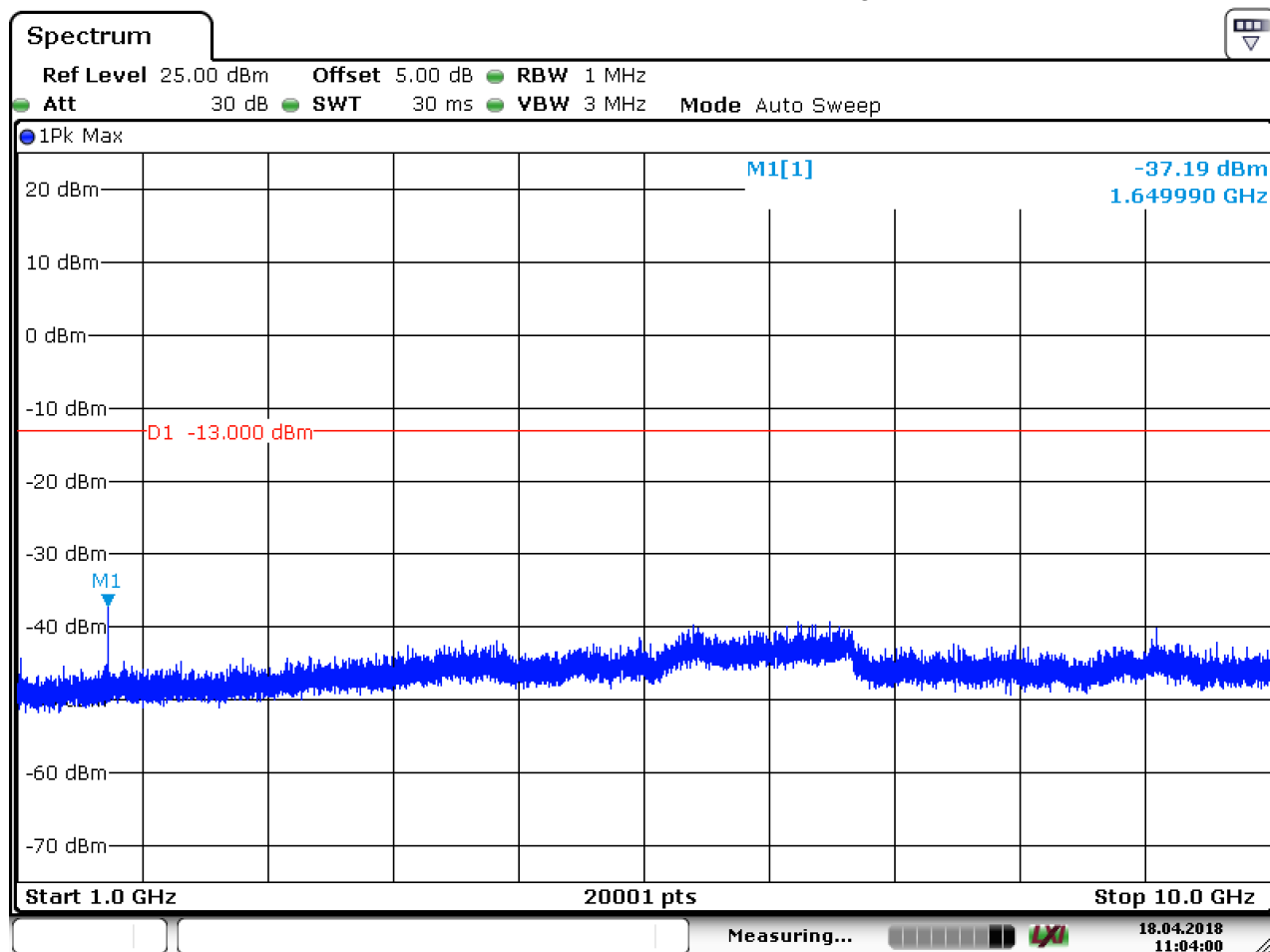
6.1 For LTE

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

6.1.1.1.1 Test Channel = LCH



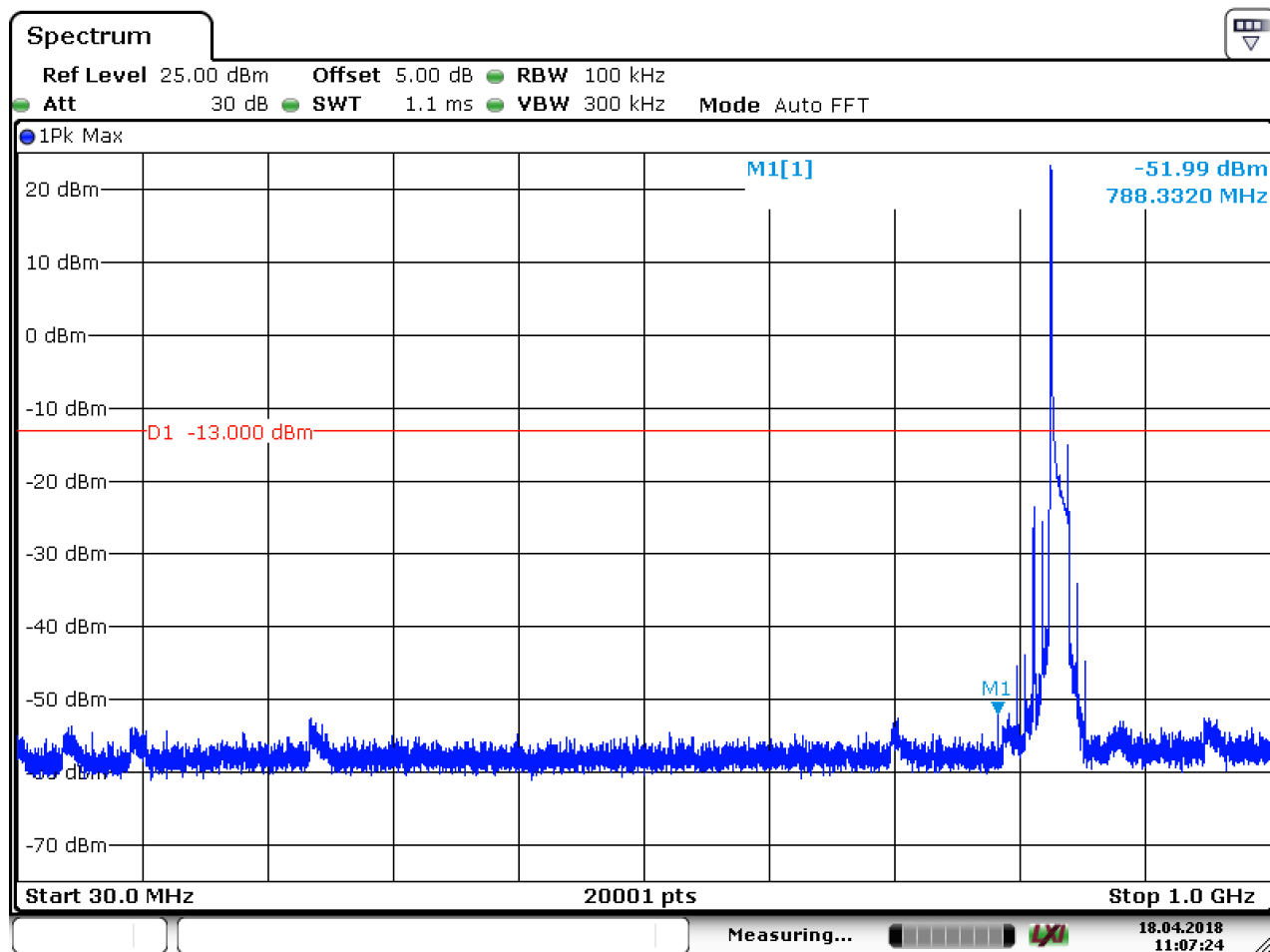
Date: 18.APR.2018 11:06:51



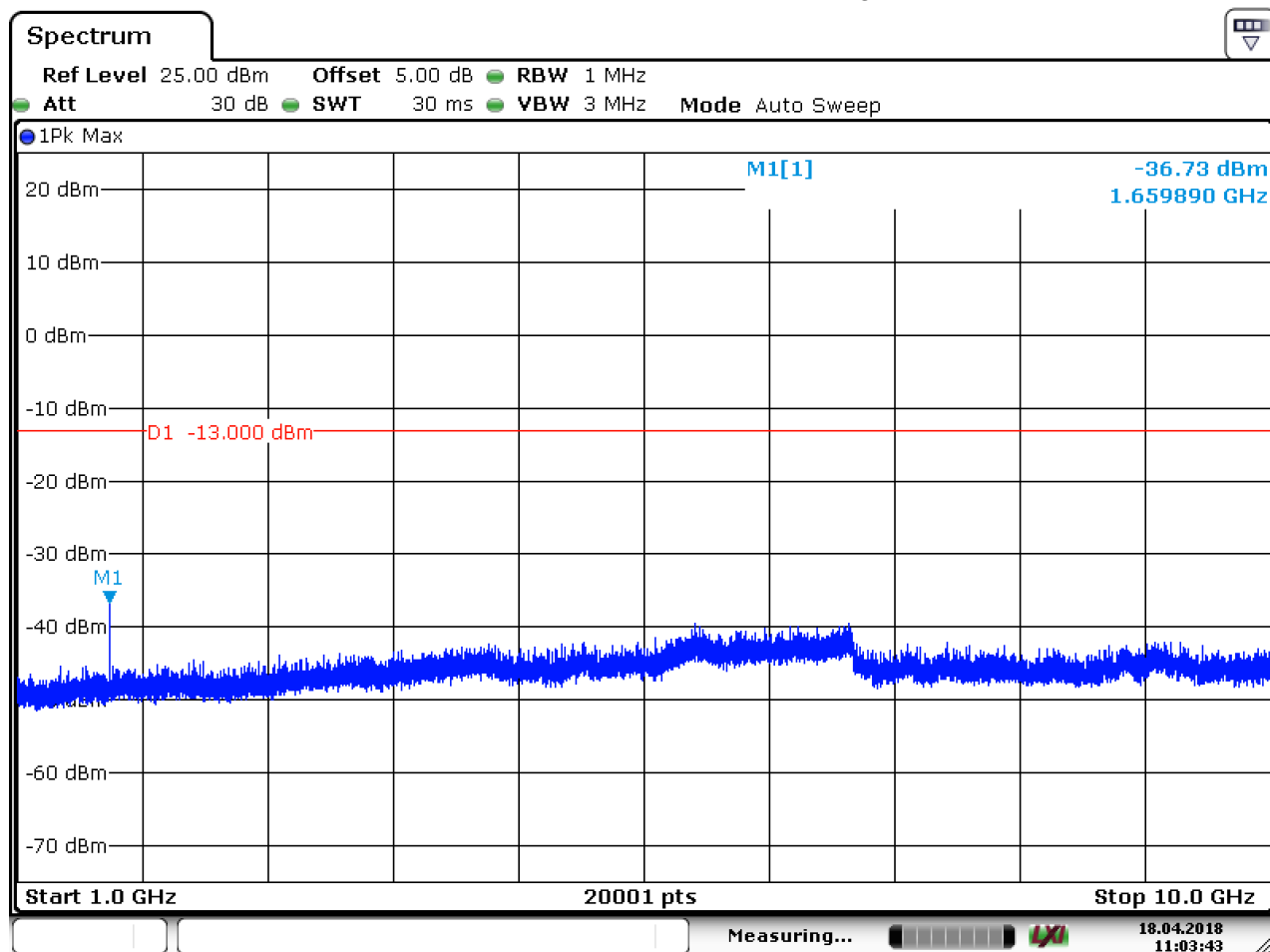
Date: 18.APR.2018 11:04:00



6.1.1.1.2 Test Channel = MCH



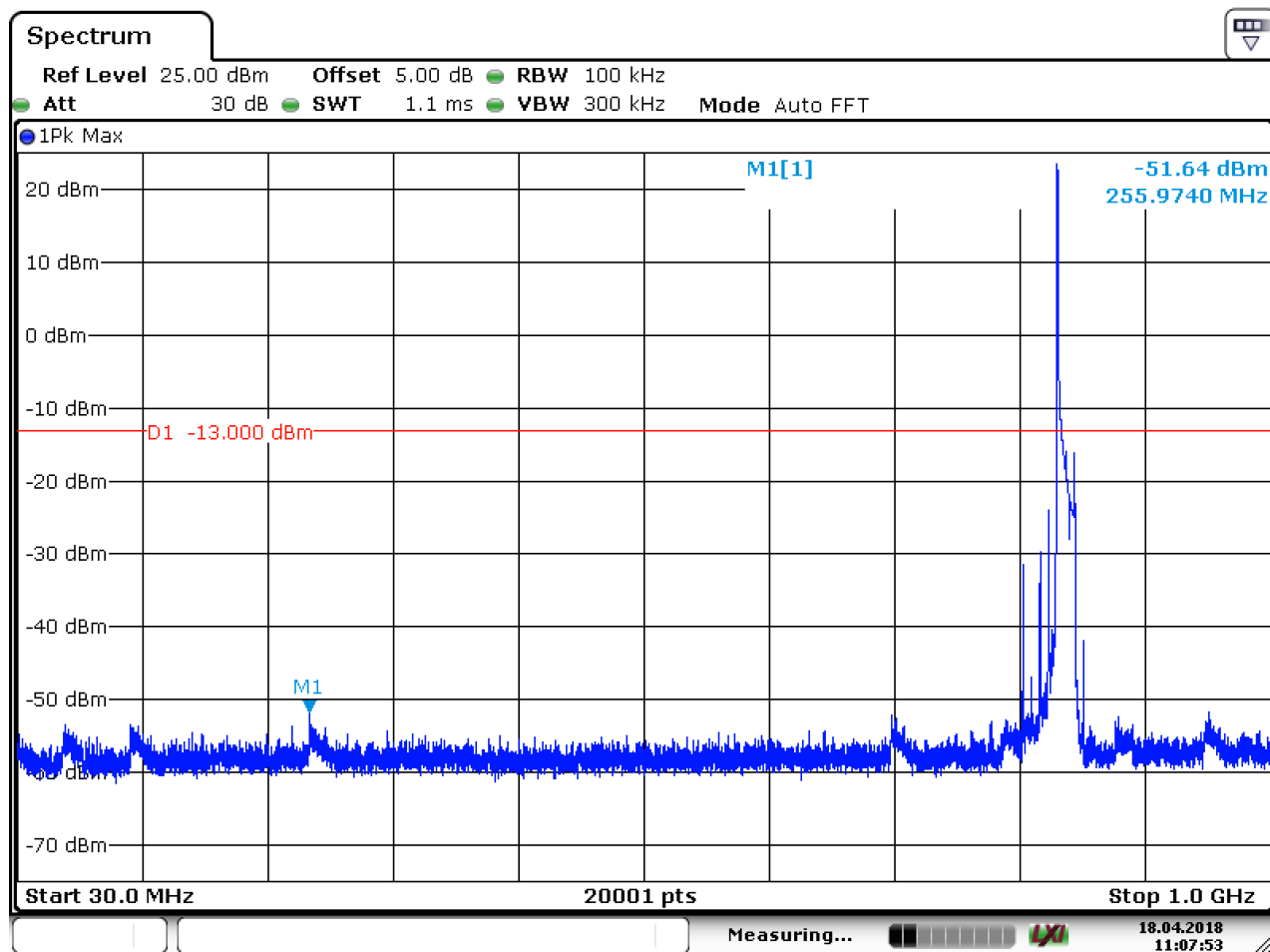
Date: 18.APR.2018 11:07:24



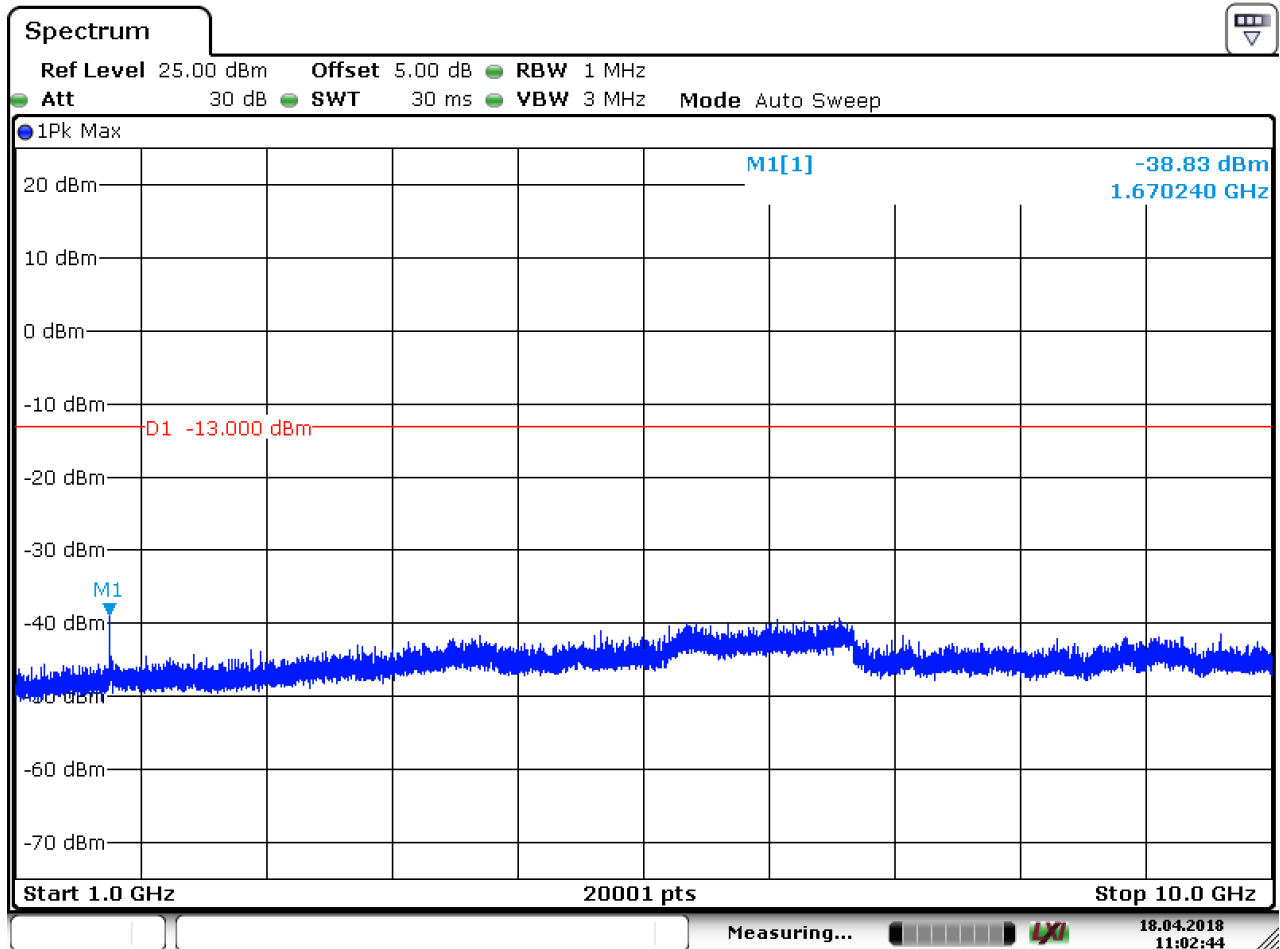
Date: 18.APR.2018 11:03:44



6.1.1.1.3 Test Channel = HCH



Date: 18.APR.2018 11:07:53



Date: 18.APR.2018 11:02:44

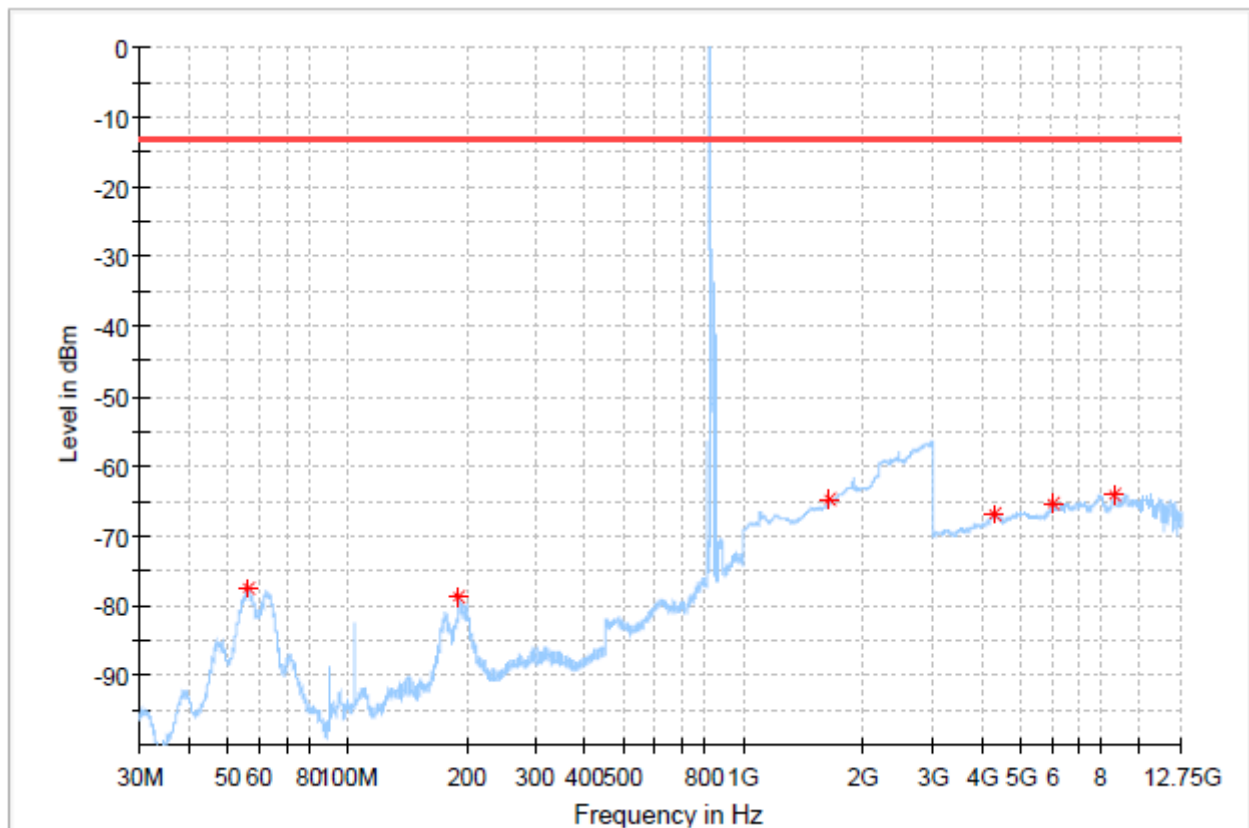
7 Field Strength of Spurious Radiation

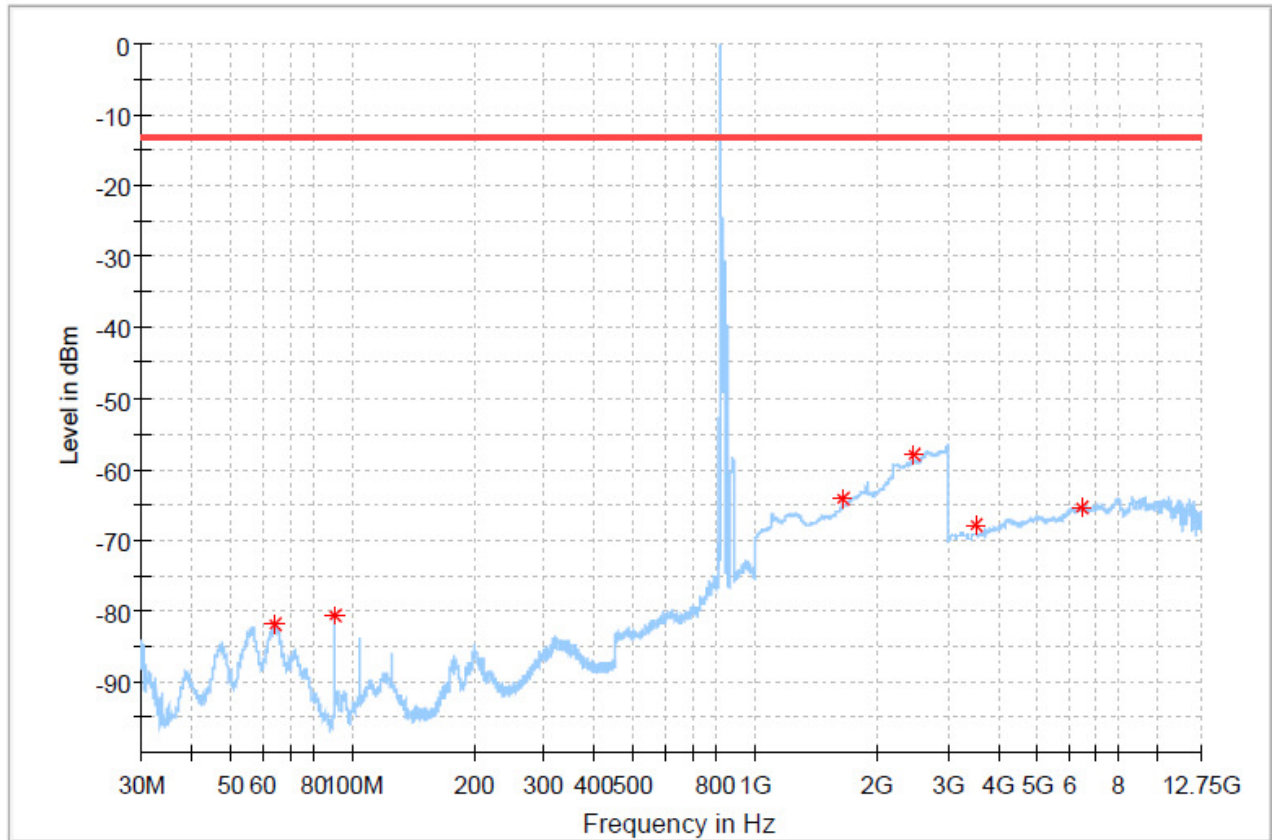
7.1 For LTE

7.1.1 Test Band = LTE band26

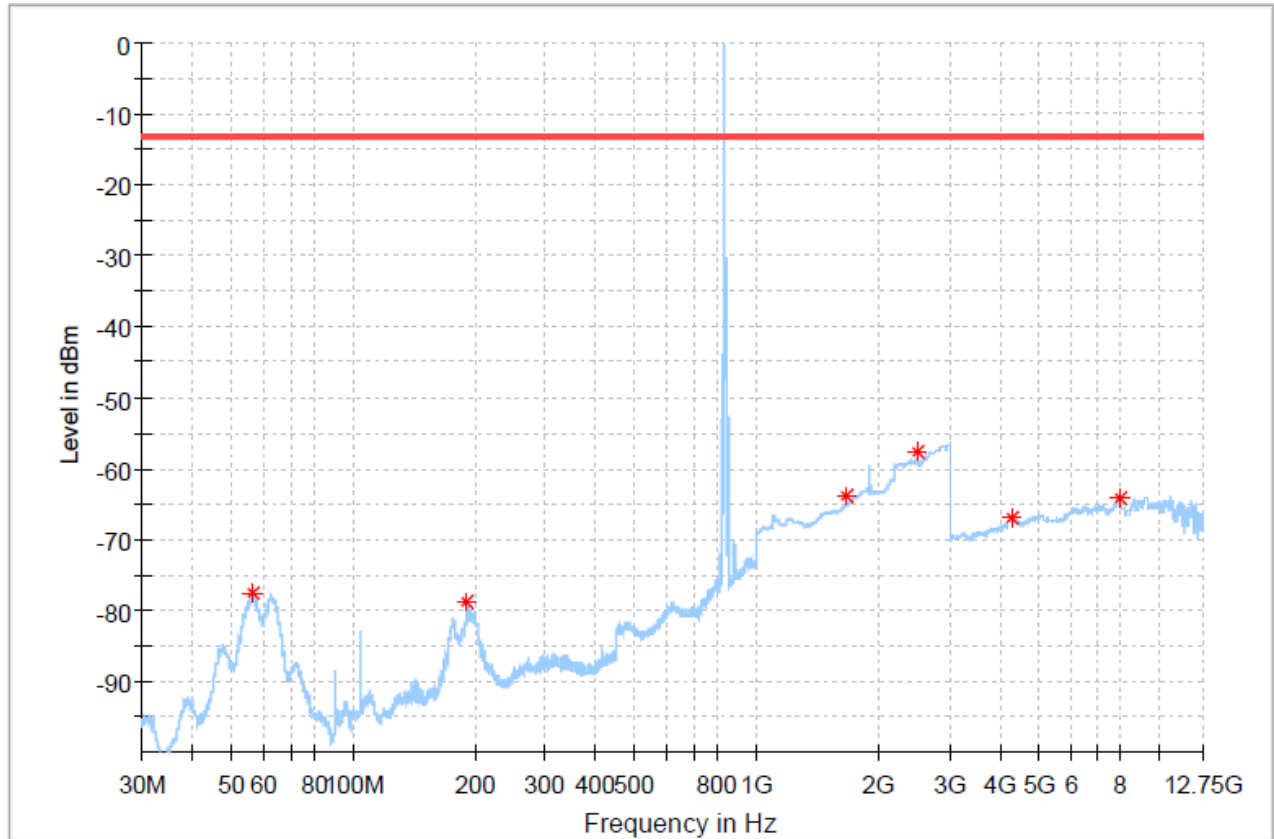
7.1.1.1 Test Mode =LTE/TM1 15MHz RB1#0- Diversity antenna

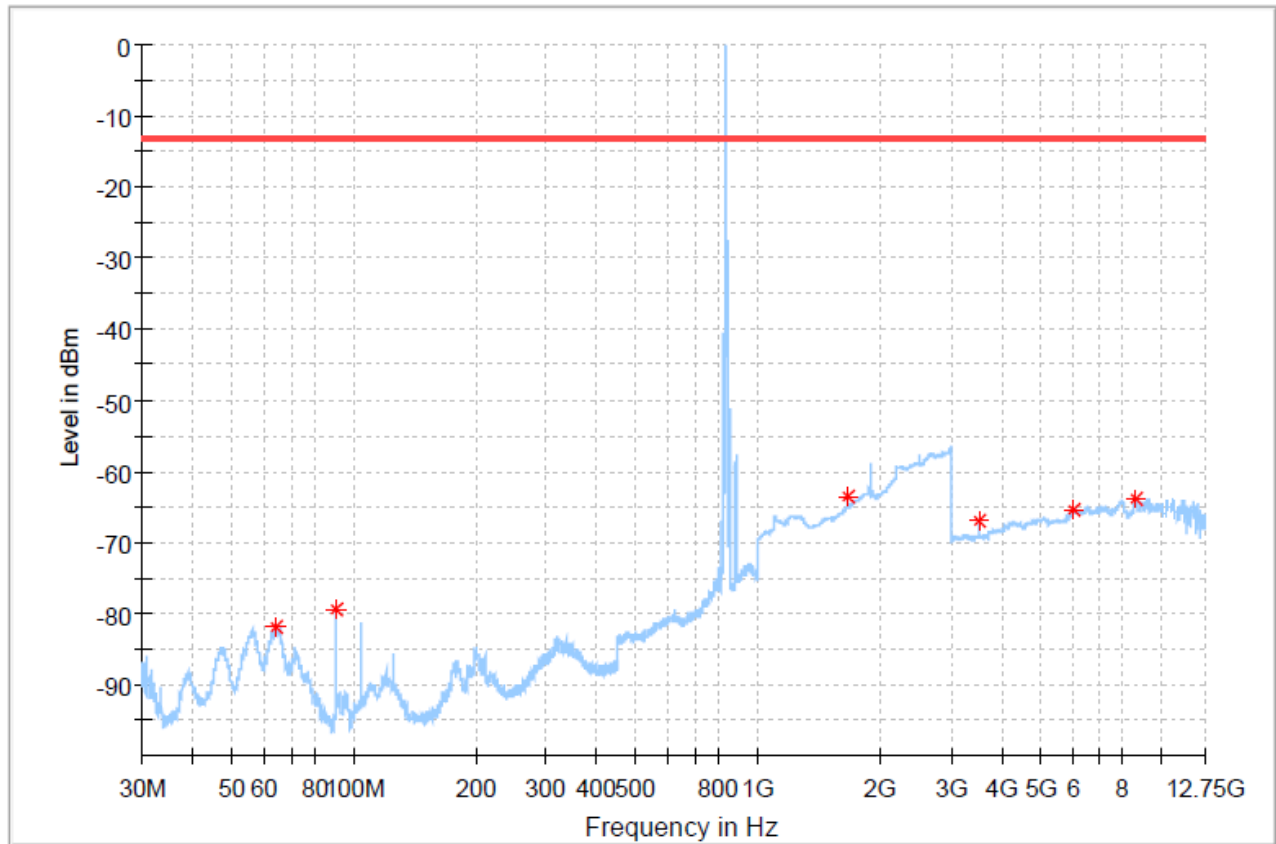
7.1.1.1.1 Test Channel = LCH



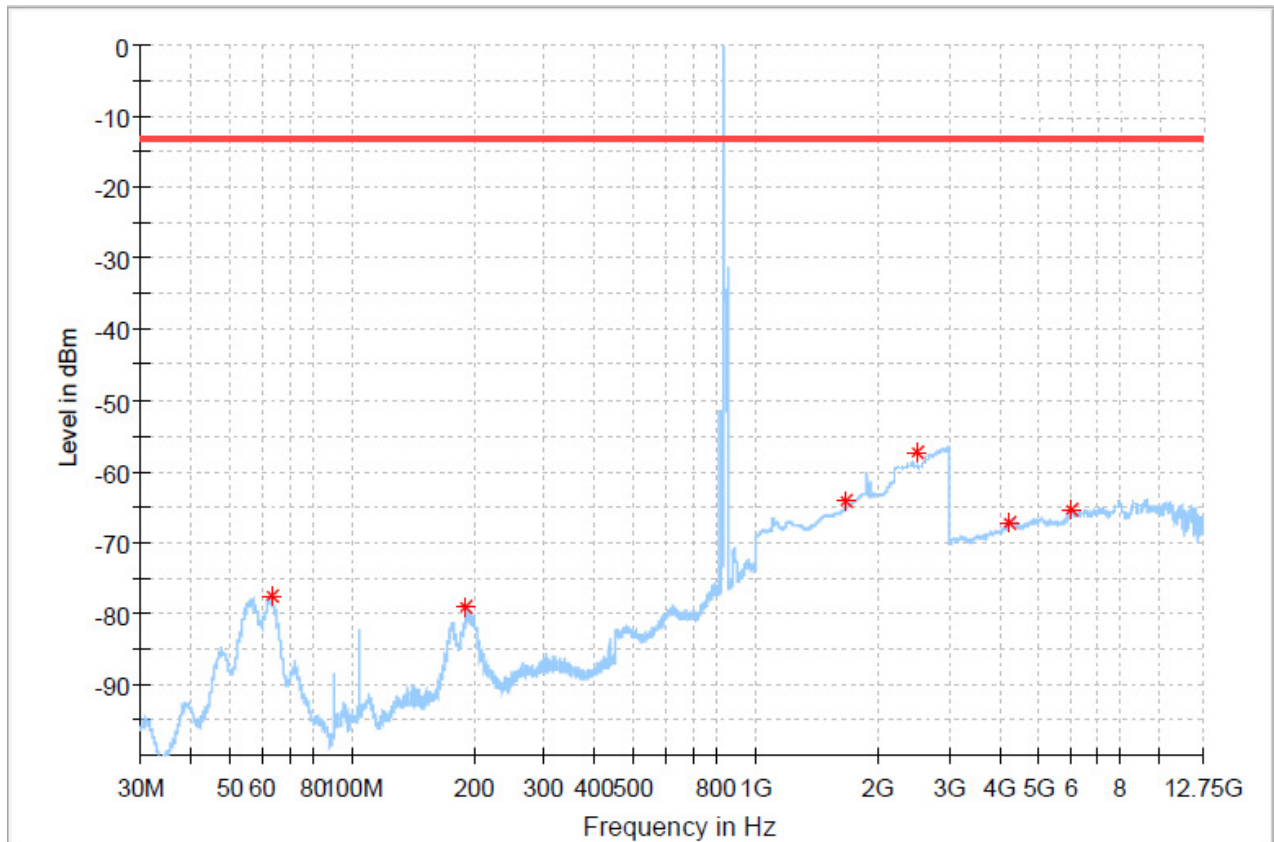


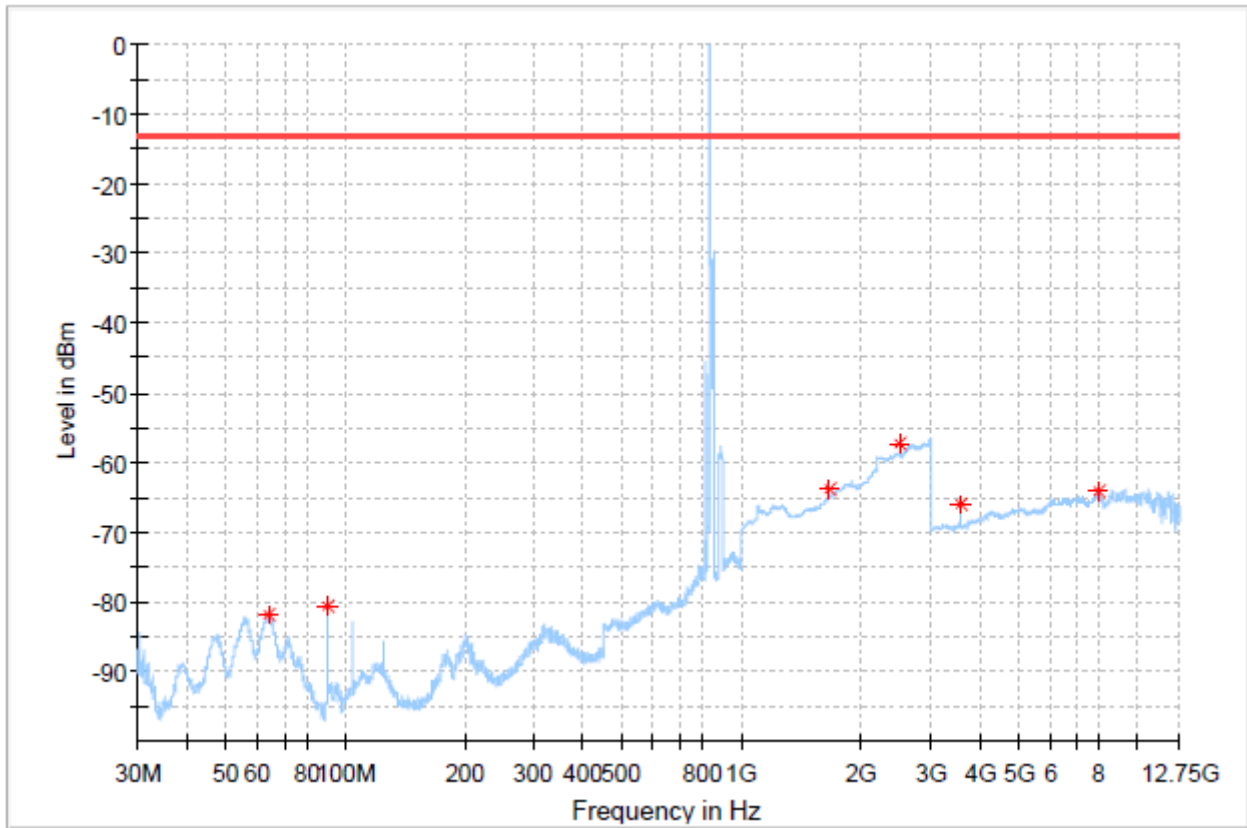
7.1.1.1.1 Test Channel = MCH





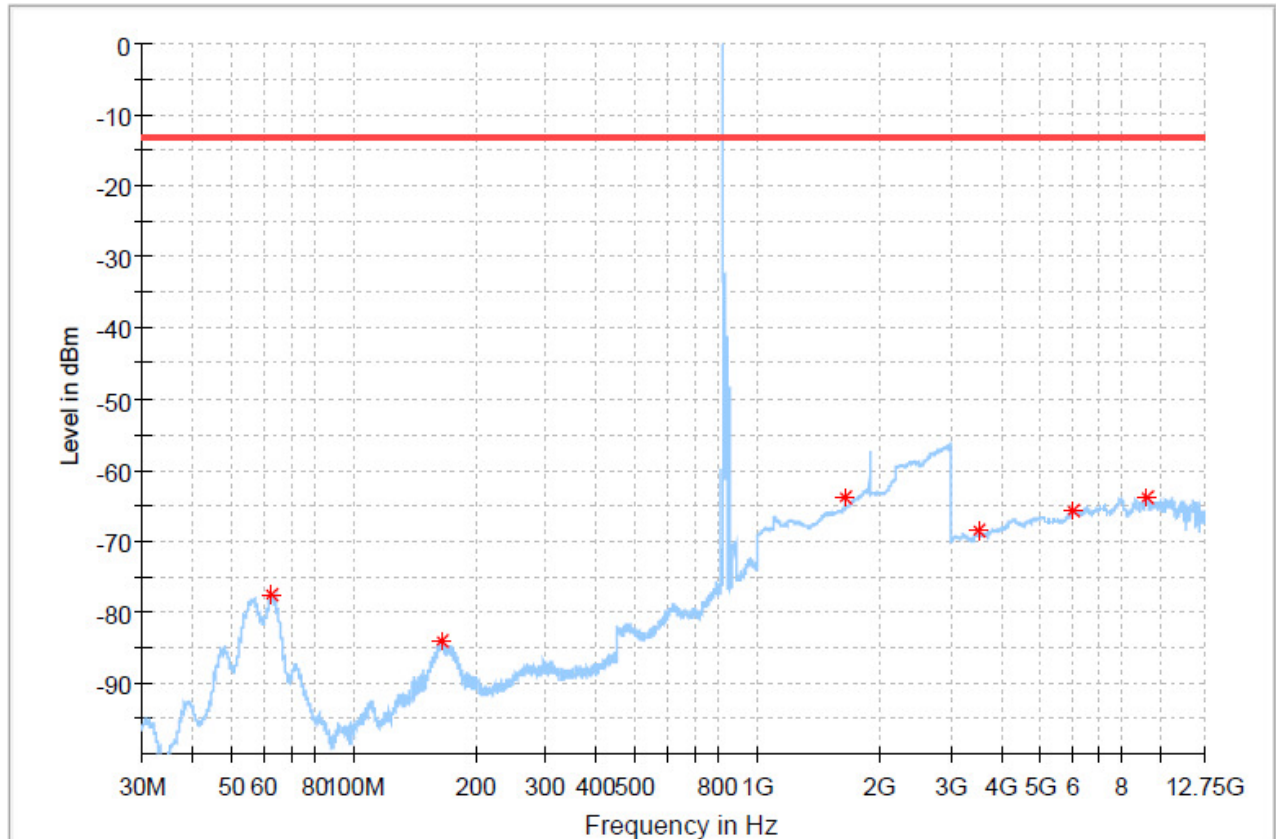
7.1.1.1.1 Test Channel = HCH

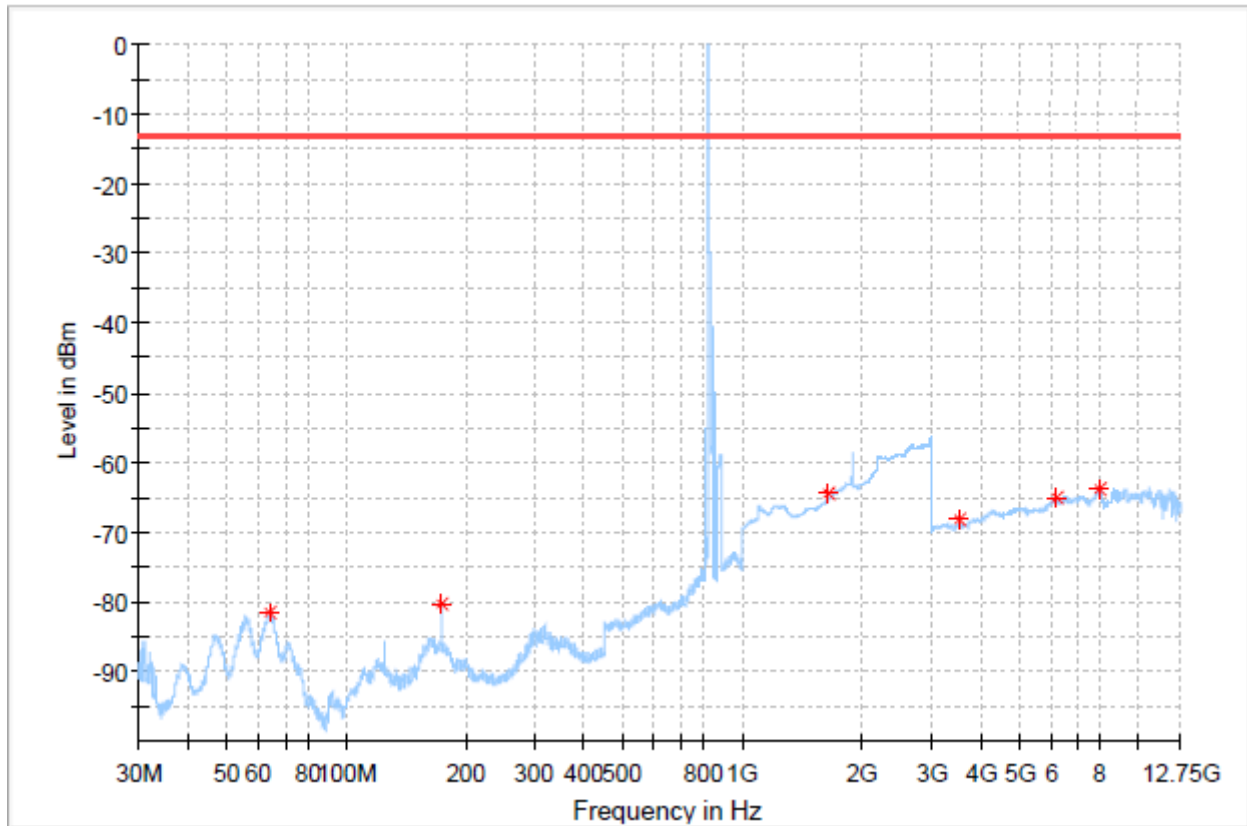




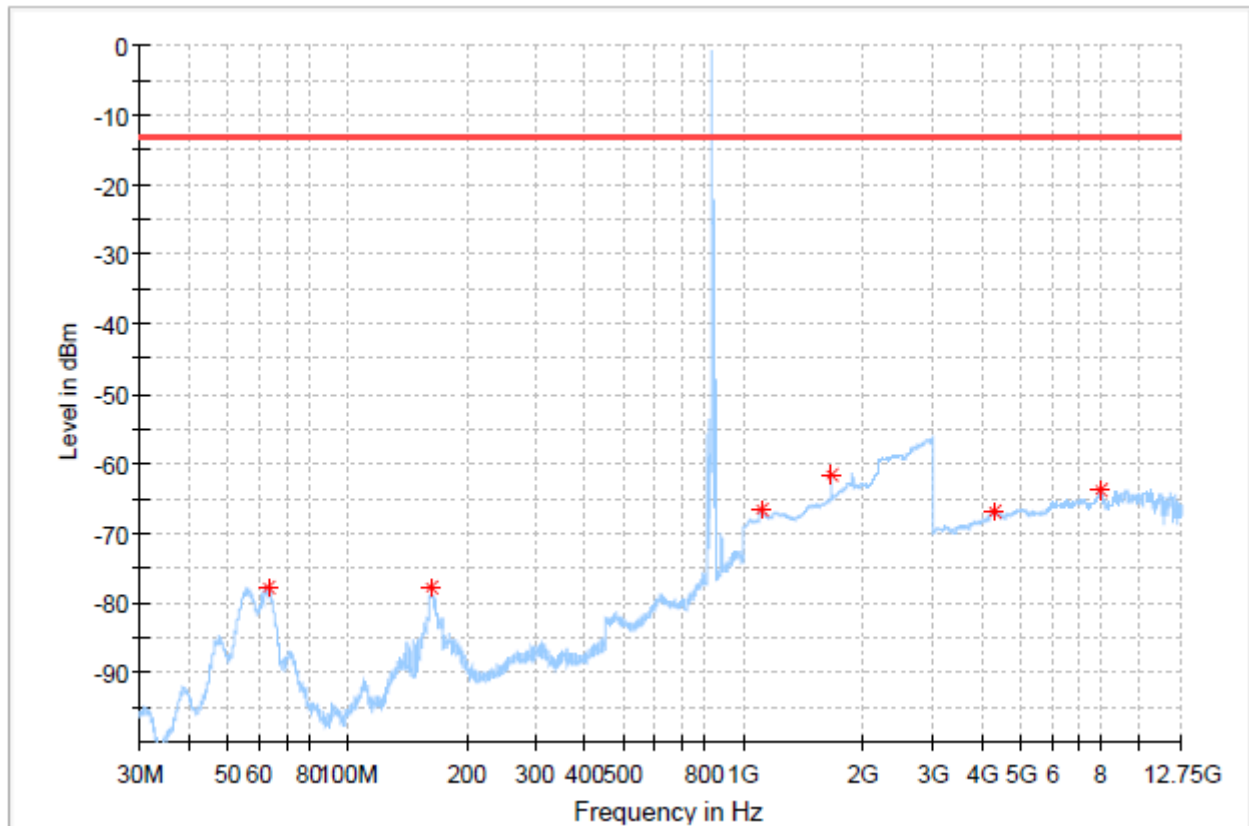
7.1.1.2 Test Mode =LTE/TM1 15MHz RB1#0- Main antenna

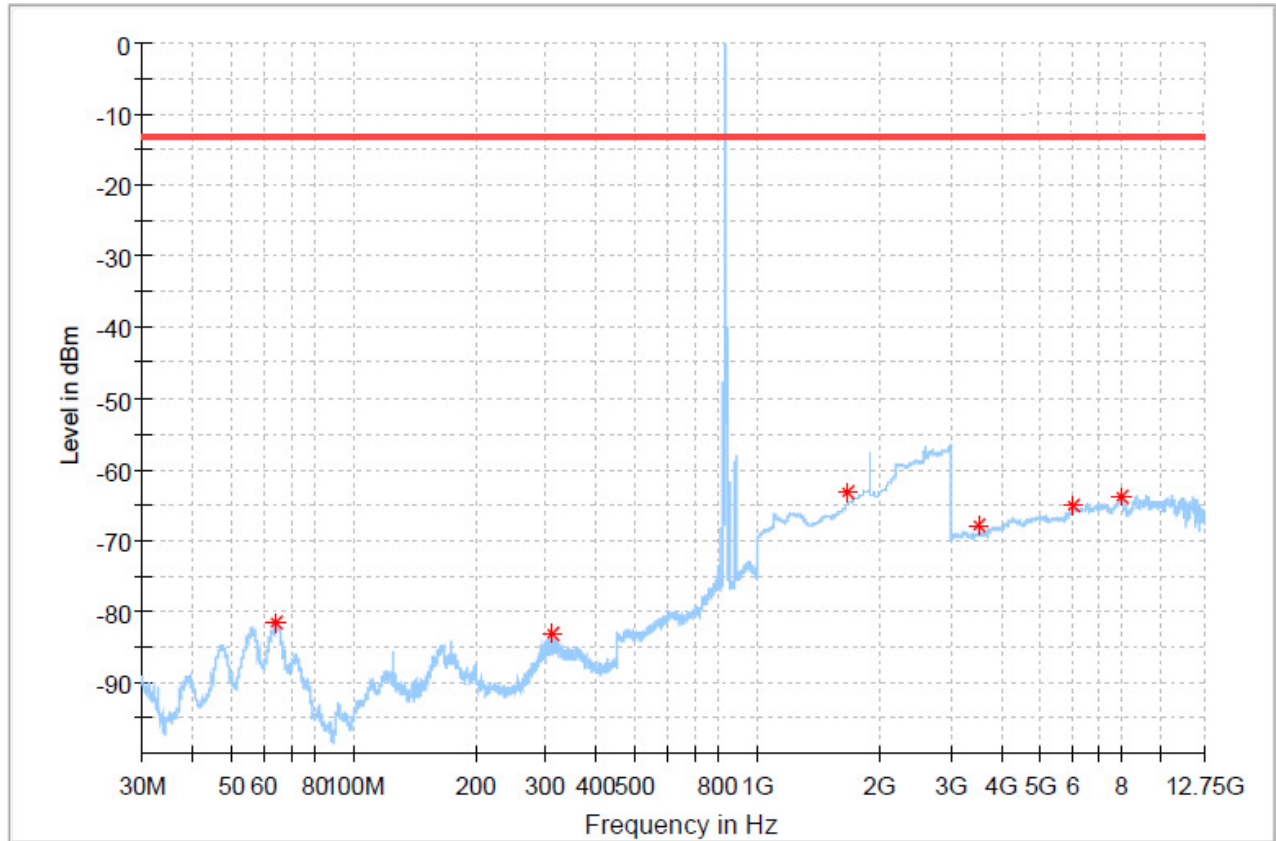
7.1.1.2.1 Test Channel = LCH



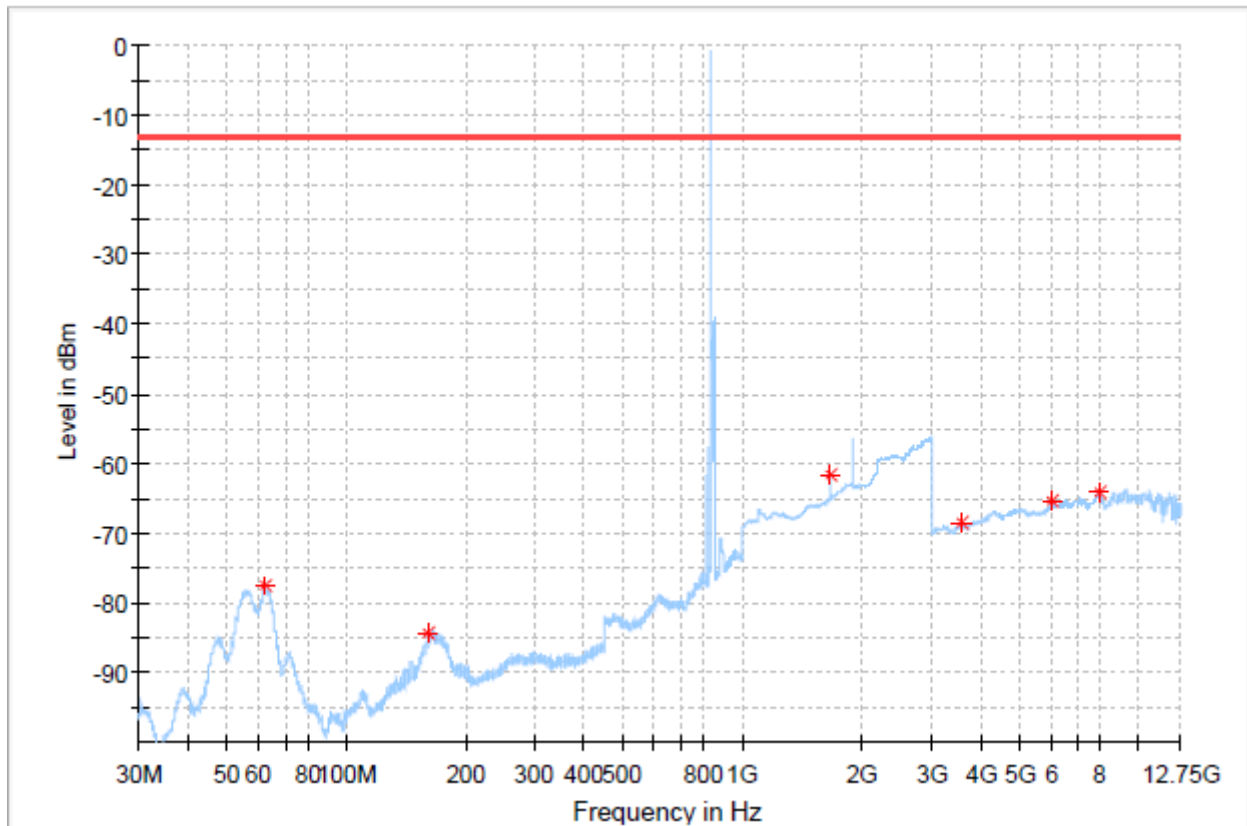


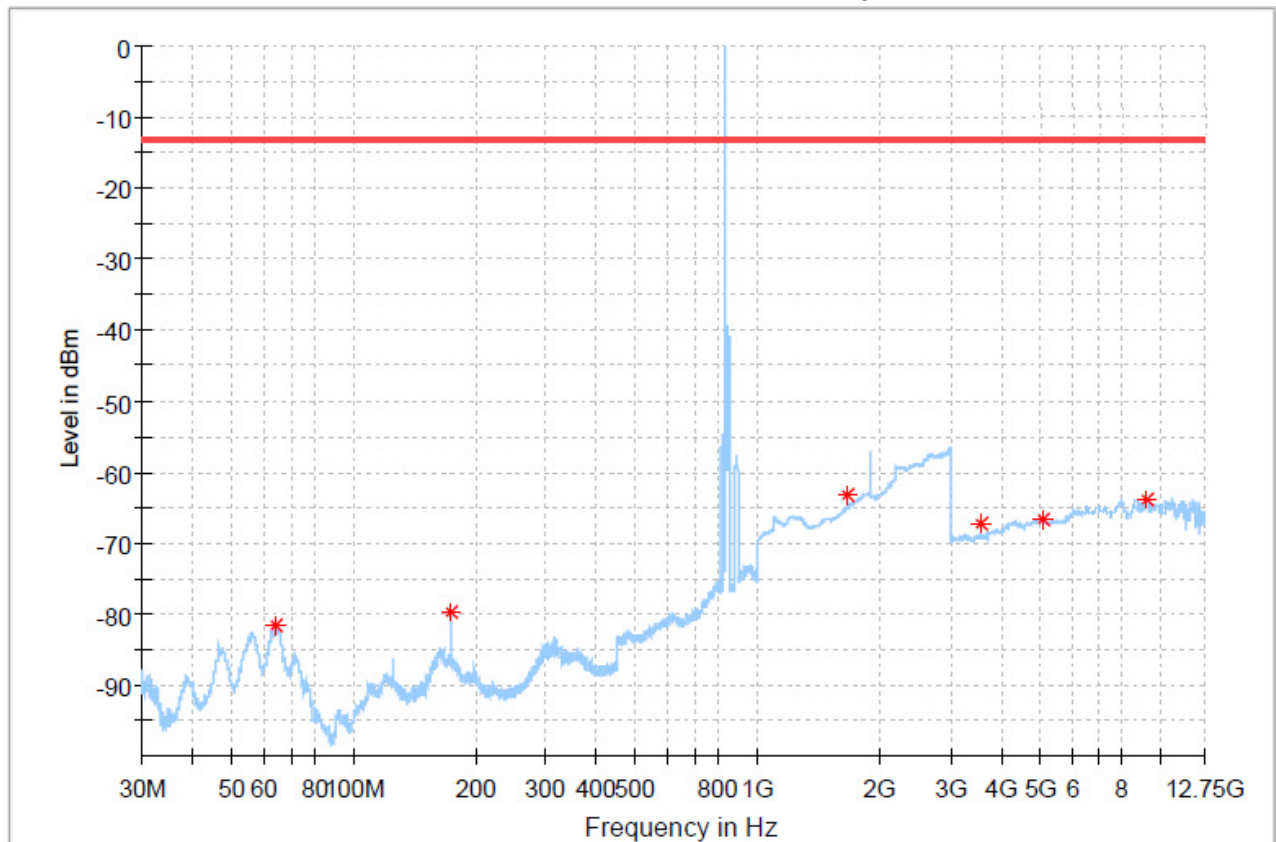
7.1.1.2.1 Test Channel = MCH





7.1.1.2.1 Test Channel = HCH





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.
- 2) We have tested all modulation and all Bandwidth, 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
LTE band26	LTE/TM1 15MHz	LCH	TN	VL	-2.45	-0.00295	PASS
				VN	1.31	0.00158	PASS
				VH	-5.62	-0.00676	PASS
		MCH	TN	VL	-4.92	-0.00588	PASS
				VN	-3.24	-0.00387	PASS
				VH	-4.82	-0.00576	PASS
		HCH	TN	VL	-4.52	-0.00537	PASS
				VN	-3.84	-0.00456	PASS
				VH	-4.82	-0.00573	PASS
	LTE/TM2 15MHz	LCH	TN	VL	-2.95	-0.00355	PASS
				VN	1.21	0.00146	PASS
				VH	-5.42	-0.00652	PASS
		MCH	TN	VL	-3.32	-0.00397	PASS
				VN	-1.34	-0.00160	PASS
				VH	-4.12	-0.00493	PASS
		HCH	TN	VL	4.32	0.00513	PASS
				VN	-2.34	-0.00278	PASS
				VH	-1.12	-0.00133	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 band26	LTE/TM1 15MHz	LCH	VN	-30	-4.58	-0.00551	PASS
				-20	-2.21	-0.00266	PASS
				-10	-2.78	-0.00334	PASS
				0	1.53	0.00184	PASS
				10	1.51	0.00182	PASS
				20	3.93	0.00473	PASS
				30	-0.66	-0.00079	PASS
				40	-2.73	-0.00328	PASS
				50	-6.25	-0.00752	PASS
		MCH	VN	-30	-4.33	-0.00518	PASS
				-20	-2.65	-0.00317	PASS
				-10	-2.43	-0.00290	PASS
				0	1.26	0.00151	PASS
				10	1.23	0.00147	PASS
				20	3.96	0.00473	PASS
				30	-0.64	-0.00077	PASS
				40	-2.73	-0.00326	PASS
				50	-6.26	-0.00748	PASS
		HCH	VN	-30	-4.34	-0.00516	PASS
				-20	-2.66	-0.00316	PASS
				-10	-2.47	-0.00294	PASS
				0	1.24	0.00147	PASS
				10	1.26	0.00150	PASS
				20	3.98	0.00473	PASS
				30	-0.64	-0.00076	PASS
				40	-2.77	-0.00329	PASS
				50	-6.41	-0.00762	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE band26	LTE/TM2 15MHz	LCH	VN	-30	-3.25	-0.00391	PASS
				-20	-2.46	-0.00296	PASS
				-10	1.87	0.00225	PASS
				0	2.44	0.00293	PASS
				10	1.88	0.00226	PASS
				20	-0.34	-0.00041	PASS
				30	-3.56	-0.00428	PASS
				40	2.97	0.00357	PASS
				50	-4.43	-0.00533	PASS
		MCH	VN	-30	-3.55	-0.00424	PASS
				-20	-2.86	-0.00342	PASS
				-10	1.67	0.00200	PASS
				0	2.34	0.00280	PASS
				10	1.88	0.00225	PASS
				20	-0.64	-0.00077	PASS
				30	-3.56	-0.00426	PASS
				40	2.47	0.00295	PASS
				50	-4.43	-0.00530	PASS
		HCH	VN	-30	-3.67	-0.00436	PASS
				-20	-2.44	-0.00290	PASS
				-10	1.23	0.00146	PASS
				0	2.25	0.00267	PASS
				10	1.78	0.00212	PASS
				20	-0.85	-0.00101	PASS
				30	-3.88	-0.00461	PASS
				40	2.28	0.00271	PASS
				50	-4.86	-0.00578	PASS

The End