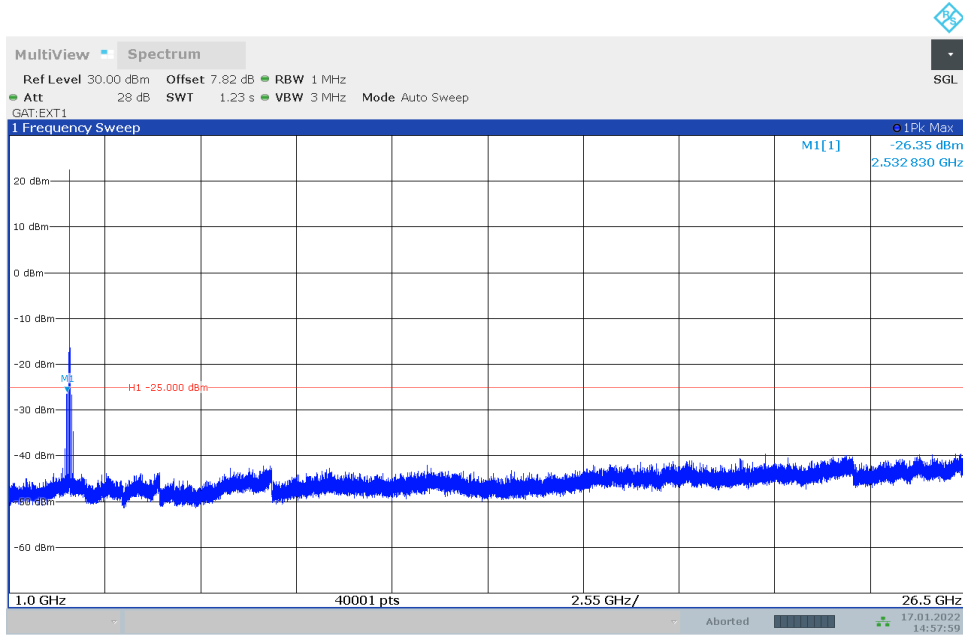
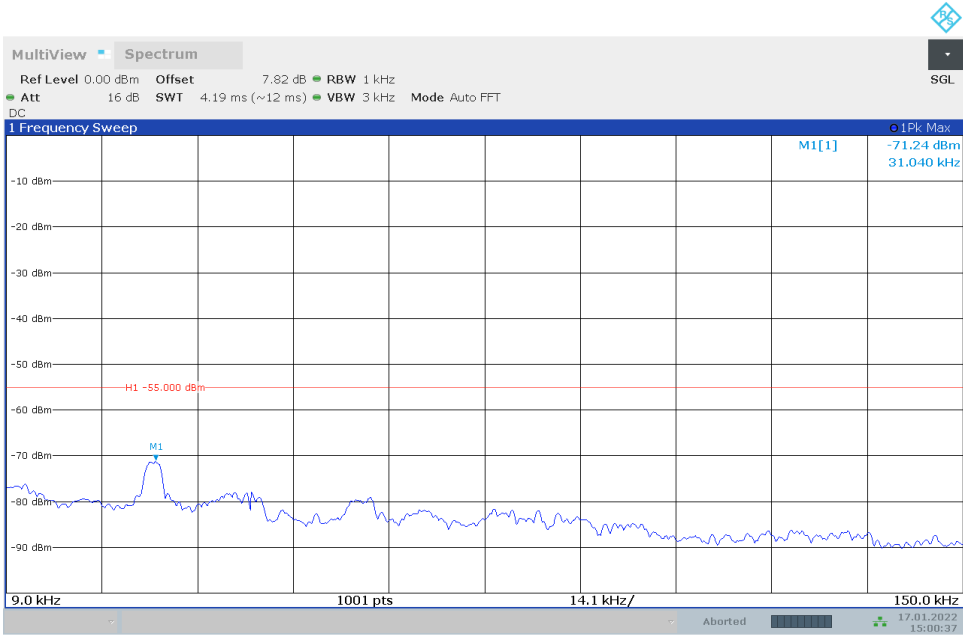


14:57:23 17.01.2022

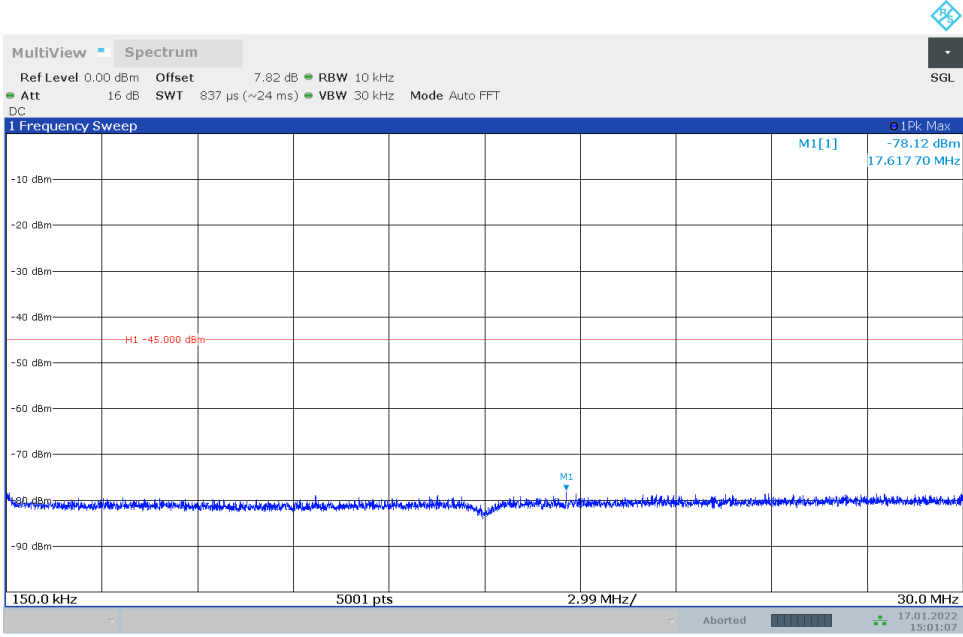


14:57:59 17.01.2022

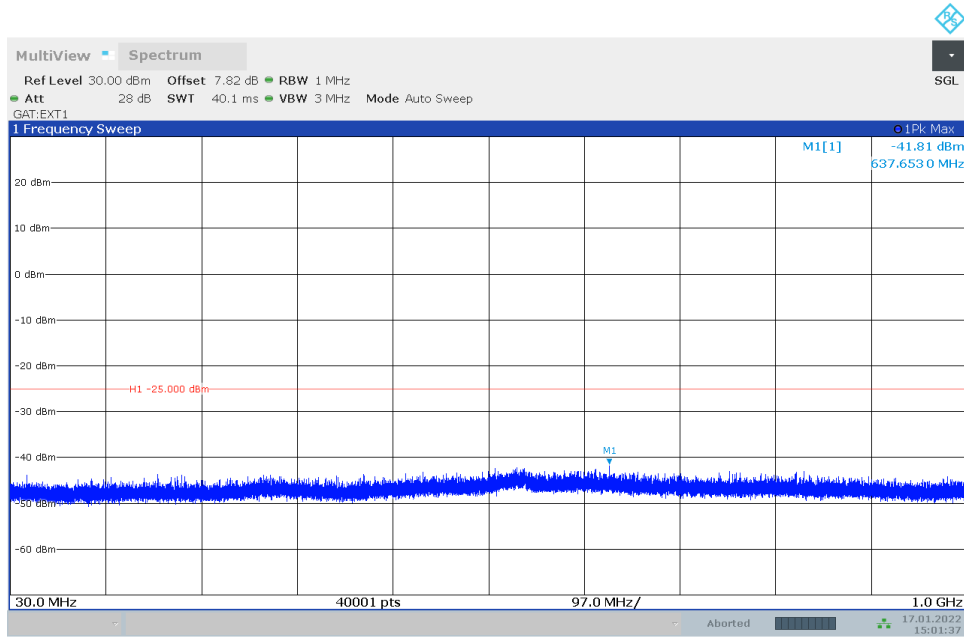
6.2.24 BAND 38_TM2_5MHZ_MCH_RB25#0



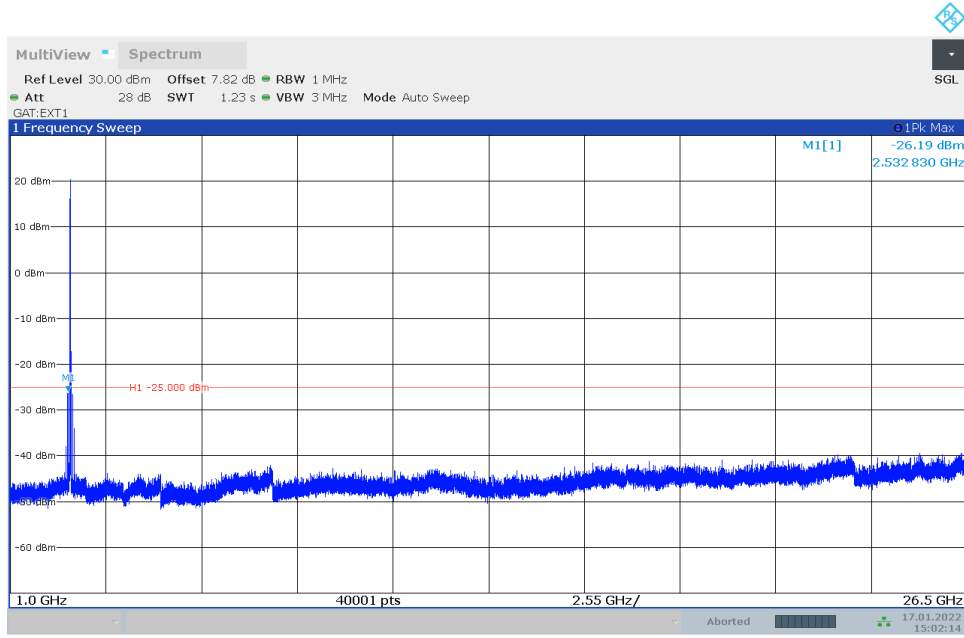
15:00:38 17.01.2022



15:01:08 17.01.2022

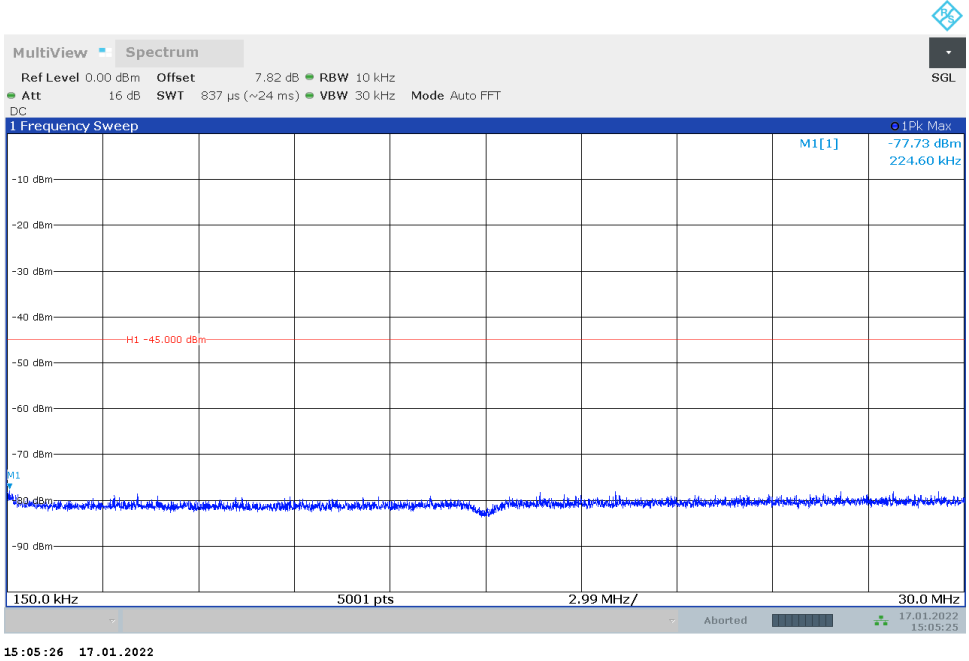
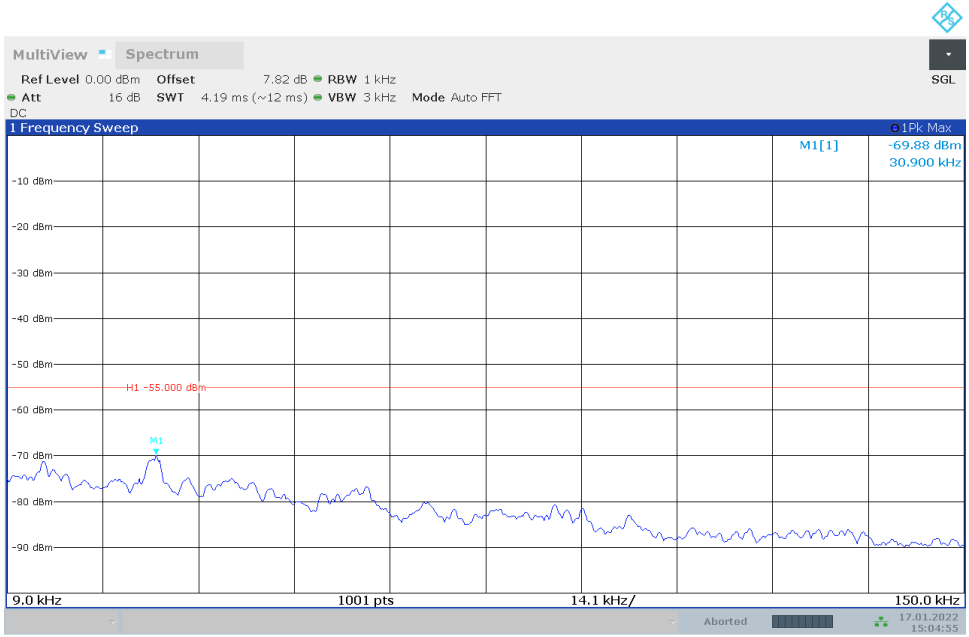


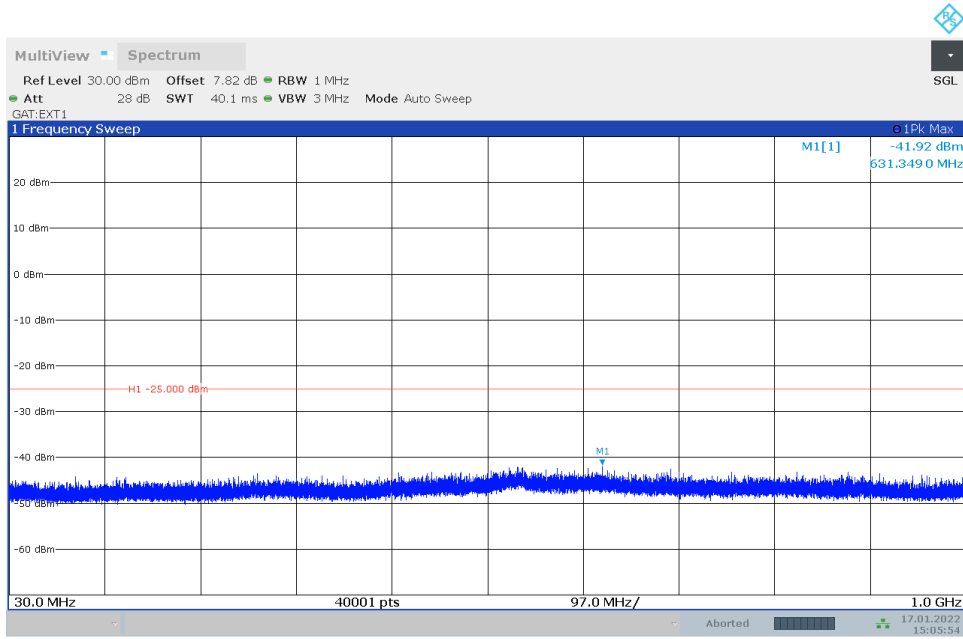
15:01:37 17.01.2022



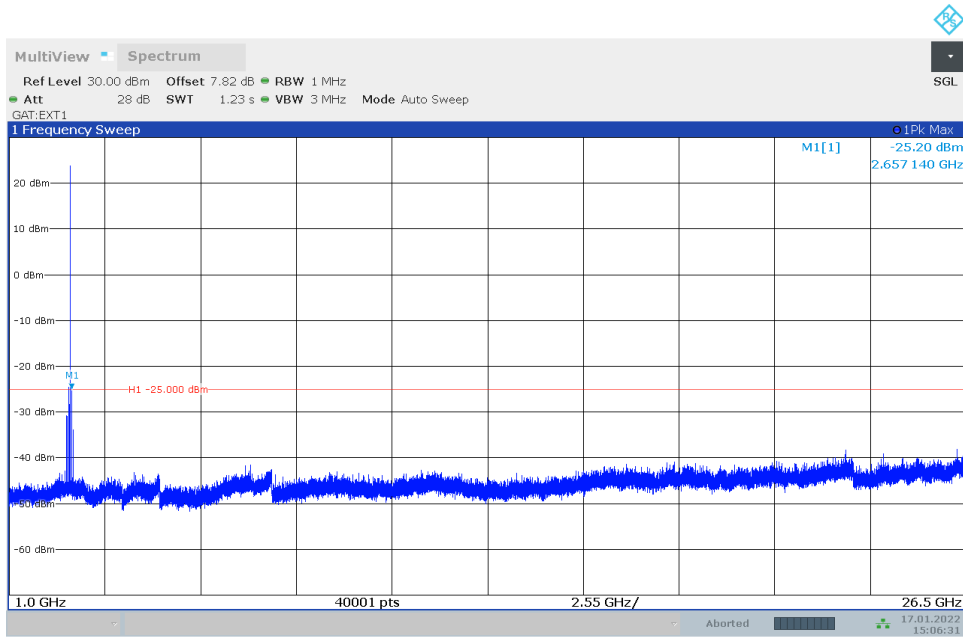
15:02:14 17.01.2022

6.2.25 BAND 38_TM2_5MHZ_HCH_RB1#0



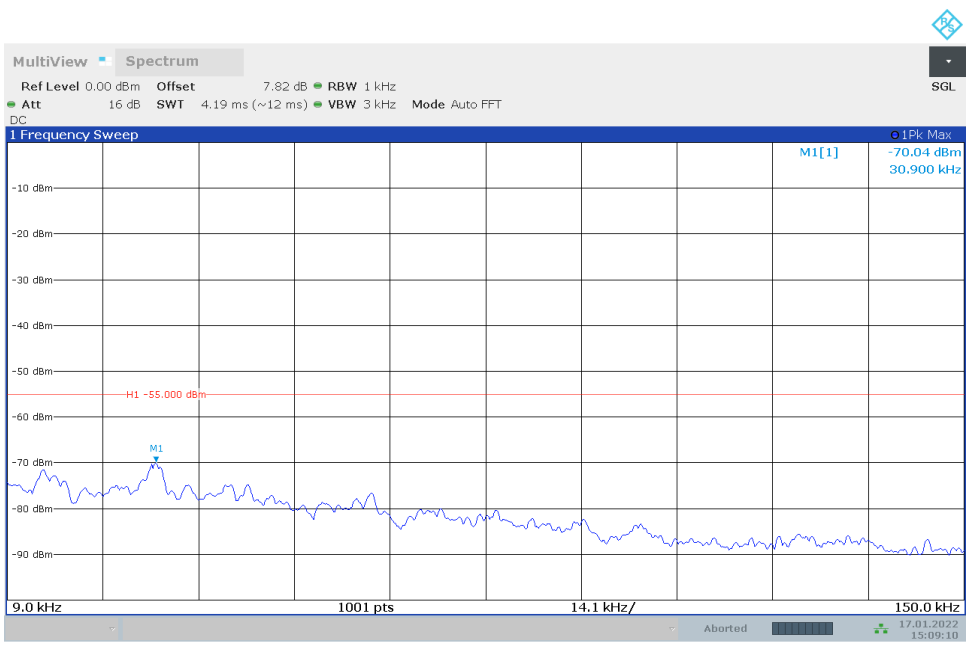


15:05:55 17.01.2022

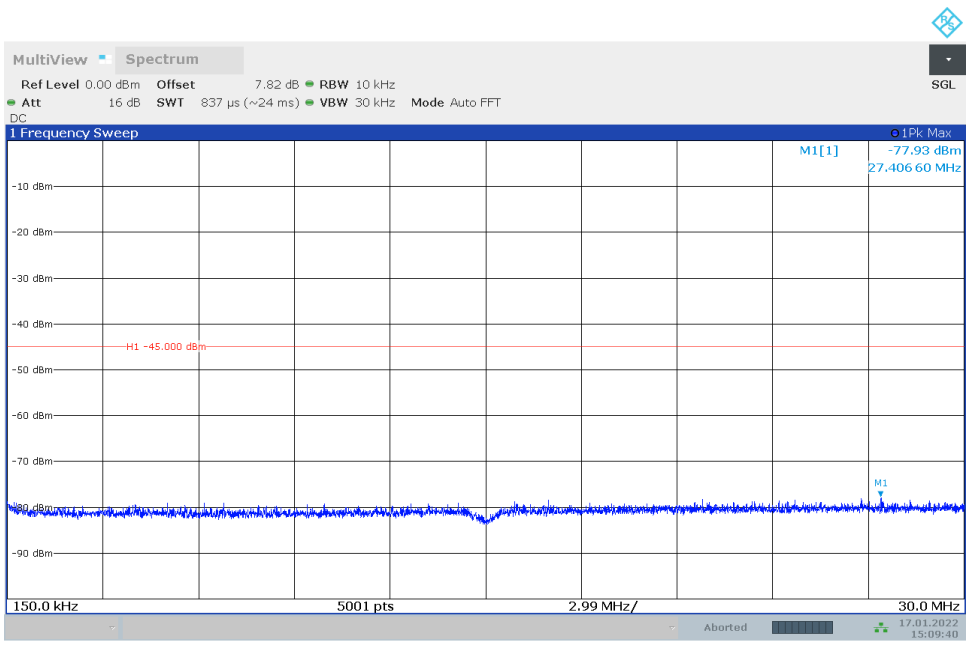


15:06:32 17.01.2022

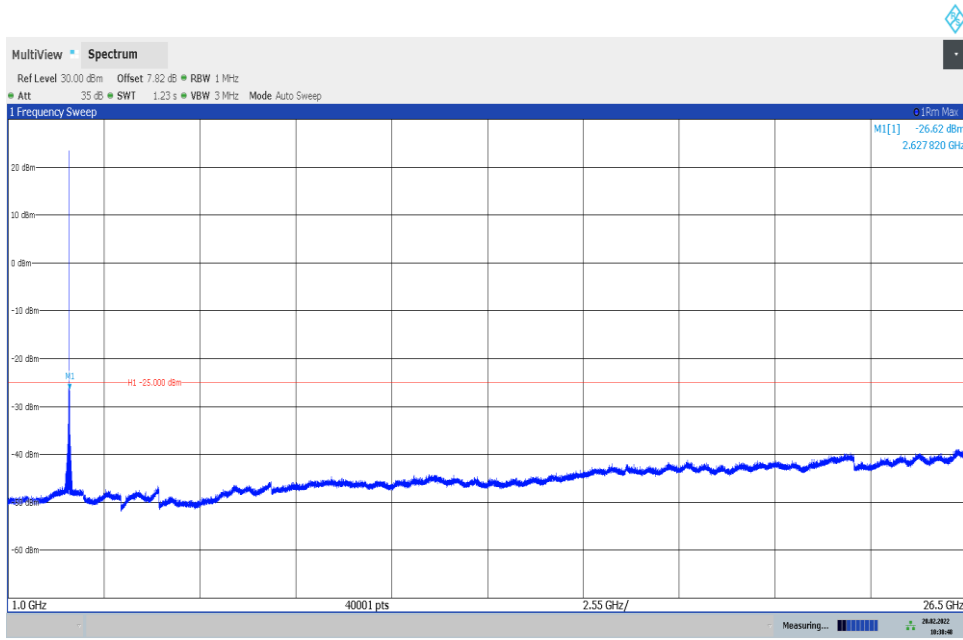
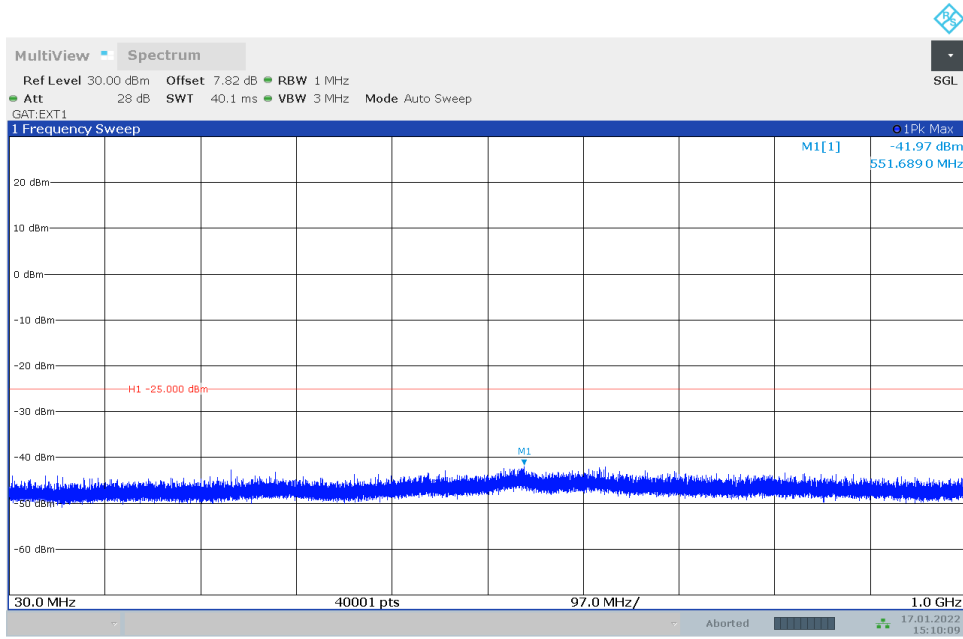
6.2.26 BAND 38_TM2_5MHZ_HCH_RB1#24



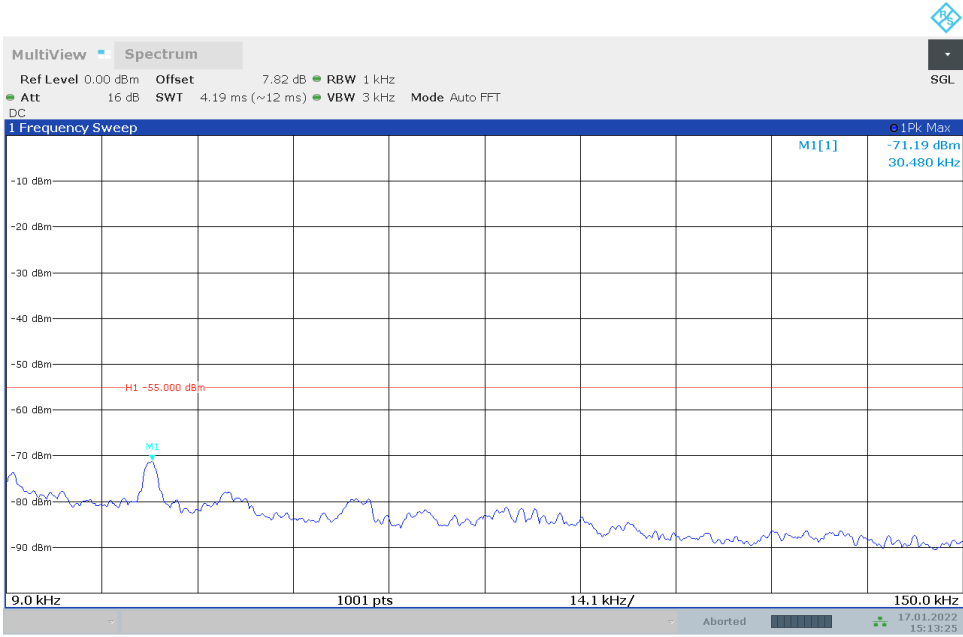
15:09:11 17.01.2022



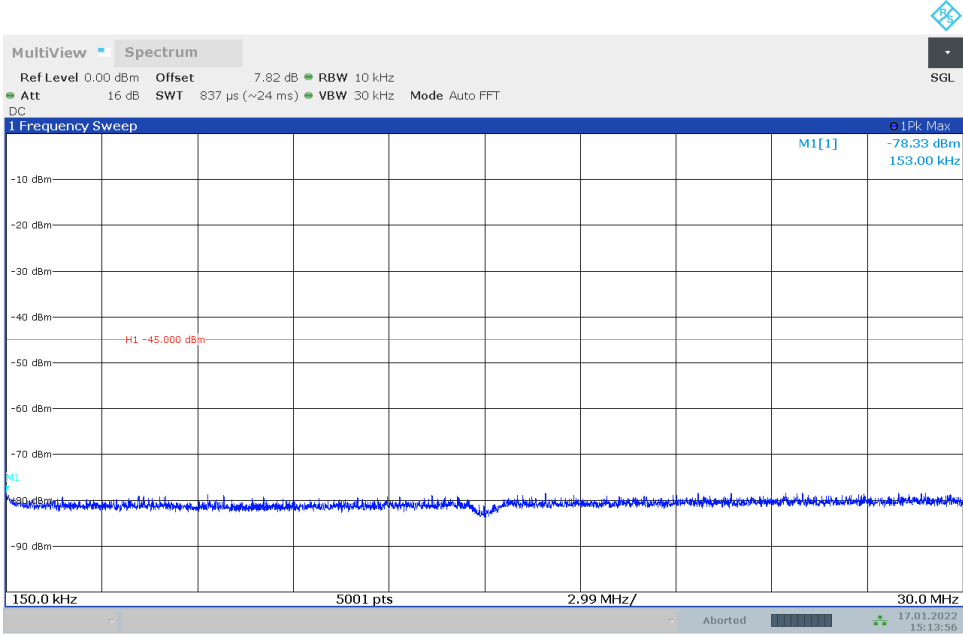
15:09:40 17.01.2022



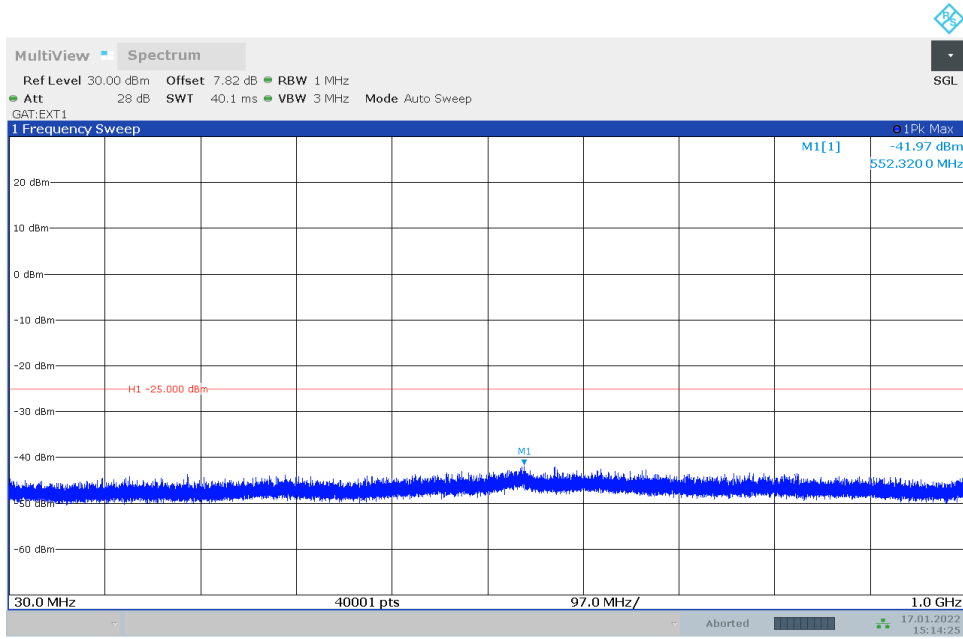
6.2.27 BAND 38_TM2_5MHZ_HCH_RB25#0



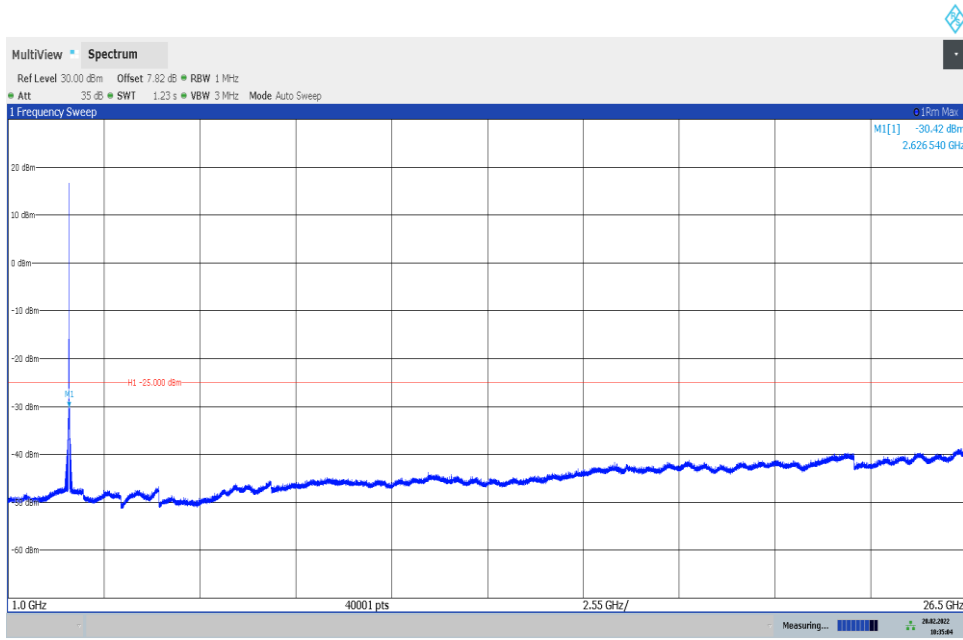
15:13:26 17.01.2022



15:13:56 17.01.2022

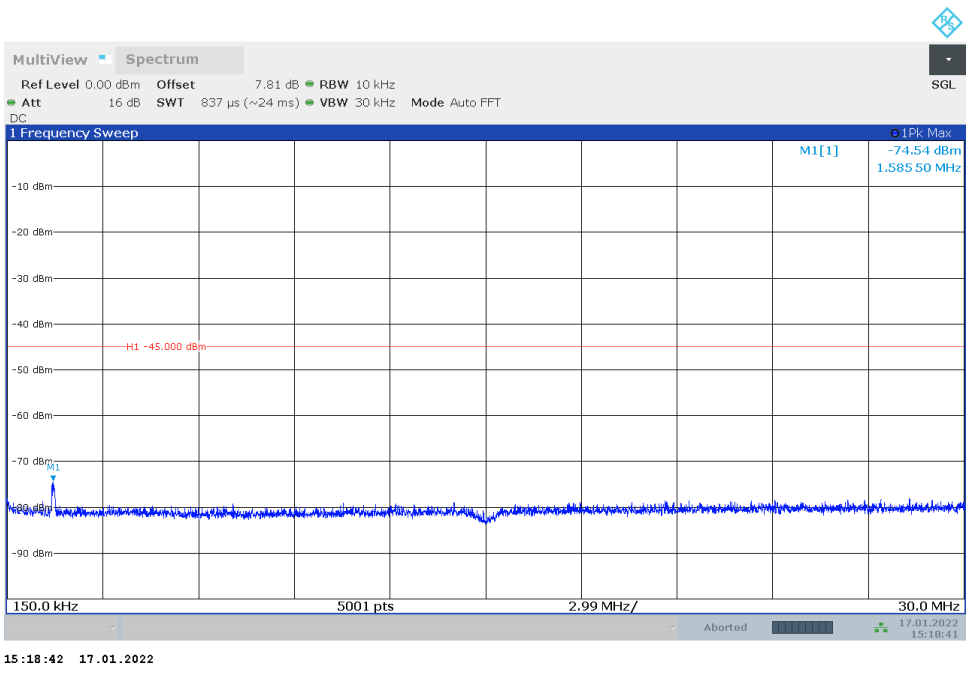


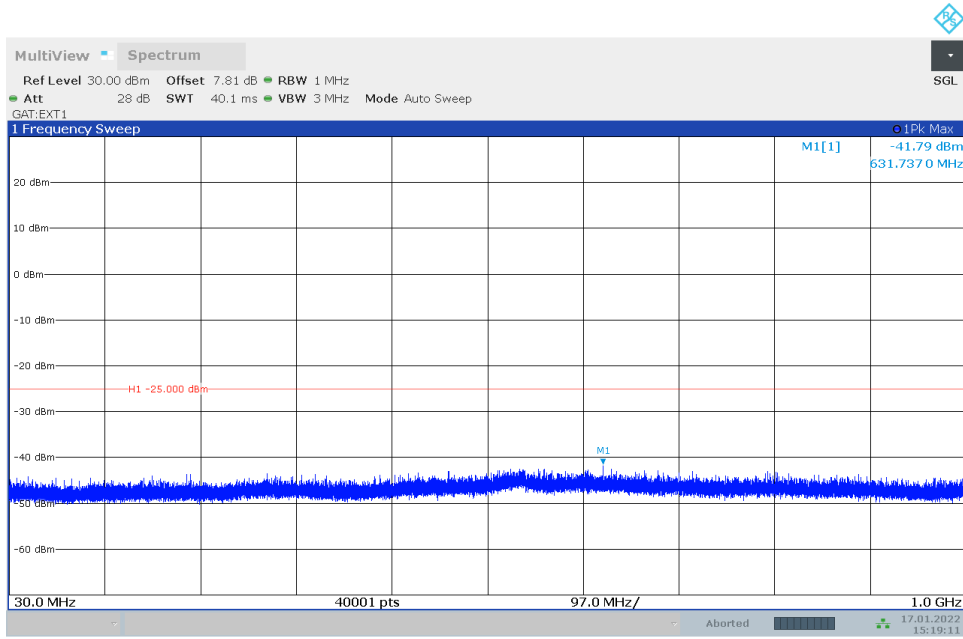
15:14:25 17.01.2022



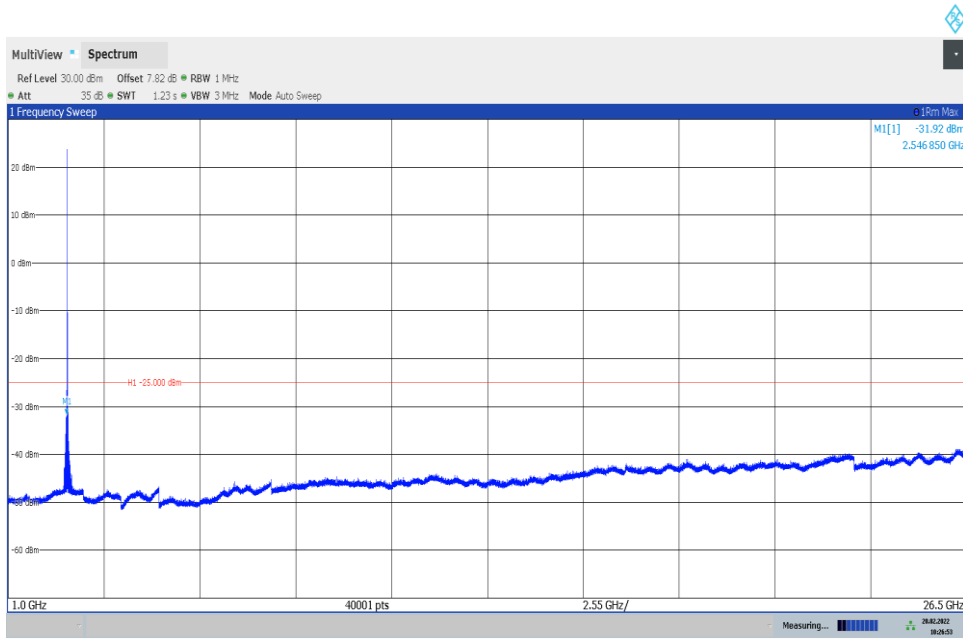
18:35:05 20.02.2022

6.2.28 BAND 38_TM2_20MHZ_LCH_RB1#0



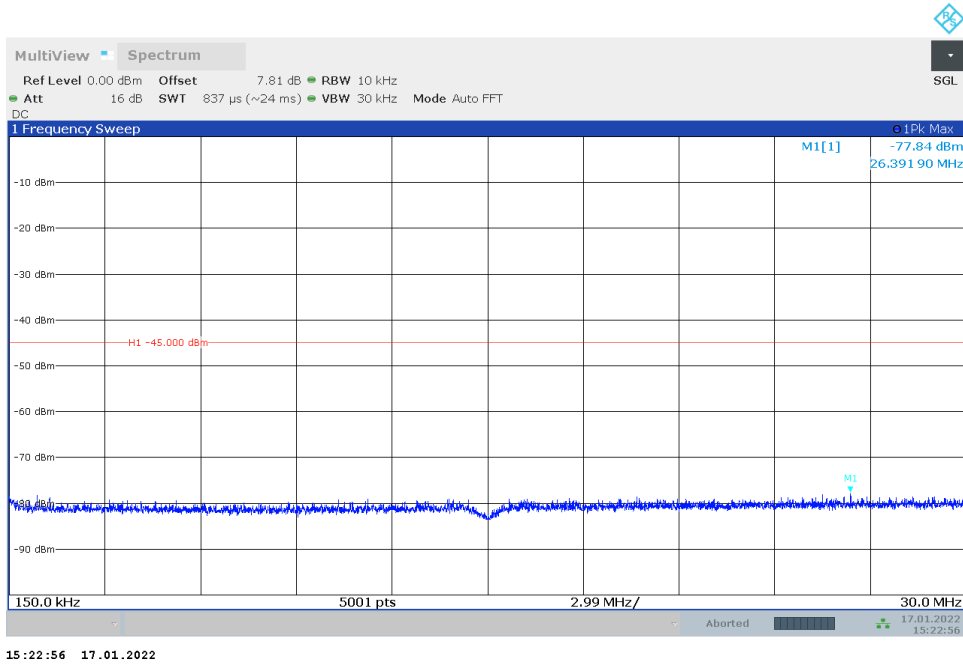


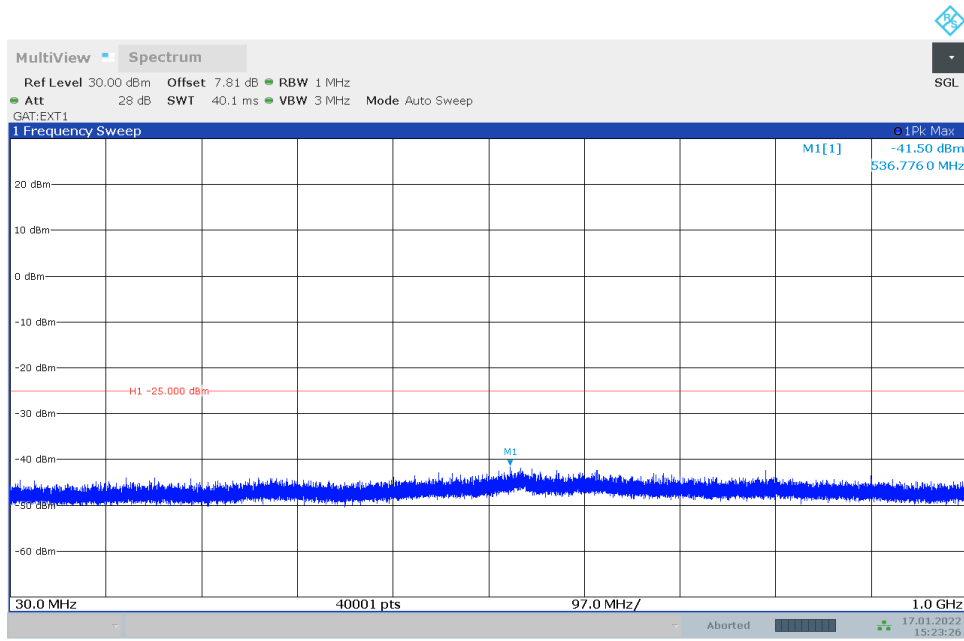
15:19:12 17.01.2022



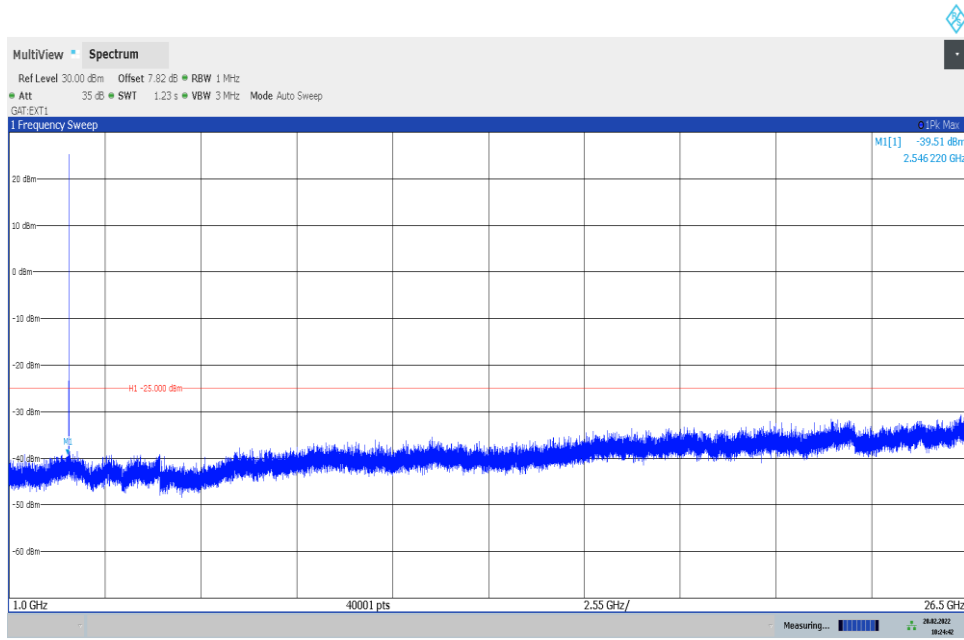
16:26:53 20.02.2022

6.2.29 BAND 38_TM2_20MHZ_LCH_RB1#0



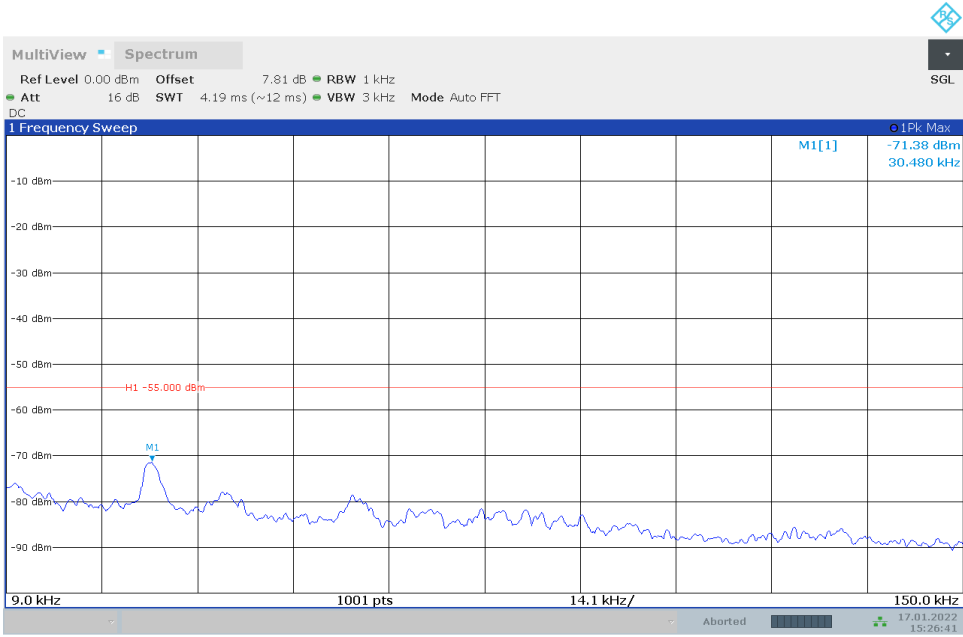


15:23:26 17.01.2022

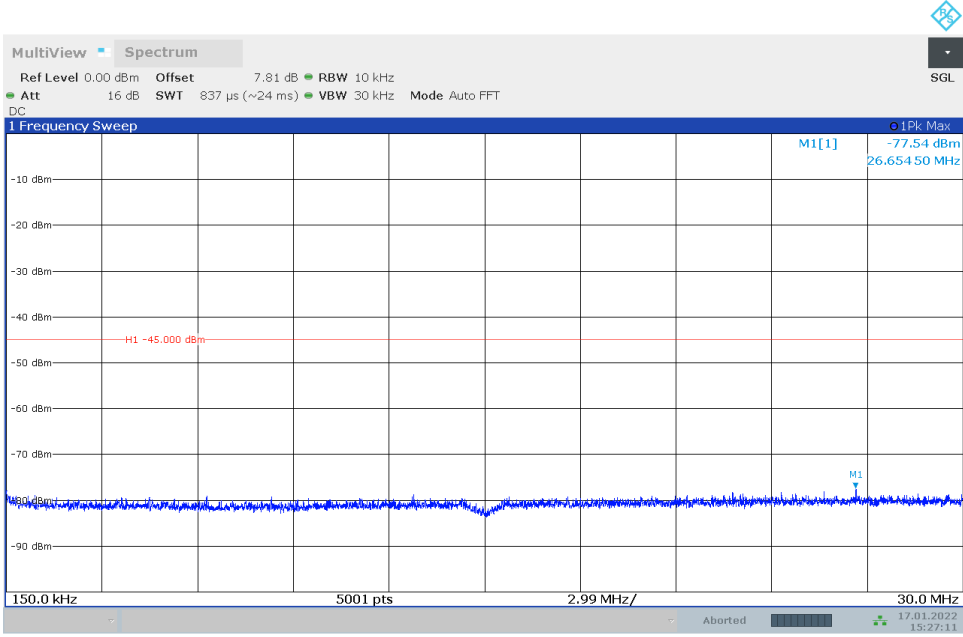


18:24:43 20.02.2022

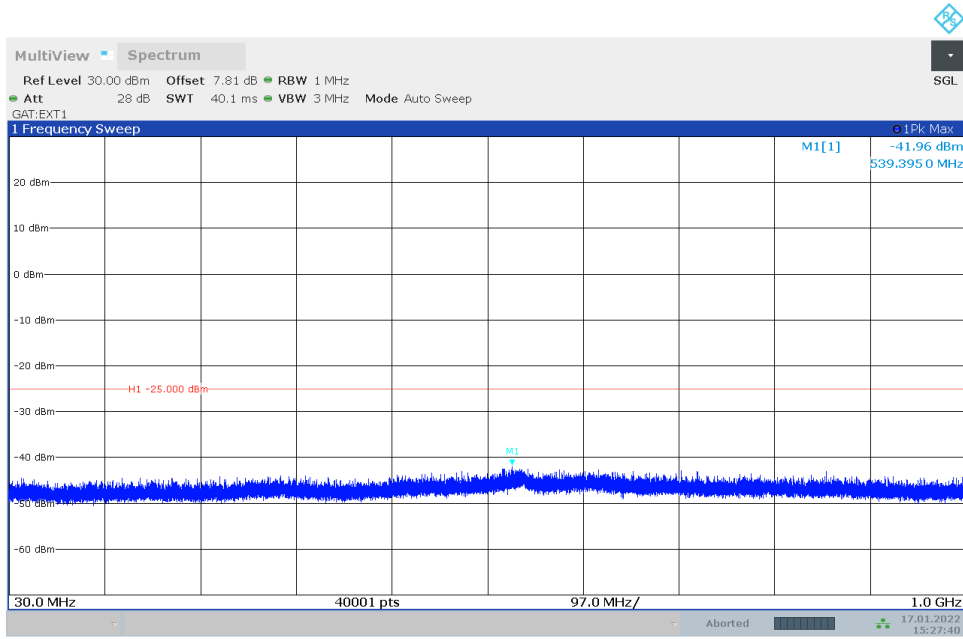
6.2.30 BAND 38_TM2_20MHZ_LCH_RB100#0



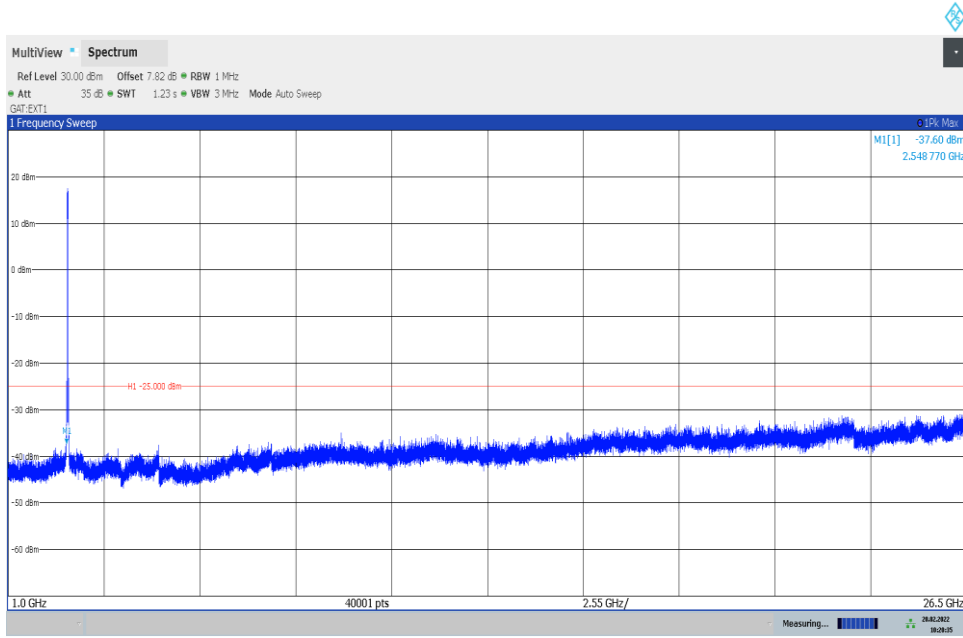
15:26:42 17.01.2022



15:27:11 17.01.2022

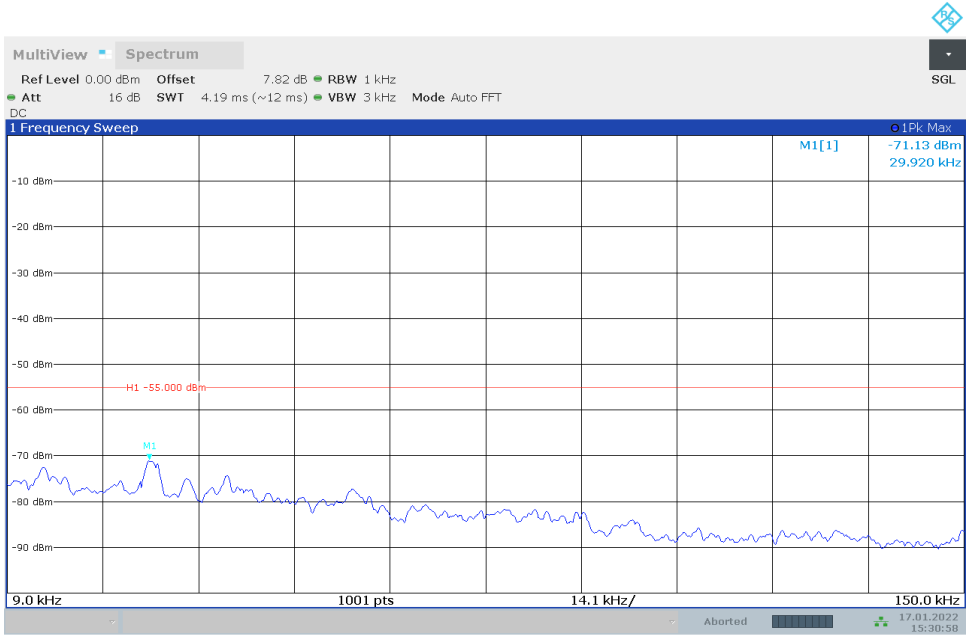


15:27:41 17.01.2022

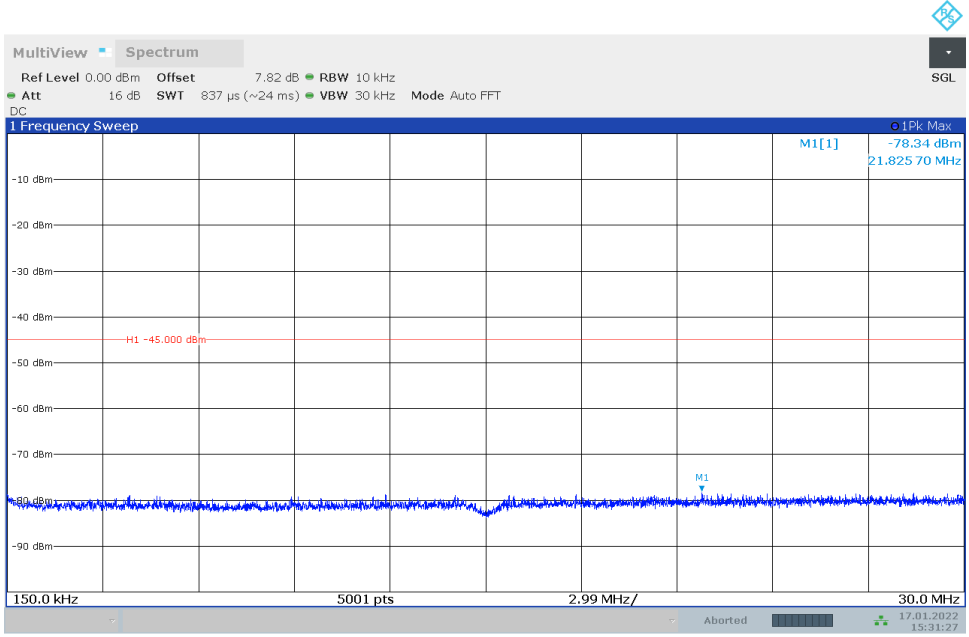


16:28:36 20.02.2022

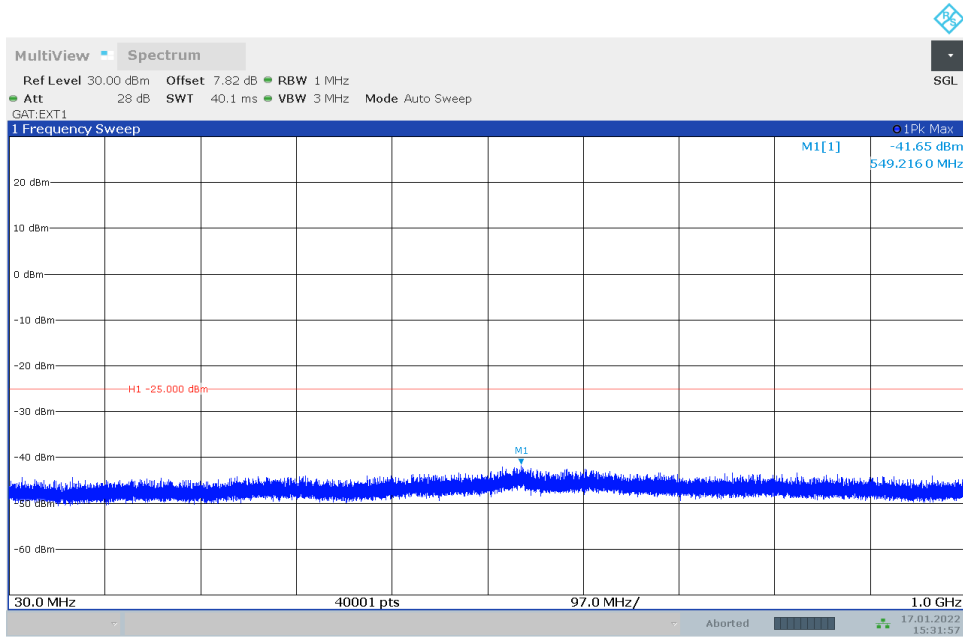
6.2.31 BAND 38_TM2_20MHZ_MCH_RB1#0



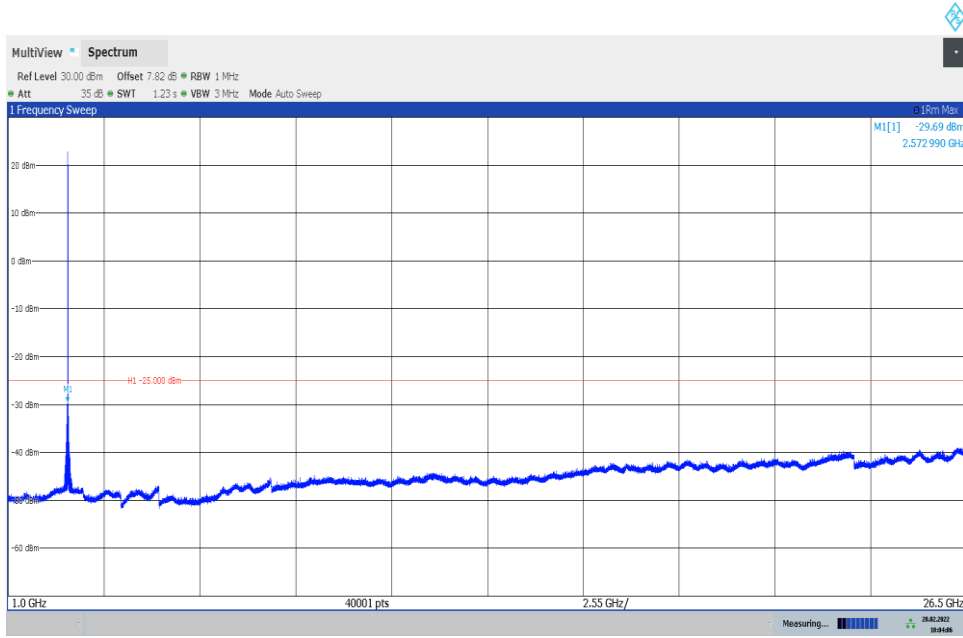
15:30:59 17.01.2022



15:31:28 17.01.2022

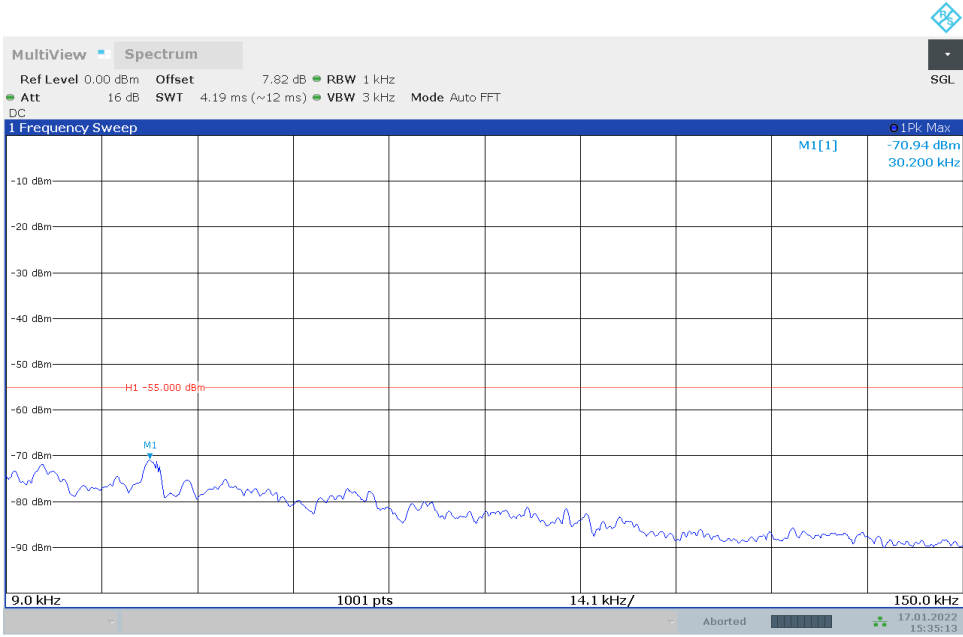


15:31:58 17.01.2022

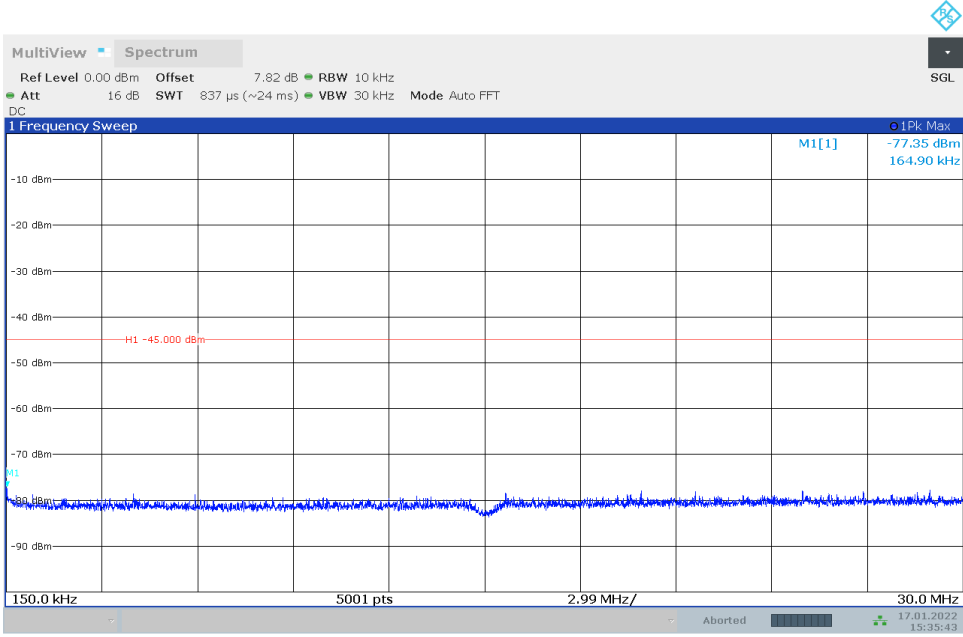


10:04:06 20.02.2022

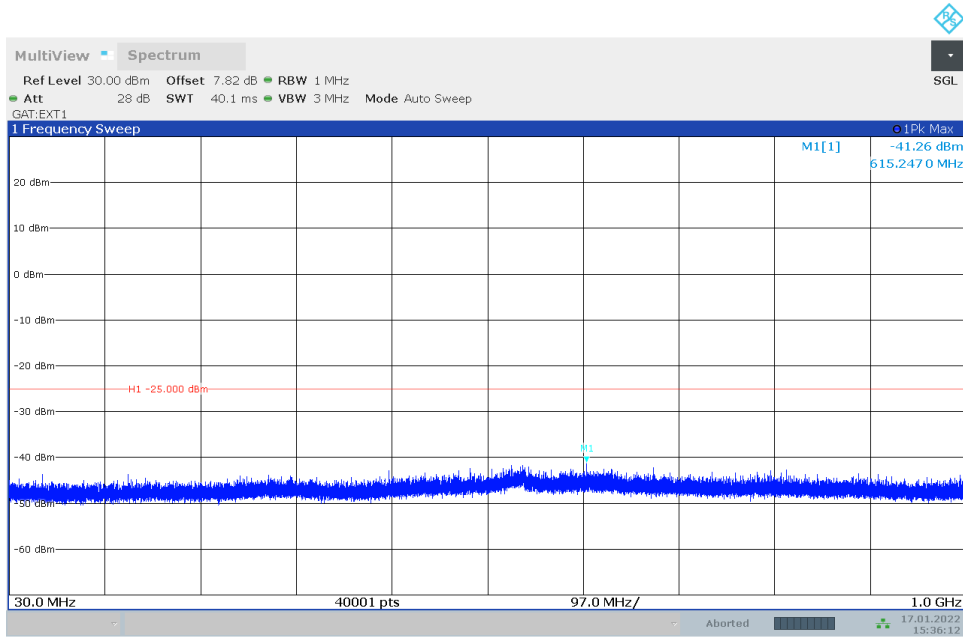
6.2.32 BAND 38_TM2_20MHZ_MCH_RB1#99



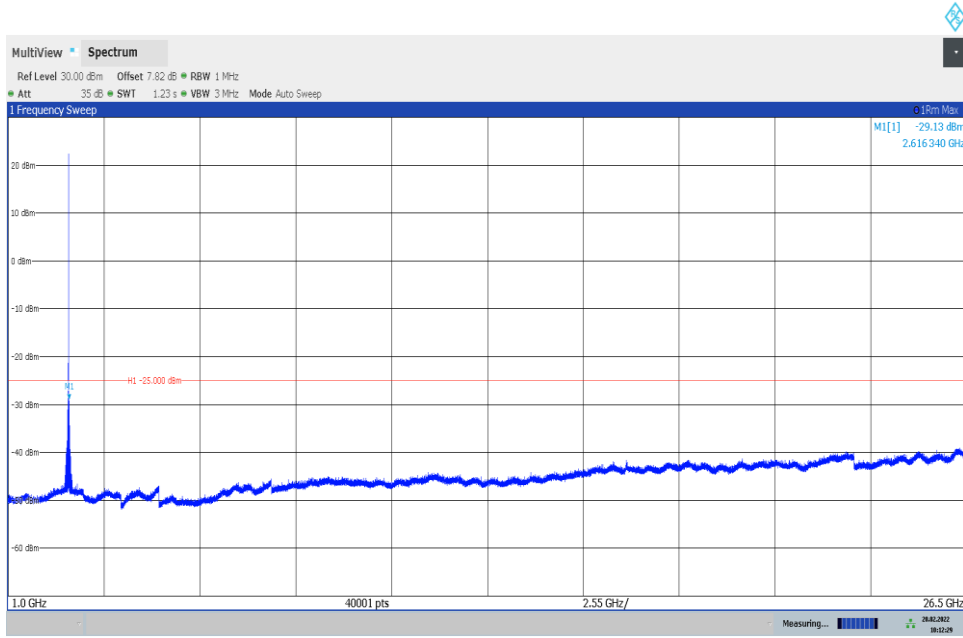
15:35:13 17.01.2022



15:35:43 17.01.2022



15:36:13 17.01.2022

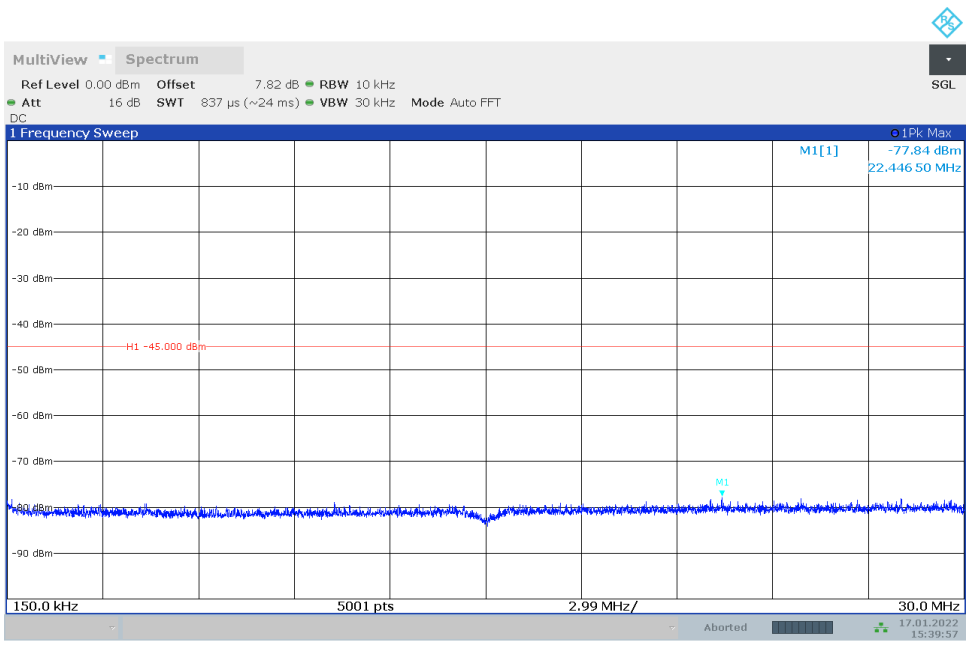


18:12:30 20.02.2022

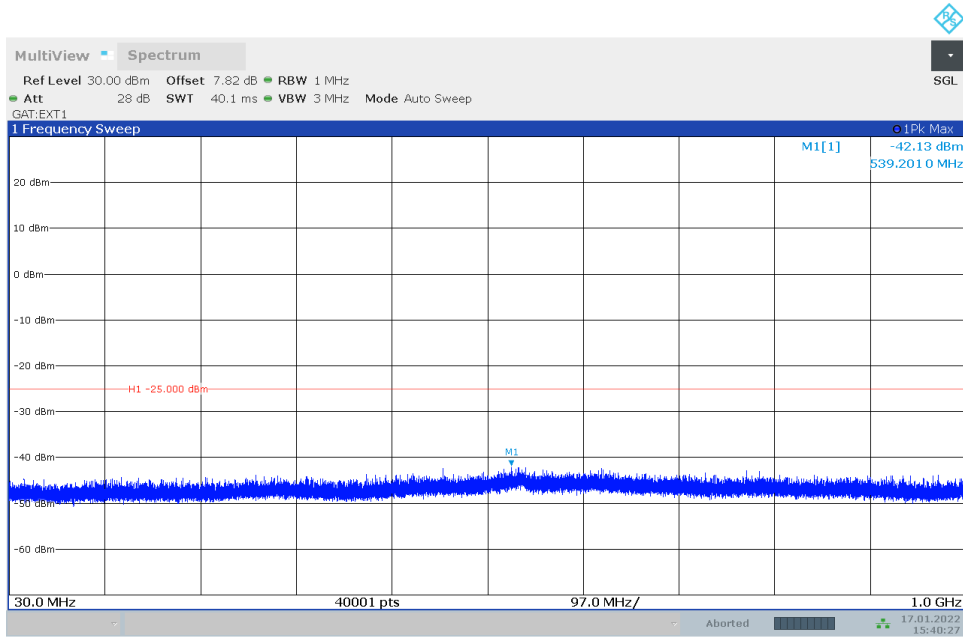
6.2.33 BAND 38_TM2_20MHZ_MCH_RB100#0



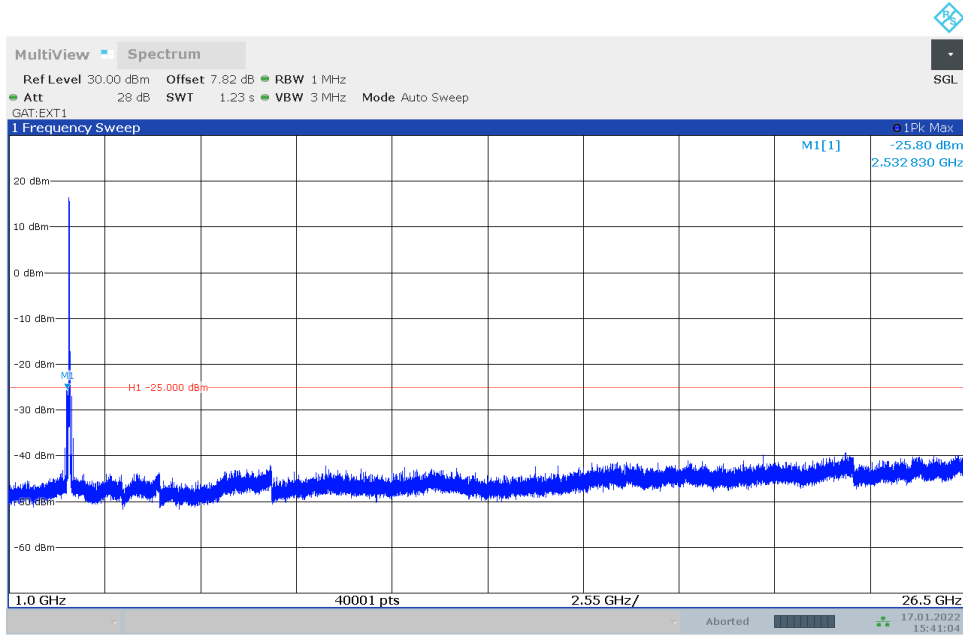
15:39:28 17.01.2022



15:39:58 17.01.2022

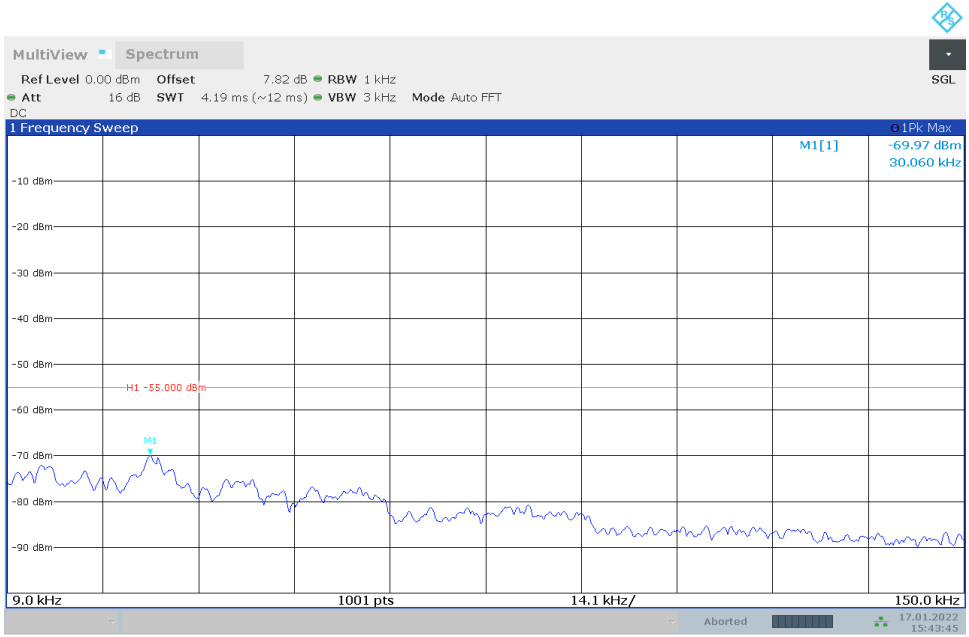


15:40:28 17.01.2022

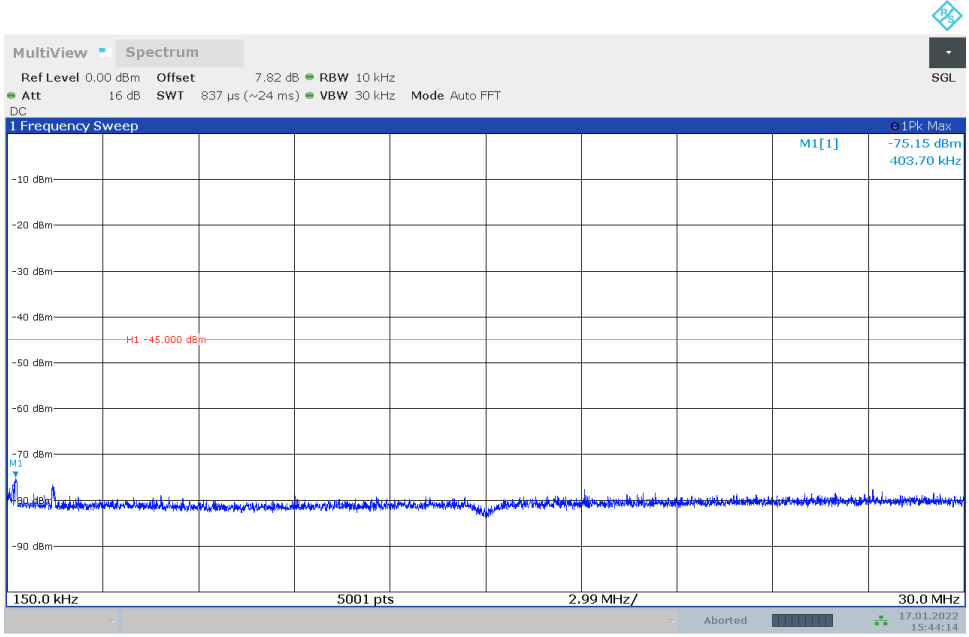


15:41:05 17.01.2022

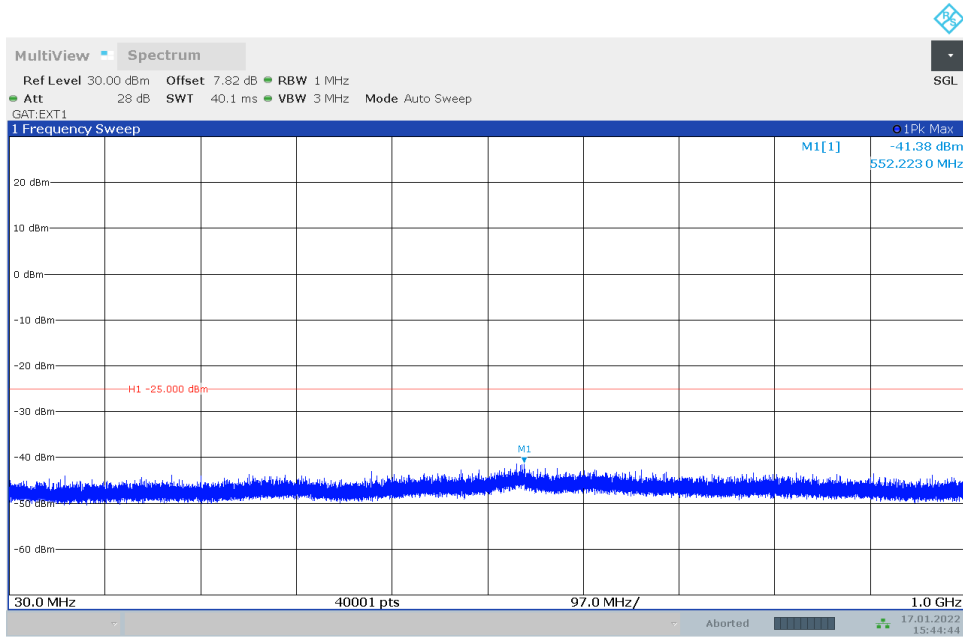
6.2.34 BAND 38_TM2_20MHZ_HCH_RB1#0



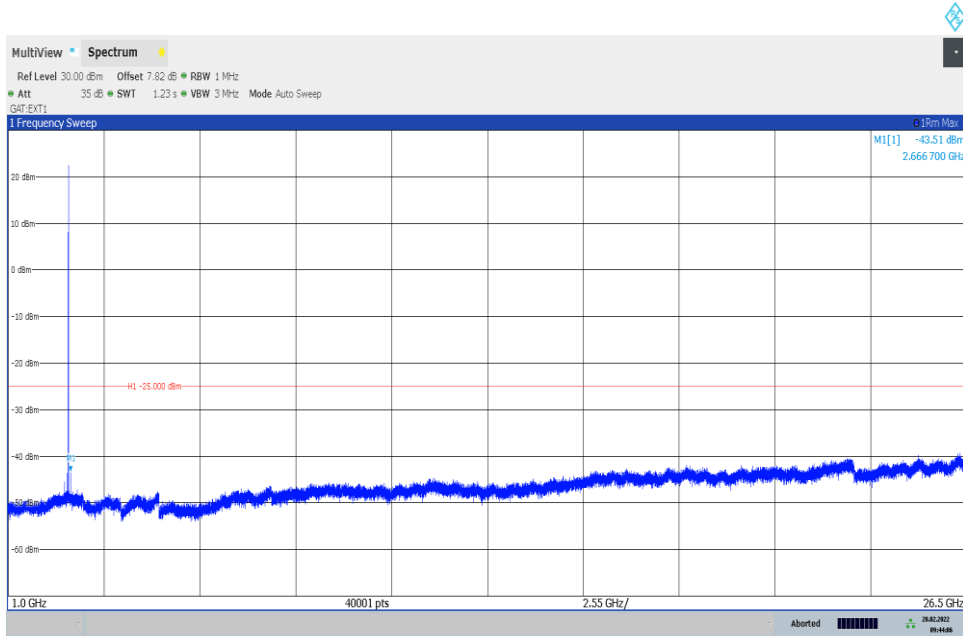
15:43:45 17.01.2022



15:44:15 17.01.2022

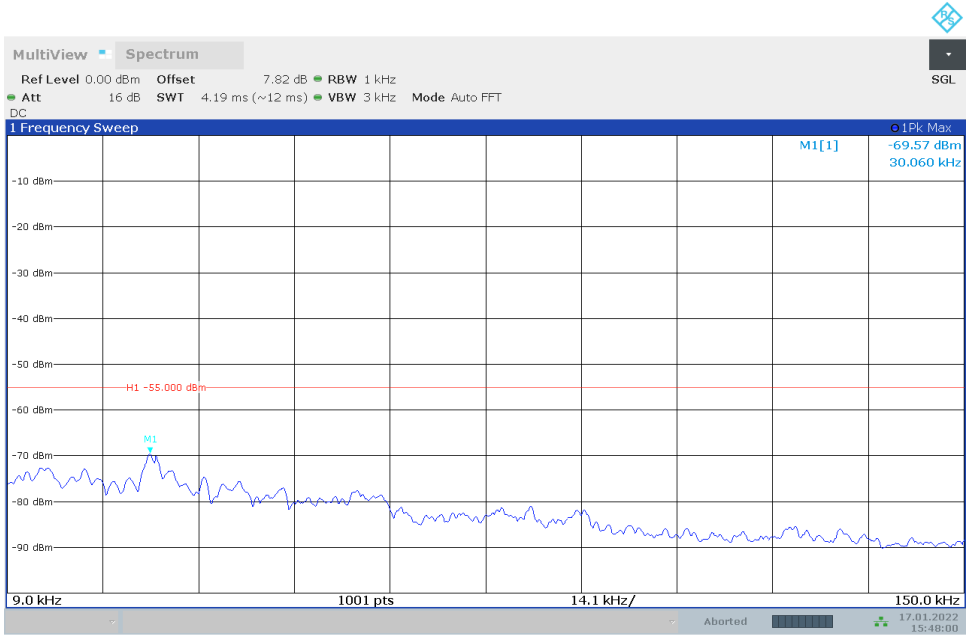


15:44:45 17.01.2022

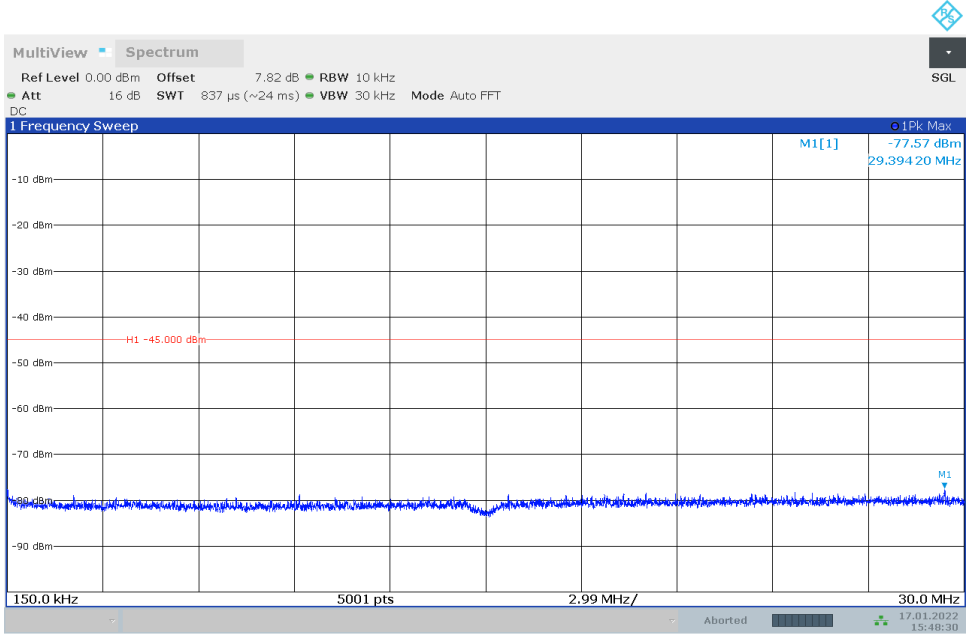


09:44:06 20.02.2022

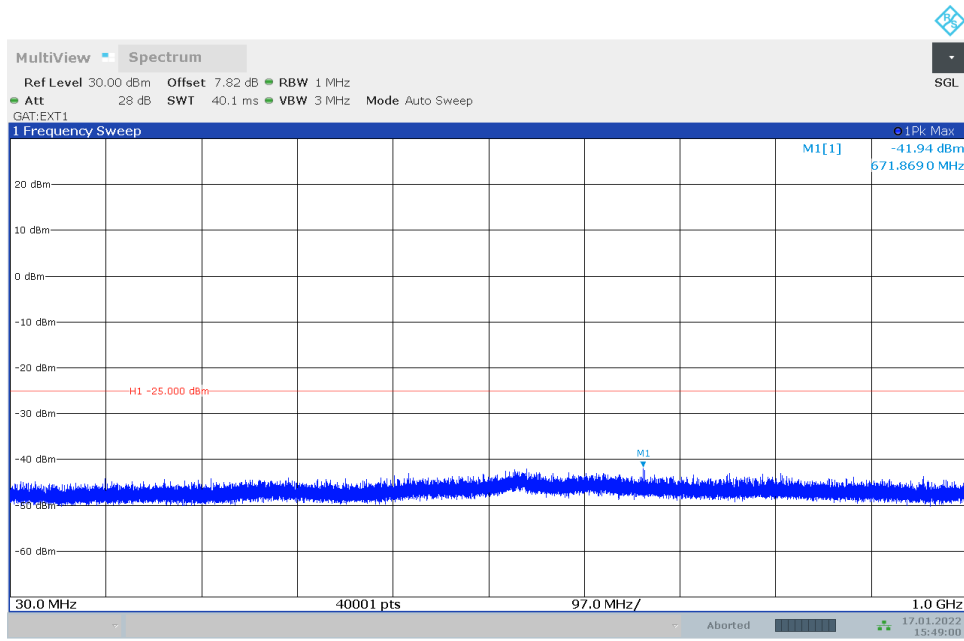
6.2.35 BAND 38_TM2_20MHZ_HCH_RB1#99



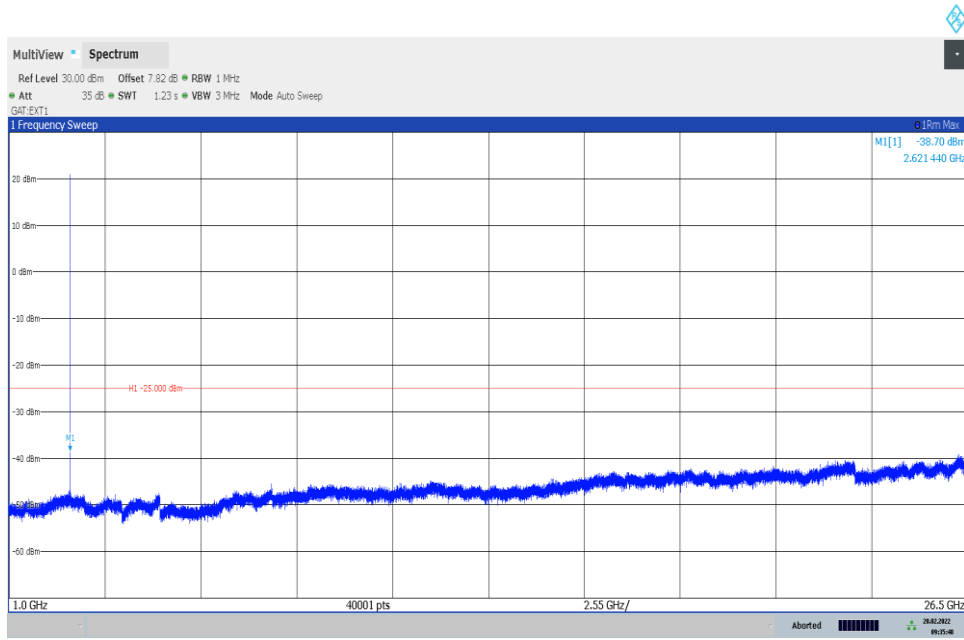
15:48:00 17.01.2022



15:48:30 17.01.2022

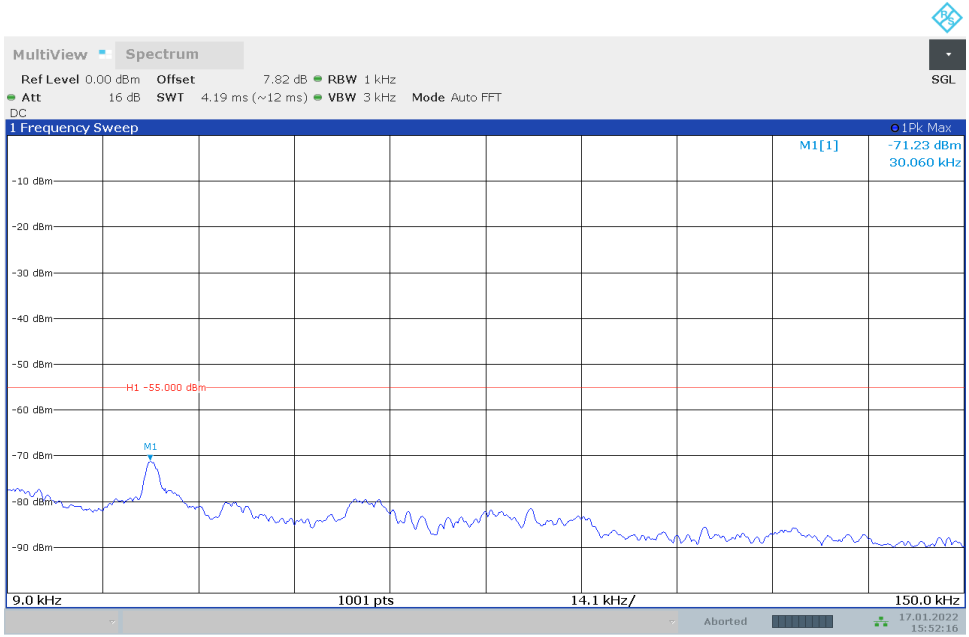


15:49:00 17.01.2022

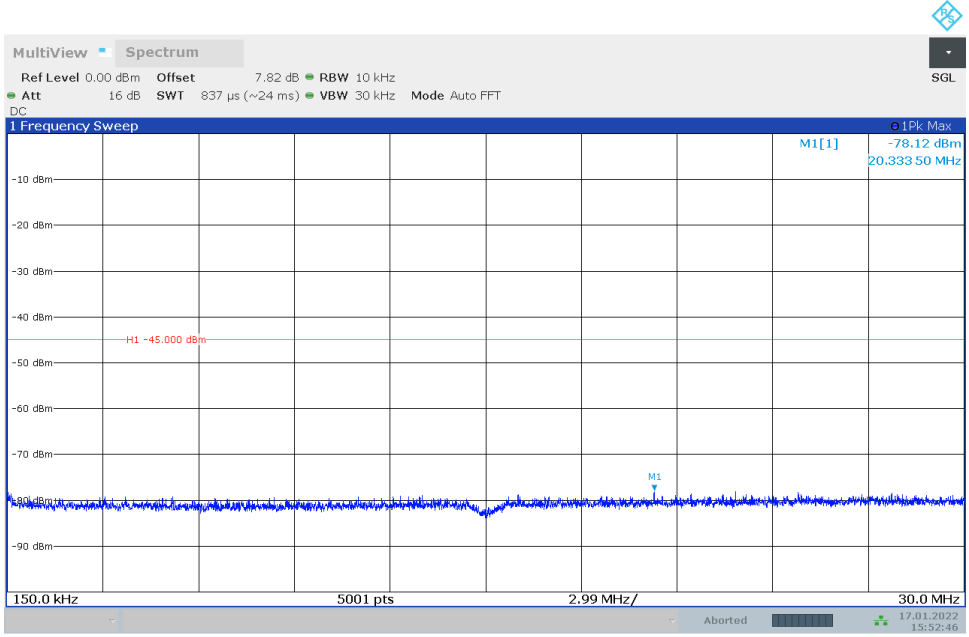


09:35:08 20.02.2022

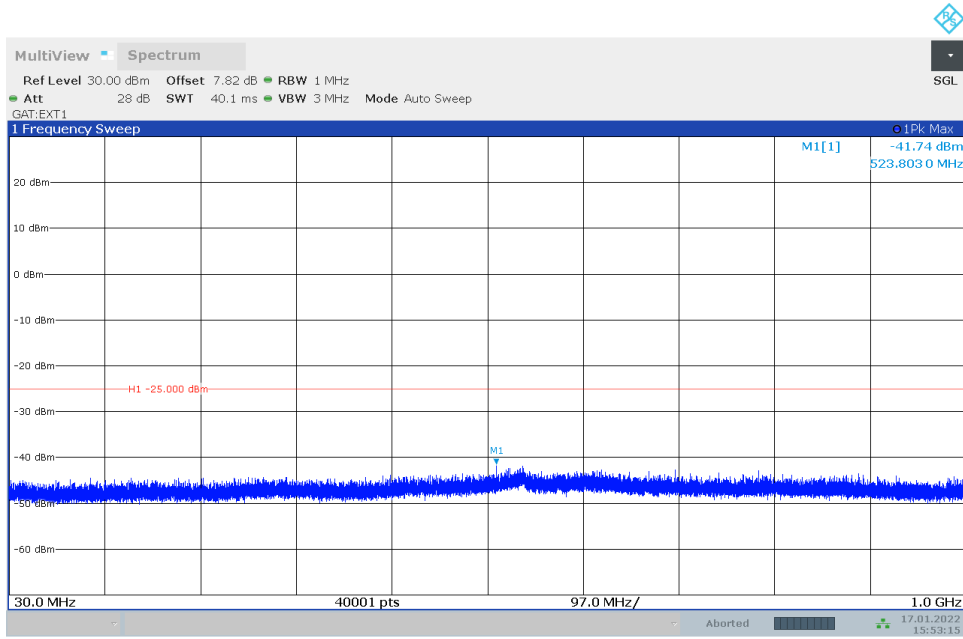
6.2.36 BAND 38_TM2_20MHZ_HCH_RB100#0



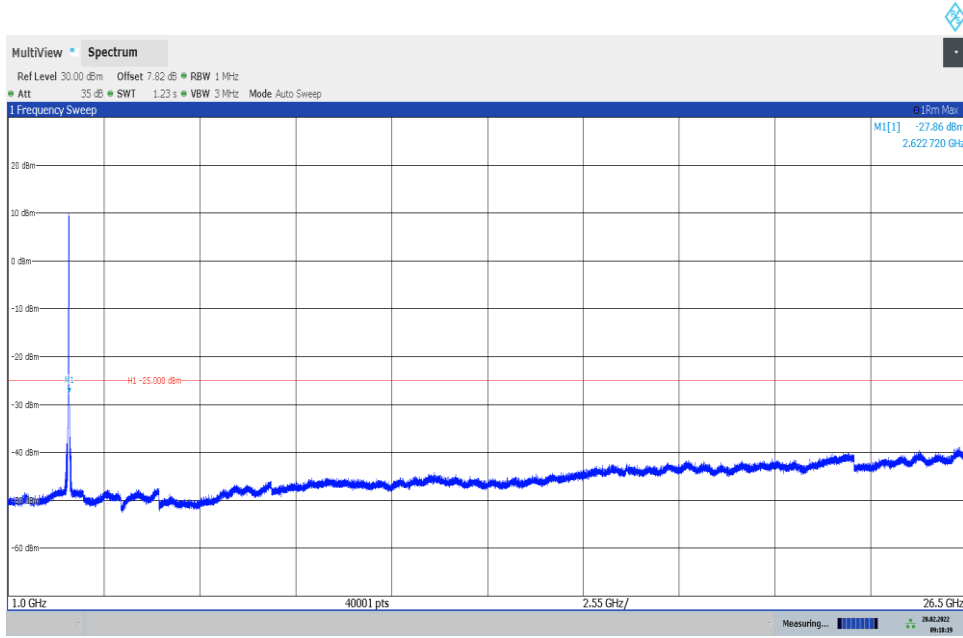
15:52:16 17.01.2022



15:52:46 17.01.2022



15:53:16 17.01.2022



09:18:20 20.02.2022

7. APPENDIX G - FREQUENCY STABILITY

7.1 TEST RESULTS

7.1.1 FREQUENCY ERROR VS. VOLTAGE

Frequency Error vs. Voltage										
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
Band 38	TM1	5	LCH	QPSK	TN	VH	-1.702	-0.001	PASS	
				QPSK	TN	VN	-11.569	-0.004	PASS	
				QPSK	TN	VL	13.499	0.005	PASS	
			HCH	QPSK	TN	VH	1.679	0.001	PASS	
				QPSK	TN	VN	-16.662	-0.006	PASS	
				QPSK	TN	VL	-4.989	-0.002	PASS	
			MCH	QPSK	TN	VH	4.881	0.002	PASS	
				QPSK	TN	VN	-2.881	-0.001	PASS	
				QPSK	TN	VL	-7.564	-0.003	PASS	
			10	LCH	QPSK	TN	VH	4.135	0.002	PASS
					QPSK	TN	VN	7.239	0.003	PASS
					QPSK	TN	VL	-5.168	-0.002	PASS
		HCH		QPSK	TN	VH	1.455	0.001	PASS	
				QPSK	TN	VN	10.72	0.004	PASS	
				QPSK	TN	VL	-7.243	-0.003	PASS	
		MCH		QPSK	TN	VH	-5.998	-0.002	PASS	
				QPSK	TN	VN	-2.358	-0.001	PASS	
				QPSK	TN	VL	-5.501	-0.002	PASS	

Frequency Error vs. Voltage									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM1	15	LCH	QPSK	TN	VH	0.937	0	PASS
				QPSK	TN	VN	0.173	0	PASS
				QPSK	TN	VL	1.149	0	PASS
			HCH	QPSK	TN	VH	4.371	0.002	PASS
				QPSK	TN	VN	-3.994	-0.002	PASS
				QPSK	TN	VL	9.472	0.004	PASS
			MCH	QPSK	TN	VH	1.016	0	PASS
				QPSK	TN	VN	-0.813	0	PASS
				QPSK	TN	VL	-3.929	-0.002	PASS
		20	LCH	QPSK	TN	VH	4.34	0.002	PASS
				QPSK	TN	VN	-5.874	-0.002	PASS
				QPSK	TN	VL	5.06	0.002	PASS
			HCH	QPSK	TN	VH	-3.581	-0.001	PASS
				QPSK	TN	VN	1.758	0.001	PASS
				QPSK	TN	VL	2.007	0.001	PASS
			MCH	QPSK	TN	VH	-5.739	-0.002	PASS
				QPSK	TN	VN	-2.196	-0.001	PASS
				QPSK	TN	VL	4.522	0.002	PASS

Frequency Error vs. Voltage									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM2	5	LCH	16QAM	TN	VH	2.099	0.001	PASS
				16QAM	TN	VN	10.395	0.004	PASS
				16QAM	TN	VL	4.508	0.002	PASS
			HCH	16QAM	TN	VH	-0.045	0	PASS
				16QAM	TN	VN	-10.92	-0.004	PASS
				16QAM	TN	VL	13.886	0.005	PASS
			MCH	16QAM	TN	VH	4.219	0.002	PASS
				16QAM	TN	VN	3.842	0.001	PASS
				16QAM	TN	VL	-15.506	-0.006	PASS
		10	LCH	16QAM	TN	VH	0.17	0	PASS
				16QAM	TN	VN	3.2	0.001	PASS
				16QAM	TN	VL	-12.398	-0.005	PASS
			HCH	16QAM	TN	VH	-4.003	-0.002	PASS
				16QAM	TN	VN	-10.91	-0.004	PASS
				16QAM	TN	VL	-1.397	-0.001	PASS
			MCH	16QAM	TN	VH	14.556	0.006	PASS
				16QAM	TN	VN	-0.986	0	PASS
				16QAM	TN	VL	-9.02	-0.003	PASS
		15	LCH	16QAM	TN	VH	4.556	0.002	PASS
				16QAM	TN	VN	-3.789	-0.001	PASS
				16QAM	TN	VL	1.423	0.001	PASS
			HCH	16QAM	TN	VH	8.4	0.003	PASS
				16QAM	TN	VN	6.603	0.003	PASS
				16QAM	TN	VL	-4.385	-0.002	PASS
			MCH	16QAM	TN	VH	7.683	0.003	PASS
				16QAM	TN	VN	-4.451	-0.002	PASS
				16QAM	TN	VL	3.23	0.001	PASS
		20	LCH	16QAM	TN	VH	7.59	0.003	PASS
				16QAM	TN	VN	5.939	0.002	PASS
				16QAM	TN	VL	2.498	0.001	PASS
			HCH	16QAM	TN	VH	-1.635	-0.001	PASS
				16QAM	TN	VN	-2.909	-0.001	PASS
				16QAM	TN	VL	3.715	0.001	PASS
			MCH	16QAM	TN	VH	-8.091	-0.003	PASS
				16QAM	TN	VN	-3.209	-0.001	PASS
				16QAM	TN	VL	6.682	0.003	PASS

7.1.2 FREQUENCY ERROR VS. TEMPERATURE

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM1	5	LCH	QPSK	VN	-30	-5.051	-0.002	PASS
				QPSK	VN	-20	-18.169	-0.007	PASS
				QPSK	VN	-10	3.574	0.001	PASS
				QPSK	VN	0	-2.043	-0.001	PASS
				QPSK	VN	10	-7.583	-0.003	PASS
				QPSK	VN	20	-1.726	-0.001	PASS
				QPSK	VN	30	10.293	0.004	PASS
				QPSK	VN	40	0.376	0	PASS
			HCH	QPSK	VN	50	5.622	0.002	PASS
				QPSK	VN	-30	24.574	0.009	PASS
				QPSK	VN	-20	-18.725	-0.007	PASS
				QPSK	VN	-10	12.054	0.005	PASS
				QPSK	VN	0	1.045	0	PASS
				QPSK	VN	10	5.407	0.002	PASS
				QPSK	VN	20	-1.566	-0.001	PASS
				QPSK	VN	30	6.704	0.003	PASS
			MCH	QPSK	VN	40	-0.793	0	PASS
				QPSK	VN	50	9.169	0.004	PASS
				QPSK	VN	-30	1.814	0.001	PASS
				QPSK	VN	-20	-3.943	-0.002	PASS
				QPSK	VN	-10	-15.929	-0.006	PASS
				QPSK	VN	0	7.357	0.003	PASS
				QPSK	VN	10	-3.869	-0.001	PASS
				QPSK	VN	20	17.308	0.007	PASS
			QPSK	VN	30	-15.164	-0.006	PASS	
			QPSK	VN	40	-10.634	-0.004	PASS	
			QPSK	VN	50	0.905	0	PASS	

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM1	10	LCH	QPSK	VN	-30	2.478	0.001	PASS
				QPSK	VN	-20	0.759	0	PASS
				QPSK	VN	-10	0.473	0	PASS
				QPSK	VN	0	-9.594	-0.004	PASS
				QPSK	VN	10	-5.698	-0.002	PASS
				QPSK	VN	20	-0.962	0	PASS
				QPSK	VN	30	5.483	0.002	PASS
				QPSK	VN	40	-0.815	0	PASS
				QPSK	VN	50	-1.326	-0.001	PASS
			HCH	QPSK	VN	-30	-4.674	-0.002	PASS
				QPSK	VN	-20	10.376	0.004	PASS
				QPSK	VN	-10	-17.684	-0.007	PASS
				QPSK	VN	0	5.695	0.002	PASS
				QPSK	VN	10	6.322	0.002	PASS
				QPSK	VN	20	-7.6	-0.003	PASS
				QPSK	VN	30	-3.773	-0.001	PASS
				QPSK	VN	40	6.448	0.002	PASS
				QPSK	VN	50	3.61	0.001	PASS
			MCH	QPSK	VN	-30	-7.871	-0.003	PASS
				QPSK	VN	-20	-0.492	0	PASS
				QPSK	VN	-10	2.676	0.001	PASS
				QPSK	VN	0	-8.346	-0.003	PASS
				QPSK	VN	10	-3.58	-0.001	PASS
				QPSK	VN	20	-8.651	-0.003	PASS
				QPSK	VN	30	-5.644	-0.002	PASS
				QPSK	VN	40	0.648	0	PASS
				QPSK	VN	50	1.984	0.001	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM1	15	LCH	QPSK	VN	-30	2.22	0.001	PASS
				QPSK	VN	-20	-11.394	-0.004	PASS
				QPSK	VN	-10	9.404	0.004	PASS
				QPSK	VN	0	3.191	0.001	PASS
				QPSK	VN	10	3.047	0.001	PASS
				QPSK	VN	20	2.859	0.001	PASS
				QPSK	VN	30	-0.535	0	PASS
				QPSK	VN	40	-5.123	-0.002	PASS
				QPSK	VN	50	-0.883	0	PASS
			HCH	QPSK	VN	-30	-0.839	0	PASS
				QPSK	VN	-20	-8.091	-0.003	PASS
				QPSK	VN	-10	8.024	0.003	PASS
				QPSK	VN	0	-0.158	0	PASS
				QPSK	VN	10	1.788	0.001	PASS
				QPSK	VN	20	-2.139	-0.001	PASS
				QPSK	VN	30	0.562	0	PASS
				QPSK	VN	40	3.644	0.001	PASS
				QPSK	VN	50	-3.859	-0.001	PASS
			MCH	QPSK	VN	-30	-0.332	0	PASS
				QPSK	VN	-20	7.193	0.003	PASS
				QPSK	VN	-10	-1.403	-0.001	PASS
				QPSK	VN	0	3.645	0.001	PASS
				QPSK	VN	10	-11.744	-0.004	PASS
				QPSK	VN	20	13.415	0.005	PASS
				QPSK	VN	30	6.979	0.003	PASS
				QPSK	VN	40	-4.214	-0.002	PASS
				QPSK	VN	50	-4.43	-0.002	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM1	20	LCH	QPSK	VN	-30	-4.175	-0.002	PASS
				QPSK	VN	-20	-1.723	-0.001	PASS
				QPSK	VN	-10	3.024	0.001	PASS
				QPSK	VN	0	0.169	0	PASS
				QPSK	VN	10	10.142	0.004	PASS
				QPSK	VN	20	0.479	0	PASS
				QPSK	VN	30	-0.942	0	PASS
				QPSK	VN	40	3	0.001	PASS
				QPSK	VN	50	-11.218	-0.004	PASS
			HCH	QPSK	VN	-30	-0.922	0	PASS
				QPSK	VN	-20	0.828	0	PASS
				QPSK	VN	-10	3.854	0.001	PASS
				QPSK	VN	0	10.108	0.004	PASS
				QPSK	VN	10	6.557	0.003	PASS
				QPSK	VN	20	-4.861	-0.002	PASS
				QPSK	VN	30	3.583	0.001	PASS
				QPSK	VN	40	-5.233	-0.002	PASS
				QPSK	VN	50	-0.334	0	PASS
			MCH	QPSK	VN	-30	-0.553	0	PASS
				QPSK	VN	-20	-6.49	-0.002	PASS
				QPSK	VN	-10	-7.044	-0.003	PASS
				QPSK	VN	0	1.257	0	PASS
				QPSK	VN	10	-2.497	-0.001	PASS
				QPSK	VN	20	3.697	0.001	PASS
				QPSK	VN	30	2.63	0.001	PASS
				QPSK	VN	40	-7.31	-0.003	PASS
				QPSK	VN	50	1.422	0.001	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM2	5	LCH	16QAM	VN	-30	-2.794	-0.001	PASS
				16QAM	VN	-20	2.953	0.001	PASS
				16QAM	VN	-10	3.62	0.001	PASS
				16QAM	VN	0	6.245	0.002	PASS
				16QAM	VN	10	-1.162	0	PASS
				16QAM	VN	20	0.651	0	PASS
				16QAM	VN	30	4.587	0.002	PASS
				16QAM	VN	40	-3.71	-0.001	PASS
				16QAM	VN	50	-4.785	-0.002	PASS
			HCH	16QAM	VN	-30	-4.413	-0.002	PASS
				16QAM	VN	-20	-12.414	-0.005	PASS
				16QAM	VN	-10	-5.385	-0.002	PASS
				16QAM	VN	0	-7.149	-0.003	PASS
				16QAM	VN	10	14.918	0.006	PASS
				16QAM	VN	20	-2.089	-0.001	PASS
				16QAM	VN	30	-4.868	-0.002	PASS
				16QAM	VN	40	-6.754	-0.003	PASS
				16QAM	VN	50	6.094	0.002	PASS
			MCH	16QAM	VN	-30	-9.865	-0.004	PASS
				16QAM	VN	-20	14.868	0.006	PASS
				16QAM	VN	-10	2.509	0.001	PASS
				16QAM	VN	0	-8.983	-0.003	PASS
				16QAM	VN	10	-1.785	-0.001	PASS
				16QAM	VN	20	-20.804	-0.008	PASS
				16QAM	VN	30	5.668	0.002	PASS
				16QAM	VN	40	-14.539	-0.006	PASS
				16QAM	VN	50	-6.795	-0.003	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM2	10	LCH	16QAM	VN	-30	-1.115	0	PASS
				16QAM	VN	-20	5.191	0.002	PASS
				16QAM	VN	-10	0.974	0	PASS
				16QAM	VN	0	2.807	0.001	PASS
				16QAM	VN	10	-1.577	-0.001	PASS
				16QAM	VN	20	-2.694	-0.001	PASS
				16QAM	VN	30	-0.353	0	PASS
				16QAM	VN	40	-7.581	-0.003	PASS
				16QAM	VN	50	-3.306	-0.001	PASS
			HCH	16QAM	VN	-30	-16.425	-0.006	PASS
				16QAM	VN	-20	0.443	0	PASS
				16QAM	VN	-10	-7.132	-0.003	PASS
				16QAM	VN	0	12.859	0.005	PASS
				16QAM	VN	10	2.341	0.001	PASS
				16QAM	VN	20	8.282	0.003	PASS
				16QAM	VN	30	-12.609	-0.005	PASS
				16QAM	VN	40	-14.772	-0.006	PASS
				16QAM	VN	50	11.618	0.004	PASS
			MCH	16QAM	VN	-30	-5.436	-0.002	PASS
				16QAM	VN	-20	-2.172	-0.001	PASS
				16QAM	VN	-10	-6.255	-0.002	PASS
				16QAM	VN	0	12.112	0.005	PASS
				16QAM	VN	10	-2.179	-0.001	PASS
				16QAM	VN	20	-5.866	-0.002	PASS
				16QAM	VN	30	-12.103	-0.005	PASS
				16QAM	VN	40	-8.763	-0.003	PASS
				16QAM	VN	50	-3.332	-0.001	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM2	15	LCH	16QAM	VN	-30	6.966	0.003	PASS
				16QAM	VN	-20	-1.258	0	PASS
				16QAM	VN	-10	-17.015	-0.007	PASS
				16QAM	VN	0	3.345	0.001	PASS
				16QAM	VN	10	5.308	0.002	PASS
				16QAM	VN	20	-3.467	-0.001	PASS
				16QAM	VN	30	-13.064	-0.005	PASS
				16QAM	VN	40	2.619	0.001	PASS
				16QAM	VN	50	-1.661	-0.001	PASS
			HCH	16QAM	VN	-30	-7.407	-0.003	PASS
				16QAM	VN	-20	-6.617	-0.003	PASS
				16QAM	VN	-10	10.079	0.004	PASS
				16QAM	VN	0	3.012	0.001	PASS
				16QAM	VN	10	0.446	0	PASS
				16QAM	VN	20	0.36	0	PASS
				16QAM	VN	30	8.494	0.003	PASS
				16QAM	VN	40	-2.527	-0.001	PASS
				16QAM	VN	50	-4.513	-0.002	PASS
			MCH	16QAM	VN	-30	0.4	0	PASS
				16QAM	VN	-20	8.241	0.003	PASS
				16QAM	VN	-10	2.536	0.001	PASS
				16QAM	VN	0	0.757	0	PASS
				16QAM	VN	10	2.138	0.001	PASS
				16QAM	VN	20	5.74	0.002	PASS
				16QAM	VN	30	0.308	0	PASS
				16QAM	VN	40	-8.226	-0.003	PASS
				16QAM	VN	50	-11.381	-0.004	PASS

Frequency Error vs. Temperature									
Test Band	Test Mode	Test Bandwidth	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band 38	TM2	20	LCH	16QAM	VN	-30	-4.282	-0.002	PASS
				16QAM	VN	-20	5.706	0.002	PASS
				16QAM	VN	-10	-7.499	-0.003	PASS
				16QAM	VN	0	-4.848	-0.002	PASS
				16QAM	VN	10	-5.311	-0.002	PASS
				16QAM	VN	20	4.582	0.002	PASS
				16QAM	VN	30	1.16	0	PASS
				16QAM	VN	40	3.615	0.001	PASS
				16QAM	VN	50	1.008	0	PASS
			HCH	16QAM	VN	-30	-3.496	-0.001	PASS
				16QAM	VN	-20	5.294	0.002	PASS
				16QAM	VN	-10	-2.225	-0.001	PASS
				16QAM	VN	0	-3.699	-0.001	PASS
				16QAM	VN	10	2.743	0.001	PASS
				16QAM	VN	20	1.709	0.001	PASS
				16QAM	VN	30	-5.725	-0.002	PASS
				16QAM	VN	40	-2.649	-0.001	PASS
				16QAM	VN	50	1.194	0	PASS
			MCH	16QAM	VN	-30	-1.32	-0.001	PASS
				16QAM	VN	-20	3.247	0.001	PASS
				16QAM	VN	-10	5.038	0.002	PASS
				16QAM	VN	0	5	0.002	PASS
				16QAM	VN	10	0.325	0	PASS
				16QAM	VN	20	0.115	0	PASS
				16QAM	VN	30	2.103	0.001	PASS
				16QAM	VN	40	2.919	0.001	PASS
				16QAM	VN	50	-0.141	0	PASS

End of Test Report