

Appendix for WCDMA Band V

Model: VNE-N41

BTL-FCCP-6-2204C233

CONTENT

1	Appendix_A: Effective (Isotropic) Radiated Power of Transmitter.....	3
1.1	Test Results.....	3
2	Appendix_B: Peak-to-Average Ratio	4
2.1	Test Results.....	4
3	Appendix_C: Modulation Characteristics	5
3.1	Test Plots.....	5
	Band 5_TM1_MCH.....	5
4	Appendix_D: Occupied Bandwidth.....	6
4.1	Test Results.....	6
4.2	Test Plots.....	7
	Band 5_TM1_LCH.....	7
	Band 5_TM1_MCH.....	8
	Band 5_TM1_HCH	9
5	Appendix_E: Band Edges Compliance	10
5.1	Test Results.....	10
5.2	Test Plots.....	11
	Band 5_TM1_LCH.....	11
	Band 5_TM1_HCH	11
6	Appendix_F: Spurious Emission at Antenna Terminal.....	12
6.1	Test Results.....	12
6.2	Test Plots.....	13
	Band 5_TM1_LCH.....	13
	Band 5_TM1_MCH.....	15
	Band 5_TM1_HCH	17
7	Appendix_G: Frequency Stability.....	19
7.1	Test Results.....	19
	Frequency Error vs. Voltage	19
	Frequency Error vs. Temperature	20

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
5	TM1	LCH	24.20	0.2	22.25	38.45	PASS
		MCH	24.63	0.2	22.68	38.45	PASS
		HCH	24.53	0.2	22.58	38.45	PASS

2 Appendix_B: Peak-to-Average Ratio

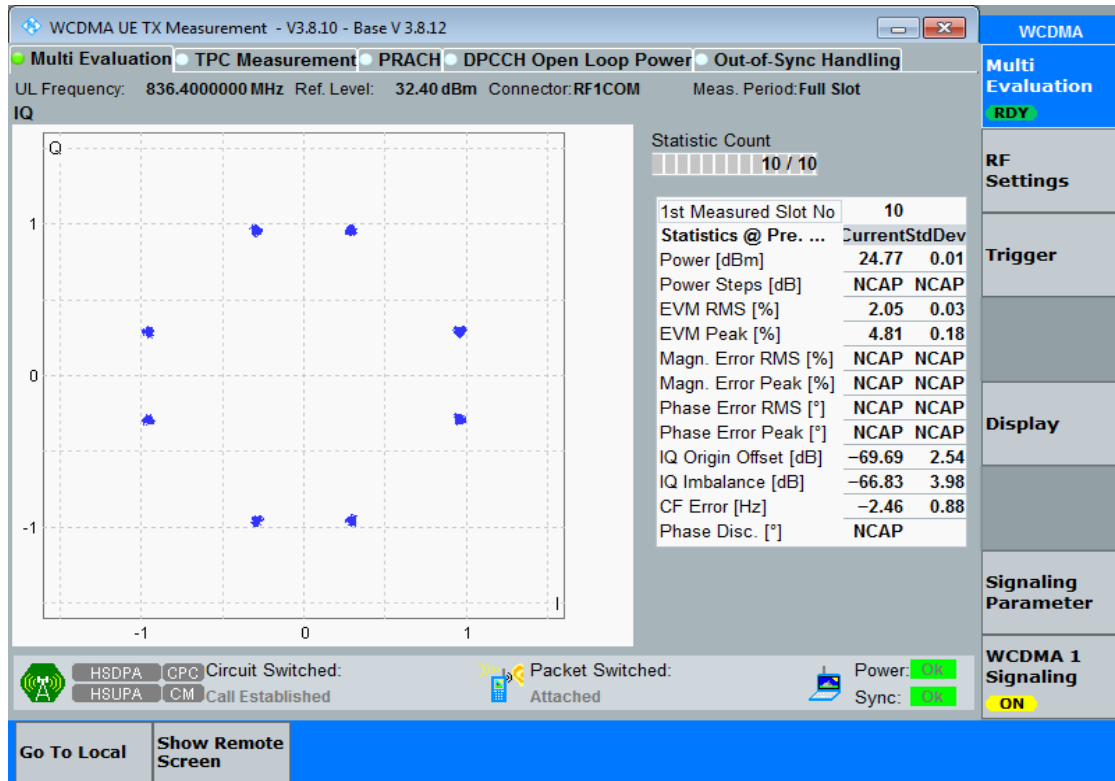
2.1 Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
5	TM1	LCH	2.94	13	PASS
		MCH	3.08	13	PASS
		HCH	2.85	13	PASS

3 Appendix_C: Modulation Characteristics

3.1 Test Plots

Band 5_TM1_MCH



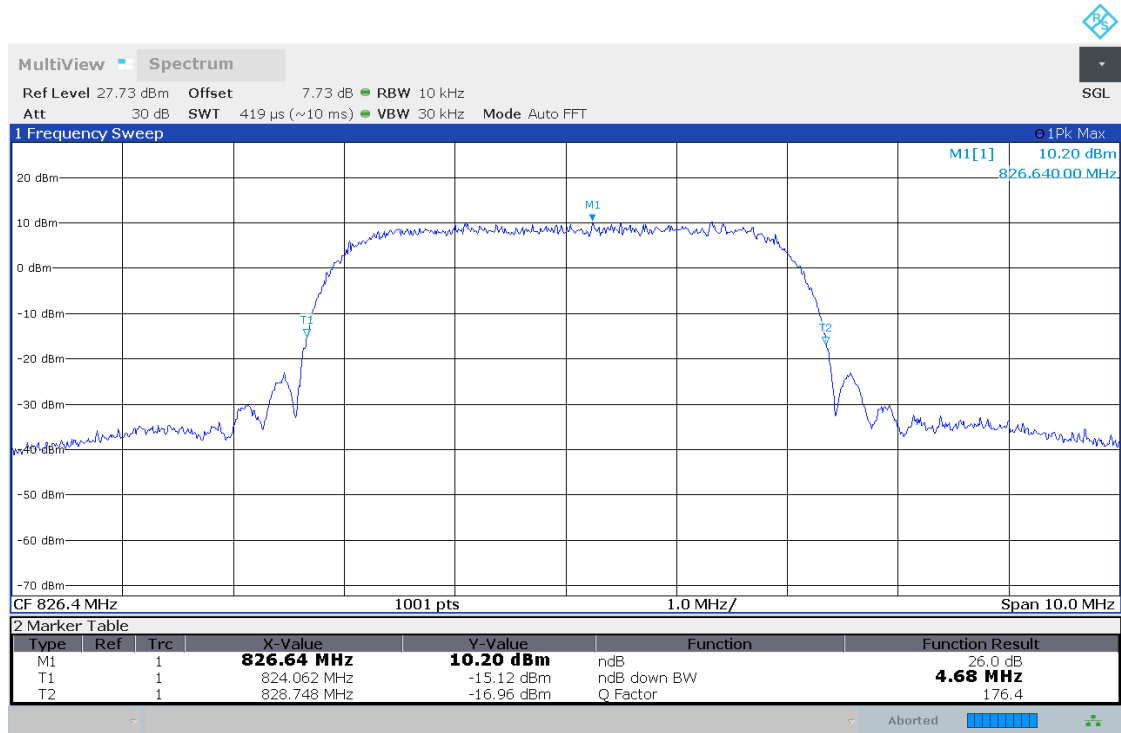
4 Appendix_D: Occupied Bandwidth

4.1 Test Results

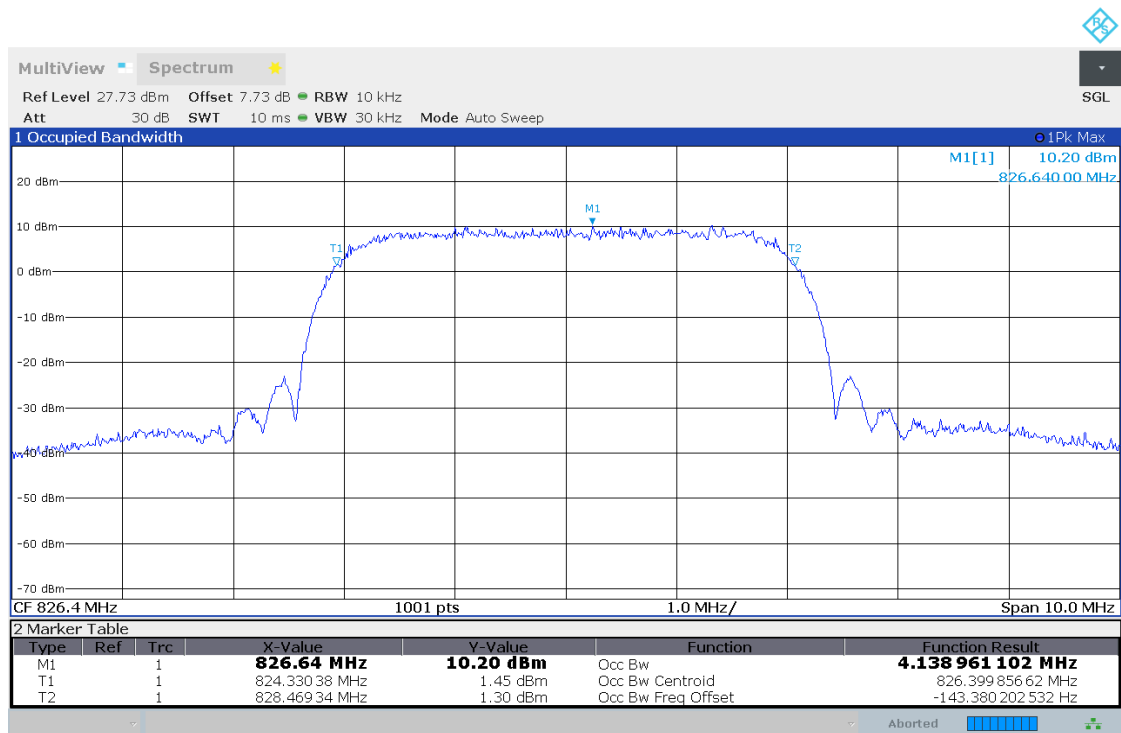
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
5	TM1	LCH	4.14	4.68	PASS
		MCH	4.14	4.68	PASS
		HCH	4.14	4.68	PASS

4.2 Test Plots

Band 5_TM1_LCH

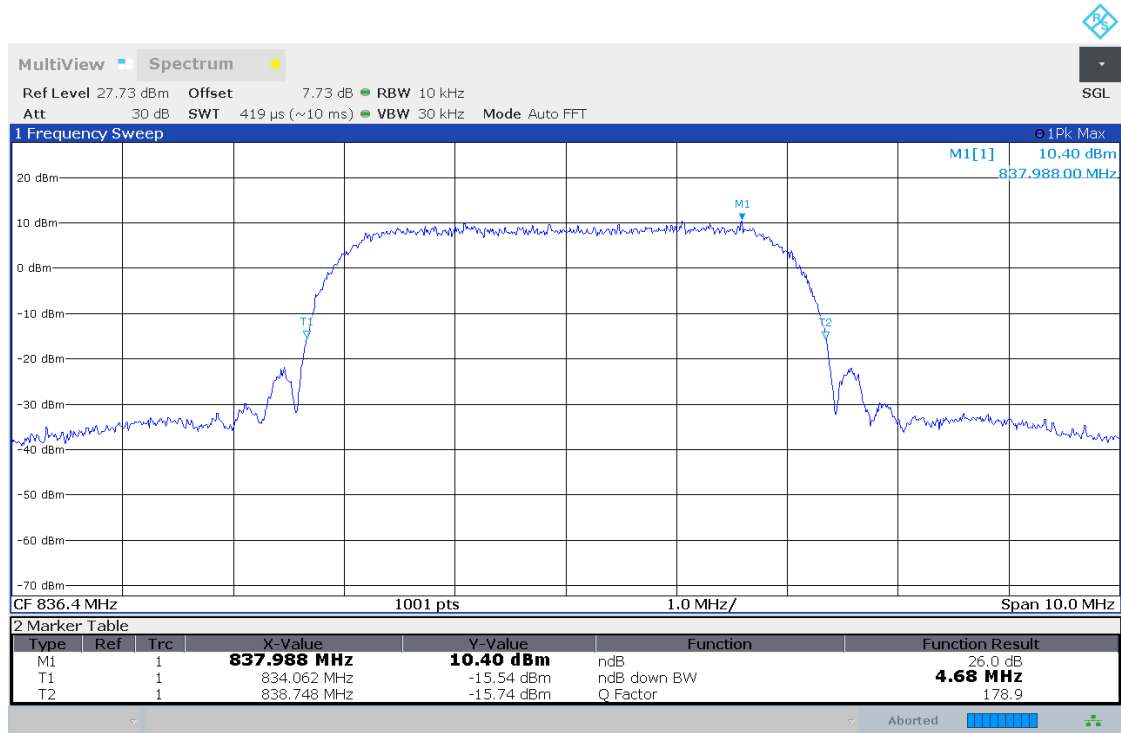


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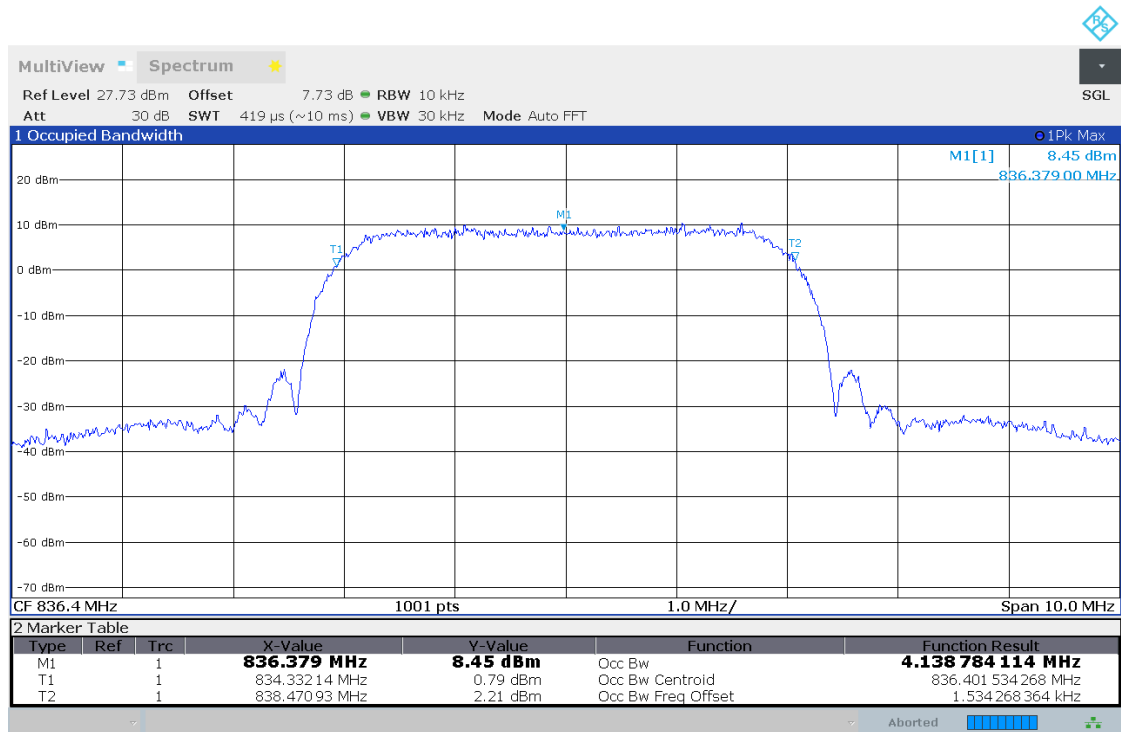


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Band 5_TM1_MCH

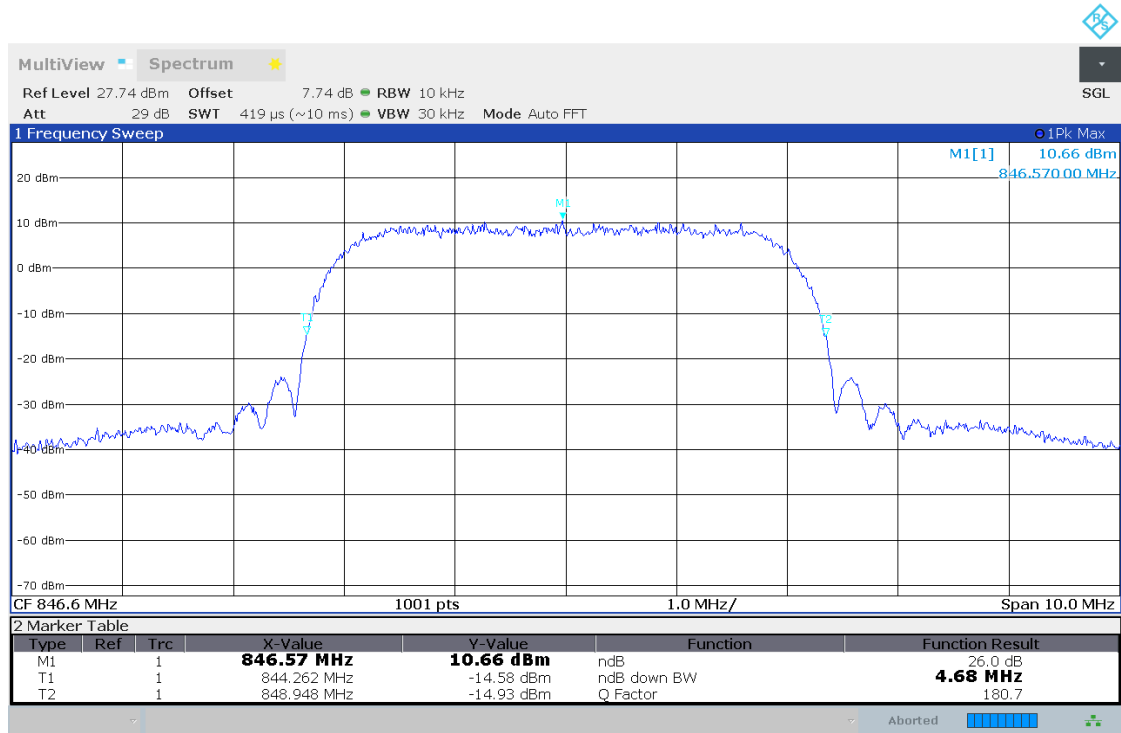


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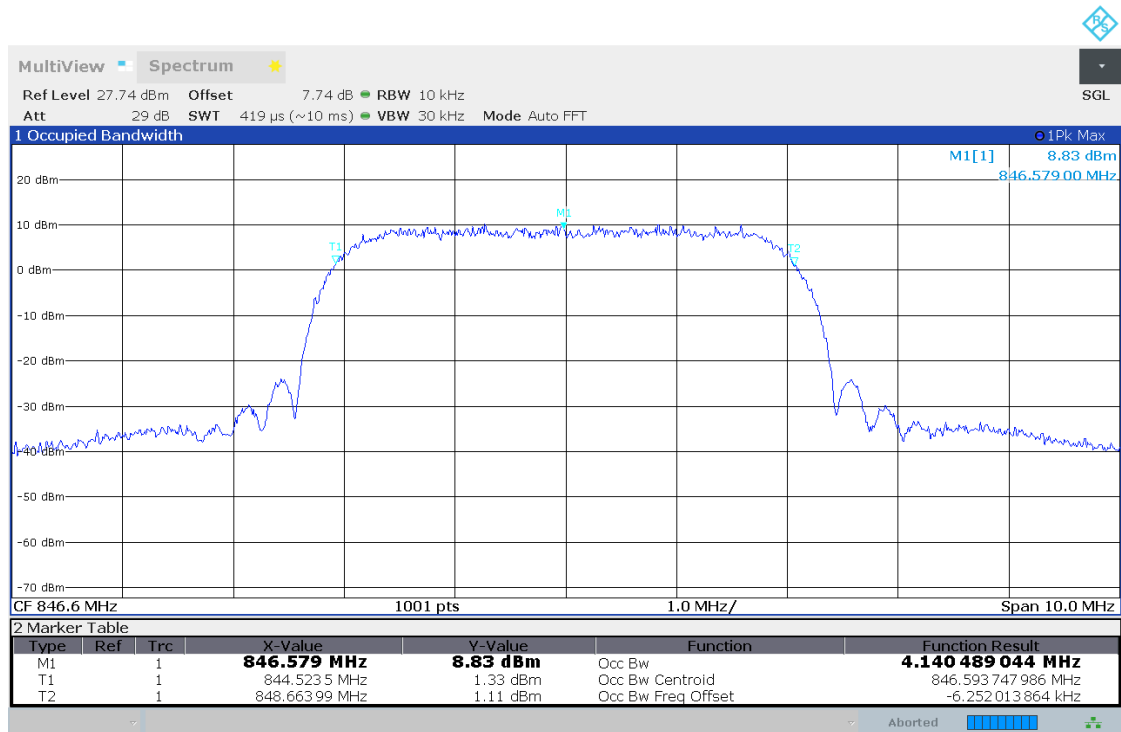


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Band 5_TM1_HCH



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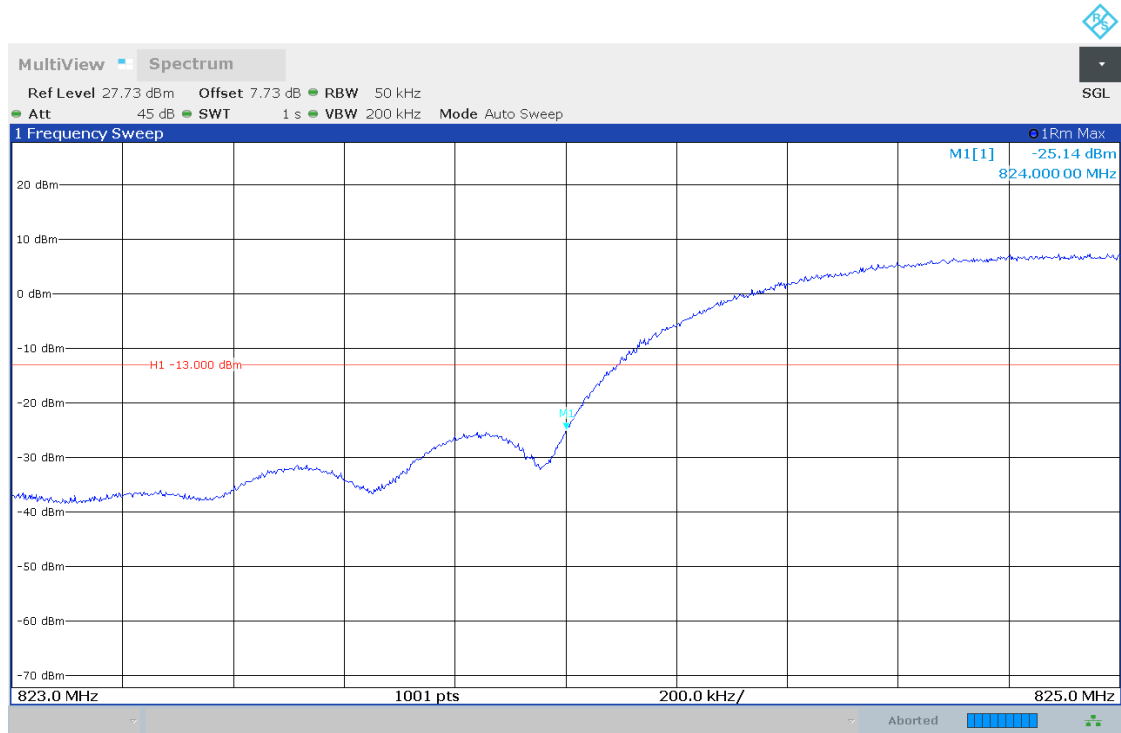
5 Appendix_E: Band Edges Compliance

5.1 Test Results

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

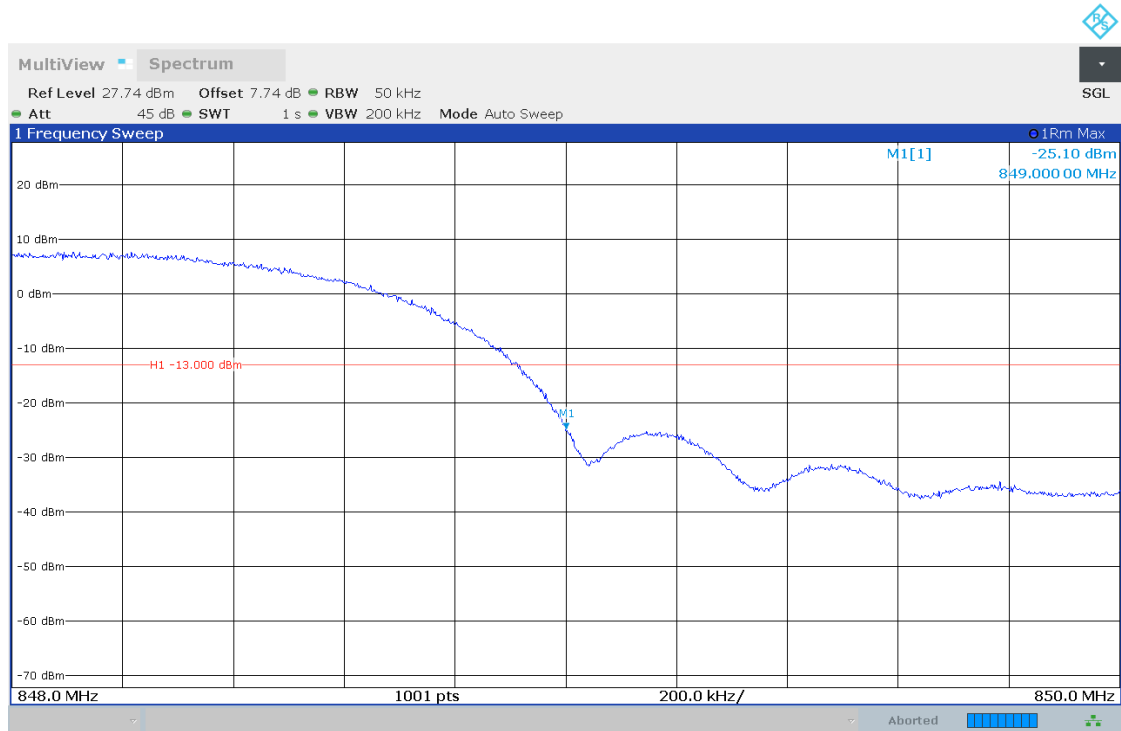
5.2 Test Plots

Band 5_TM1_LCH



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Band 5_TM1_HCH



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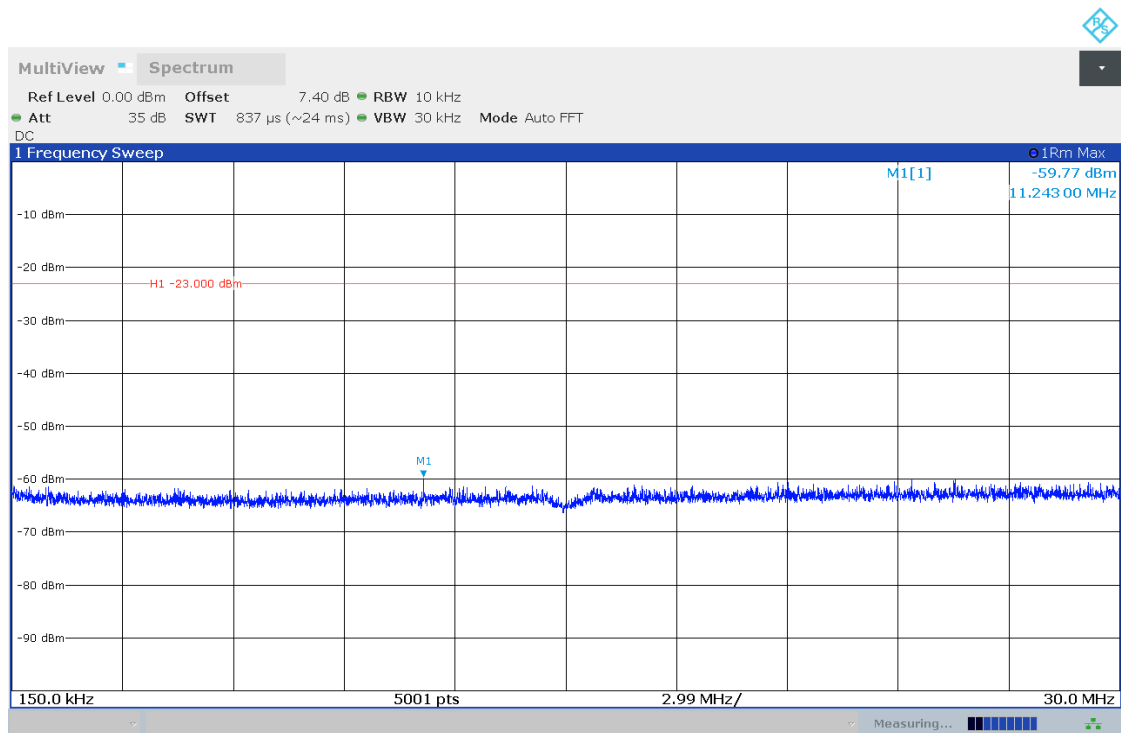
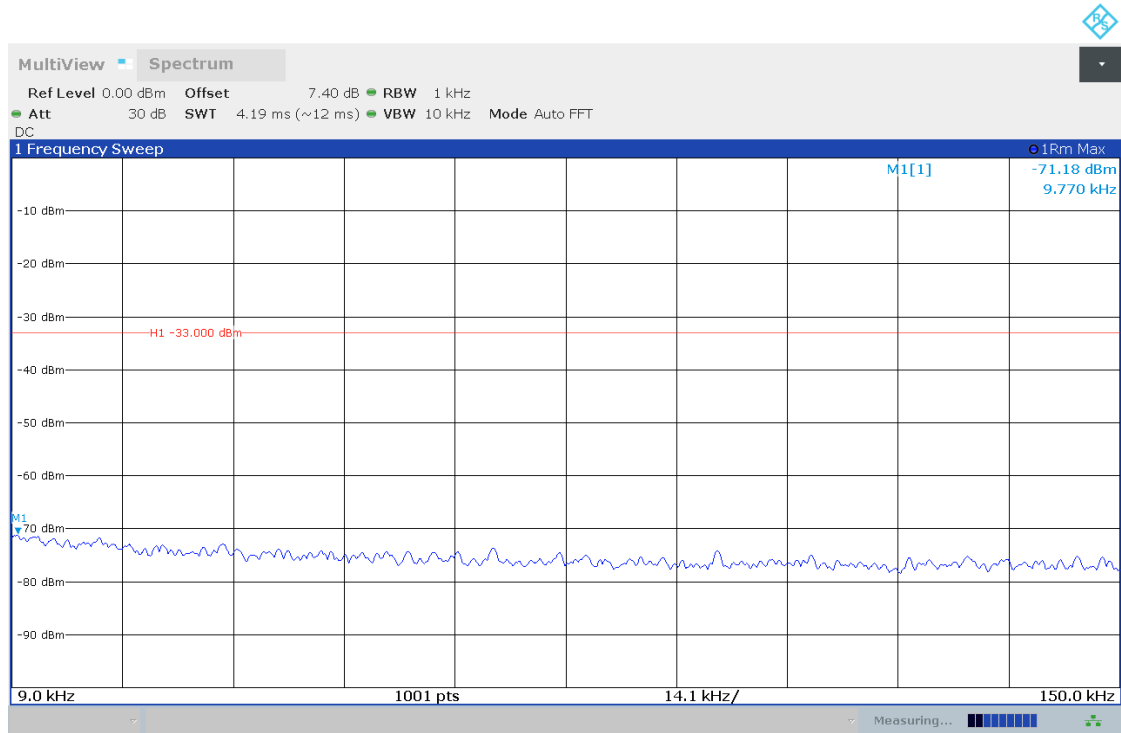
6 Appendix_F: Spurious Emission at Antenna Terminal

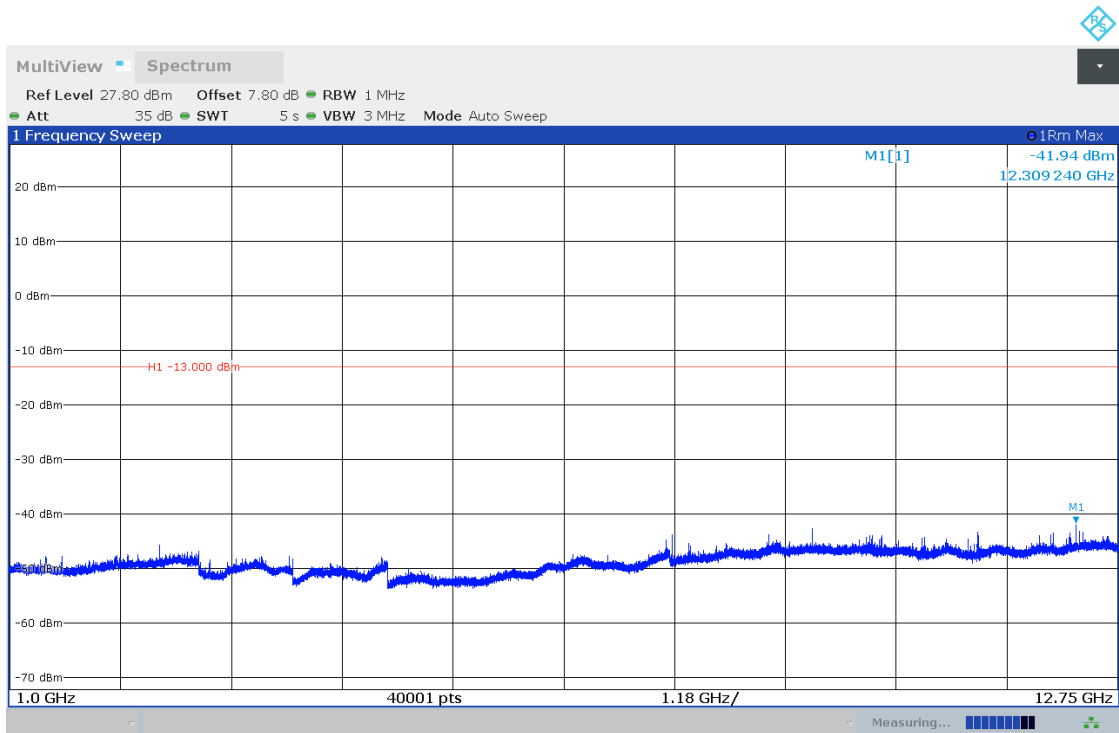
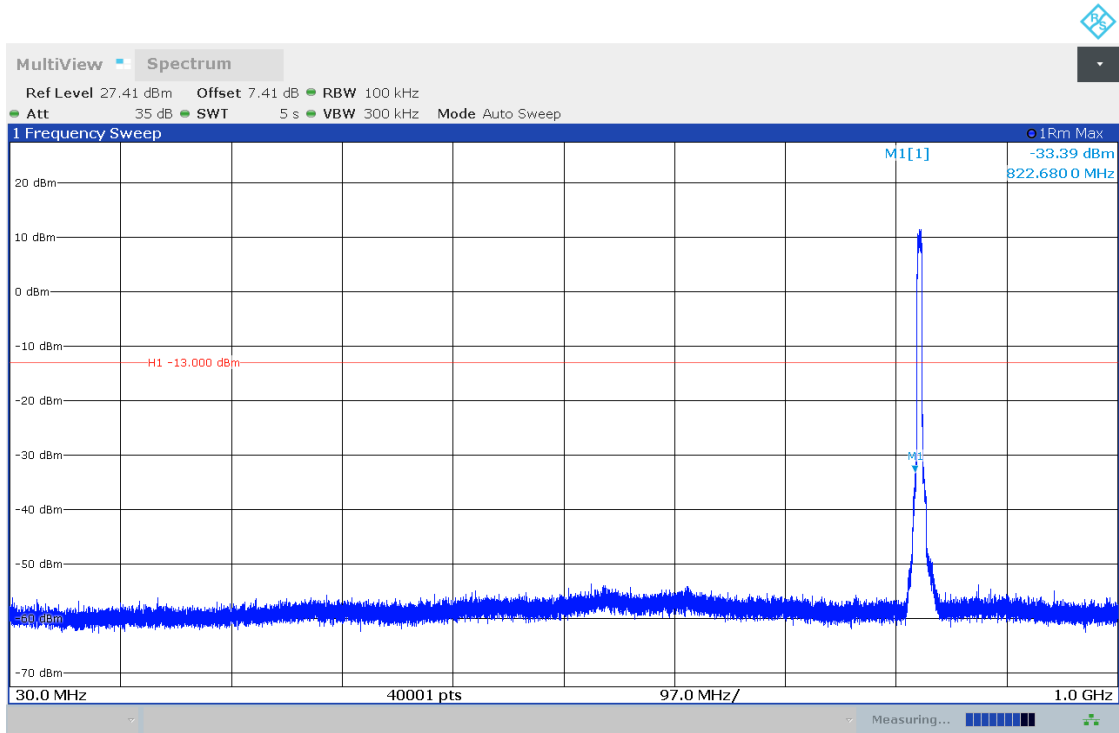
6.1 Test Results

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

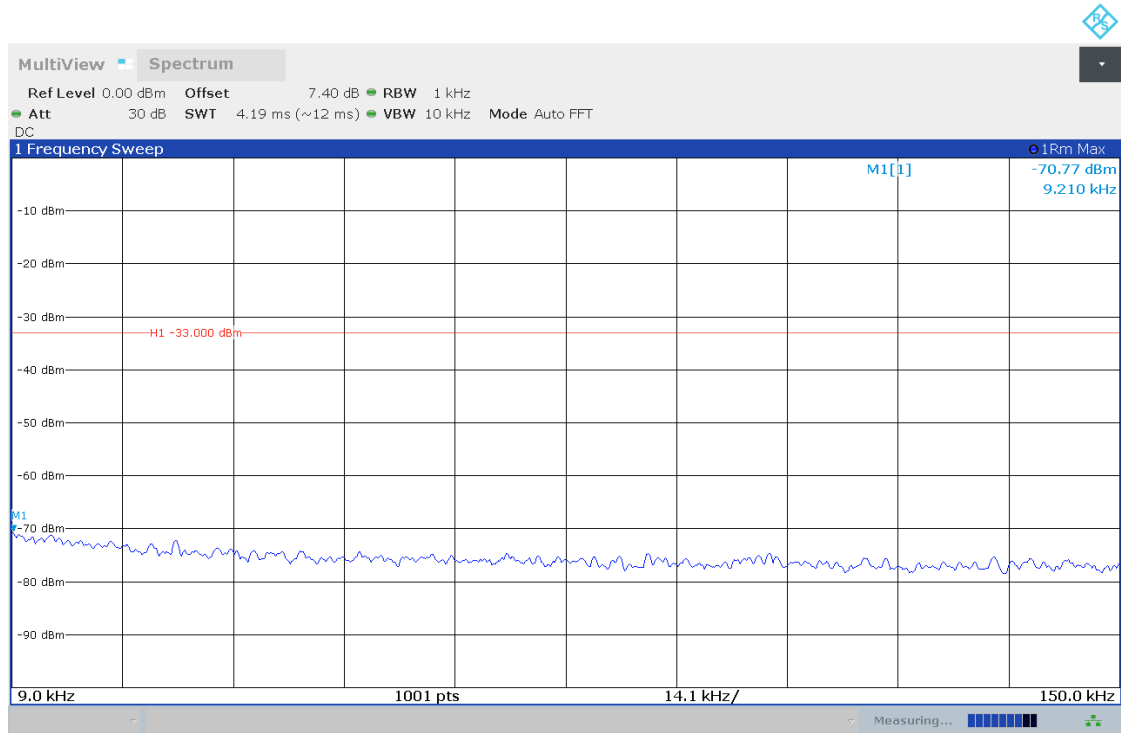
6.2 Test Plots

Band 5_TM1_LCH

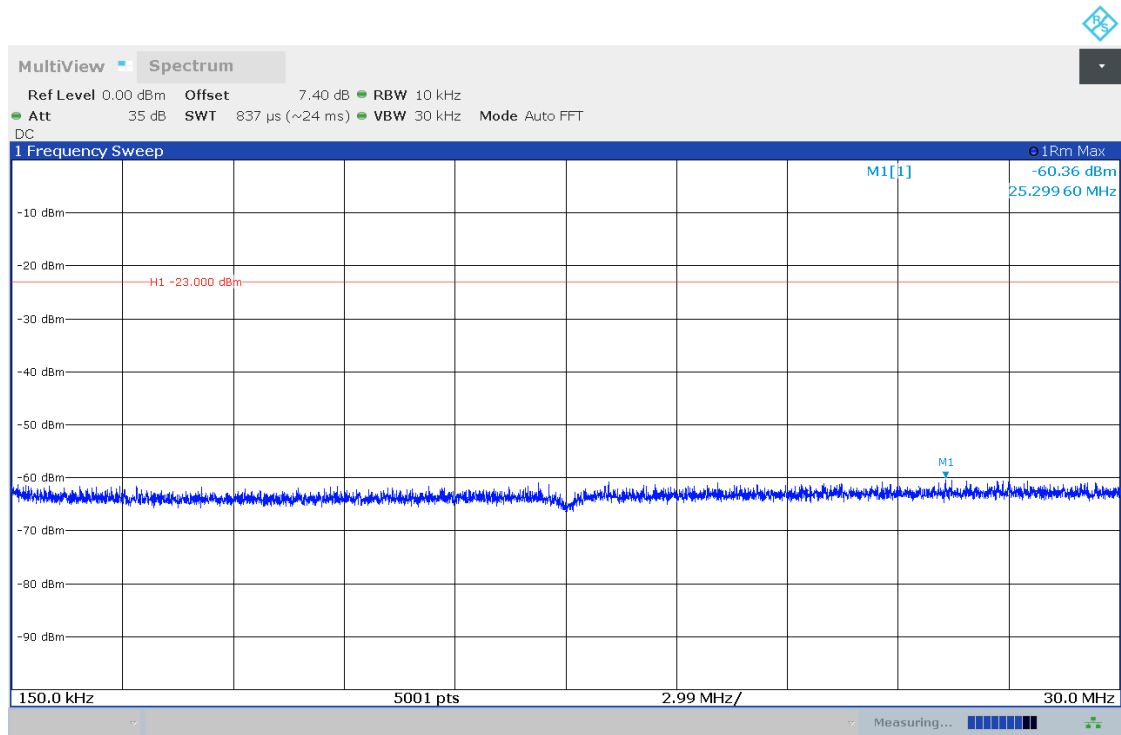




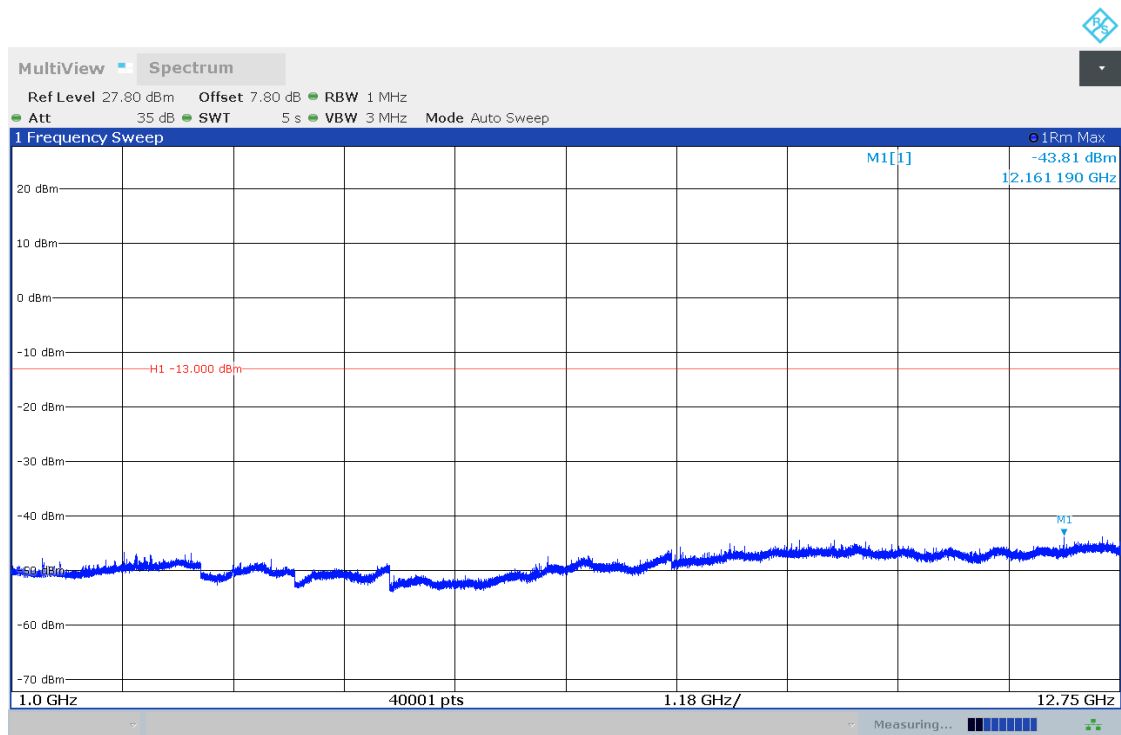
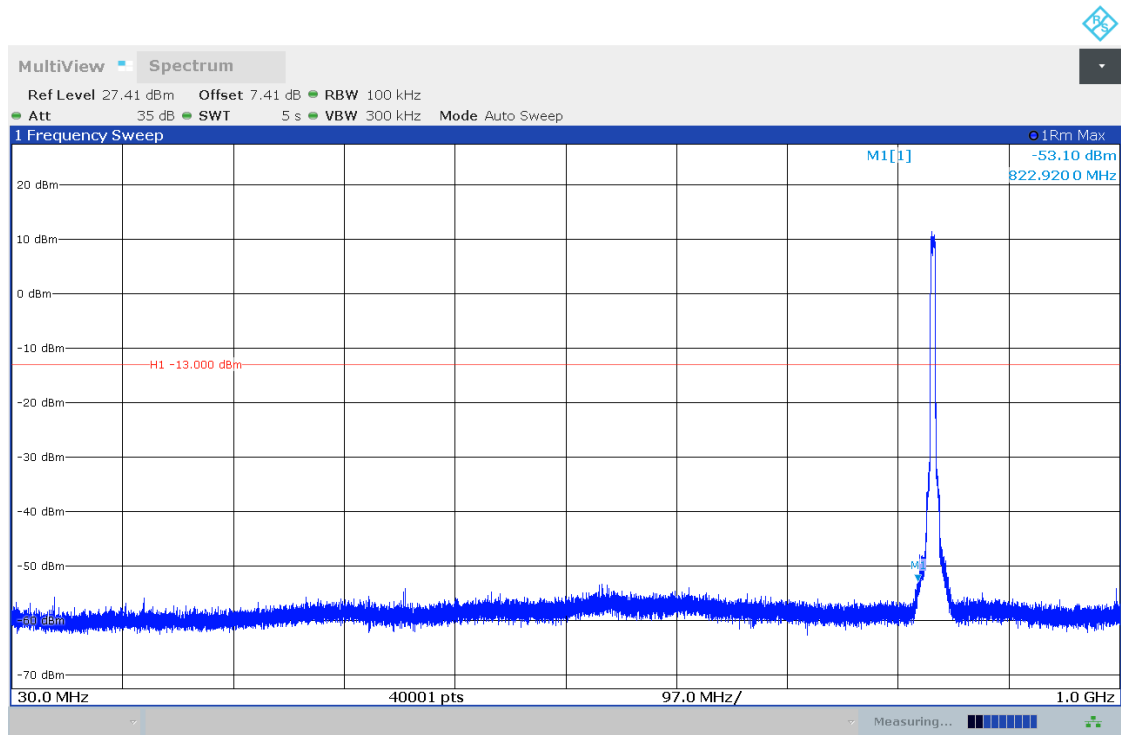
Band 5_TM1_MCH



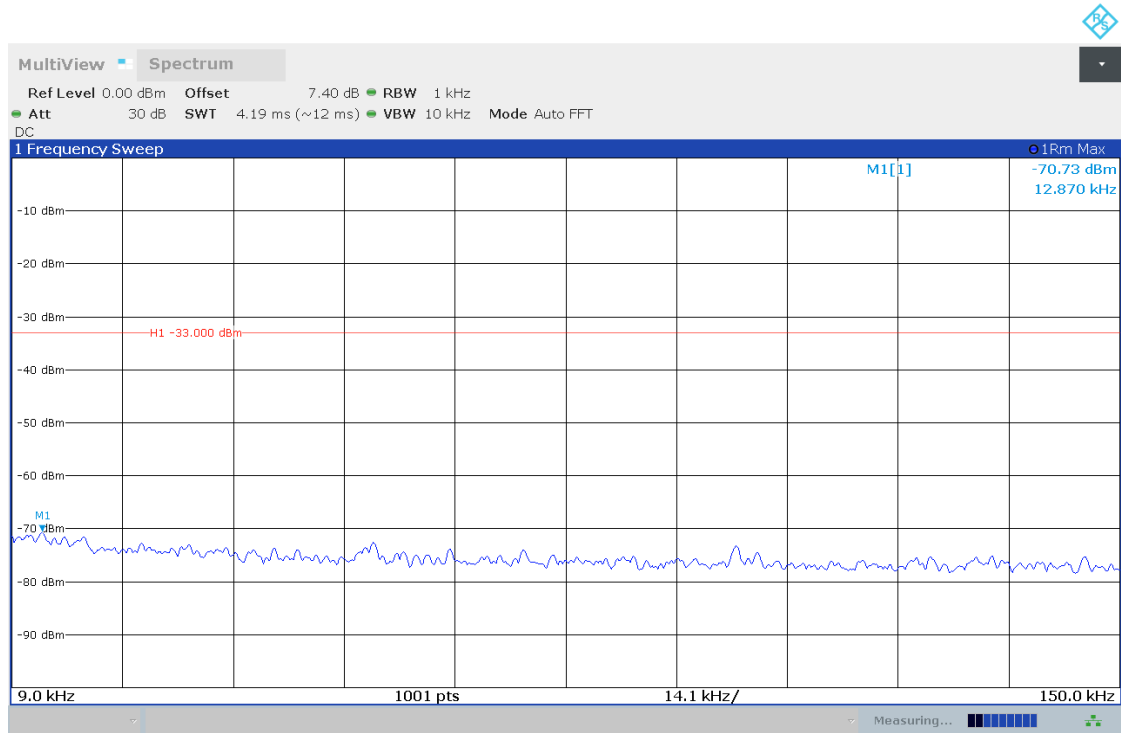
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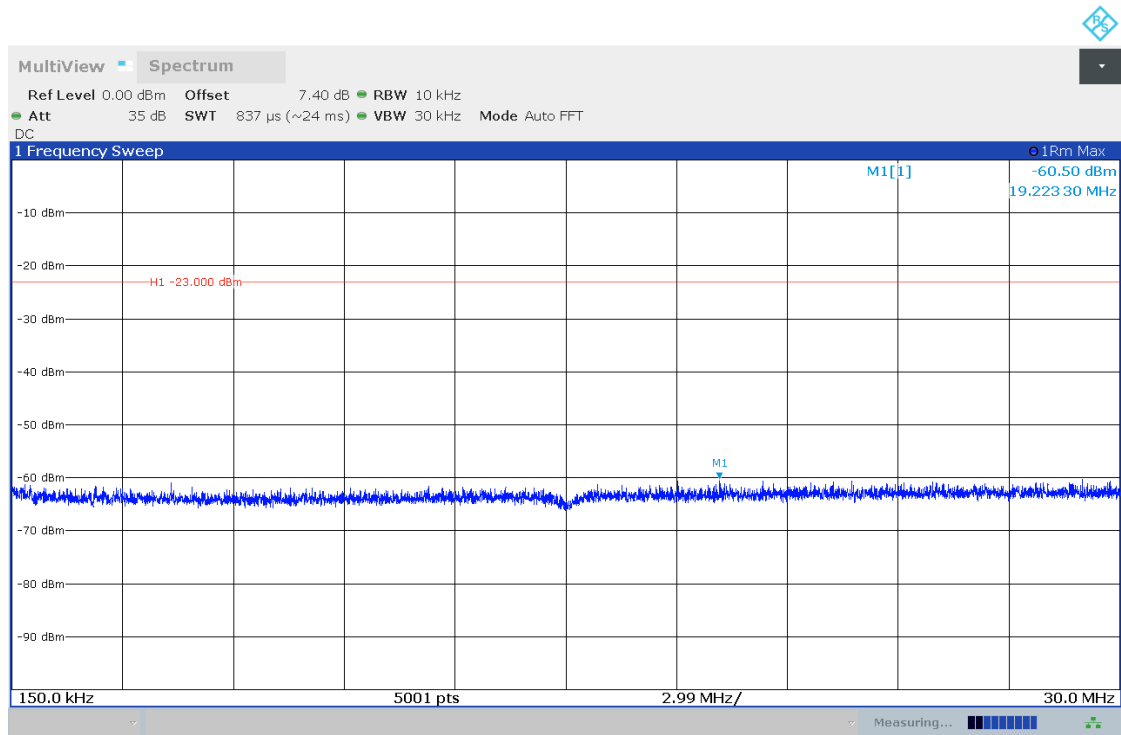
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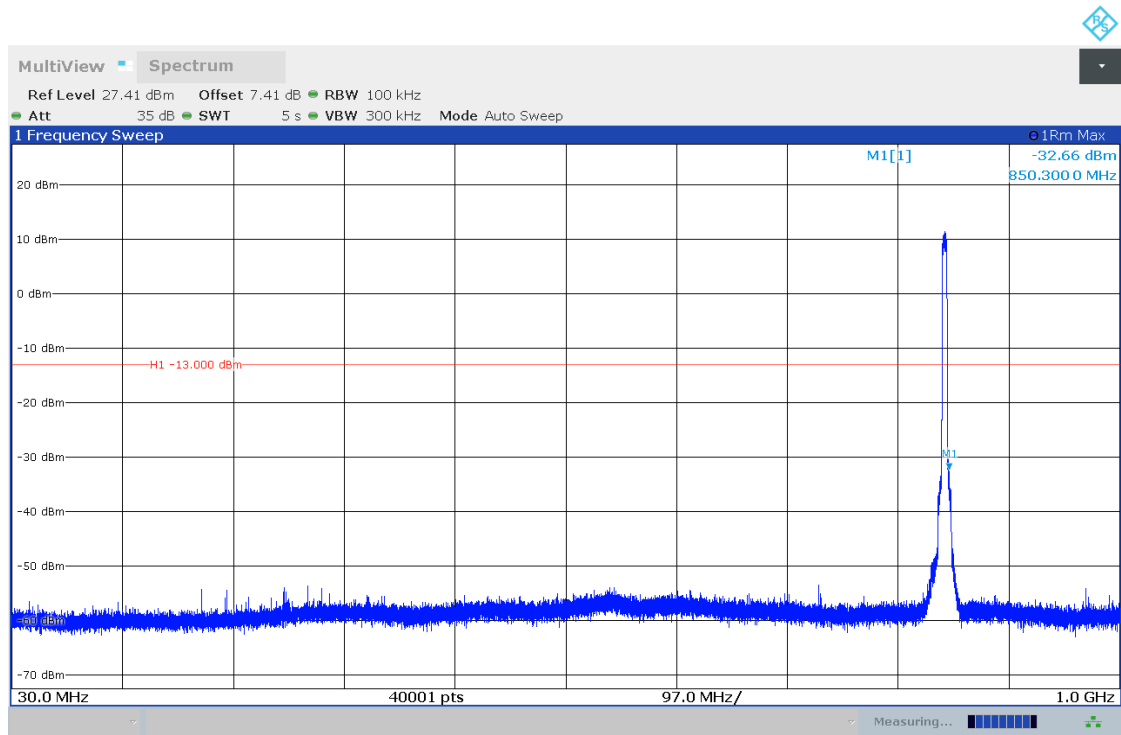
Band 5_TM1_HCH



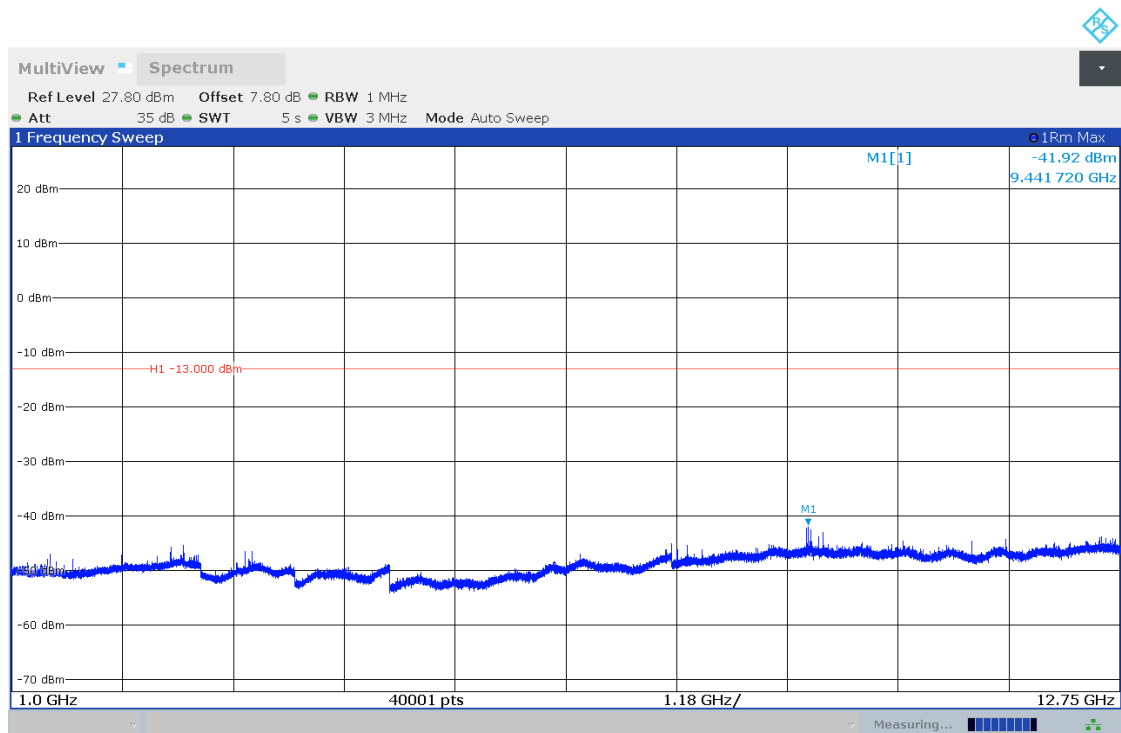
14:59:16 26.04.2022



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14:59:47 26.04.2022



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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
5	TM1	LCH	TN	VH	1.02	0.0	PASS
			TN	VN	0.48	0.0	PASS
			TN	VL	0.46	0.0	PASS
		MCH	TN	VH	-1.05	-0.0	PASS
			TN	VN	-1.21	-0.0	PASS
			TN	VL	-1.07	-0.0	PASS
		HCH	TN	VH	-1.81	-0.0	PASS
			TN	VN	-2.16	-0.0	PASS
			TN	VL	-2.15	-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
5	TM1	LCH	VN	-30	0.36	0.0	PASS
			VN	-20	0.42	0.0	PASS
			VN	-10	0.24	0.0	PASS
			VN	0	0.13	0.0	PASS
			VN	10	0.08	0.0	PASS
			VN	20	-0.18	-0.0	PASS
			VN	30	-0.00	-0.0	PASS
			VN	40	0.07	0.0	PASS
			VN	50	-0.30	-0.0	PASS
		MCH	VN	-30	-0.97	-0.0	PASS
			VN	-20	-0.73	-0.0	PASS
			VN	-10	-1.01	-0.0	PASS
			VN	0	-0.94	-0.0	PASS
			VN	10	-0.95	-0.0	PASS
			VN	20	-0.86	-0.0	PASS
			VN	30	-1.40	-0.0	PASS
			VN	40	-0.38	-0.0	PASS
			VN	50	-0.37	-0.0	PASS
		HCH	VN	-30	-1.91	-0.0	PASS
			VN	-20	-2.16	-0.0	PASS
			VN	-10	-1.96	-0.0	PASS
			VN	0	-1.70	-0.0	PASS
			VN	10	-2.00	-0.0	PASS
			VN	20	-1.61	-0.0	PASS
			VN	30	-2.23	-0.0	PASS
			VN	40	-2.13	-0.0	PASS
			VN	50	-1.30	-0.0	PASS

End of Test Report