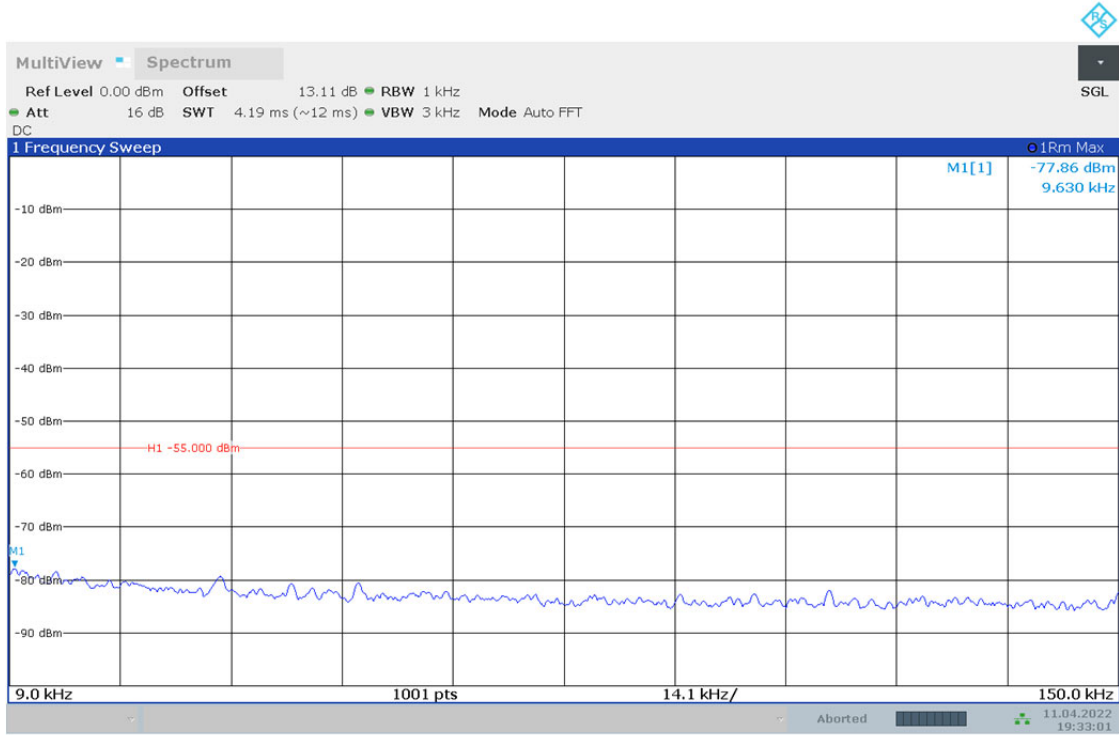
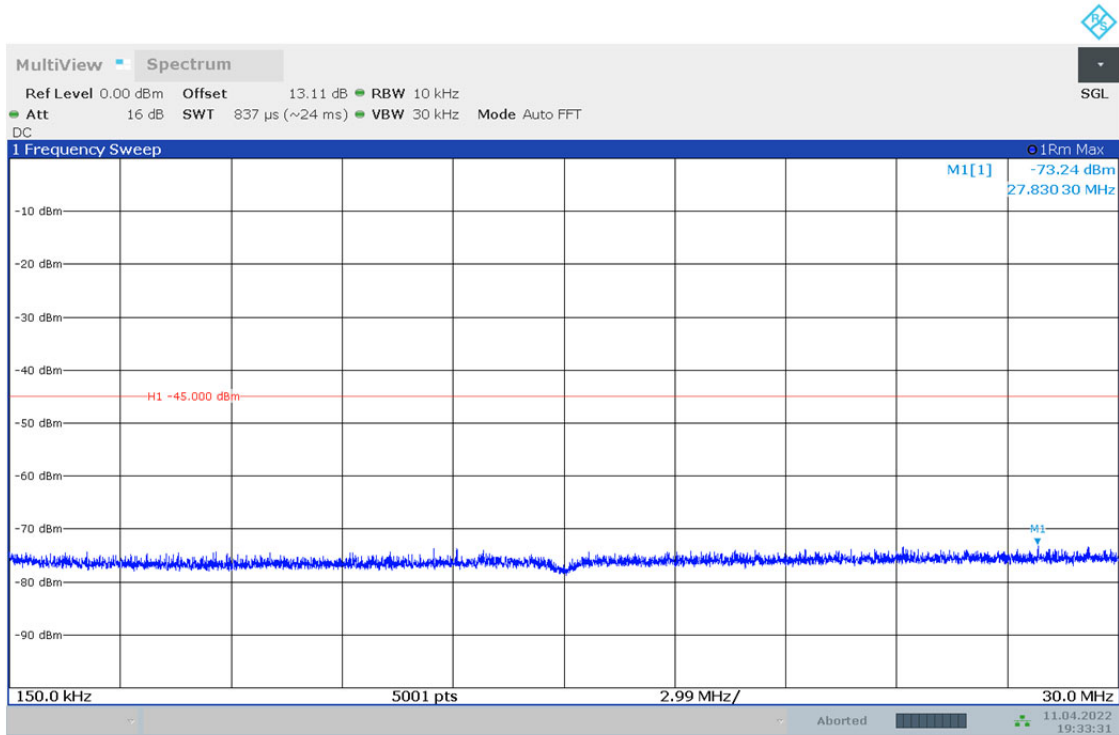


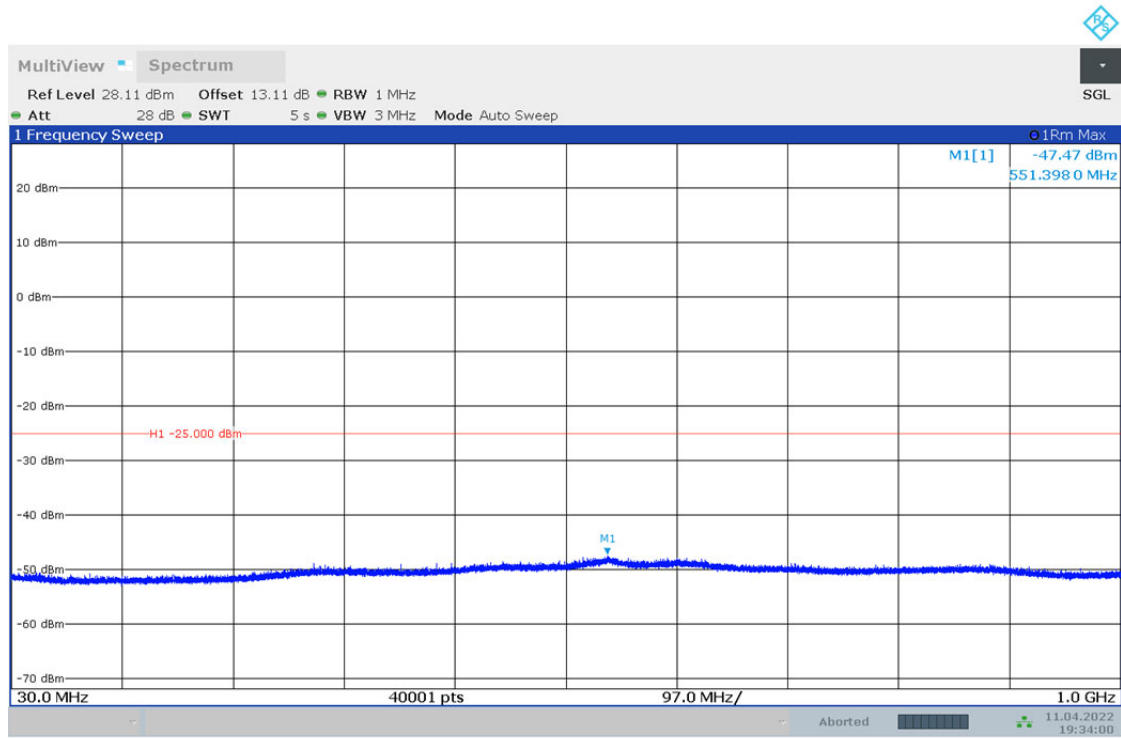
## 6.2.23 TM2\_5MHz\_MCH\_RB1#0



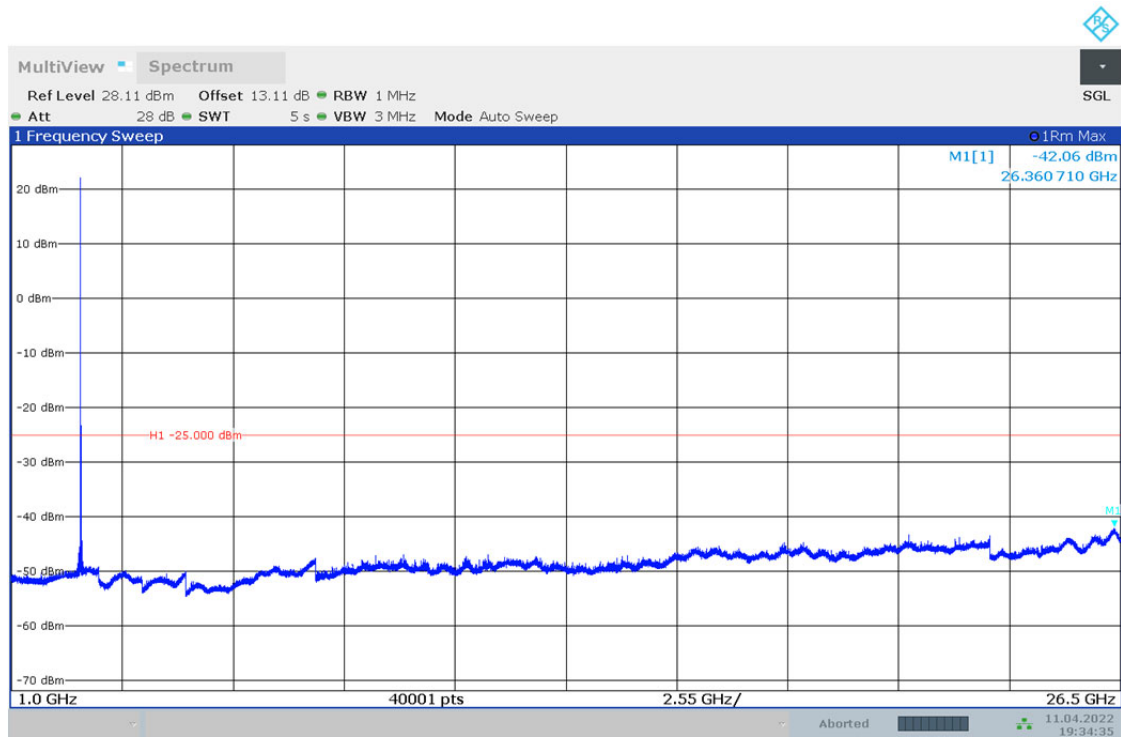
19:33:01 11.04.2022



19:33:31 11.04.2022

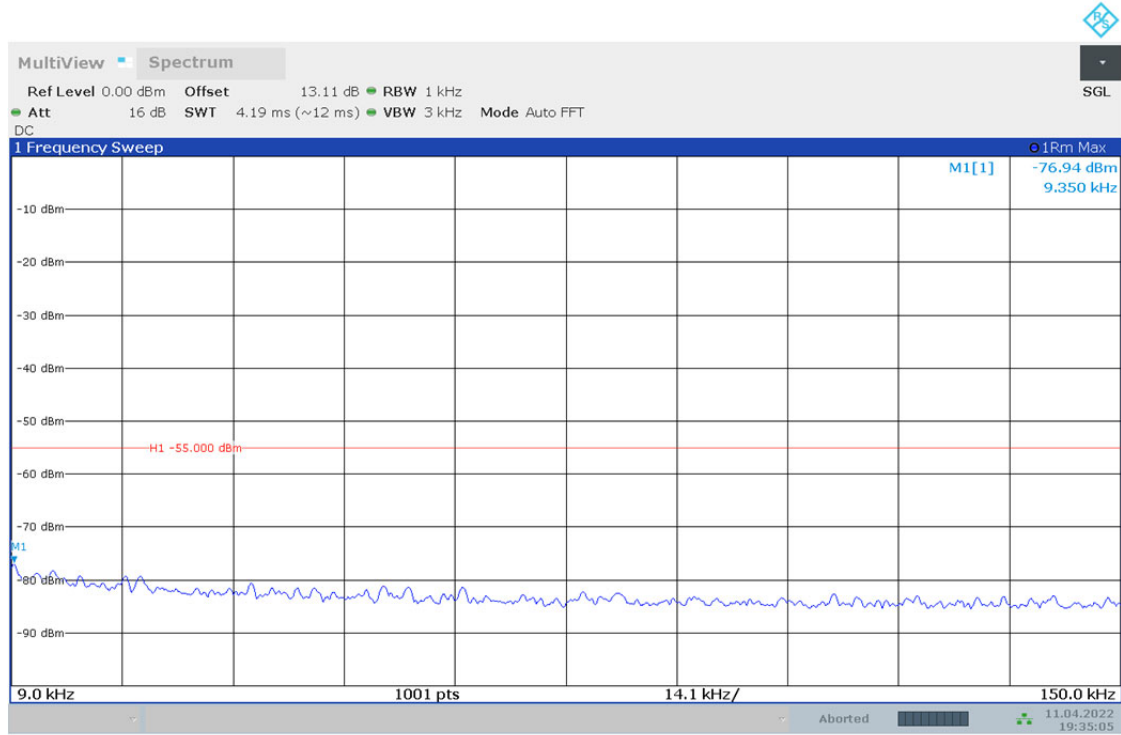


19:34:00 11.04.2022

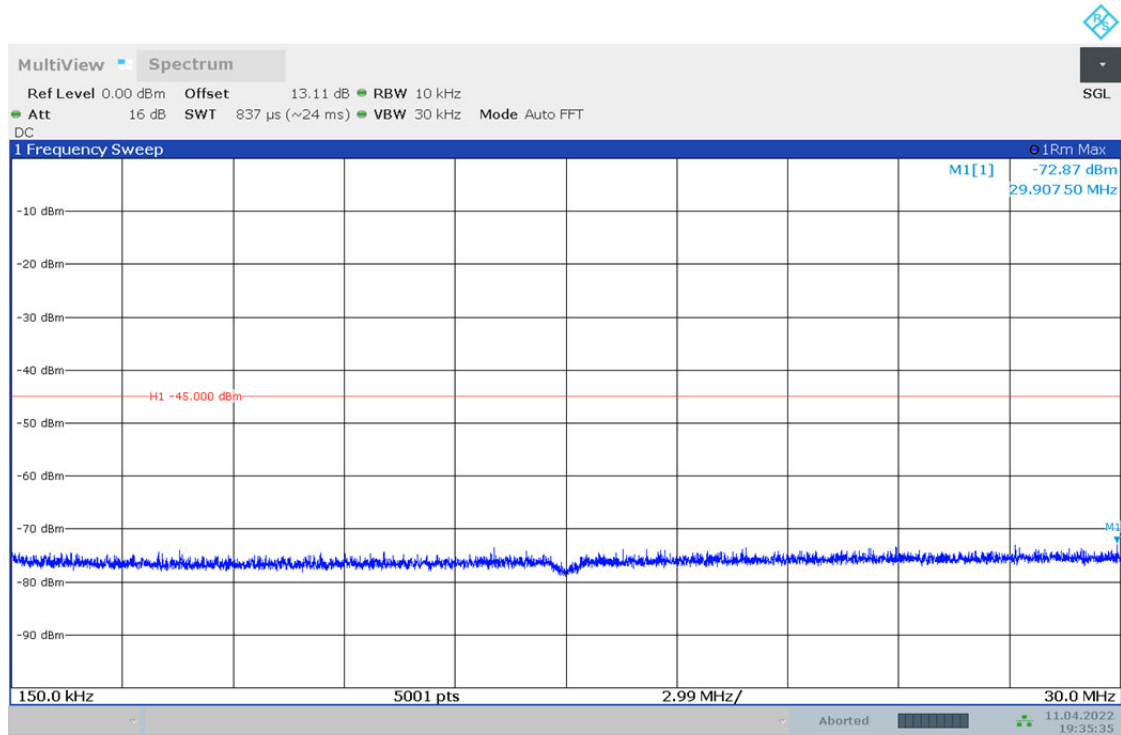


19:34:35 11.04.2022

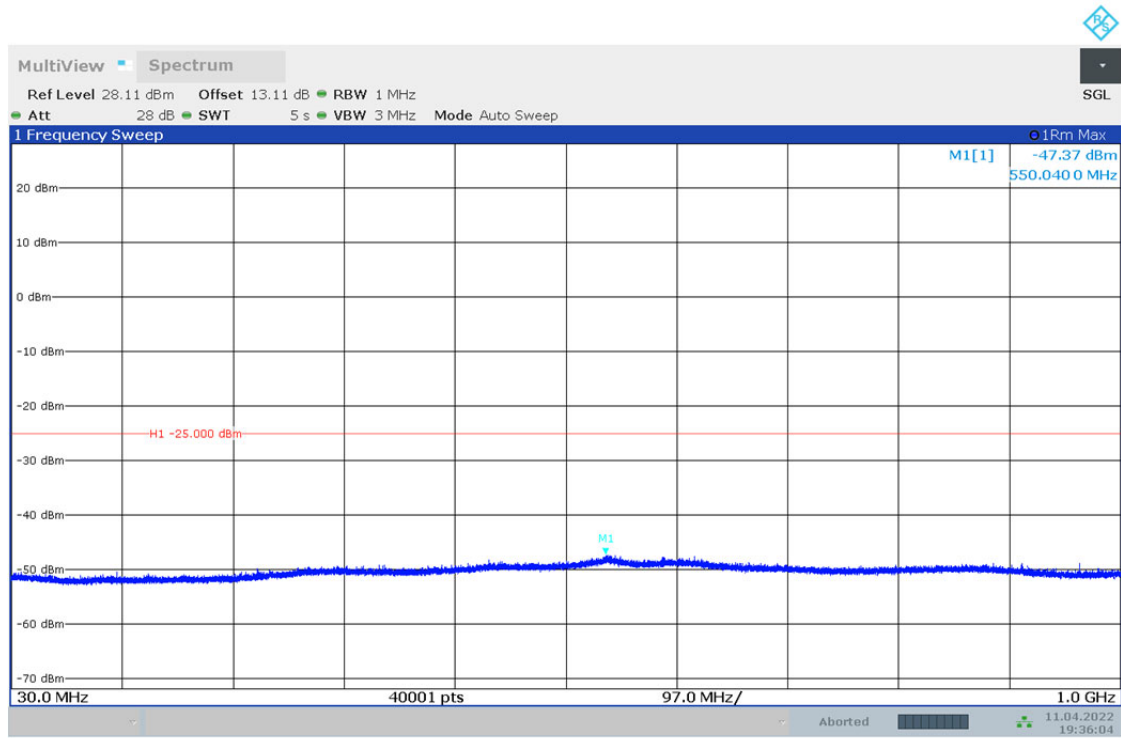
## 6.2.24 TM2\_5MHz\_MCH\_RB1#24



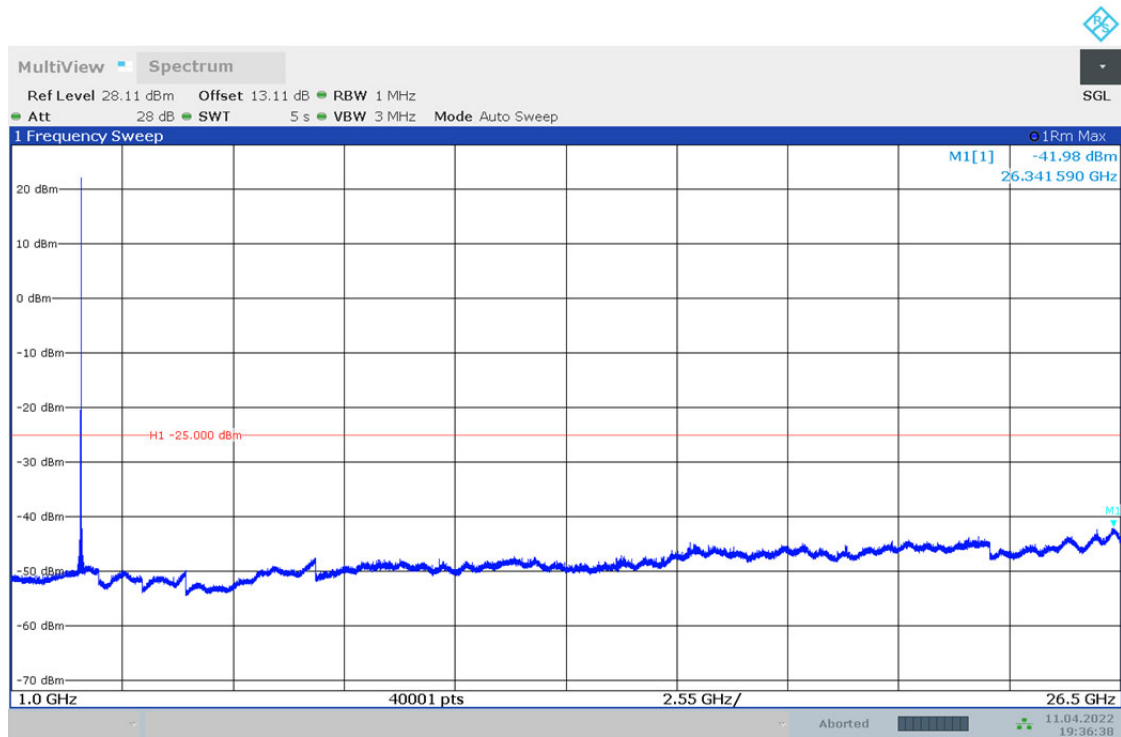
19:35:05 11.04.2022



19:35:35 11.04.2022

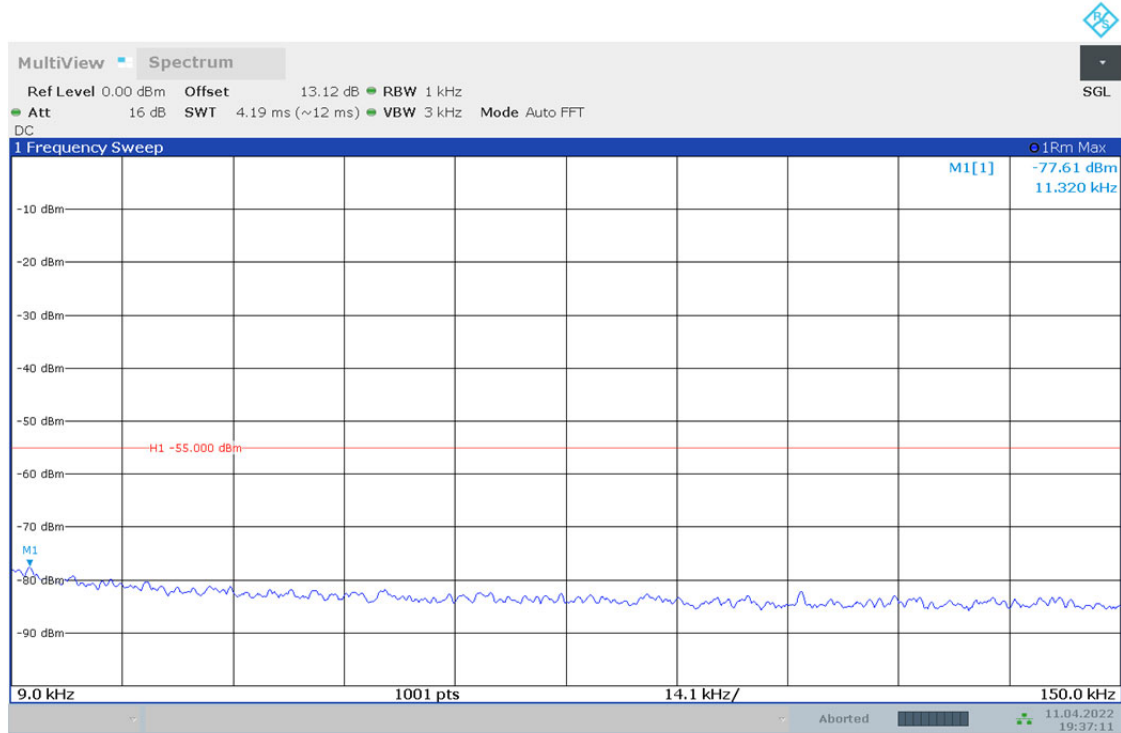


19:36:04 11.04.2022

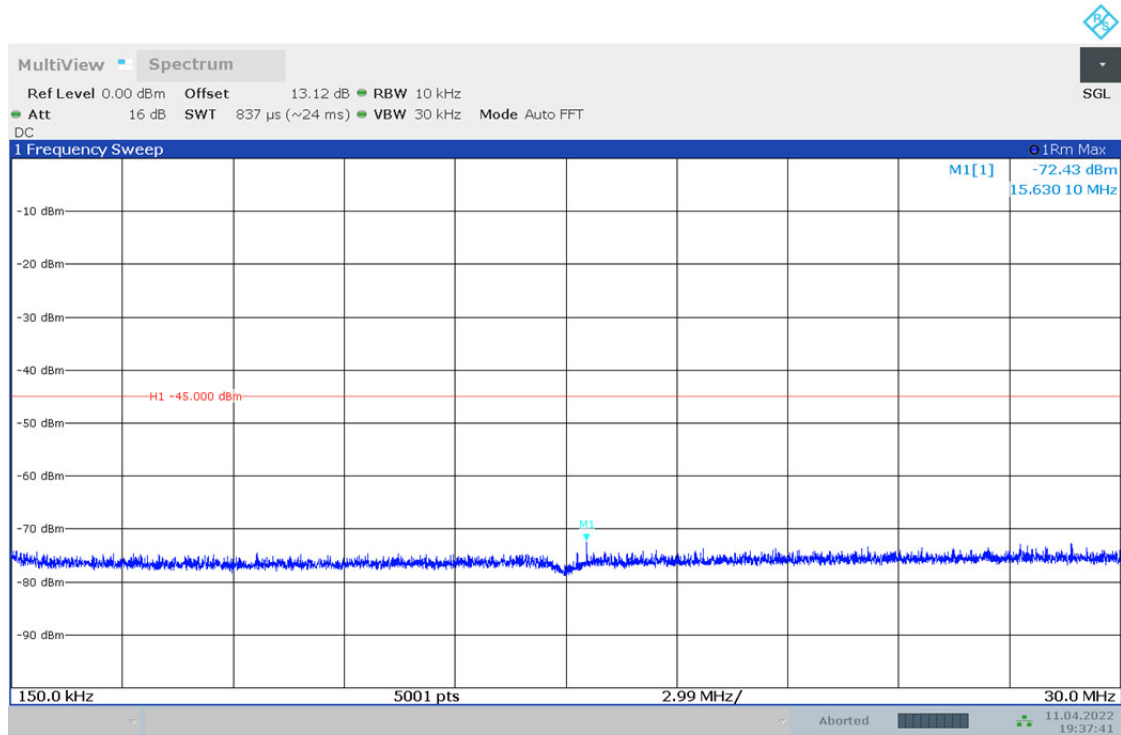


19:36:39 11.04.2022

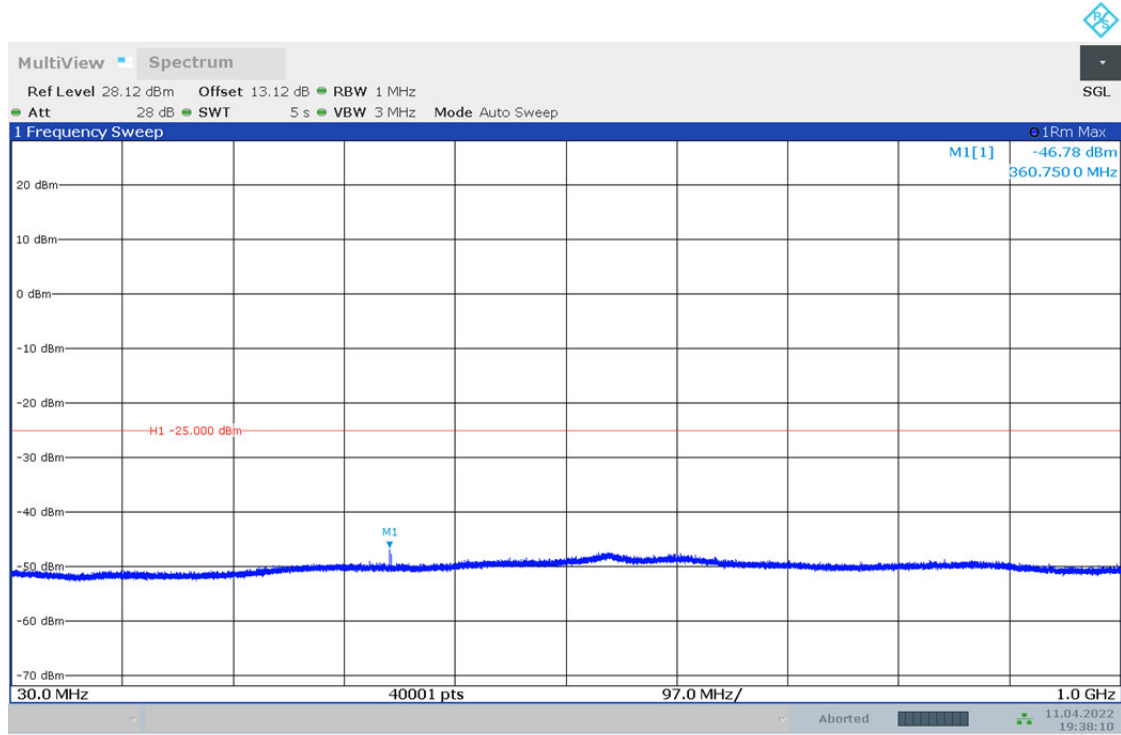
## 6.2.25 TM2\_5MHz\_HCH\_RB25#0



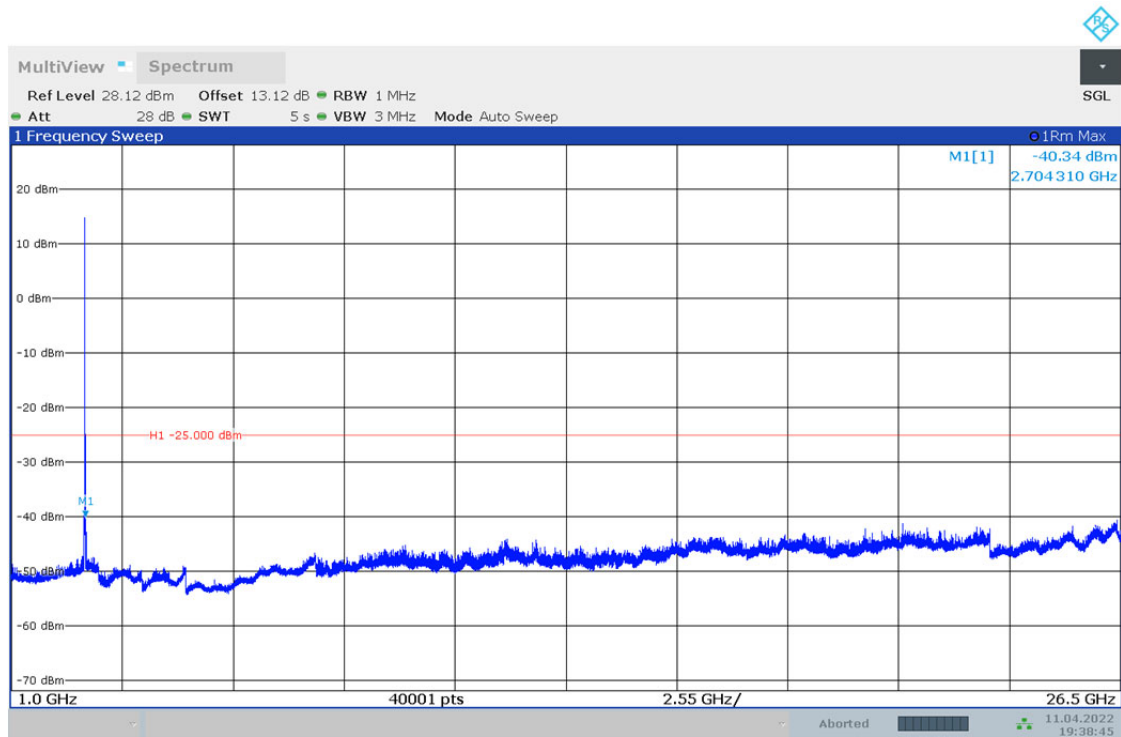
19:37:12 11.04.2022



19:37:41 11.04.2022

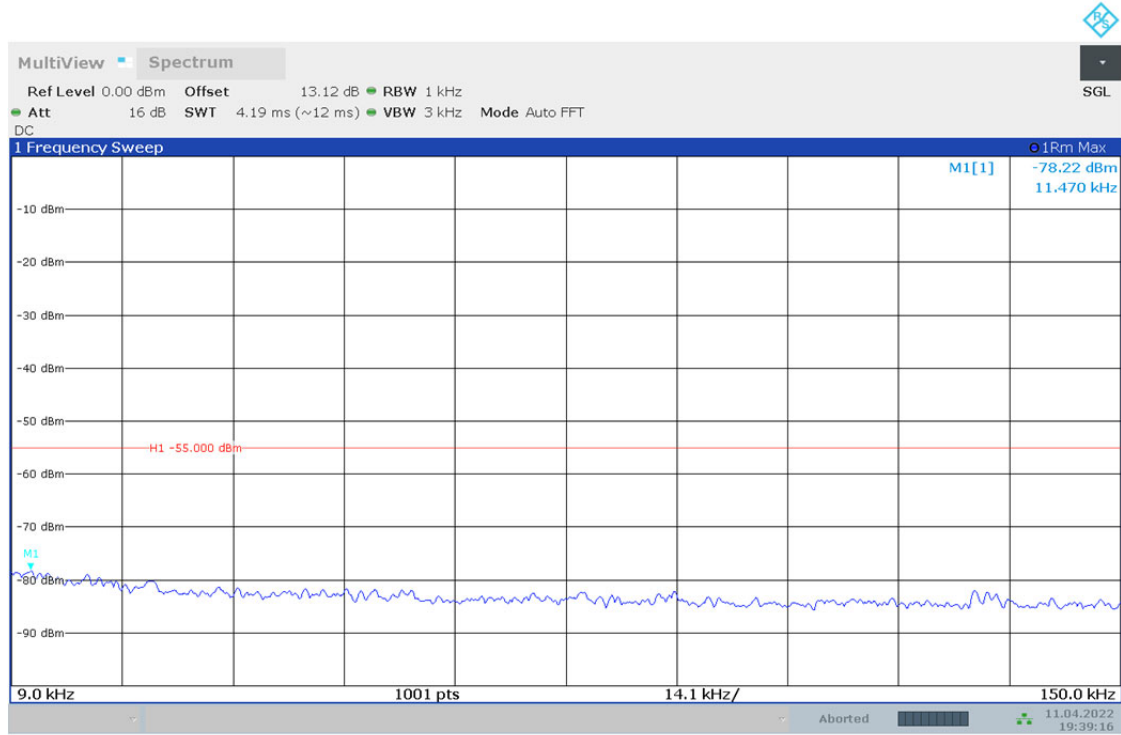


19:38:11 11.04.2022

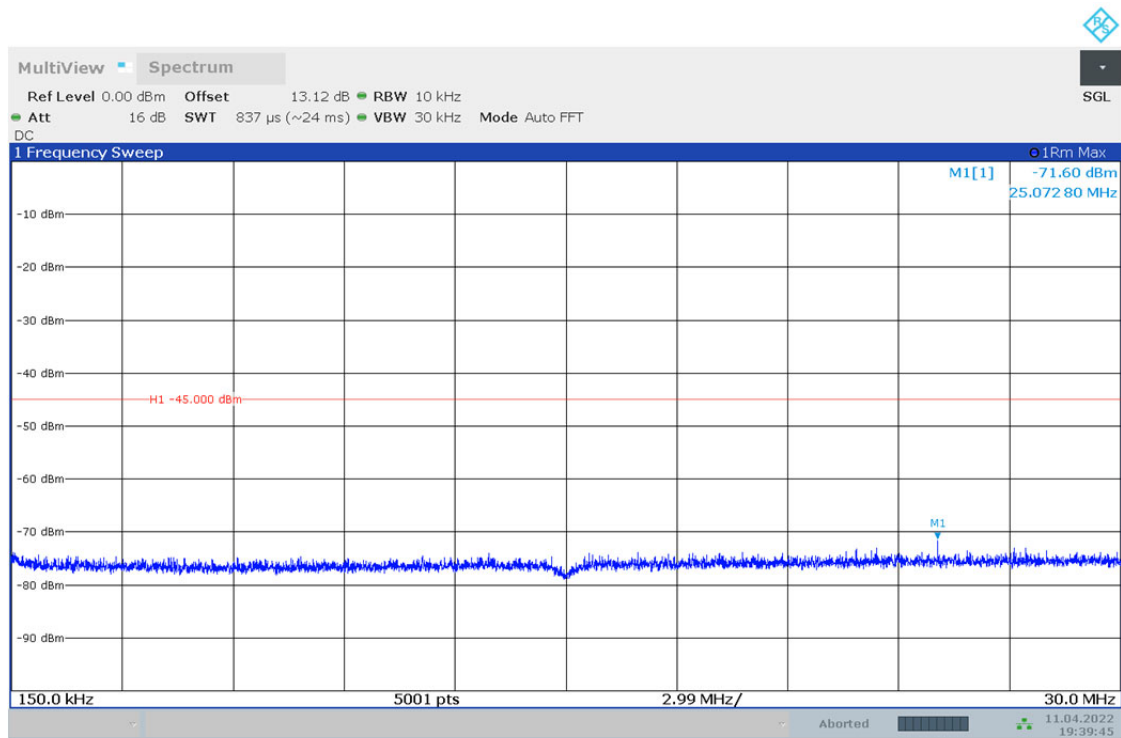


19:38:46 11.04.2022

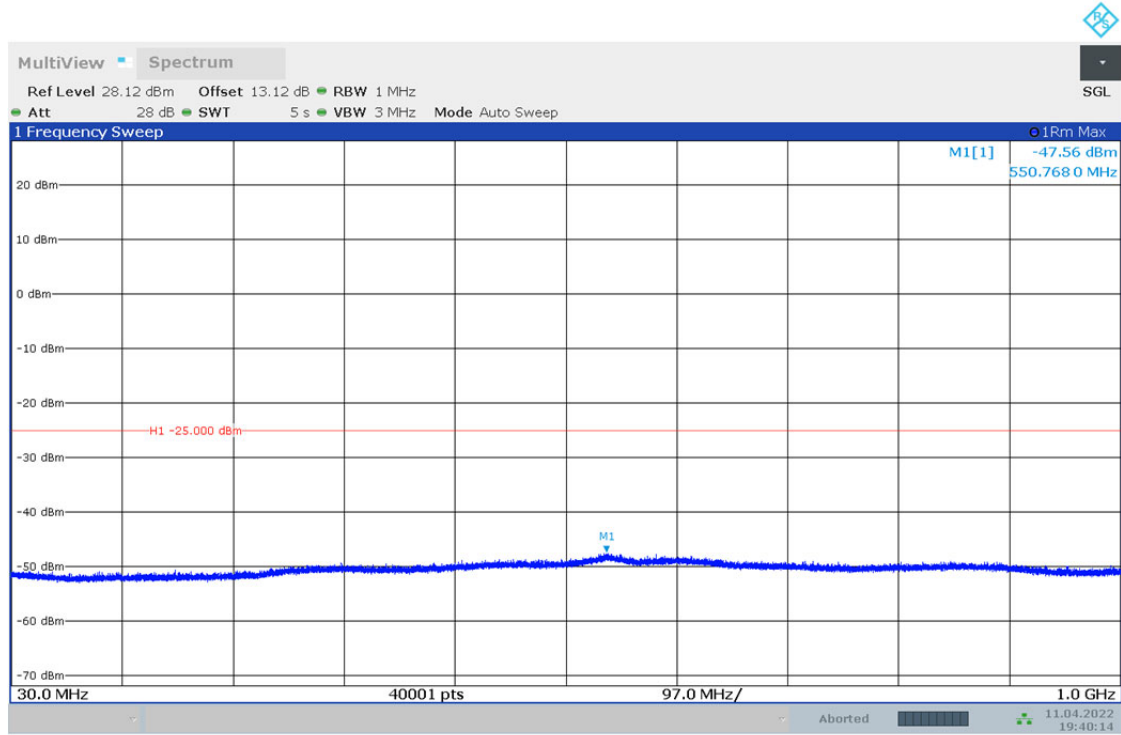
## 6.2.26 TM2\_5MHz\_HCH\_RB1#0



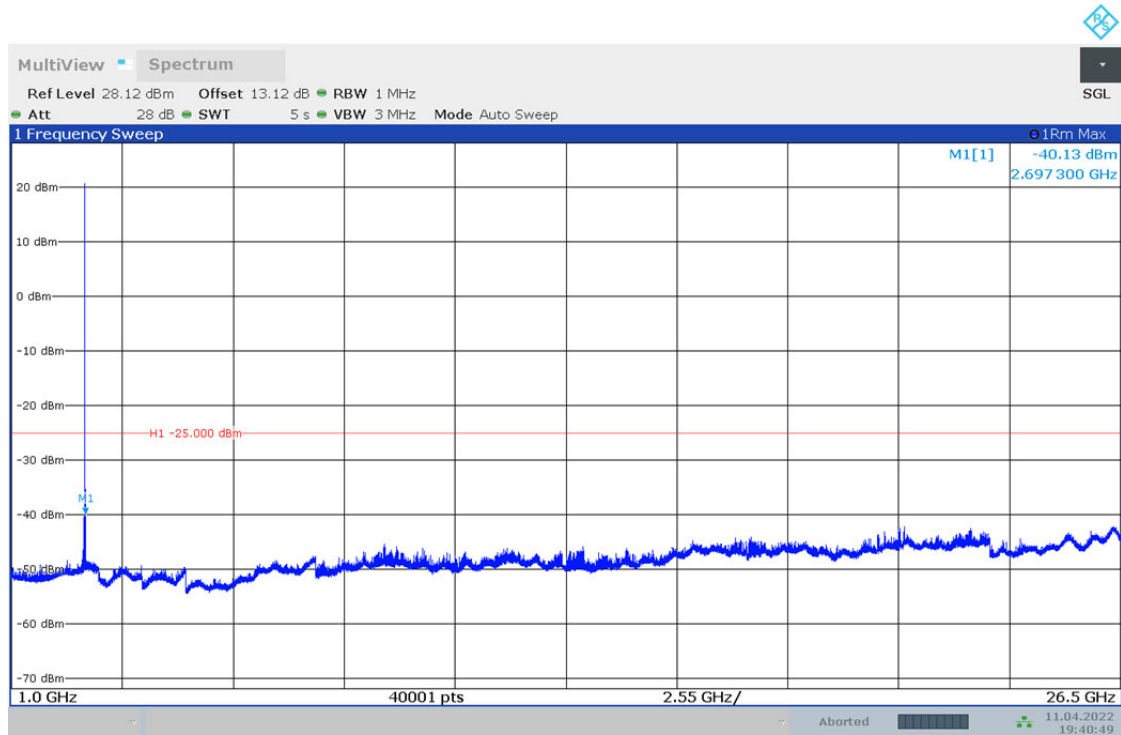
19:39:16 11.04.2022



19:39:46 11.04.2022



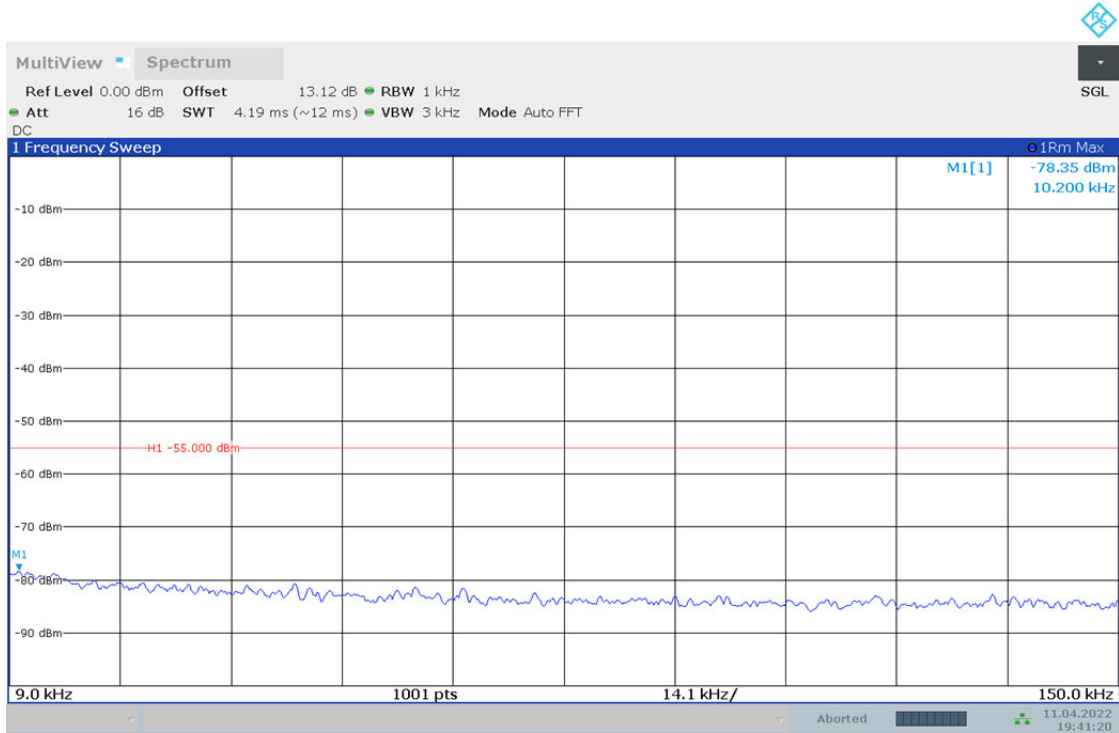
19:40:15 11.04.2022



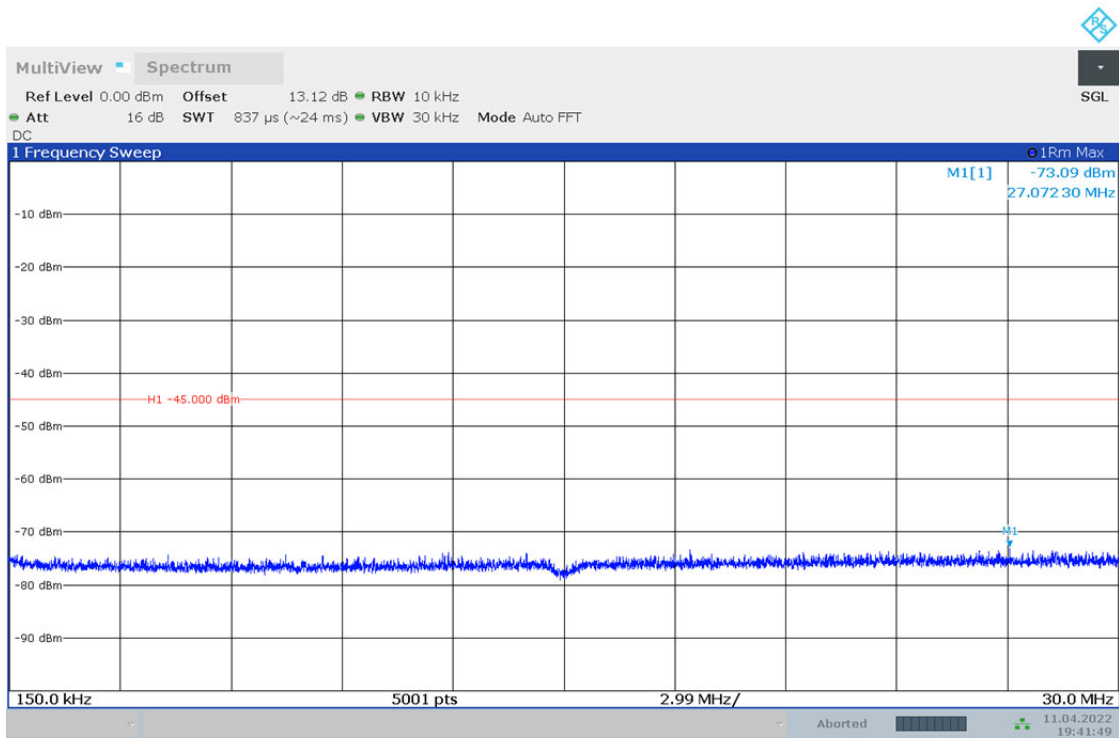
19:40:50 11.04.2022



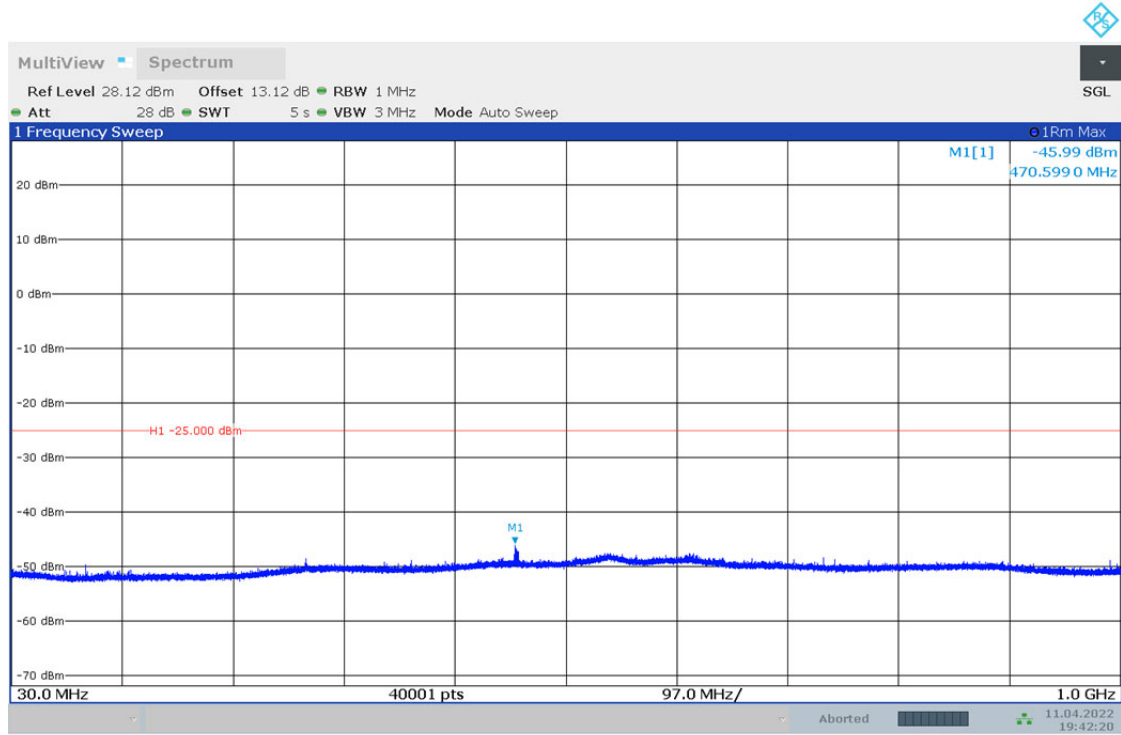
## 6.2.27 TM2\_5MHz\_HCH\_RB1#24



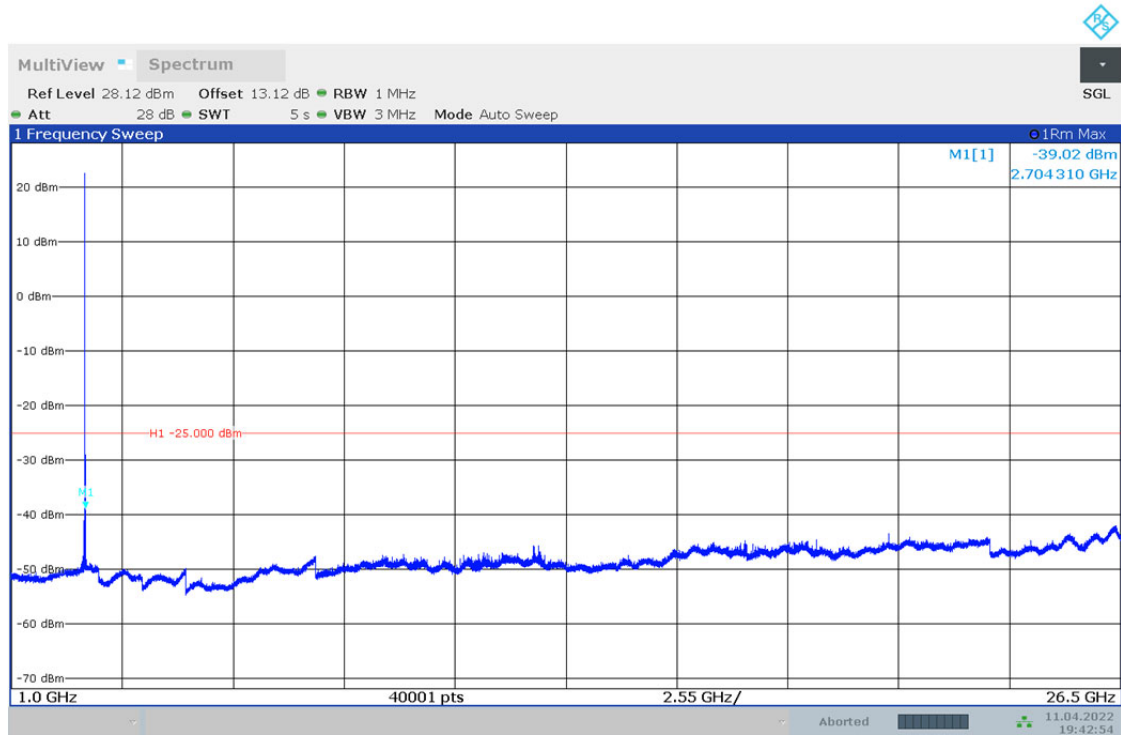
19:41:21 11.04.2022



19:41:50 11.04.2022

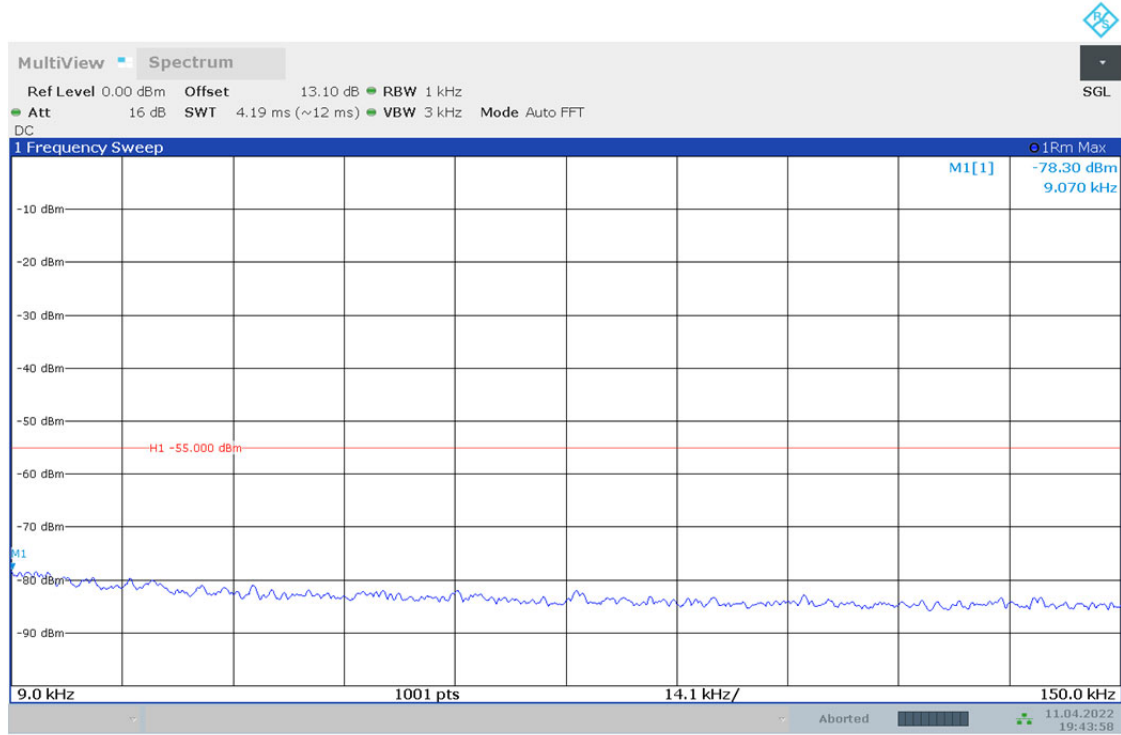


19:42:20 11.04.2022

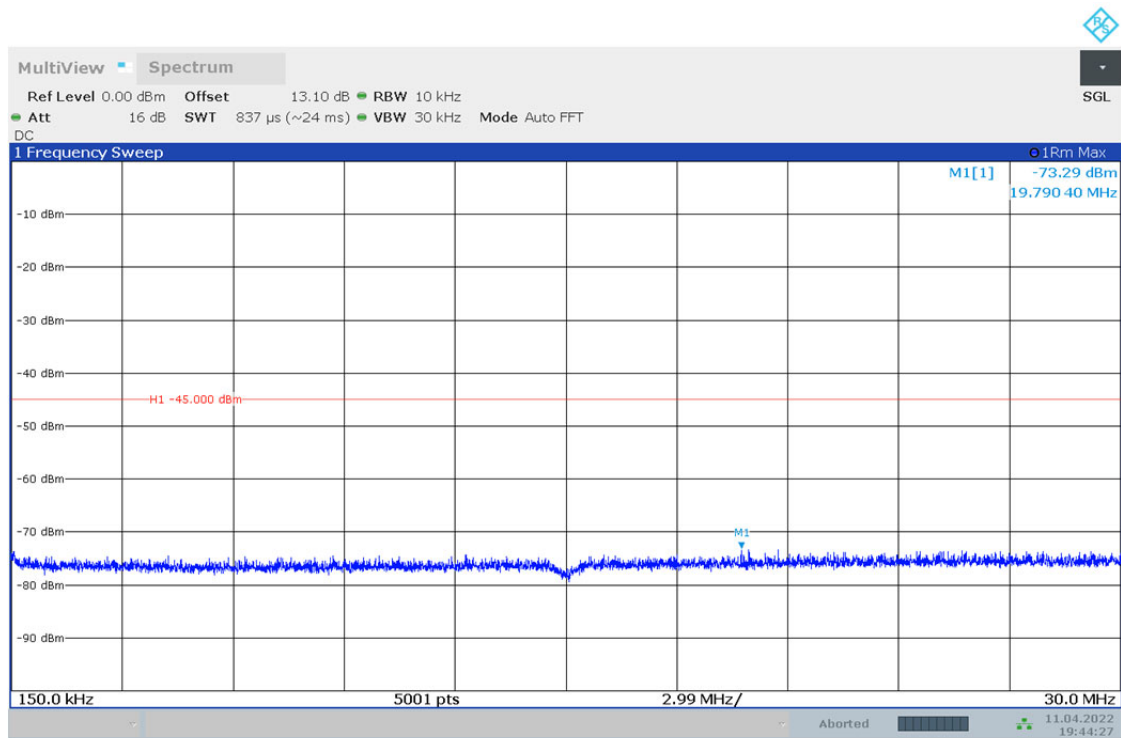


19:42:54 11.04.2022

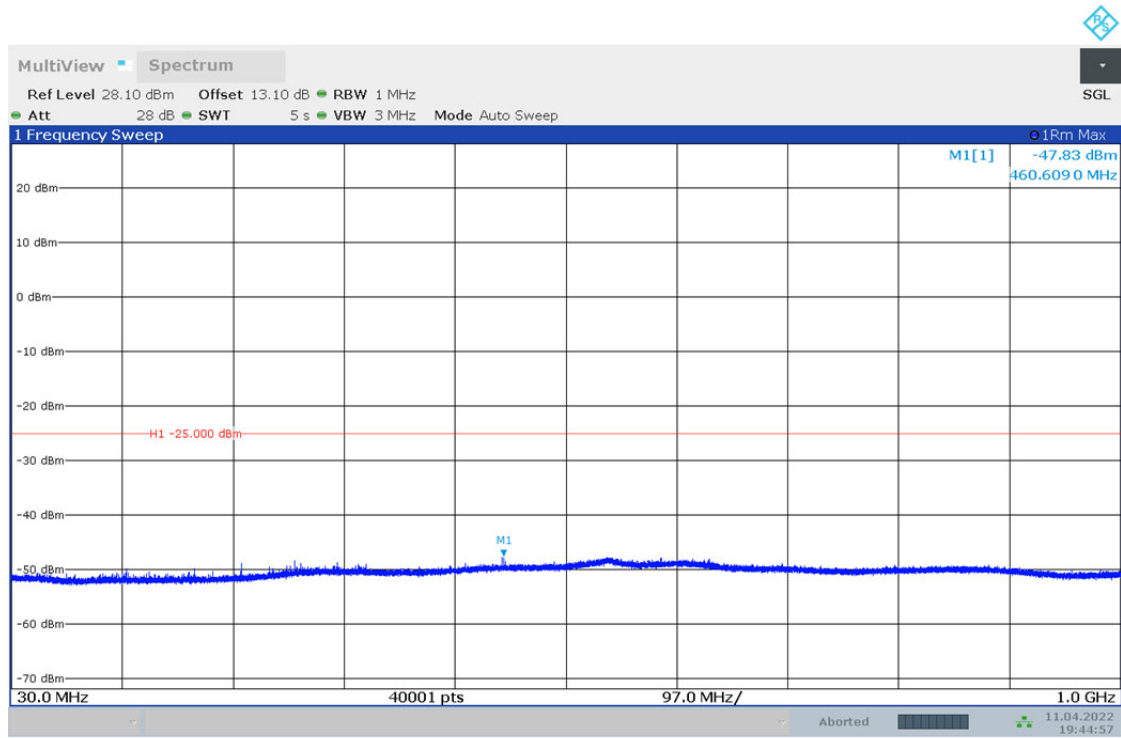
## 6.2.28 TM2\_20MHz\_LCH\_RB100#0



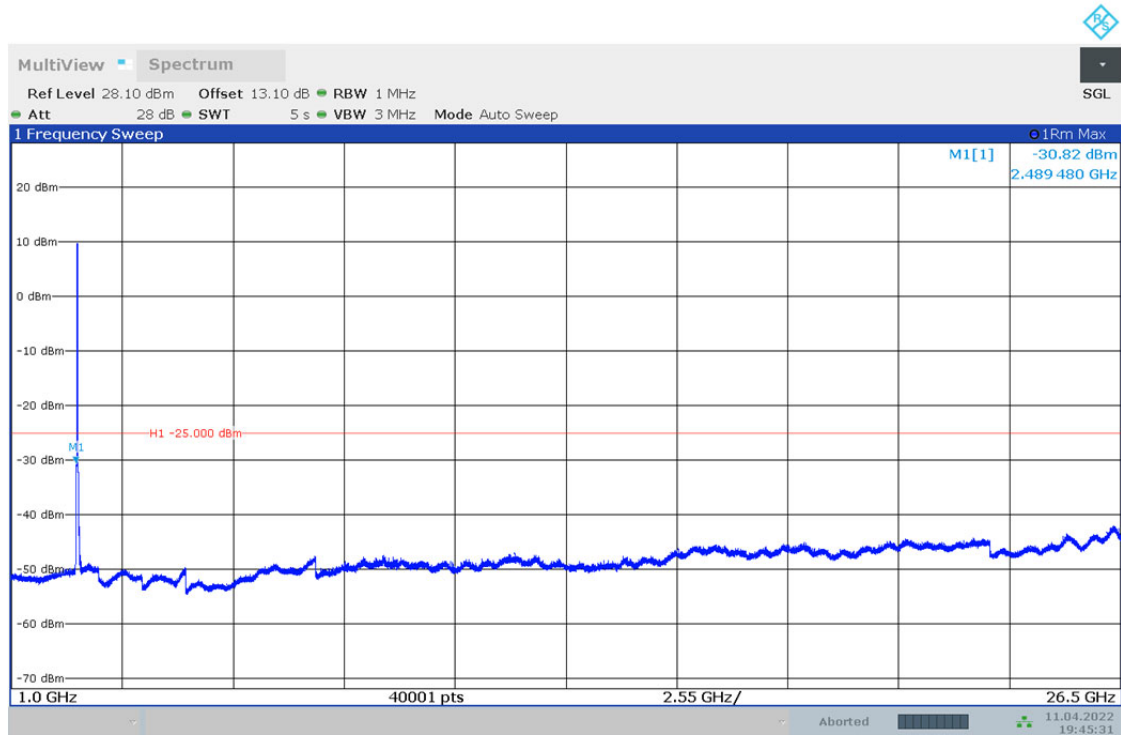
19:43:58 11.04.2022



19:44:27 11.04.2022

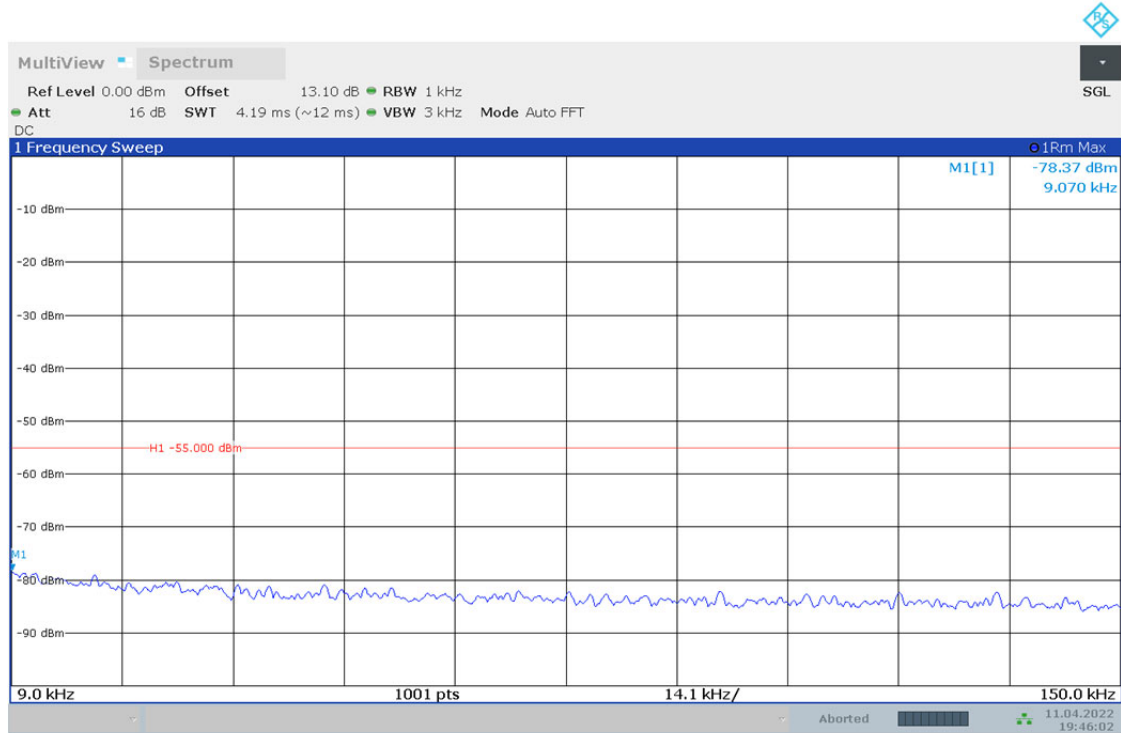


19:44:57 11.04.2022

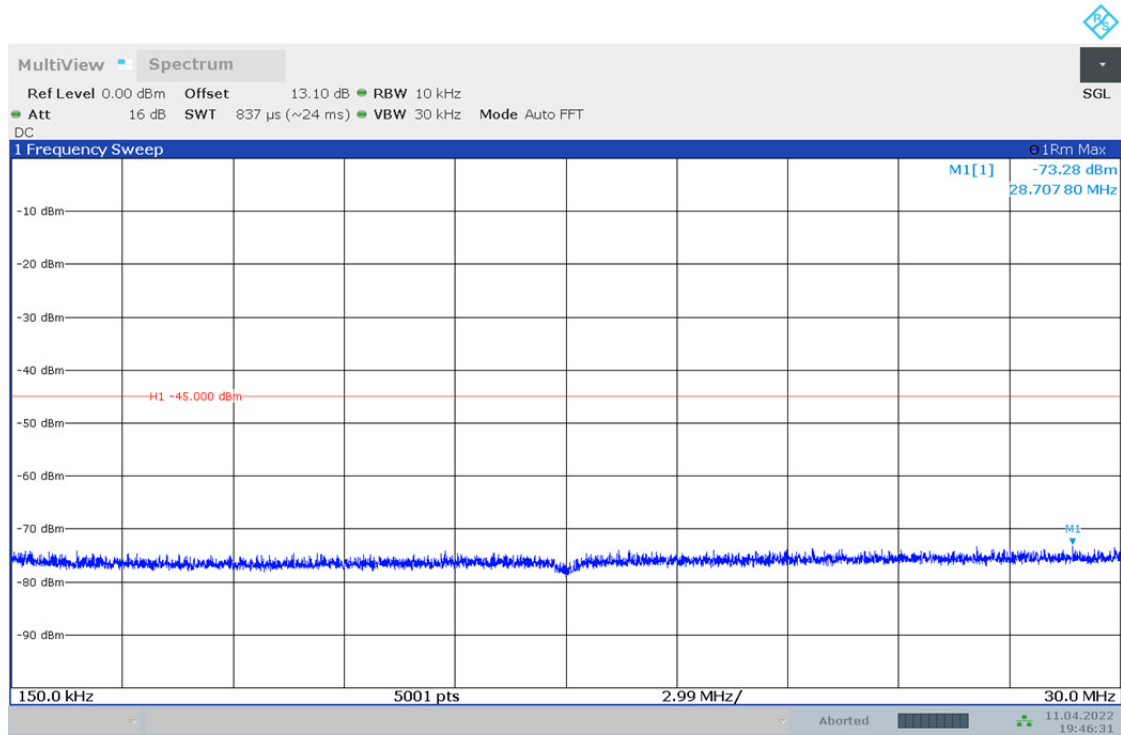


19:45:31 11.04.2022

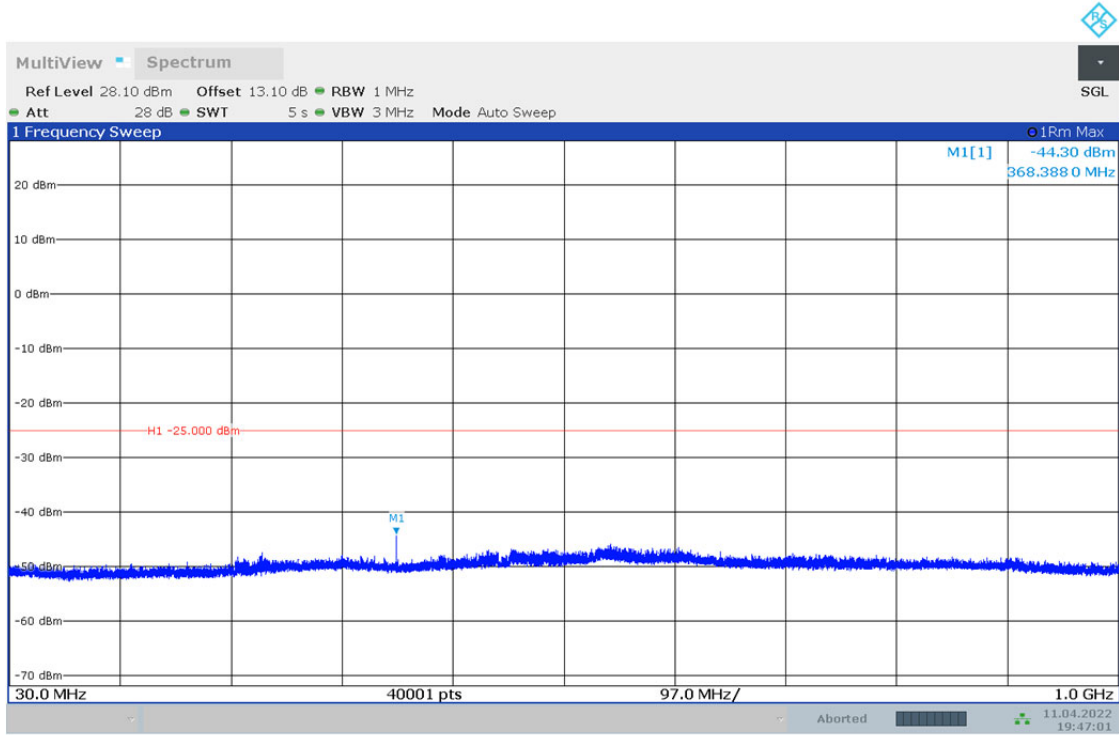
## 6.2.29 TM2\_20MHz\_LCH\_RB1#0



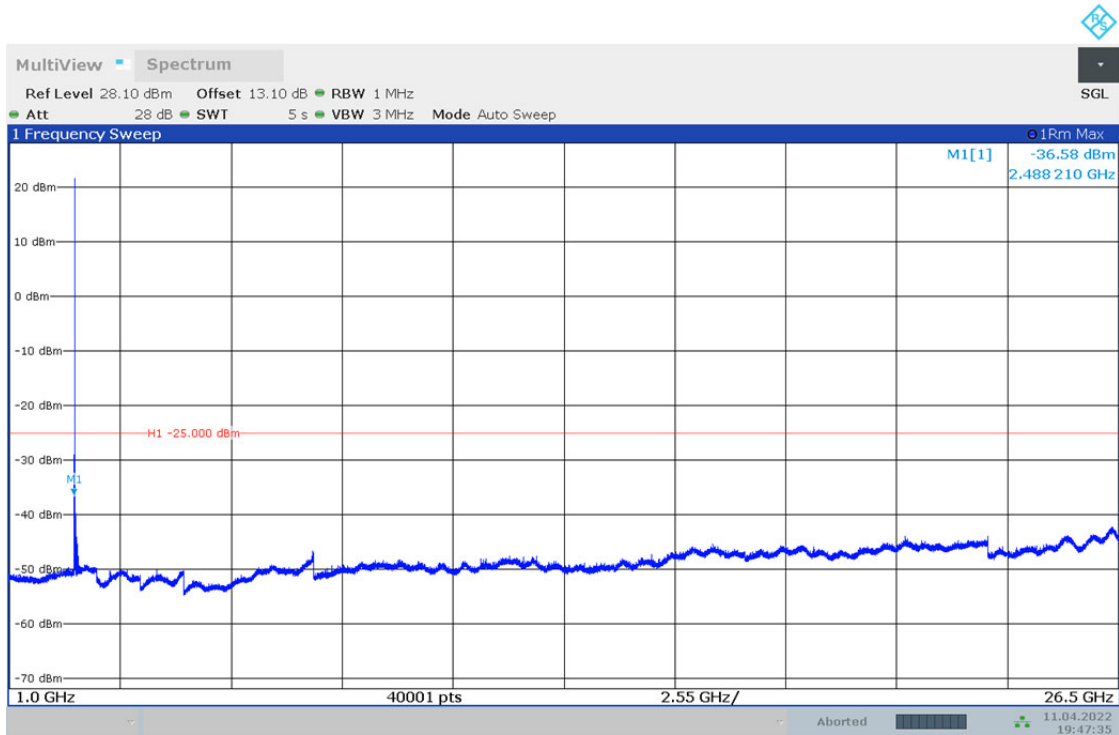
19:46:02 11.04.2022



19:46:32 11.04.2022

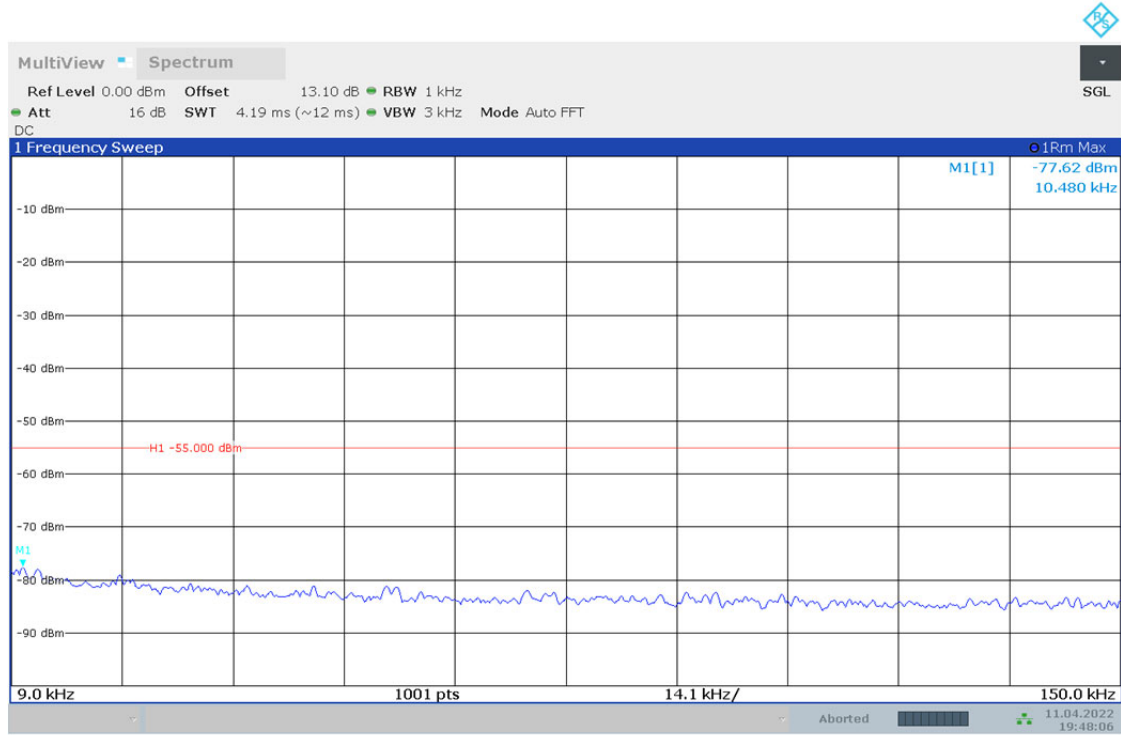


19:47:01 11.04.2022

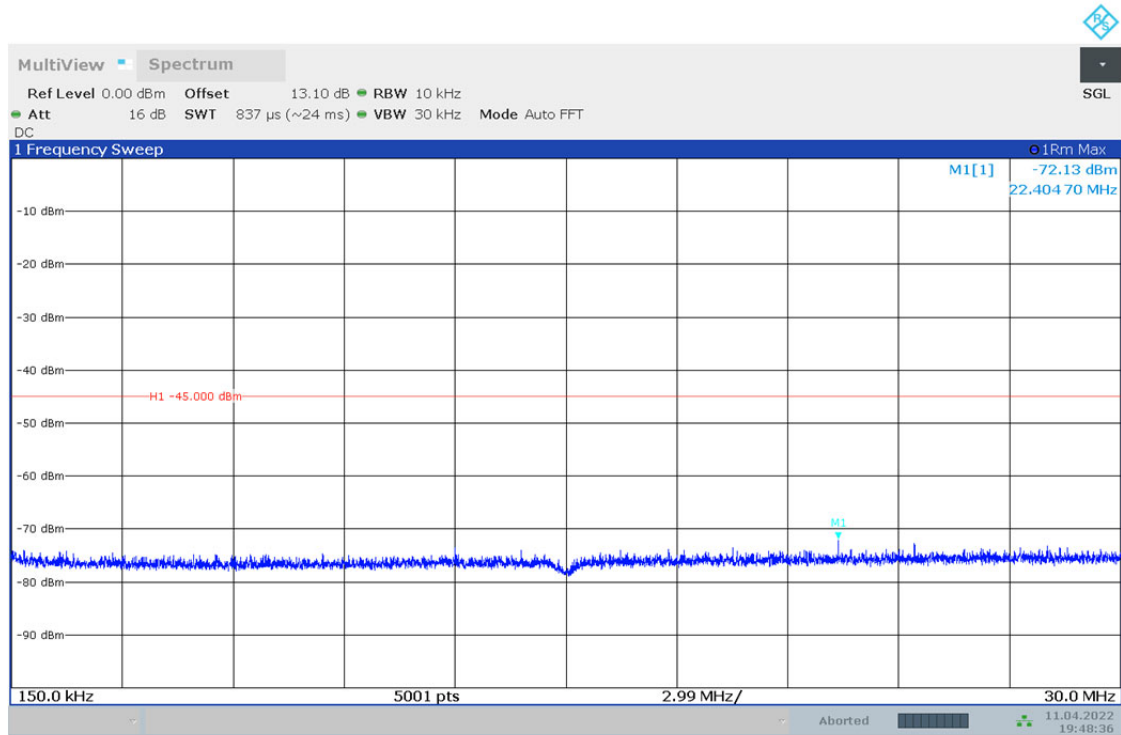


19:47:36 11.04.2022

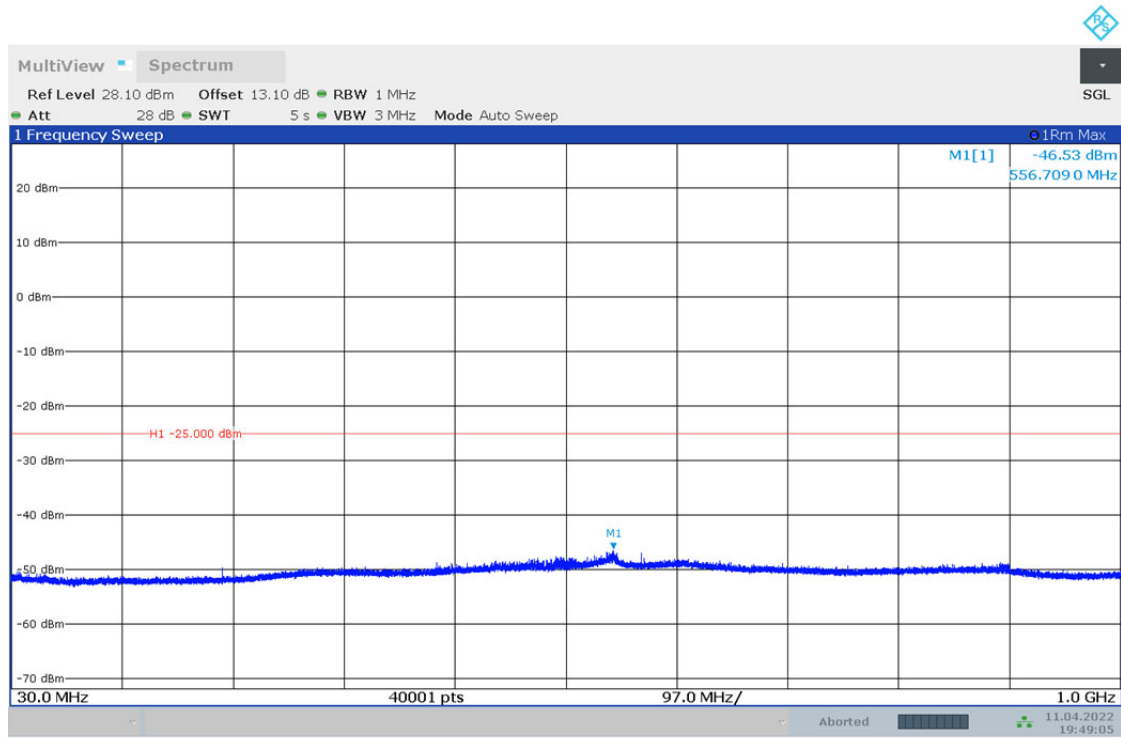
## 6.2.30 TM2\_20MHz\_LCH\_RB1#99



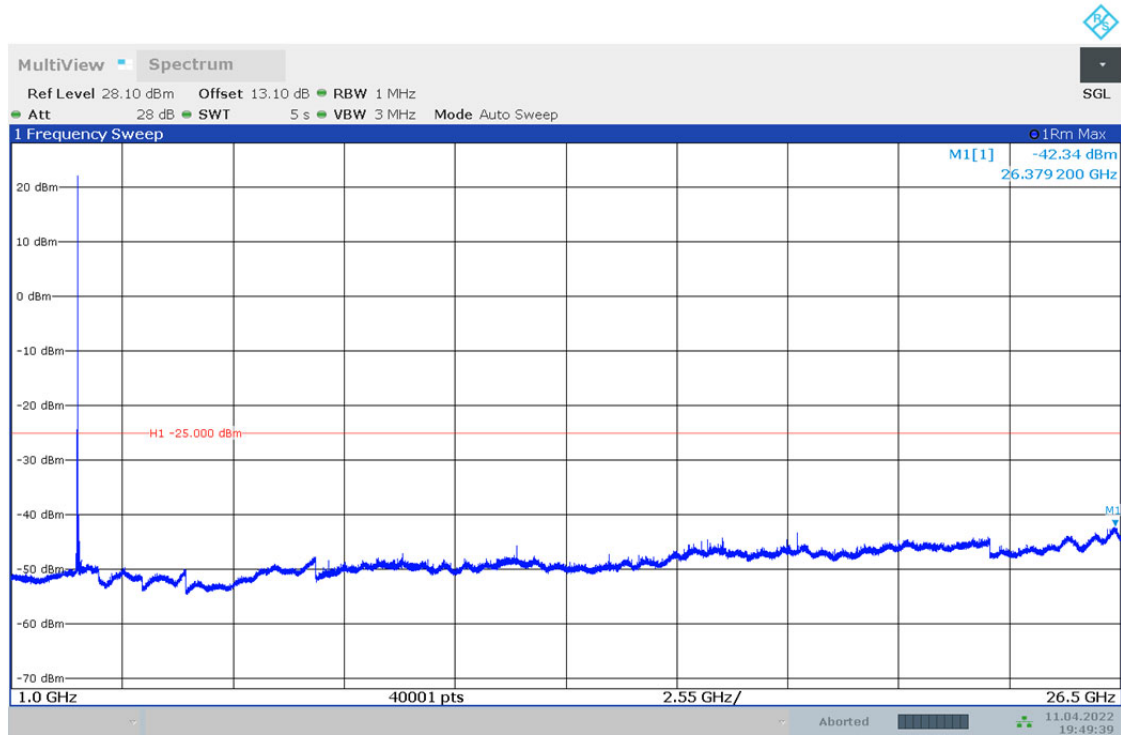
19:48:07 11.04.2022



19:48:36 11.04.2022



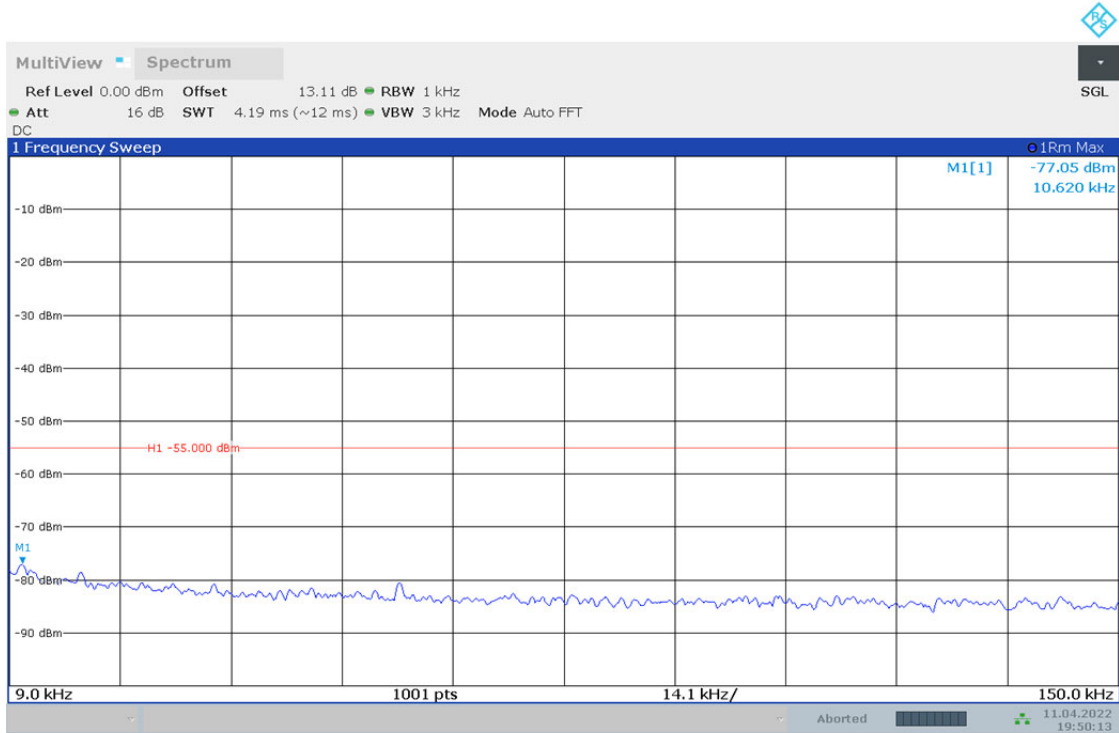
19:49:06 11.04.2022



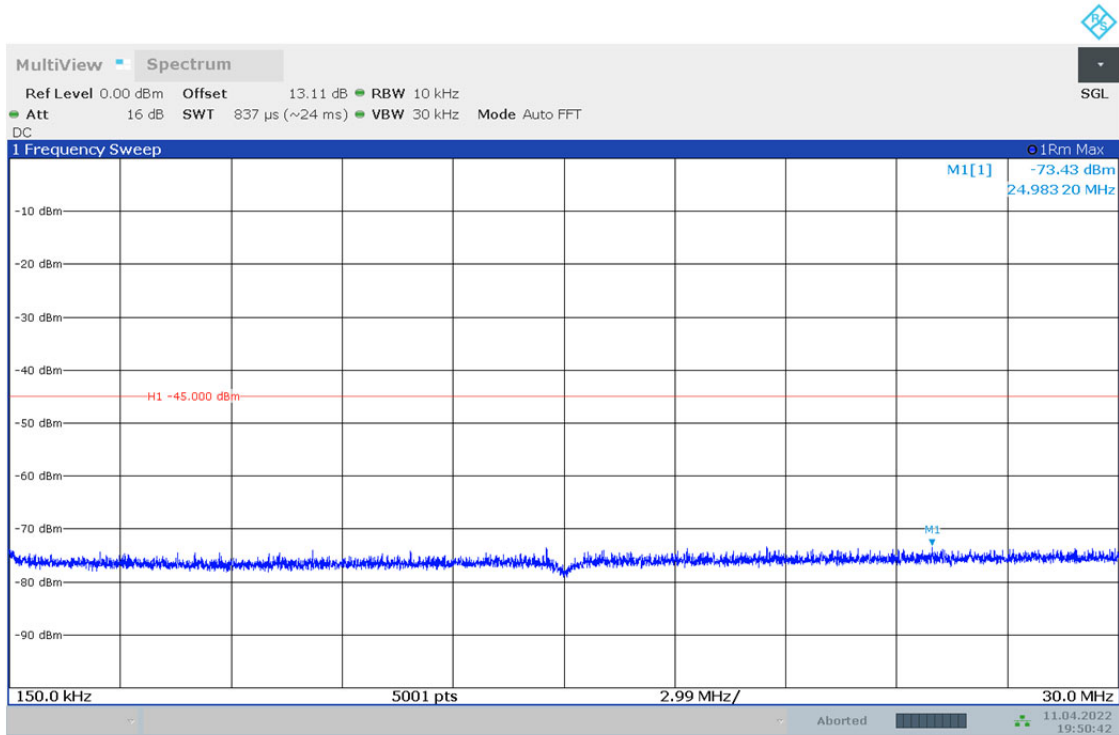
19:49:40 11.04.2022



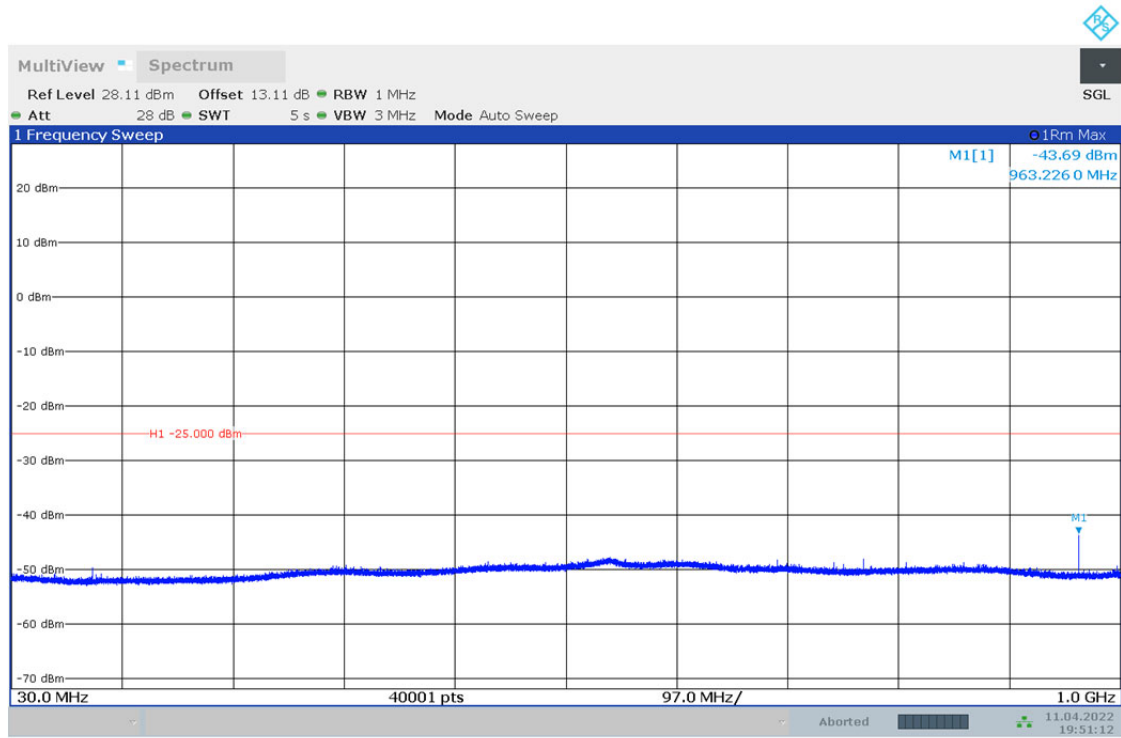
## 6.2.31 TM2\_20MHz\_MCH\_RB100#0



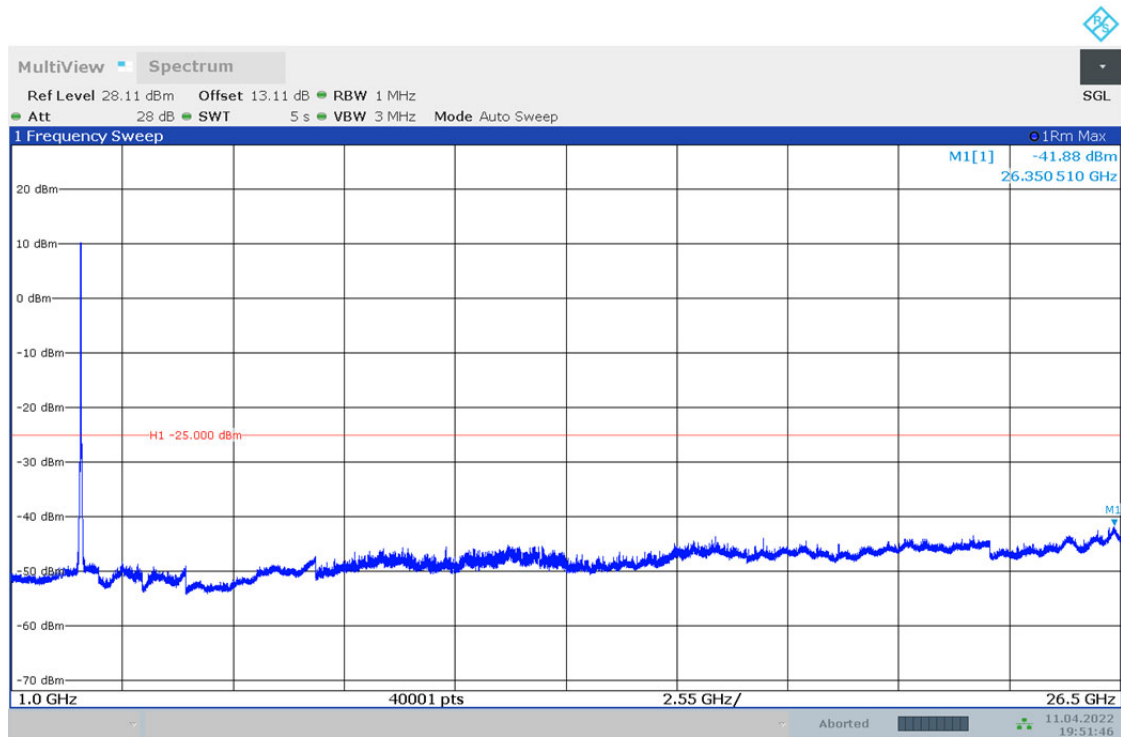
19:50:13 11.04.2022



19:50:43 11.04.2022

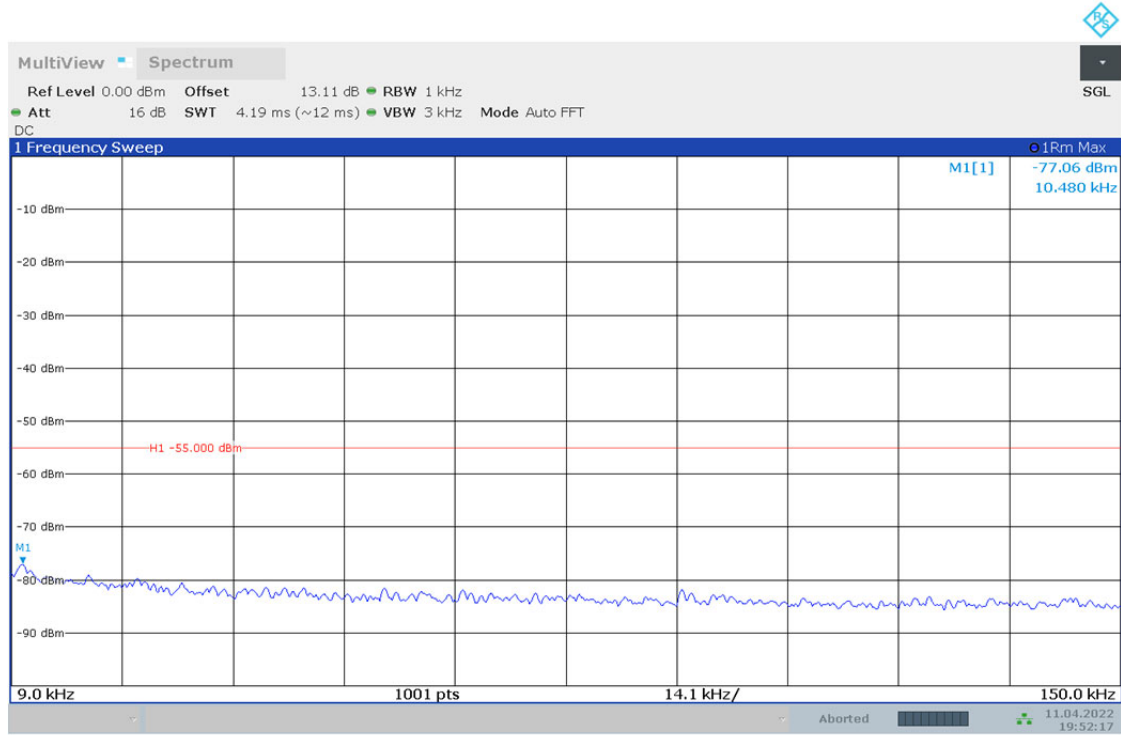


19:51:12 11.04.2022

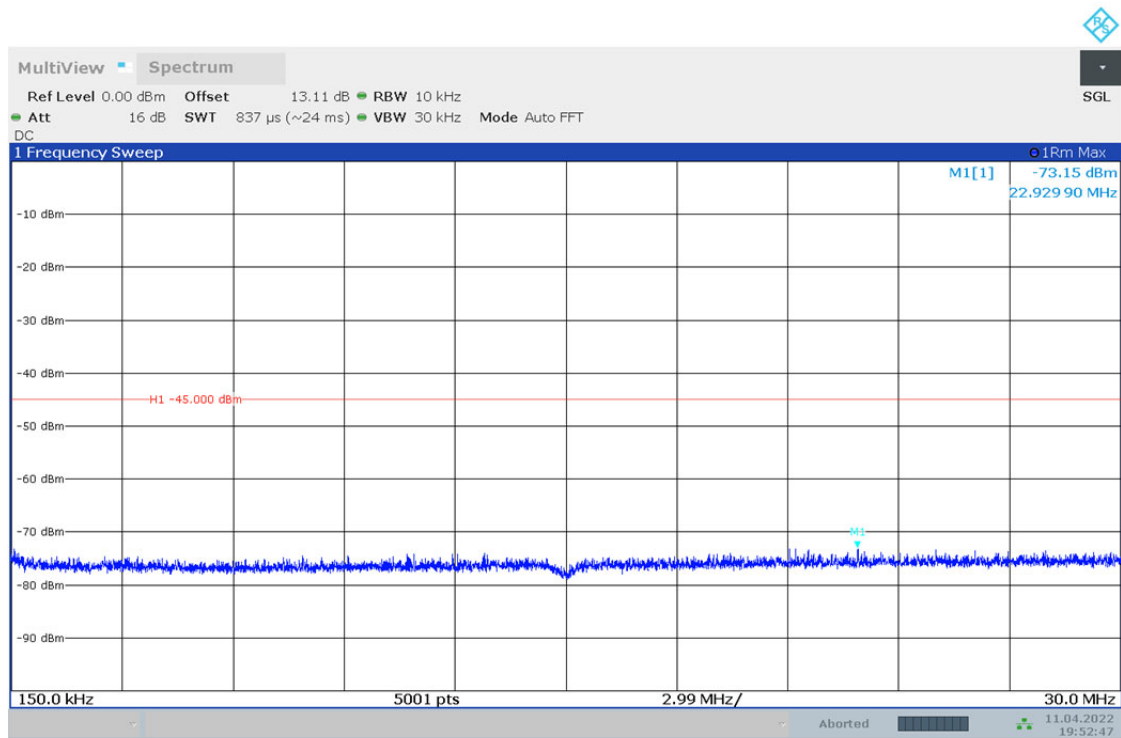


19:51:47 11.04.2022

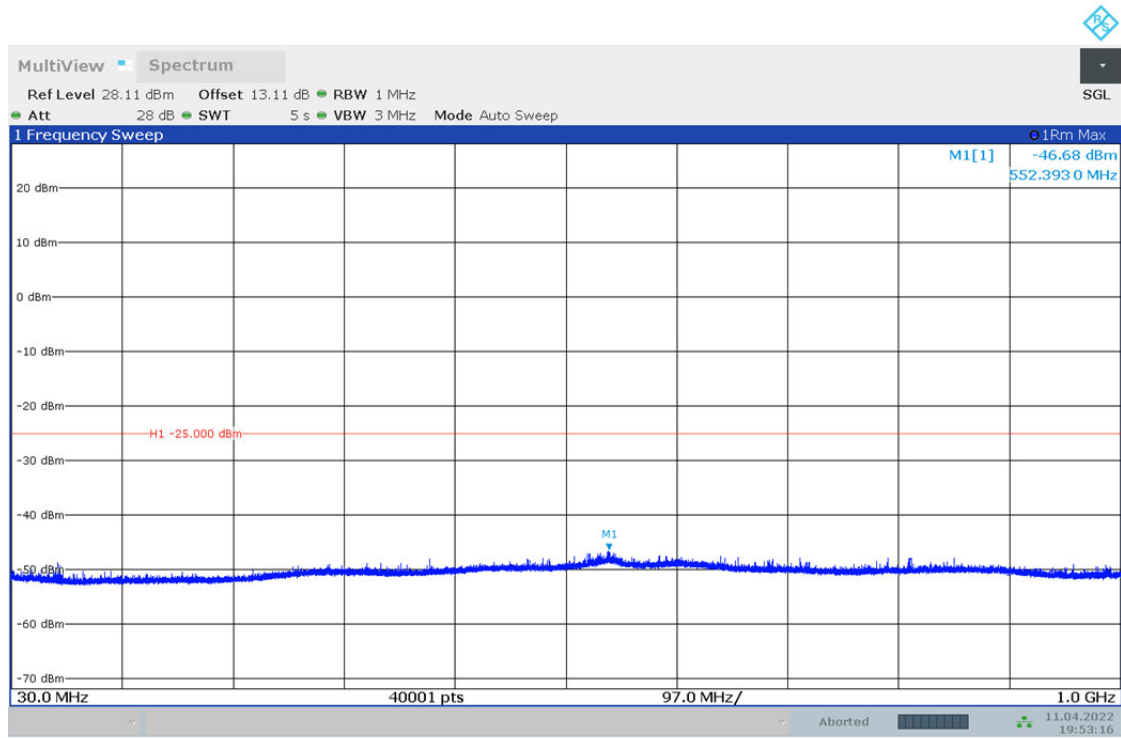
## 6.2.32 TM2\_20MHz\_MCH\_RB1#0



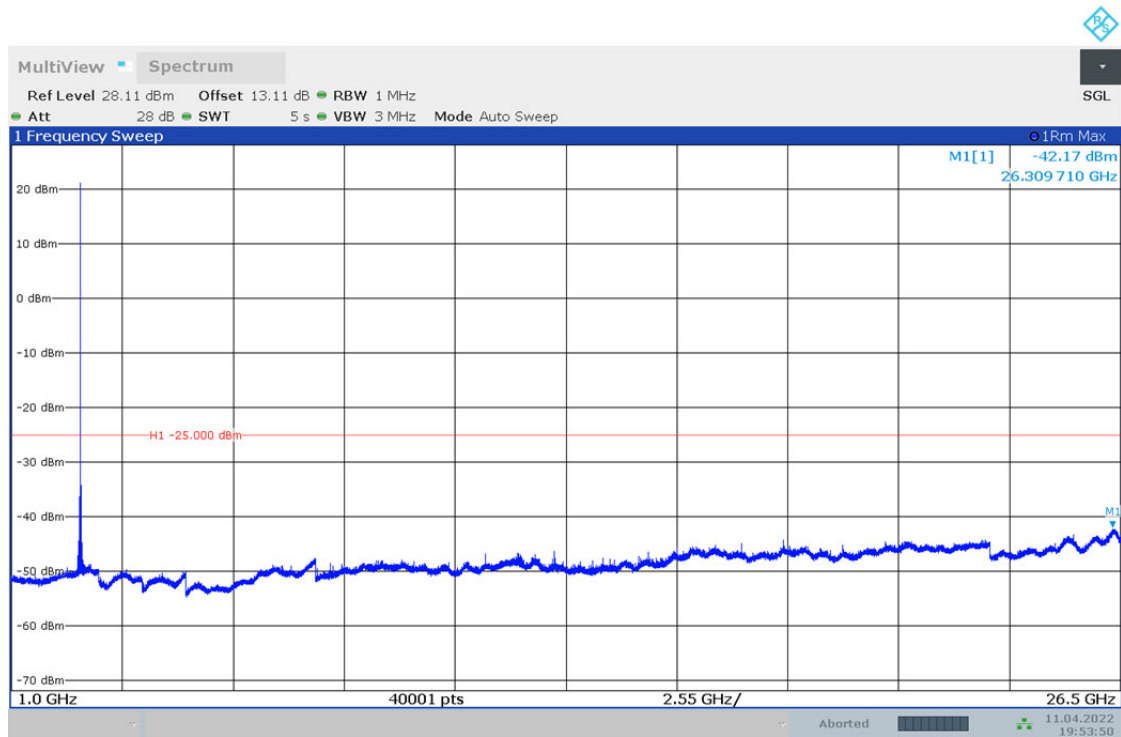
19:52:18 11.04.2022



19:52:47 11.04.2022

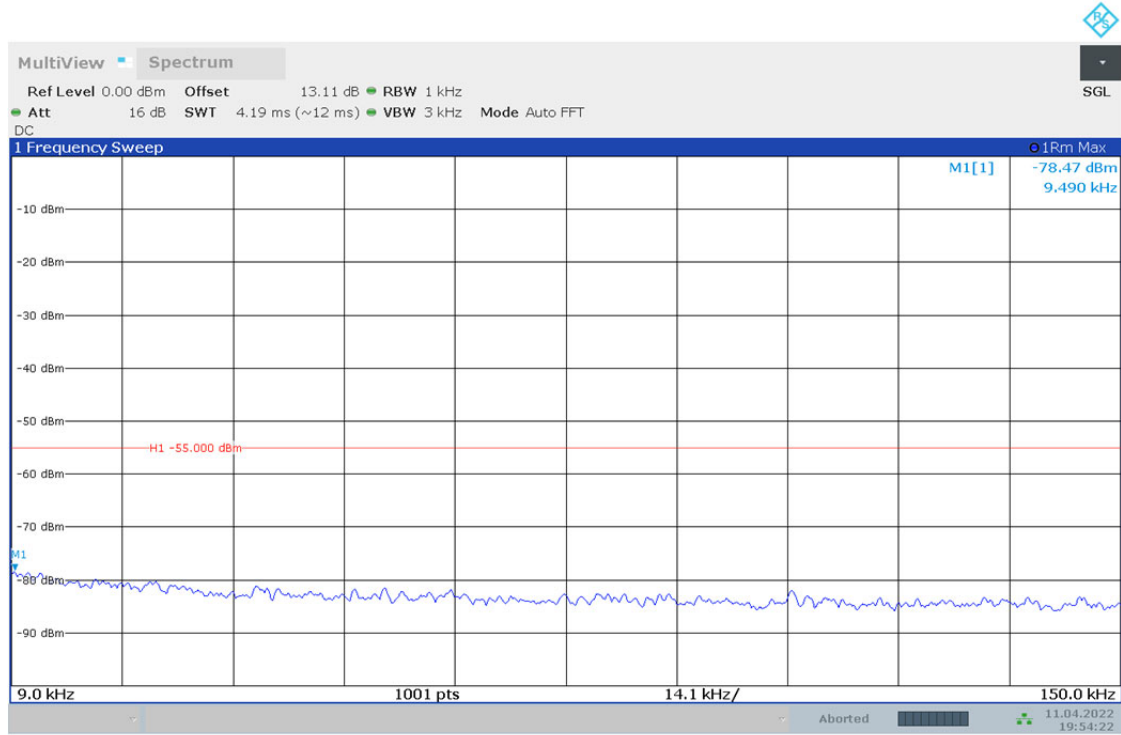


19:53:17 11.04.2022

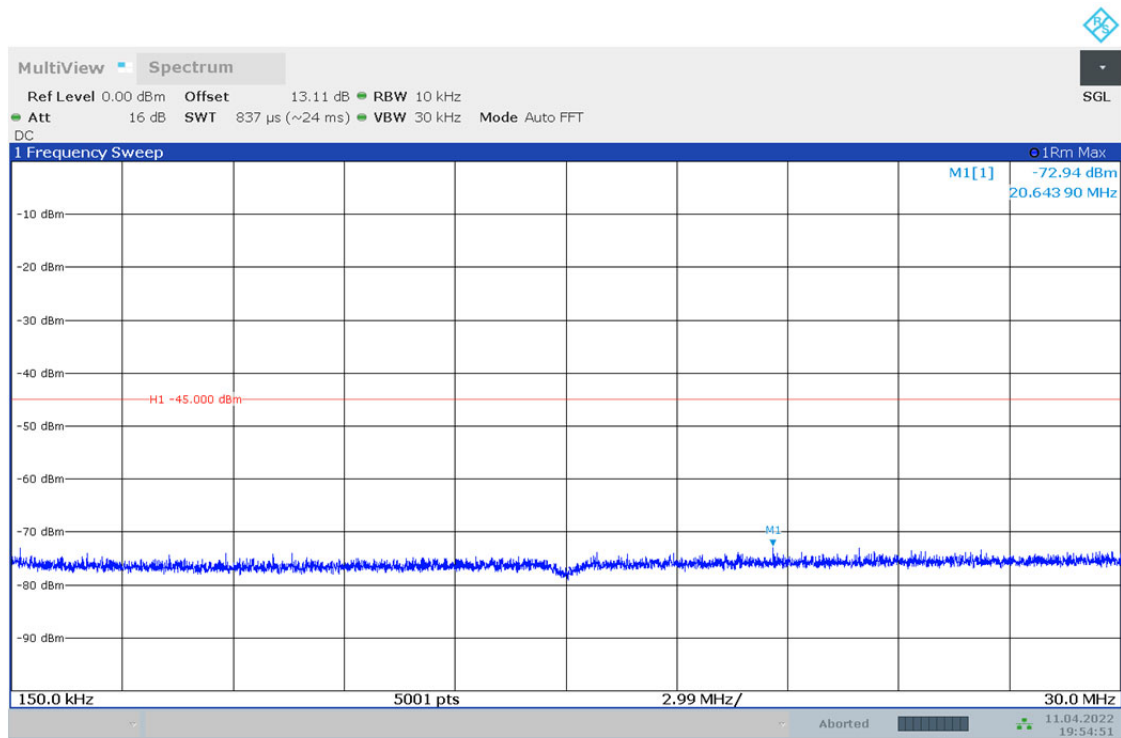


19:53:51 11.04.2022

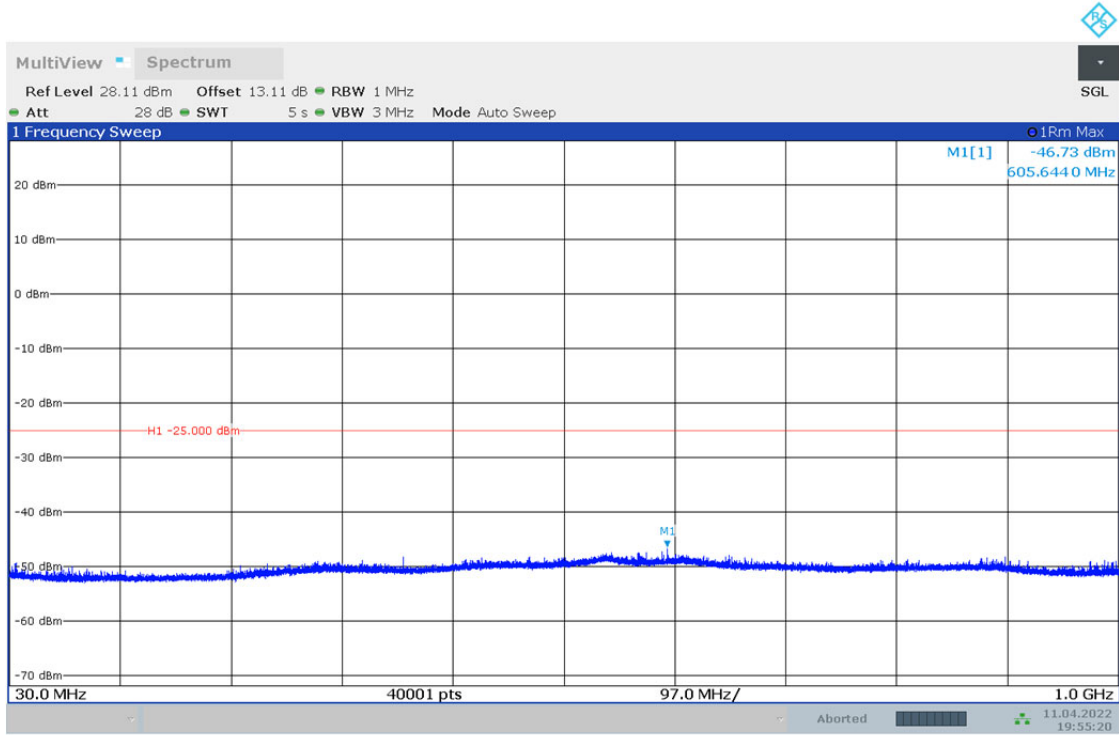
## 6.2.33 TM2\_20MHz\_MCH\_RB1#99



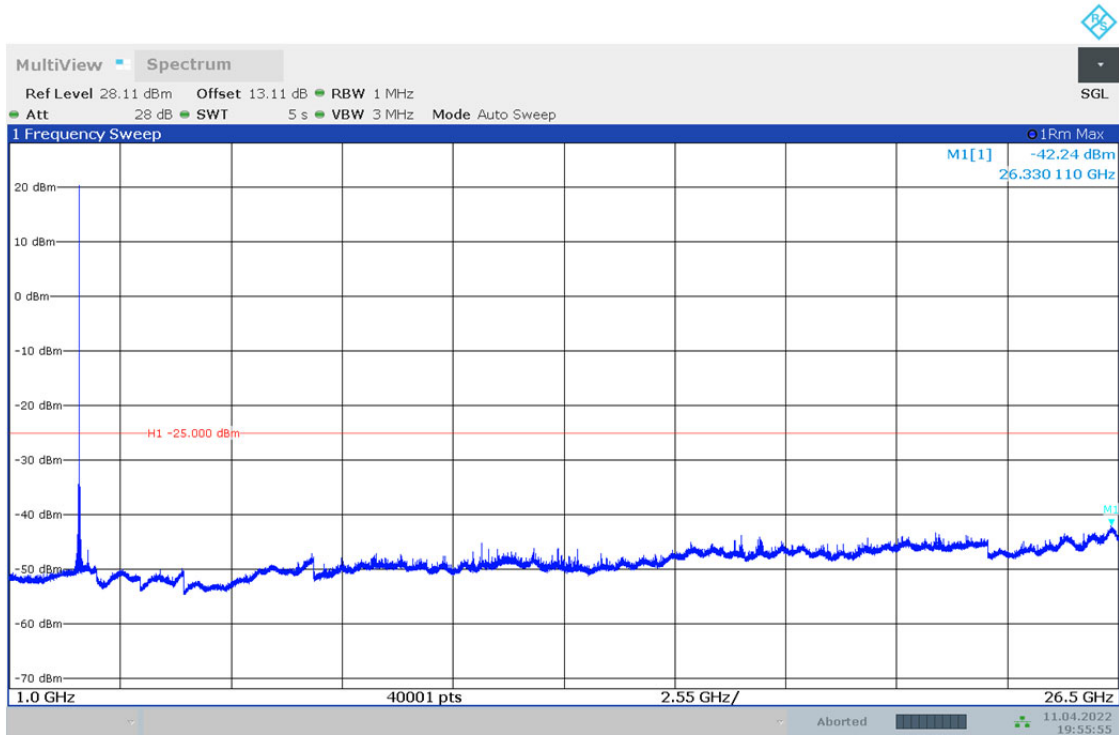
19:54:23 11.04.2022



19:54:52 11.04.2022

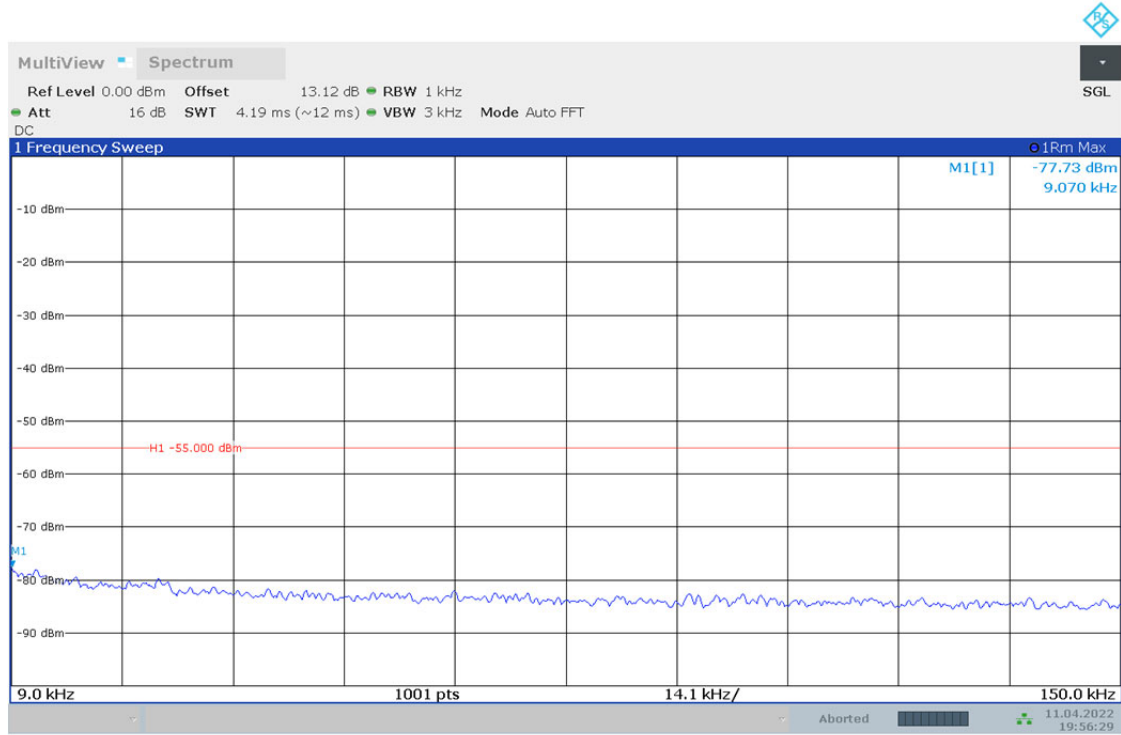


19:55:21 11.04.2022

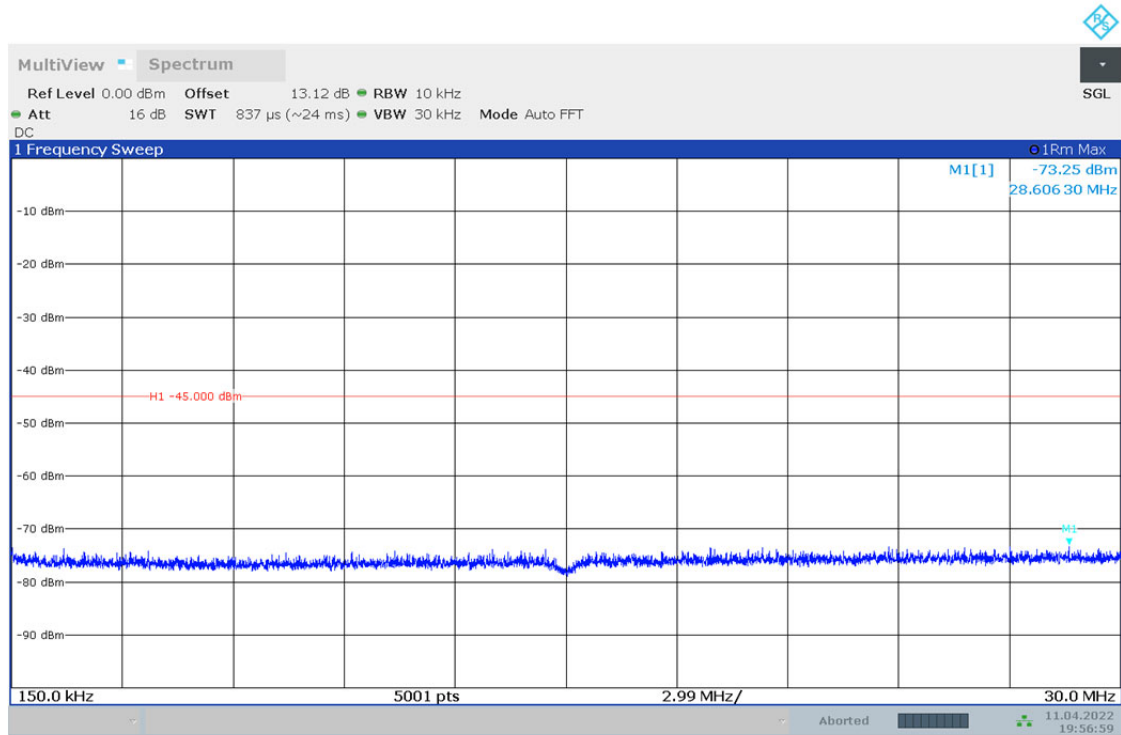


19:55:56 11.04.2022

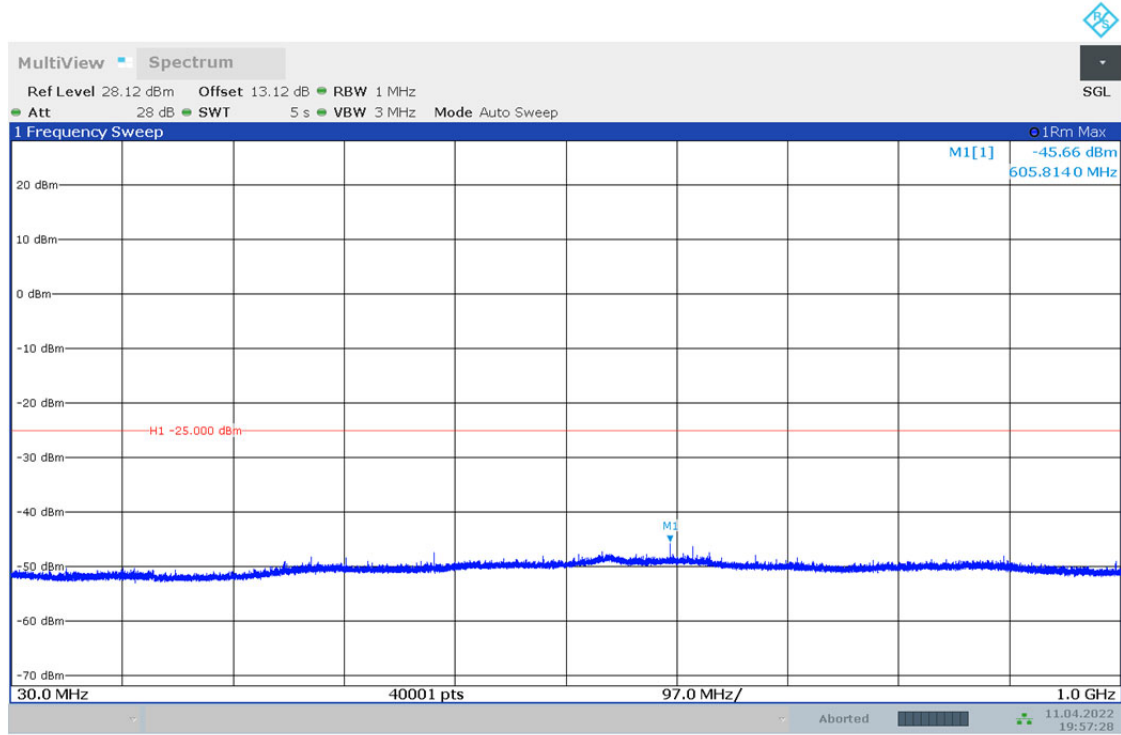
## 6.2.34 TM2\_20MHz\_HCH\_RB100#0



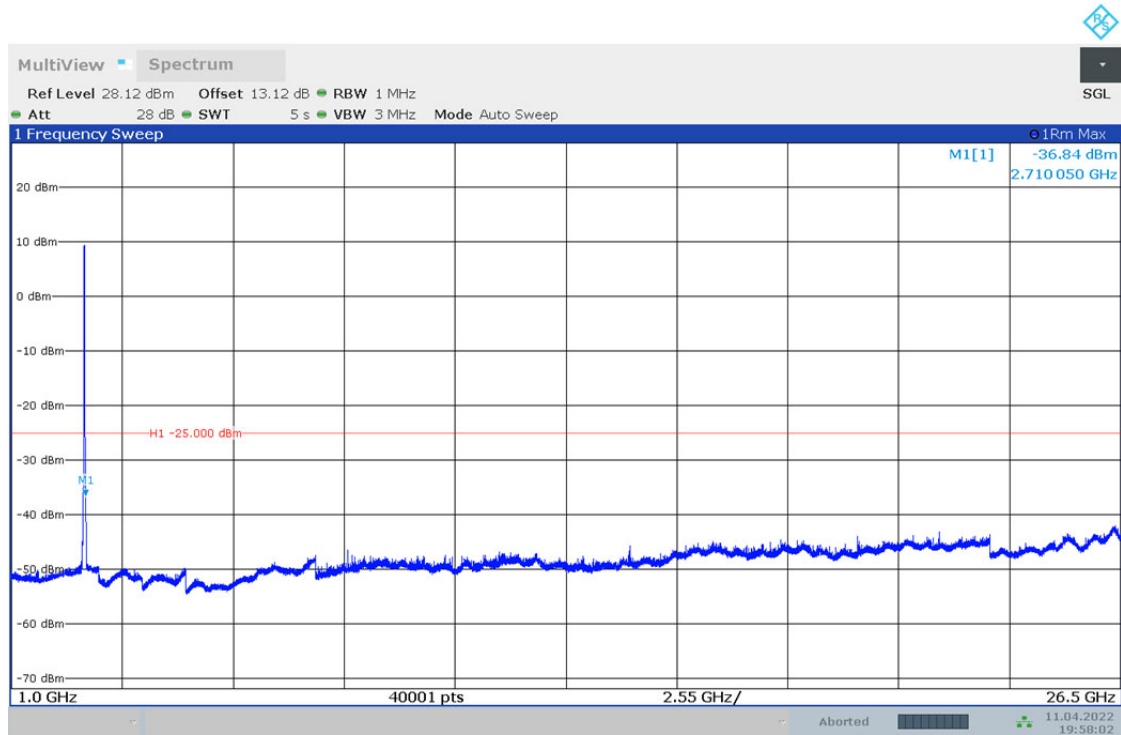
19:56:29 11.04.2022



19:56:59 11.04.2022



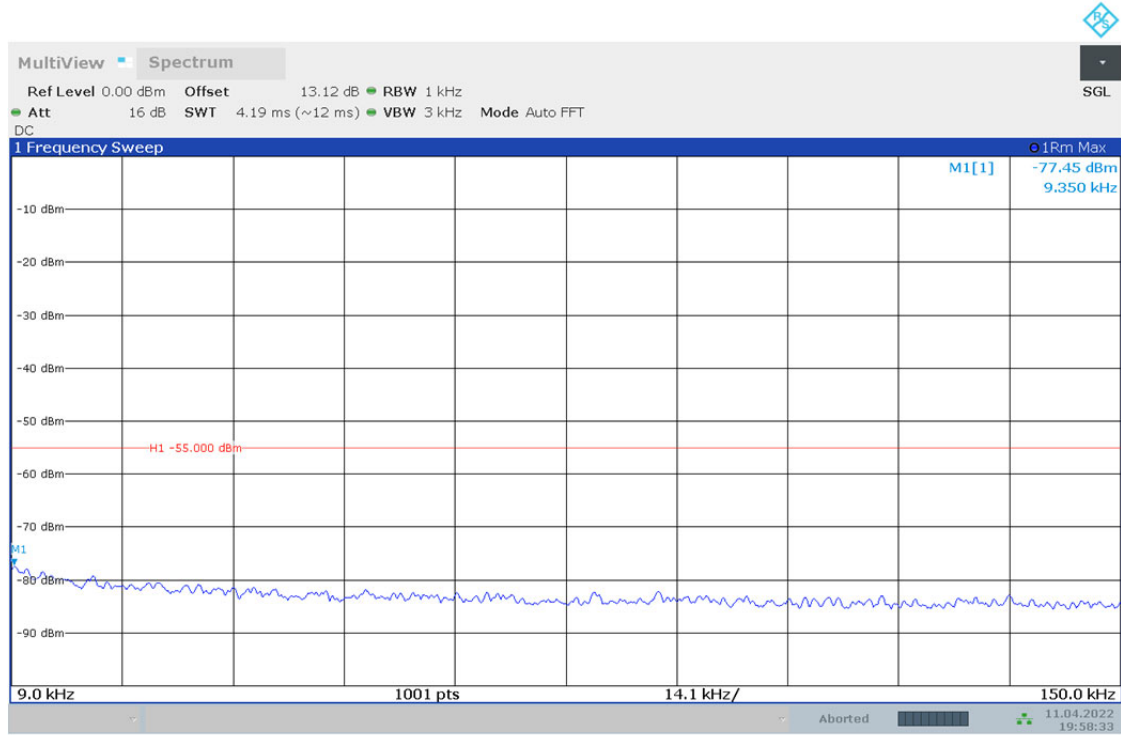
19:57:28 11.04.2022



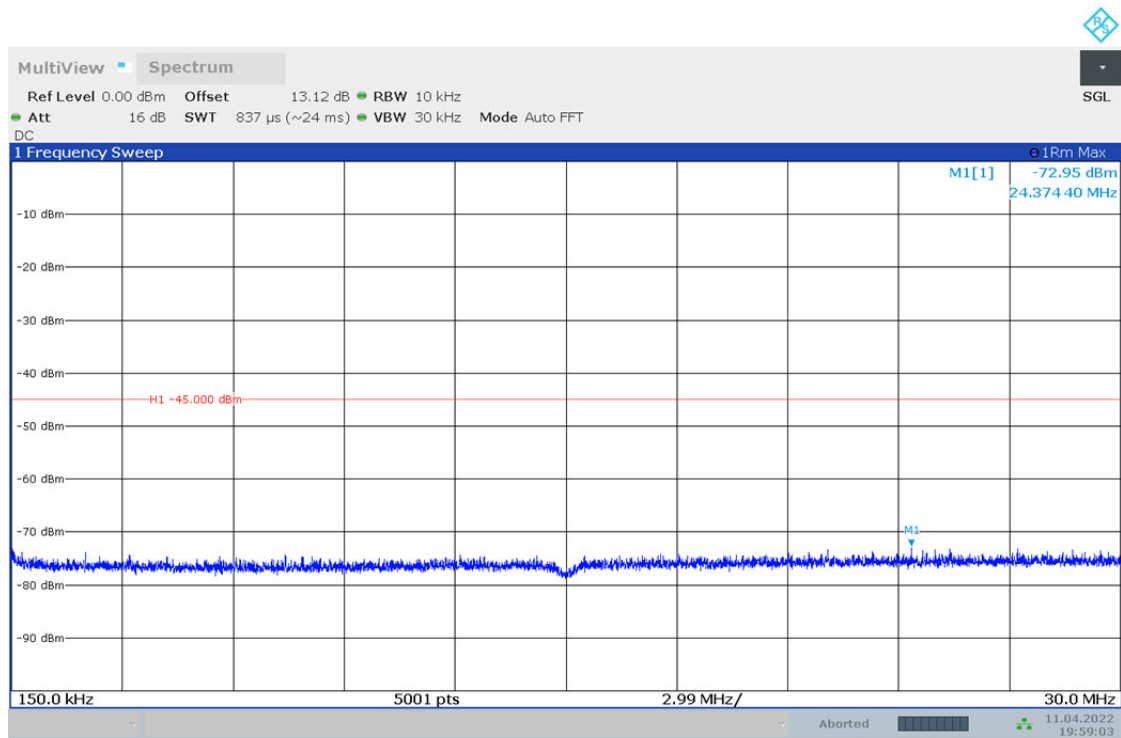
19:58:03 11.04.2022



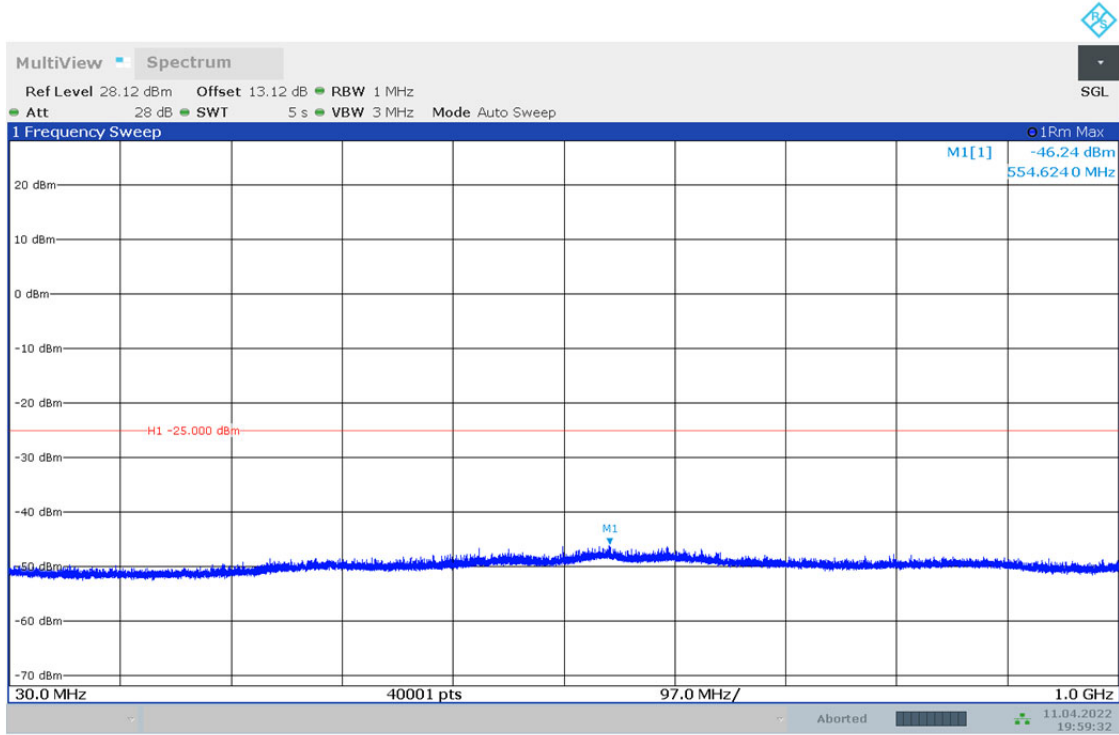
## 6.2.35 TM2\_20MHz\_HCH\_RB1#0



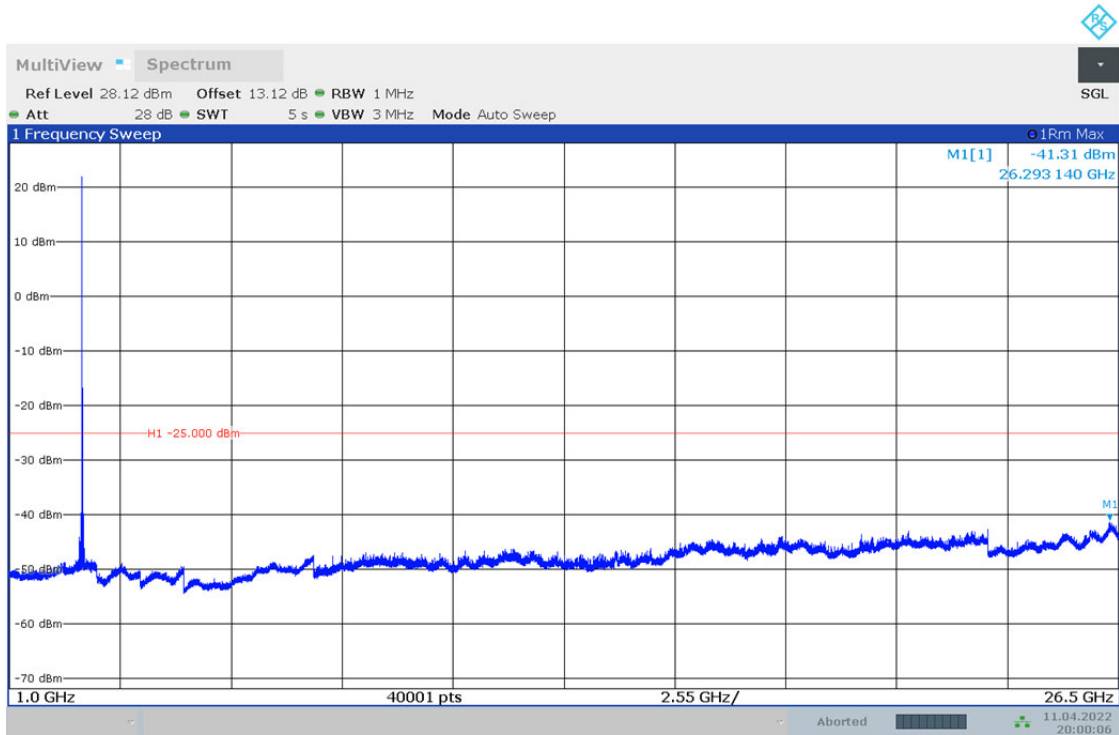
19:58:34 11.04.2022



19:59:03 11.04.2022

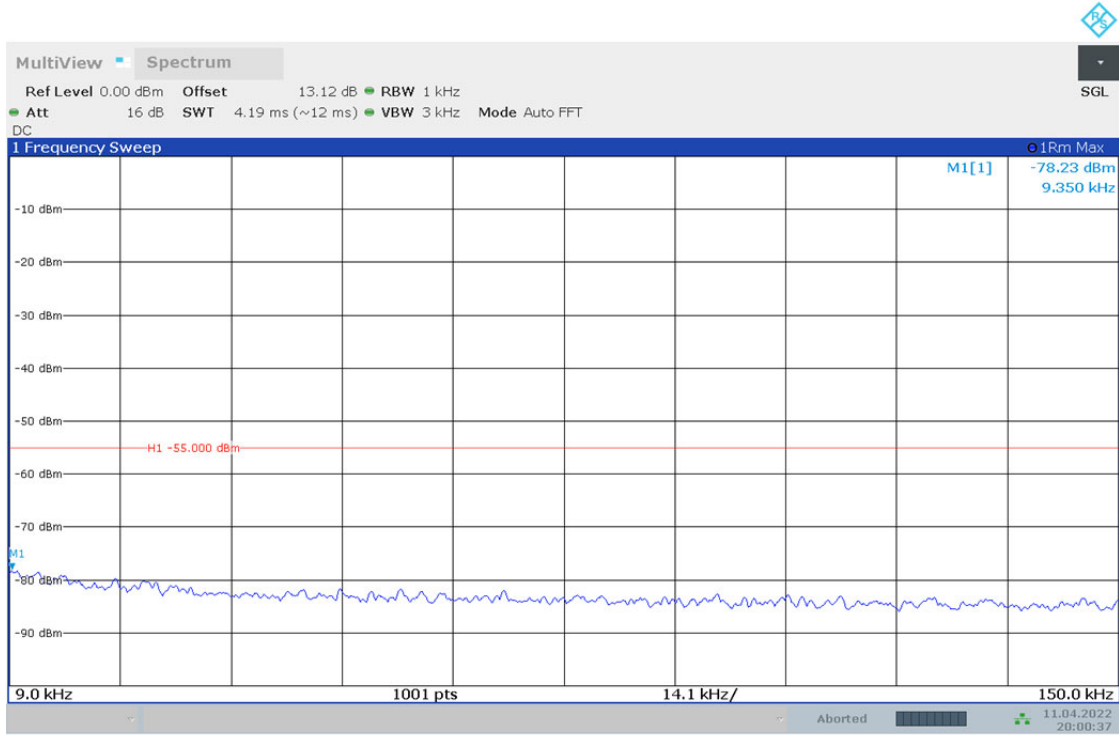


19:59:32 11.04.2022

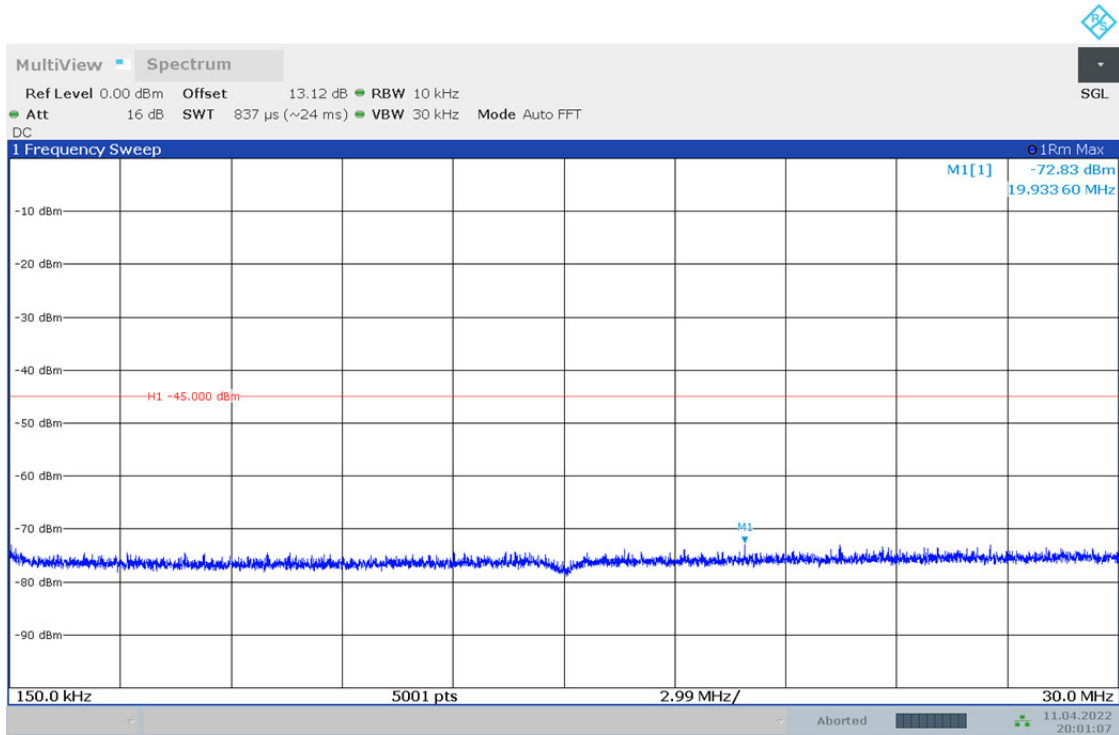


20:00:07 11.04.2022

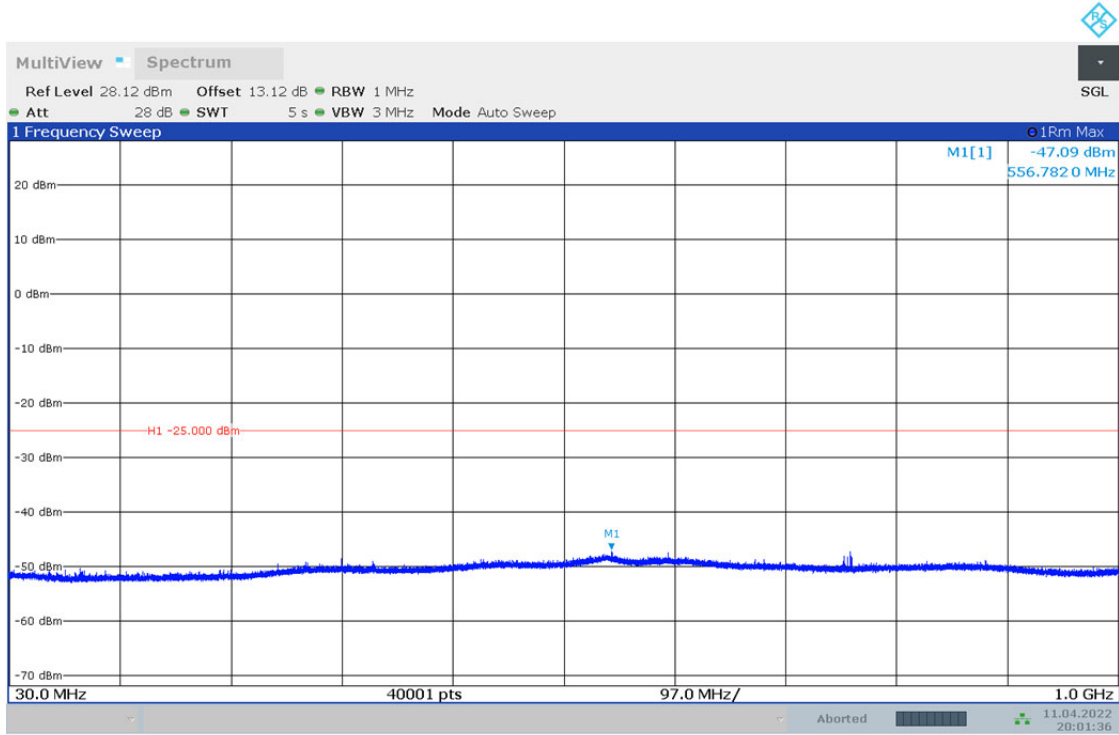
## 6.2.36 TM2\_20MHz\_HCH\_RB1#99



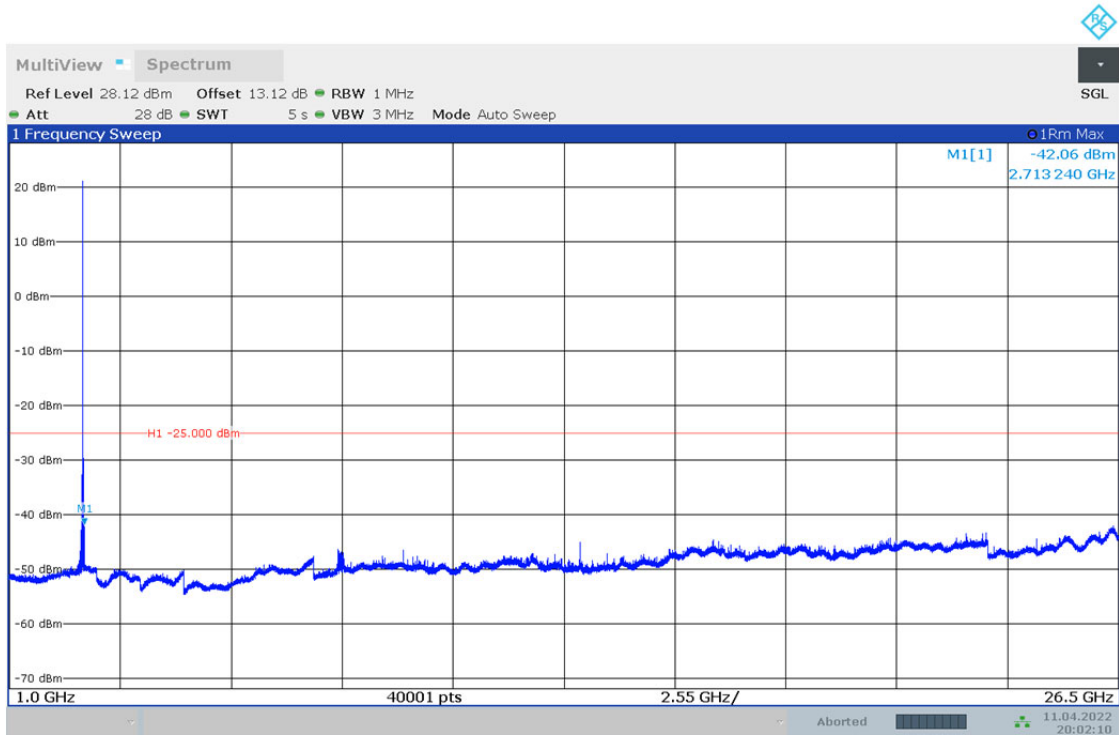
20:00:38 11.04.2022



20:01:07 11.04.2022



20:01:37 11.04.2022



20:02:11 11.04.2022

## 7 Appendix G: Frequency Stability

### 7.1 Test Results

#### 7.1.1 Frequency Error vs. Voltage

Frequency Error vs. Voltage									
Test Mode	Test Bandwidth [MHz]	Test Channel	Modulation	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
TM1	5	LCH	QPSK	TN	VH	-2.29	0	PASS	
			QPSK	TN	VN	0.08	0	PASS	
			QPSK	TN	VL	-3.69	0	PASS	
		MCH	QPSK	TN	VH	-0.62	0	PASS	
			QPSK	TN	VN	-5.39	0	PASS	
			QPSK	TN	VL	10.02	0	PASS	
		HCH	QPSK	TN	VH	5.02	0	PASS	
			QPSK	TN	VN	-4.45	0	PASS	
			QPSK	TN	VL	6.15	0	PASS	
	20	LCH	QPSK	TN	VH	1.06	0	PASS	
			QPSK	TN	VN	-3.01	0	PASS	
			QPSK	TN	VL	-5.02	0	PASS	
		MCH	QPSK	TN	VH	-2.56	0	PASS	
			QPSK	TN	VN	-3.59	0	PASS	
			QPSK	TN	VL	0.57	0	PASS	
		HCH	QPSK	TN	VH	-3.98	0	PASS	
			QPSK	TN	VN	0.42	0	PASS	
			QPSK	TN	VL	1.24	0	PASS	
	TM2	5	LCH	16QAM	TN	VH	8.01	0	PASS
				16QAM	TN	VN	2.42	0	PASS
				16QAM	TN	VL	17.28	0.01	PASS
MCH			16QAM	TN	VH	-11.15	0	PASS	
			16QAM	TN	VN	-12.18	0	PASS	
			16QAM	TN	VL	-3.97	0	PASS	
HCH			16QAM	TN	VH	9.21	0	PASS	
			16QAM	TN	VN	0.84	0	PASS	
			16QAM	TN	VL	-11.60	0	PASS	

Frequency Error vs. Voltage								
Test Mode	Test Bandwidth [MHz]	Test Channel	Modulation	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
TM2	20	LCH	16QAM	TN	VH	-4.59	0	PASS
			16QAM	TN	VN	-6.01	0	PASS
			16QAM	TN	VL	3.17	0	PASS
		MCH	16QAM	TN	VH	0.28	0	PASS
			16QAM	TN	VN	0.20	0	PASS
			16QAM	TN	VL	-4.79	0	PASS
		HCH	16QAM	TN	VH	3.19	0	PASS
			16QAM	TN	VN	-1.37	0	PASS
			16QAM	TN	VL	1.08	0	PASS

**7.1.2 Frequency Error vs. Temperature**

Frequency Error vs. Temperature								
Test Mode	Test Bandwidth [MHz]	Test Channel	Modulation	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
TM1	5	LCH	QPSK	VN	-30	5.54	0	PASS
			QPSK	VN	-20	4.29	0	PASS
			QPSK	VN	-10	1.02	0	PASS
			QPSK	VN	0	-0.39	0	PASS
			QPSK	VN	10	0.15	0	PASS
			QPSK	VN	20	-1.48	0	PASS
			QPSK	VN	30	-6.97	0	PASS
			QPSK	VN	40	-9.93	0	PASS
			QPSK	VN	50	-0.33	0	PASS
		MCH	QPSK	VN	-30	-18.75	-0.01	PASS
			QPSK	VN	-20	15.1	0.01	PASS
			QPSK	VN	-10	1.41	0	PASS
			QPSK	VN	0	-0.18	0	PASS
			QPSK	VN	10	1.98	0	PASS
			QPSK	VN	20	-9.55	0	PASS
			QPSK	VN	30	1.18	0	PASS
			QPSK	VN	40	-13.39	-0.01	PASS
			QPSK	VN	50	-1.89	0	PASS
		HCH	QPSK	VN	-30	4.02	0	PASS
			QPSK	VN	-20	1.06	0	PASS
			QPSK	VN	-10	7.22	0	PASS
			QPSK	VN	0	24.31	0.01	PASS
			QPSK	VN	10	5.12	0	PASS
			QPSK	VN	20	7.71	0	PASS
			QPSK	VN	30	6.47	0	PASS
			QPSK	VN	40	1.11	0	PASS
			QPSK	VN	50	-1.65	0	PASS