

Appendix for WCDMA Band II

Model: VNE-N41

BTL-FCCP-7-2204C233

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1 Appendix_A: Effective (Isotropic) Radiated Power of Transmitter

1.1 Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	Gain [dBi]	ER(I)P [dBm]	Limit [dBm]	Verdict
2	TM1	LCH	23.52	0.1	23.62	33	PASS
		MCH	23.60	0.1	23.70	33	PASS
		HCH	23.54	0.1	23.64	33	PASS

2 Appendix_B: Peak-to-Average Ratio

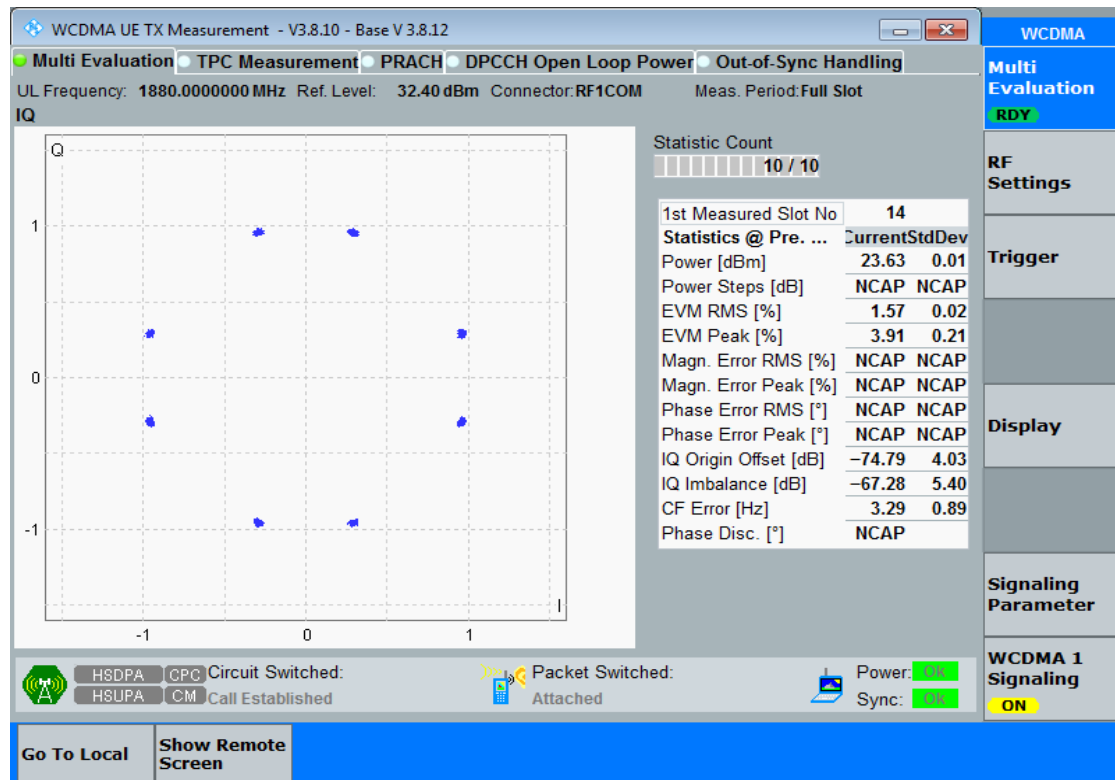
2.1 Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
2	TM1	LCH	3.11	13	PASS
		MCH	3.13	13	PASS
		HCH	6.63	13	PASS

3 Appendix_C: Modulation Characteristics

3.1 Test Plots

Band 2_TM1_MCH



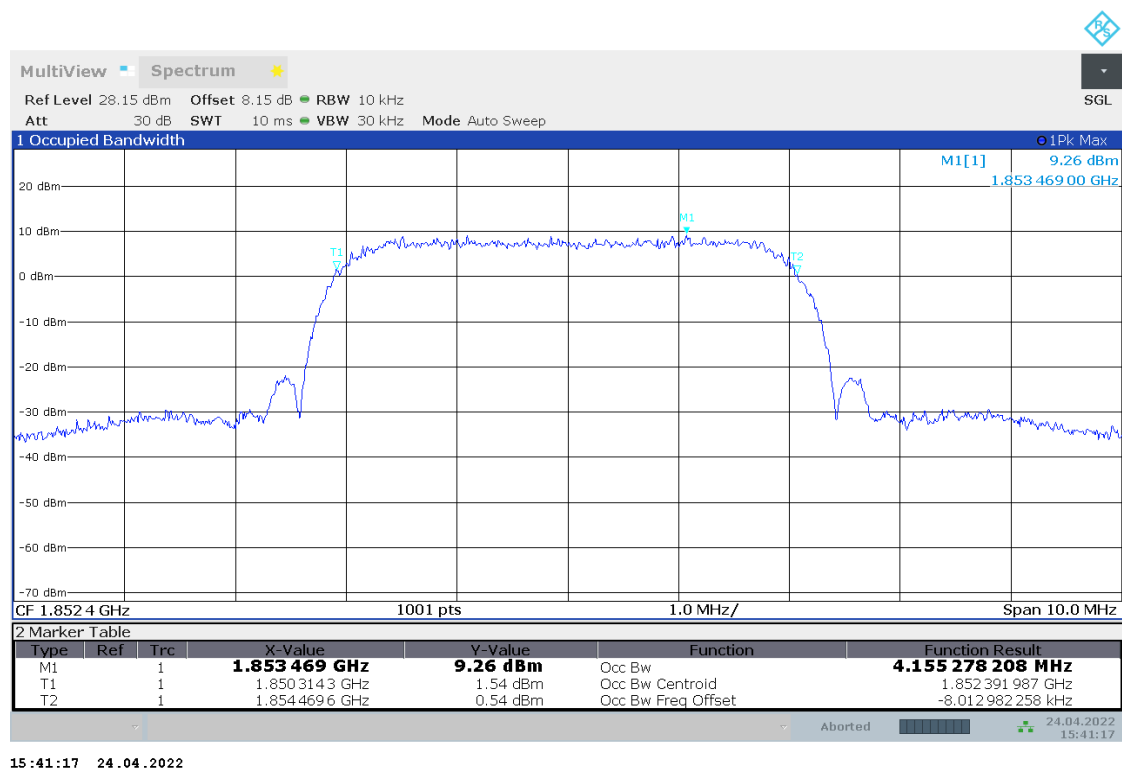
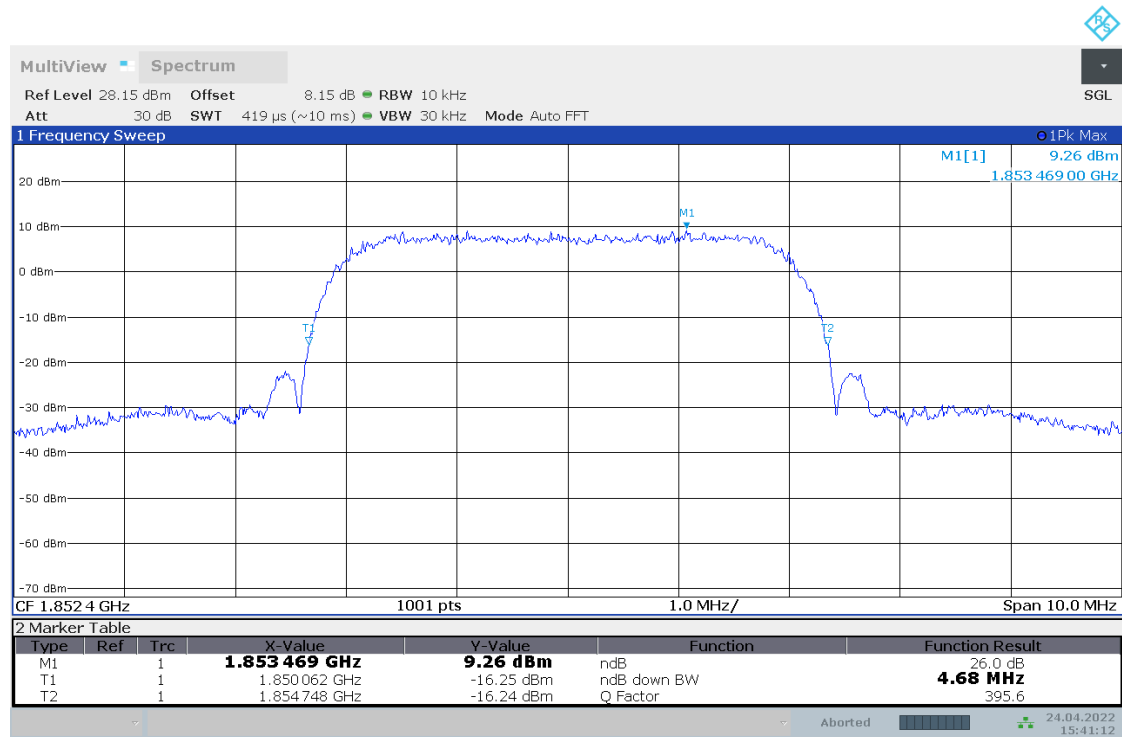
4 Appendix_D: Occupied Bandwidth

4.1 Test Results

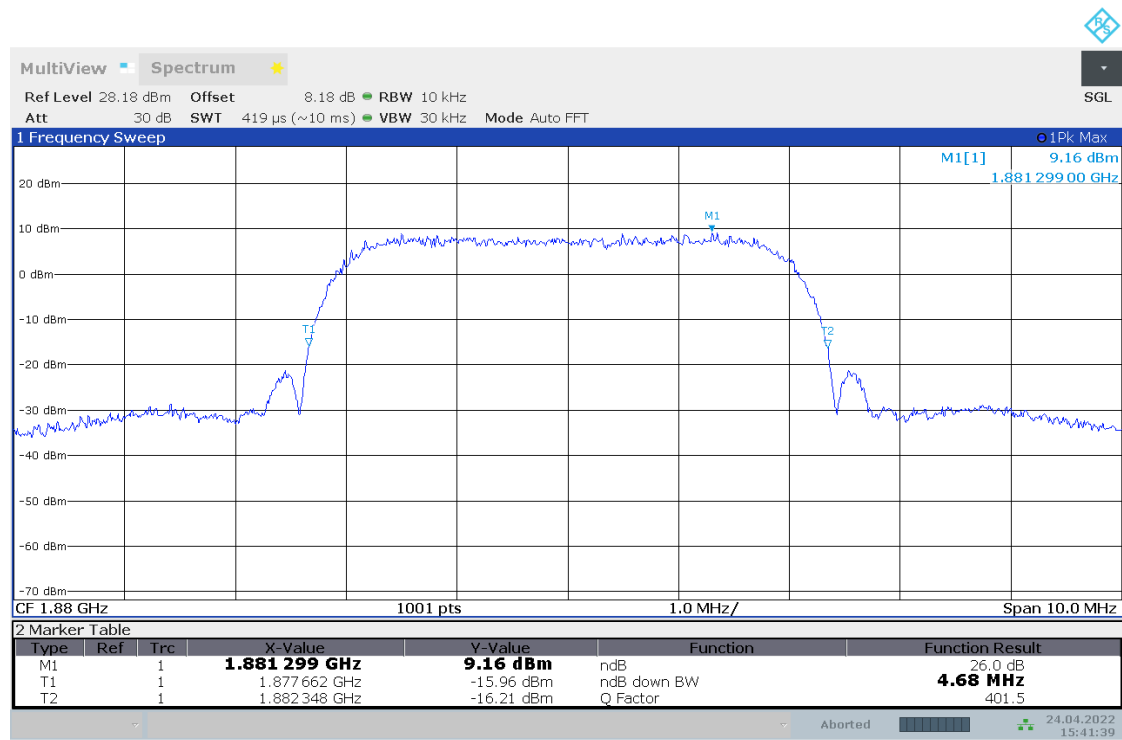
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
2	TM1	LCH	4.16	4.68	PASS
		MCH	4.15	4.68	PASS
		HCH	4.15	4.68	PASS

4.2 Test Plots

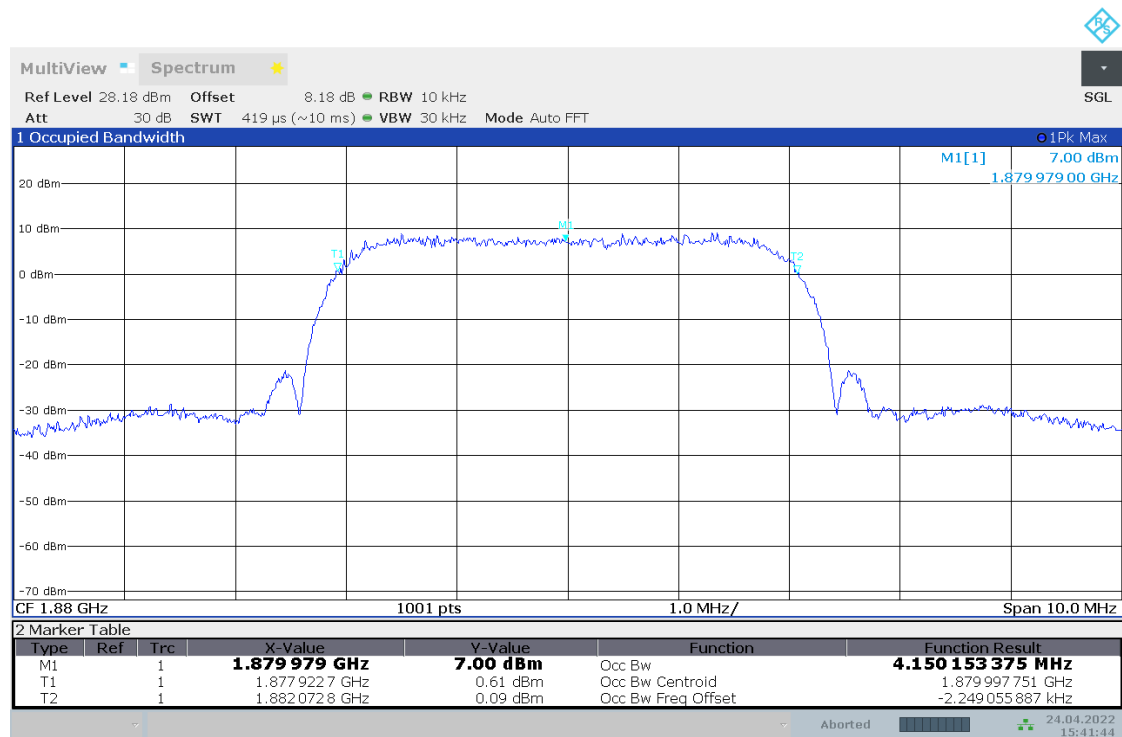
Band 2_TM1_LCH



Band 2_TM1_MCH

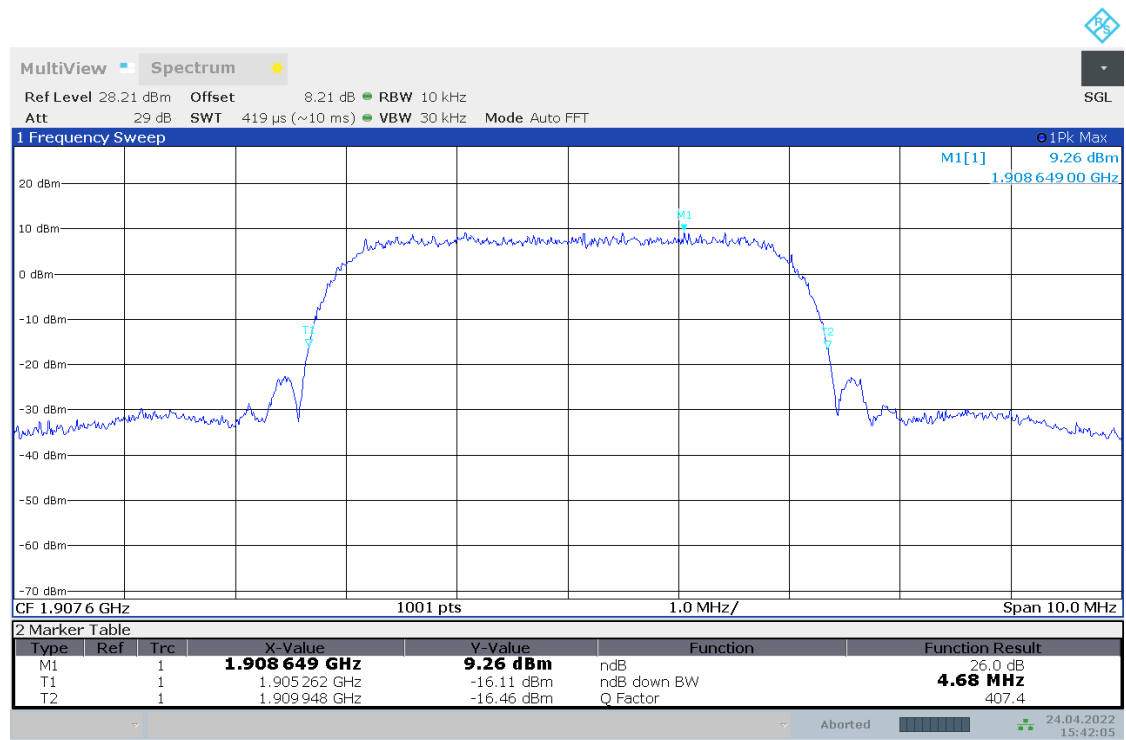


15:41:39 24.04.2022

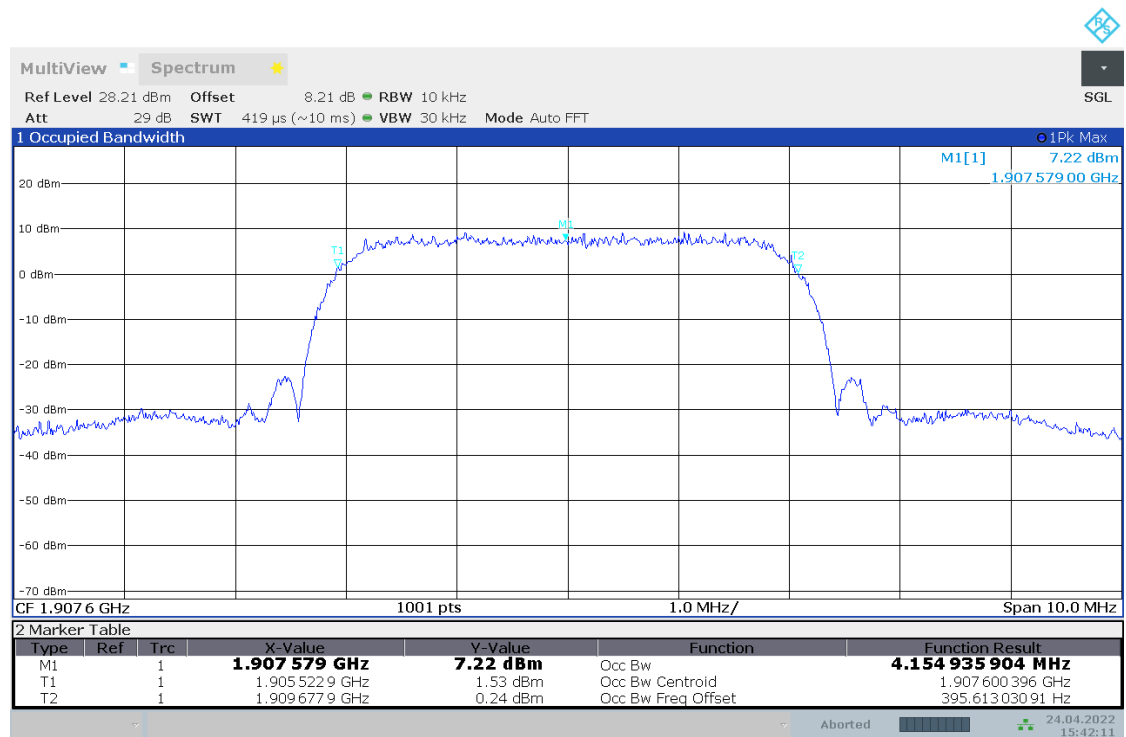


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Band 2_TM1_HCH



15:42:05 24.04.2022



15:42:11 24.04.2022

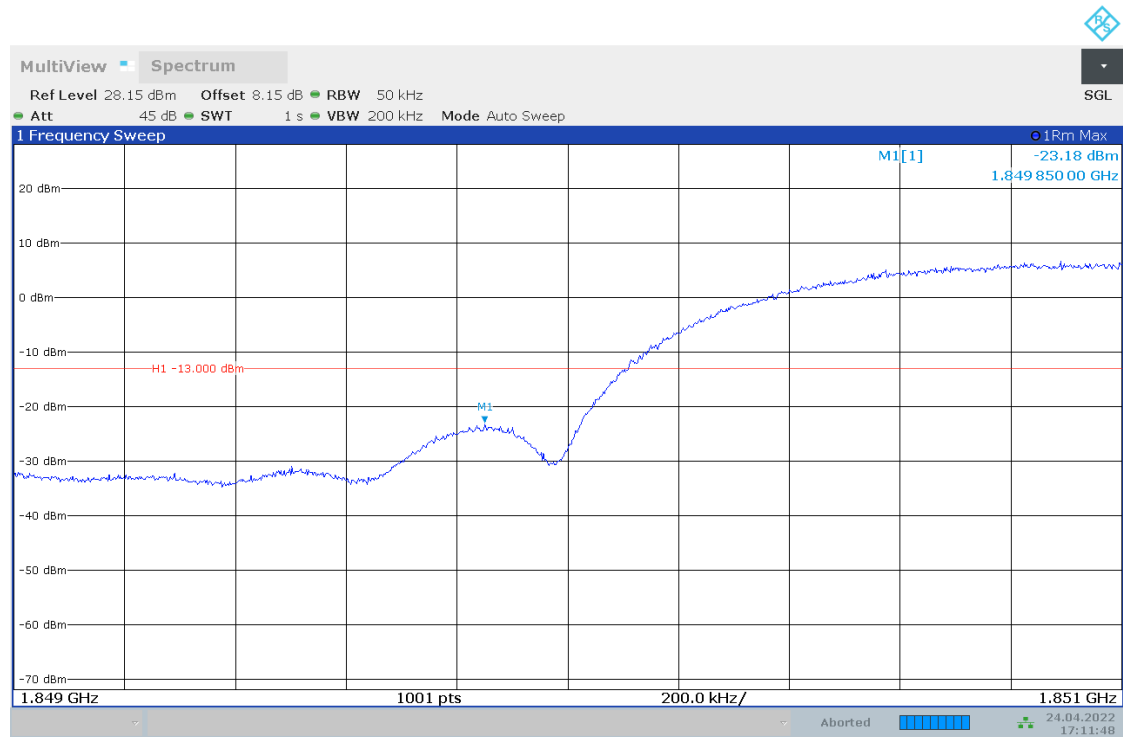
5 Appendix_E: Band Edges Compliance

5.1 Test Results

Test Band	Test Mode	Test Channel	Measured Emissions Conformed to the Relevant Limits?	Verdict
2	TM1	LCH	Yes	PASS
		HCH	Yes	PASS

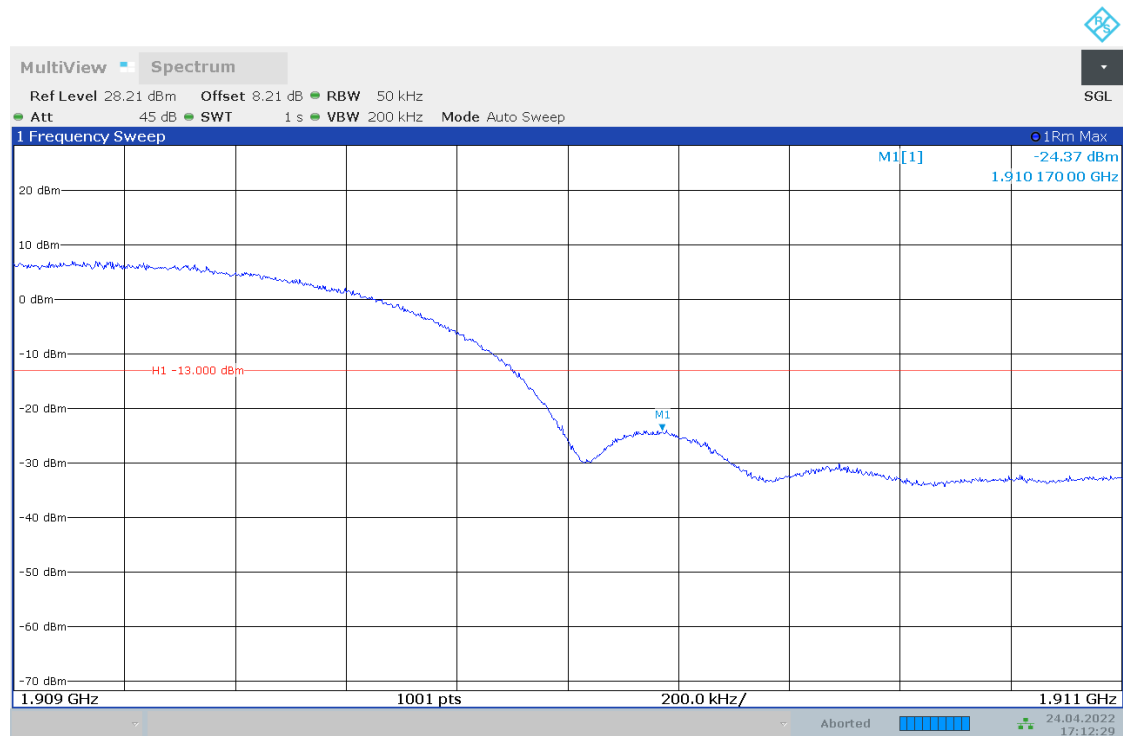
5.2 Test Plots

Band 2_TM1_LCH



17:11:49 24.04.2022

Band 2_TM1_HCH



17:12:30 24.04.2022

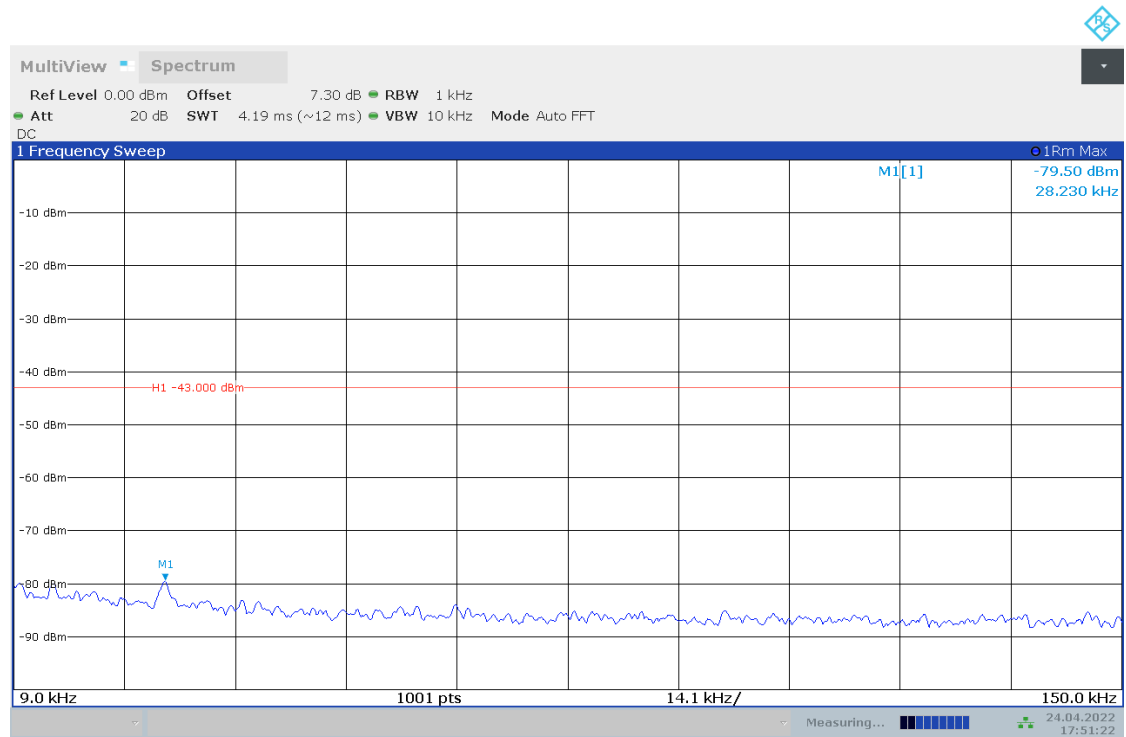
6 Appendix_F: Spurious Emission at Antenna Terminal

6.1 Test Results

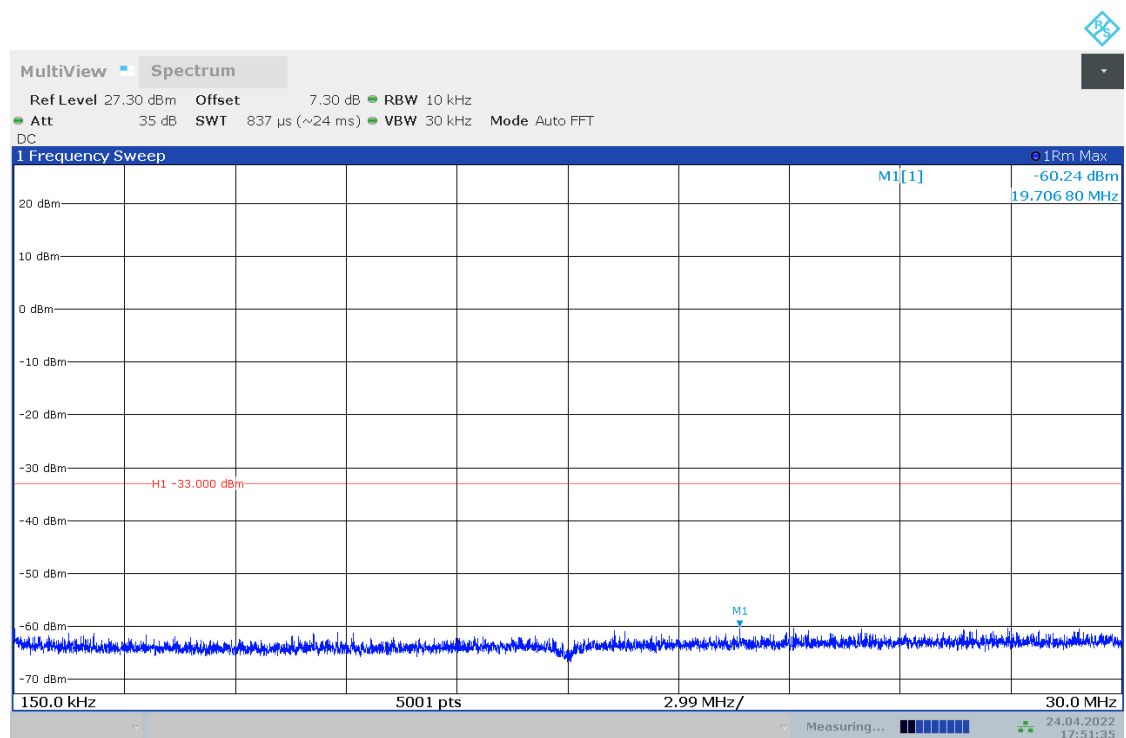
Test Band	Test Mode	Test Channel	Measured Emissions Conformed to the Relevant Limits?	Verdict
2	TM1	LCH	Yes	PASS
		MCH	Yes	PASS
		HCH	Yes	PASS

6.2 Test Plots

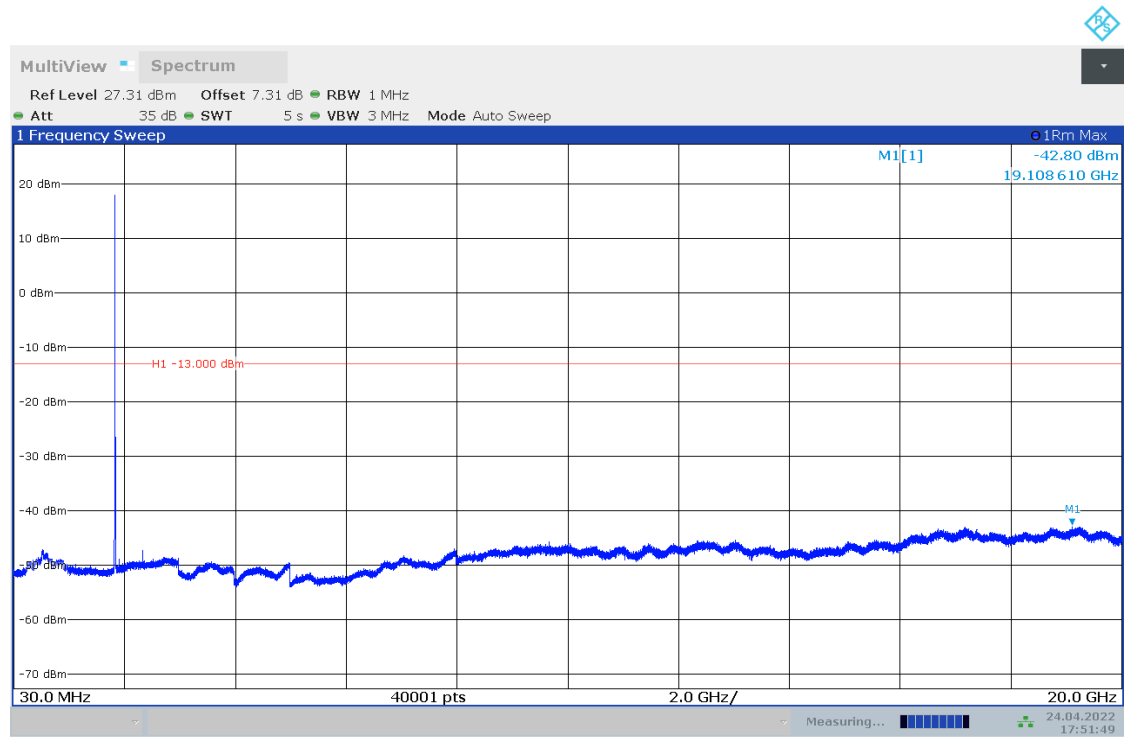
Band 2_TM1_LCH



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17:51:36 24.04.2022

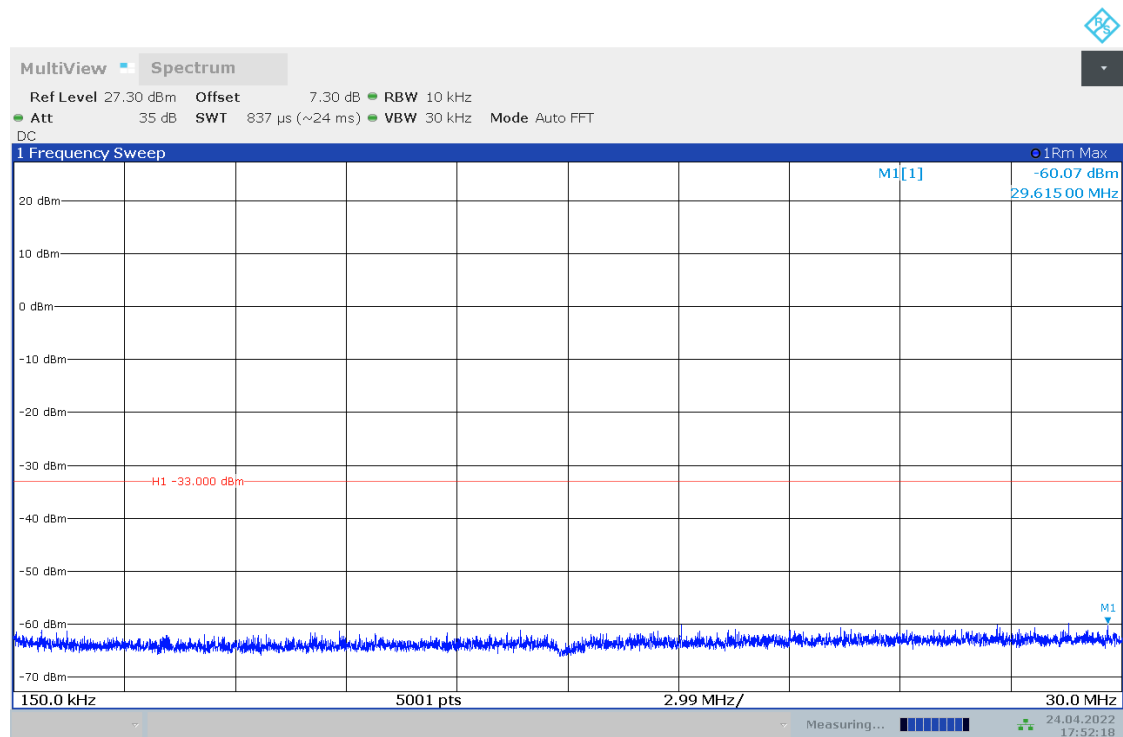


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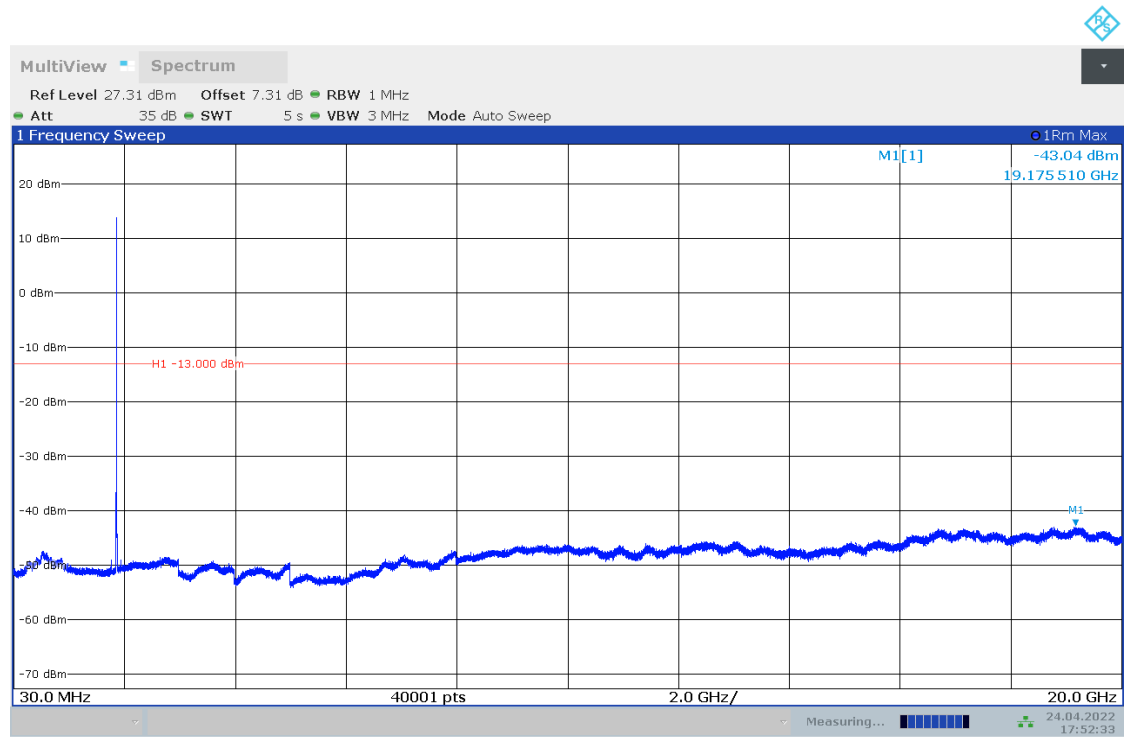
Band 2_TM1_MCH



17:52:06 24.04.2022

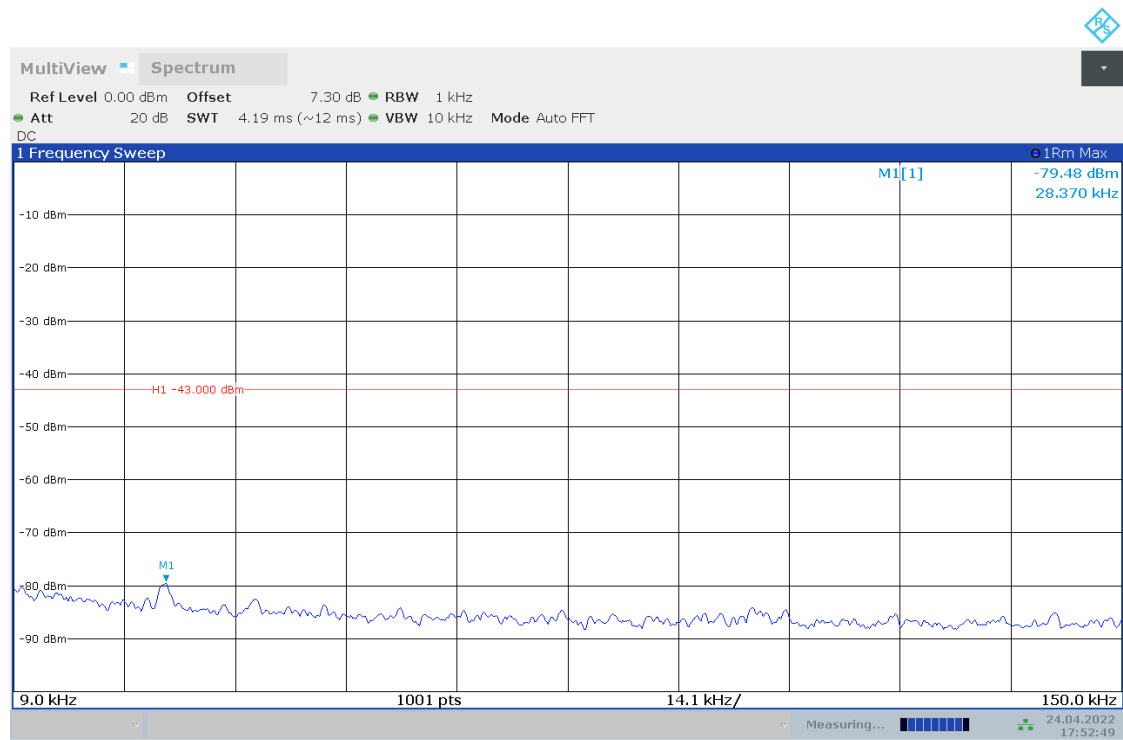


17:52:19 24.04.2022

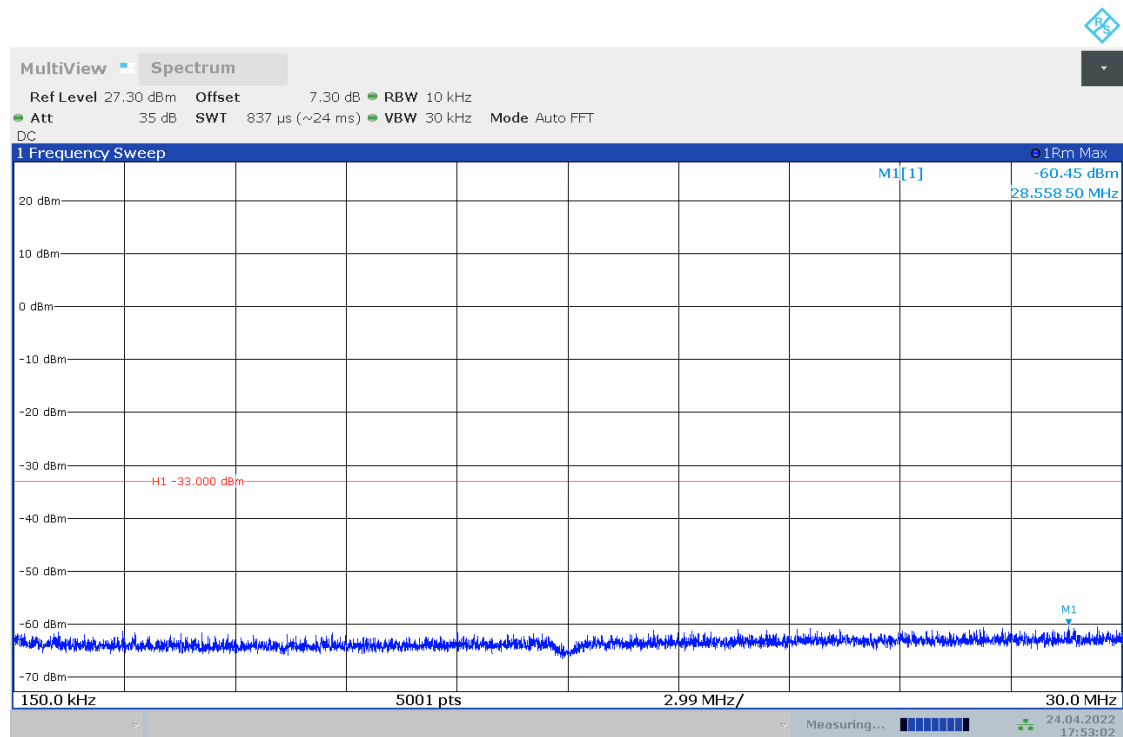


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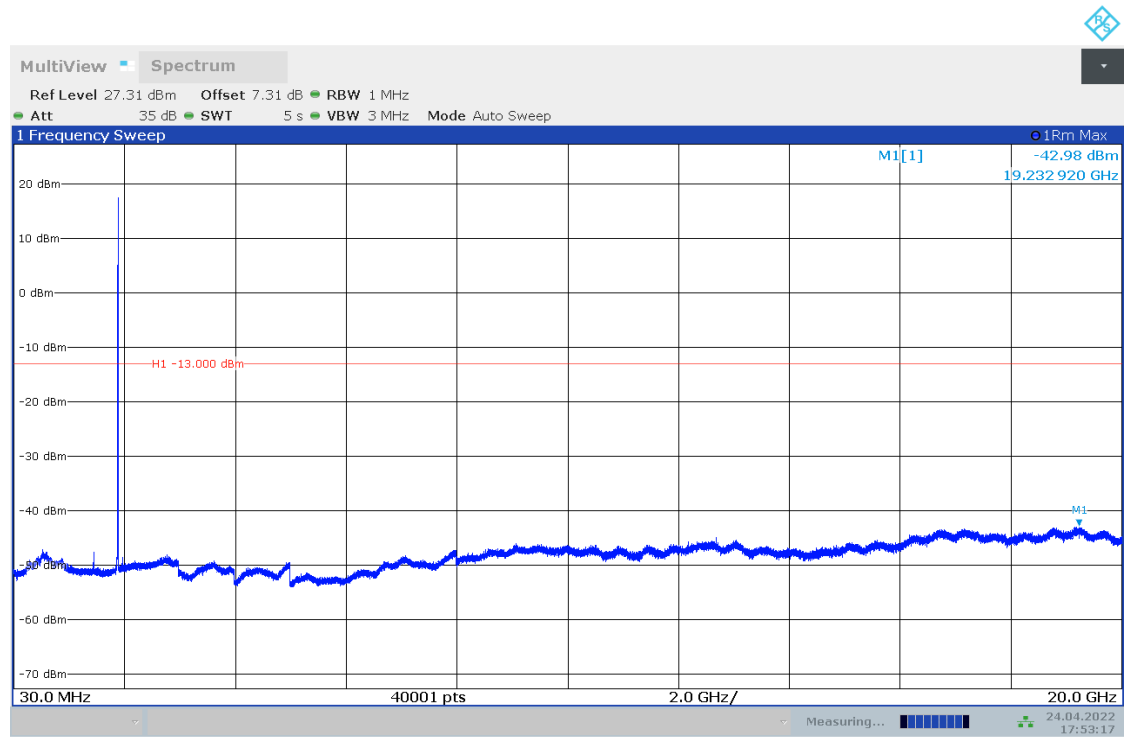
Band 2_TM1_HCH



17:52:50 24.04.2022



17:53:03 24.04.2022



17:53:17 24.04.2022

7 Appendix_G: Frequency Stability

7.1 Test Results

Frequency Error vs. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
2	TM1	LCH	TN	VH	3.44	0.0	PASS
			TN	VN	3.14	0.0	PASS
			TN	VL	2.19	0.0	PASS
		MCH	TN	VH	-1.52	-0.0	PASS
			TN	VN	-0.88	-0.0	PASS
			TN	VL	-0.58	-0.0	PASS
		HCH	TN	VH	-1.81	-0.0	PASS
			TN	VN	-1.67	-0.0	PASS
			TN	VL	-1.47	-0.0	PASS

Frequency Error vs. Temperature

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
2	TM1	LCH	VN	-30	2.30	0.0	PASS
			VN	-20	2.35	0.0	PASS
			VN	-10	2.67	0.0	PASS
			VN	0	2.10	0.0	PASS
			VN	10	0.89	0.0	PASS
			VN	20	-0.93	-0.0	PASS
			VN	30	1.10	0.0	PASS
			VN	40	0.87	0.0	PASS
			VN	50	-0.50	-0.0	PASS
		MCH	VN	-30	-0.63	-0.0	PASS
			VN	-20	-0.94	-0.0	PASS
			VN	-10	0.01	0.0	PASS
			VN	0	-0.99	-0.0	PASS
			VN	10	-0.63	-0.0	PASS
			VN	20	-0.26	-0.0	PASS
			VN	30	-0.70	-0.0	PASS
			VN	40	0.61	0.0	PASS
			VN	50	0.77	0.0	PASS
		HCH	VN	-30	-0.70	-0.0	PASS
			VN	-20	-1.79	-0.0	PASS
			VN	-10	-1.44	-0.0	PASS
			VN	0	-2.23	-0.0	PASS
			VN	10	-1.89	-0.0	PASS
			VN	20	-2.68	-0.0	PASS
			VN	30	-1.81	-0.0	PASS
			VN	40	-2.55	-0.0	PASS
			VN	50	-2.02	-0.0	PASS

End of Test Report