

Appendix for LTE Band 26B

Model: LGE-NX9

BTL-FCCP-1-2203G019

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1. APPENDIX A - EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

1.1 TEST RESULTS

Effective (Isotropic) Radiated Power of Transmitter									
Test Mode	Test Bandwidth	Test Channel	Test RB	Modulation	Measured [dBm]	Gain [dBi]	ERP [dBm]	Limit [dBm]	Verdict
TM1	1.4	LCH	RB6#0	QPSK	23.87	-6.0	15.72	38.45	PASS
			RB1#0	QPSK	24.23	-6.0	16.08	38.45	PASS
			RB1#5	QPSK	24.31	-6.0	16.16	38.45	PASS
		MCH	RB6#0	QPSK	23.74	-6.0	15.59	38.45	PASS
			RB1#0	QPSK	24.30	-6.0	16.15	38.45	PASS
			RB1#5	QPSK	24.28	-6.0	16.13	38.45	PASS
		HCH	RB6#0	QPSK	23.61	-6.0	15.46	38.45	PASS
			RB1#0	QPSK	24.08	-6.0	15.93	38.45	PASS
			RB1#5	QPSK	24.08	-6.0	15.93	38.45	PASS
	5	LCH	RB25#0	QPSK	23.90	-6.0	15.75	38.45	PASS
			RB1#0	QPSK	24.31	-6.0	16.16	38.45	PASS
			RB1#24	QPSK	24.30	-6.0	16.15	38.45	PASS
		MCH	RB25#0	QPSK	23.81	-6.0	15.66	38.45	PASS
			RB1#0	QPSK	24.26	-6.0	16.11	38.45	PASS
			RB1#24	QPSK	24.22	-6.0	16.07	38.45	PASS
		HCH	RB25#0	QPSK	23.64	-6.0	15.49	38.45	PASS
			RB1#0	QPSK	24.21	-6.0	16.06	38.45	PASS
			RB1#24	QPSK	24.11	-6.0	15.96	38.45	PASS
	15	LCH	RB75#0	QPSK	23.70	-6.0	15.55	38.45	PASS
			RB1#0	QPSK	24.14	-6.0	15.99	38.45	PASS
			RB1#74	QPSK	24.04	-6.0	15.89	38.45	PASS
		MCH	RB75#0	QPSK	23.69	-6.0	15.54	38.45	PASS
			RB1#0	QPSK	24.14	-6.0	15.99	38.45	PASS
			RB1#74	QPSK	24.04	-6.0	15.89	38.45	PASS
		HCH	RB75#0	QPSK	23.57	-6.0	15.42	38.45	PASS
			RB1#0	QPSK	24.18	-6.0	16.03	38.45	PASS
			RB1#74	QPSK	23.94	-6.0	15.79	38.45	PASS

Effective (Isotropic) Radiated Power of Transmitter									
Test Mode	Test Bandwidth	Test Channel	Test RB	Modulation	Measured [dBm]	Gain [dBi]	ERP [dBm]	Limit [dBm]	Verdict
TM2	1.4	LCH	RB6#0	16QAM	22.82	-6.0	14.67	38.45	PASS
			RB1#0	16QAM	23.99	-6.0	15.84	38.45	PASS
			RB1#5	16QAM	24.15	-6.0	16.00	38.45	PASS
		MCH	RB6#0	16QAM	22.81	-6.0	14.66	38.45	PASS
			RB1#0	16QAM	24.01	-6.0	15.86	38.45	PASS
			RB1#5	16QAM	23.95	-6.0	15.80	38.45	PASS
		HCH	RB6#0	16QAM	22.65	-6.0	14.50	38.45	PASS
			RB1#0	16QAM	23.75	-6.0	15.60	38.45	PASS
			RB1#5	16QAM	23.60	-6.0	15.45	38.45	PASS
	5	LCH	RB25#0	16QAM	22.97	-6.0	14.82	38.45	PASS
			RB1#0	16QAM	24.17	-6.0	16.02	38.45	PASS
			RB1#24	16QAM	24.09	-6.0	15.94	38.45	PASS
		MCH	RB25#0	16QAM	22.91	-6.0	14.76	38.45	PASS
			RB1#0	16QAM	24.35	-6.0	16.20	38.45	PASS
			RB1#24	16QAM	24.24	-6.0	16.09	38.45	PASS
		HCH	RB25#0	16QAM	22.76	-6.0	14.61	38.45	PASS
			RB1#0	16QAM	24.05	-6.0	15.90	38.45	PASS
			RB1#24	16QAM	24.13	-6.0	15.98	38.45	PASS
	15	LCH	RB75#0	16QAM	22.75	-6.0	14.60	38.45	PASS
			RB1#0	16QAM	24.11	-6.0	15.96	38.45	PASS
			RB1#74	16QAM	23.90	-6.0	15.75	38.45	PASS
		MCH	RB75#0	16QAM	22.76	-6.0	14.61	38.45	PASS
			RB1#0	16QAM	24.08	-6.0	15.93	38.45	PASS
			RB1#74	16QAM	23.95	-6.0	15.80	38.45	PASS
		HCH	RB75#0	16QAM	22.67	-6.0	14.52	38.45	PASS
			RB1#0	16QAM	24.02	-6.0	15.87	38.45	PASS
			RB1#74	16QAM	23.54	-6.0	15.39	38.45	PASS

2. APPENDIX B - PEAK-TO-AVERAGE RATIO

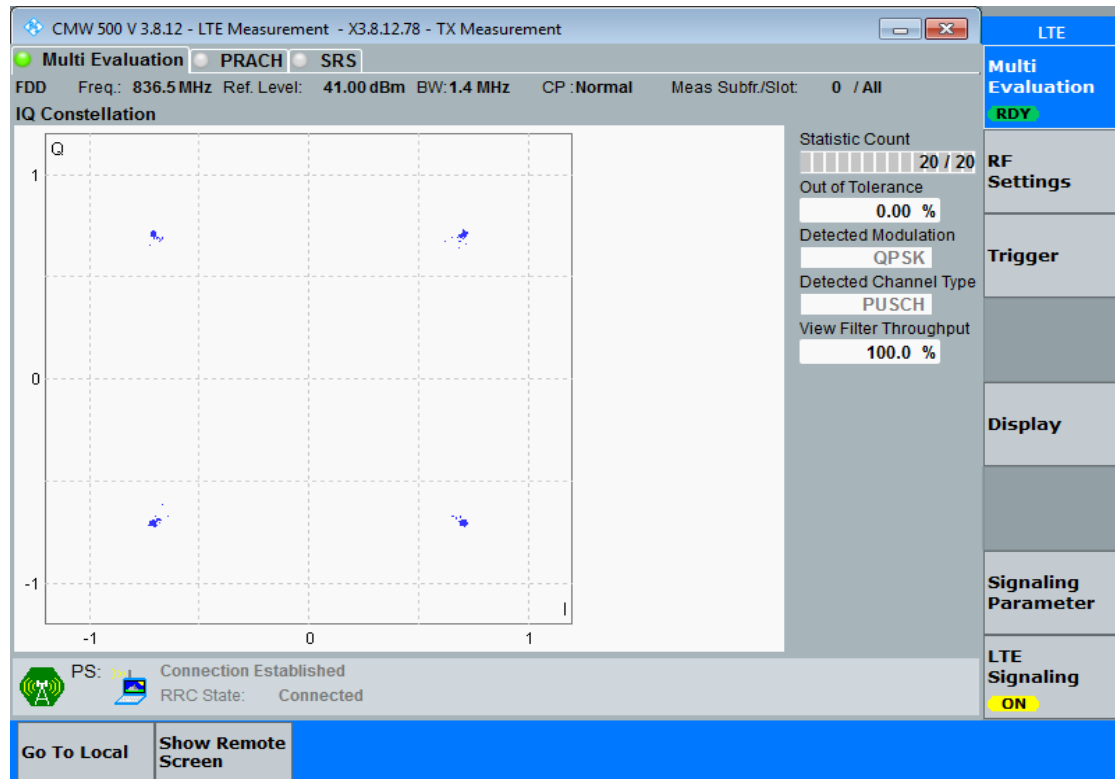
2.1 TEST RESULTS

Peak-to-Average Ratio							
Test Mode	Test Bandwidth	Test Channel	Test RB	Modulation	Measured [dBm]	Limit [dBm]	Verdict
TM1	1.4	MCH	RB6#0	QPSK	4.88	13	PASS
			RB1#0	QPSK	4.24	13	PASS
			RB1#5	QPSK	4.12	13	PASS
	5		RB25#0	QPSK	5.26	13	PASS
			RB1#0	QPSK	3.86	13	PASS
			RB1#24	QPSK	3.85	13	PASS
	15		RB75#0	QPSK	5.58	13	PASS
			RB1#0	QPSK	4.14	13	PASS
			RB1#74	QPSK	4.09	13	PASS
TM2	1.4		RB6#0	16QAM	5.72	13	PASS
			RB1#0	16QAM	4.85	13	PASS
			RB1#5	16QAM	4.82	13	PASS
	5		RB25#0	16QAM	6.19	13	PASS
			RB1#0	16QAM	4.40	13	PASS
			RB1#24	16QAM	4.35	13	PASS
	15		RB75#0	16QAM	6.59	13	PASS
			RB1#0	16QAM	4.63	13	PASS
			RB1#74	16QAM	4.52	13	PASS
TM3	1.4		RB6#0	64QAM	6.15	13	PASS
			RB1#0	64QAM	5.52	13	PASS
			RB1#5	64QAM	5.53	13	PASS
	5		RB25#0	64QAM	6.77	13	PASS
			RB1#0	64QAM	5.31	13	PASS
			RB1#24	64QAM	5.24	13	PASS
	15		RB75#0	64QAM	7.25	13	PASS
			RB1#0	64QAM	5.69	13	PASS
			RB1#74	64QAM	5.52	13	PASS

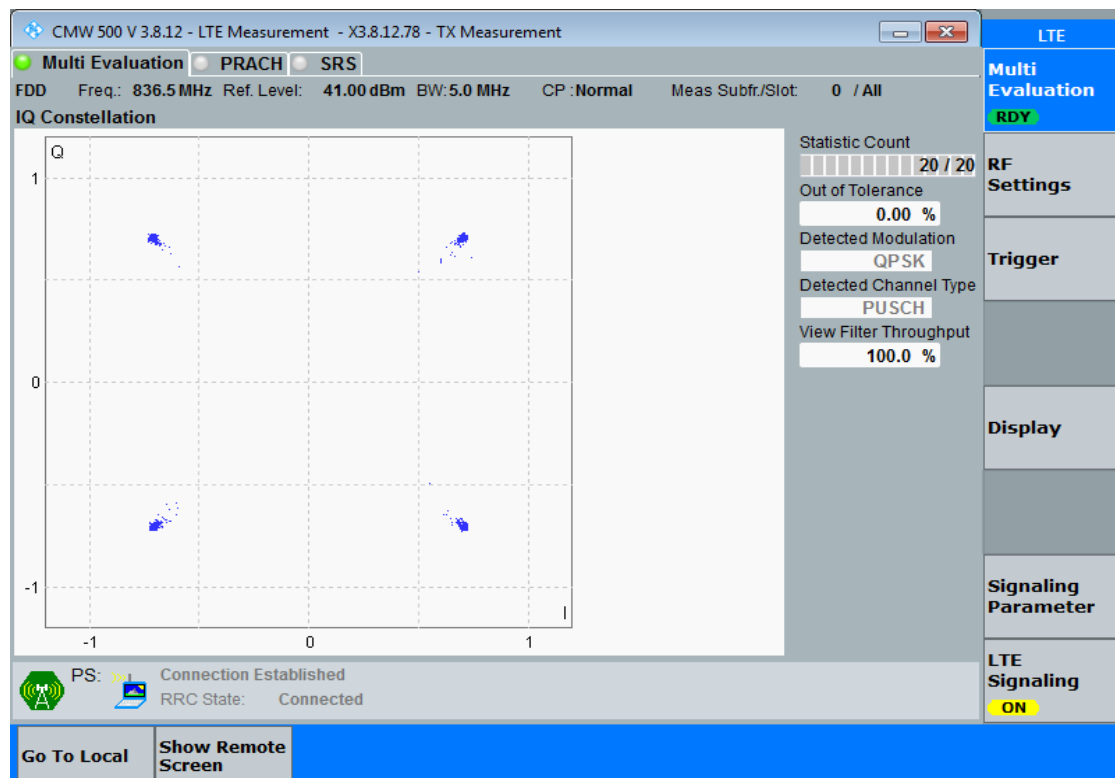
3. APPENDIX C - MODULATION CHARACTERISTICS

3.1 TEST PLOTS

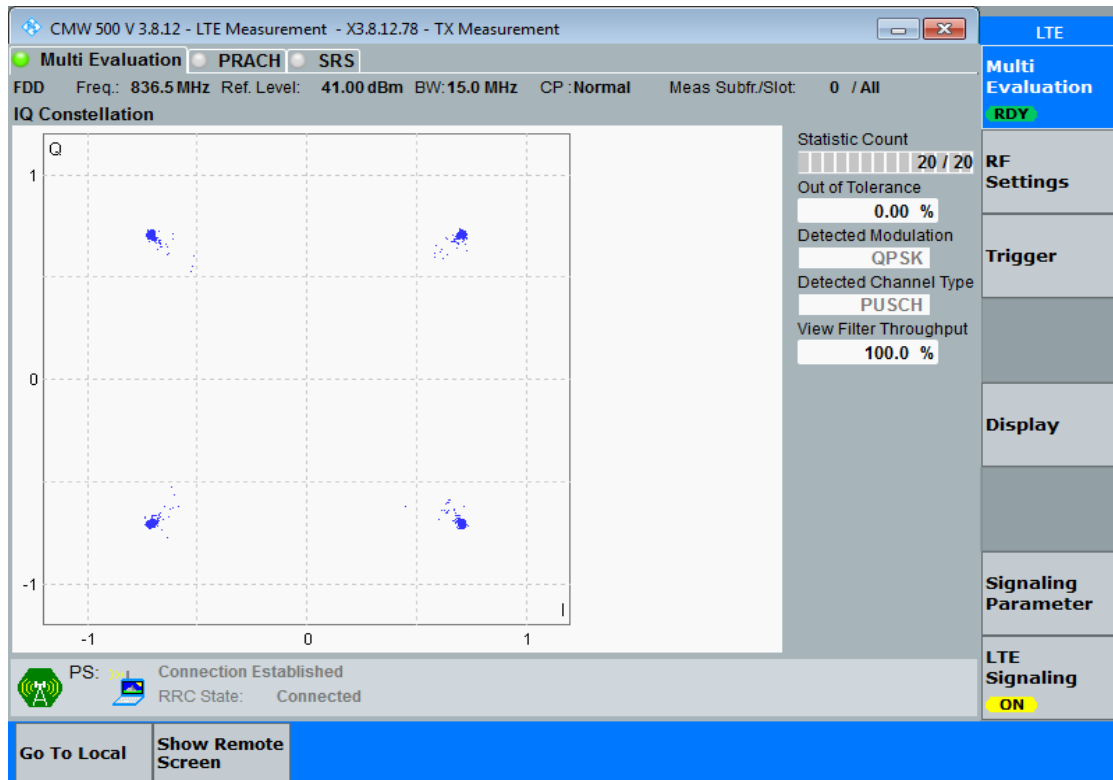
3.1.1 TM1_1.4MHZ_MCH_RB6#0



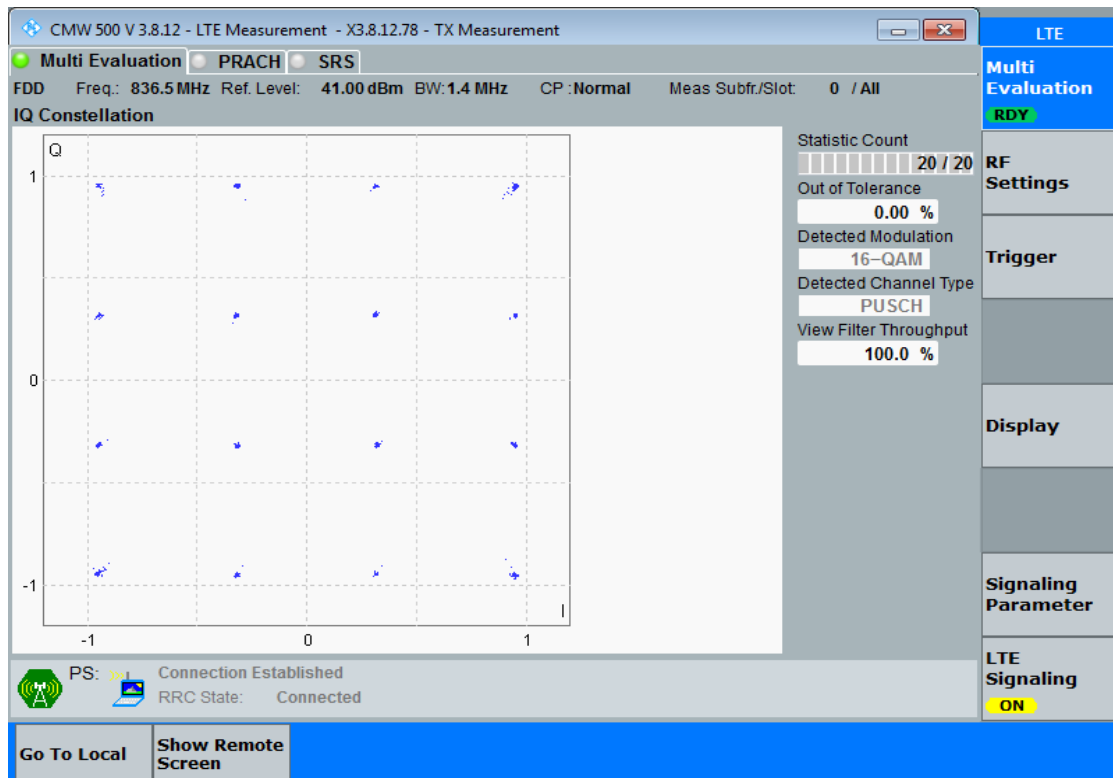
3.1.2 TM1_5MHZ_MCH_RB25#0



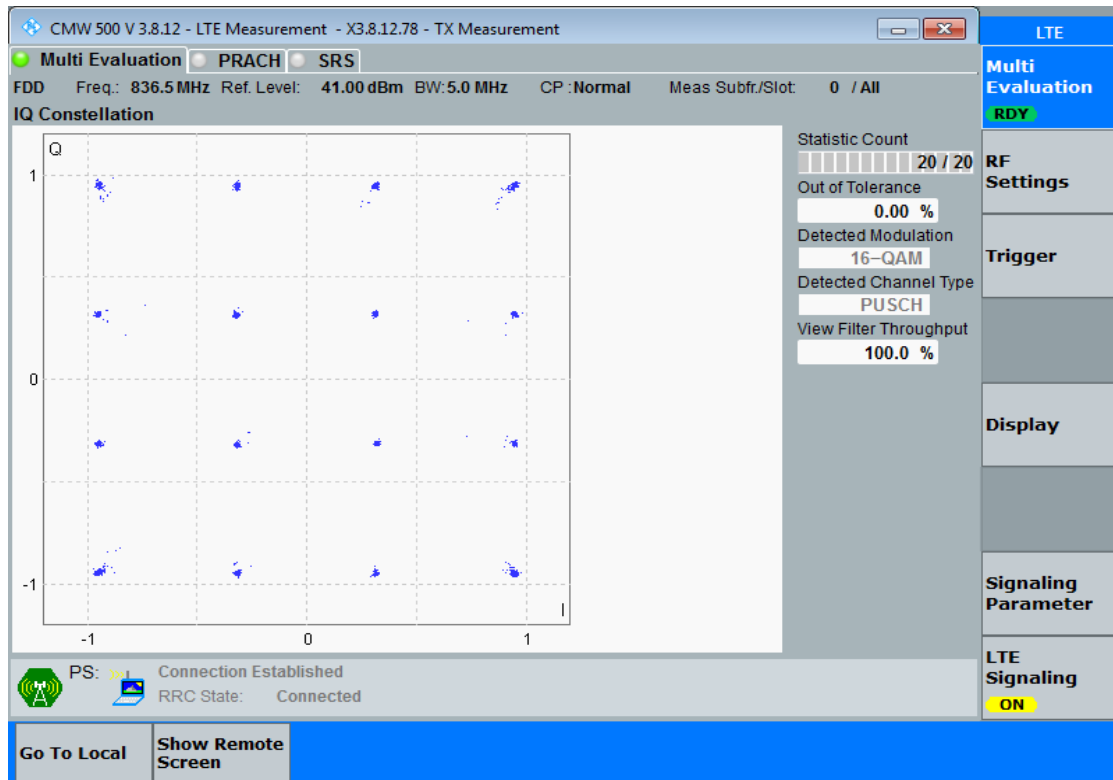
3.1.3 TM1_15MHZ_MCH_RB75#0



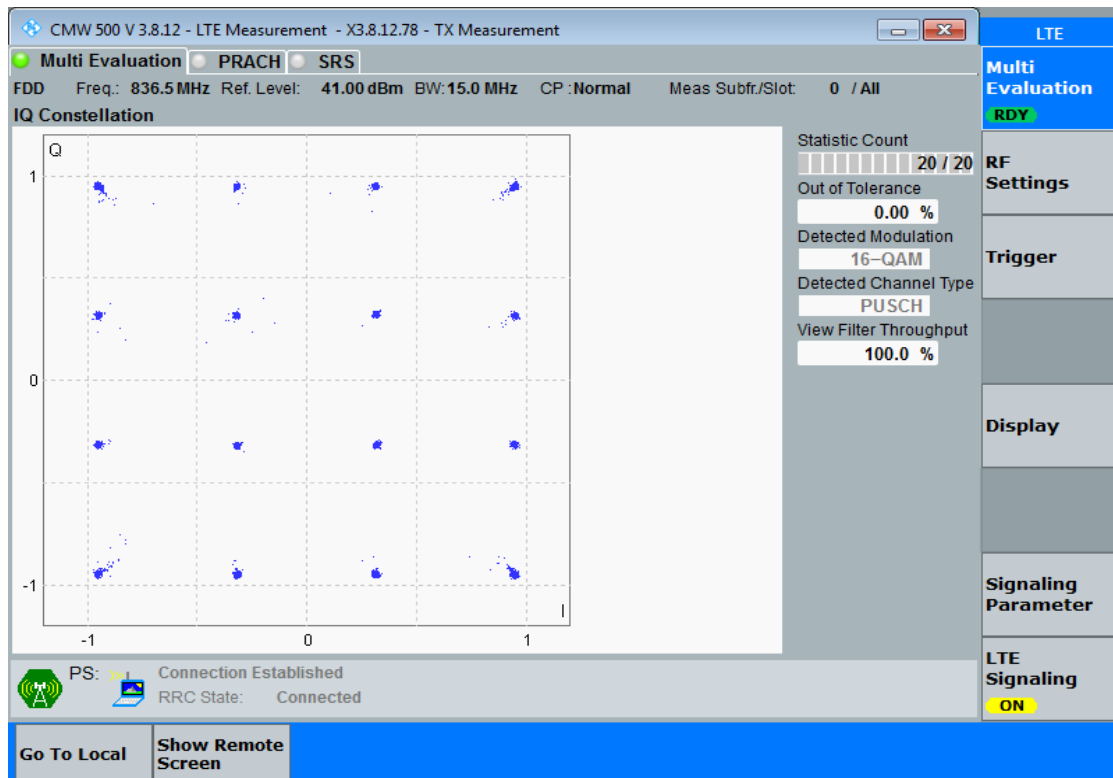
3.1.4 TM2_1.4MHZ_MCH_RB6#0



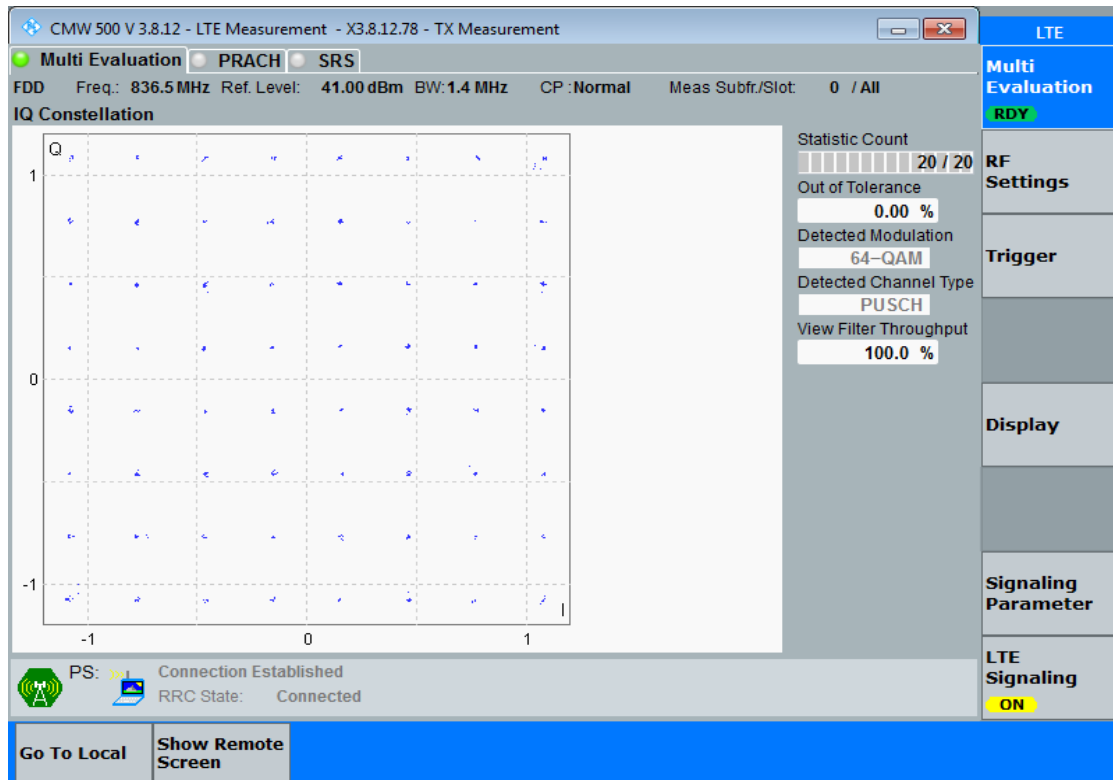
3.1.5 TM2_5MHZ_MCH_RB25#0



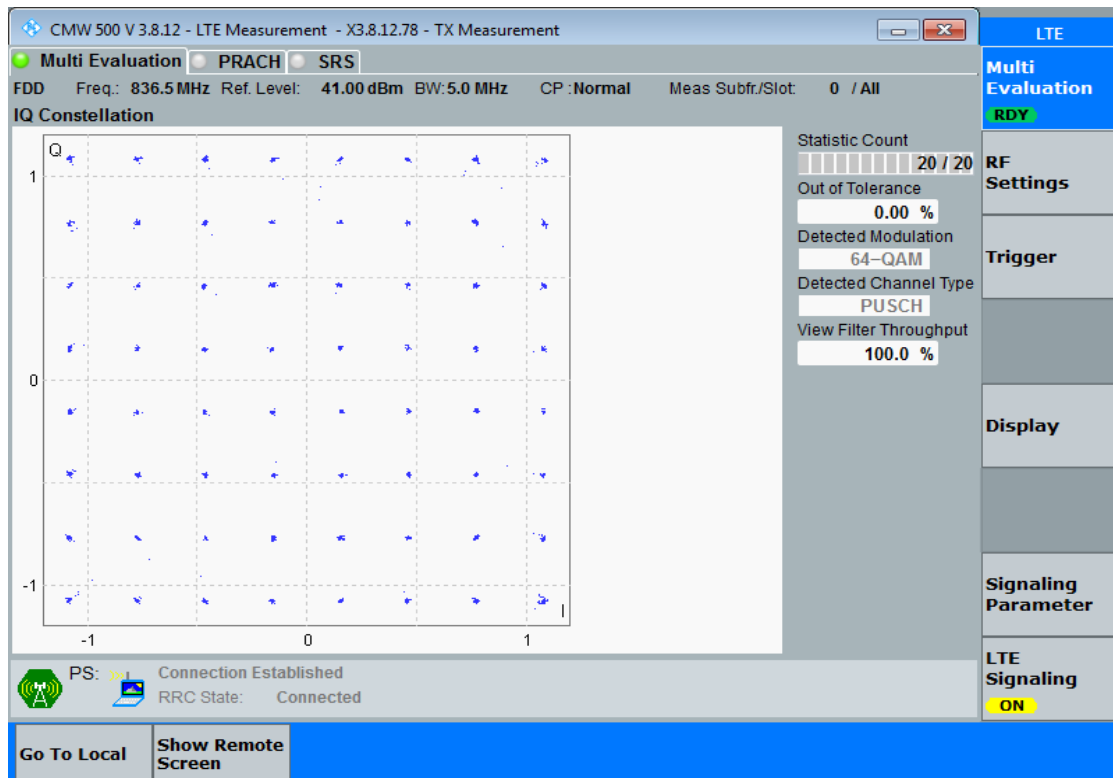
3.1.6 TM2_15MHZ_MCH_RB75#0



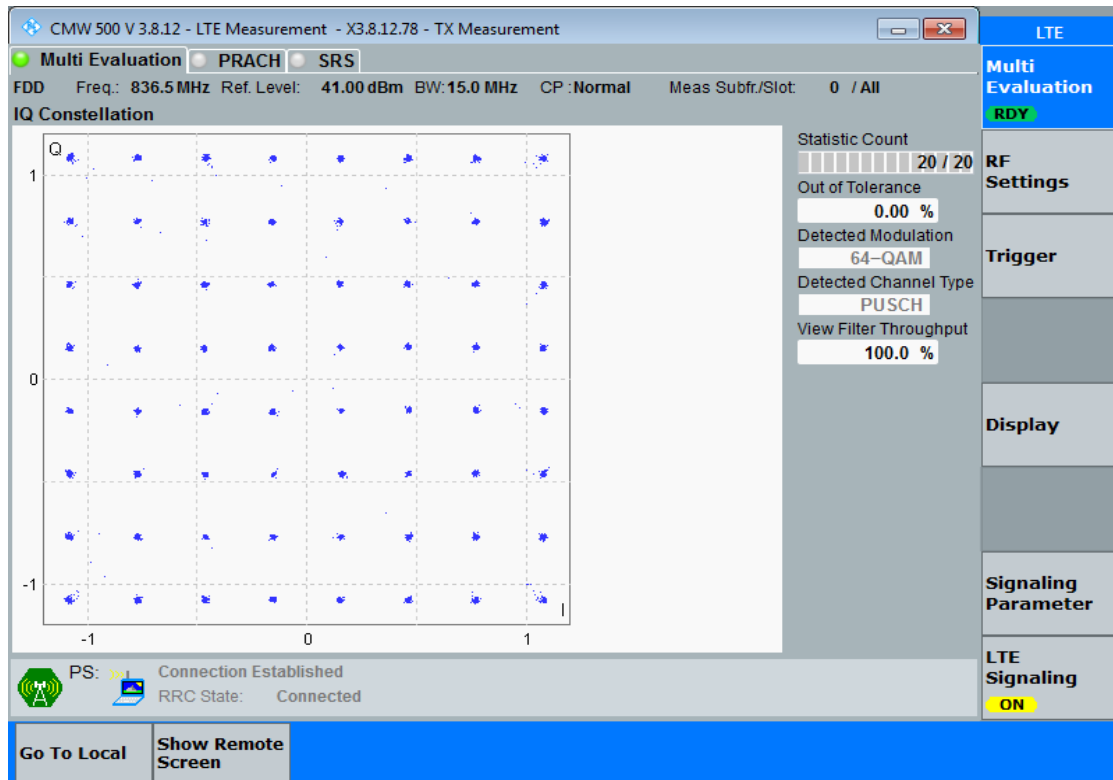
3.1.7 TM3_1.4MHZ_MCH_RB6#0



3.1.8 TM3_5MHZ_MCH_RB25#0



3.1.9 TM3_15MHZ_MCH_RB75#0



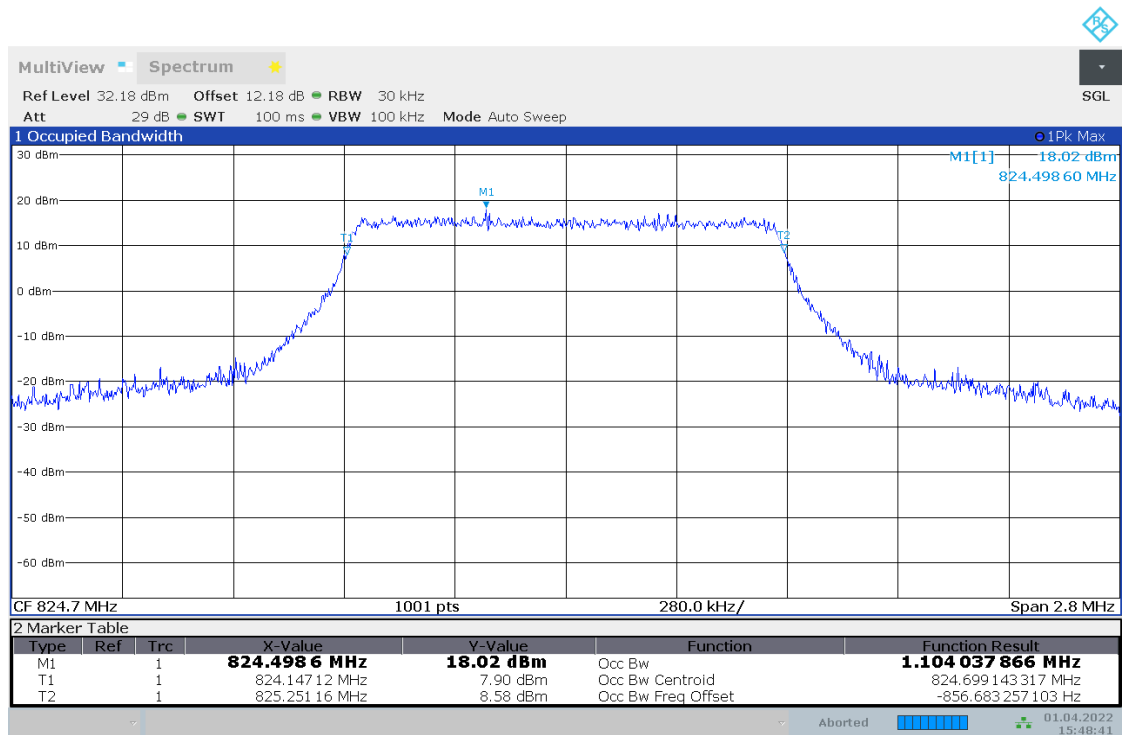
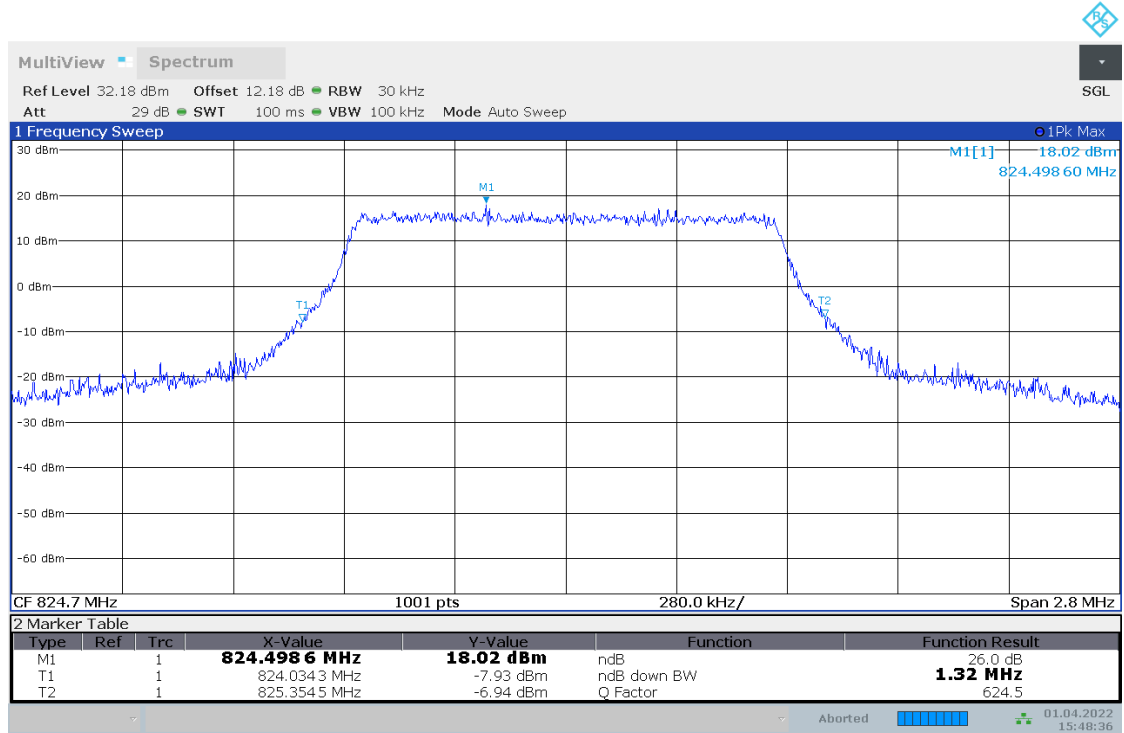
4. APPENDIX D - OCCUPIED BANDWIDTH

4.1 TEST RESULTS

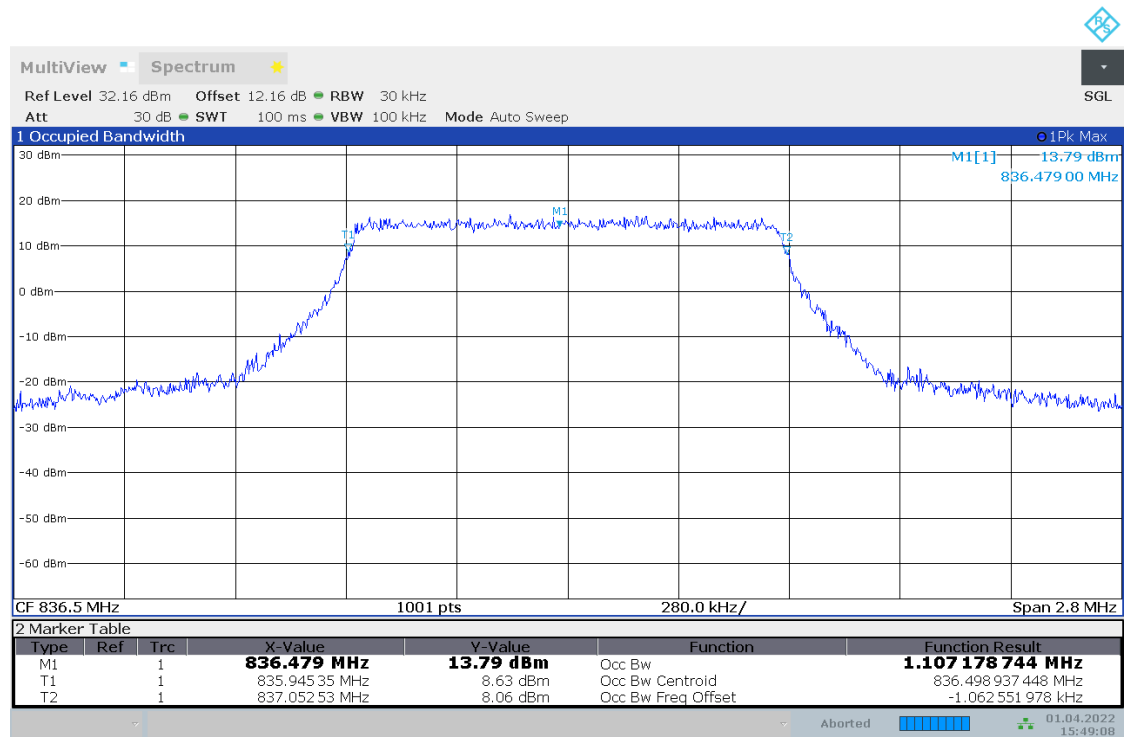
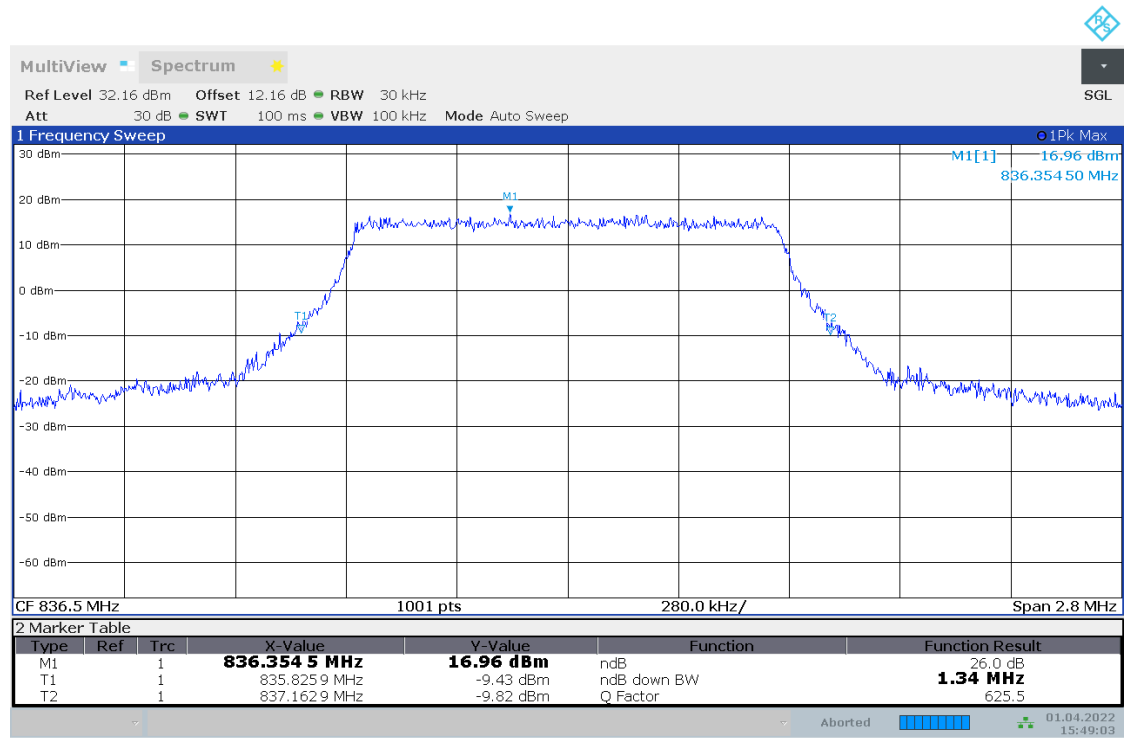
Occupied Bandwidth							
Test Mode	Test Bandwidth	Test Channel	Test RB	Modulation	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
TM1	1.4	LCH	RB6#0	QPSK	1.10	1.32	PASS
		MCH	RB6#0	QPSK	1.11	1.34	PASS
		HCH	RB6#0	QPSK	1.10	1.36	PASS
	3	LCH	RB15#0	QPSK	2.70	3.05	PASS
		MCH	RB15#0	QPSK	2.71	3.04	PASS
		HCH	RB15#0	QPSK	2.70	3.03	PASS
	5	LCH	RB25#0	QPSK	4.53	5.14	PASS
		MCH	RB25#0	QPSK	4.52	5.13	PASS
		HCH	RB25#0	QPSK	4.50	5.12	PASS
	10	LCH	RB50#0	QPSK	9.00	10.11	PASS
		MCH	RB50#0	QPSK	8.98	9.97	PASS
		HCH	RB50#0	QPSK	8.96	9.99	PASS
TM2	1.4	LCH	RB6#0	16QAM	1.11	1.38	PASS
		MCH	RB6#0	16QAM	1.11	1.36	PASS
		HCH	RB6#0	16QAM	1.11	1.37	PASS
	3	LCH	RB15#0	16QAM	2.71	3.03	PASS
		MCH	RB15#0	16QAM	2.70	3.08	PASS
		HCH	RB15#0	16QAM	2.70	3.01	PASS
	5	LCH	RB25#0	16QAM	4.53	5.17	PASS
		MCH	RB25#0	16QAM	4.52	5.16	PASS
		HCH	RB25#0	16QAM	4.51	5.12	PASS
	10	LCH	RB50#0	16QAM	8.99	9.97	PASS
		MCH	RB50#0	16QAM	8.99	10.05	PASS
		HCH	RB50#0	16QAM	8.98	10.03	PASS
TM3	1.4	LCH	RB6#0	64QAM	1.11	1.38	PASS
		MCH	RB6#0	64QAM	1.11	1.37	PASS
		HCH	RB6#0	64QAM	1.10	1.36	PASS
	3	LCH	RB15#0	64QAM	2.70	3.05	PASS
		MCH	RB15#0	64QAM	2.71	3.06	PASS
		HCH	RB15#0	64QAM	2.70	3.04	PASS
	5	LCH	RB25#0	64QAM	4.53	5.17	PASS
		MCH	RB25#0	64QAM	4.53	5.17	PASS
		HCH	RB25#0	64QAM	4.51	5.08	PASS
	10	LCH	RB50#0	64QAM	9.00	10.03	PASS
		MCH	RB50#0	64QAM	8.99	10.01	PASS
		HCH	RB50#0	64QAM	8.99	10.05	PASS
	15	LCH	RB75#0	64QAM	13.48	14.93	PASS
		MCH	RB75#0	64QAM	13.47	14.87	PASS
		HCH	RB75#0	64QAM	13.49	14.96	PASS

4.2 TEST PLOTS

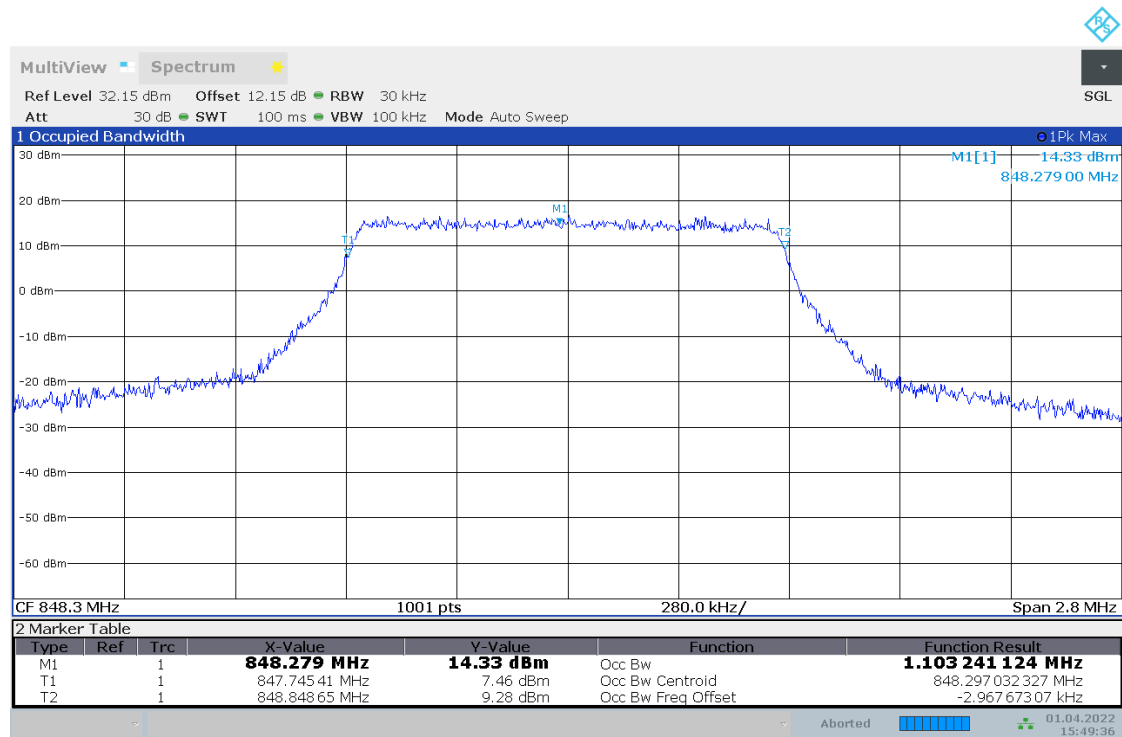
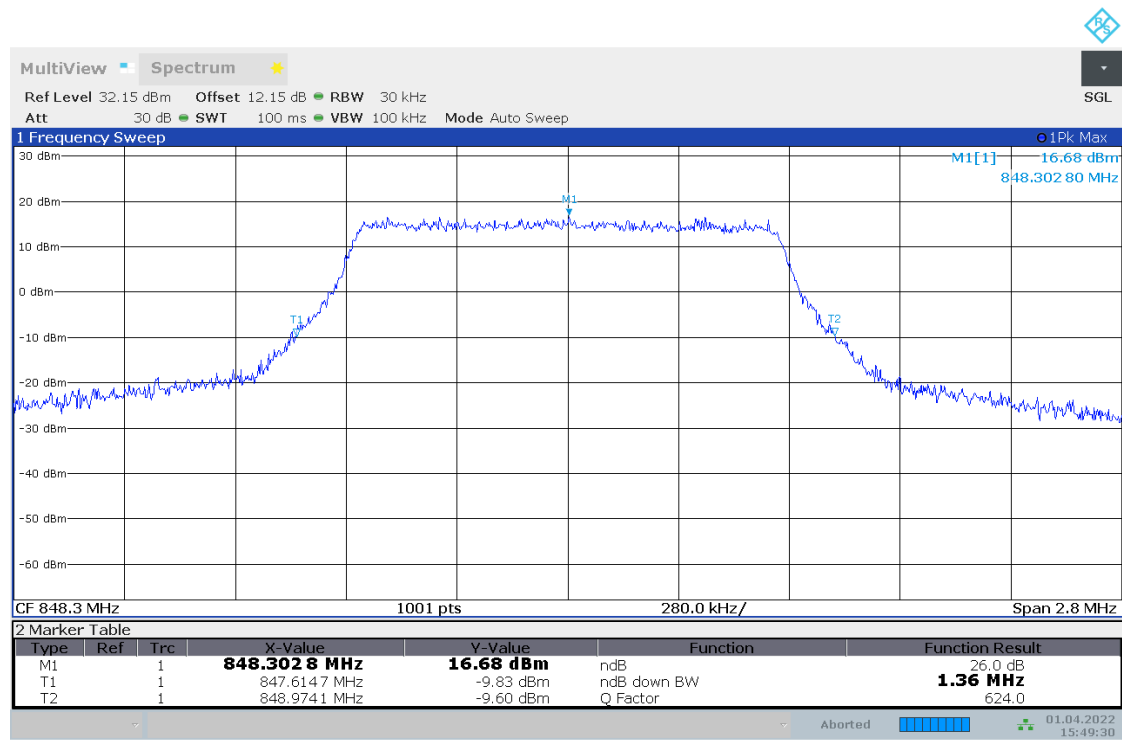
4.2.1 TM1_1.4MHZ_LCH_RB6#0



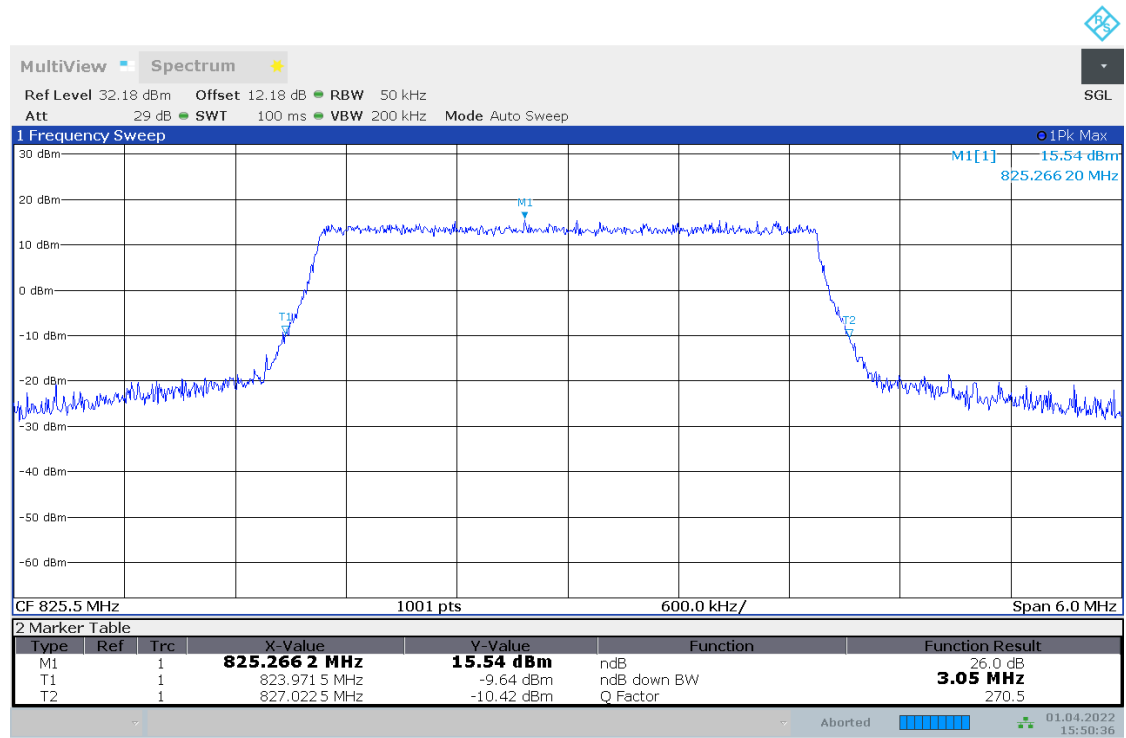
4.2.2 TM1_1.4MHZ_MCH_RB6#0



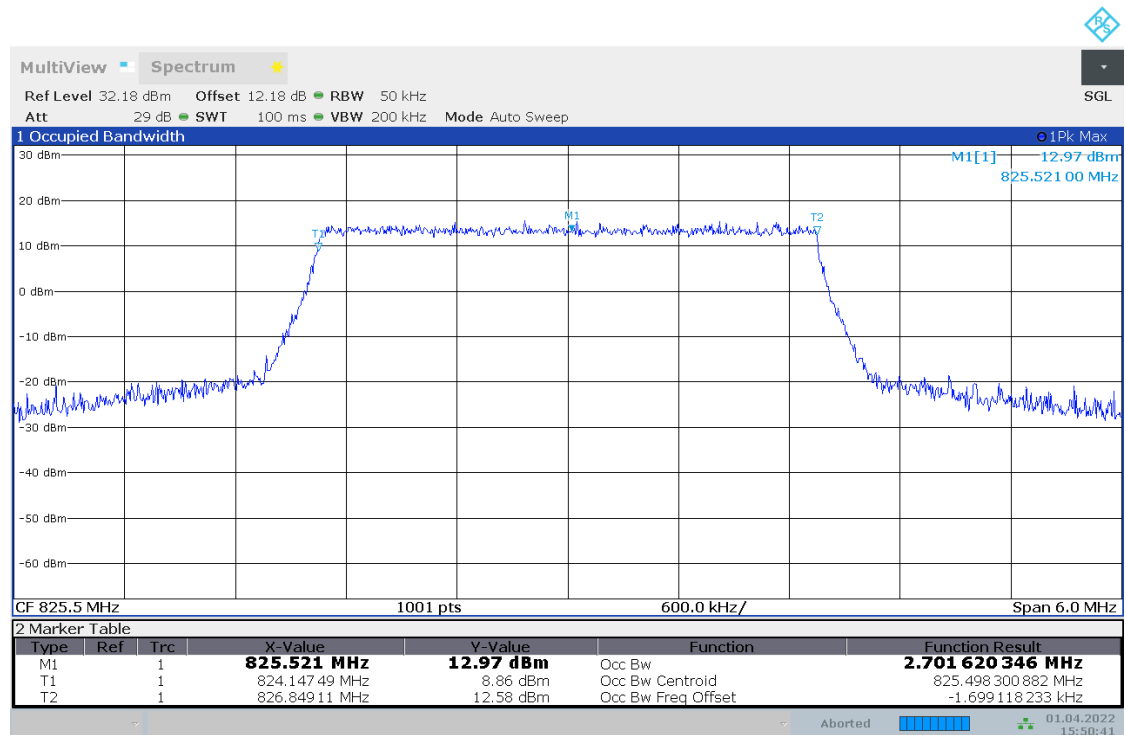
4.2.3 TM1_1.4MHZ_HCH_RB6#0



4.2.4 TM1_3MHZ_LCH_RB15#0

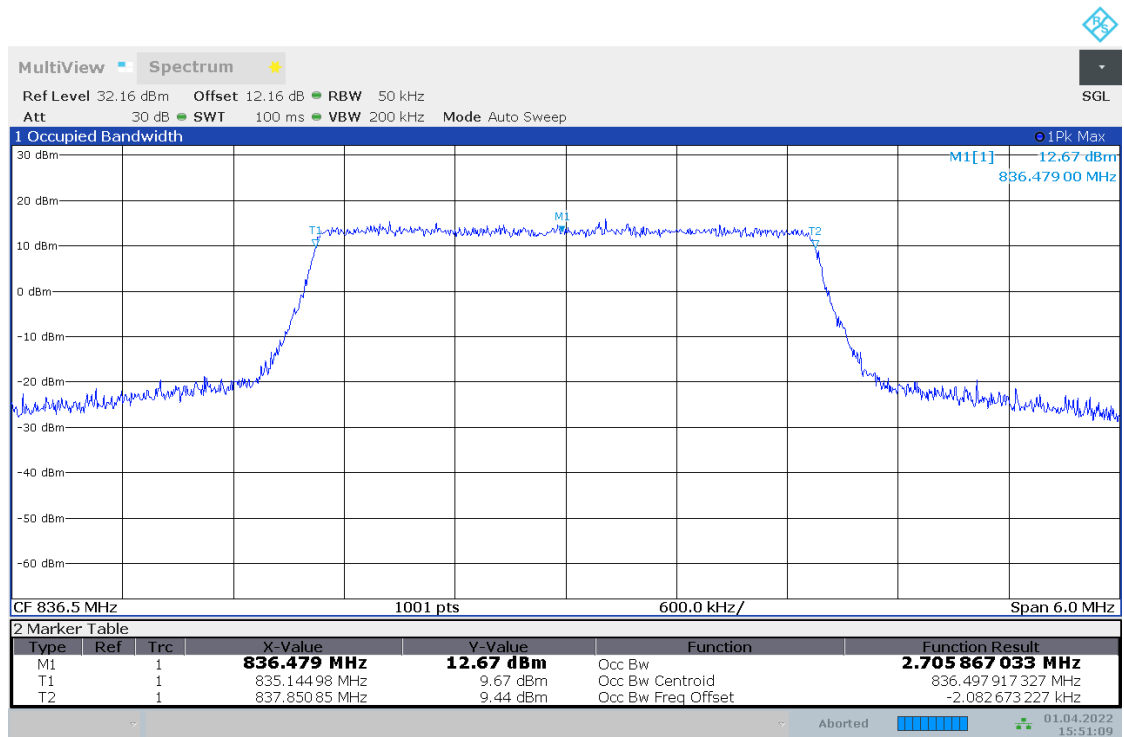
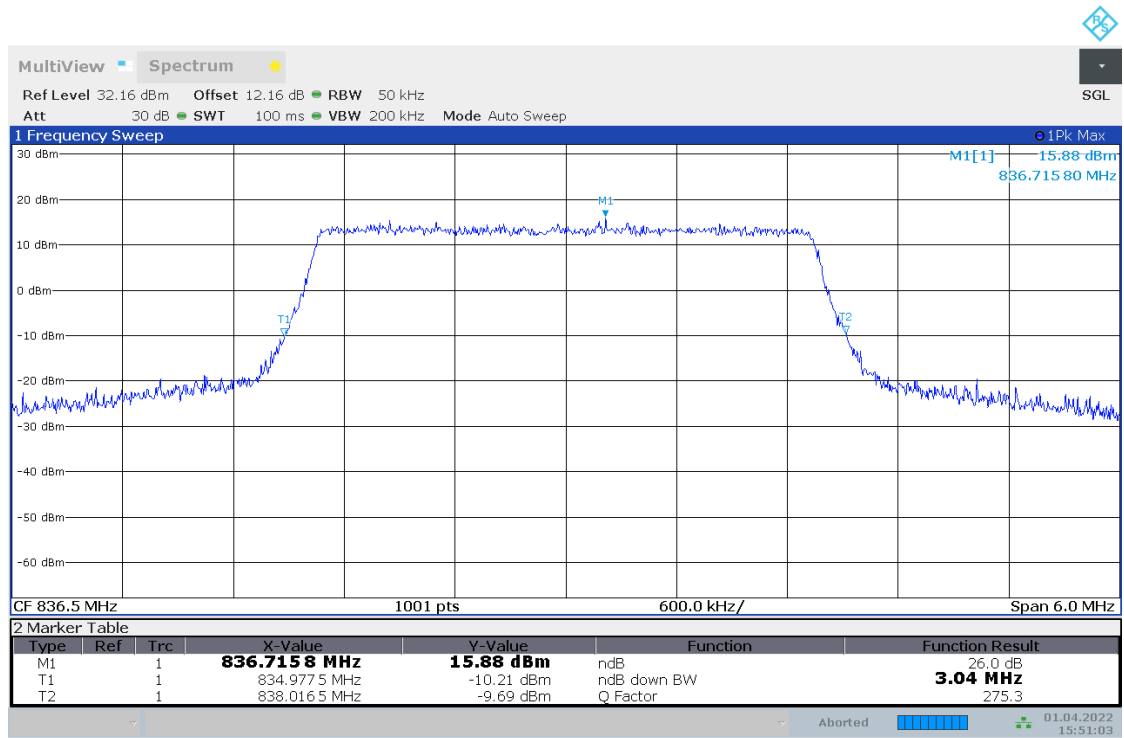


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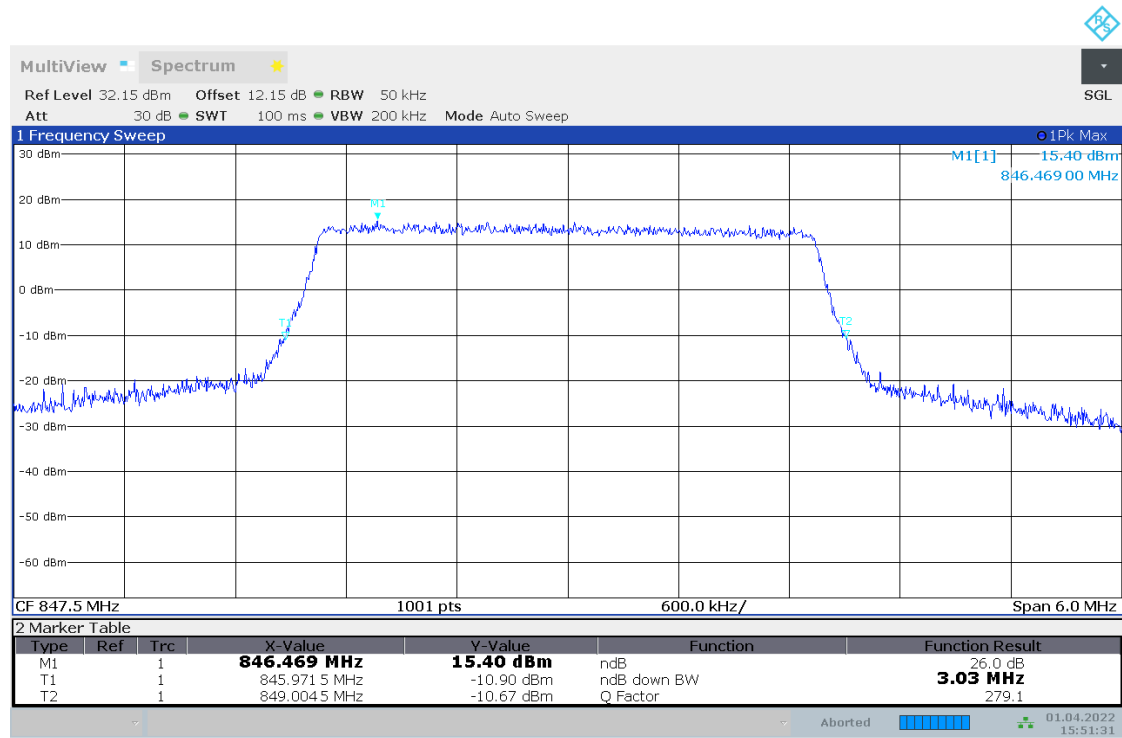


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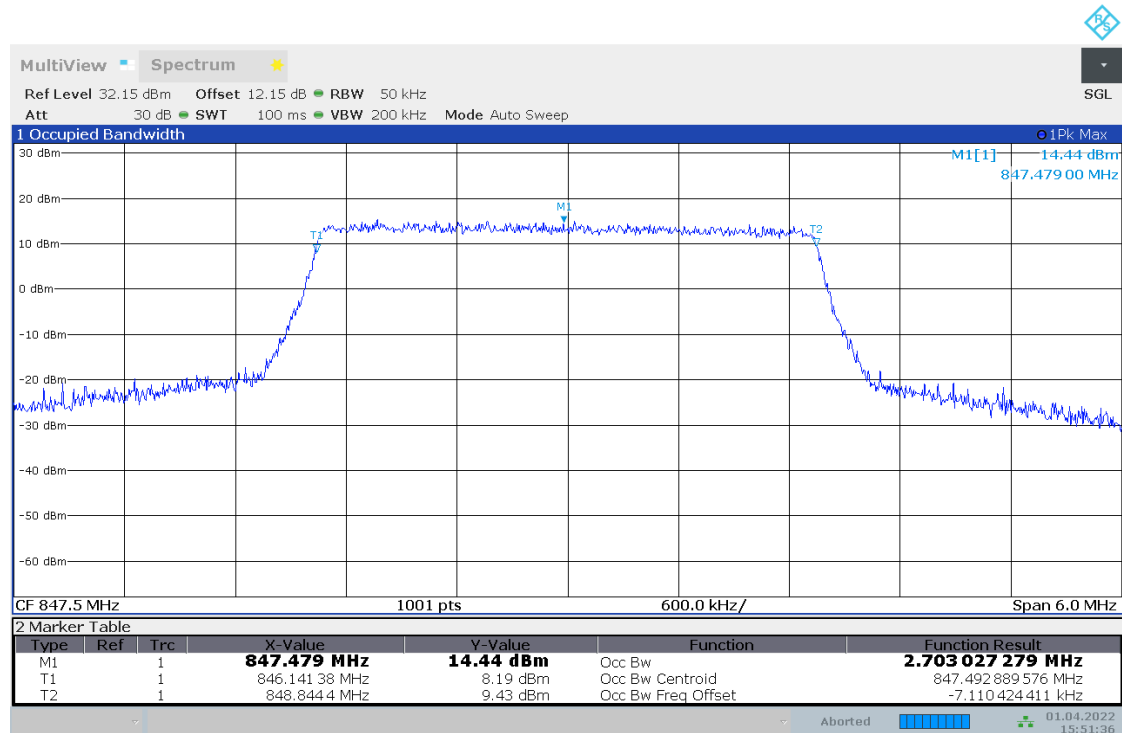
4.2.5 TM1_3MHZ_MCH_RB15#0



4.2.6 TM1_3MHZ_HCH_RB15#0

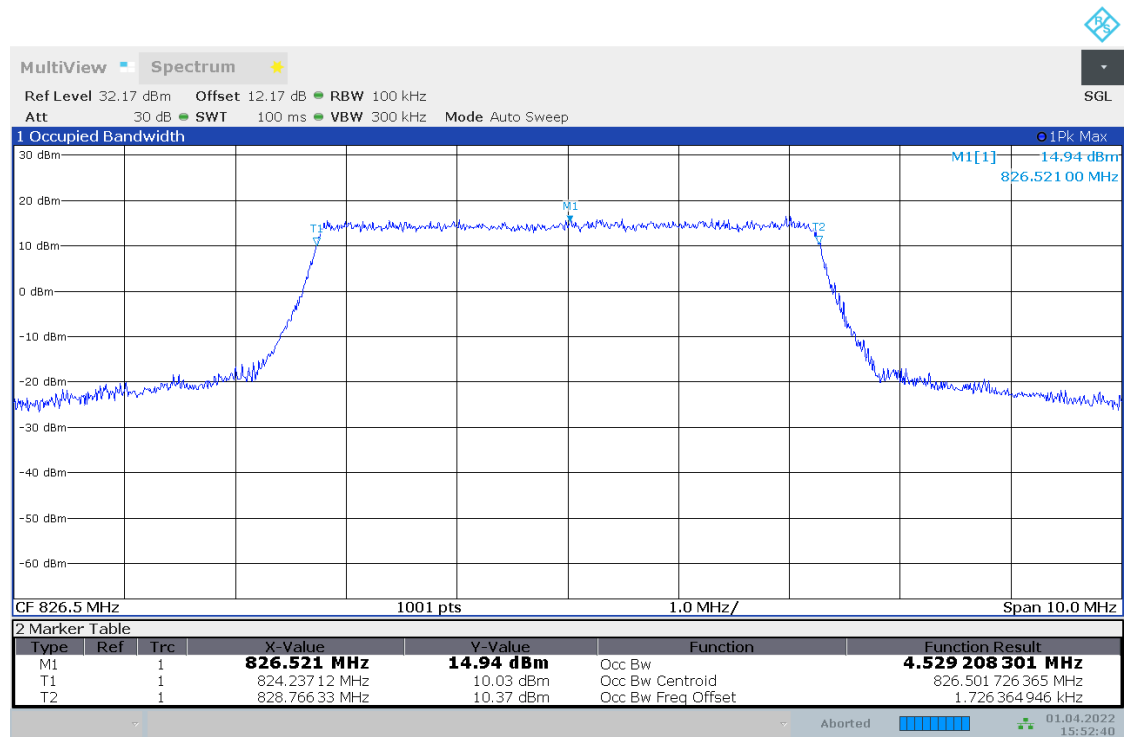
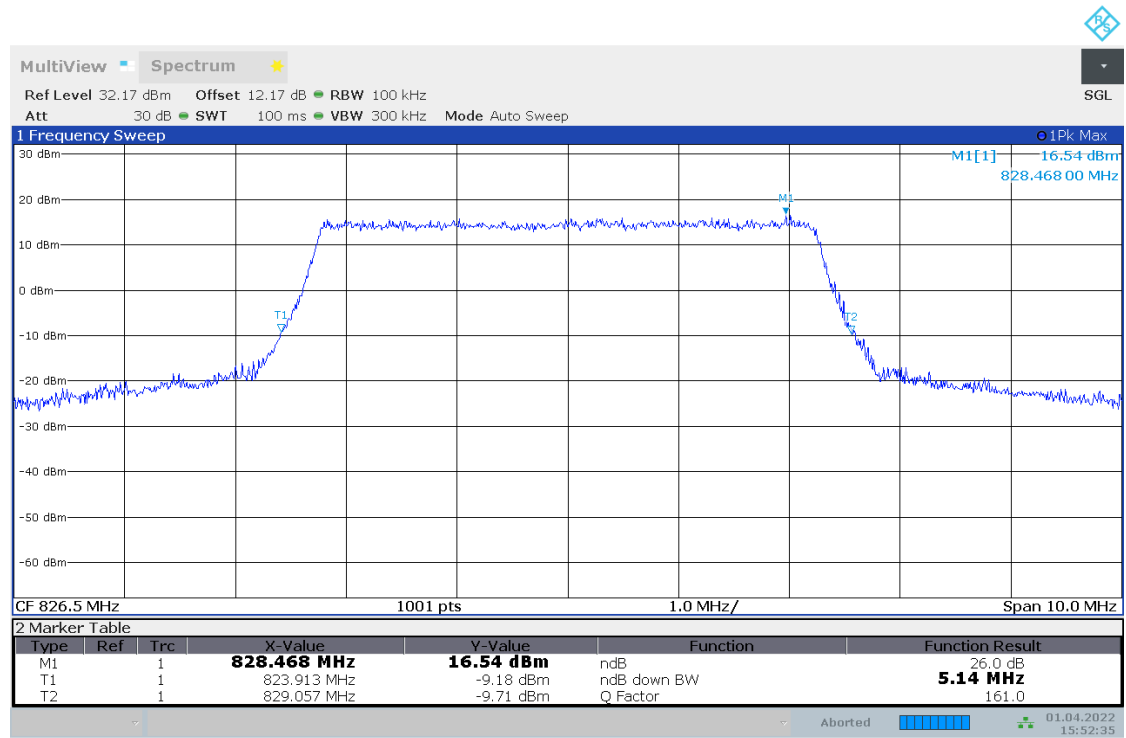


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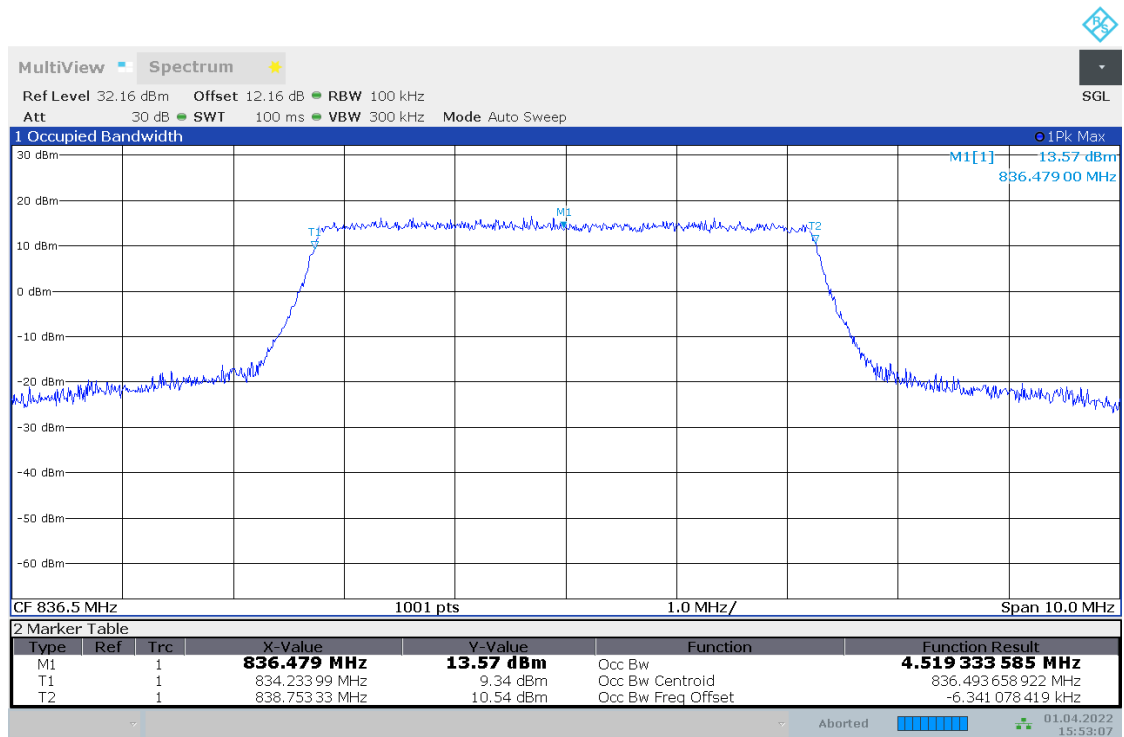
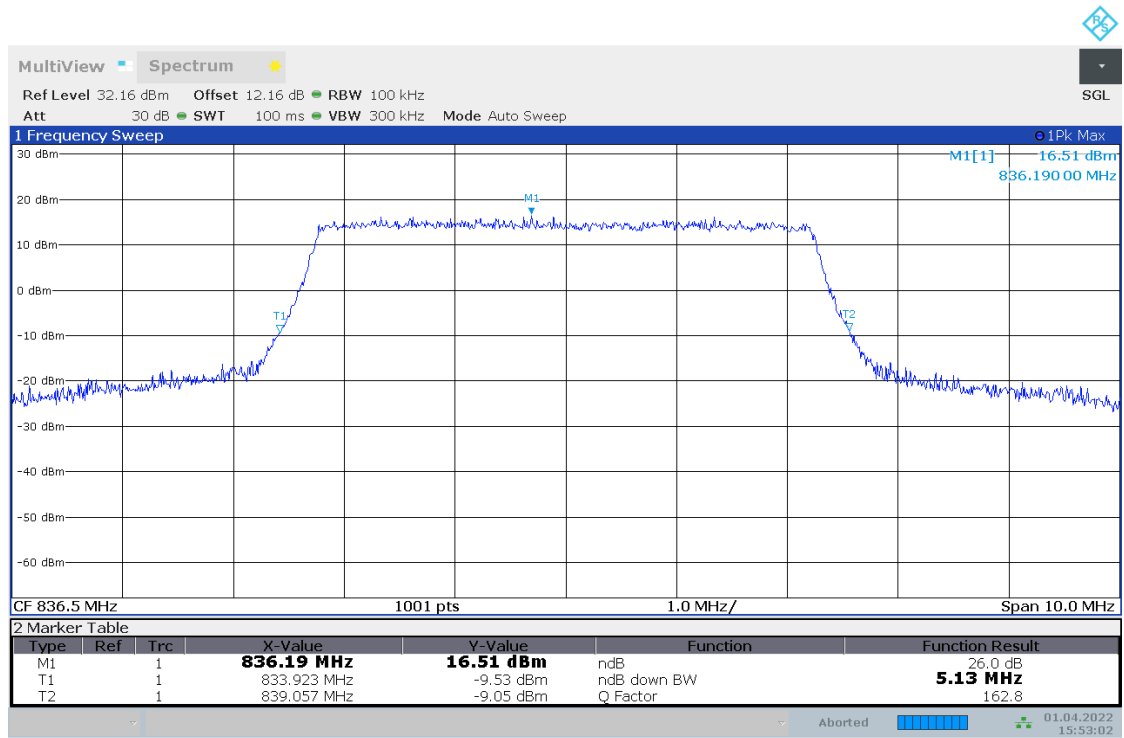


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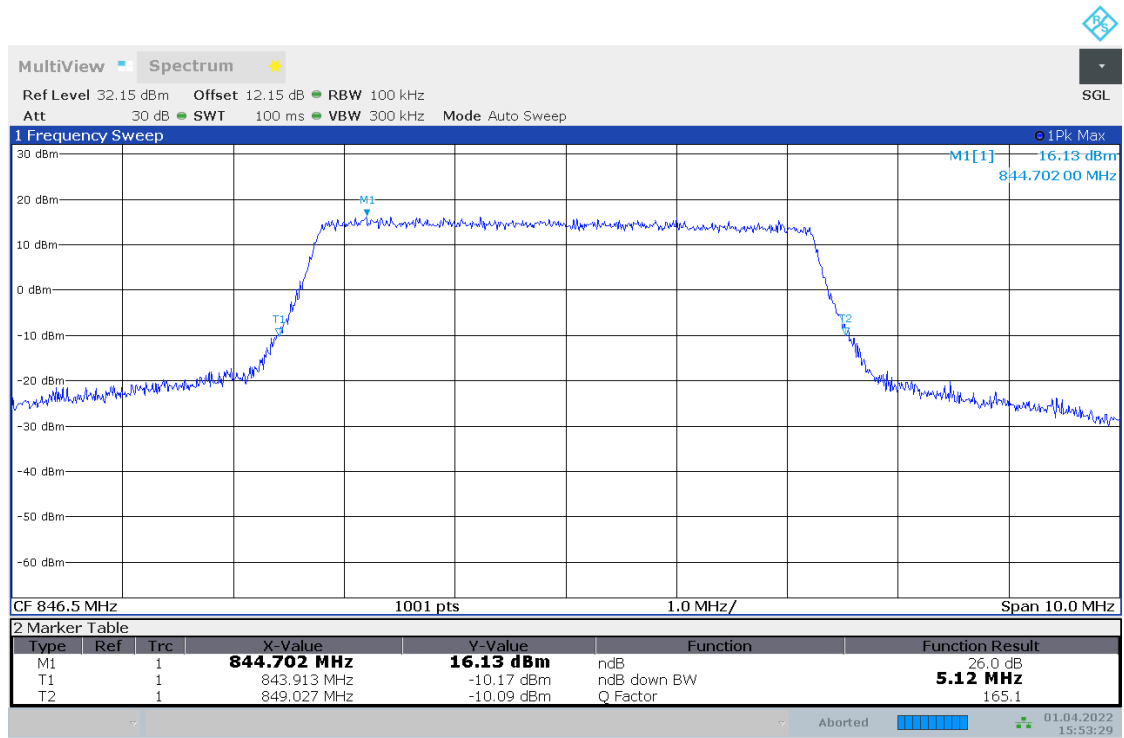
4.2.7 TM1_5MHZ_LCH_RB25#0



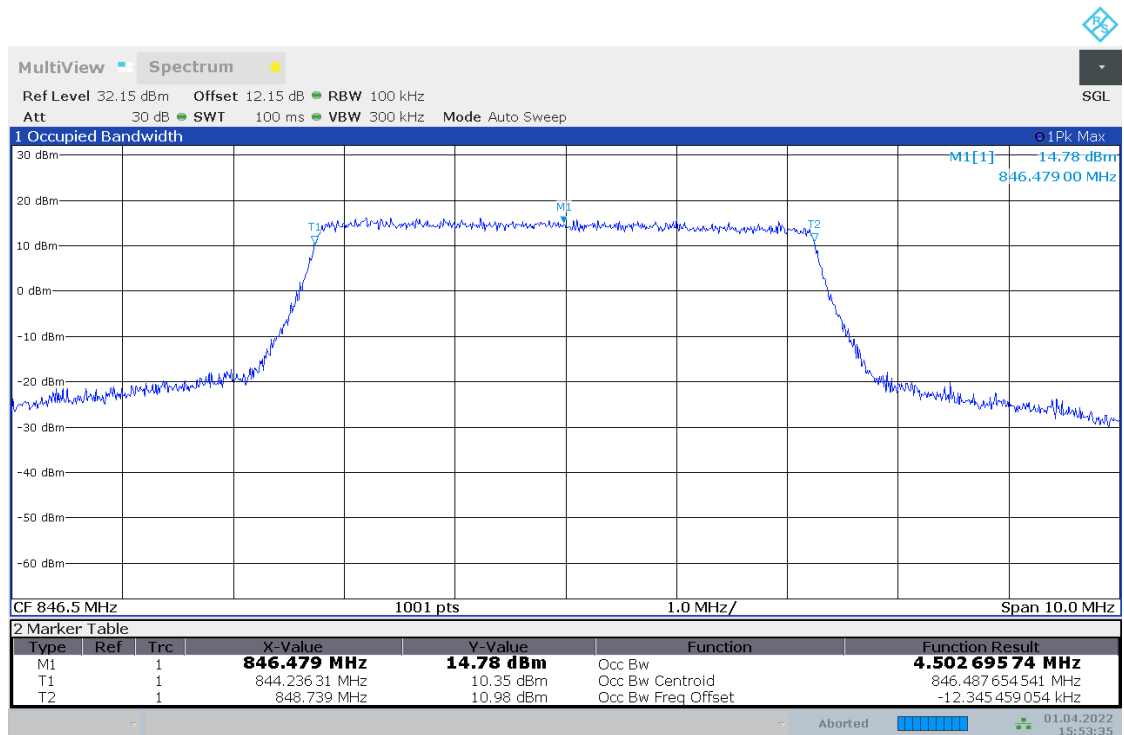
4.2.8 TM1_5MHZ_MCH_RB25#0



4.2.9 TM1_5MHZ_HCH_RB25#0

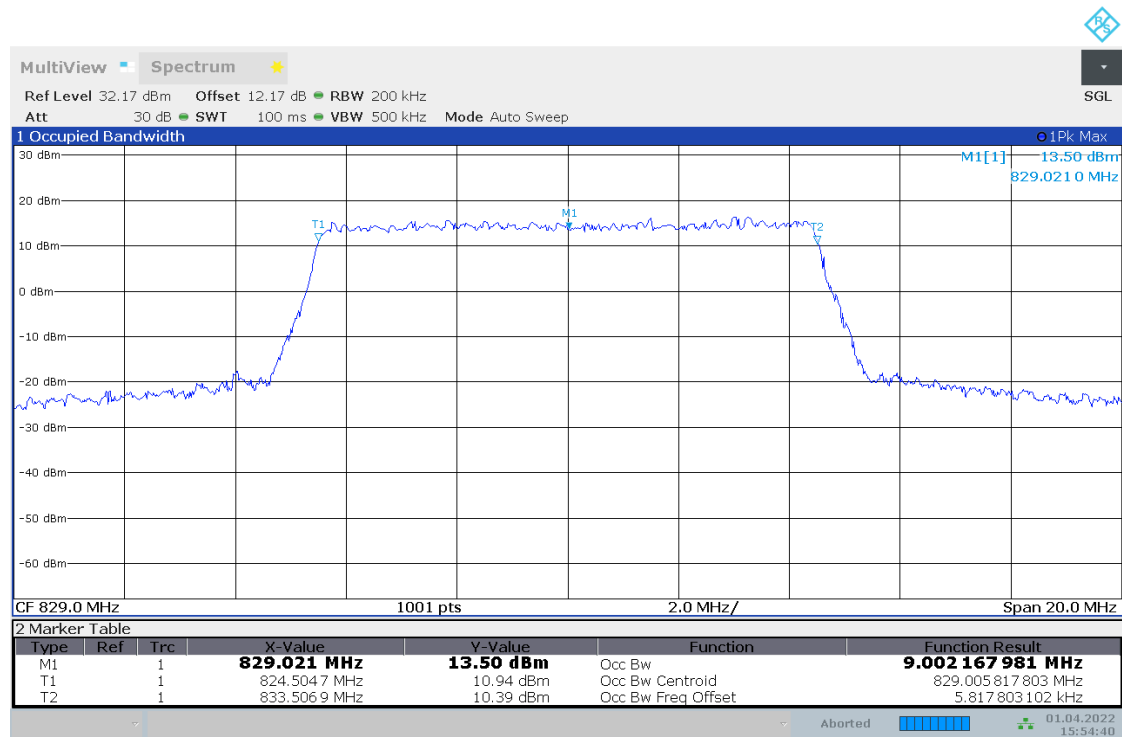
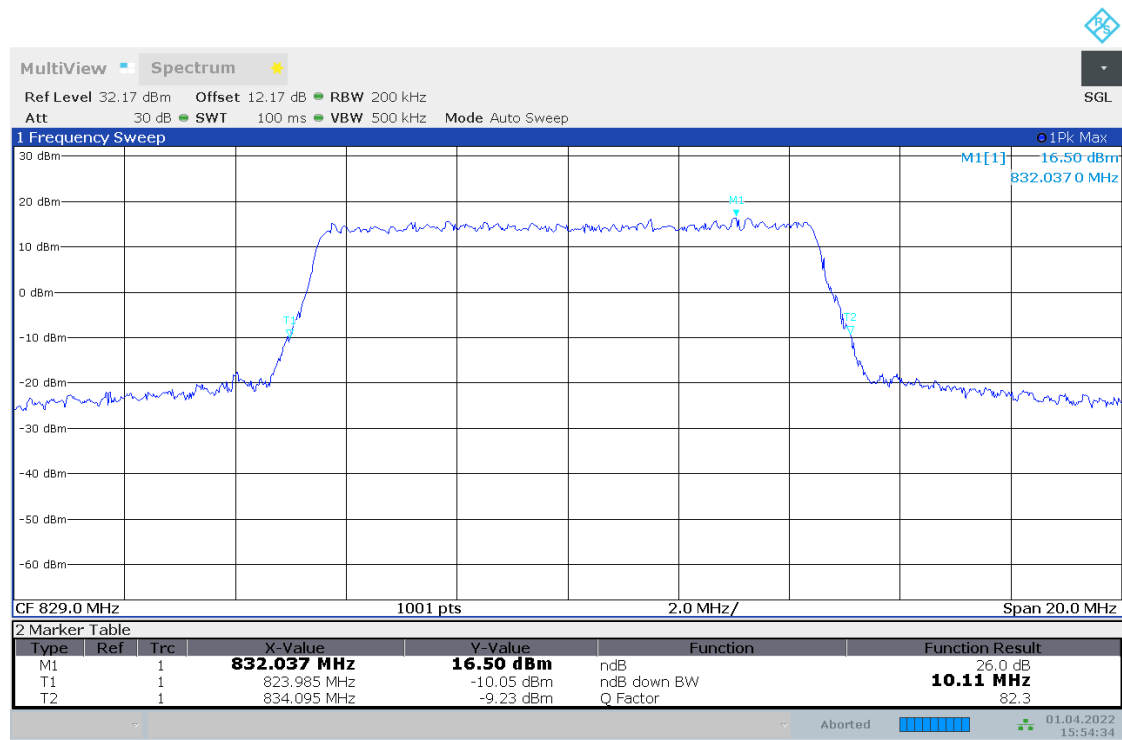


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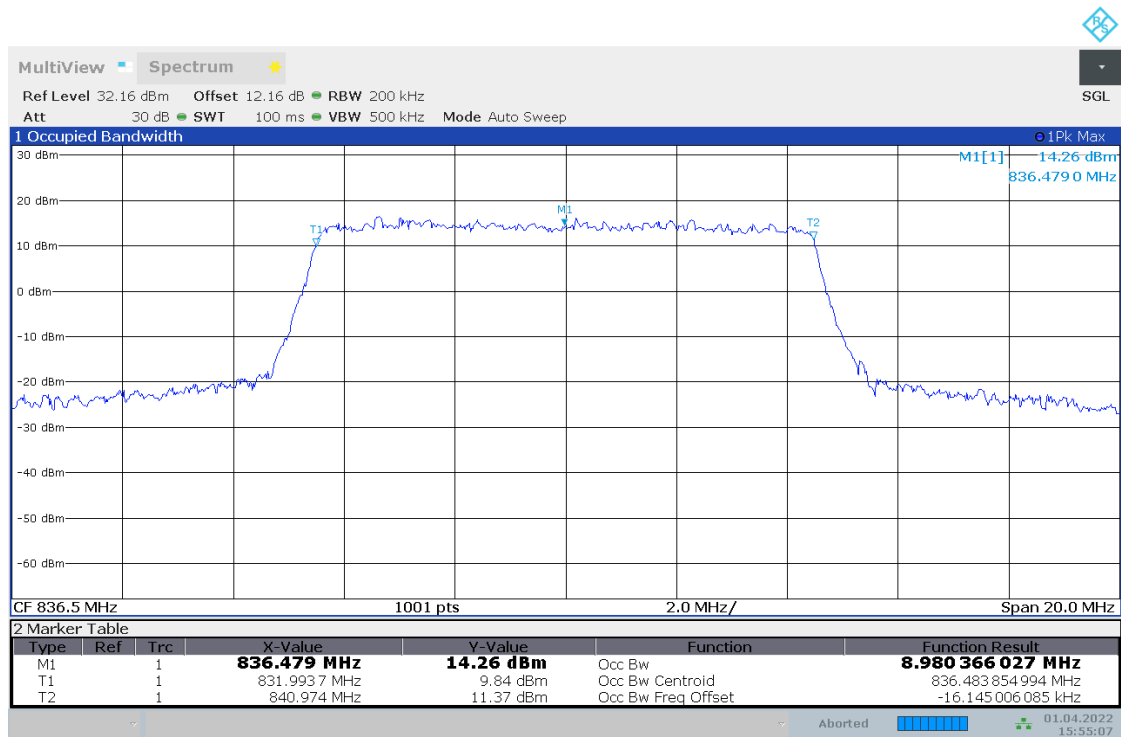
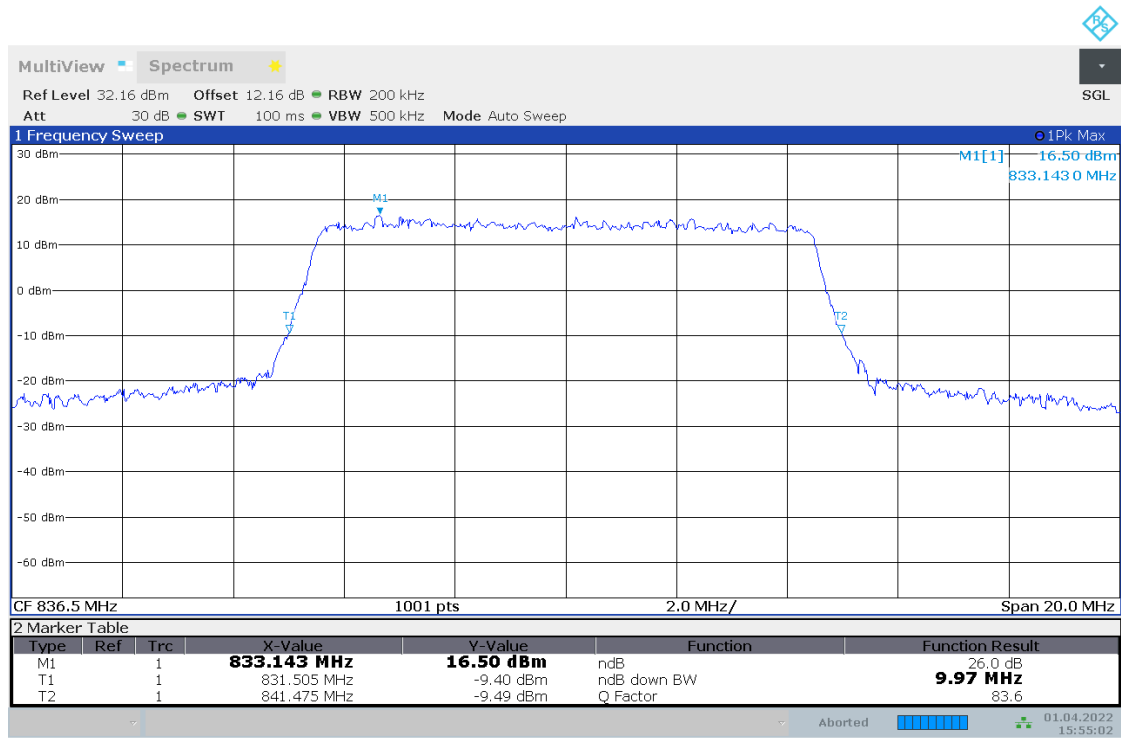


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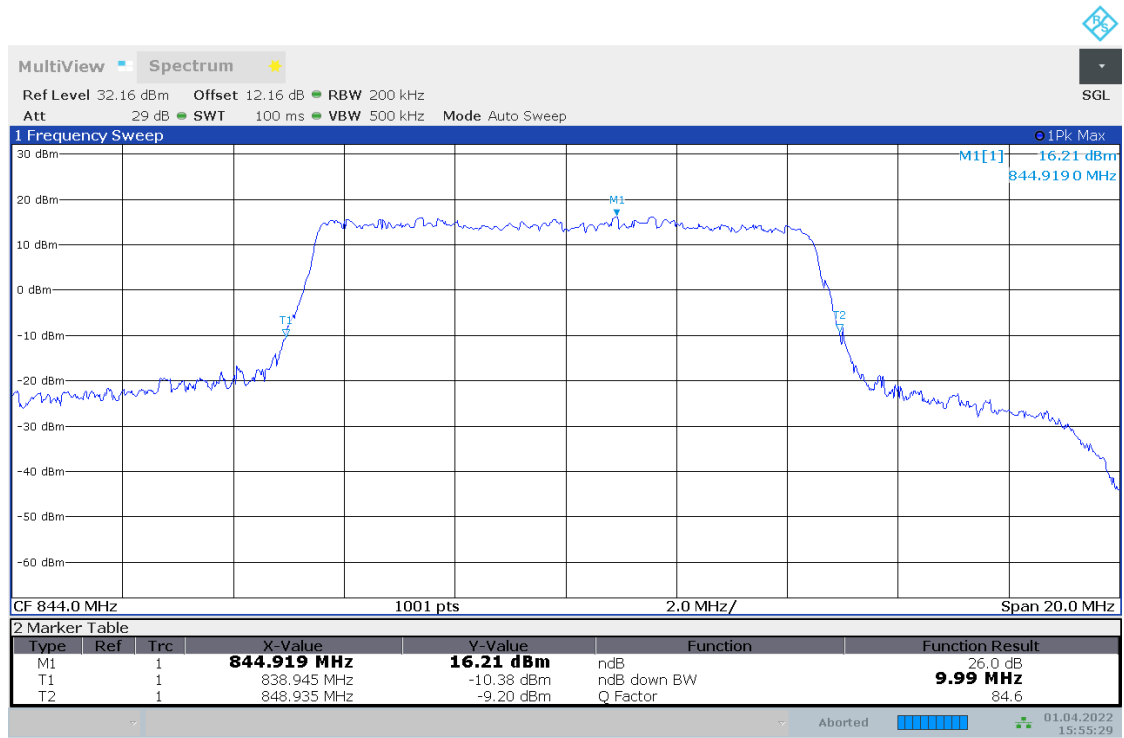
4.2.10 TM1_10MHZ_LCH_RB50#0



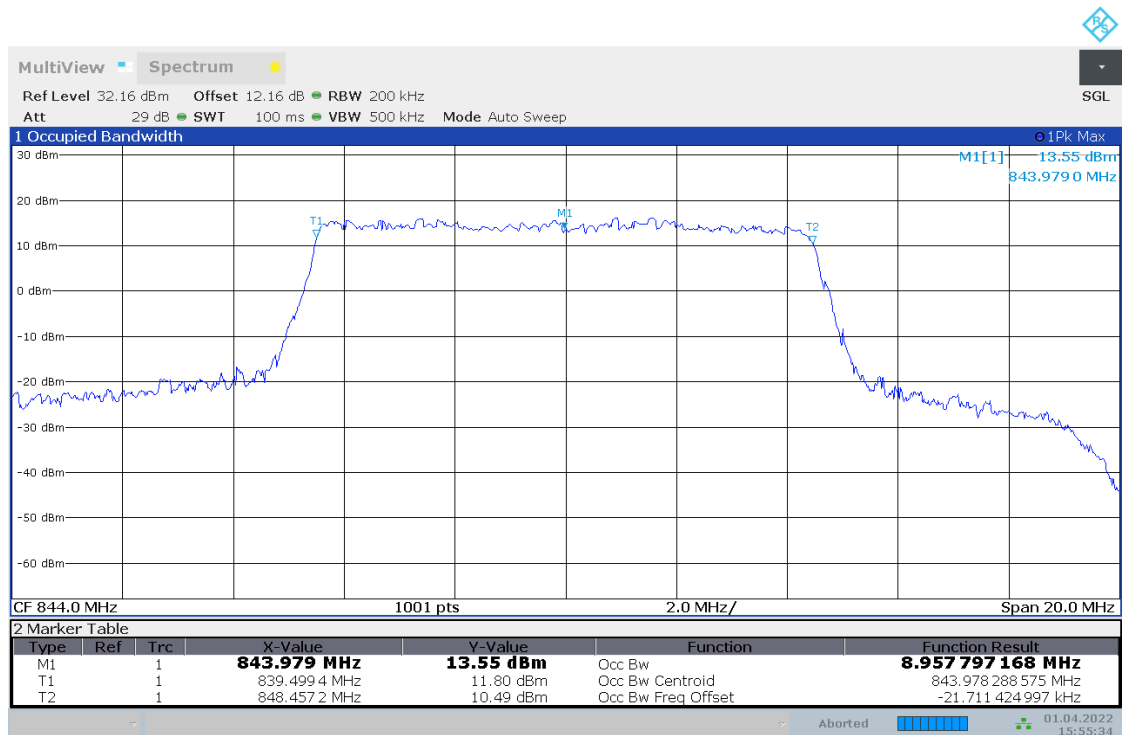
4.2.11 TM1_10MHZ_MCH_RB50#0



4.2.12TM1_10MHZ_HCH_RB50#0

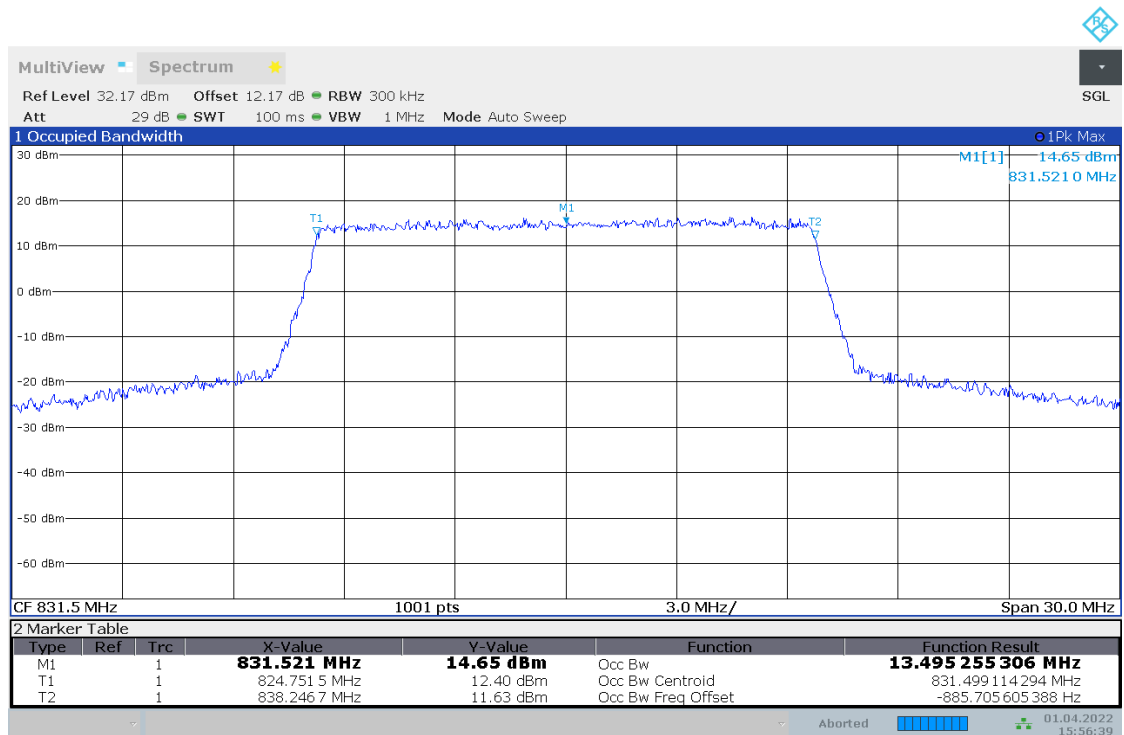
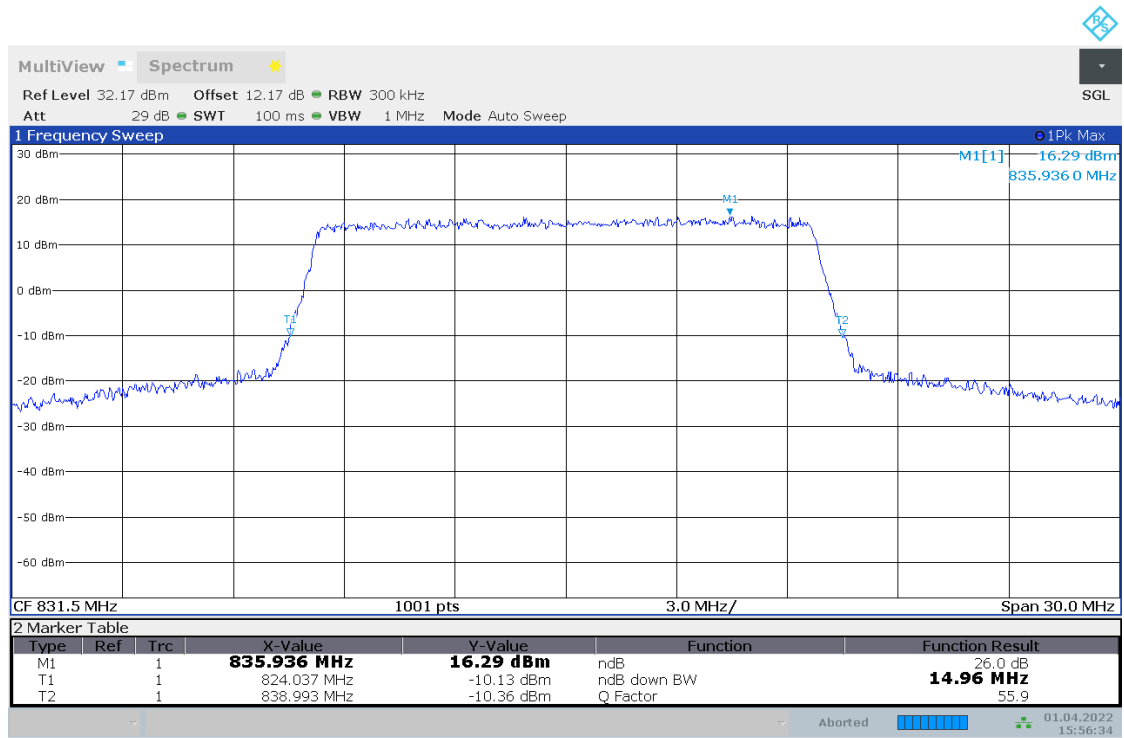


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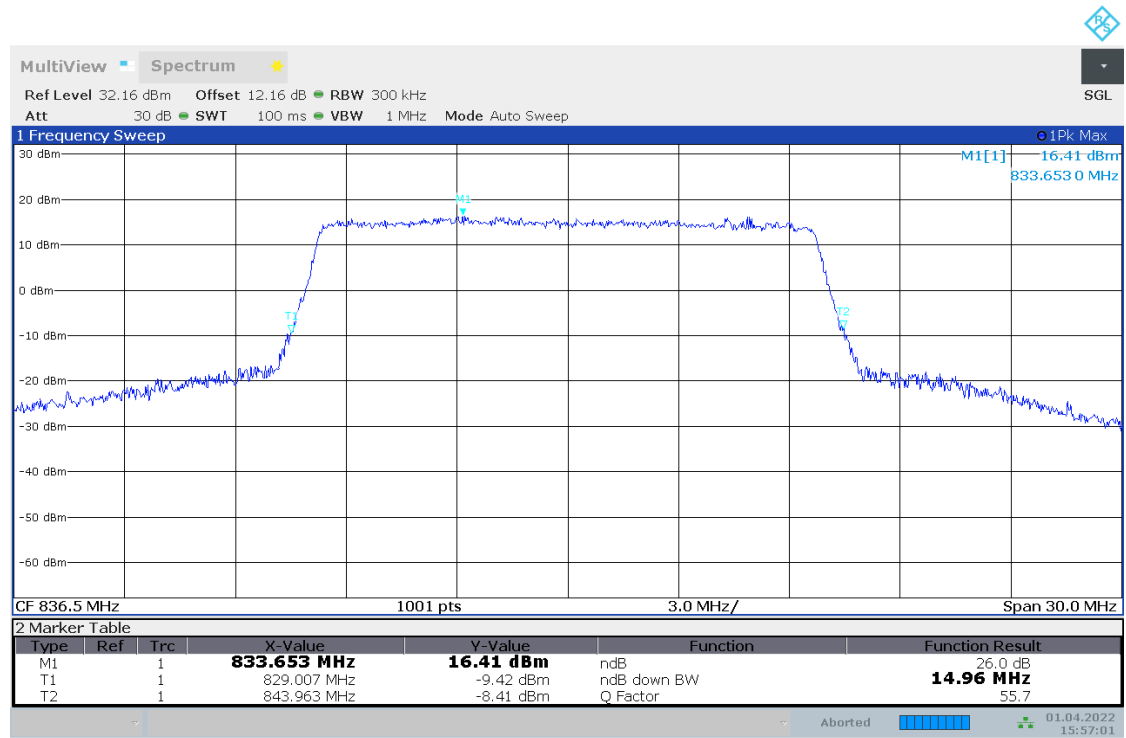


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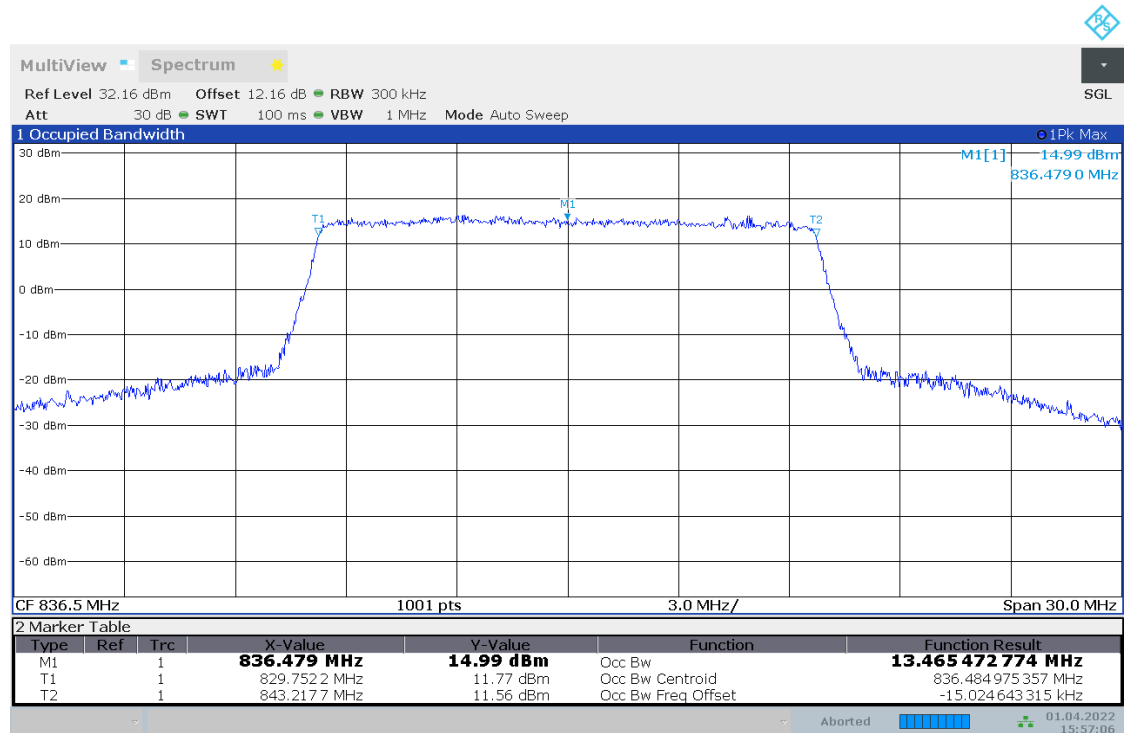
4.2.13 TM1_15MHZ_LCH_RB75#0



4.2.14 TM1_15MHZ_MCH_RB75#0

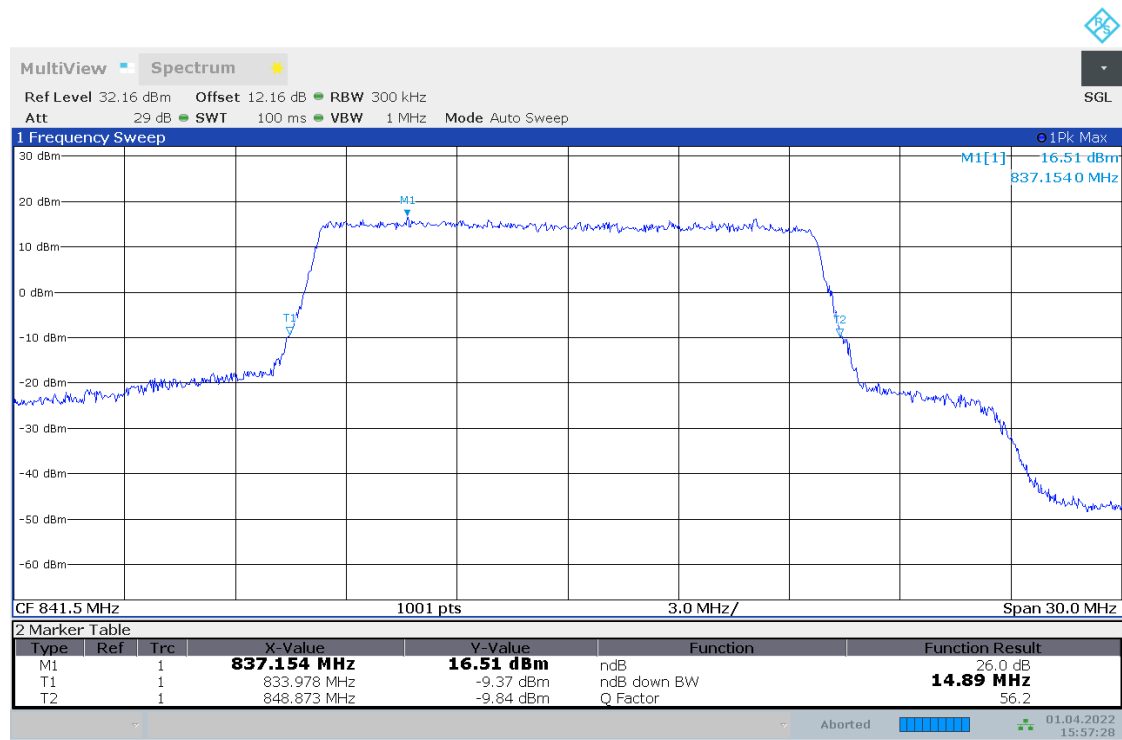


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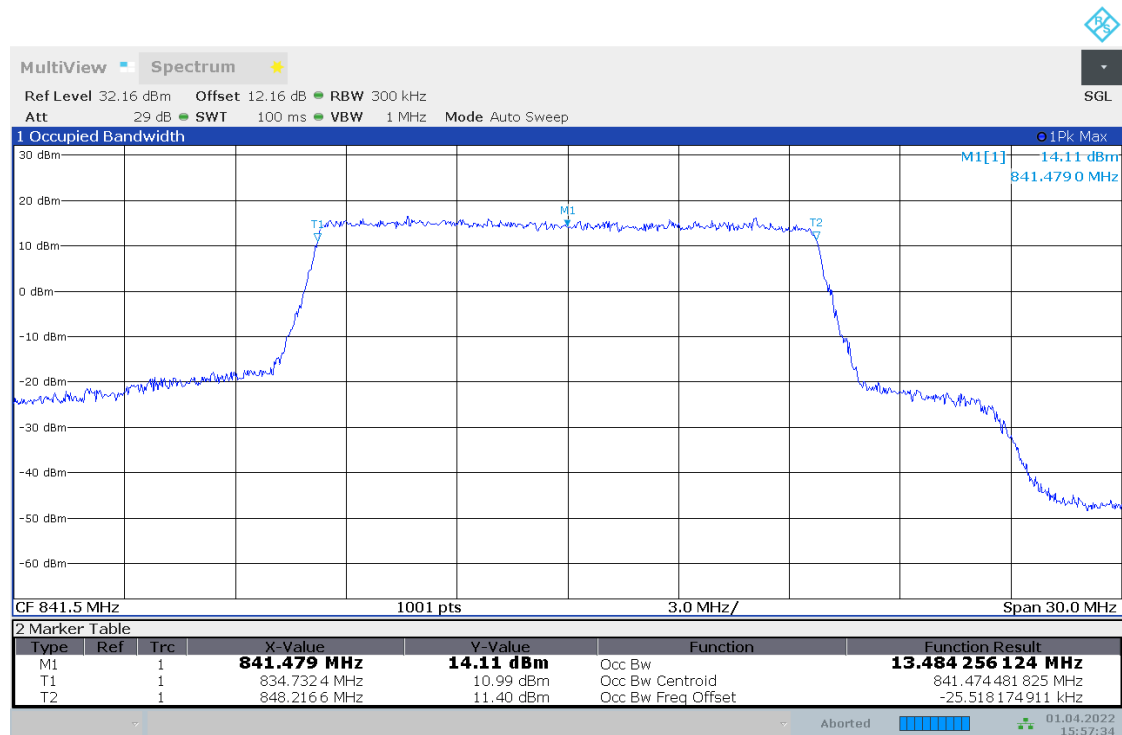


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4.2.15 TM1_15MHZ_HCH_RB75#0

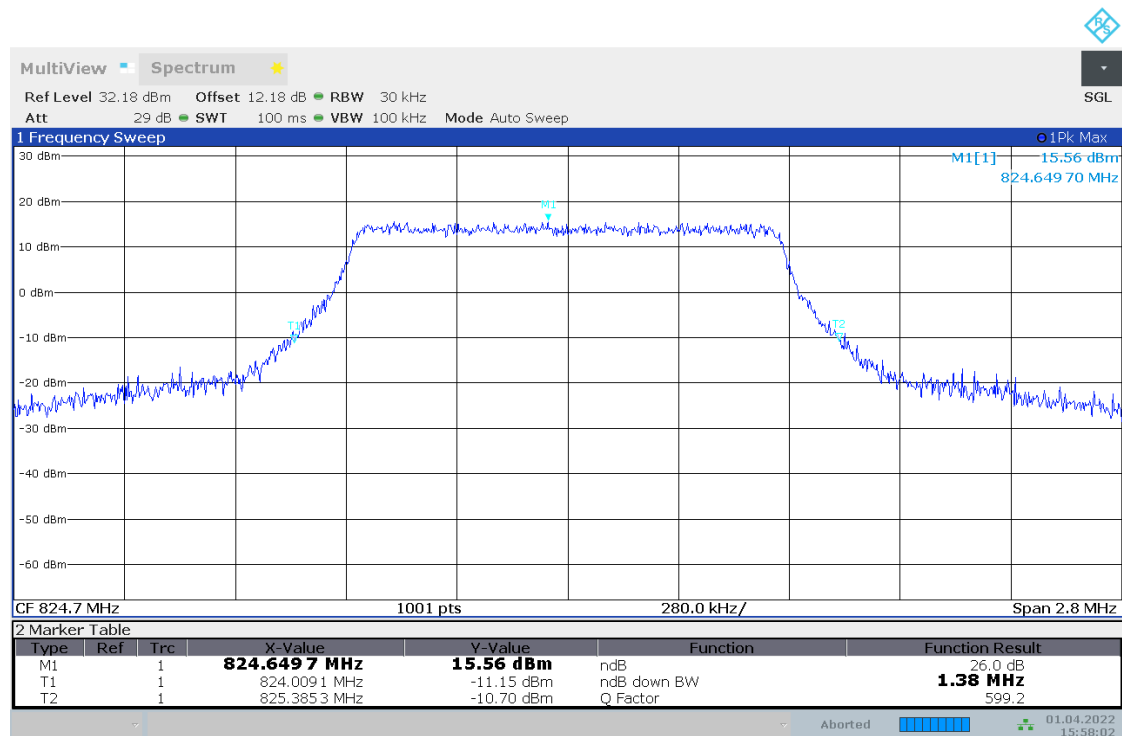


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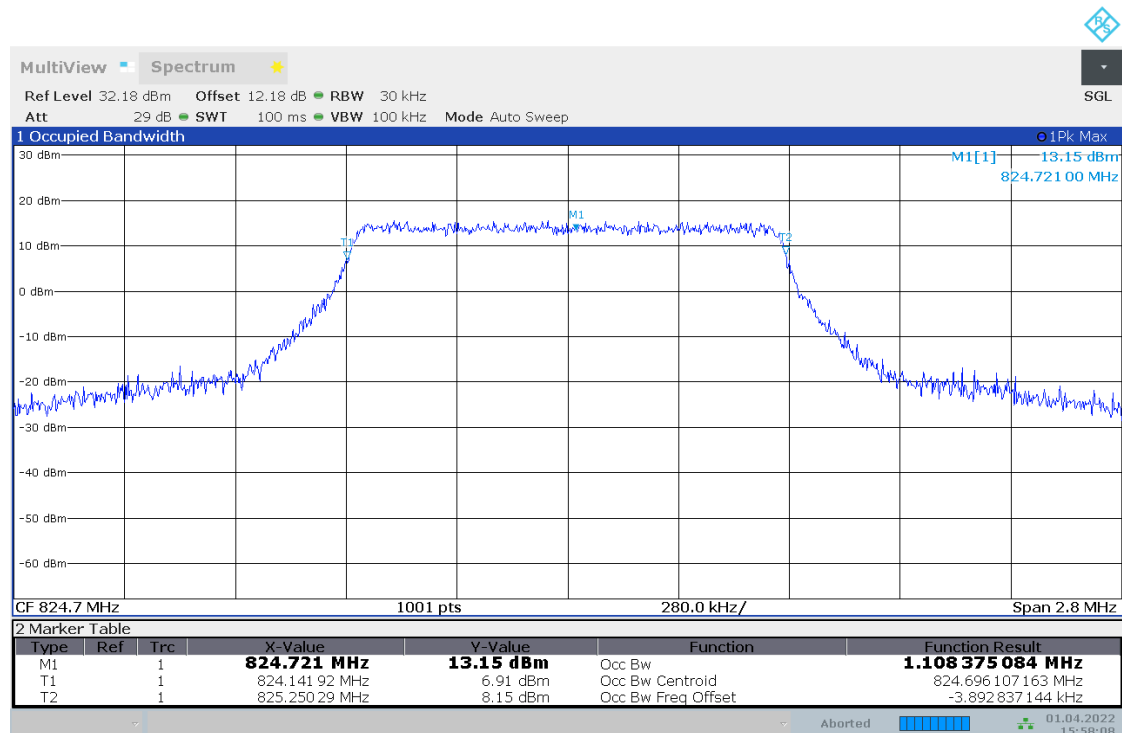


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4.2.16 TM2_1.4MHZ_LCH_RB6#0

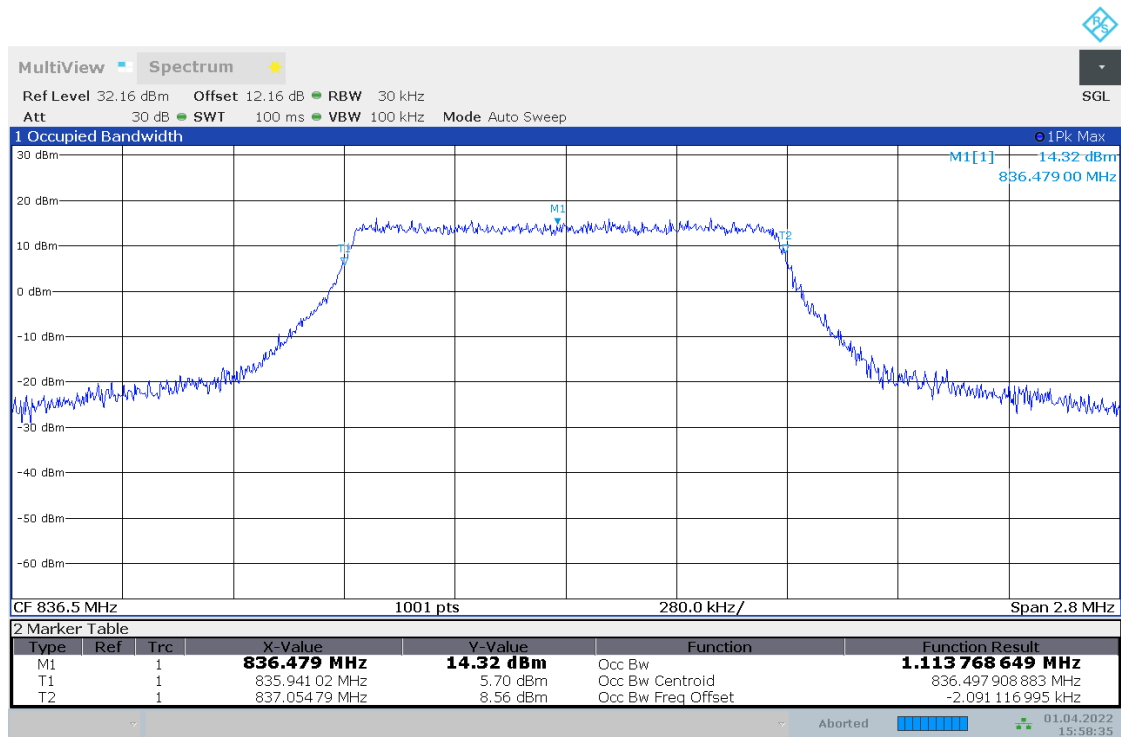
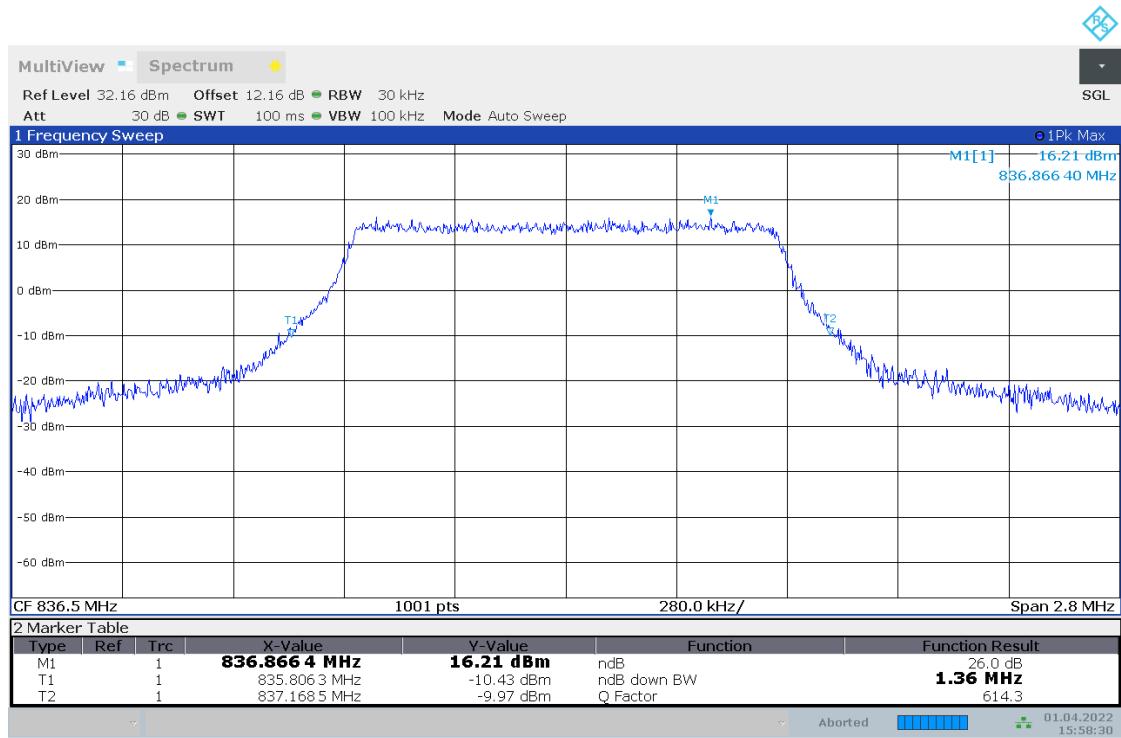


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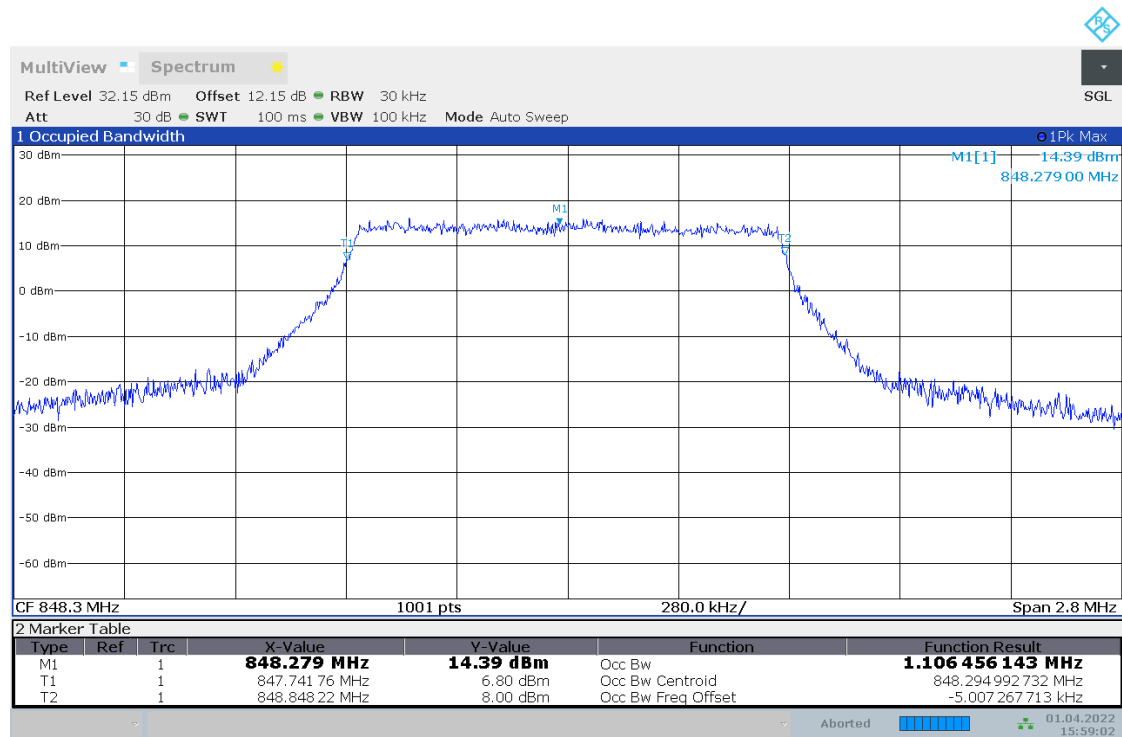
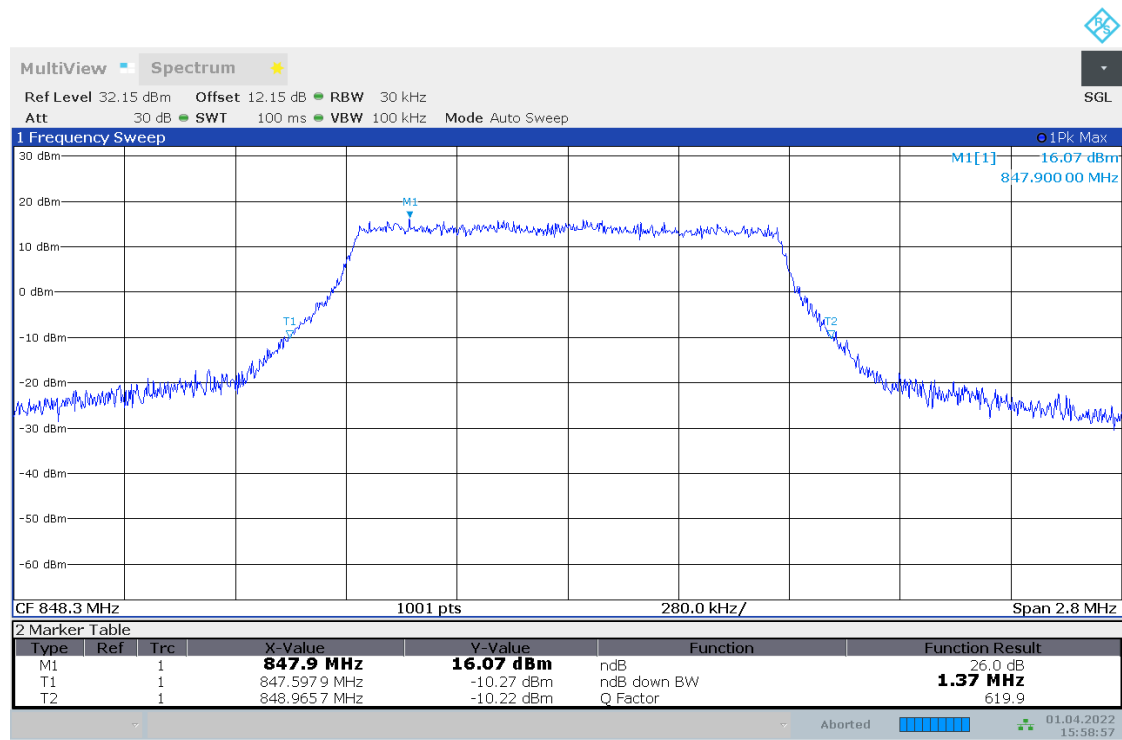


15:58:08 01.04.2022

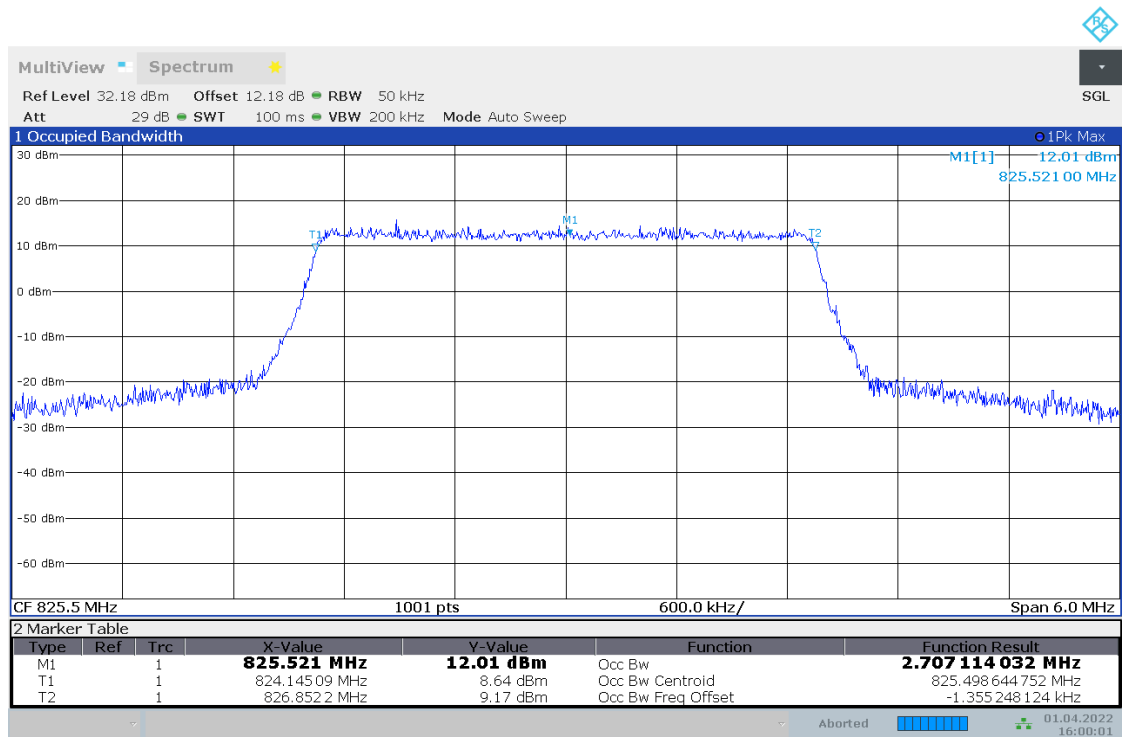
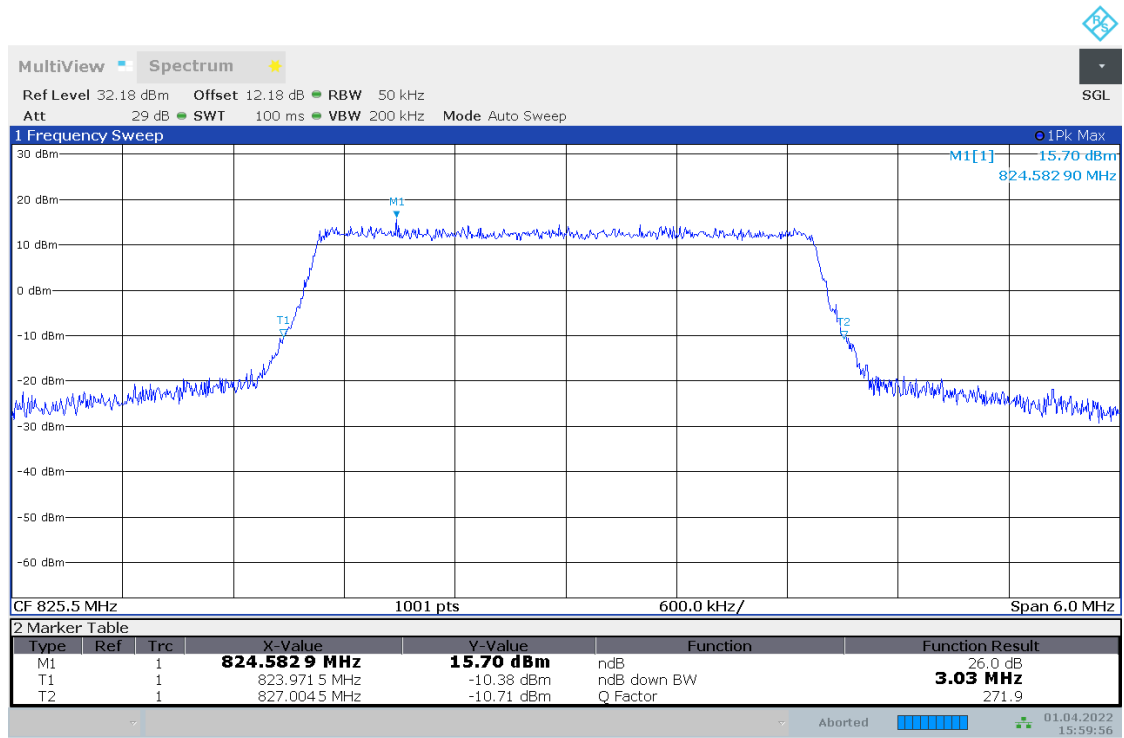
4.2.17 TM2_1.4MHZ_MCH_RB6#0



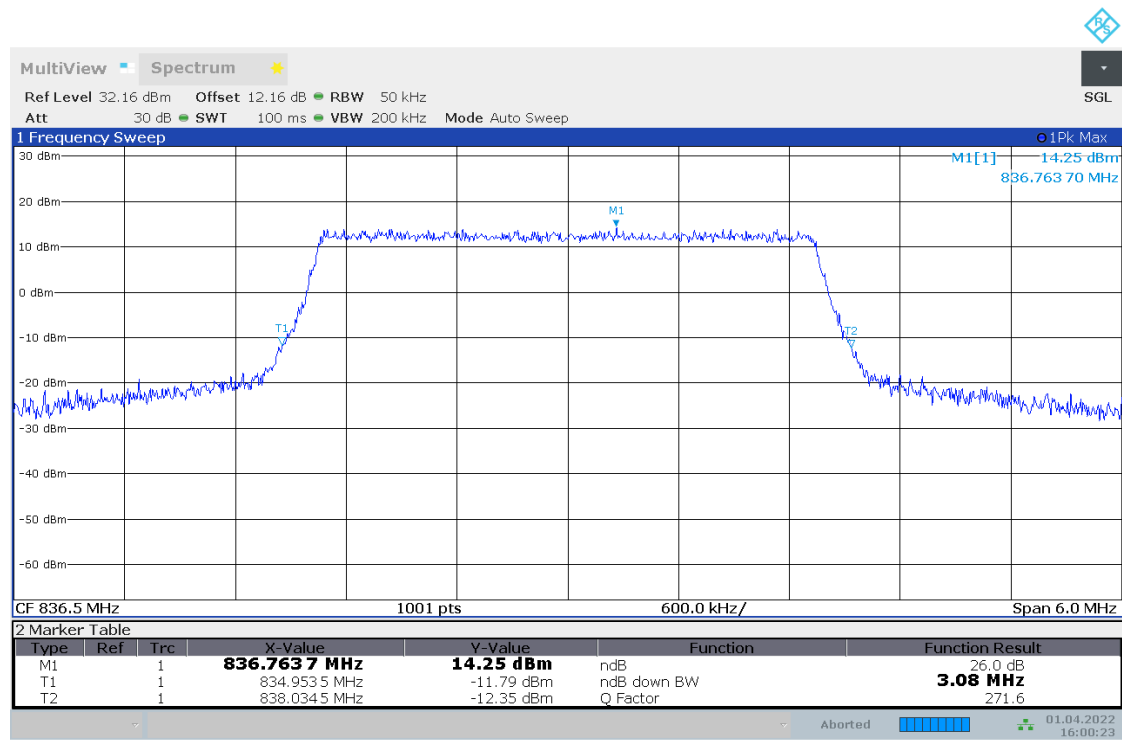
4.2.18 TM2_1.4MHZ_HCH_RB6#0



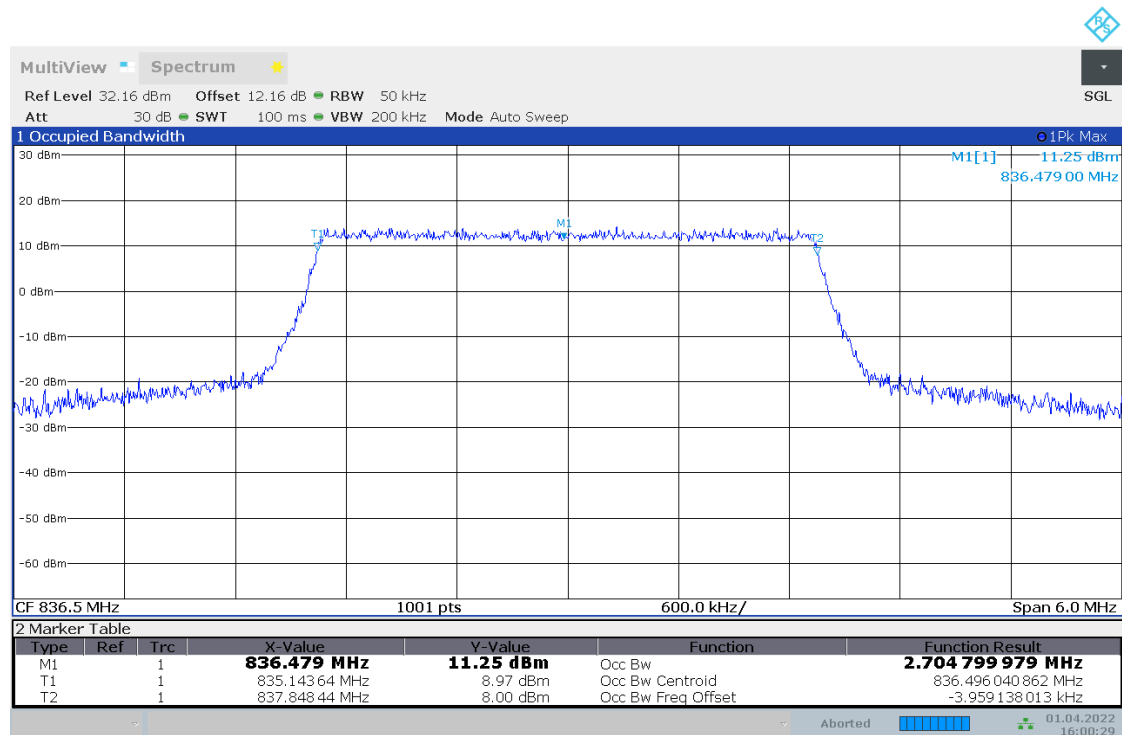
4.2.19 TM2_3MHZ_LCH_RB15#0



4.2.20 TM2_3MHZ_MCH_RB15#0

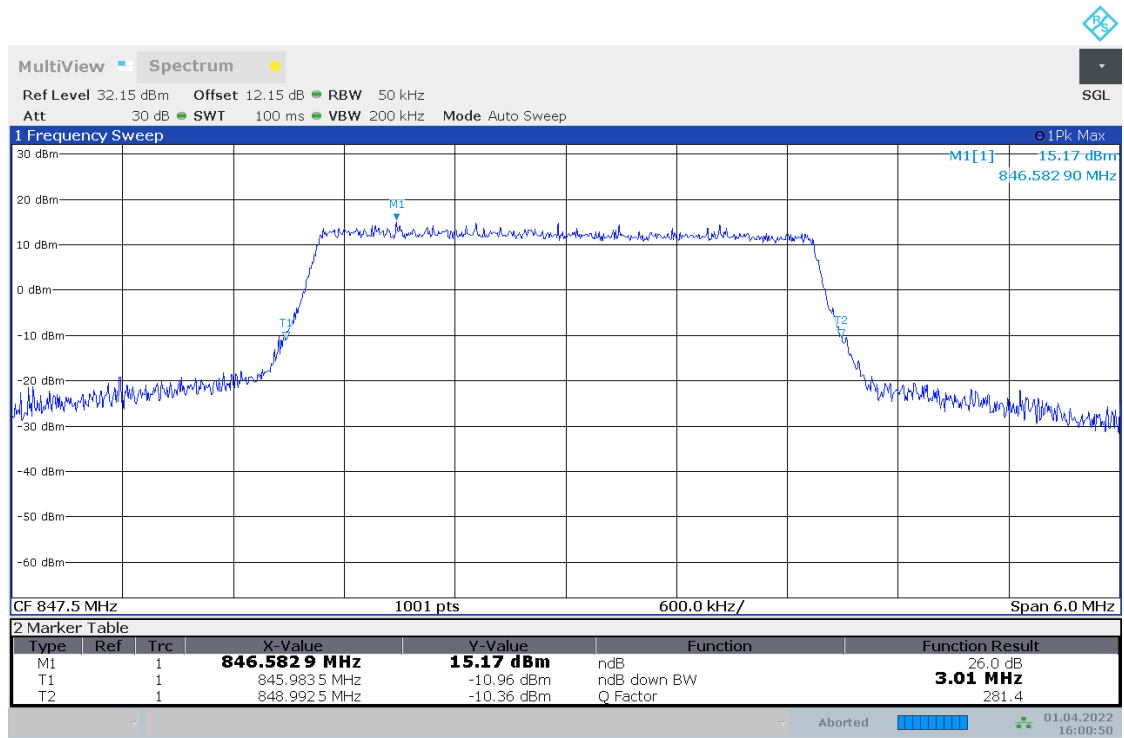


16:00:24 01.04.2022

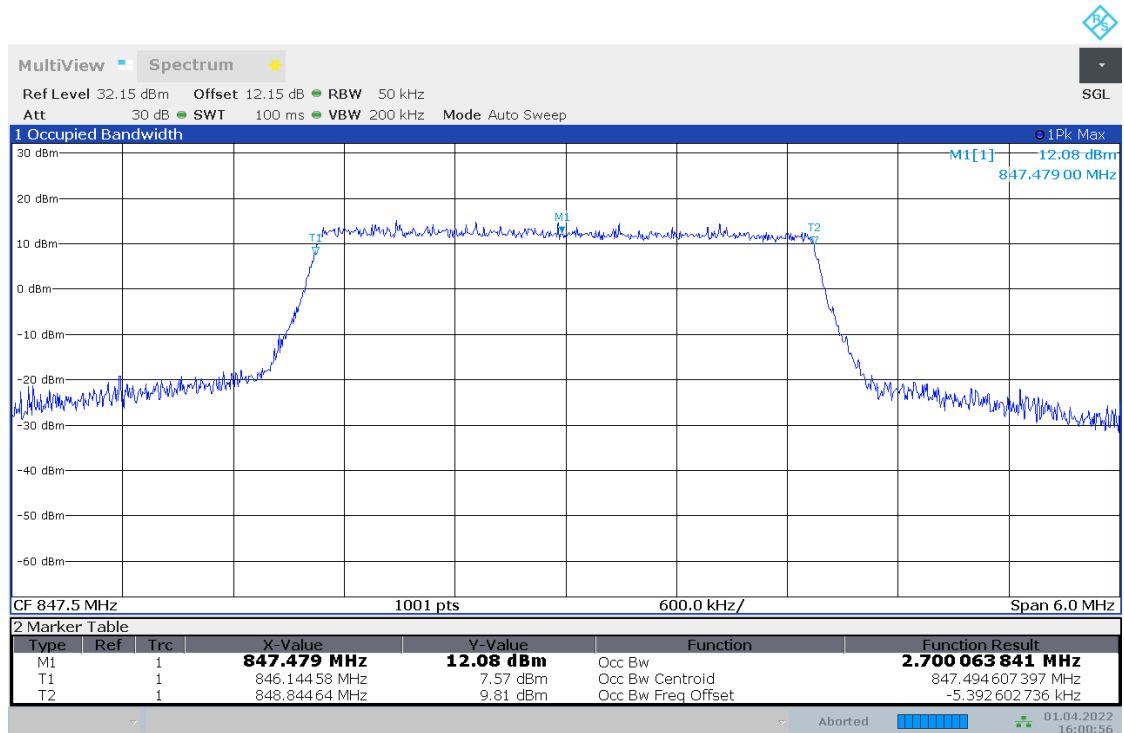


16:00:29 01.04.2022

4.2.21 TM2_3MHZ_HCH_RB15#0

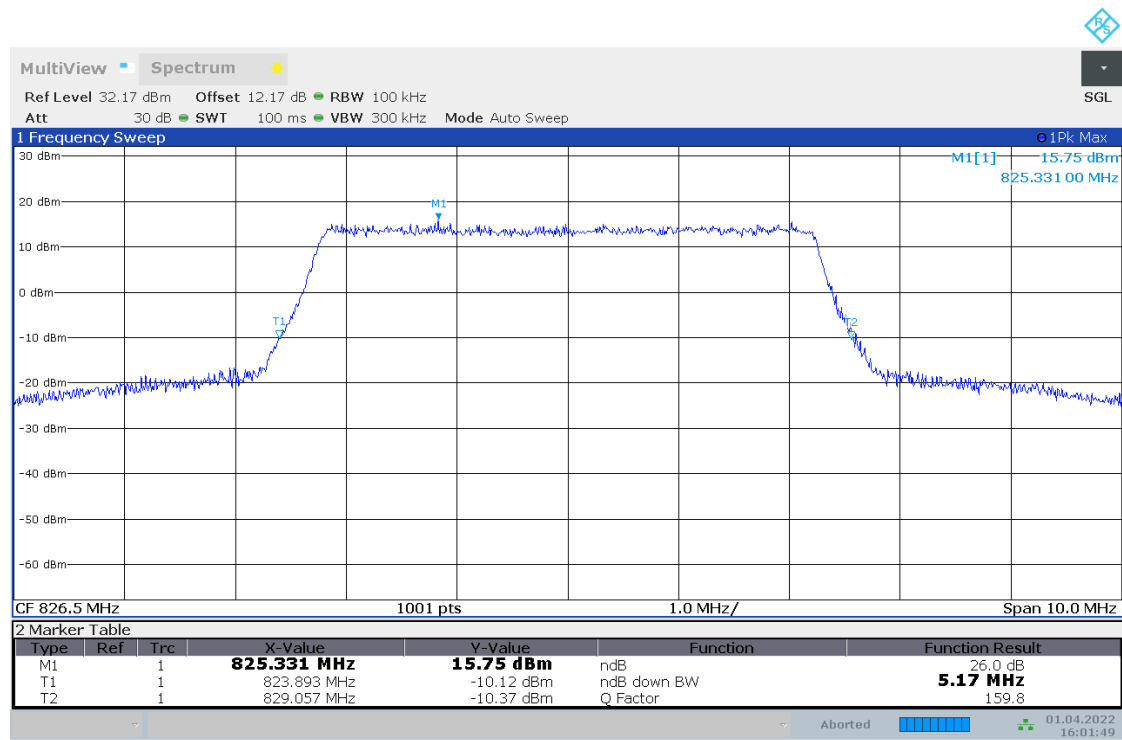


16:00:51 01.04.2022

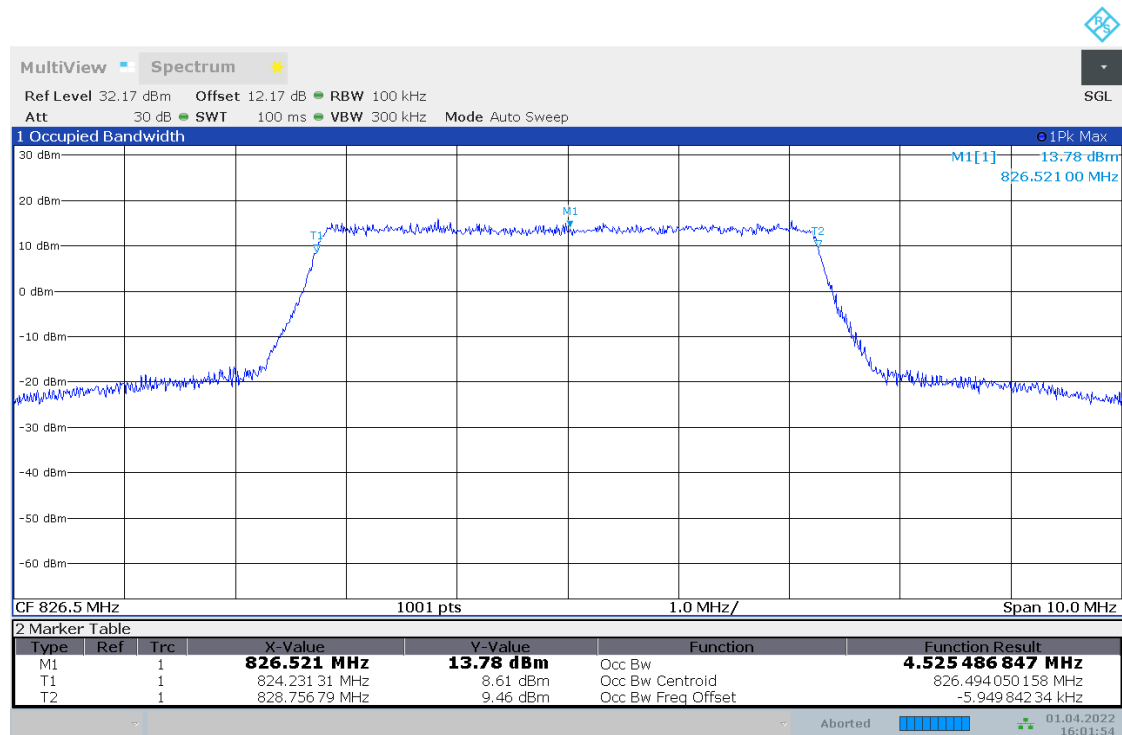


16:00:56 01.04.2022

4.2.22 TM2_5MHZ_LCH_RB25#0

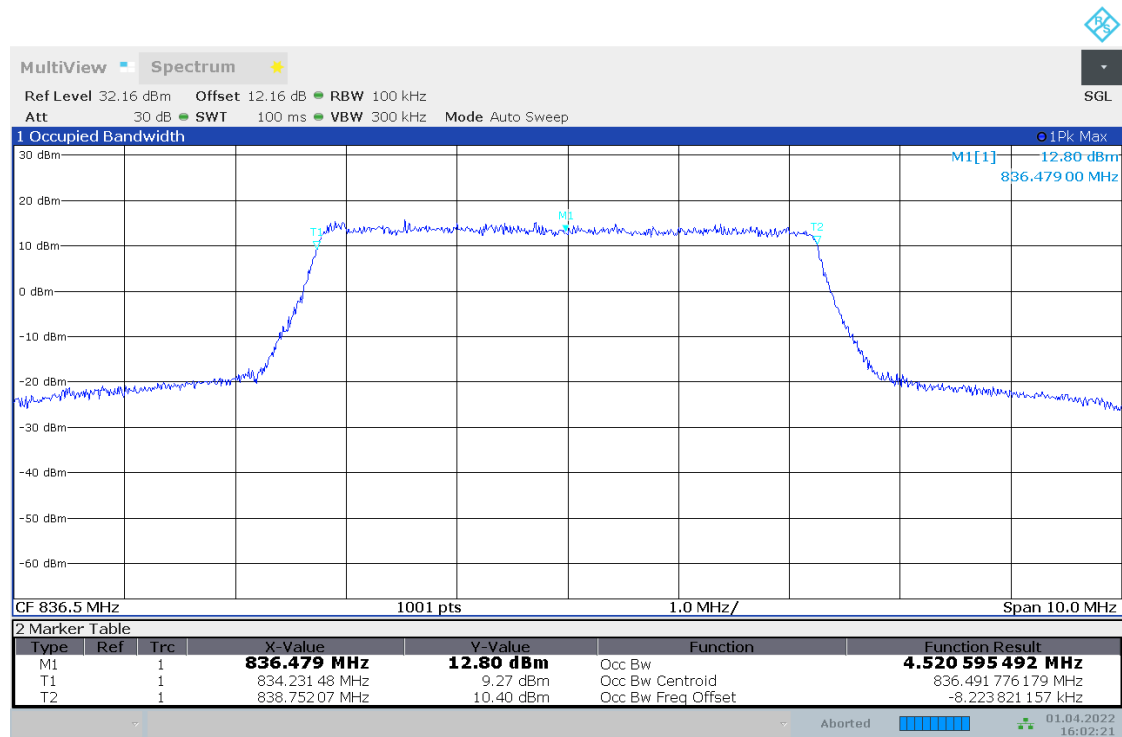
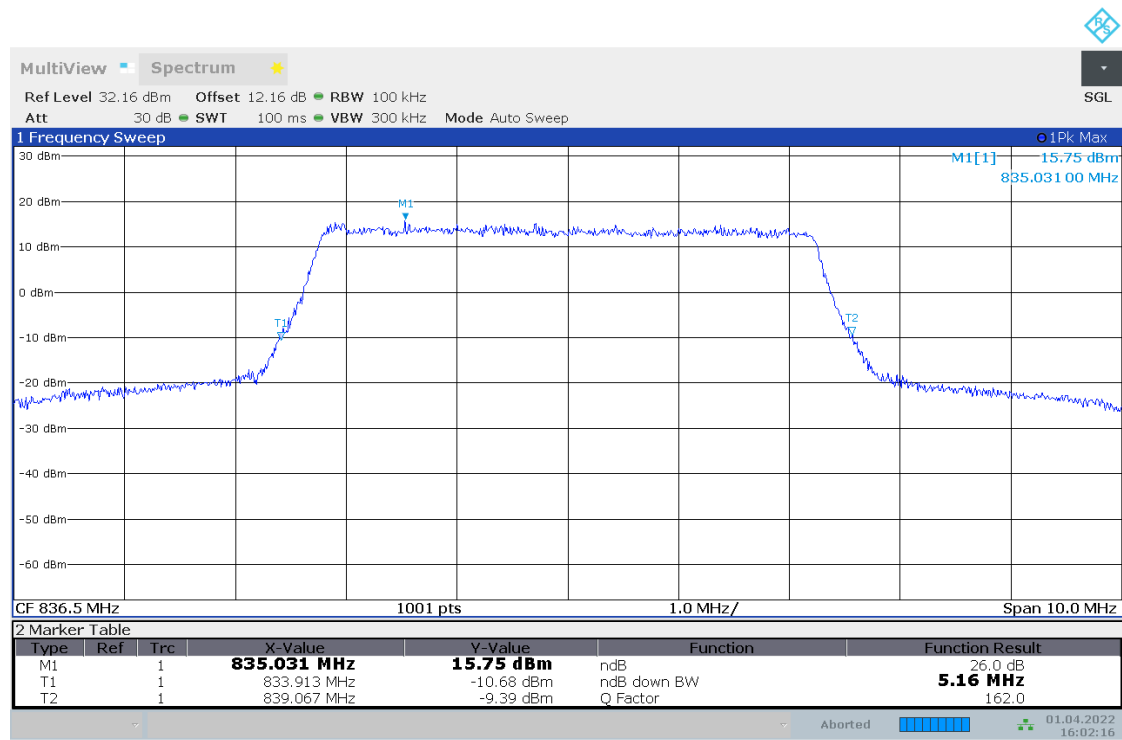


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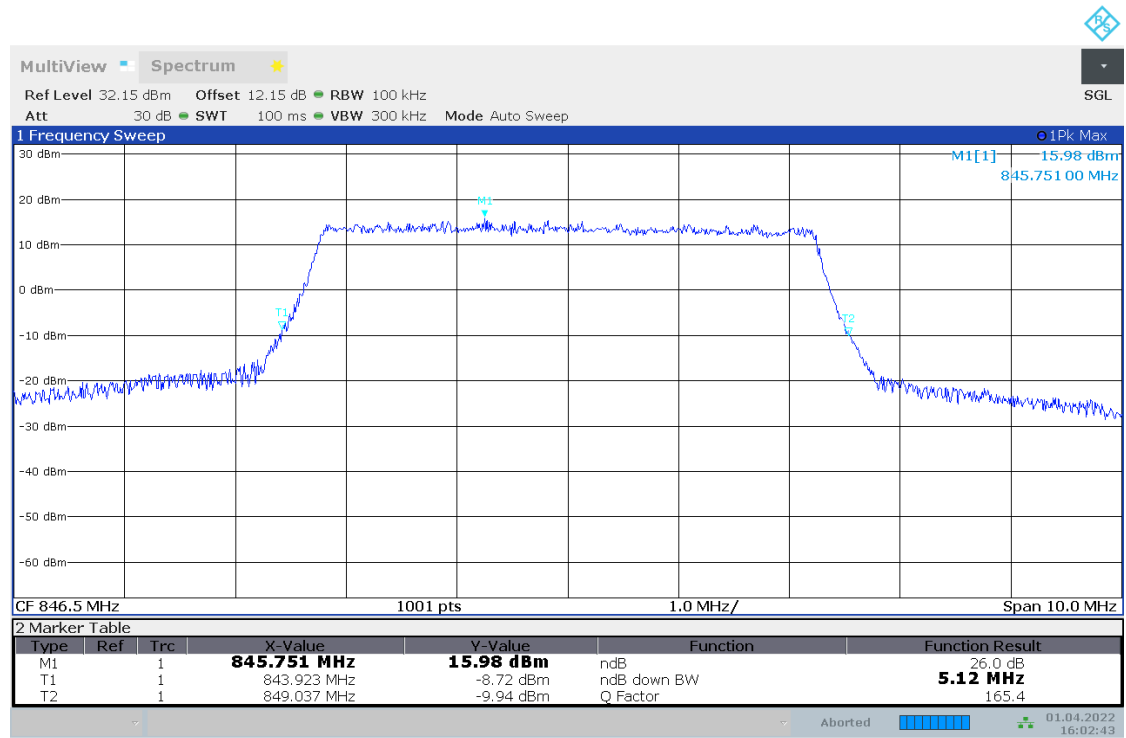


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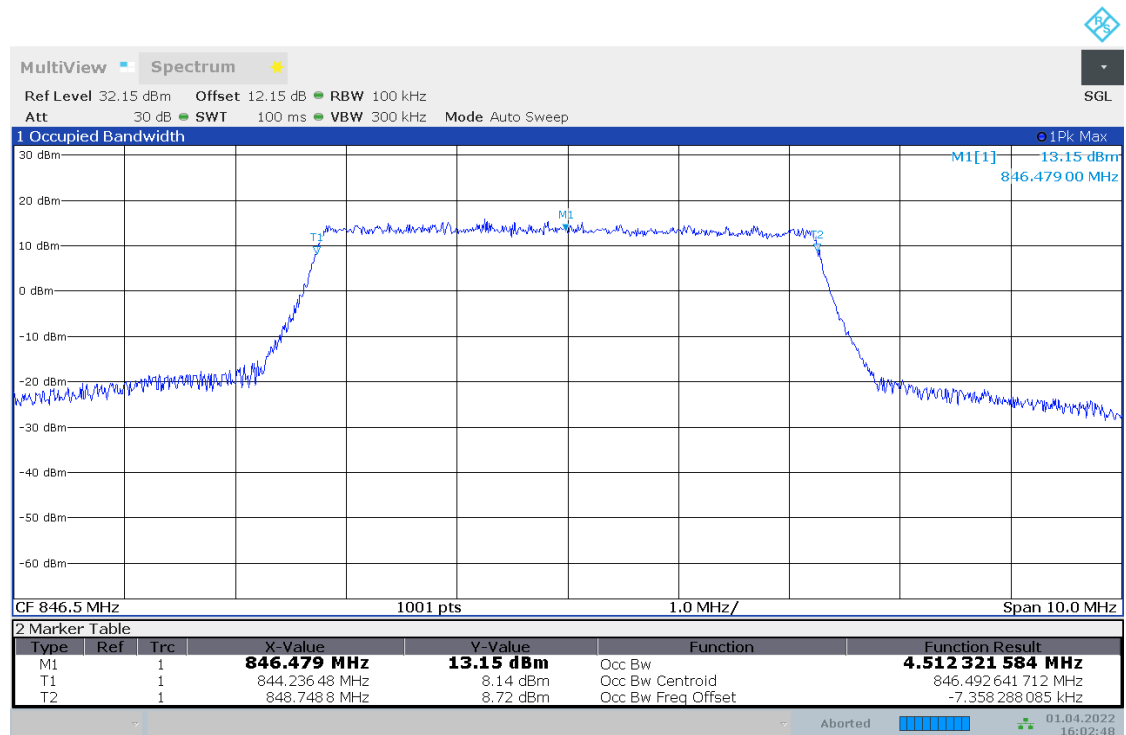
4.2.23 TM2_5MHZ_MCH_RB25#0



4.2.24 TM2_5MHZ_HCH_RB25#0

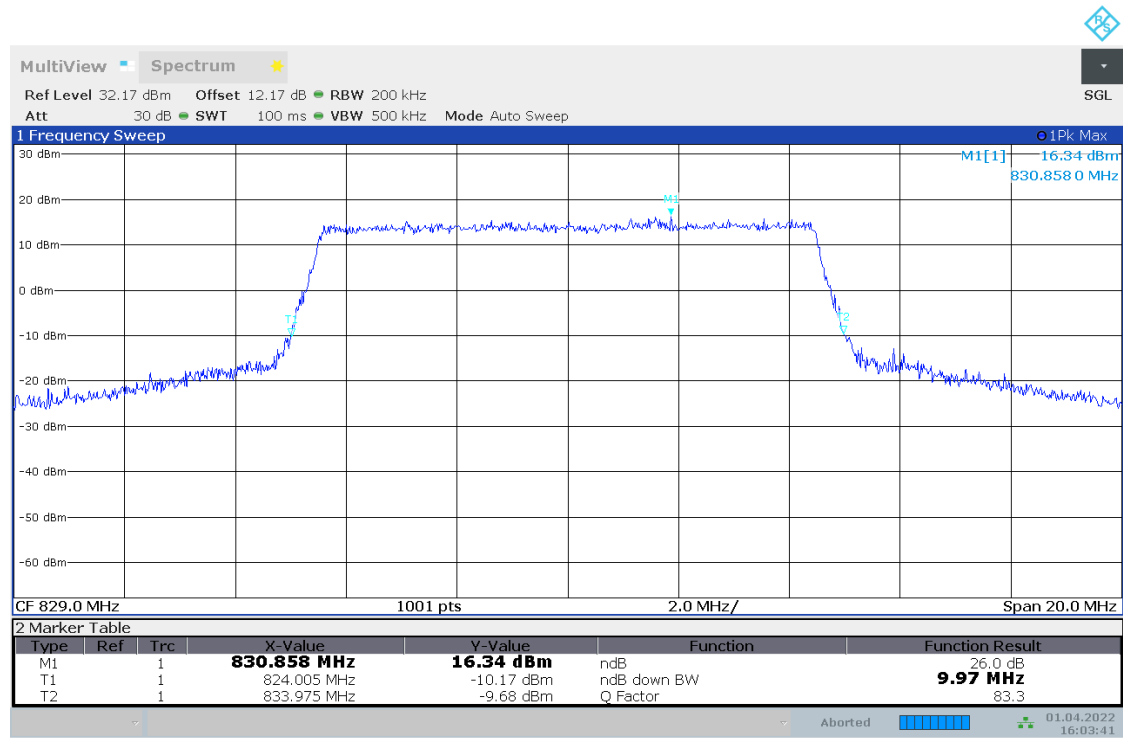


16:02:44 01.04.2022

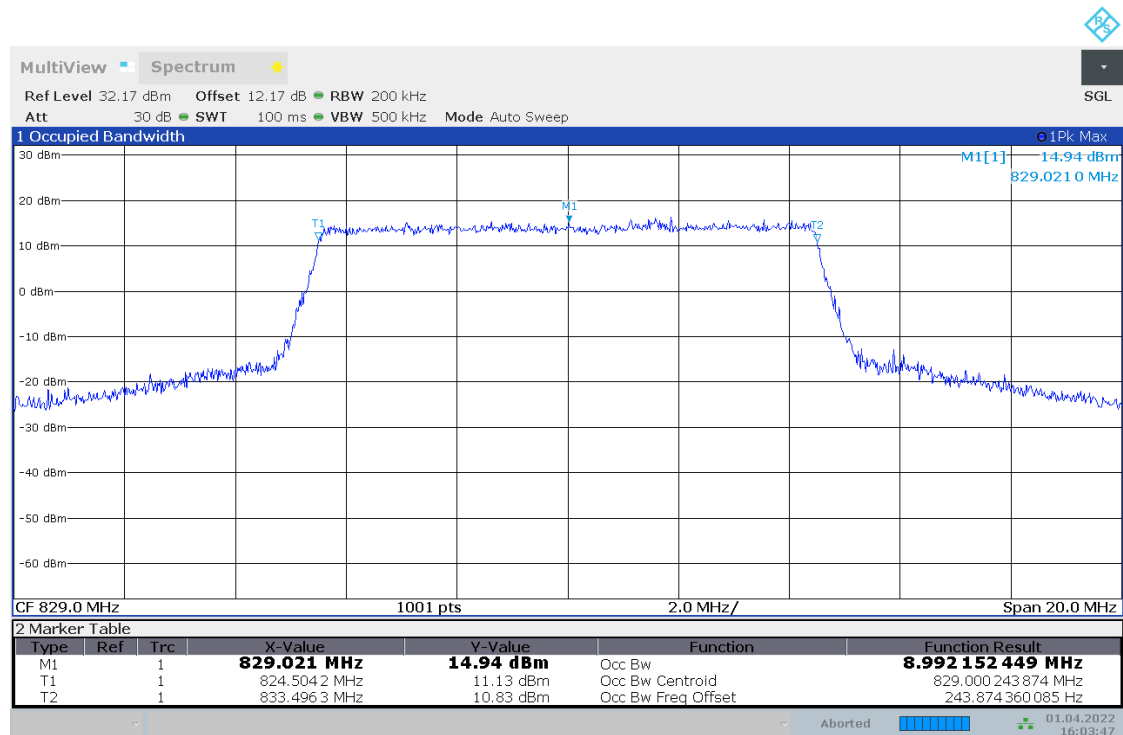


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4.2.25 TM2_10MHZ_LCH_RB50#0

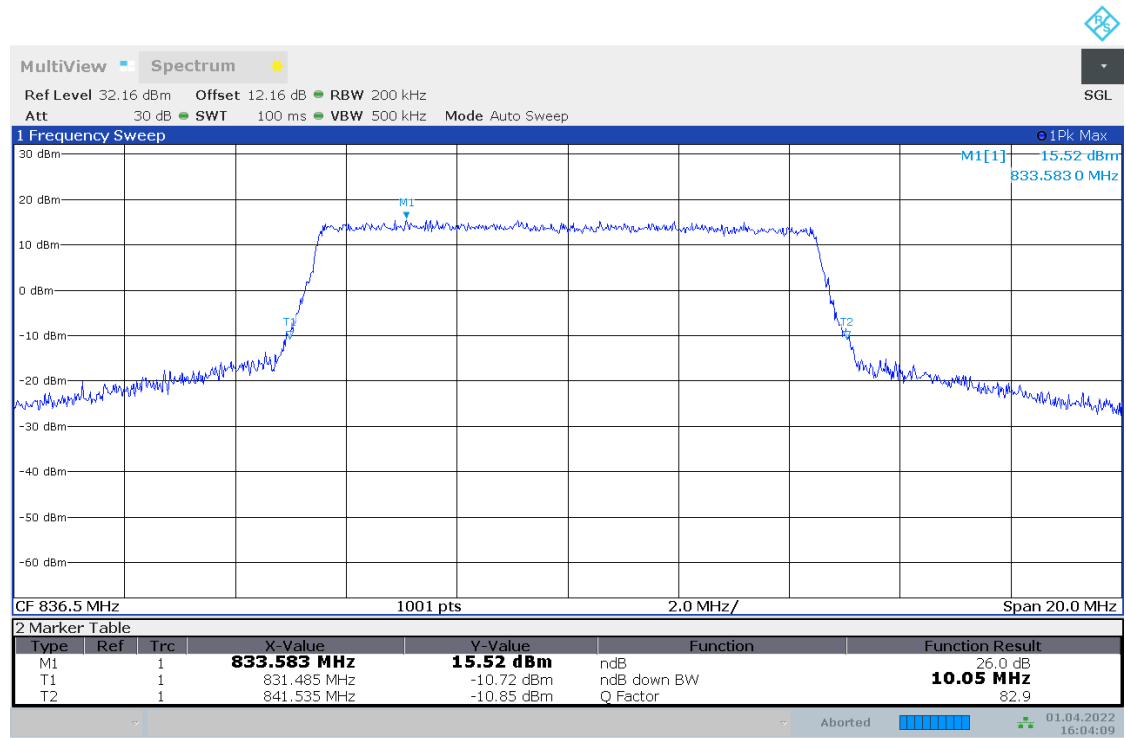


16:03:42 01.04.2022

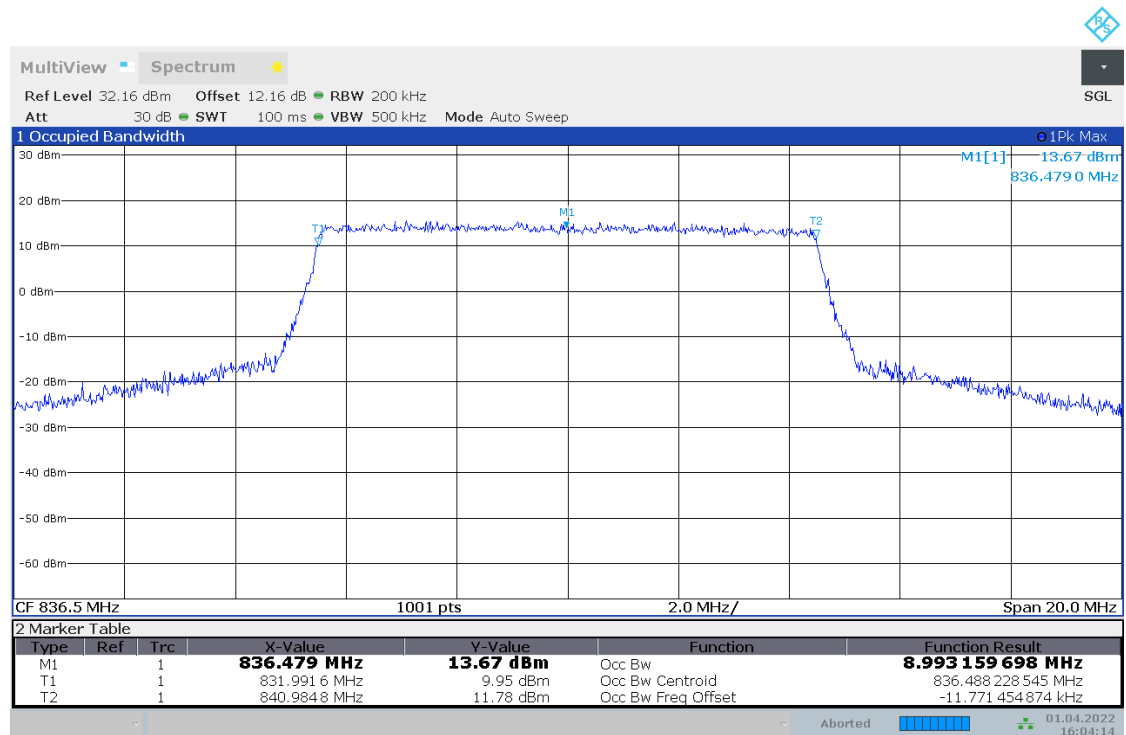


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4.2.26 TM2_10MHZ_MCH_RB50#0

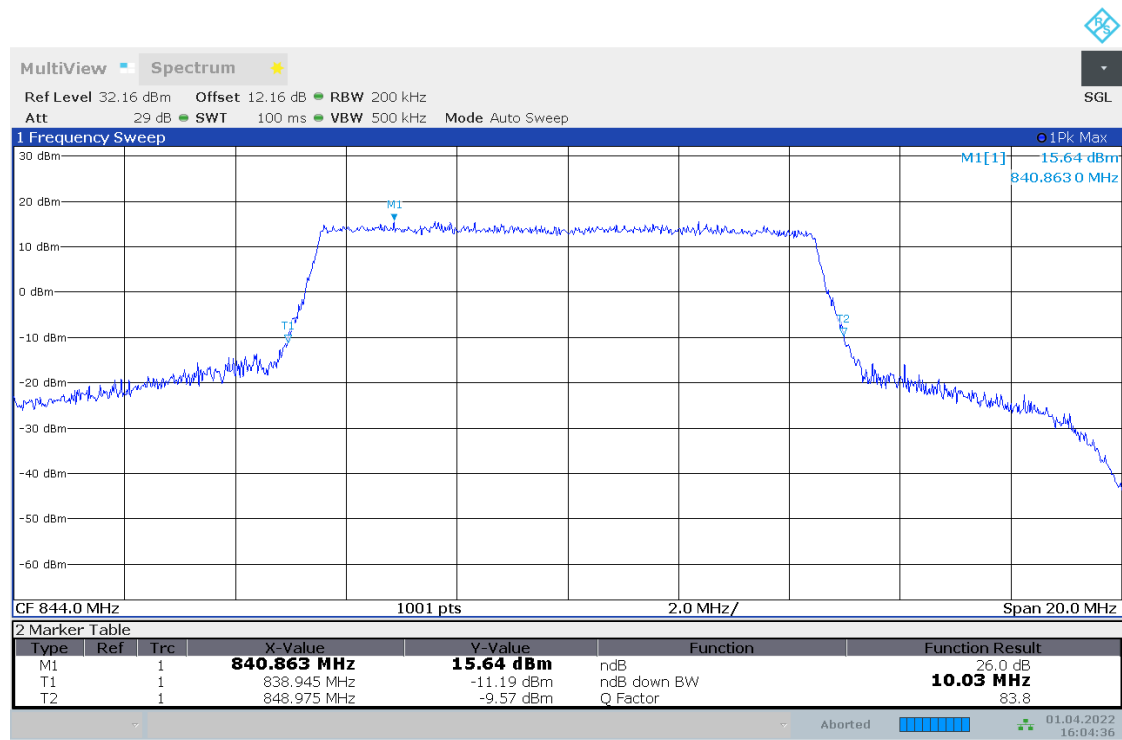


16:04:09 01.04.2022

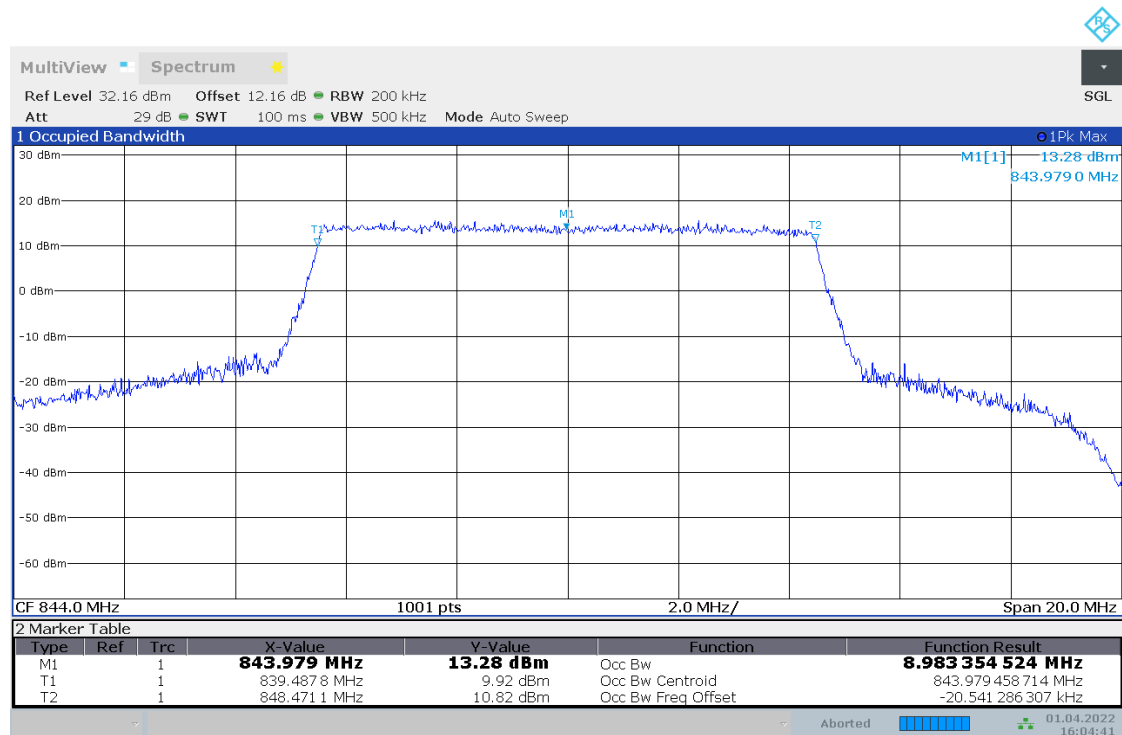


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4.2.27 TM2_10MHZ_HCH_RB50#0

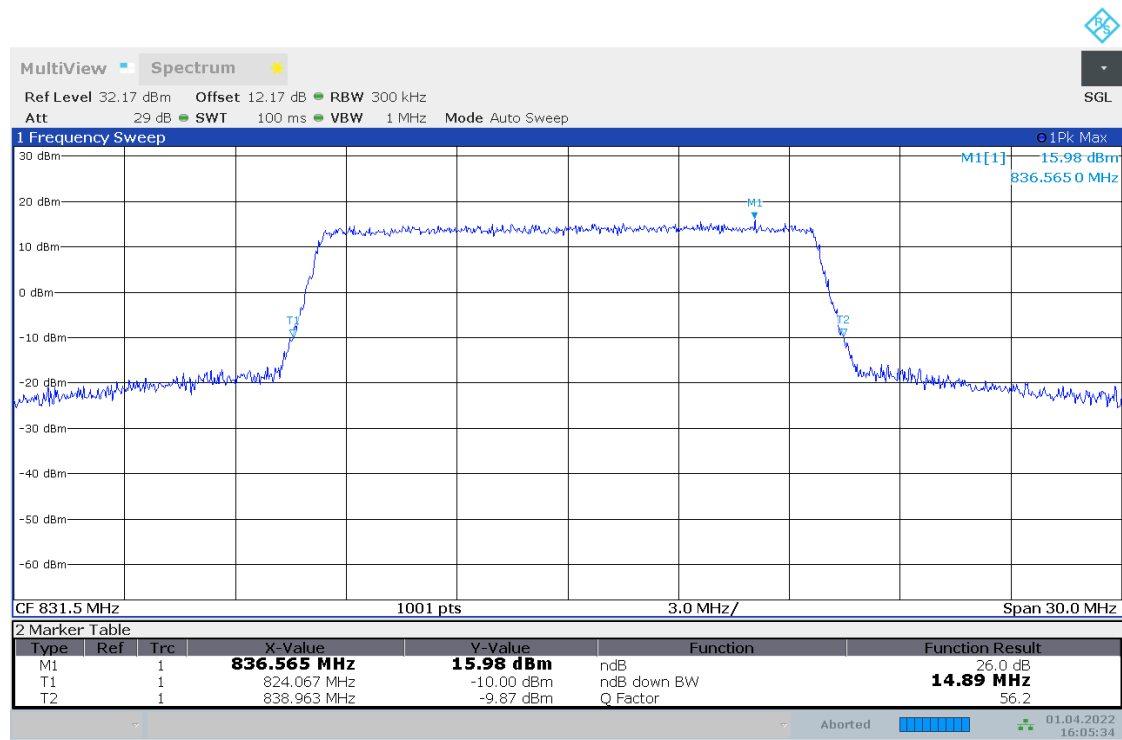


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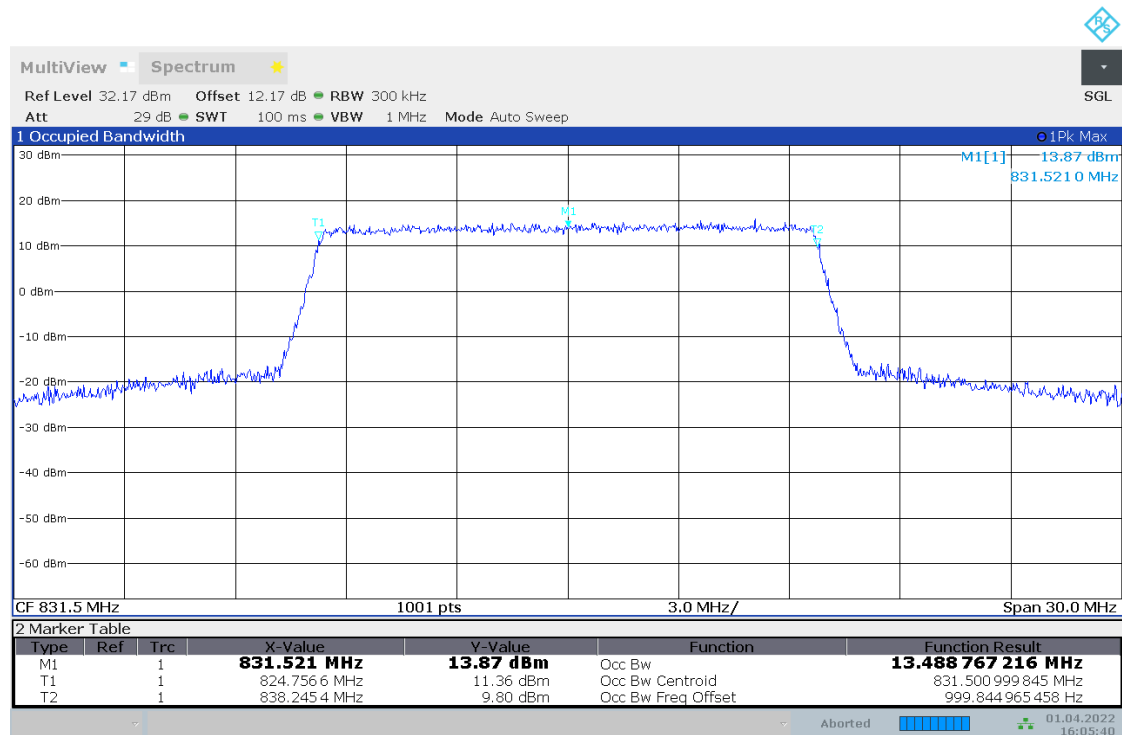


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4.2.28 TM2_15MHZ_LCH_RB75#0

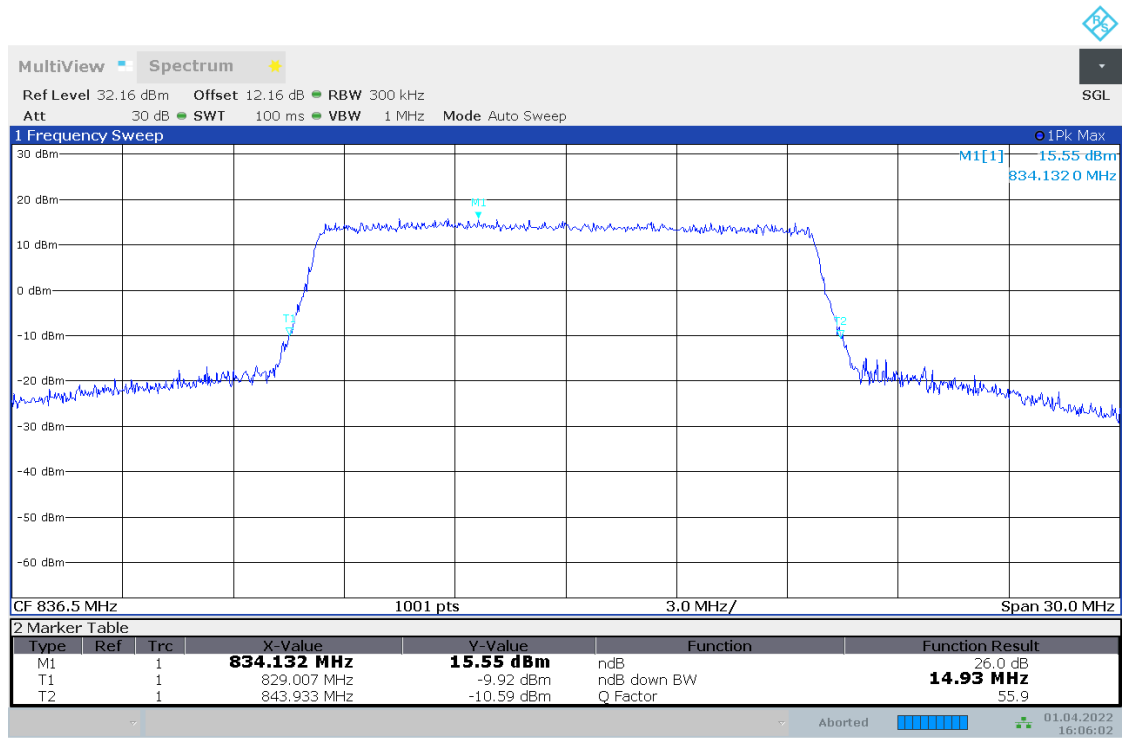


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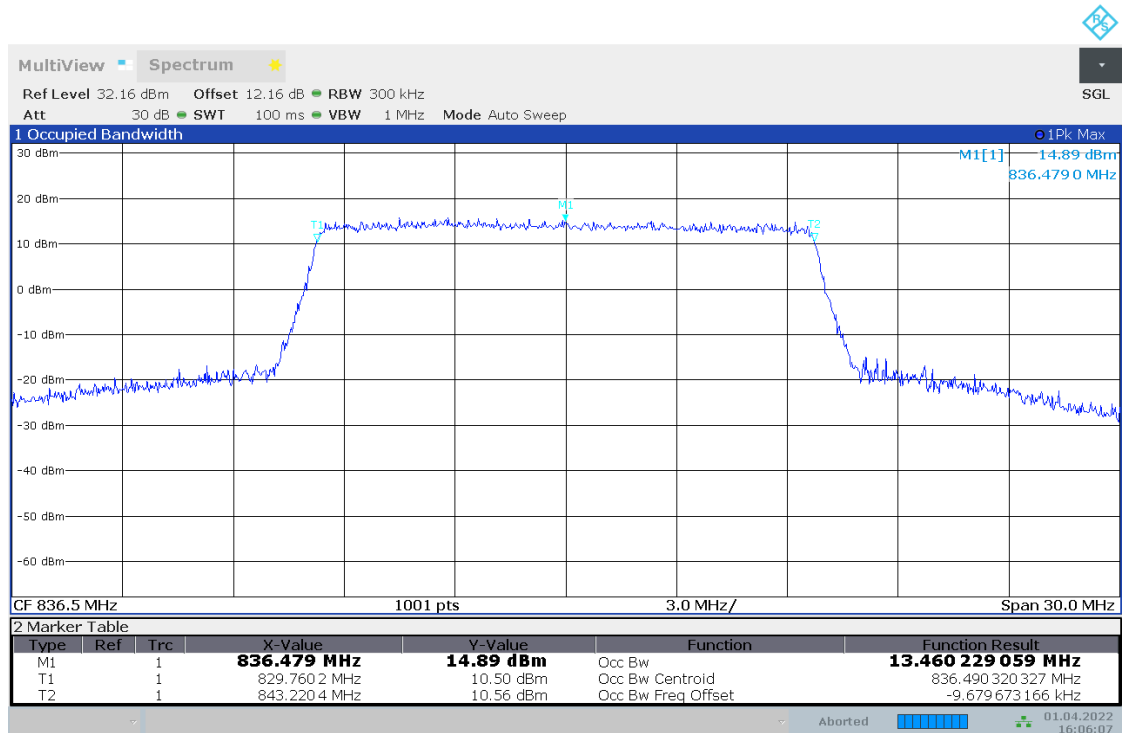


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4.2.29 TM2_15MHZ_MCH_RB75#0

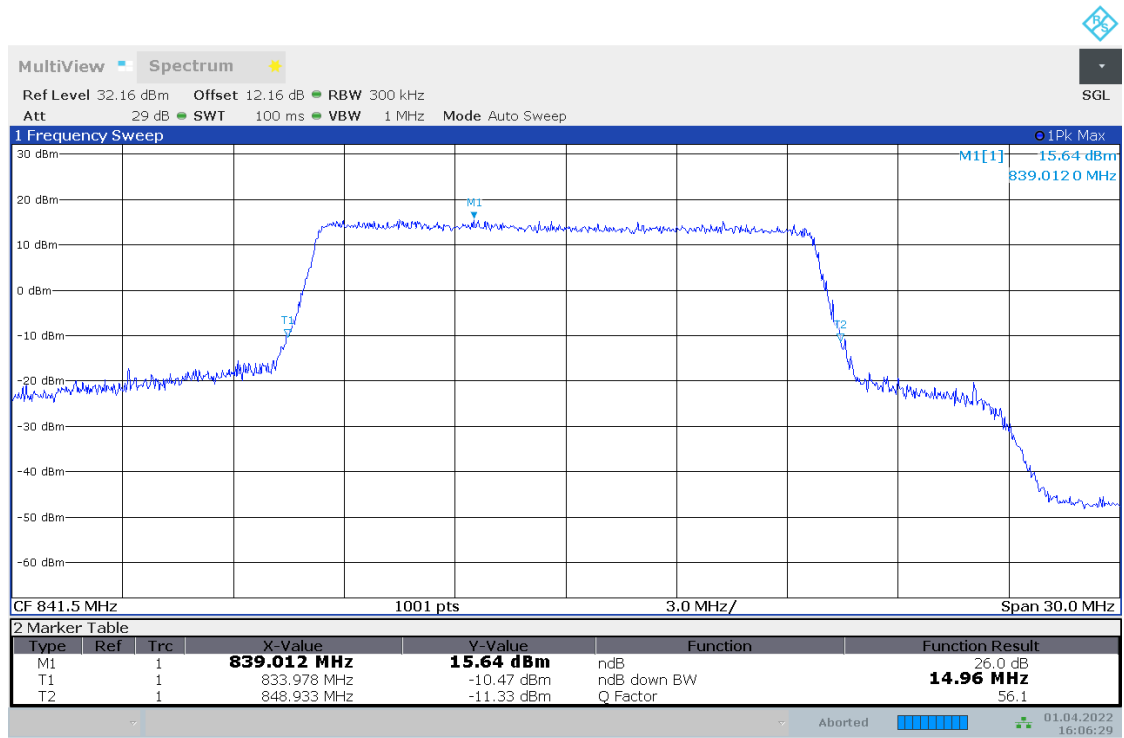


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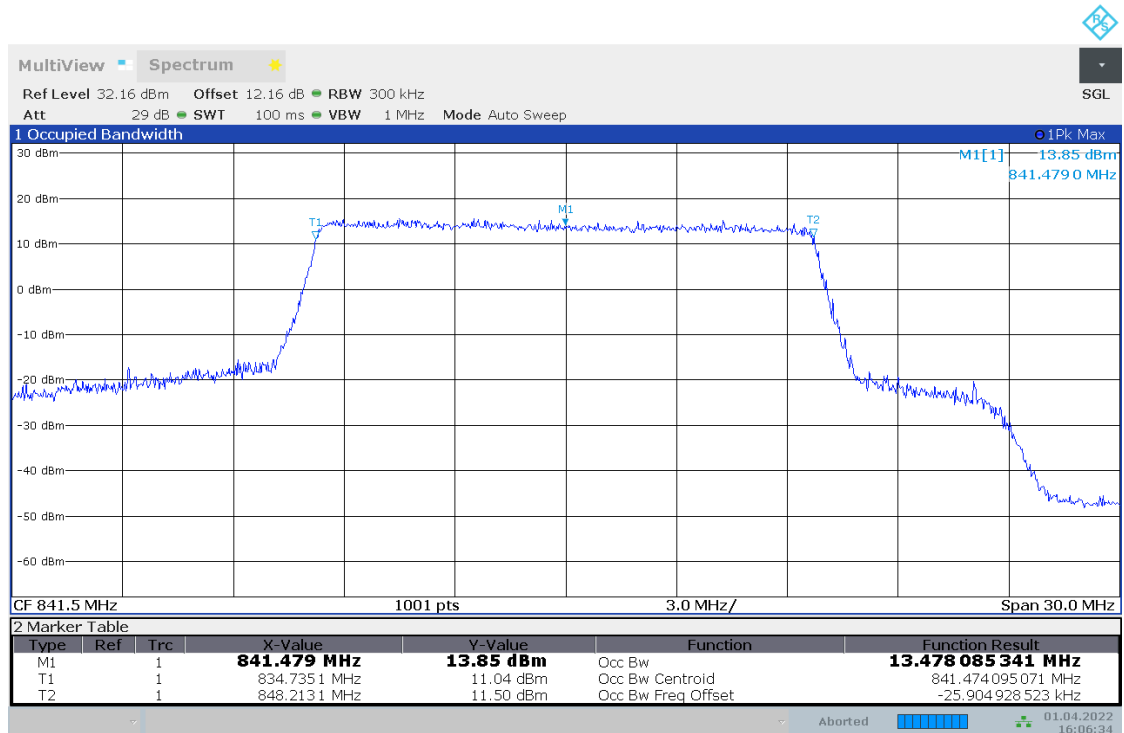


16:06:07 01.04.2022

4.2.30 TM2_15MHZ_HCH_RB75#0

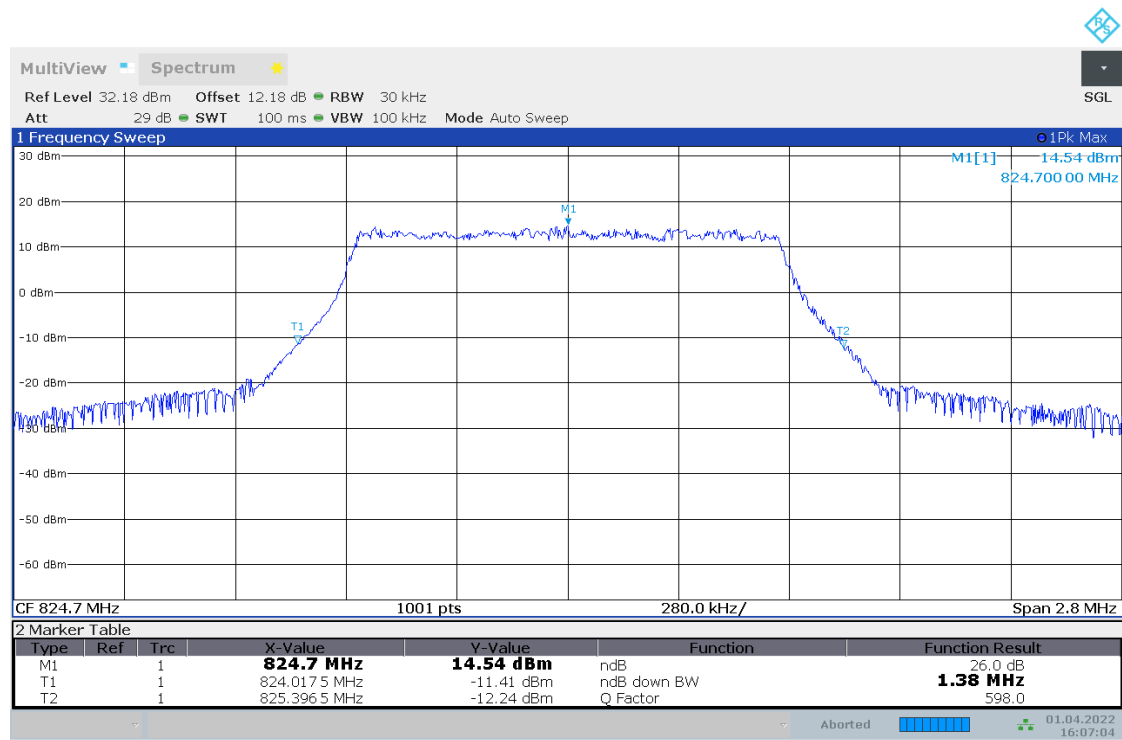


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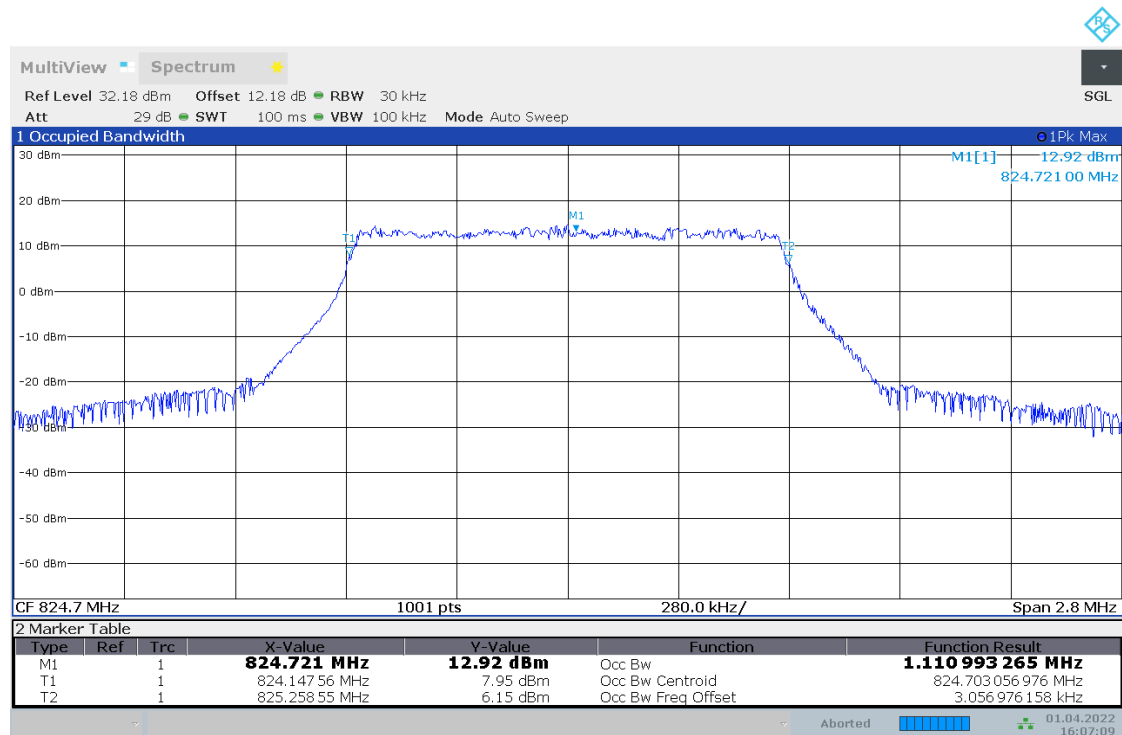


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4.2.31 TM3_1.4MHZ_LCH_RB6#0

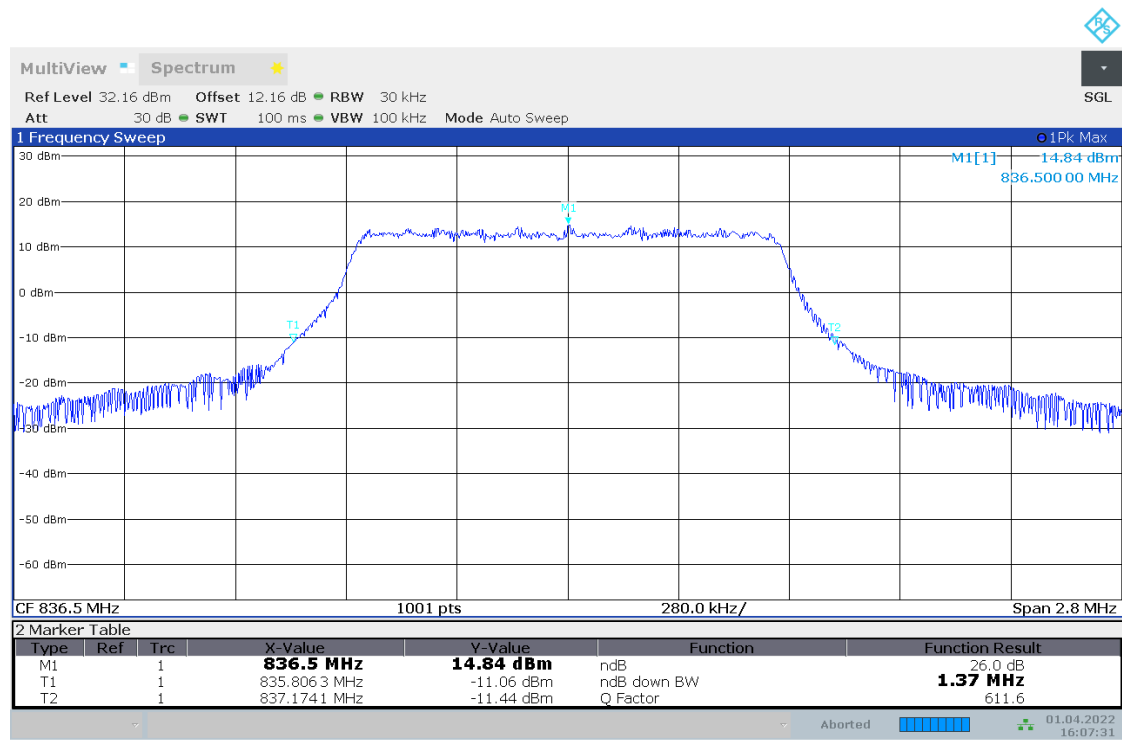


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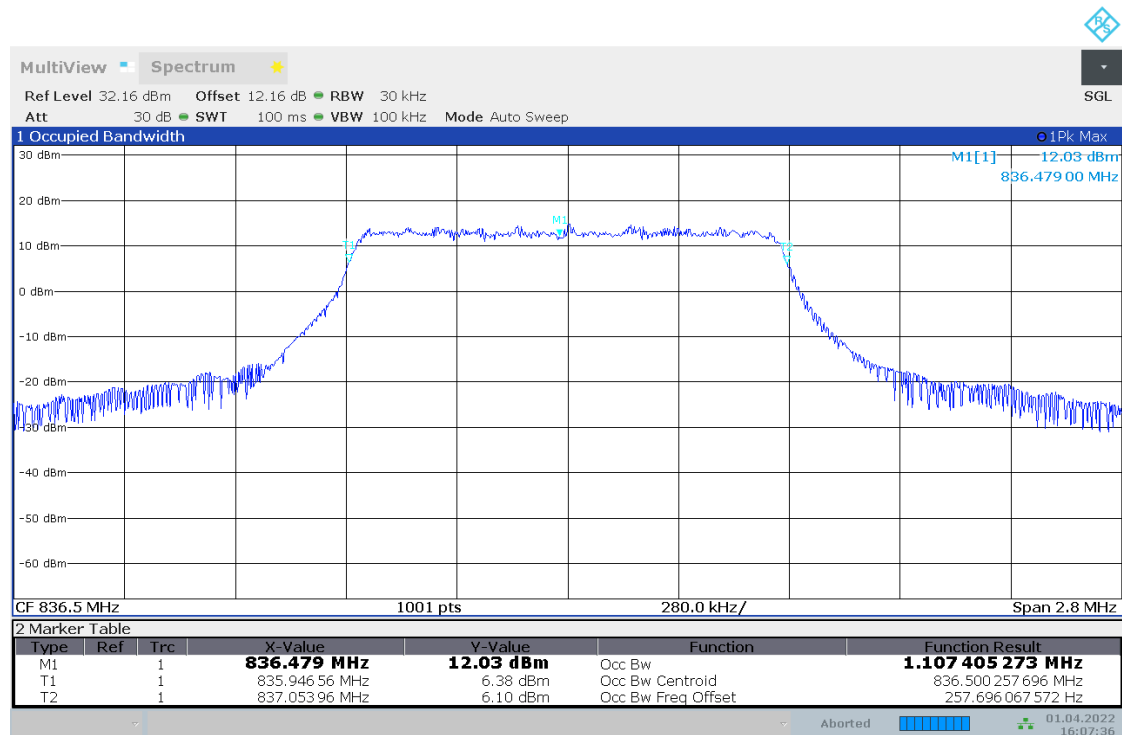


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4.2.32 TM3_1.4MHZ_MCH_RB6#0

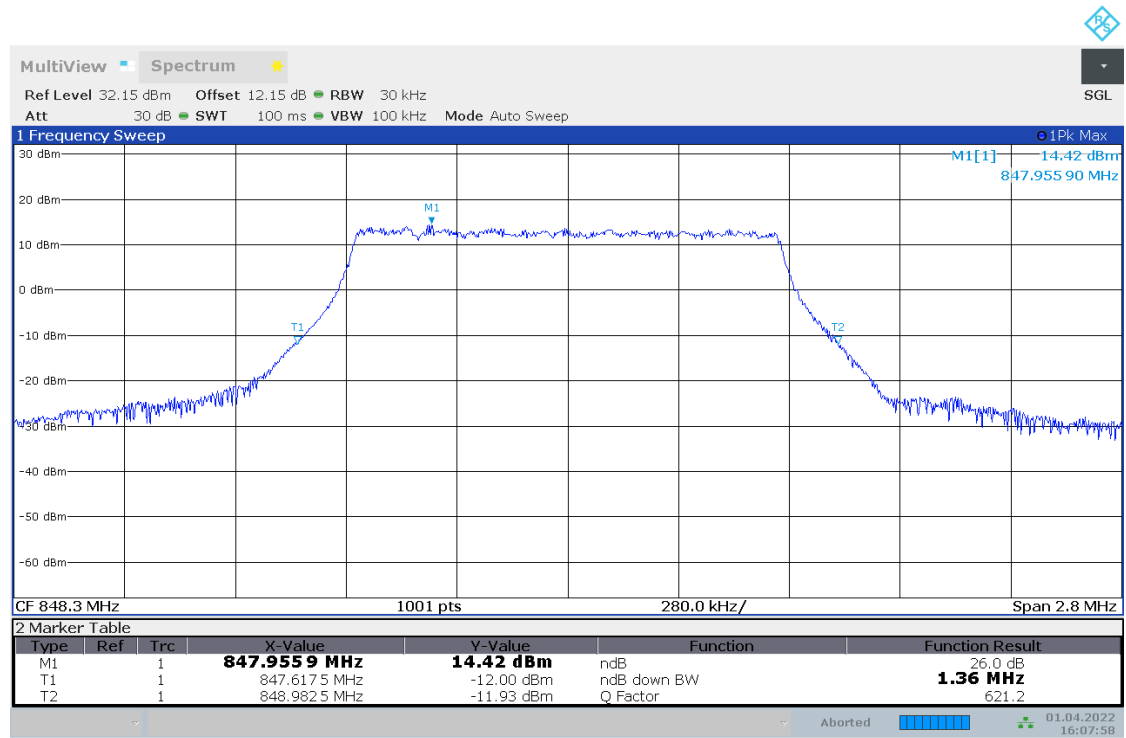


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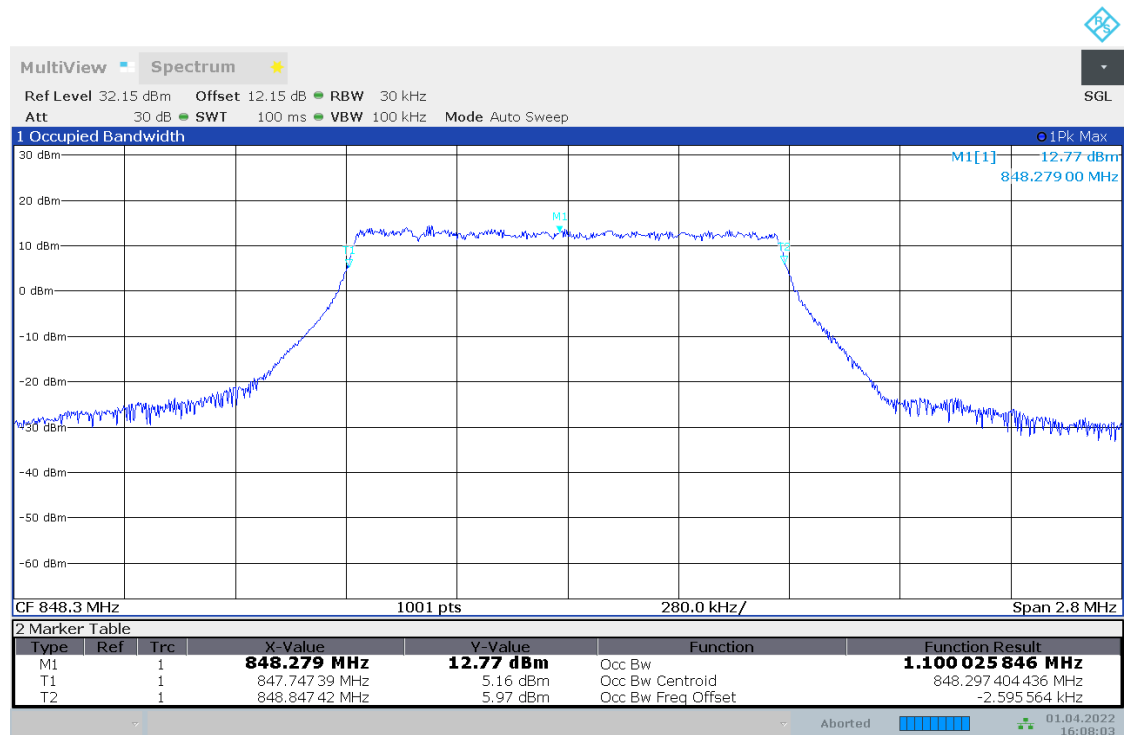


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4.2.33 TM3_1.4MHZ_HCH_RB6#0

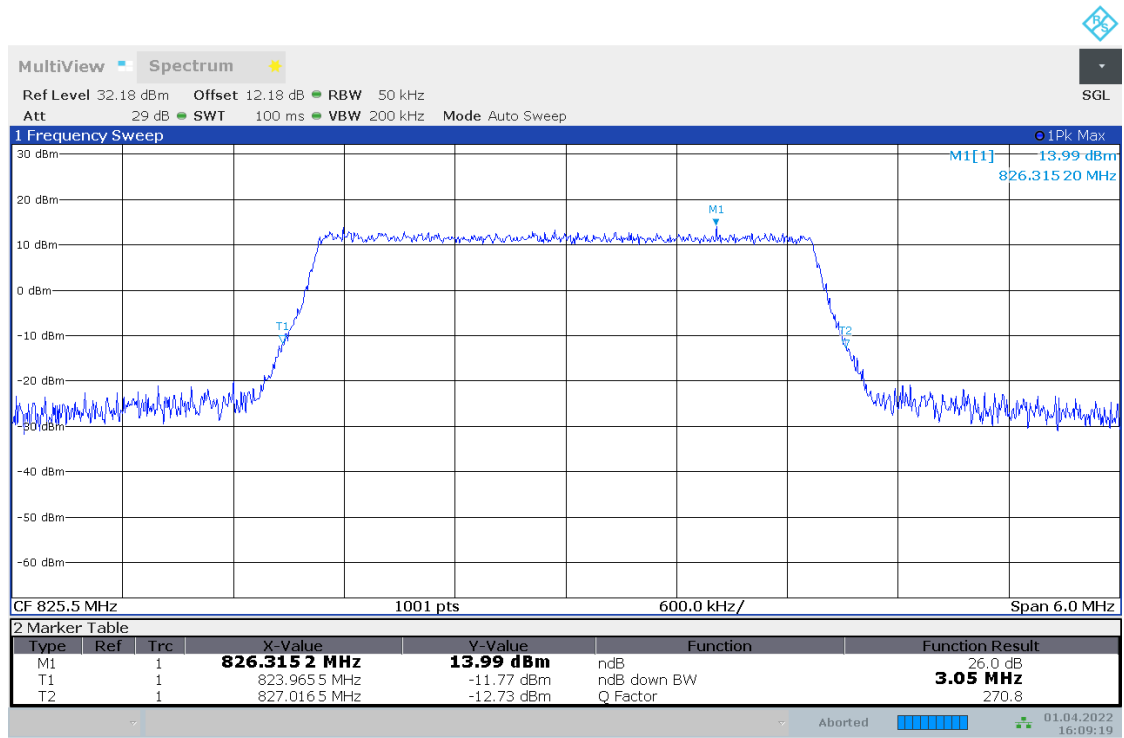


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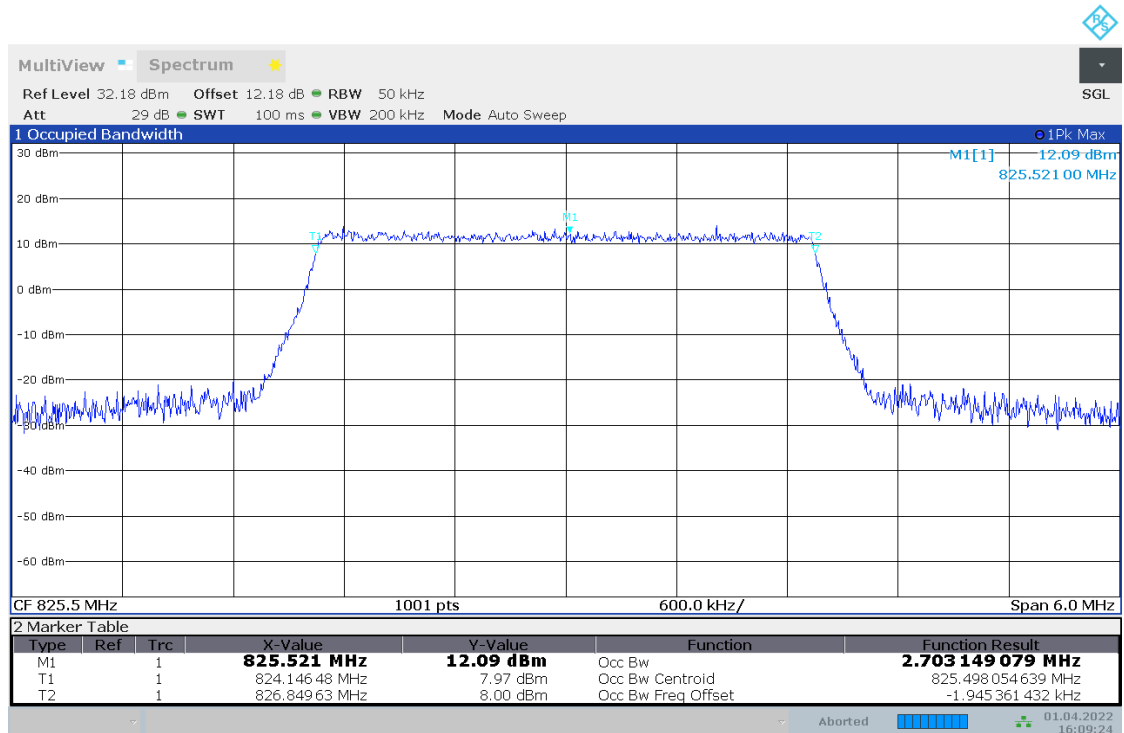


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4.2.34 TM3_3MHZ_LCH_RB15#0

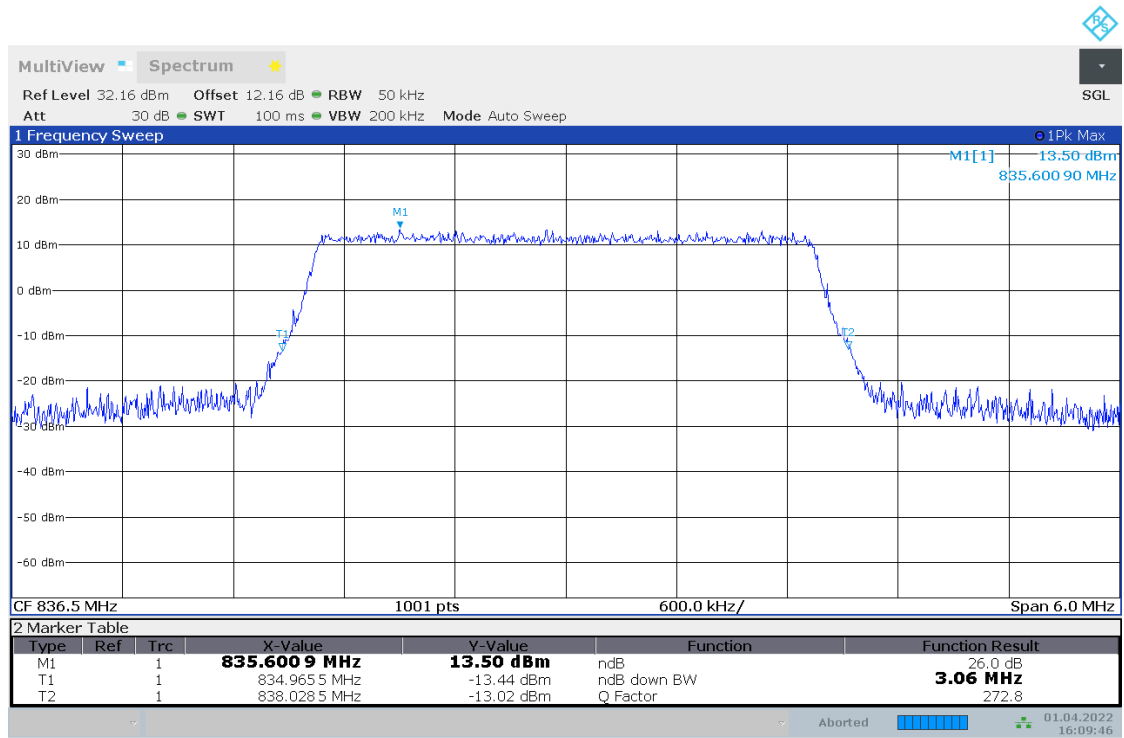


16:09:19 01.04.2022

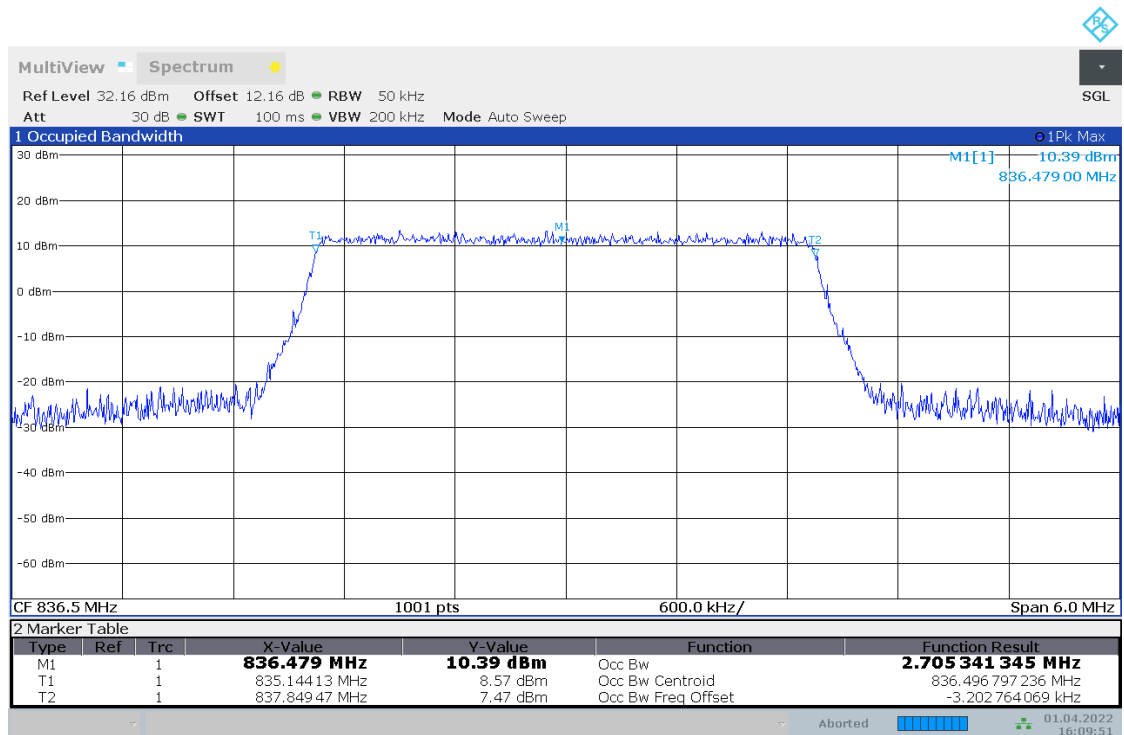


16:09:24 01.04.2022

4.2.35 TM3_3MHZ_MCH_RB15#0

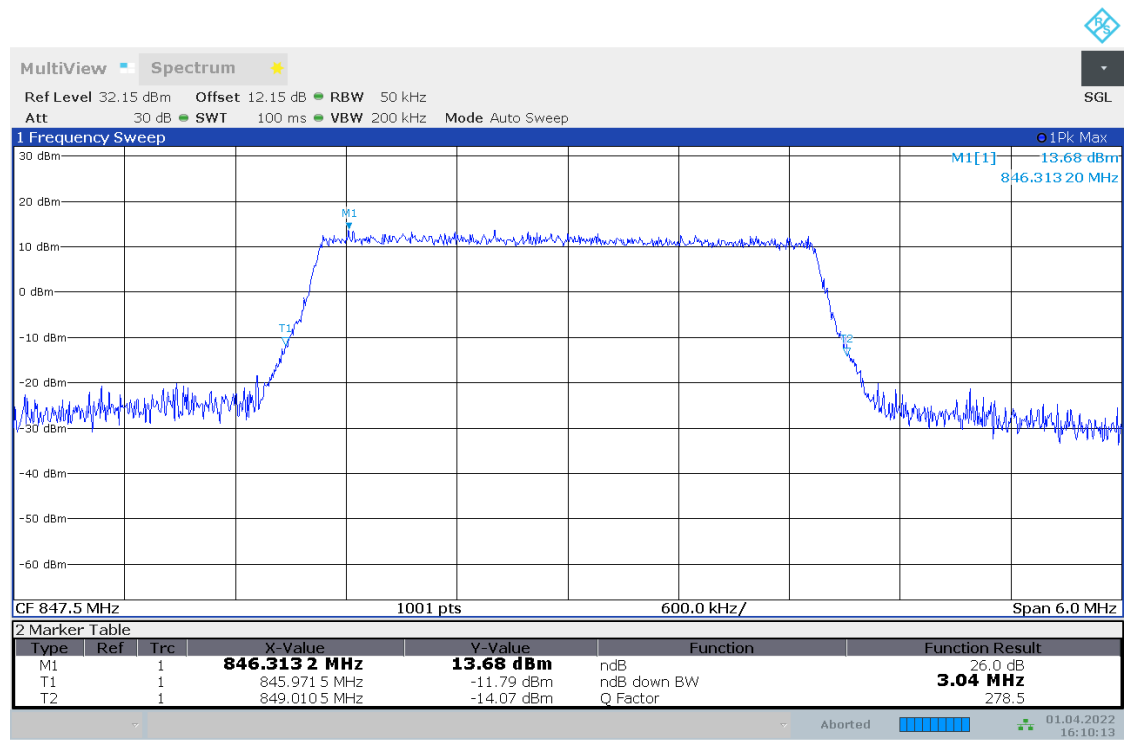


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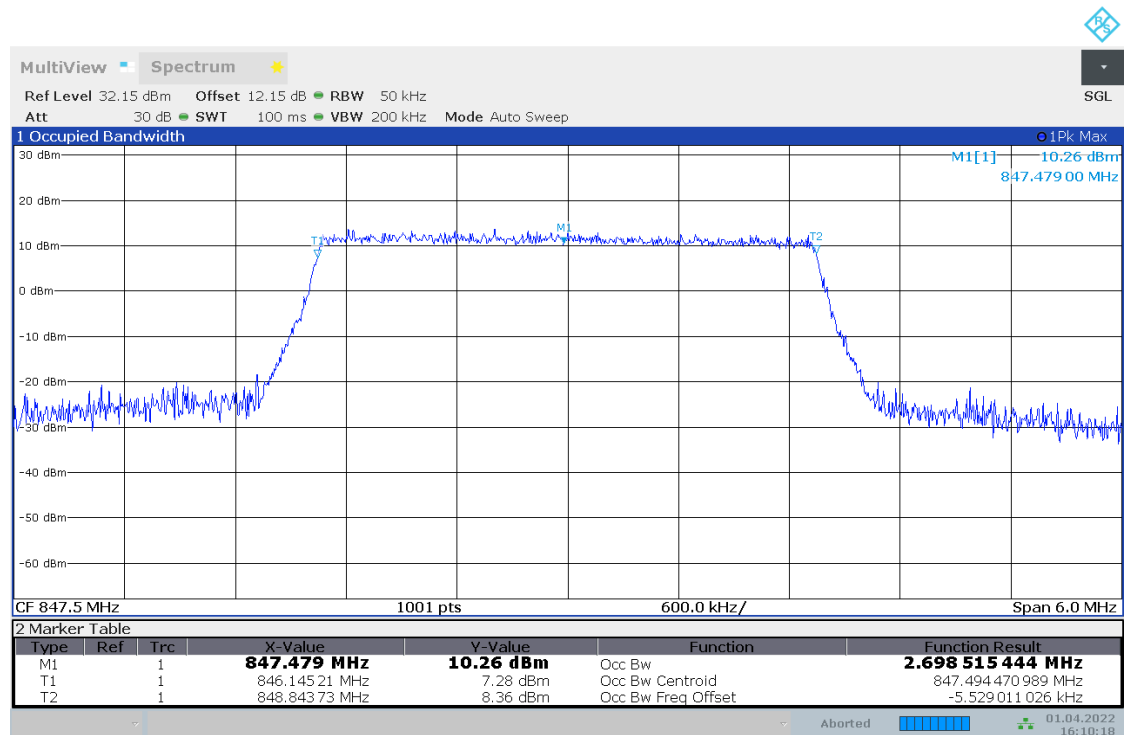


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4.2.36 TM3_3MHZ_HCH_RB15#0

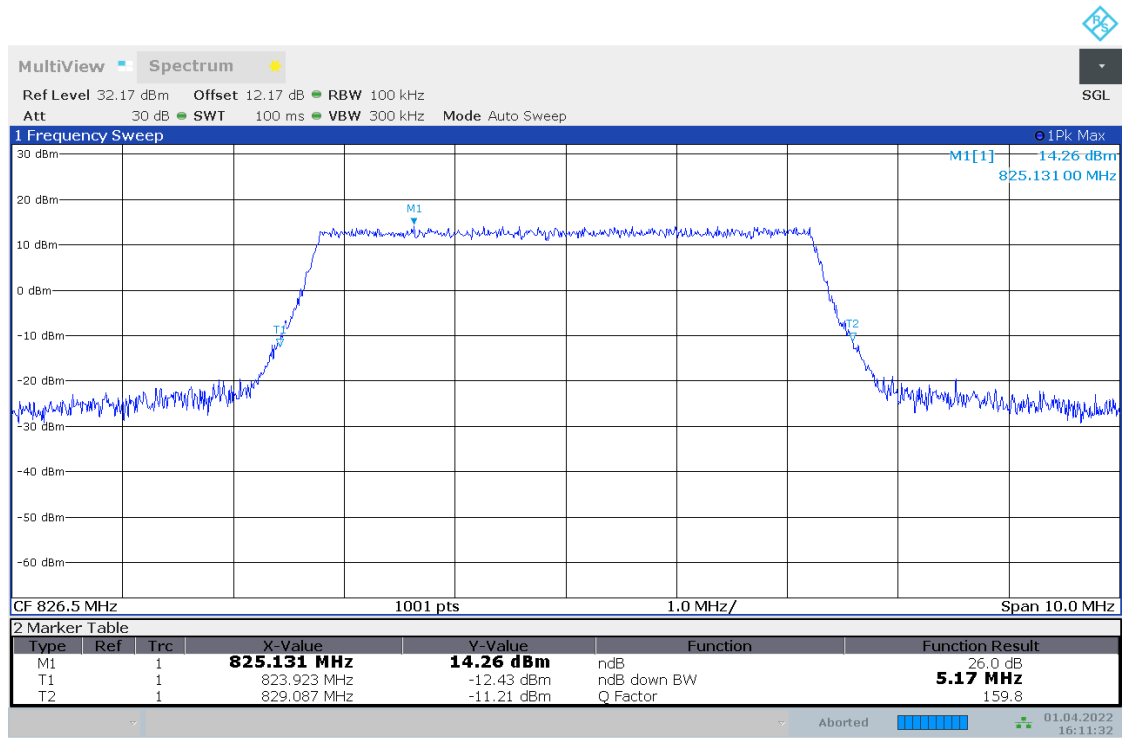


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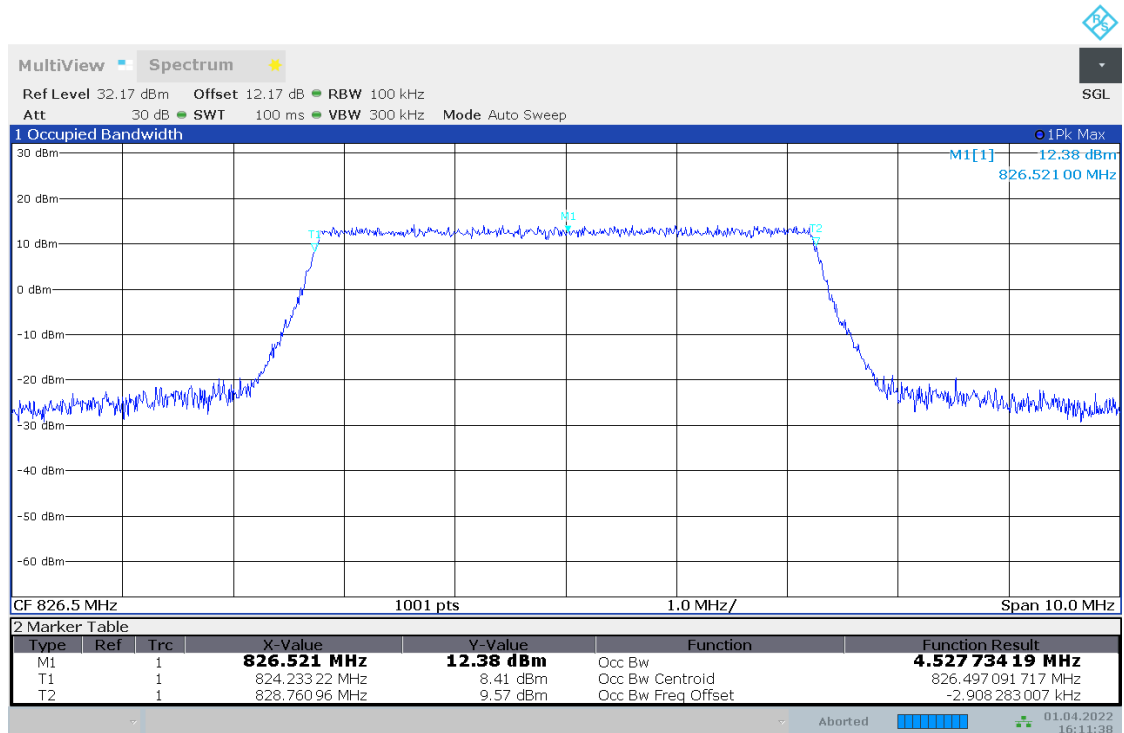


16:10:19 01.04.2022

4.2.37 TM3_5MHZ_LCH_RB25#0

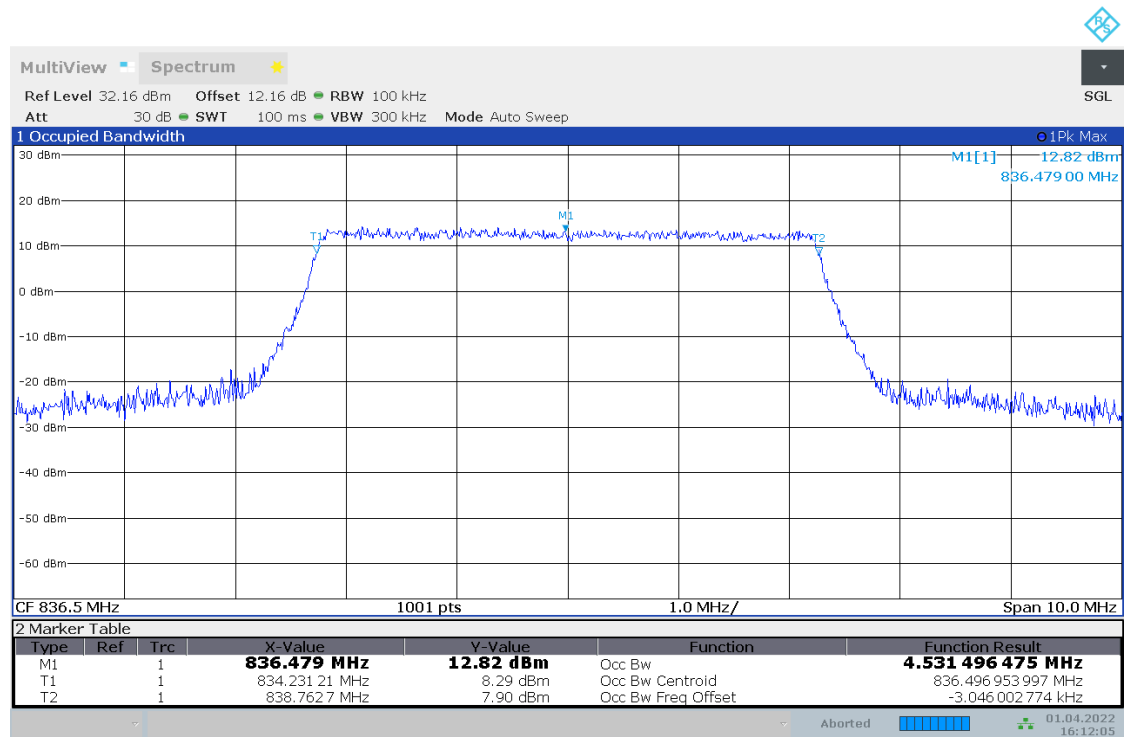
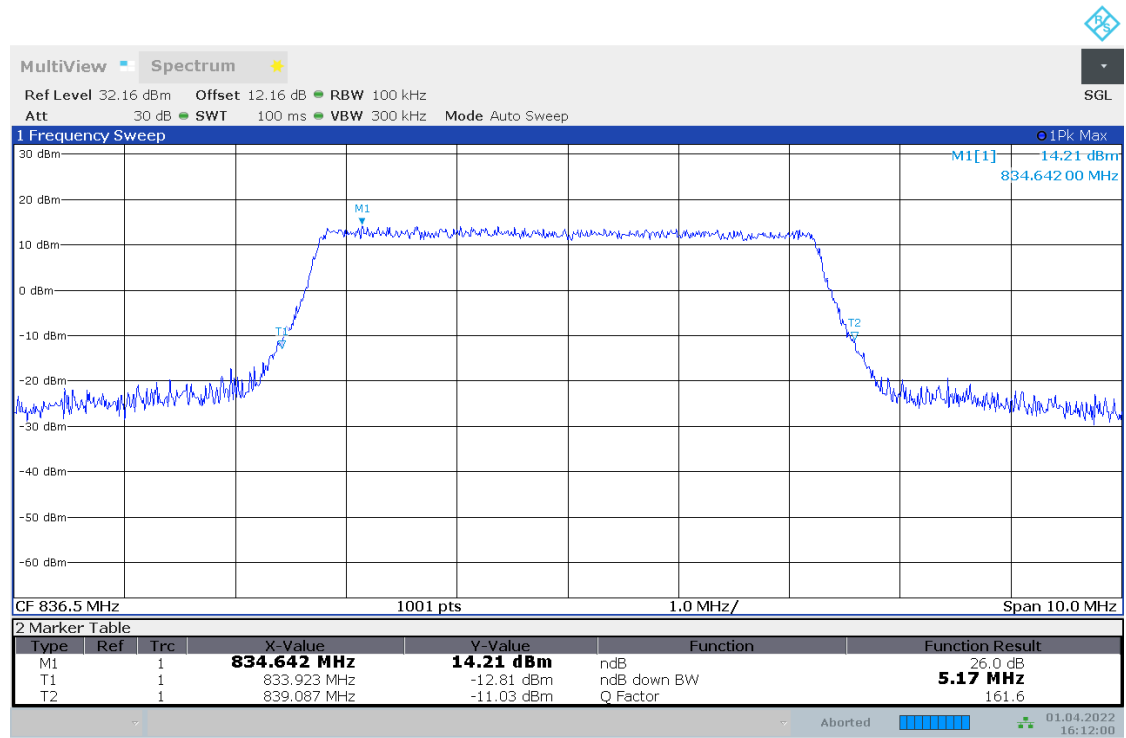


16:11:33 01.04.2022

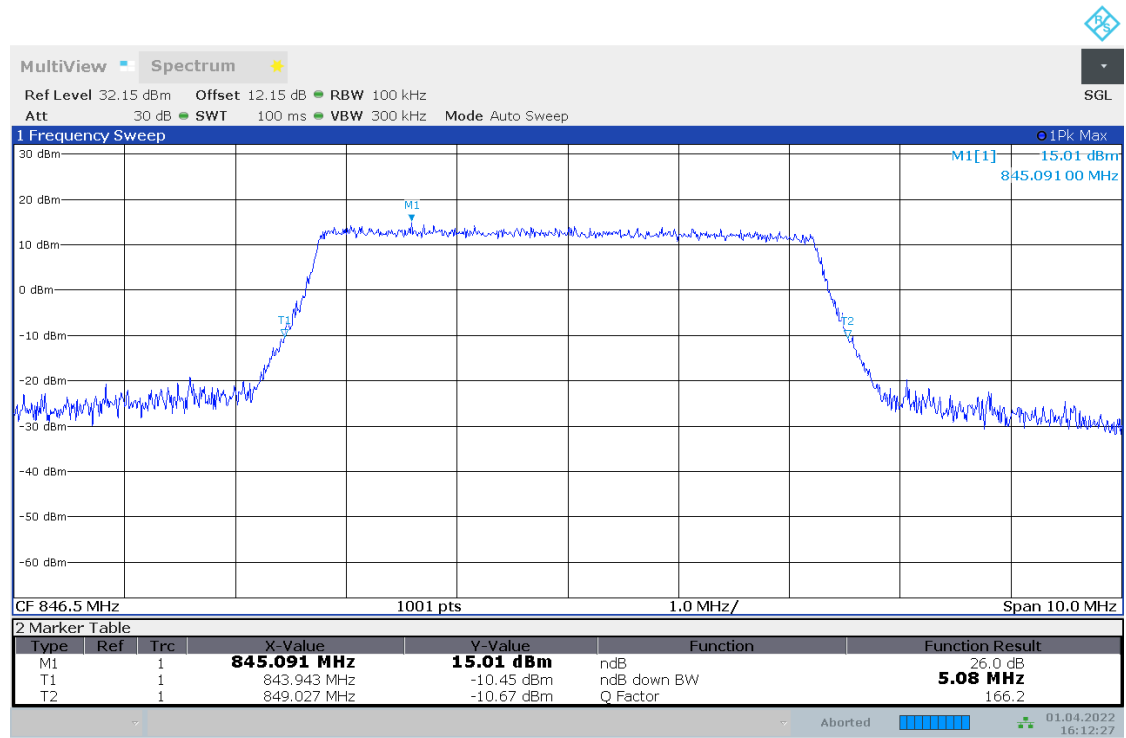


16:11:38 01.04.2022

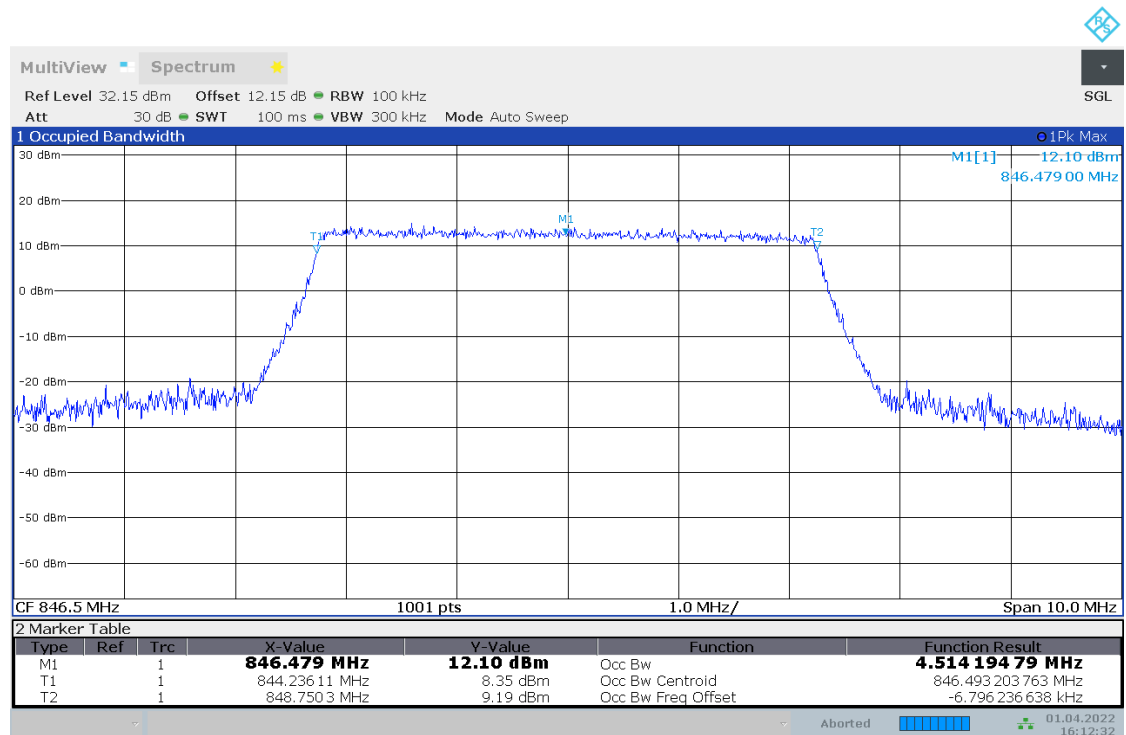
4.2.38 TM3_5MHZ_MCH_RB25#0



4.2.39 TM3_5MHZ_HCH_RB25#0

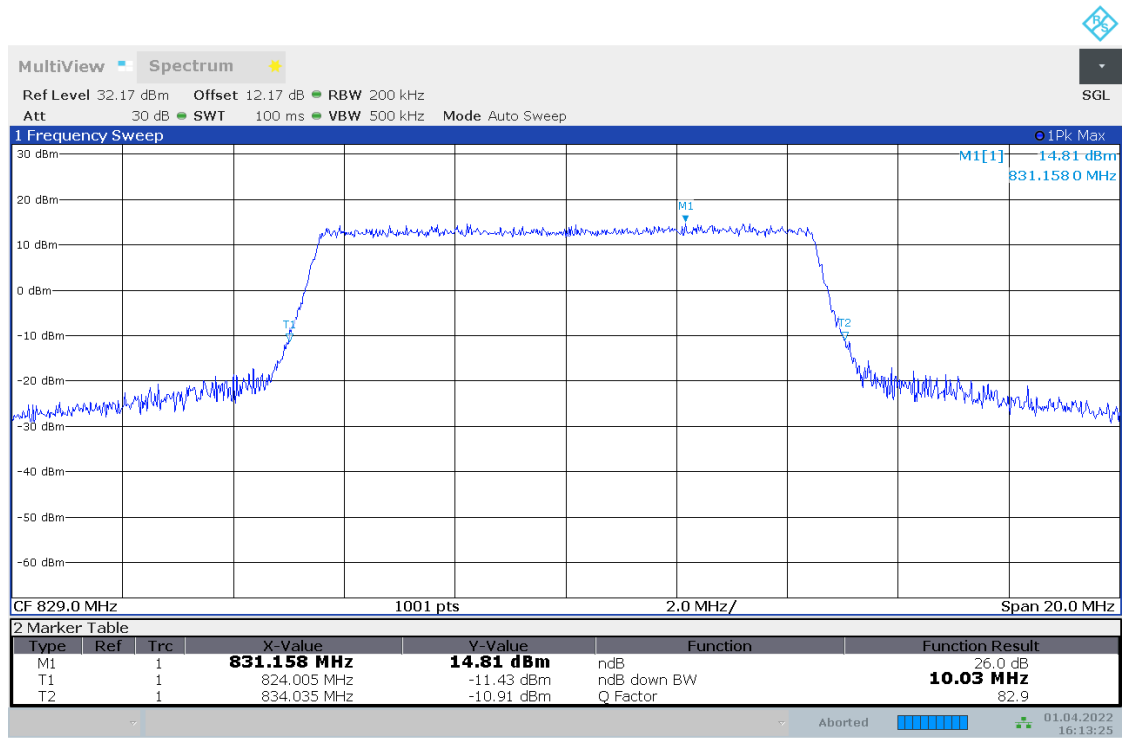


16:12:27 01.04.2022

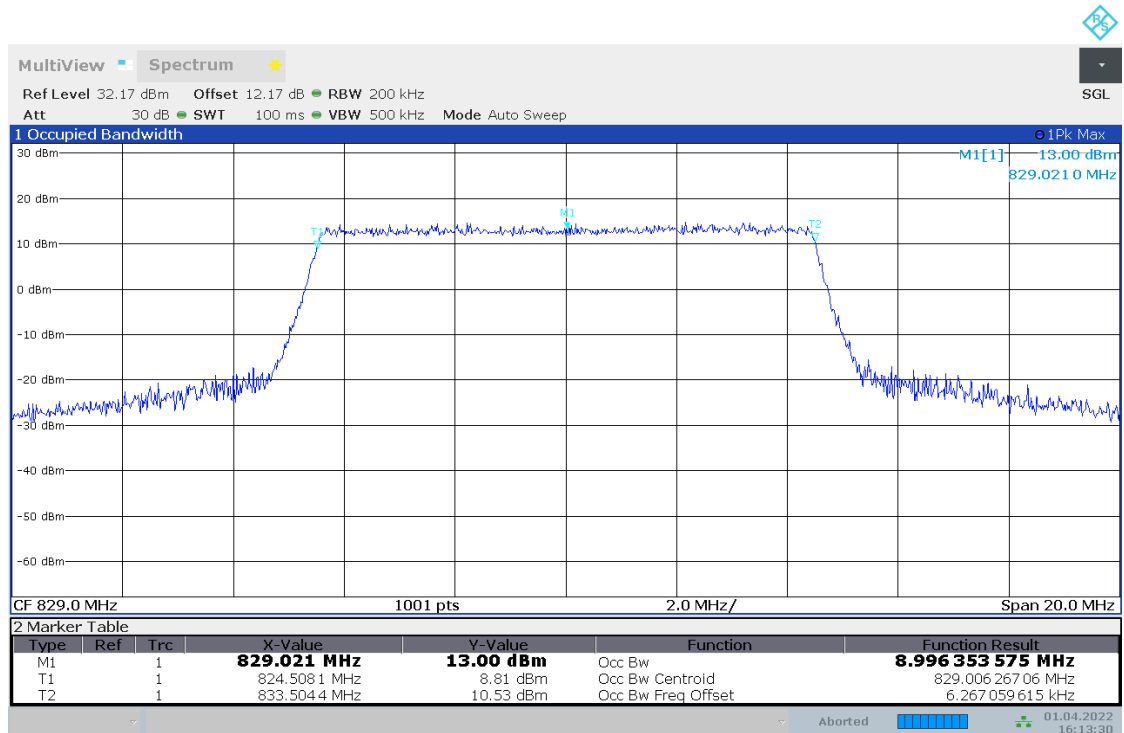


16:12:33 01.04.2022

4.2.40 TM3_10MHZ_LCH_RB50#0

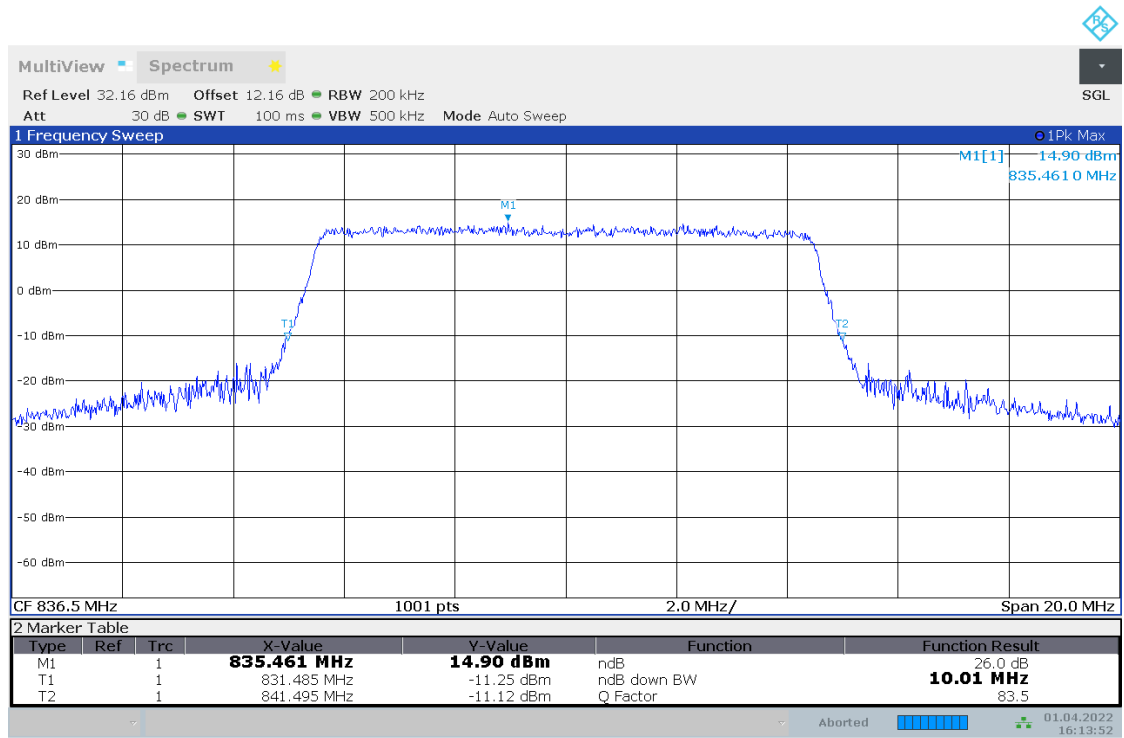


16:13:26 01.04.2022

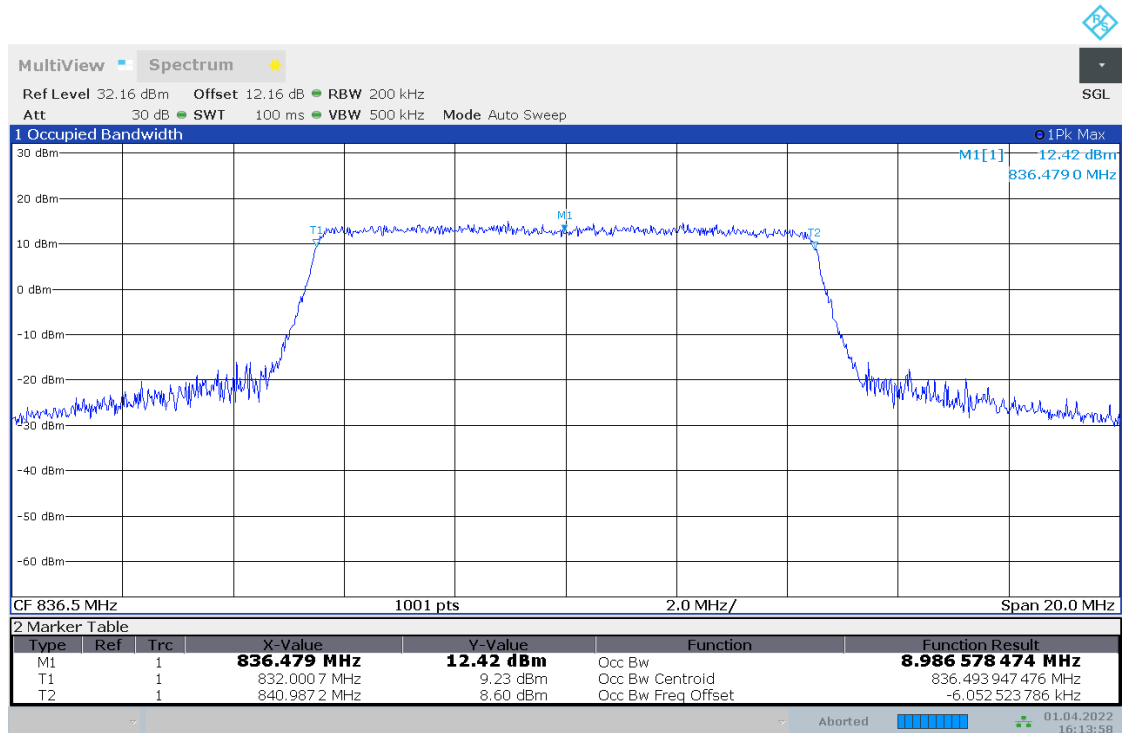


16:13:31 01.04.2022

4.2.41 TM3_10MHZ_MCH_RB50#0

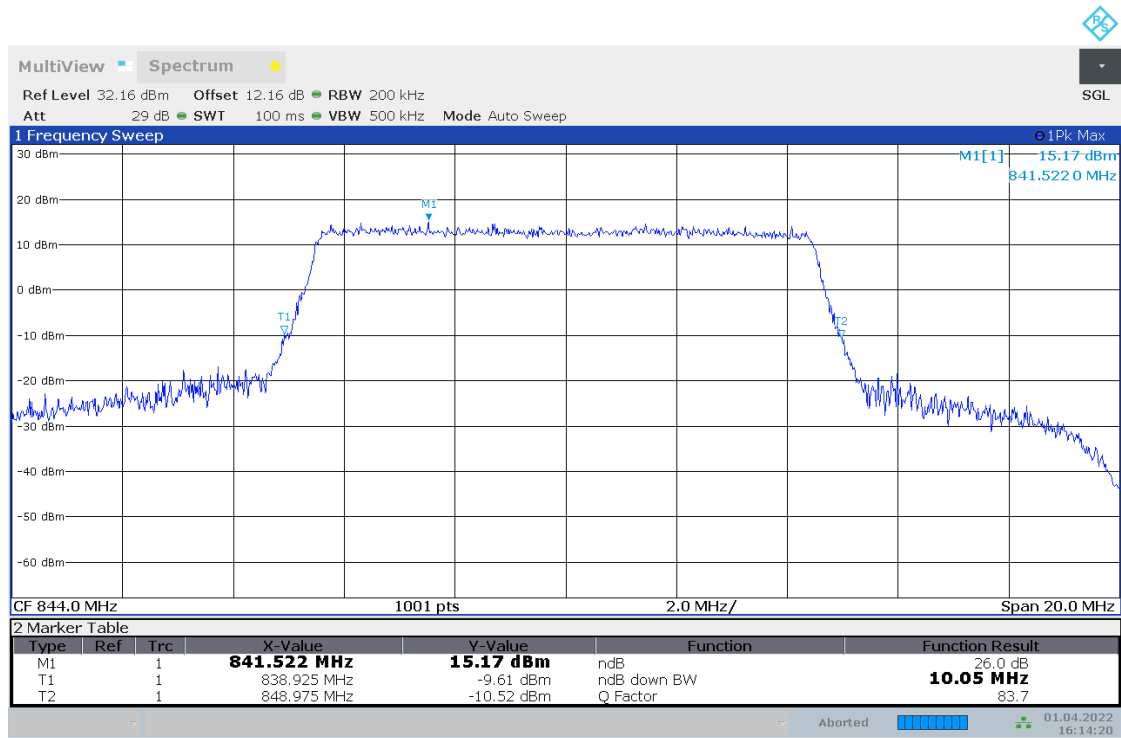


16:13:53 01.04.2022

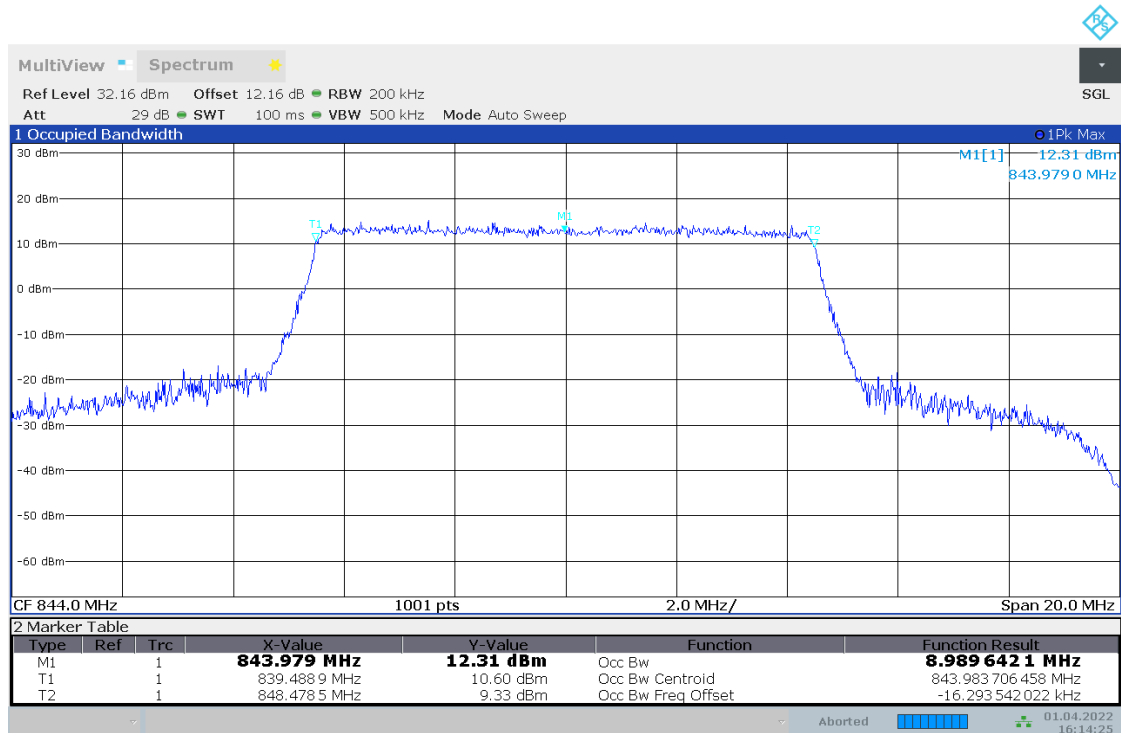


16:13:58 01.04.2022

4.2.42 TM3_10MHZ_HCH_RB50#0

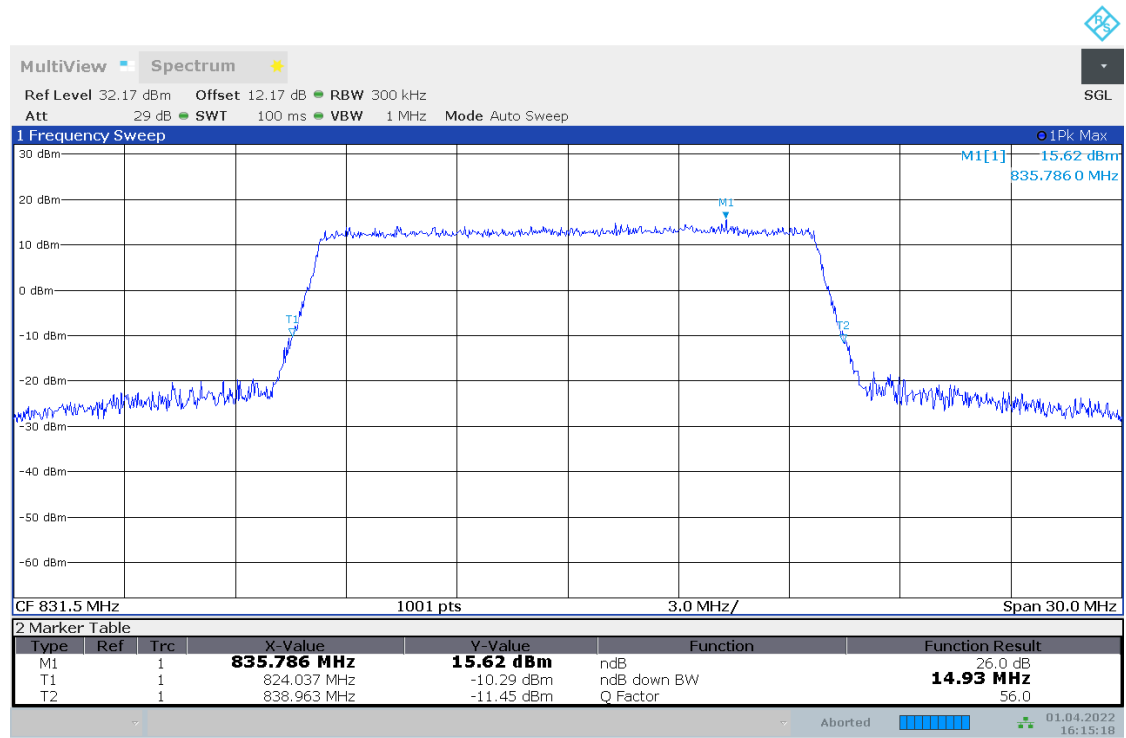


16:14:20 01.04.2022

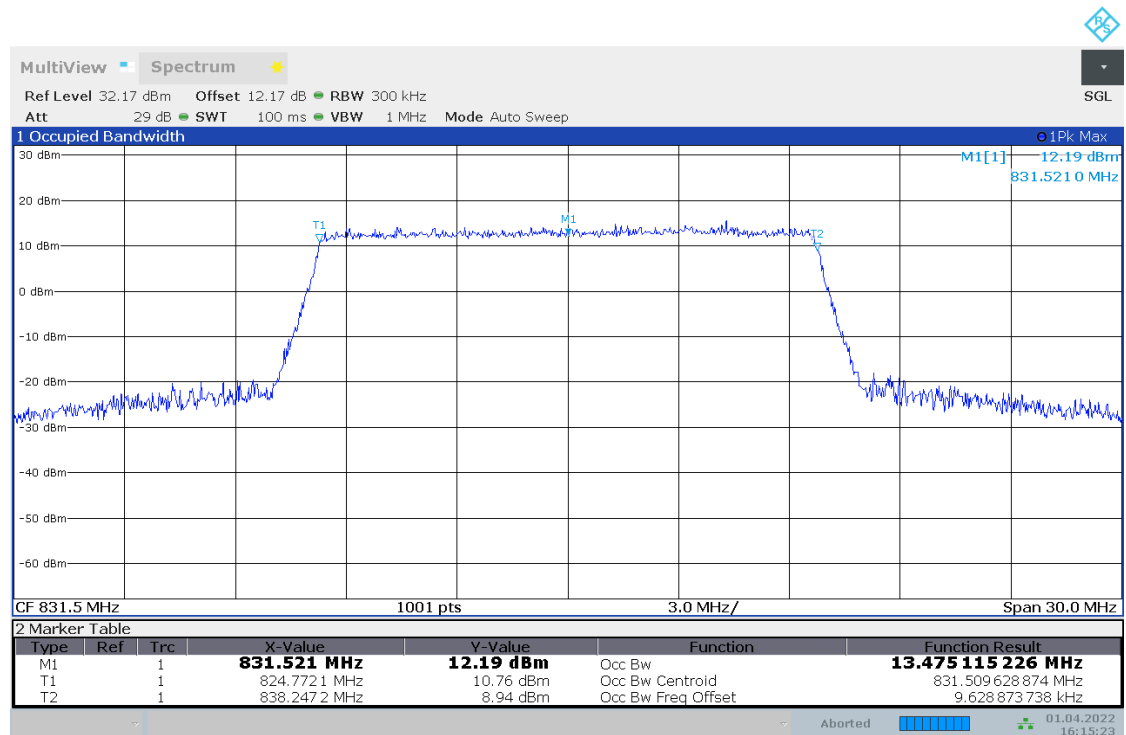


16:14:26 01.04.2022

4.2.43 TM3_15MHZ_LCH_RB75#0

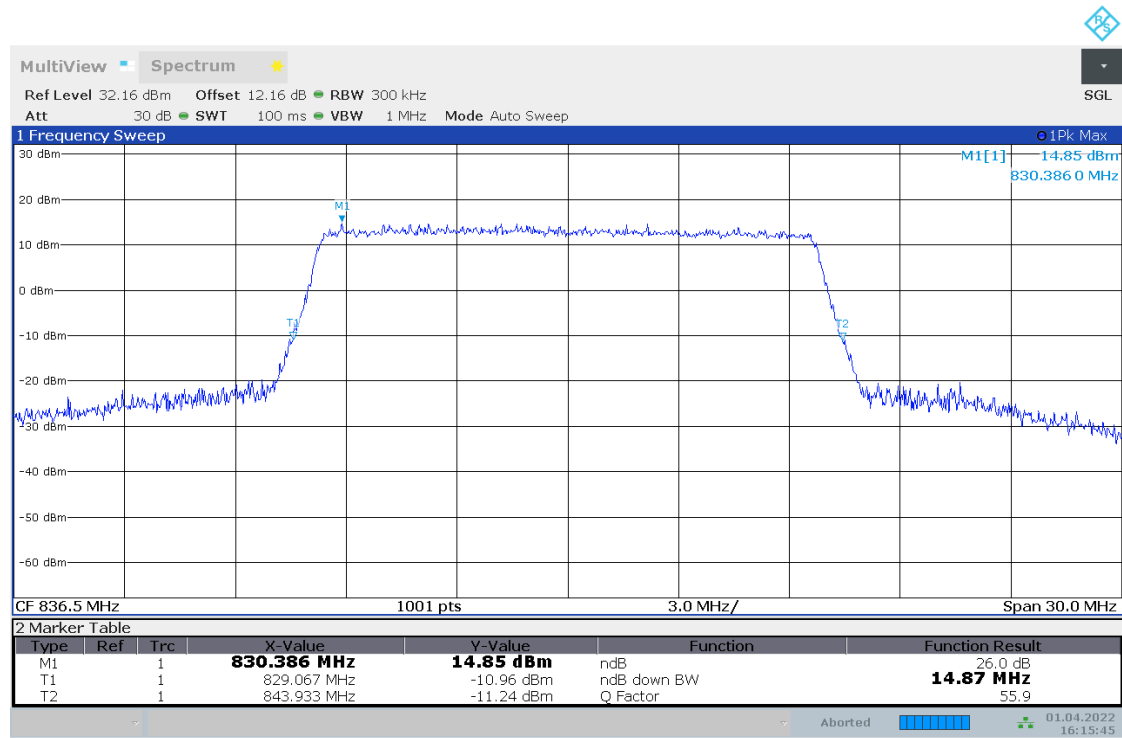


16:15:18 01.04.2022

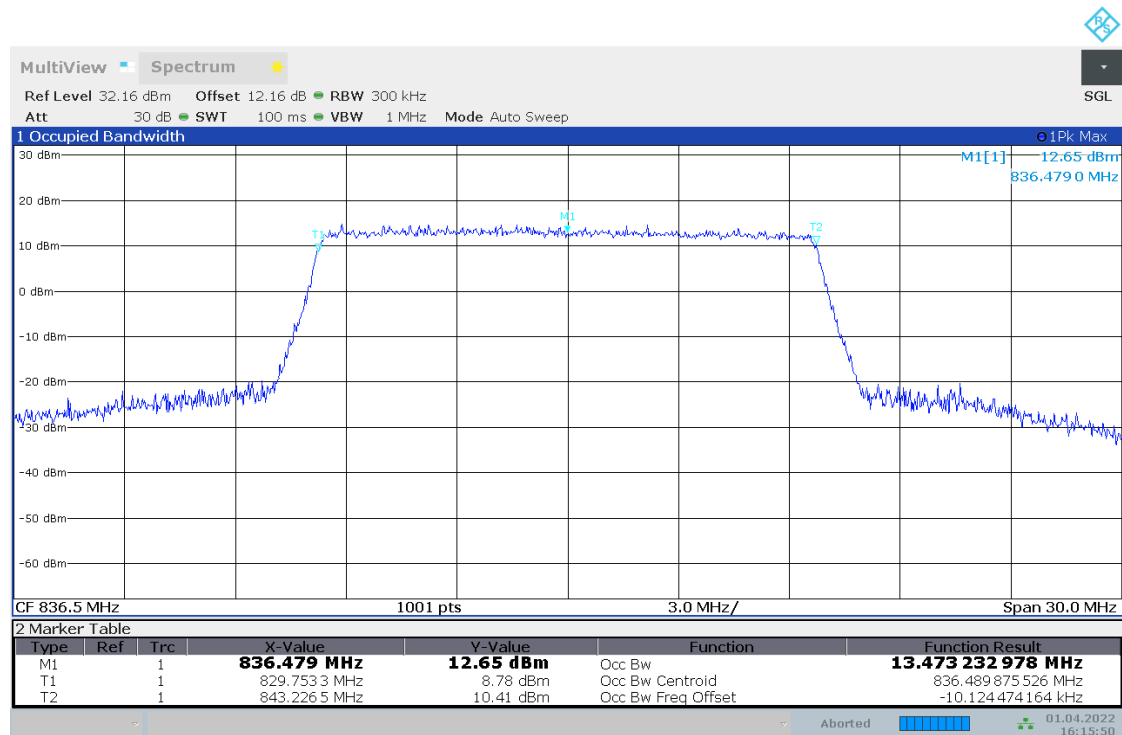


16:15:24 01.04.2022

4.2.44 TM3_15MHZ_MCH_RB75#0

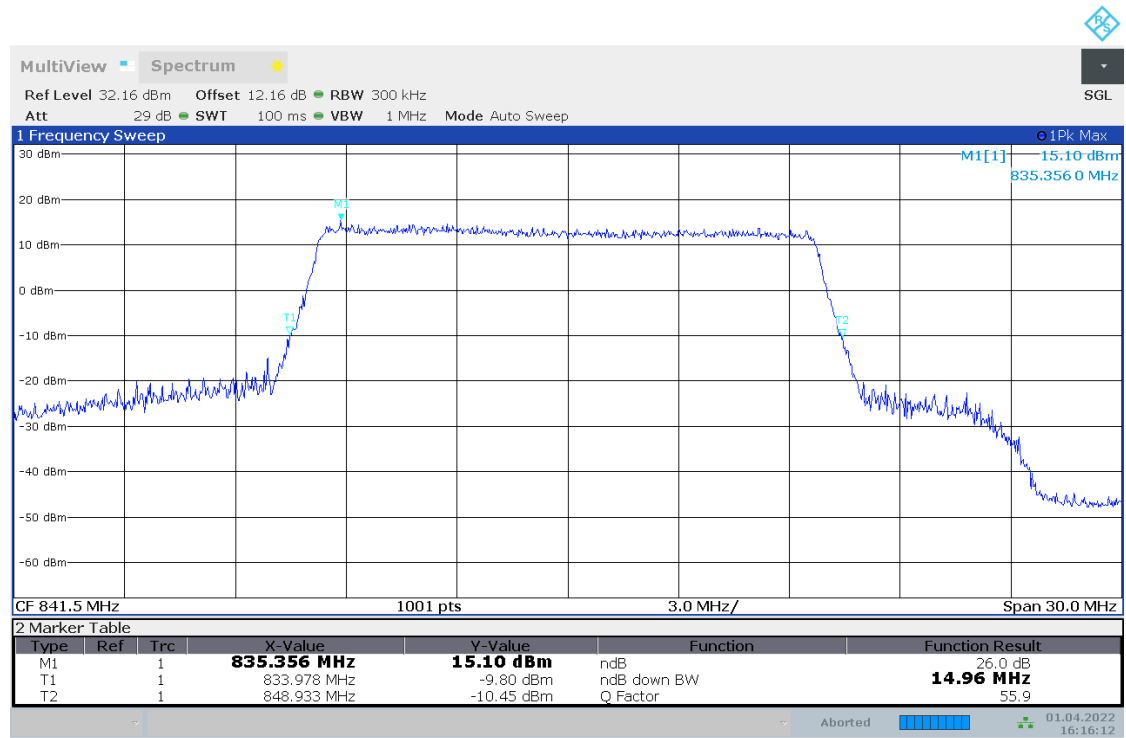


16:15:46 01.04.2022

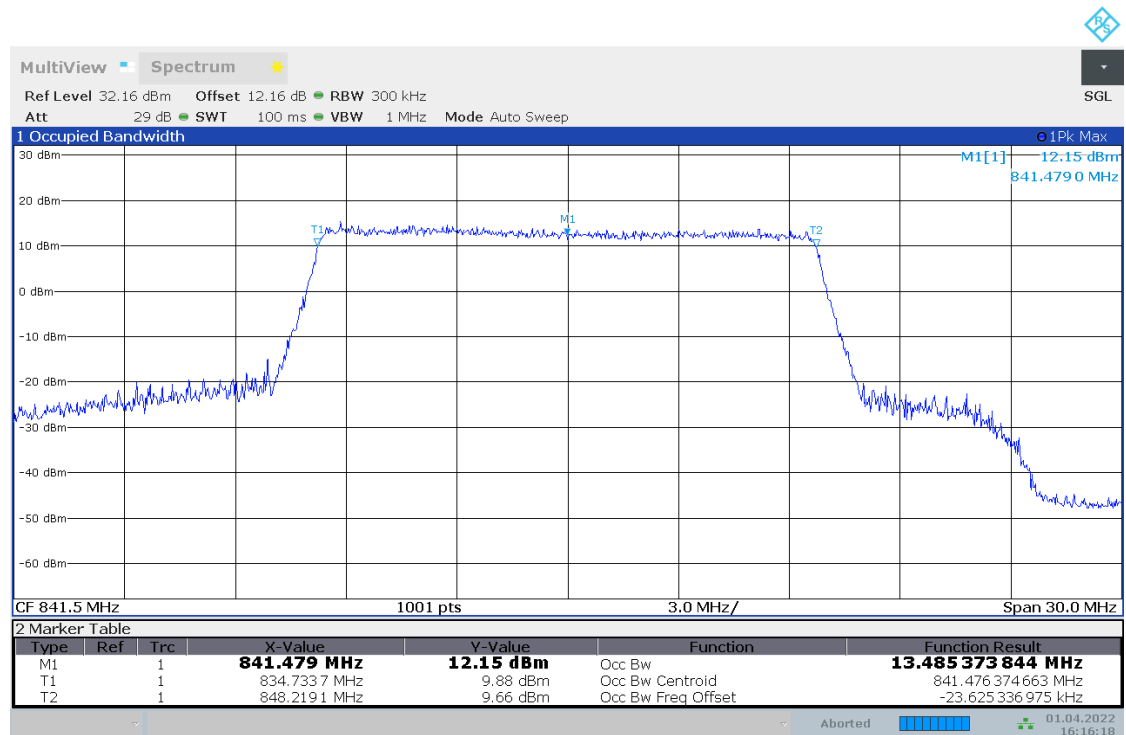


16:15:51 01.04.2022

4.2.45 TM3_15MHZ_HCH_RB75#0



16:16:13 01.04.2022



16:16:18 01.04.2022

5. APPENDIX E - BAND EDGES COMPLIANCE

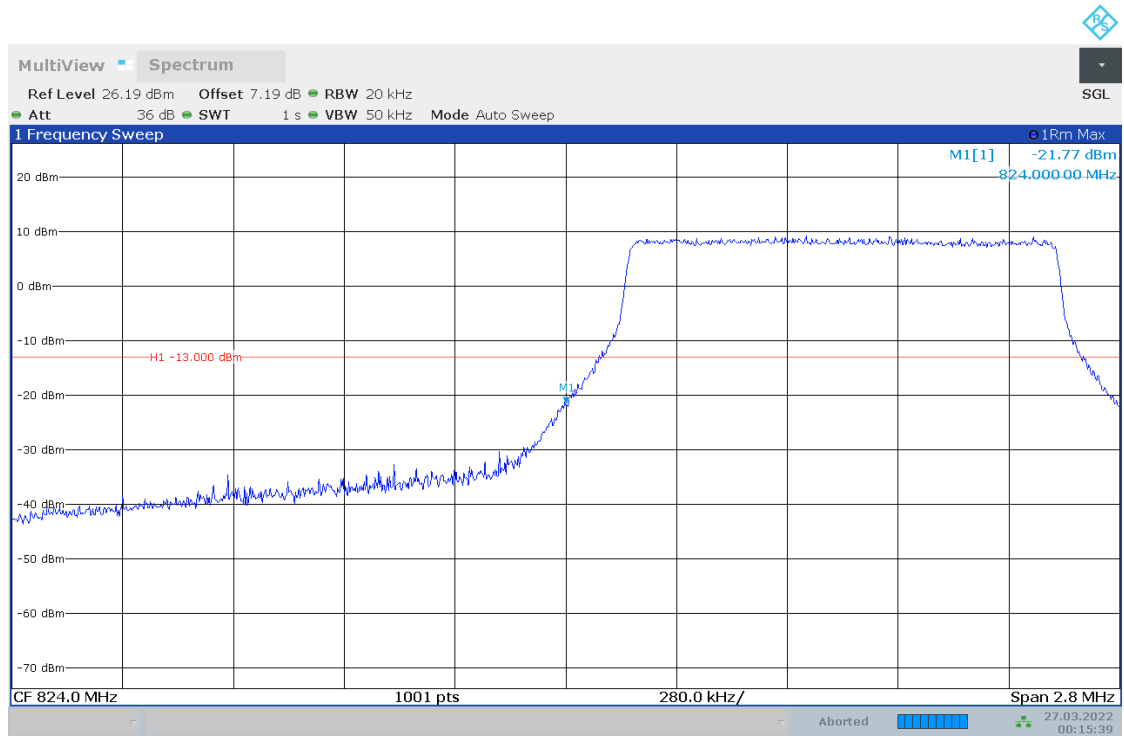
5.1 TEST RESULTS

Band Edges Compliance					
Test Mode	Test Bandwidth [MHz]	Test Channel	Test RB	Modulation	Verdict
TM1	1.4	LCH	RB6#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#5	QPSK	PASS
		HCH	RB6#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#5	QPSK	PASS
	5	LCH	RB25#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#24	QPSK	PASS
		HCH	RB25#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#24	QPSK	PASS
	15	LCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS
		HCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS
TM2	1.4	LCH	RB6#0	16QAM	PASS
			RB1#0	16QAM	PASS
			RB1#5	16QAM	PASS
		HCH	RB6#0	16QAM	PASS
			RB1#0	16QAM	PASS
			RB1#5	16QAM	PASS
	5	LCH	RB25#0	16QAM	PASS
			RB1#0	16QAM	PASS
			RB1#24	16QAM	PASS
		HCH	RB25#0	16QAM	PASS
			RB1#0	16QAM	PASS
			RB1#24	16QAM	PASS
	15	LCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS
		HCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS

Band Edges Compliance					
Test Mode	Test Bandwidth [MHz]	Test Channel	Test RB	Modulation	Verdict
TM3	1.4	LCH	RB6#0	64QAM	PASS
			RB1#0	64QAM	PASS
			RB1#5	64QAM	PASS
		HCH	RB6#0	64QAM	PASS
			RB1#0	64QAM	PASS
			RB1#5	64QAM	PASS
	5	LCH	RB25#0	64QAM	PASS
			RB1#0	64QAM	PASS
			RB1#24	64QAM	PASS
		HCH	RB25#0	64QAM	PASS
			RB1#0	64QAM	PASS
			RB1#24	64QAM	PASS
	15	LCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS
		HCH	RB75#0	QPSK	PASS
			RB1#0	QPSK	PASS
			RB1#74	QPSK	PASS

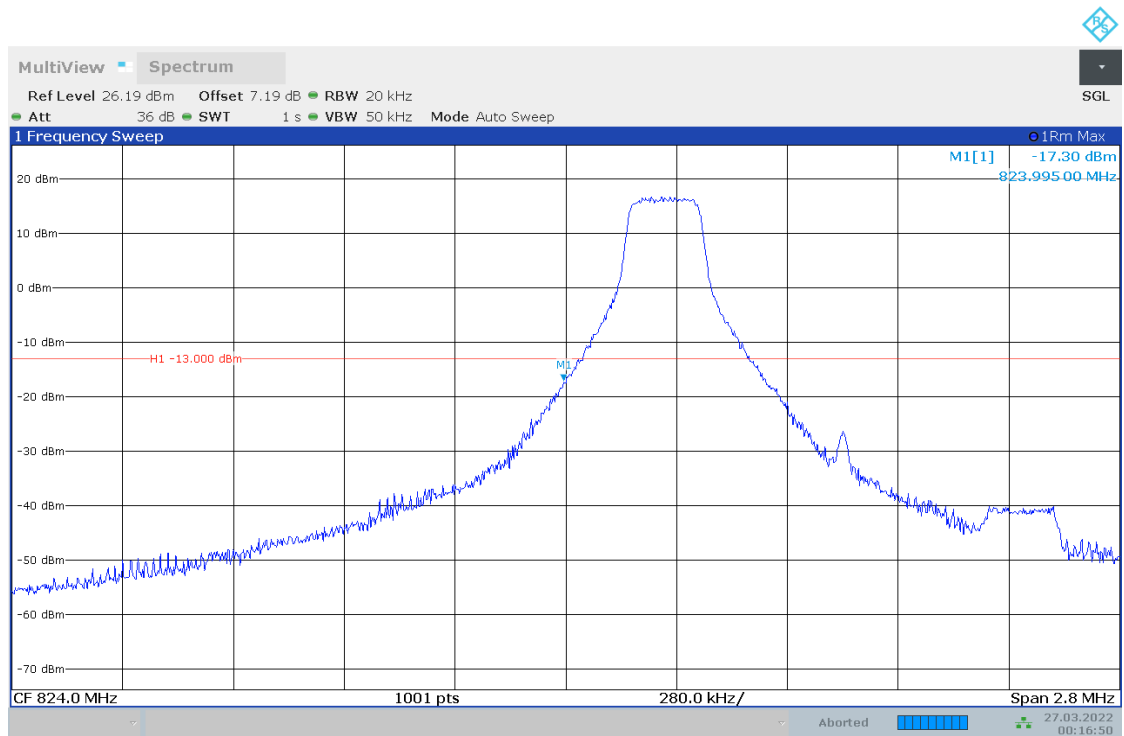
5.2 TEST PLOTS

5.2.1 TM1_1.4MHZ_LCH_RB6#0



00:15:39 27.03.2022

5.2.2 TM1_1.4MHZ_LCH_RB1#0

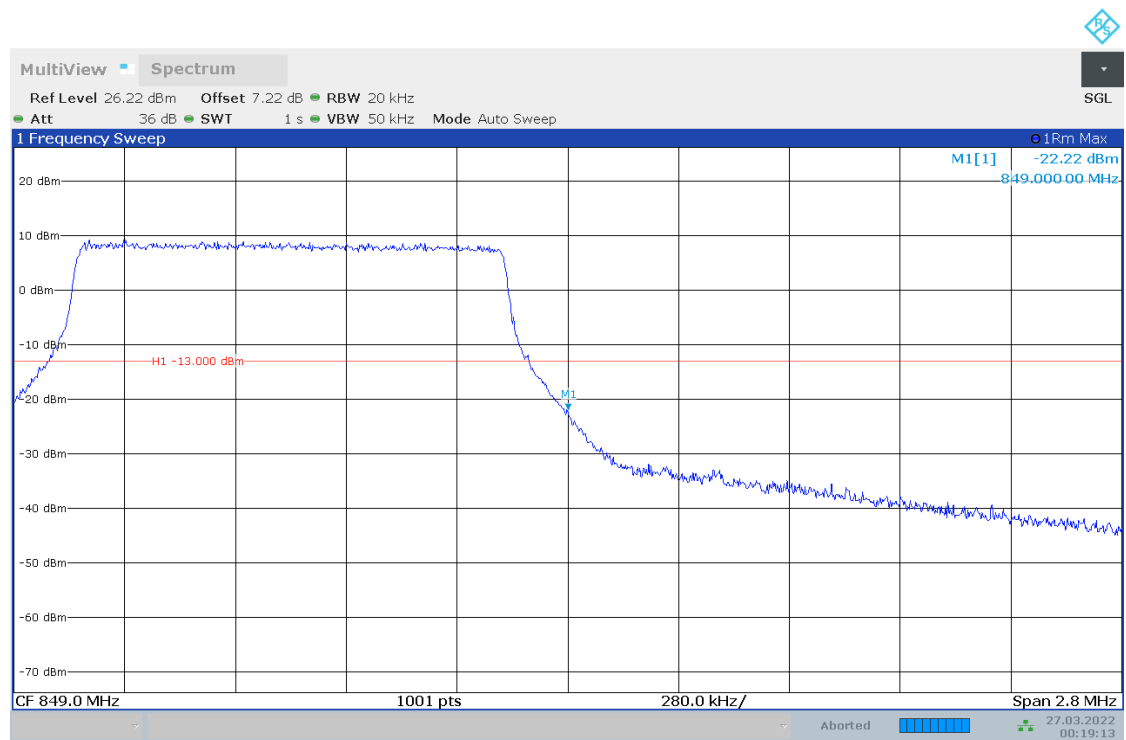


00:16:50 27.03.2022

5.2.3 TM1_1.4MHZ_LCH_RB1#5



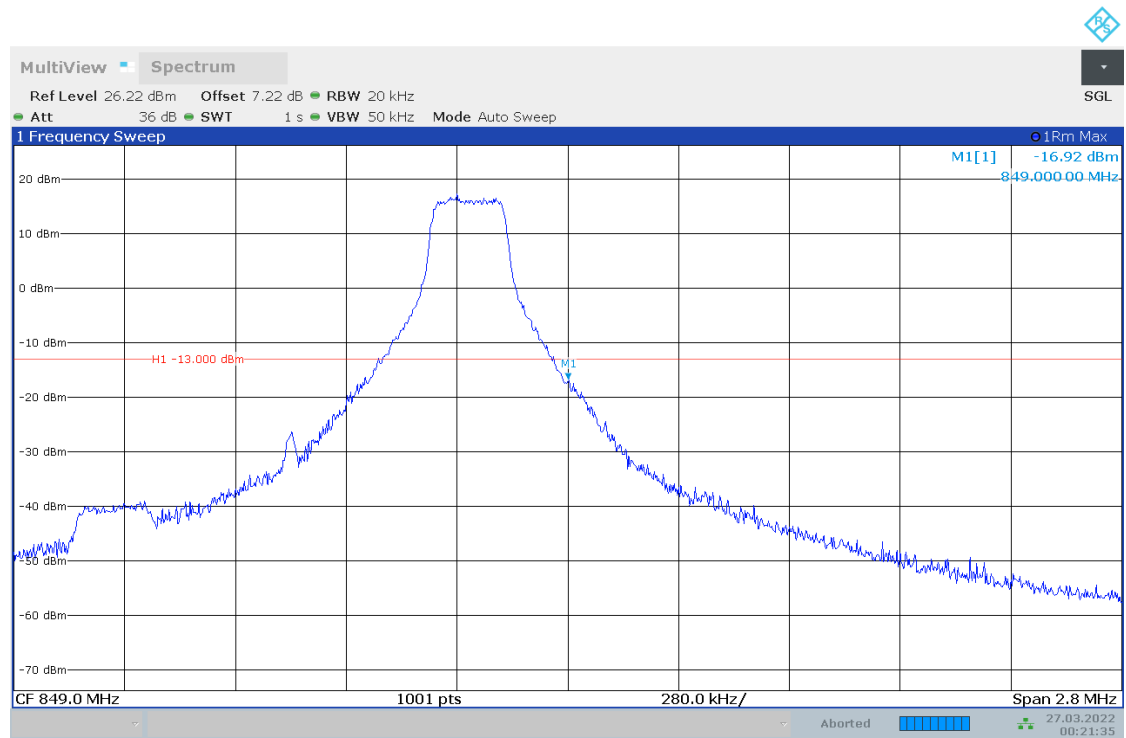
5.2.4 TM1_1.4MHZ_HCH_RB6#0



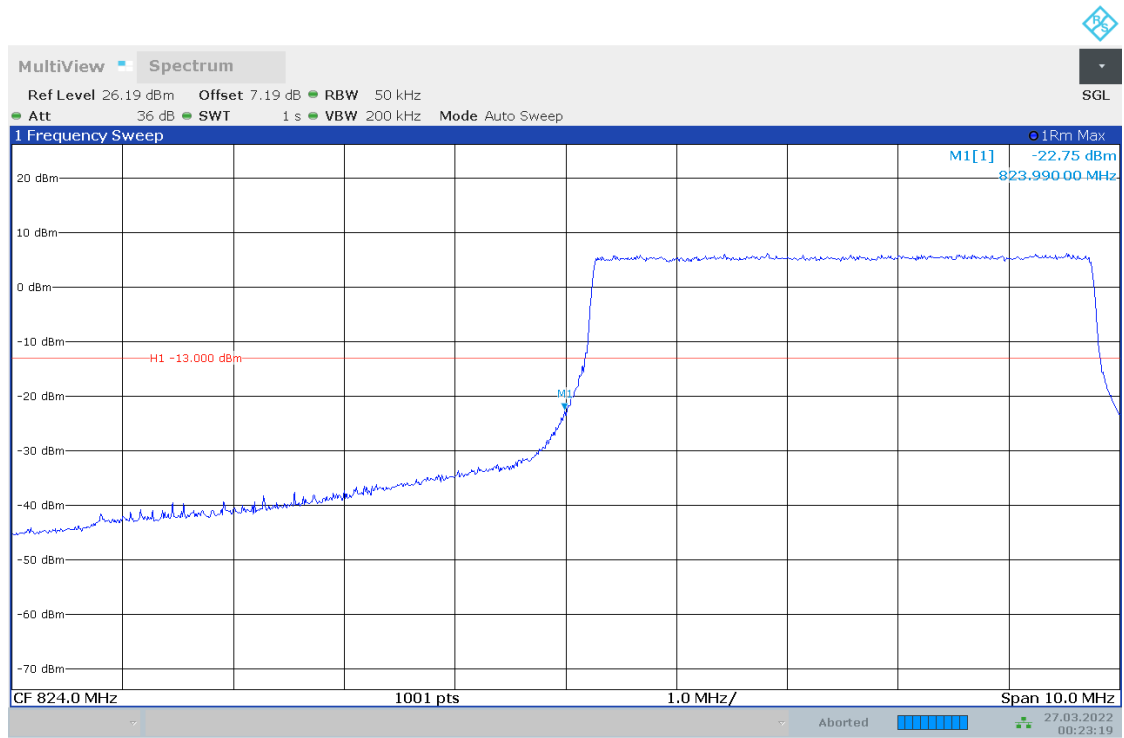
5.2.5 TM1_1.4MHZ_HCH_RB1#0



5.2.6 TM1_1.4MHZ_HCH_RB1#5

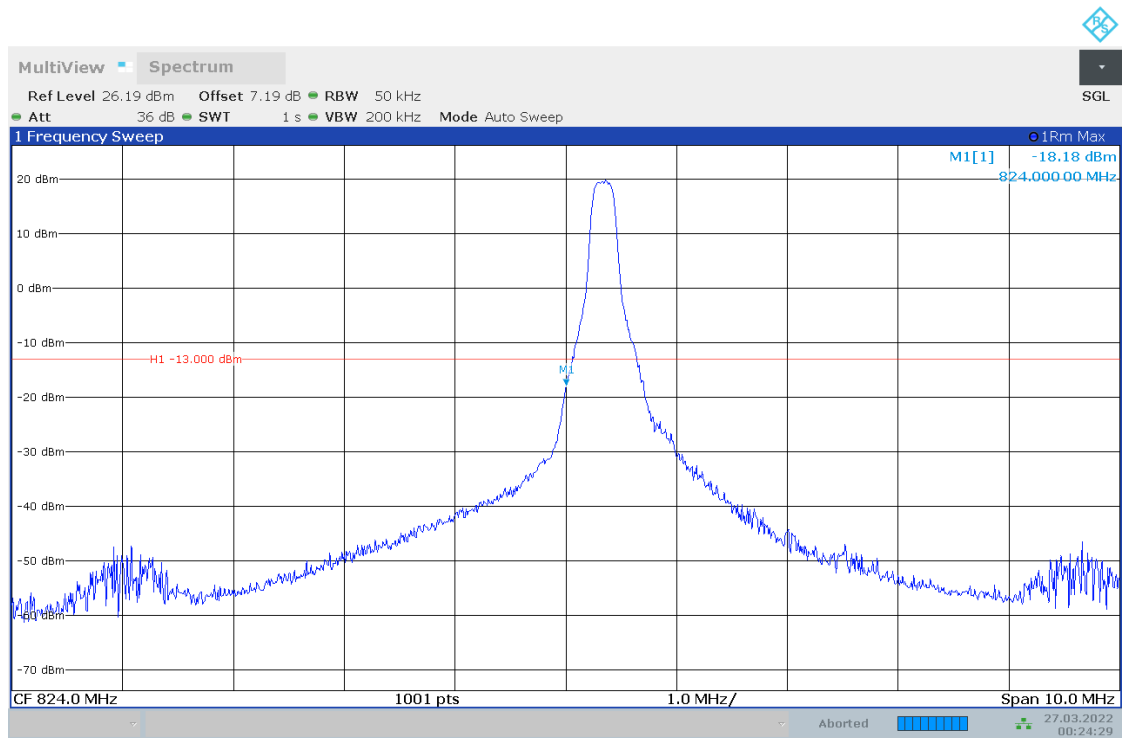


5.2.7 TM1_5MHZ_LCH_RB25#0



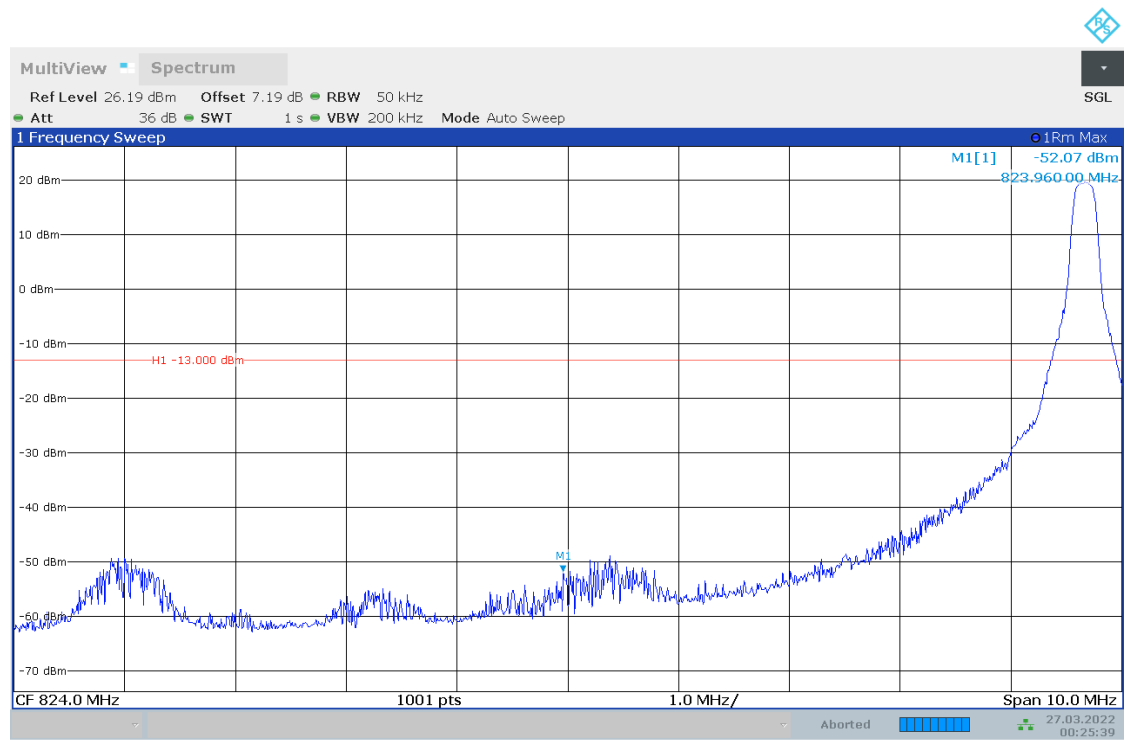
00:23:19 27.03.2022

5.2.8 TM1_5MHZ_LCH_RB1#0



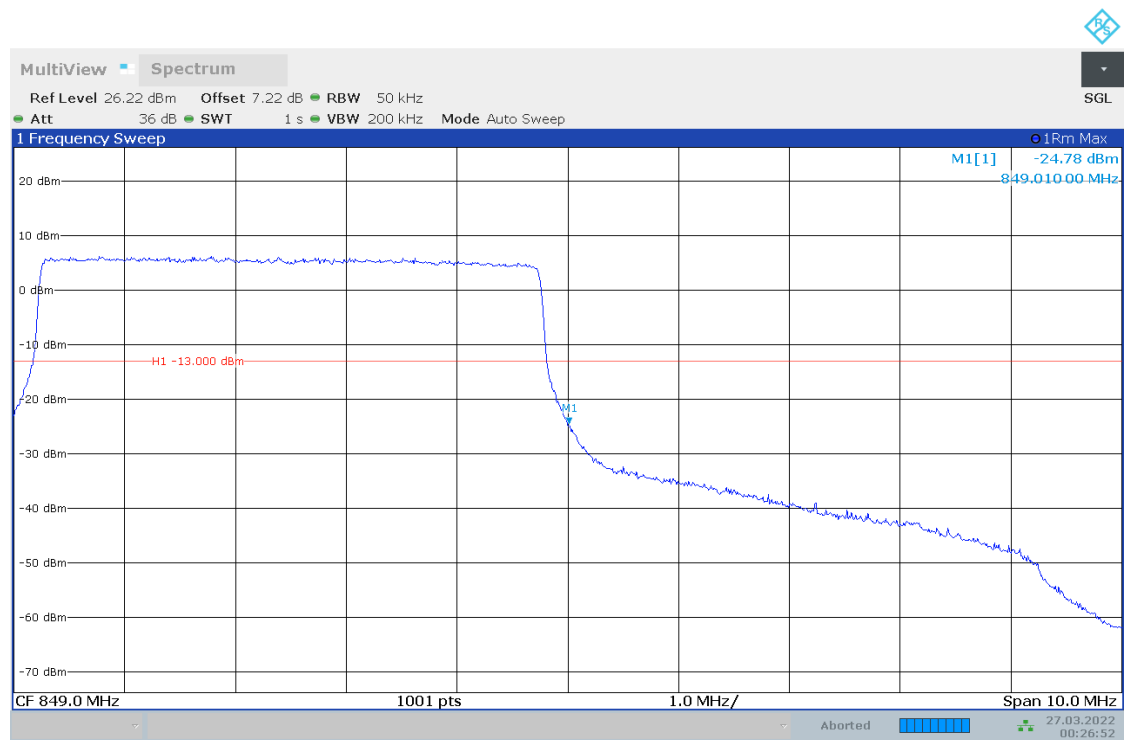
00:24:30 27.03.2022

5.2.9 TM1_5MHZ_LCH_RB1#24



00:25:40 27.03.2022

5.2.10 TM1_5MHZ_HCH_RB25#0

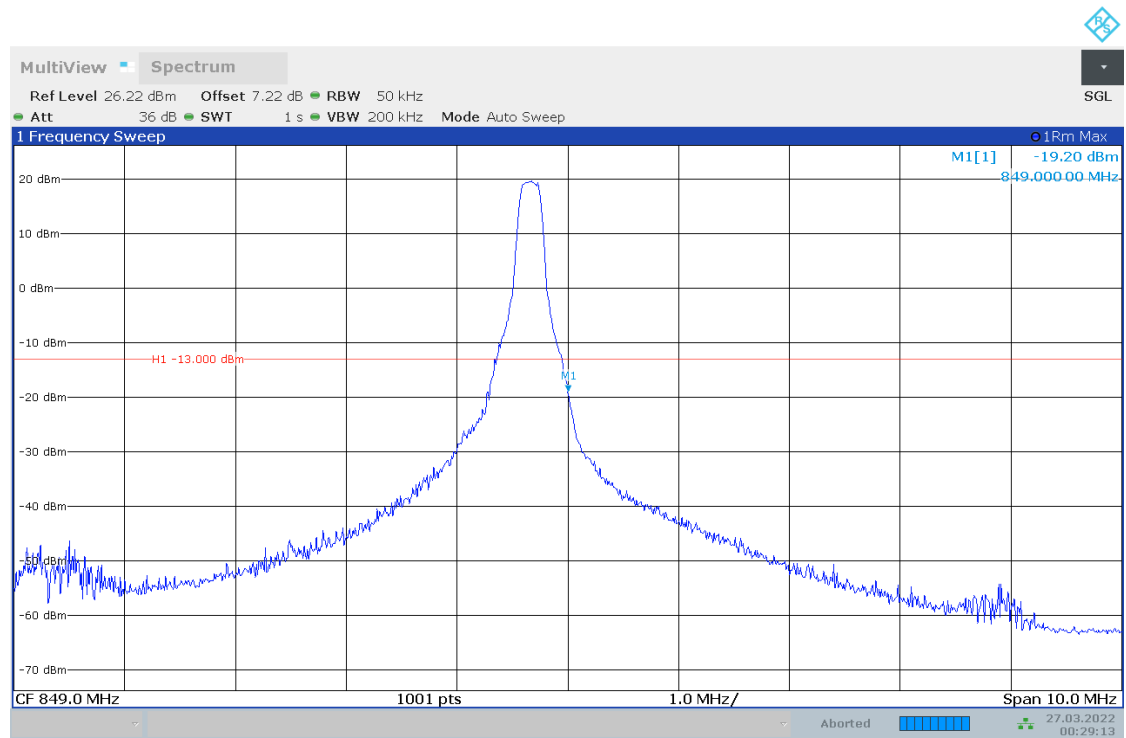


00:26:53 27.03.2022

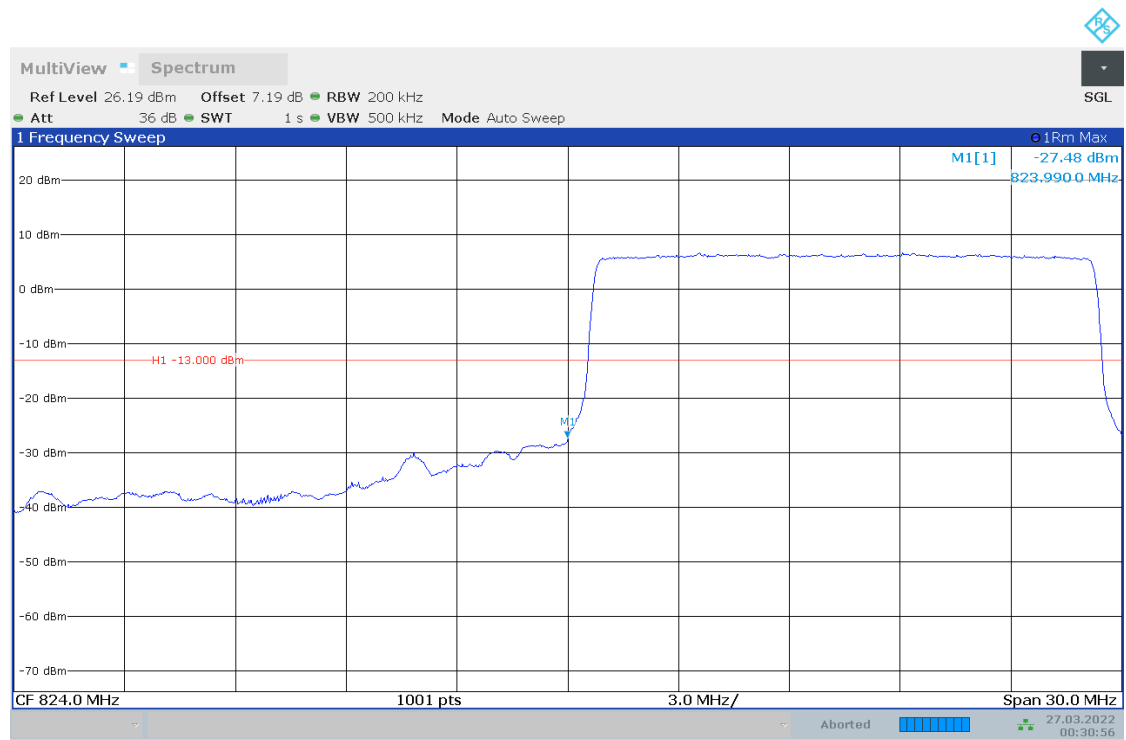
5.2.11 TM1_5MHZ_HCH_RB1#0



5.2.12 TM1_5MHZ_HCH_RB1#24

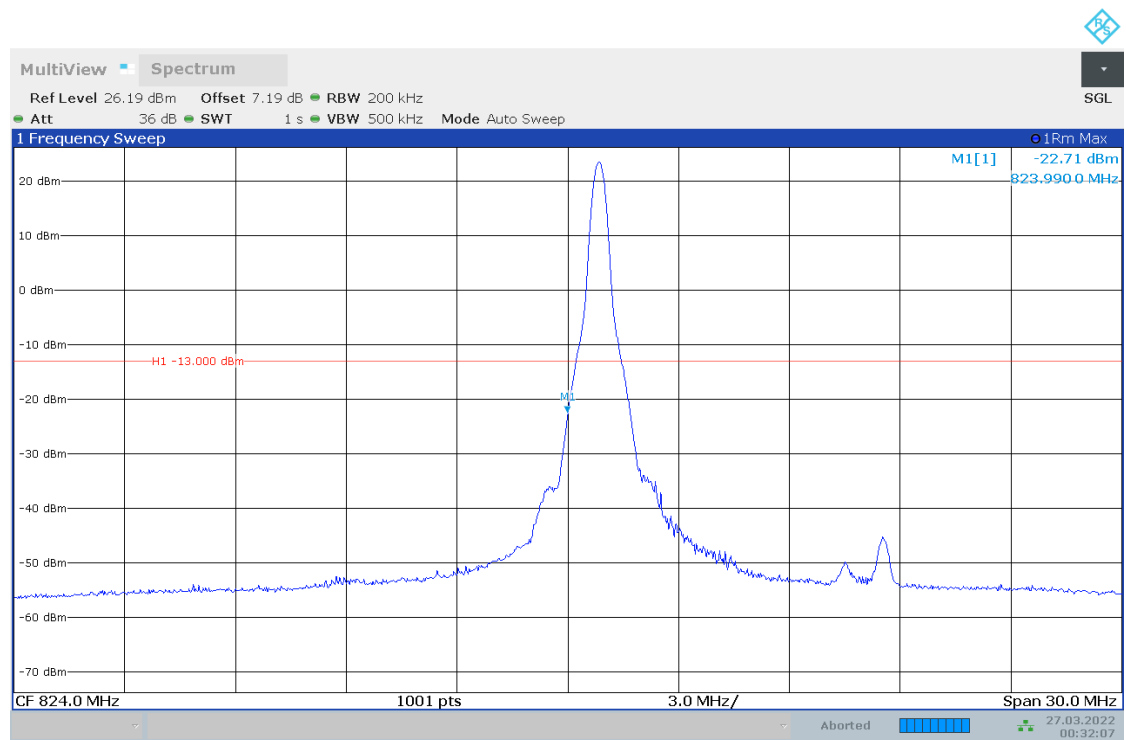


5.2.13 TM1_15MHZ_LCH_RB75#0



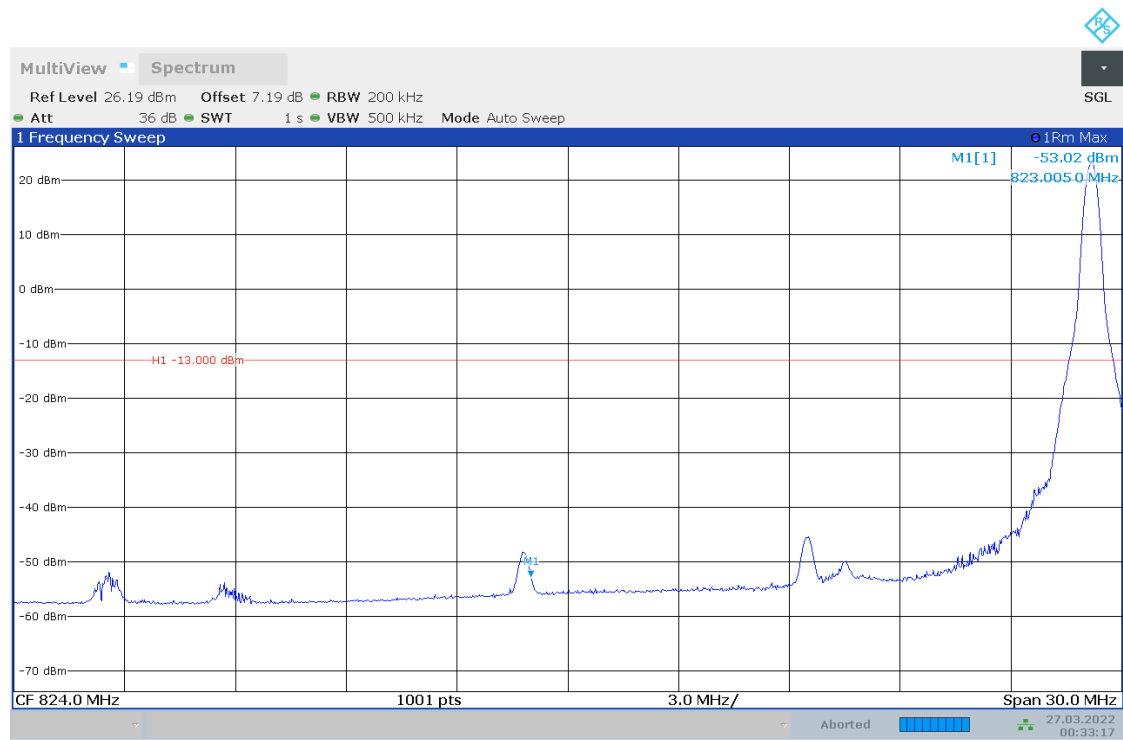
00:30:57 27.03.2022

5.2.14 TM1_15MHZ_LCH_RB1#0



00:32:08 27.03.2022

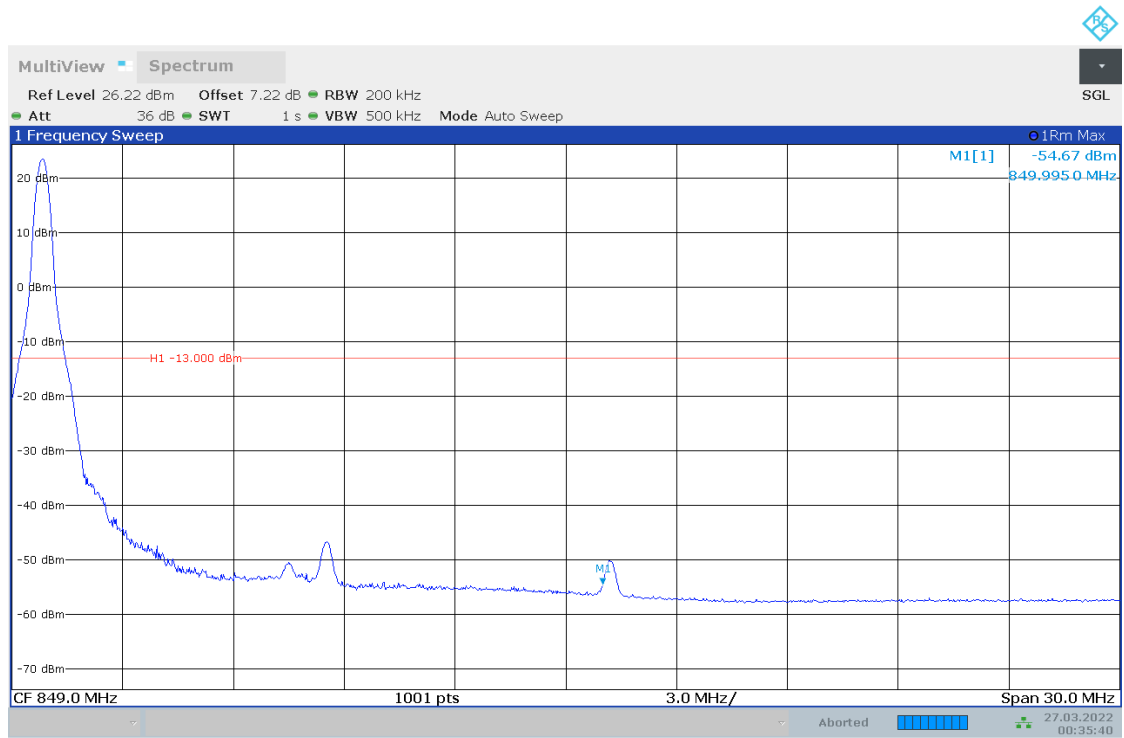
5.2.15 TM1_15MHZ_LCH_RB1#74



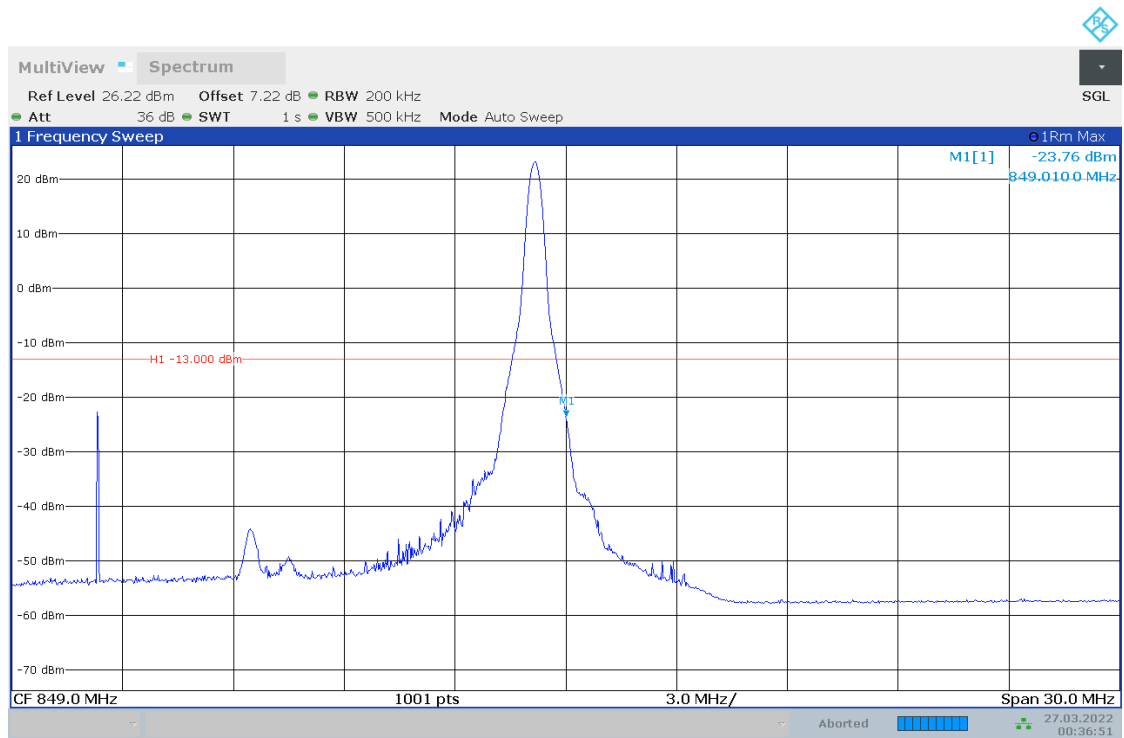
5.2.16 TM1_15MHZ_HCH_RB75#0



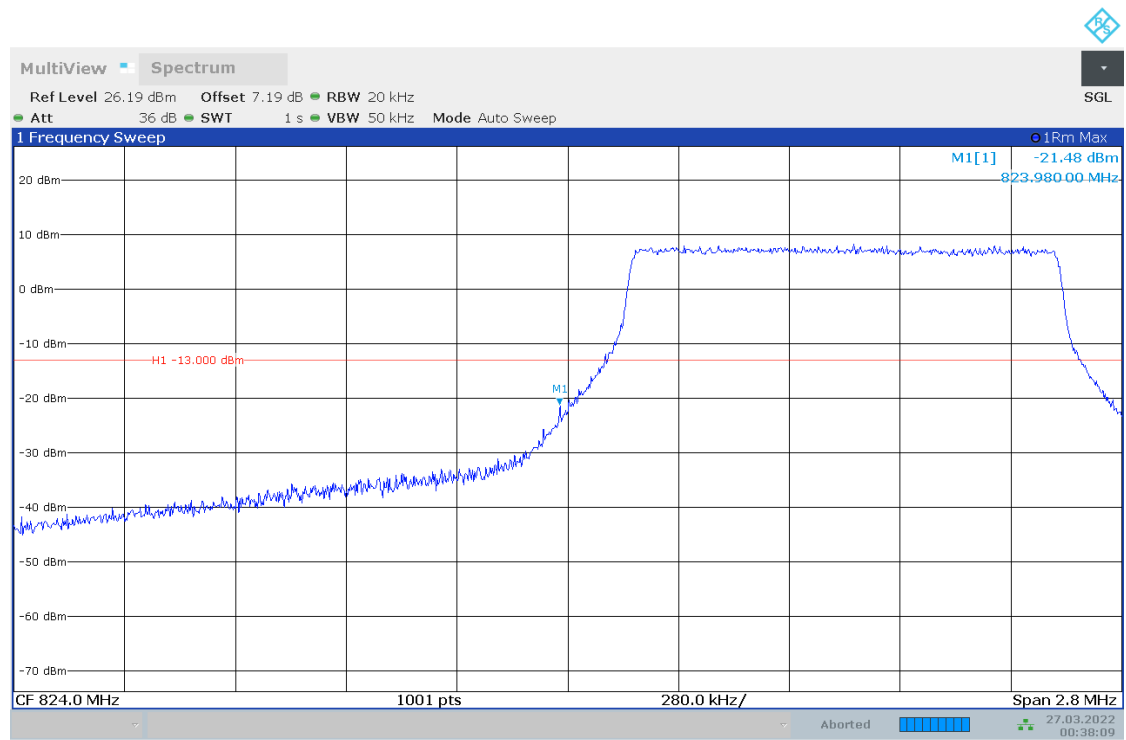
5.2.17 TM1_15MHZ_HCH_RB1#0



5.2.18 TM1_15MHZ_HCH_RB1#74

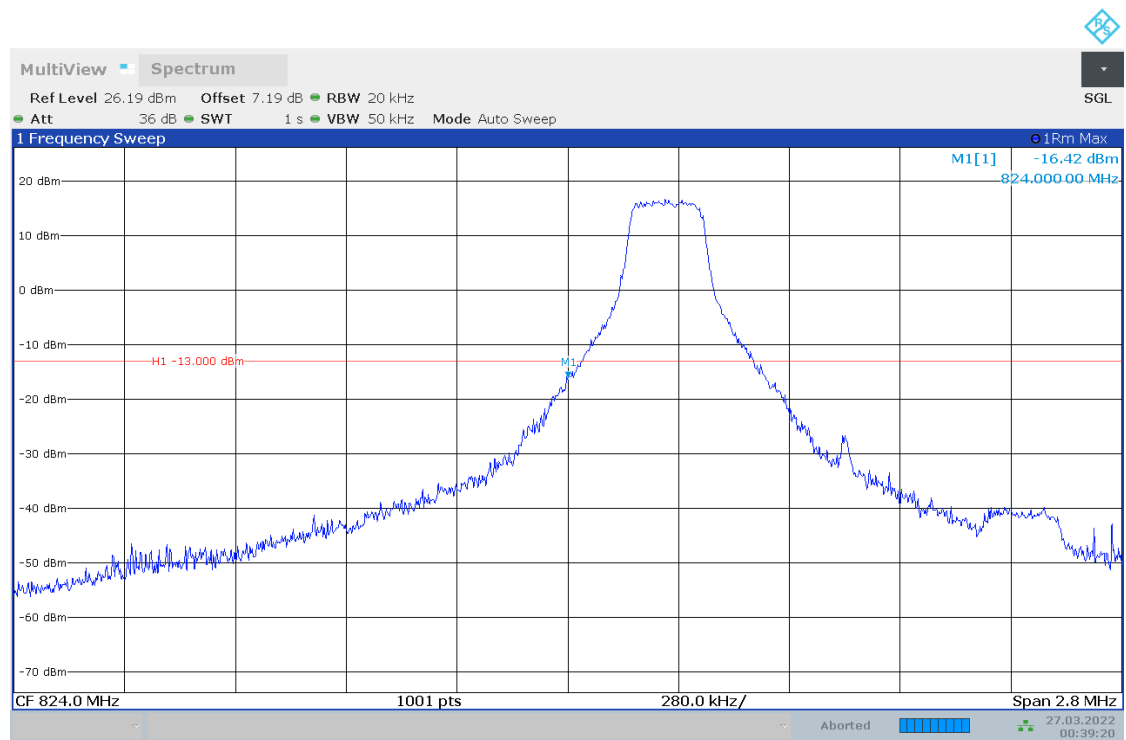


5.2.19 TM2_1.4MHZ_LCH_RB6#0



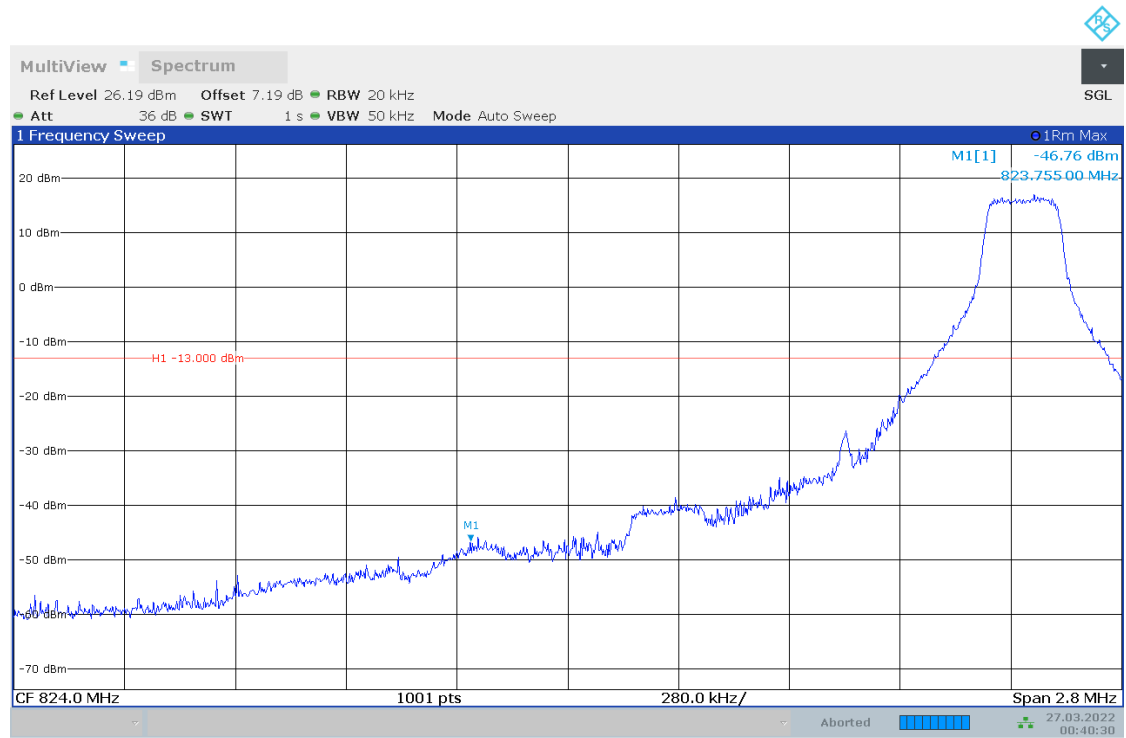
00:38:10 27.03.2022

5.2.20 TM2_1.4MHZ_LCH_RB1#0



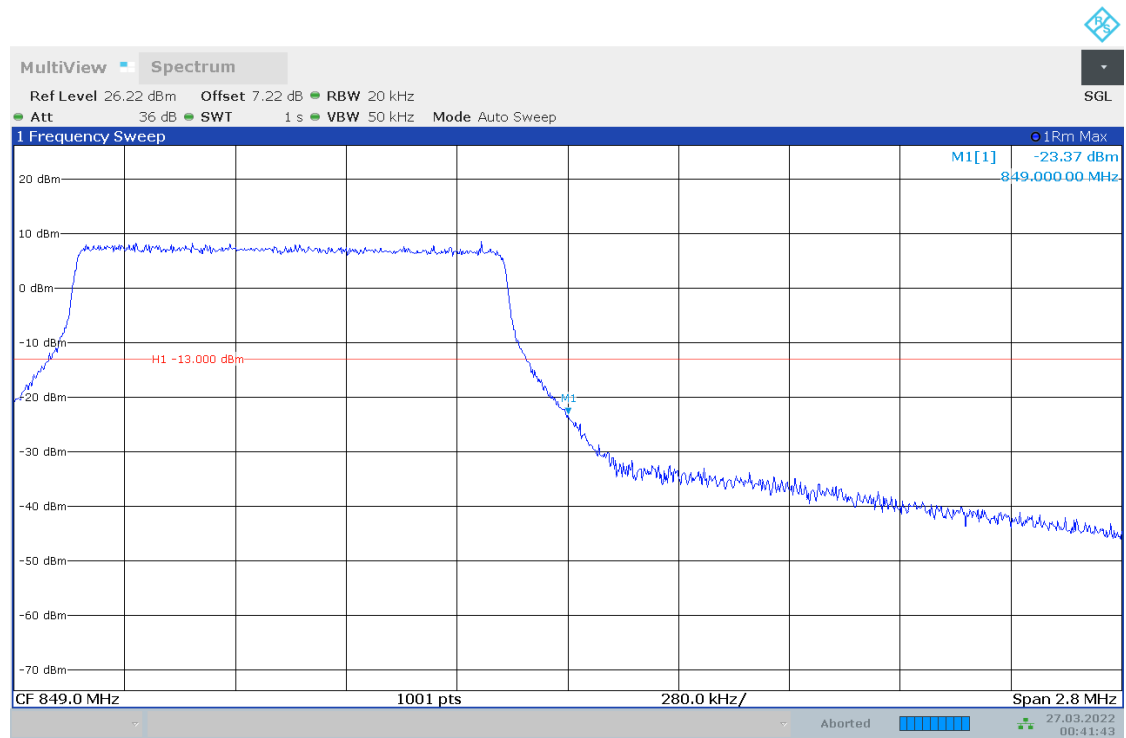
00:39:21 27.03.2022

5.2.21 TM2_1.4MHZ_LCH_RB1#5



00:40:31 27.03.2022

5.2.22 TM2_1.4MHZ_HCH_RB6#0



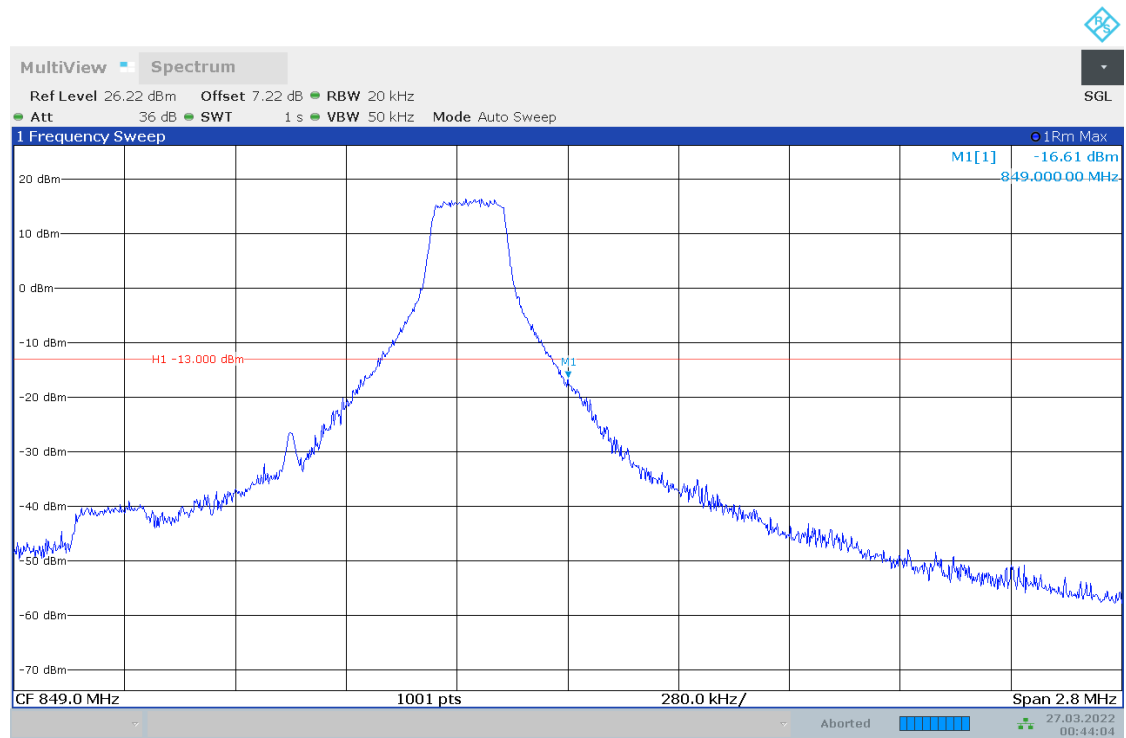
00:41:44 27.03.2022

5.2.23 TM2_1.4MHZ_HCH_RB1#0



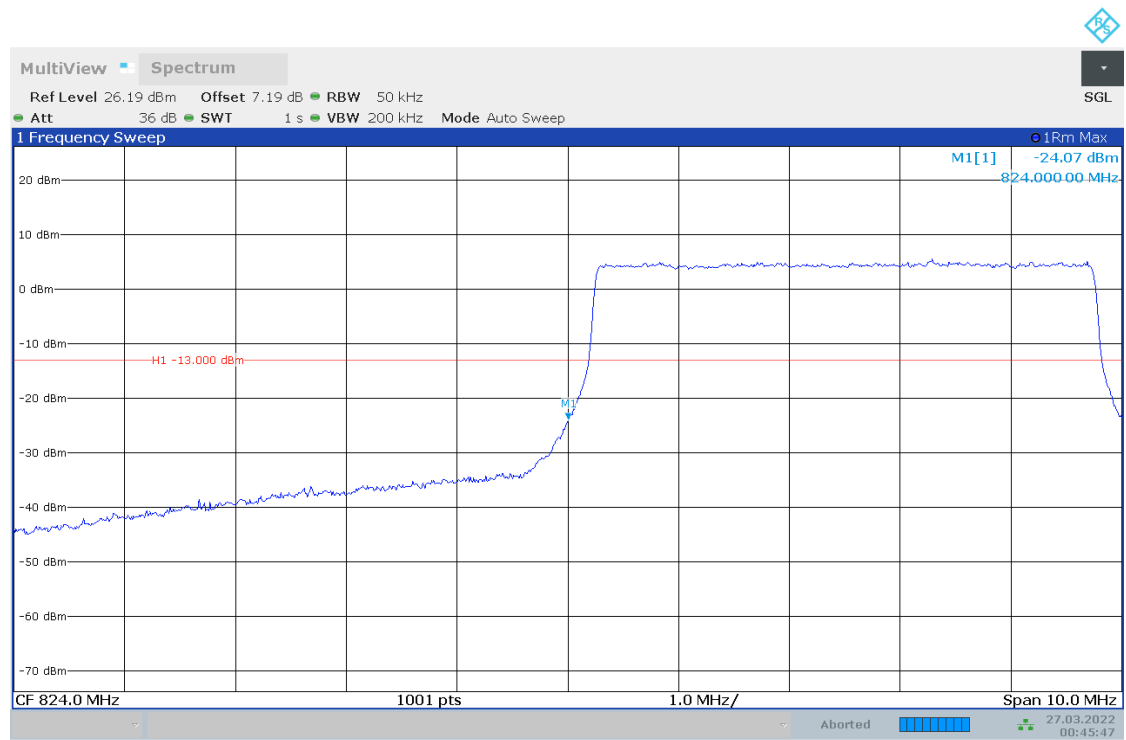
00:42:55 27.03.2022

5.2.24 TM2_1.4MHZ_HCH_RB1#5

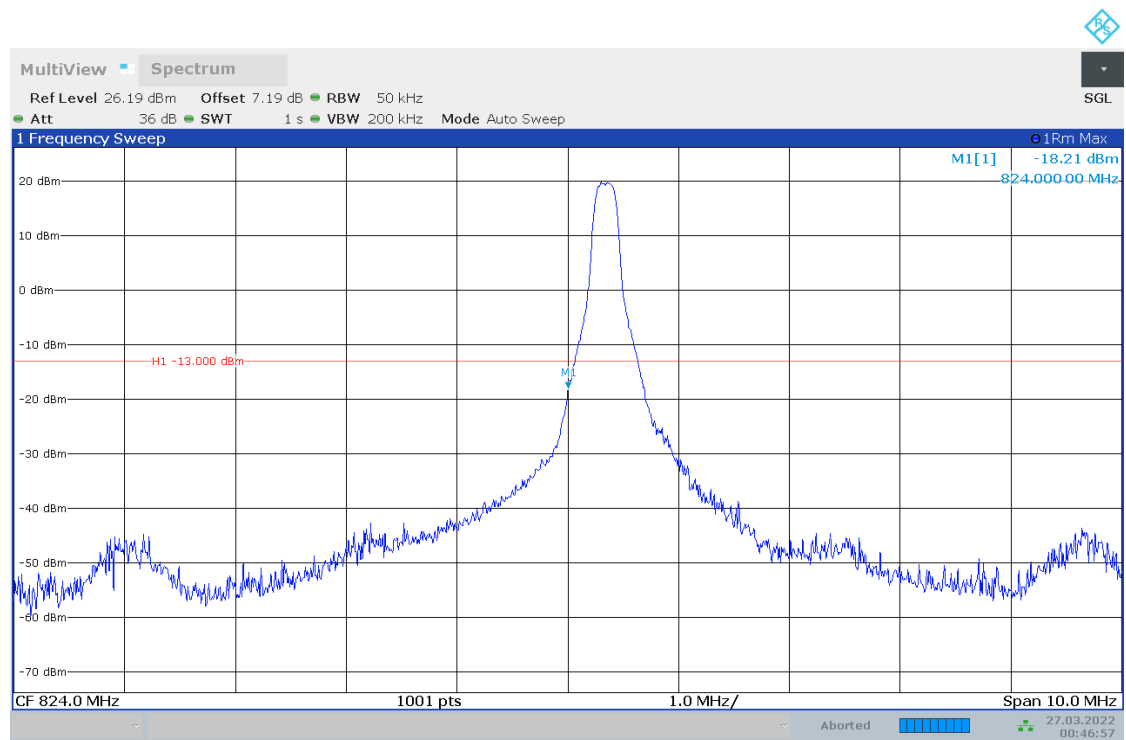


00:44:05 27.03.2022

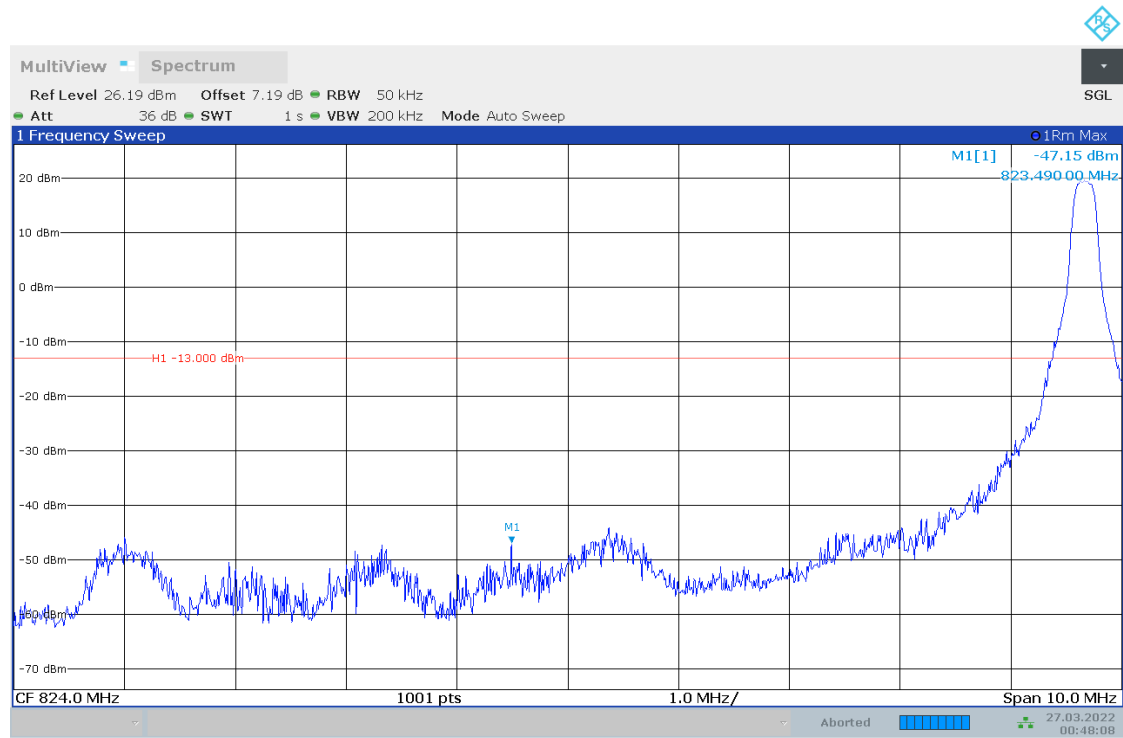
5.2.25 TM2_5MHZ_LCH_RB25#0



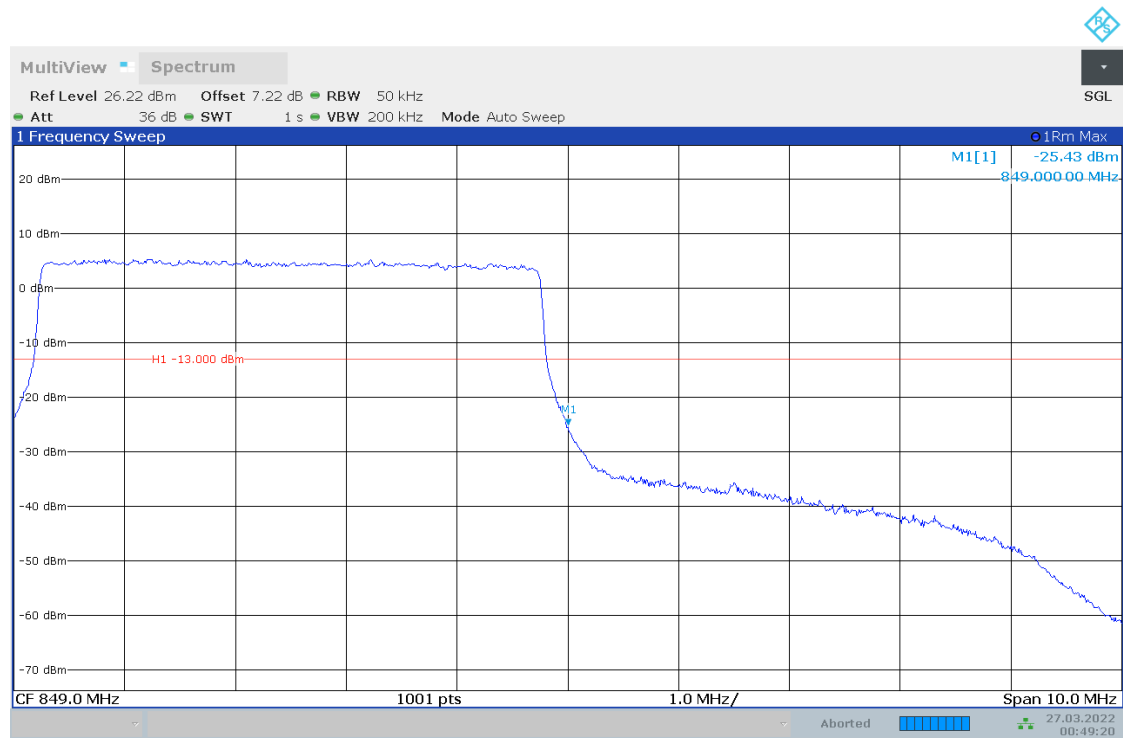
5.2.26 TM2_5MHZ_LCH_RB1#0



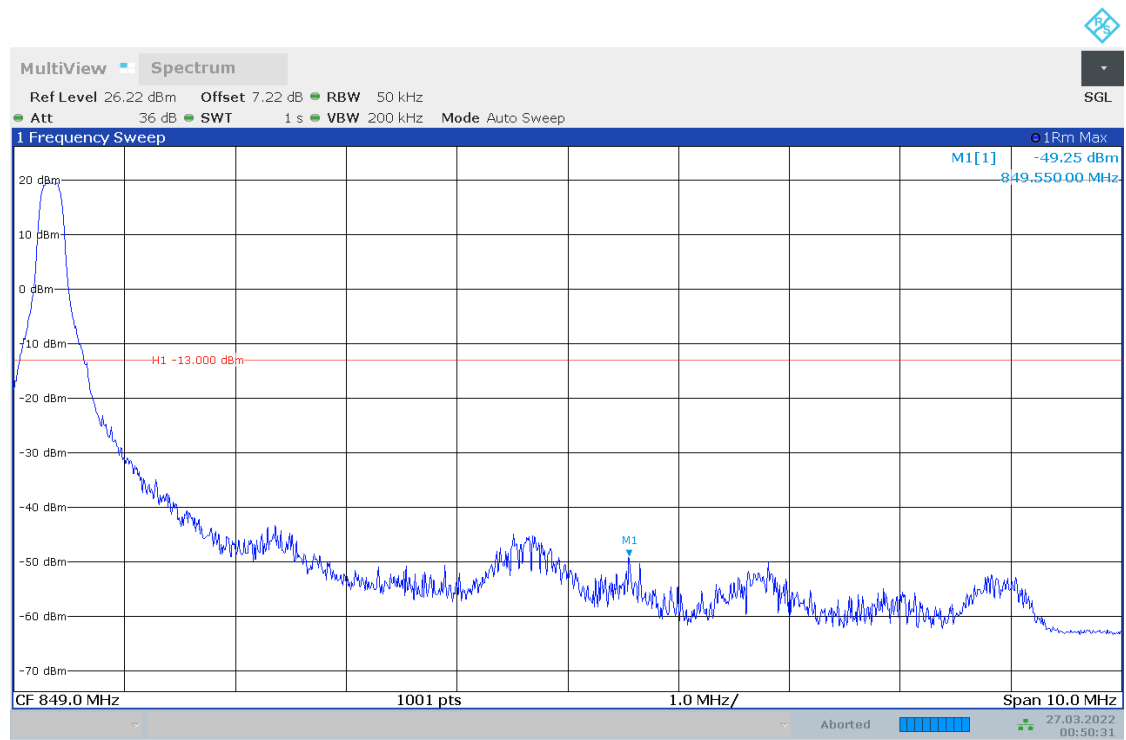
5.2.27 TM2_5MHZ_LCH_RB1#24



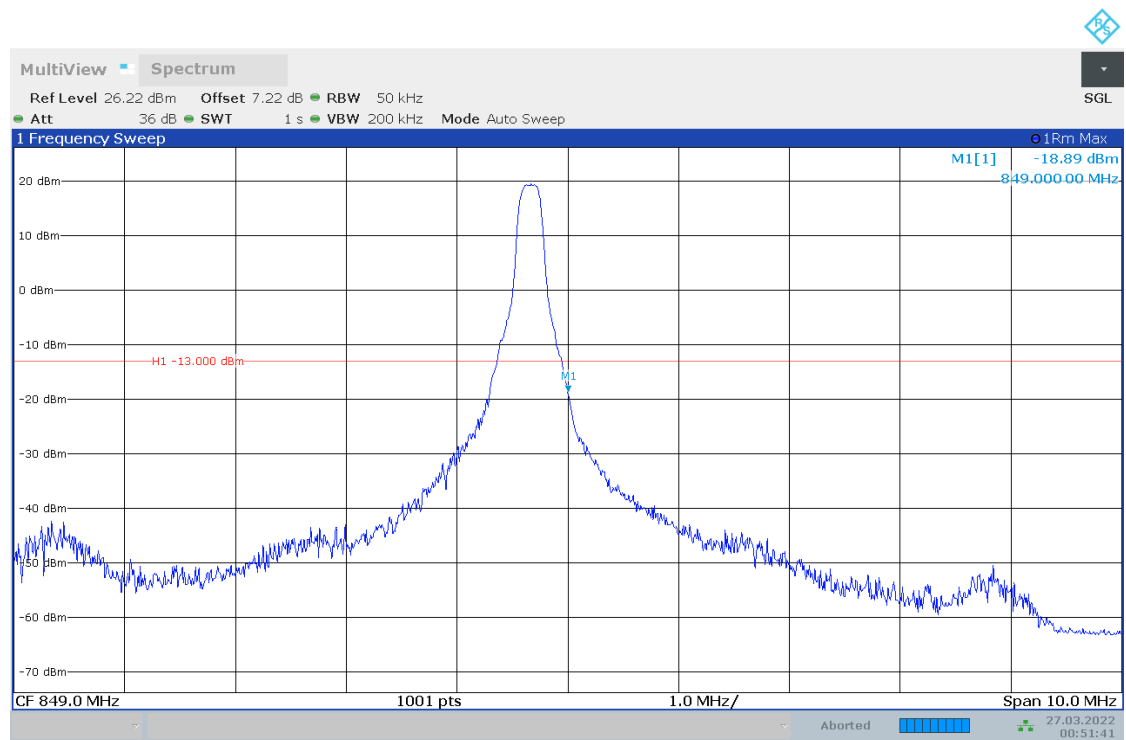
5.2.28 TM2_5MHZ_HCH_RB25#0



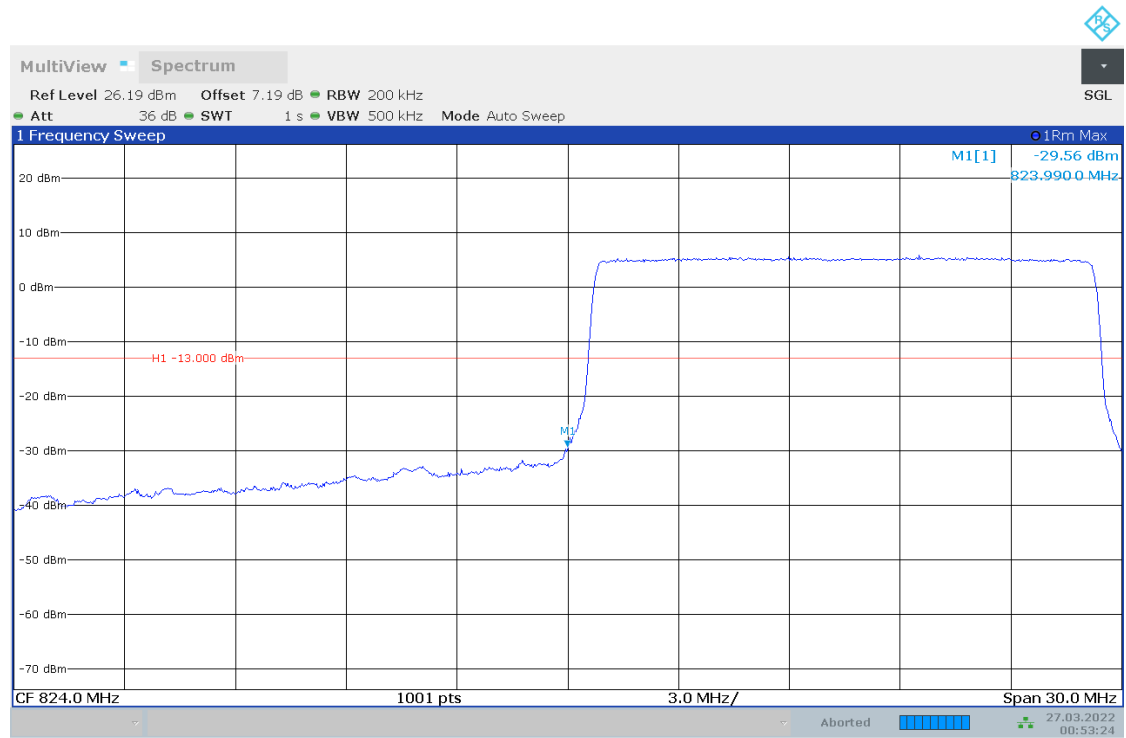
5.2.29 TM2_5MHZ_HCH_RB1#0



5.2.30 TM2_5MHZ_HCH_RB1#24



5.2.31 TM2_15MHZ_LCH_RB75#0



5.2.32 TM2_15MHZ_LCH_RB1#0

