



Appendix B

WCDMA Band2&4&5



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1. Appendix A: Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	9262	22.74	25.74	33	PASS
Band II	9400	22.77	25.77	33	PASS
Band II	9538	22.77	25.77	33	PASS

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band IV	1312	23.28	26.28	30	PASS
Band IV	1413	23.23	26.23	30	PASS
Band IV	1513	23.38	26.38	30	PASS

Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band V	4132	23.29	24.14	38.5	PASS
Band V	4182	23.47	24.32	38.5	PASS
Band V	4233	23.40	24.25	38.5	PASS

Note:

a: For getting the ERP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

b: SGP=Signal Generator Level



2. Appendix B: Peak-to-Average Ratio

2.1. Test Result

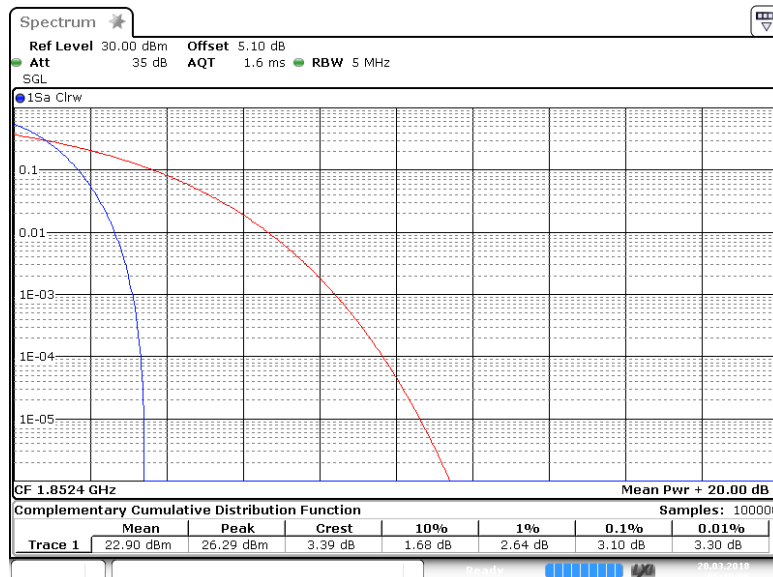
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band II	9262	3.10	13	PASS
Band II	9400	3.10	13	PASS
Band II	9538	3.10	13	PASS
Band IV	1312	2.90	13	PASS
Band IV	1413	2.90	13	PASS
Band IV	1513	2.90	13	PASS
Band V	4132	2.99	13	PASS
Band V	4182	2.99	13	PASS
Band V	4233	2.99	13	PASS

Part II - Test Plots

2.2. For WCDMA band II

2.2.1. Test Mode = WCDMA/TM1

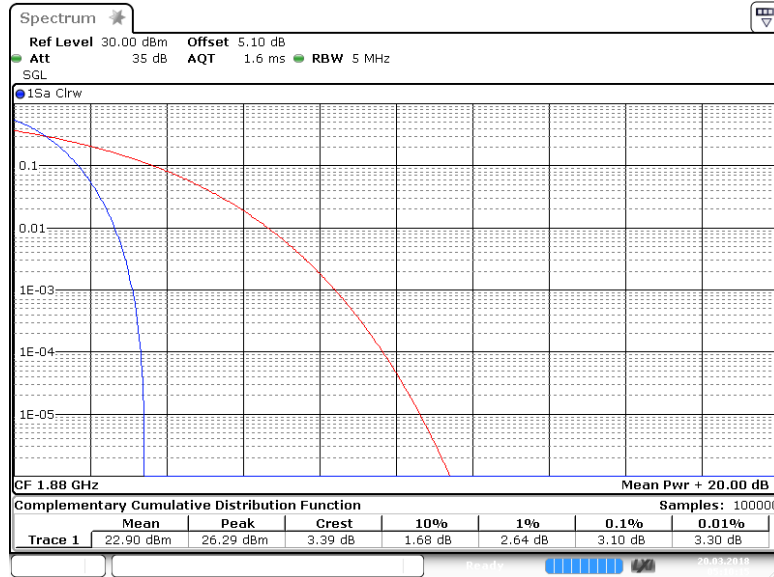
2.2.1.1. Test Channel = LCH



Date: 20 MAR 2018 05:10:06

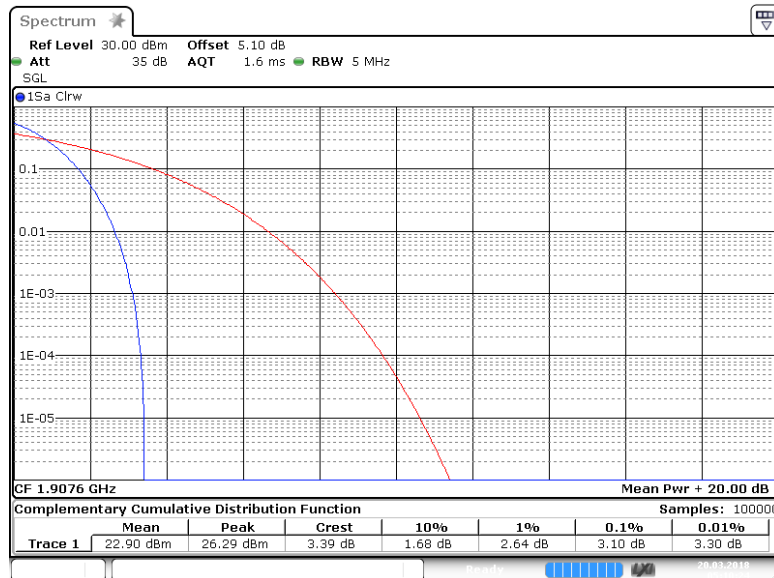


2.2.1.2. Test Channel = MCH



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2.2.1.3. Test Channel = HCH



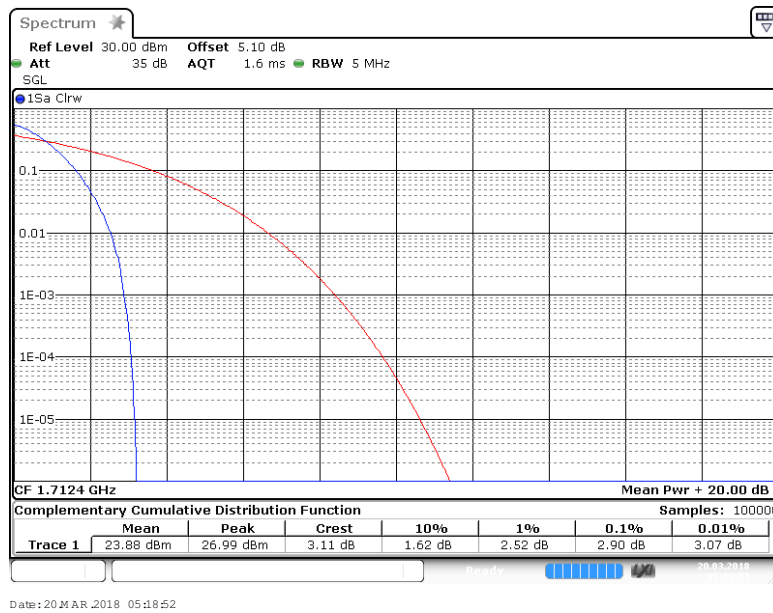
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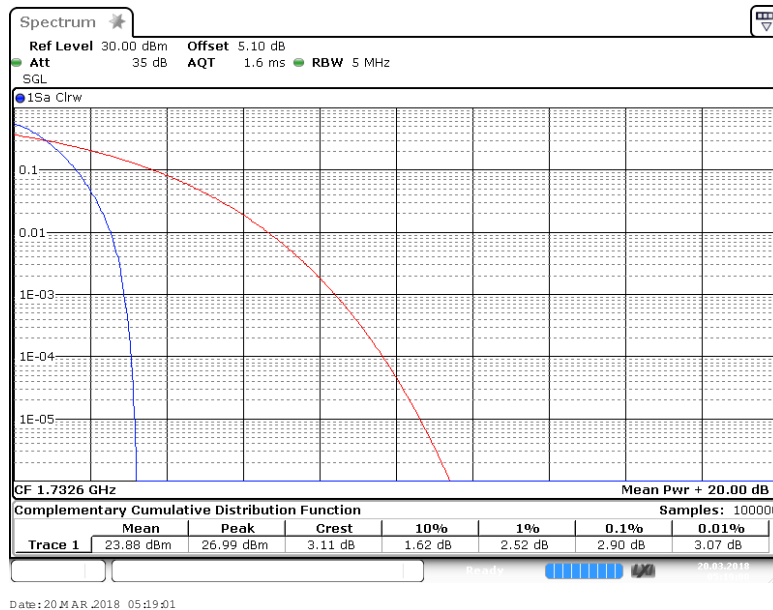
2.3. For WCDMA band IV

2.3.1. Test Mode = WCDMA/TM1

2.3.1.1. Test Channel = LCH

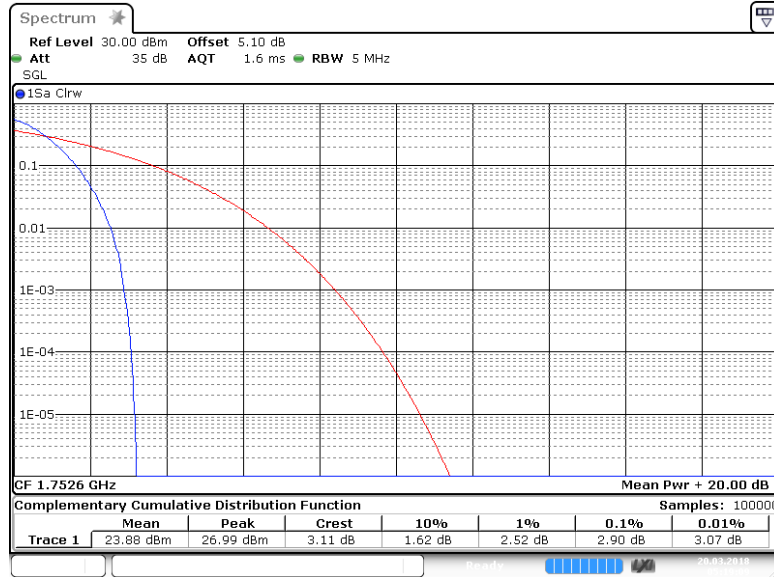


2.3.1.2. Test Channel = MCH





2.3.1.3. Test Channel = HCH

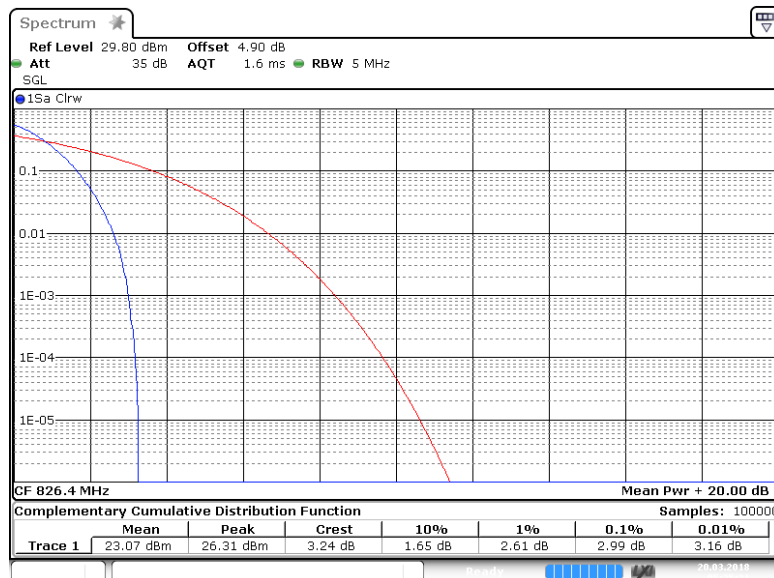


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2.4. For WCDMA band V

2.4.1. Test Mode = WCDMA/TM1

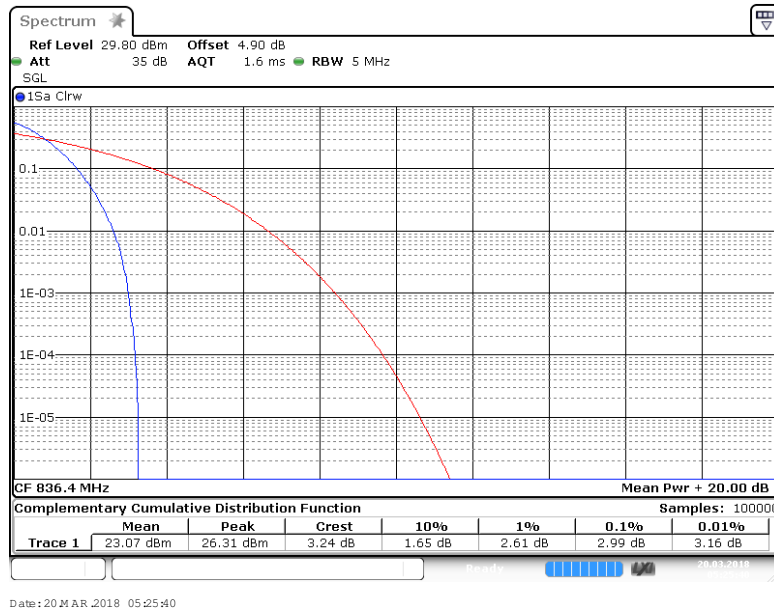
2.4.1.1. Test Channel = LCH



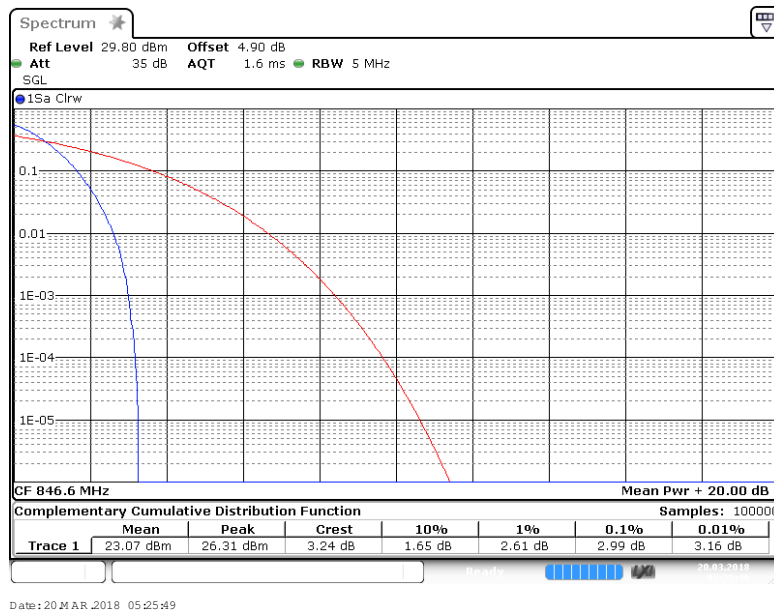
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2.4.1.2. Test Channel = MCH



2.4.1.3. Test Channel = HCH





3. Modulation Characteristics

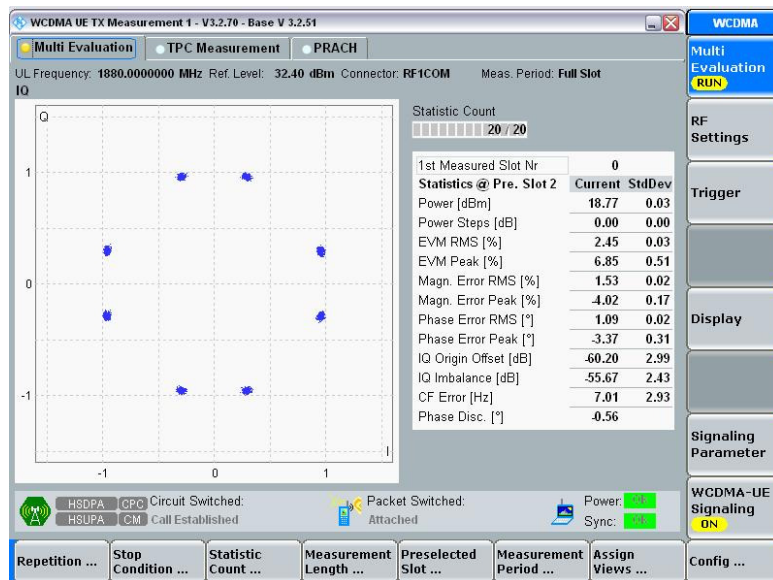
Part I - Test Plots

3.1. For WCDMA

3.1.1. Test Band = WCDMA1900

3.1.1.1. Test Mode = UMTS/TM1

3.1.1.1.1. Test Channel = MCH

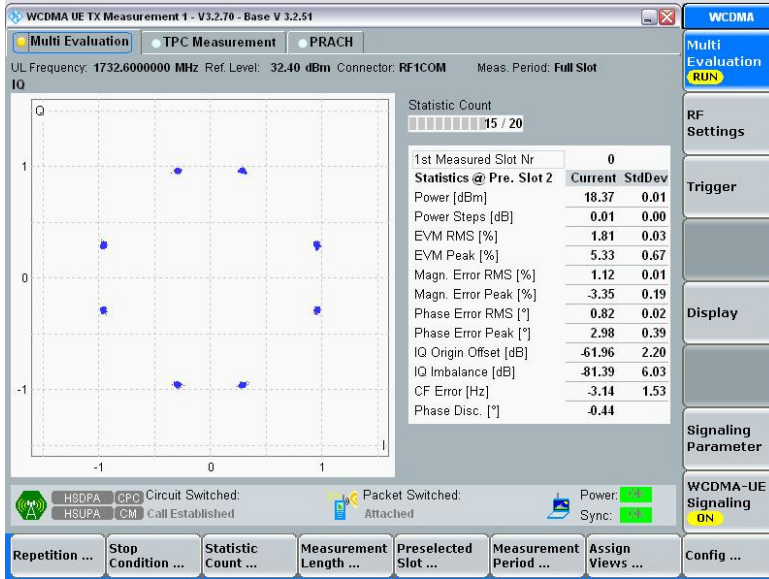




3.1.2. Test Band = WCDMA1700

3.1.2.1. Test Mode = UMTS/TM1

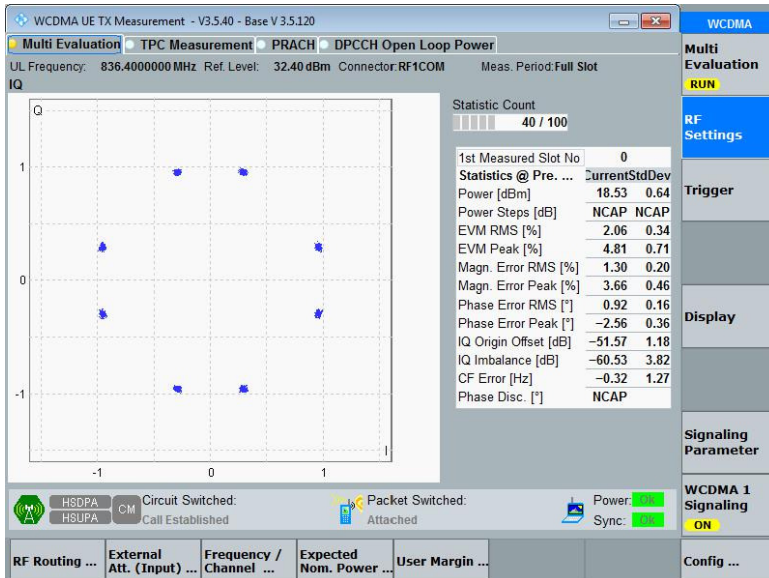
3.1.2.1.1. Test Channel = MCH



3.1.3. Test Band = WCDMA850

3.1.3.1. Test Mode = UMTS /TM1

3.1.3.1.1. Test Channel = MCH



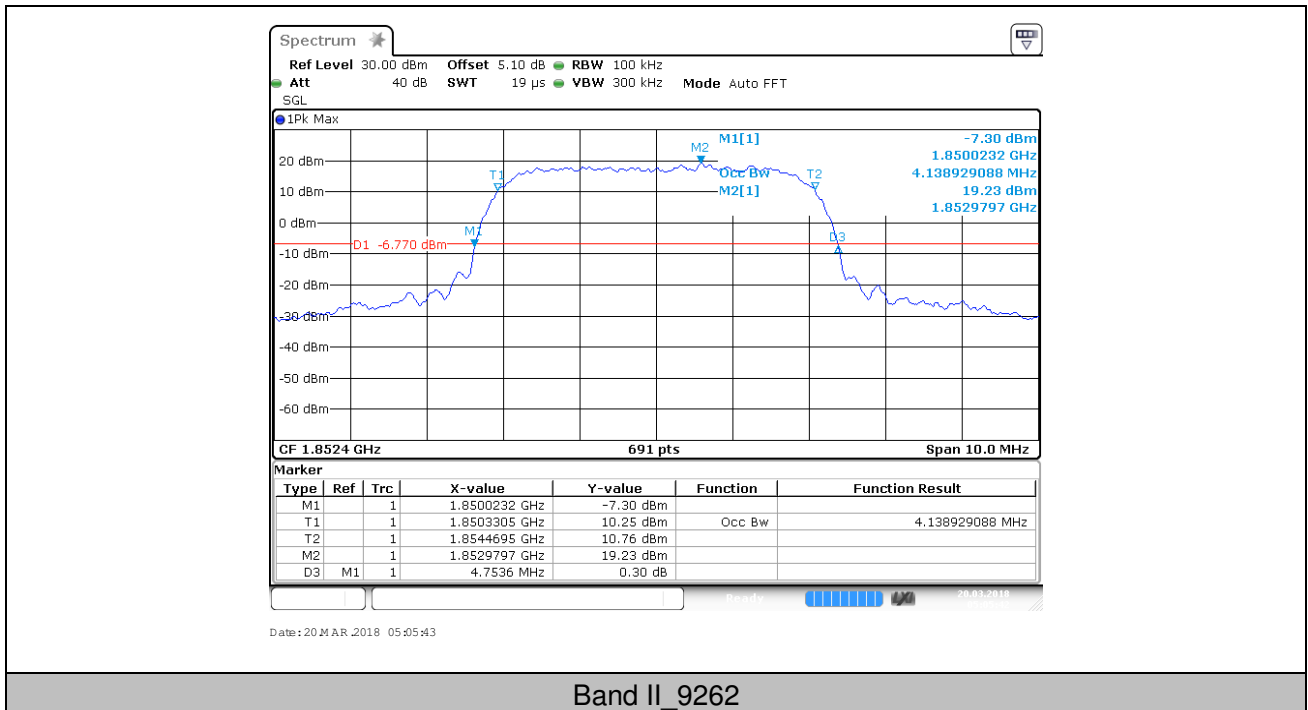


4. Appendix C: 26dB Bandwidth and Occupied Bandwidth

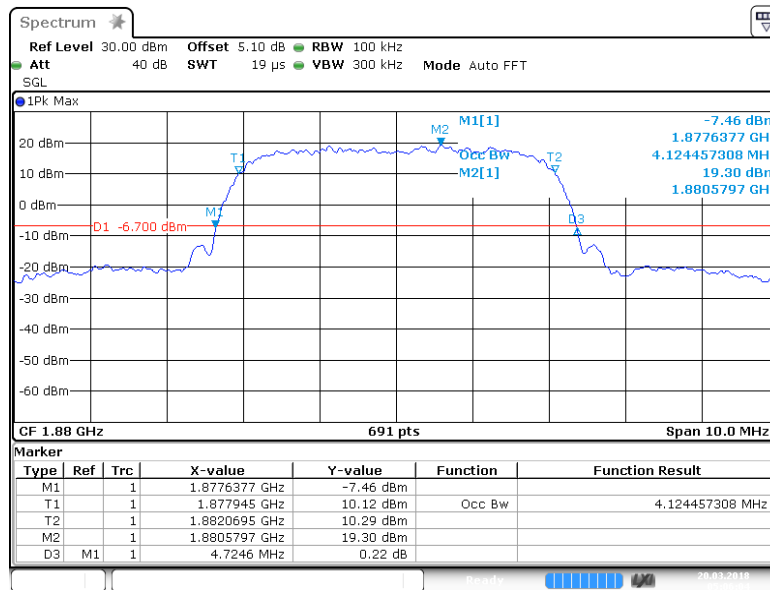
4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4138.9	4754	---	PASS
	9400	4124.5	4725	---	PASS
	9538	4124.5	4725	---	PASS
Band IV	1312	4124.4	4739	---	PASS
	1413	4124.5	4739	---	PASS
	1513	4124.5	4754	---	PASS
Band V	4132	4124.5	4739	---	PASS
	4182	4110.0	4696	---	PASS
	4233	4124.5	4754	---	PASS

4.2. Test Plots

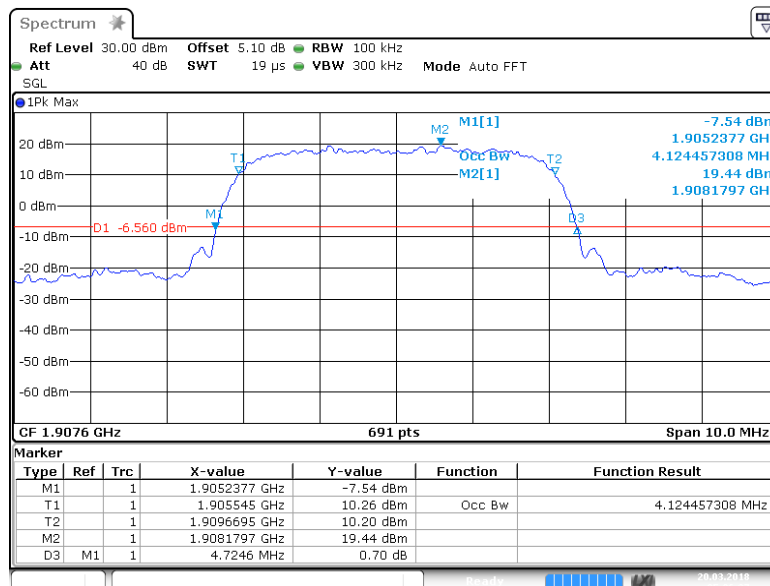


Band II_9262



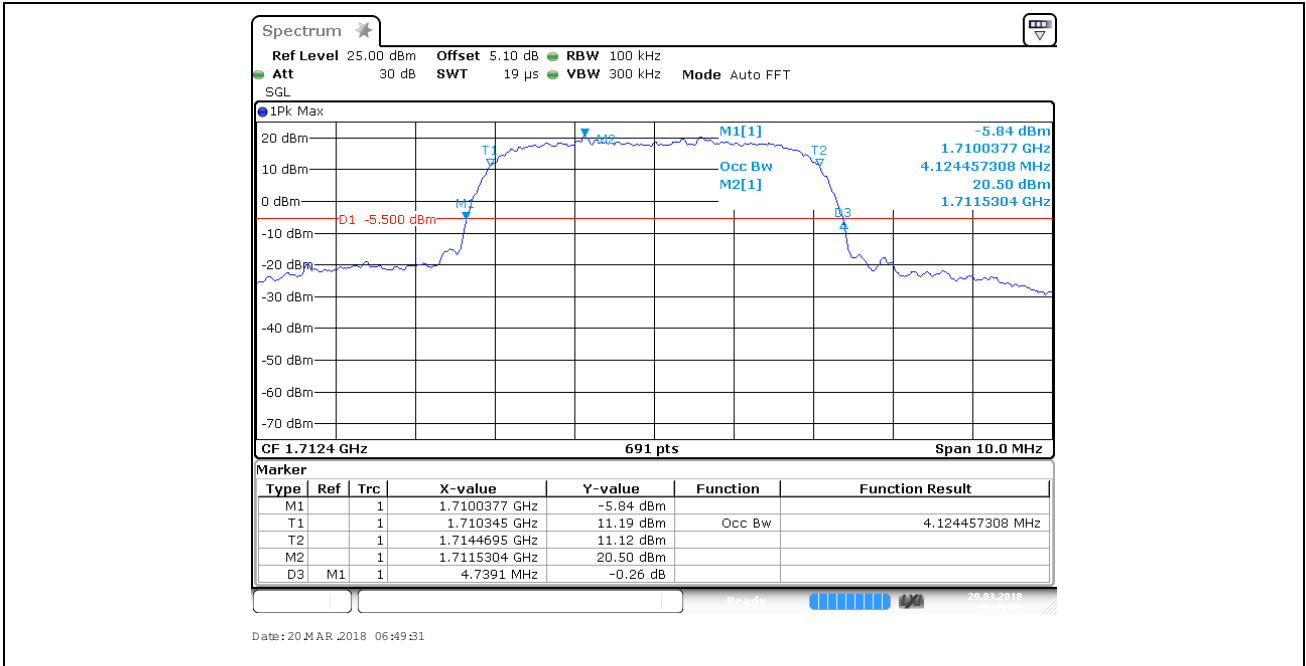
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Band II_9400

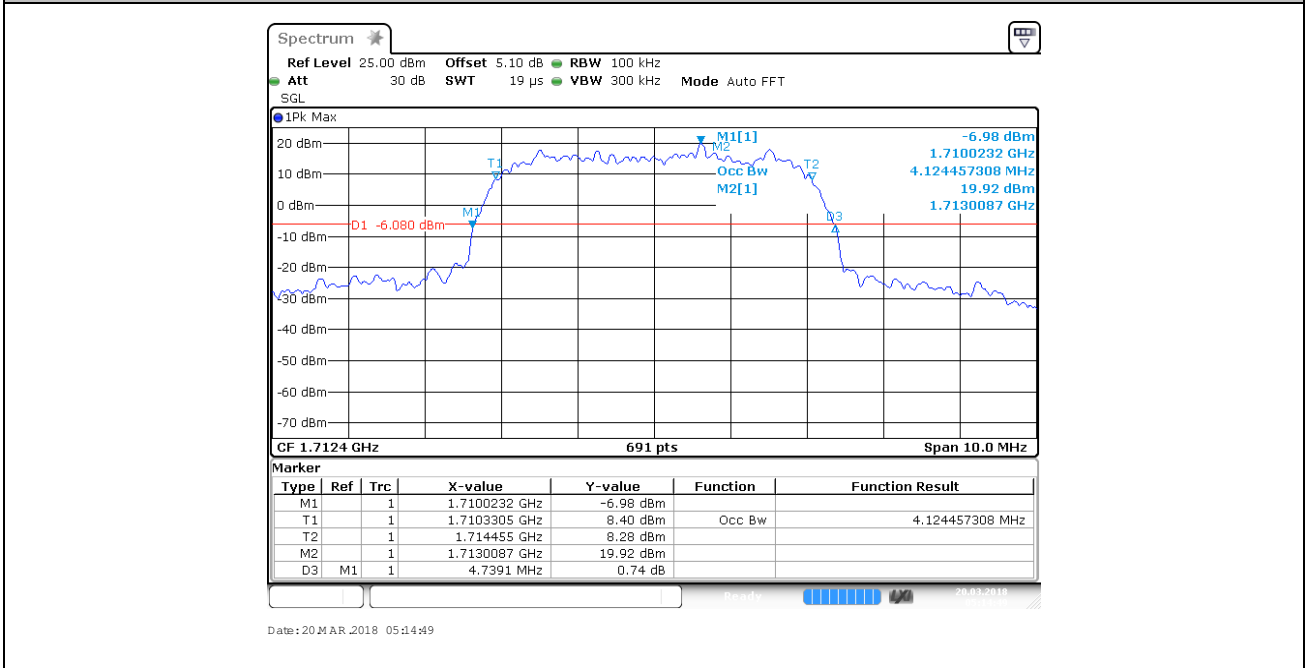


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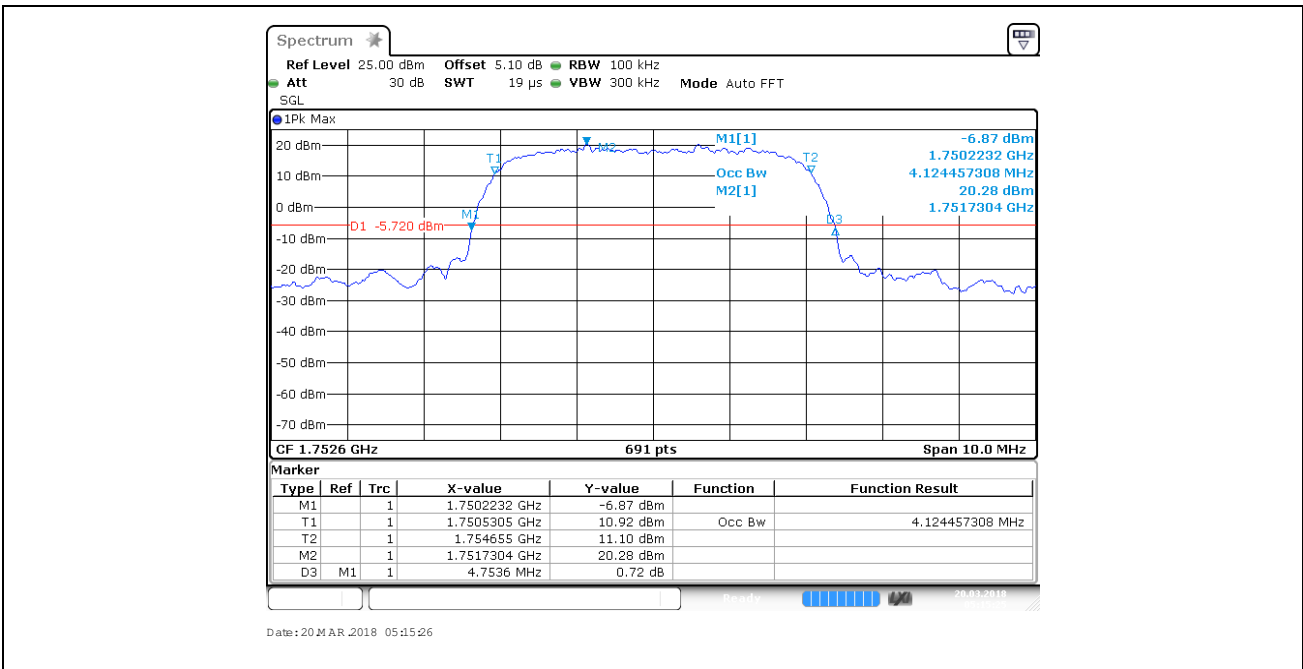
Band II_9538



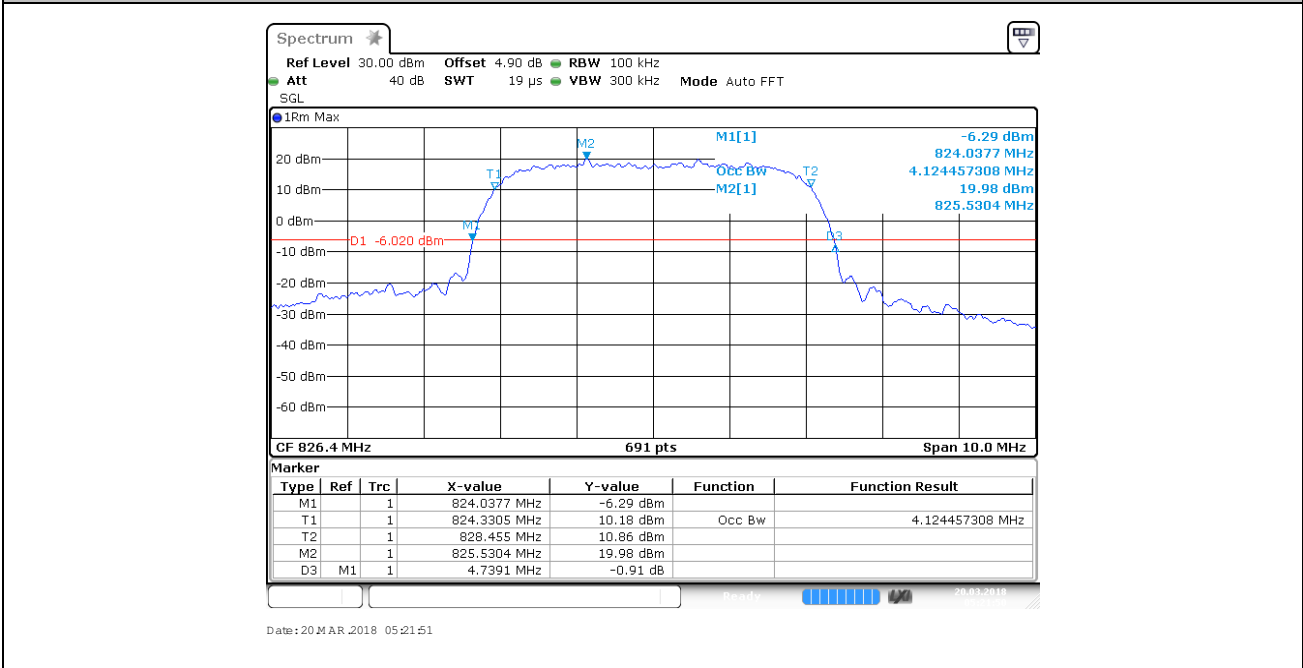
Band IV_1312



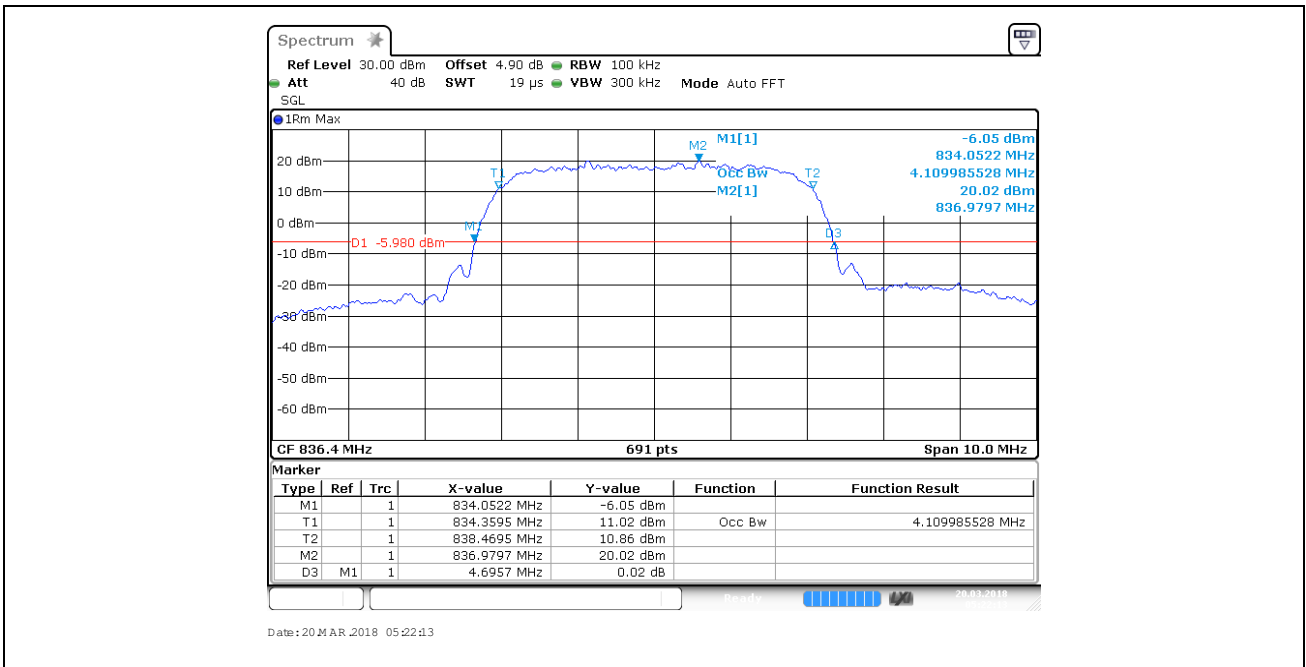
Band IV_1413



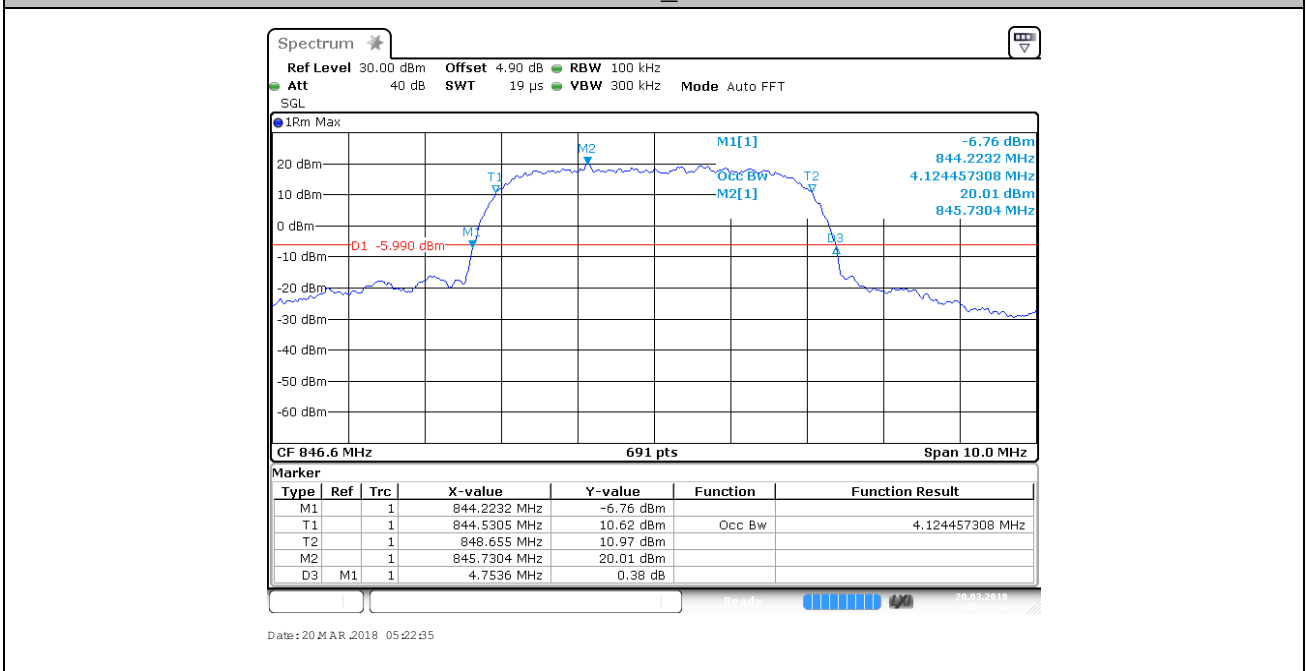
Band IV_1513



Band V_4132



Band V_4182



Band V_4233



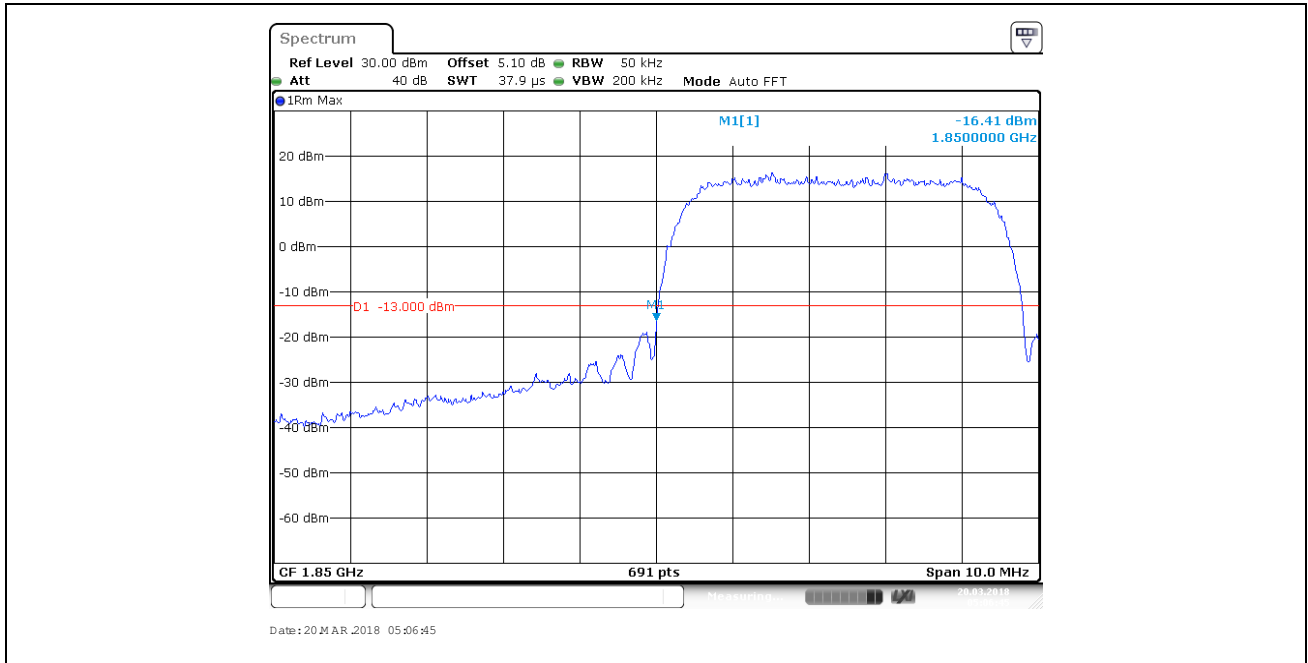
5. Appendix D: Band Edge

4.1. Test Result

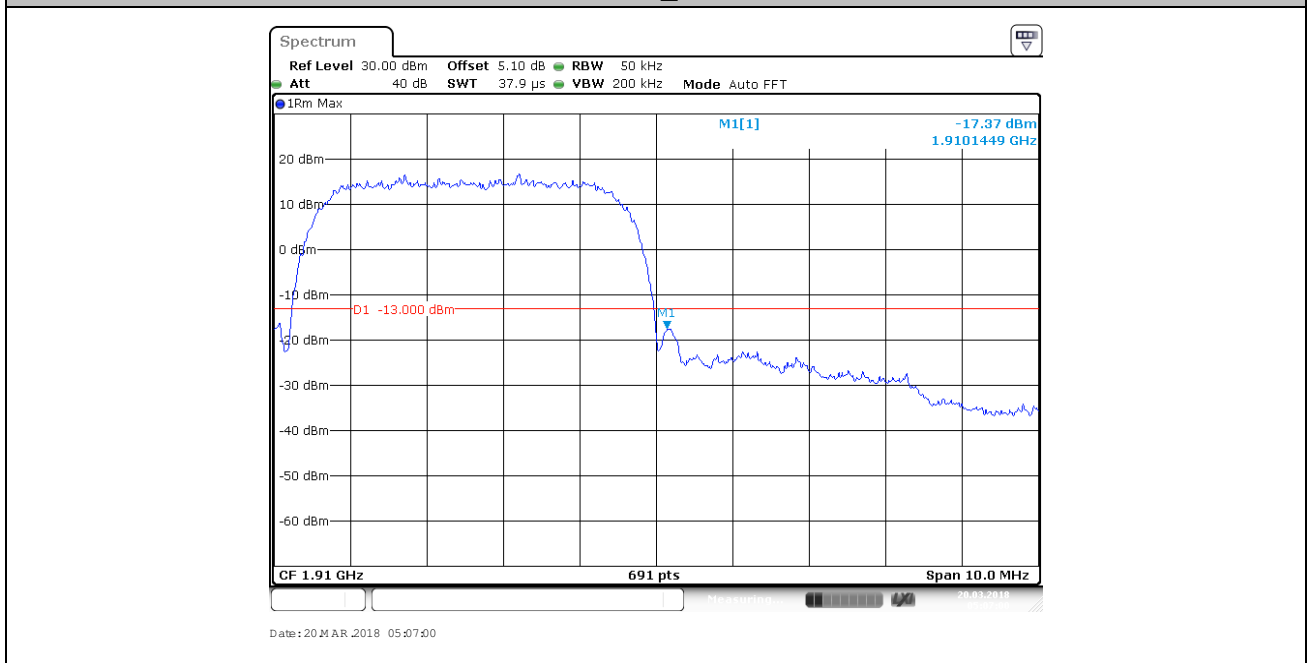
Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-16.41	-13	PASS
Band II	9538	-17.37	-13	PASS
Band IV	1312	-15.98	-13	PASS
Band IV	1513	-15.40	-13	PASS
Band V	4132	-16.30	-13	PASS
Band V	4233	-16.25	-13	PASS



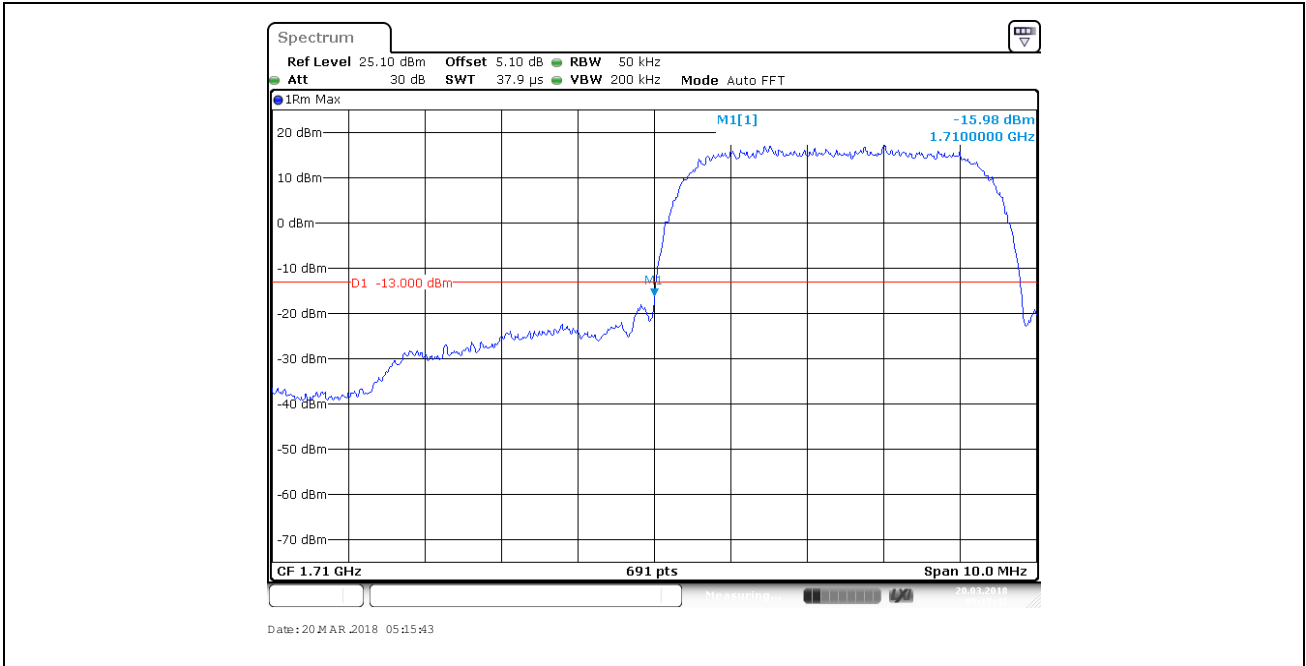
4.2. Test Plots



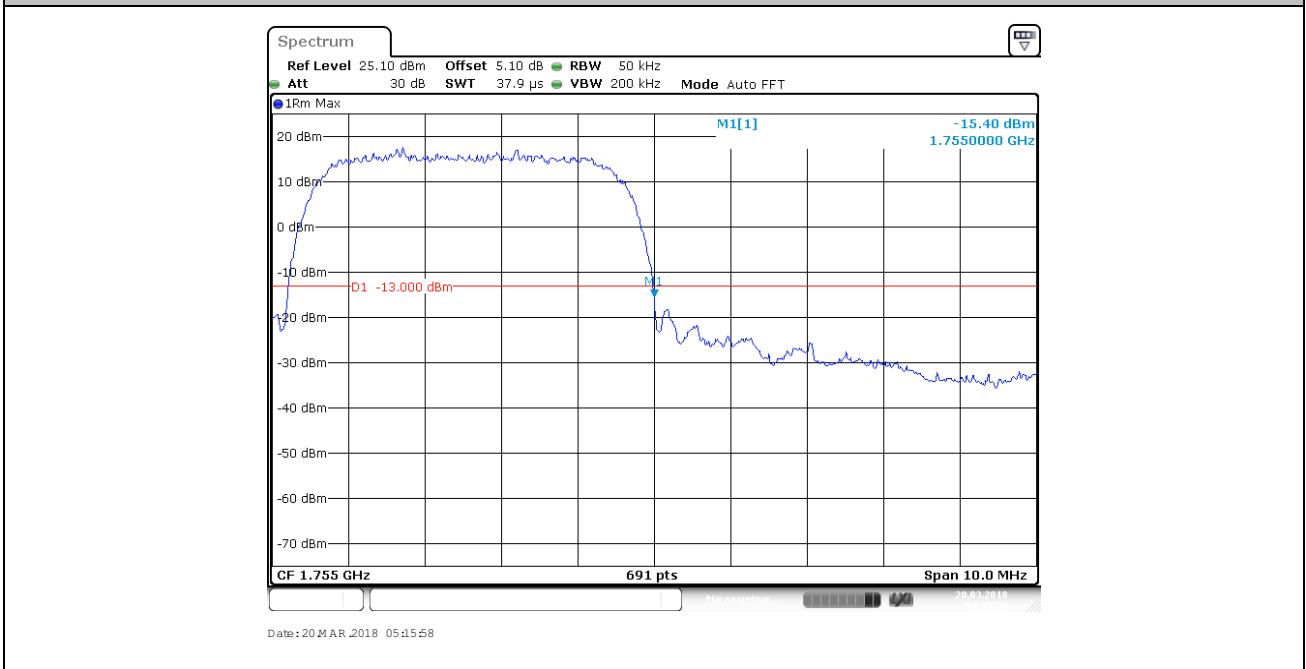
Band II_9262



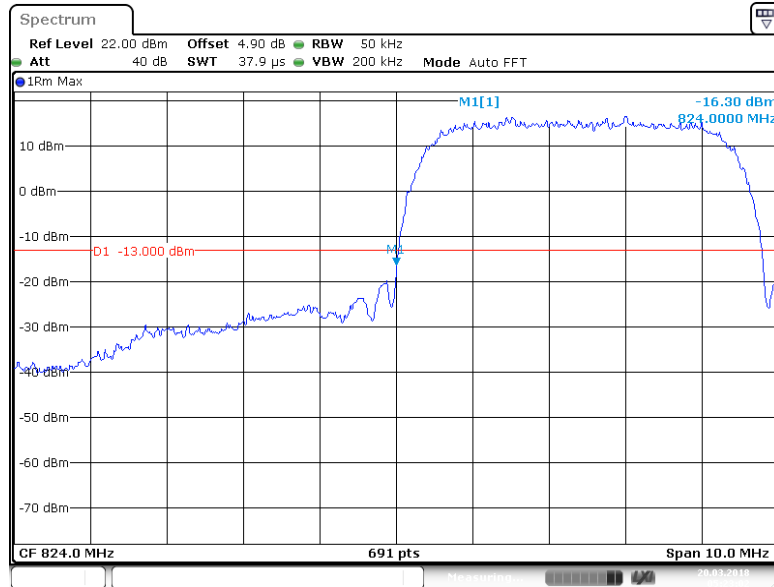
Band II_9538



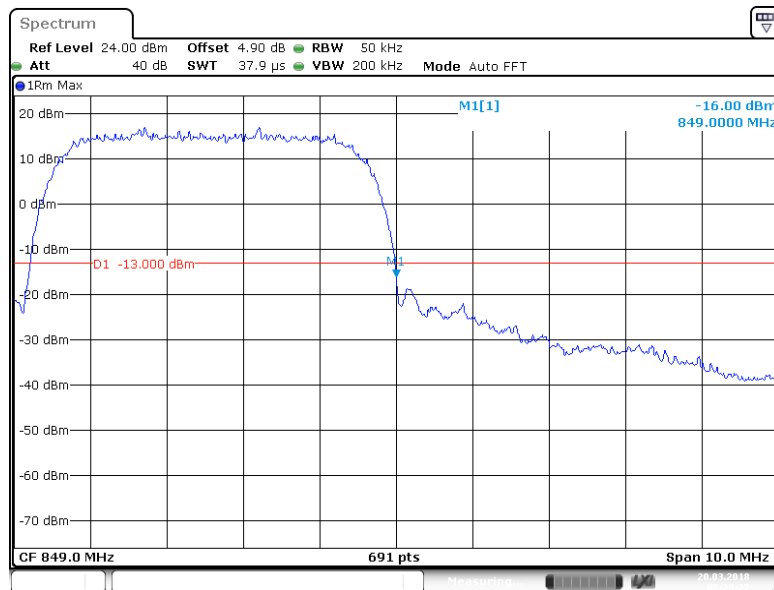
Band IV_1312



Band IV_1513



Band V_4132



Band V_4233



6. Appendix E: Conducted Spurious Emission

5.1. Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	0.009~0.15	-66.09	-43	PASS
Band II	9262	0.15~30	-61.82	-33	PASS
Band II	9262	30~1000	-46.20	-13	PASS
Band II	9262	1000~7000	-30.75	-13	PASS
Band II	9262	7000~13600	-44.85	-13	PASS
Band II	9262	13600~20000	-41.94	-13	PASS
Band II	9400	0.009~0.15	-65.96	-43	PASS
Band II	9400	0.15~30	-63.43	-33	PASS
Band II	9400	30~1000	-46.02	-13	PASS
Band II	9400	1000~7000	-30.67	-13	PASS
Band II	9400	7000~13600	-45.57	-13	PASS
Band II	9400	13600~20000	-42.73	-13	PASS
Band II	9538	0.009~0.15	-66.88	-43	PASS
Band II	9538	0.15~30	-62.27	-33	PASS
Band II	9538	30~1000	-46.36	-13	PASS
Band II	9538	1000~7000	-31.06	-13	PASS
Band II	9538	7000~13600	-45.63	-13	PASS
Band II	9538	13600~20000	-43.82	-13	PASS
Band IV	1312	0.009~0.15	-66.56	-43	PASS
Band IV	1312	0.15~30	-59.85	-33	PASS
Band IV	1312	30~1000	-46.11	-13	PASS
Band IV	1312	1000~7000	-39.94	-13	PASS
Band IV	1312	7000~13600	-45.61	-13	PASS
Band IV	1312	13600~20000	-42.50	-13	PASS
Band IV	1413	0.009~0.15	-65.78	-43	PASS
Band IV	1413	0.15~30	-63.58	-33	PASS
Band IV	1413	30~1000	-45.57	-13	PASS
Band IV	1413	1000~7000	-41.19	-13	PASS
Band IV	1413	7000~13600	-45.71	-13	PASS
Band IV	1413	13600~20000	-43.40	-13	PASS
Band IV	1513	0.009~0.15	-66.18	-43	PASS
Band IV	1513	0.15~30	-60.28	-33	PASS
Band IV	1513	30~1000	-45.94	-13	PASS
Band IV	1513	1000~7000	-41.58	-13	PASS



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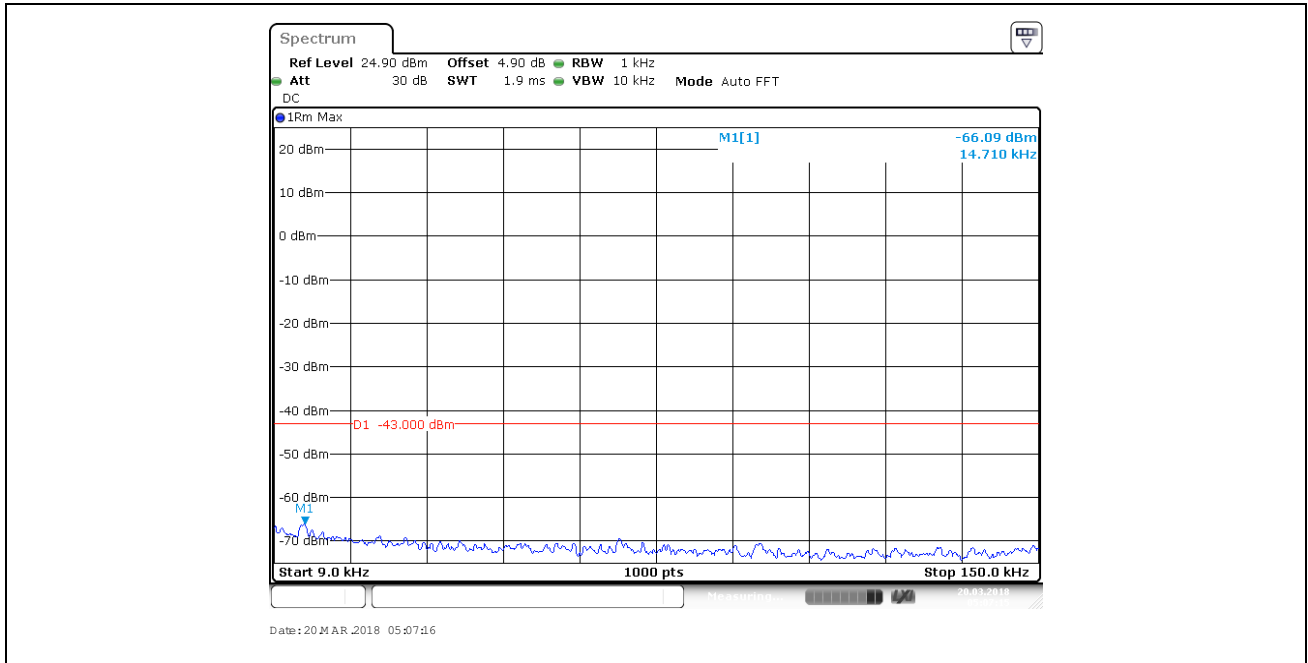
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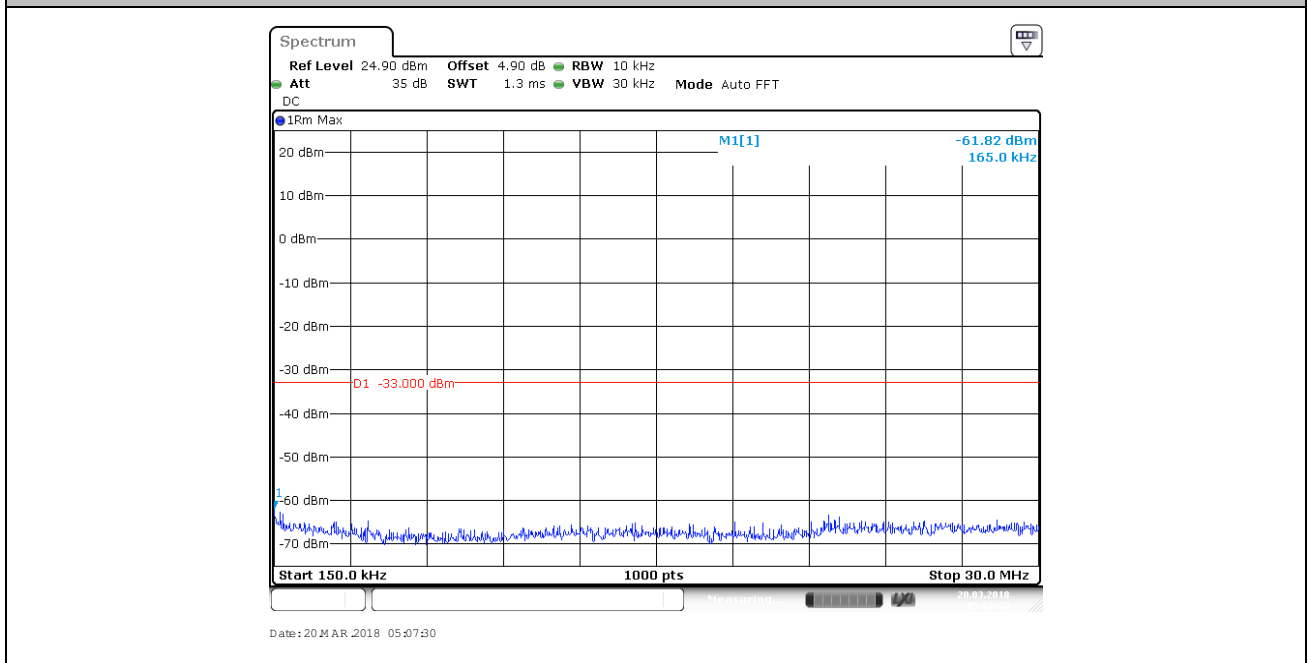
Band IV	1513	7000~13600	-45.31	-13	PASS
Band IV	1513	13600~20000	-43.56	-13	PASS
Band V	4132	0.009~0.15	-66.38	-33	PASS
Band V	4132	0.15~30	-65.30	-23	PASS
Band V	4132	30~1000	-46.38	-13	PASS
Band V	4132	1000~9000	-34.76	-13	PASS
Band V	4182	0.009~0.15	-66.36	-33	PASS
Band V	4182	0.15~30	-65.76	-23	PASS
Band V	4182	30~1000	-46.11	-13	PASS
Band V	4182	1000~9000	-34.98	-13	PASS
Band V	4233	0.009~0.15	-66.80	-33	PASS
Band V	4233	0.15~30	-66.19	-23	PASS
Band V	4233	30~1000	-44.95	-13	PASS
Band V	4233	1000~9000	-35.08	-13	PASS



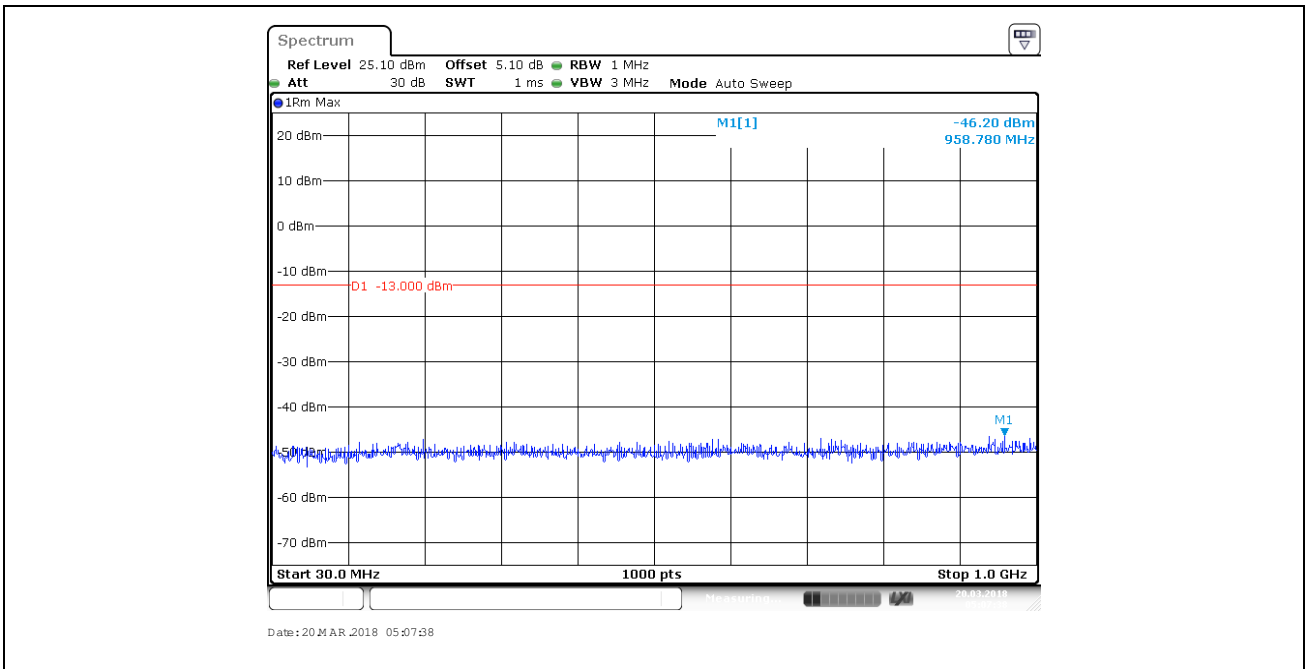
5.2. Test Plots



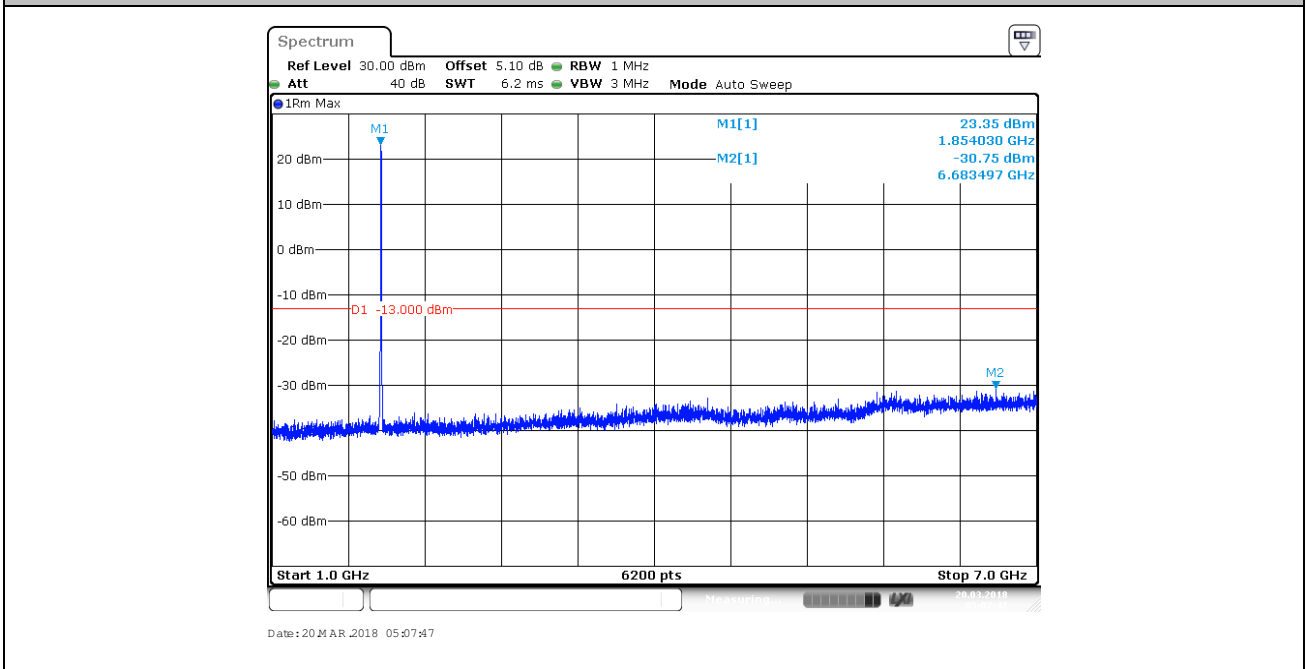
Band II_9262



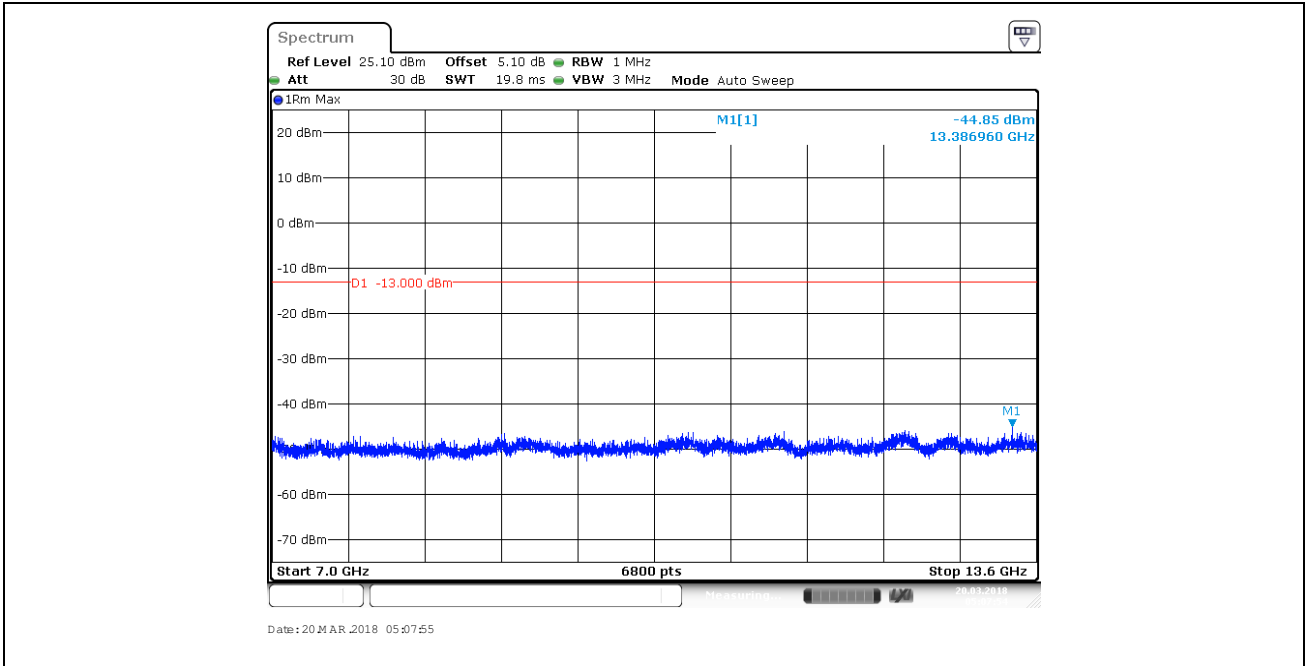
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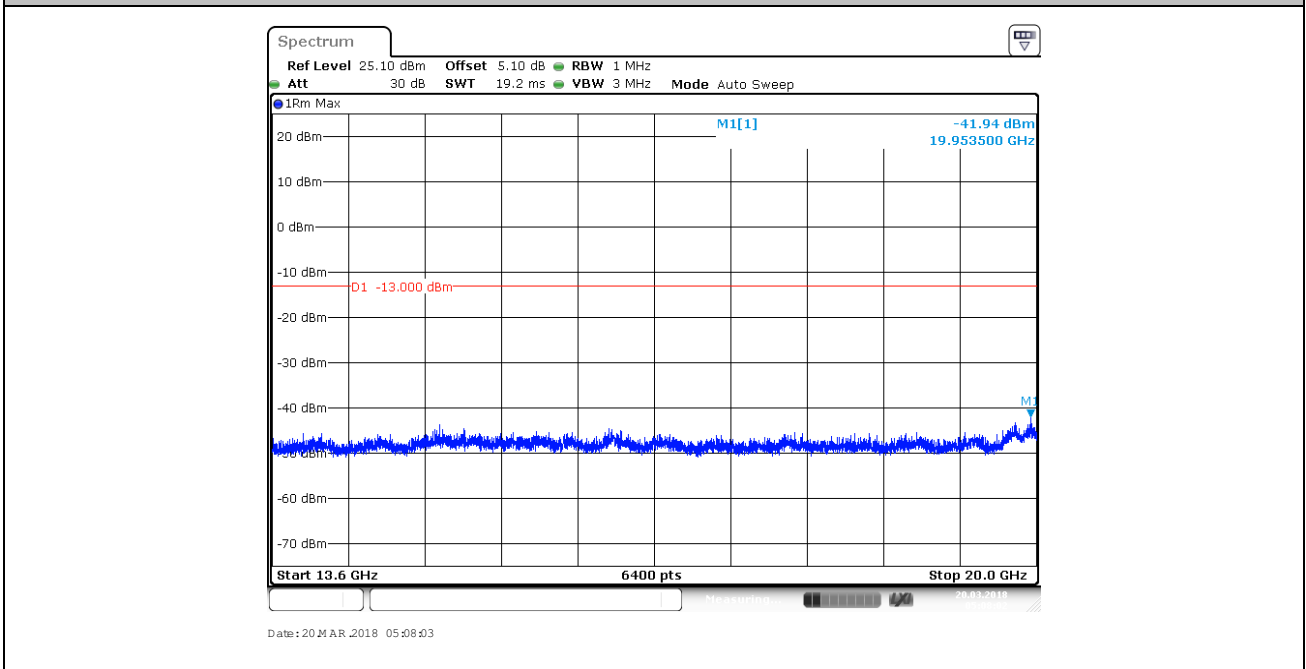
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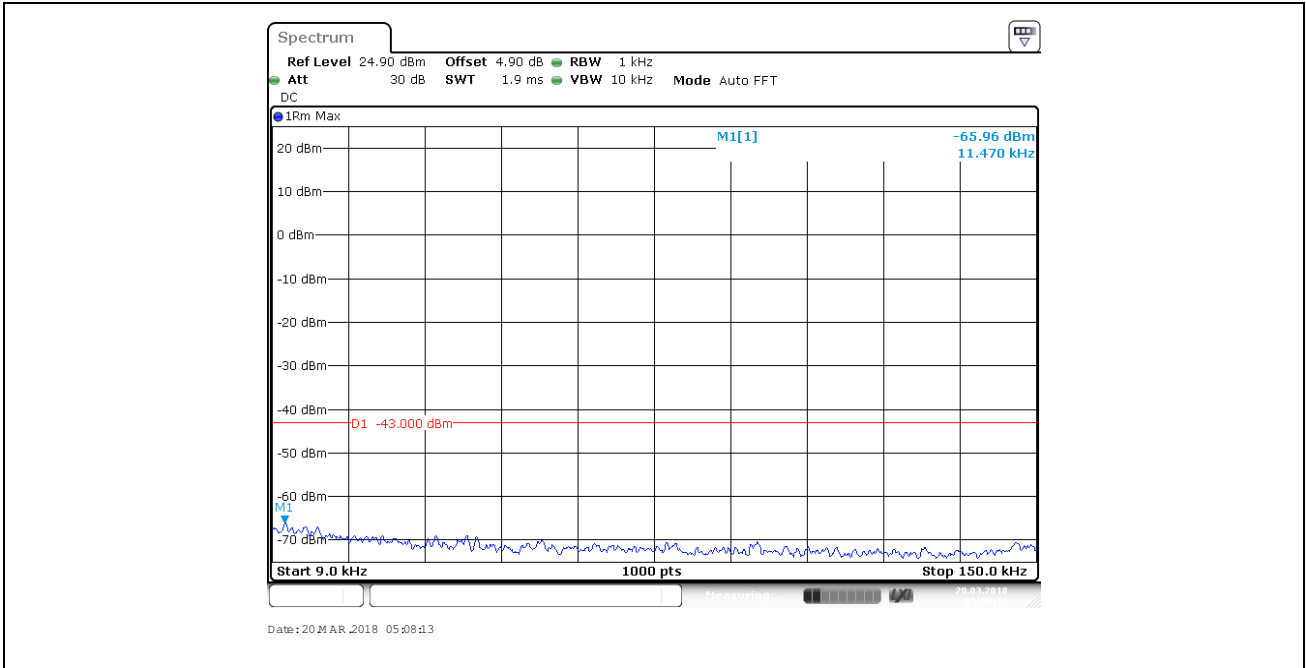
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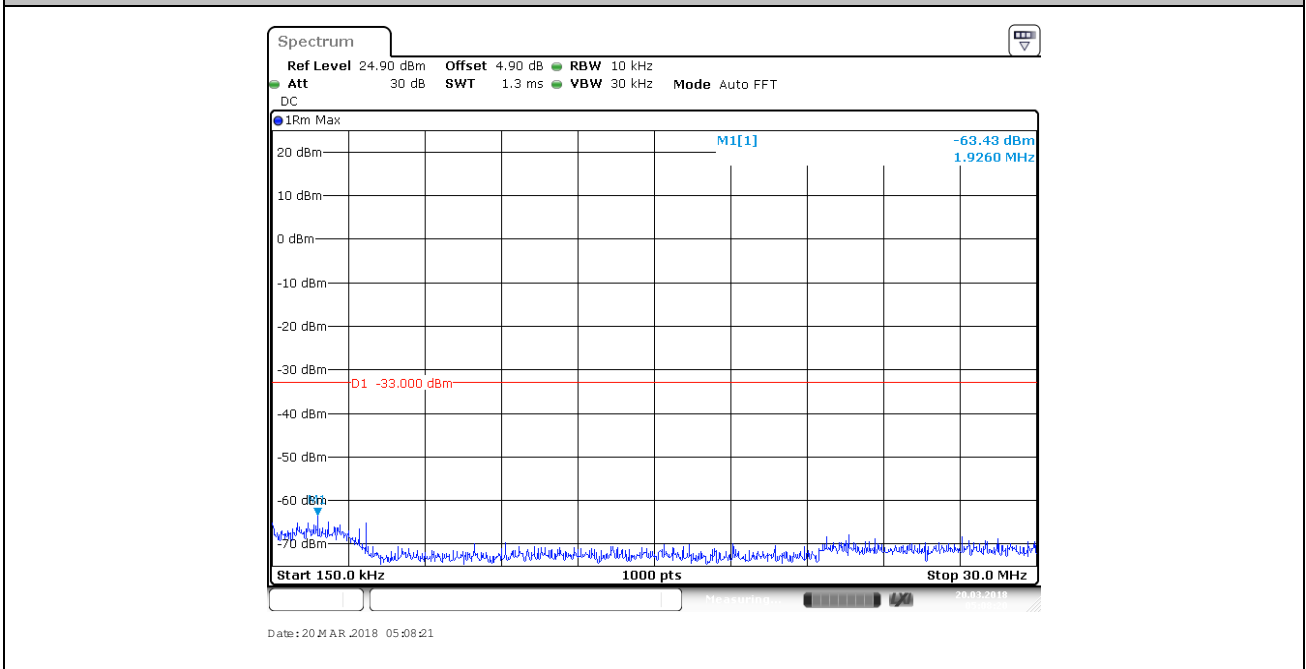
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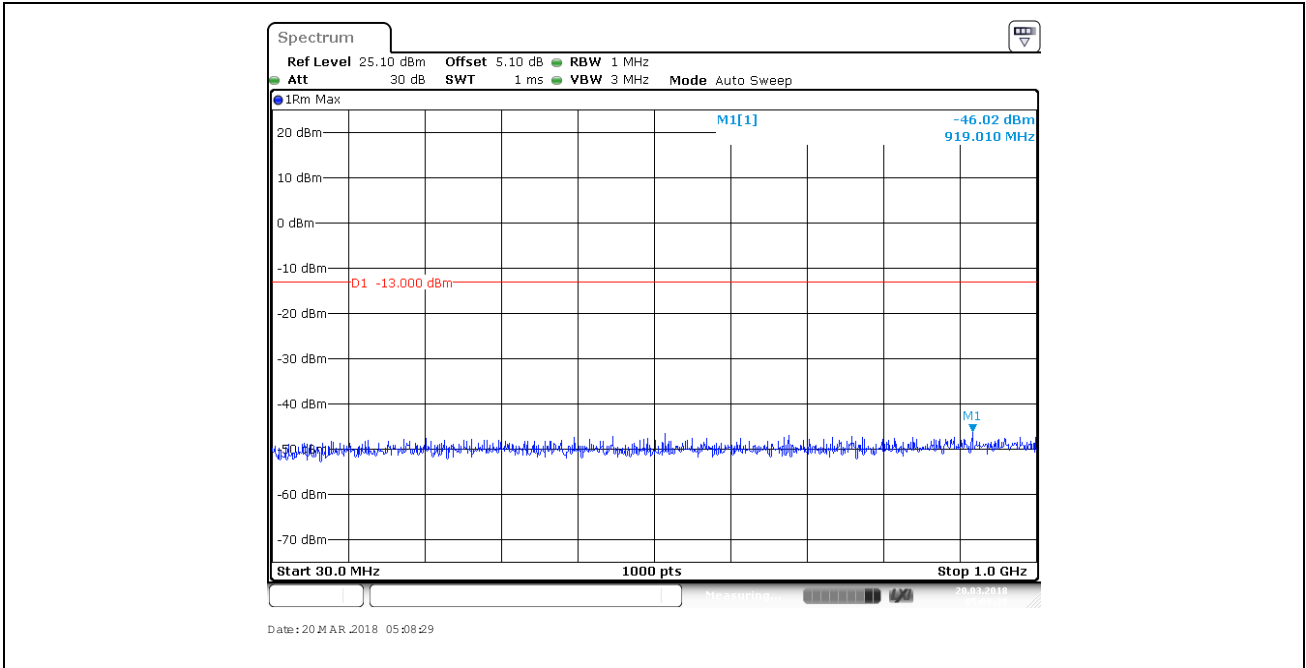
Band II_9262



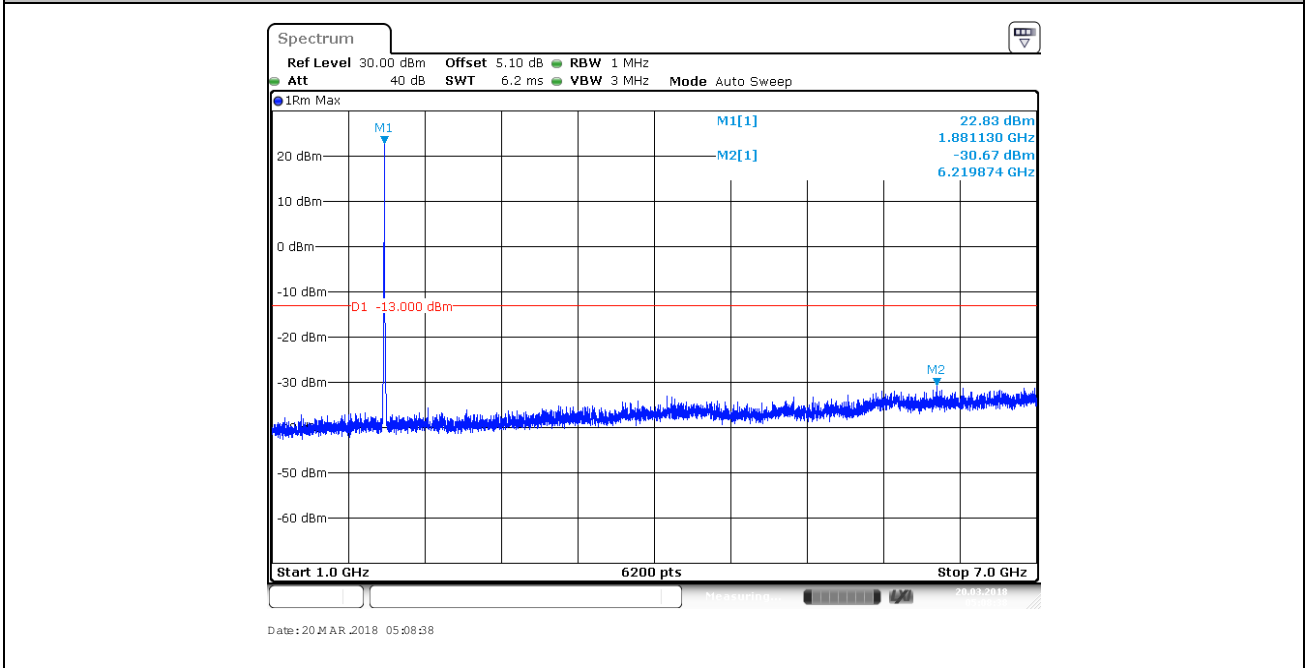
Band II_9400



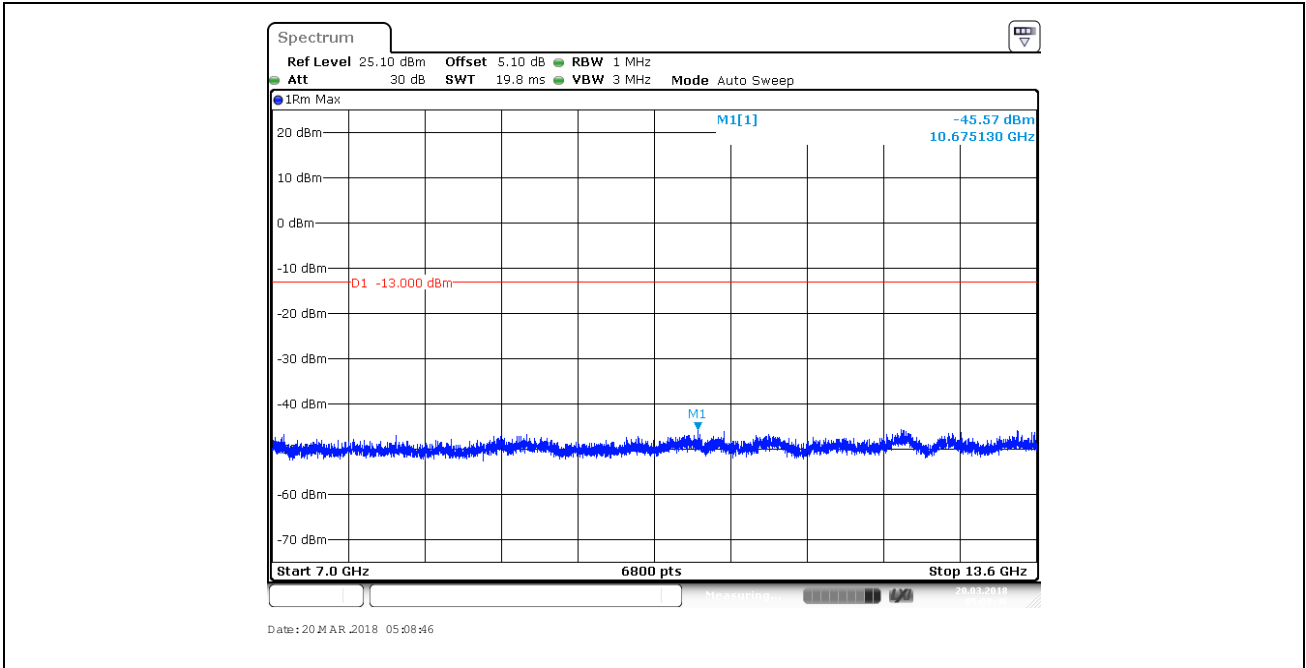
Band II_9400



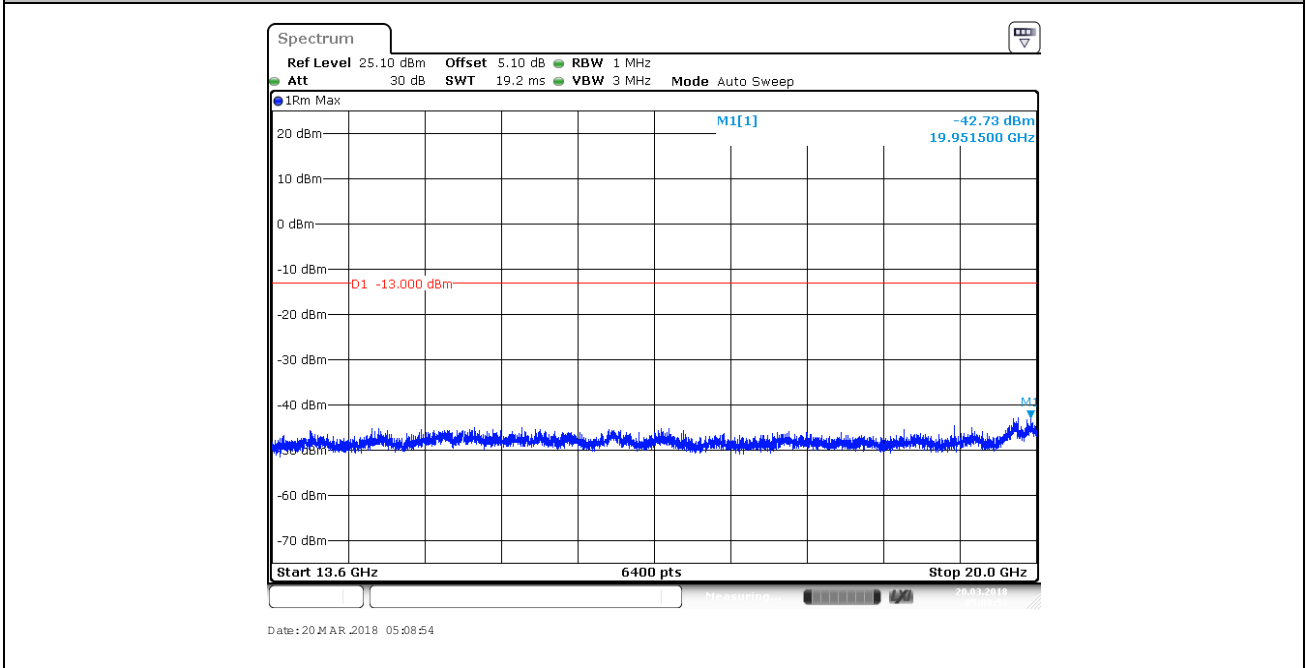
Band II_9400



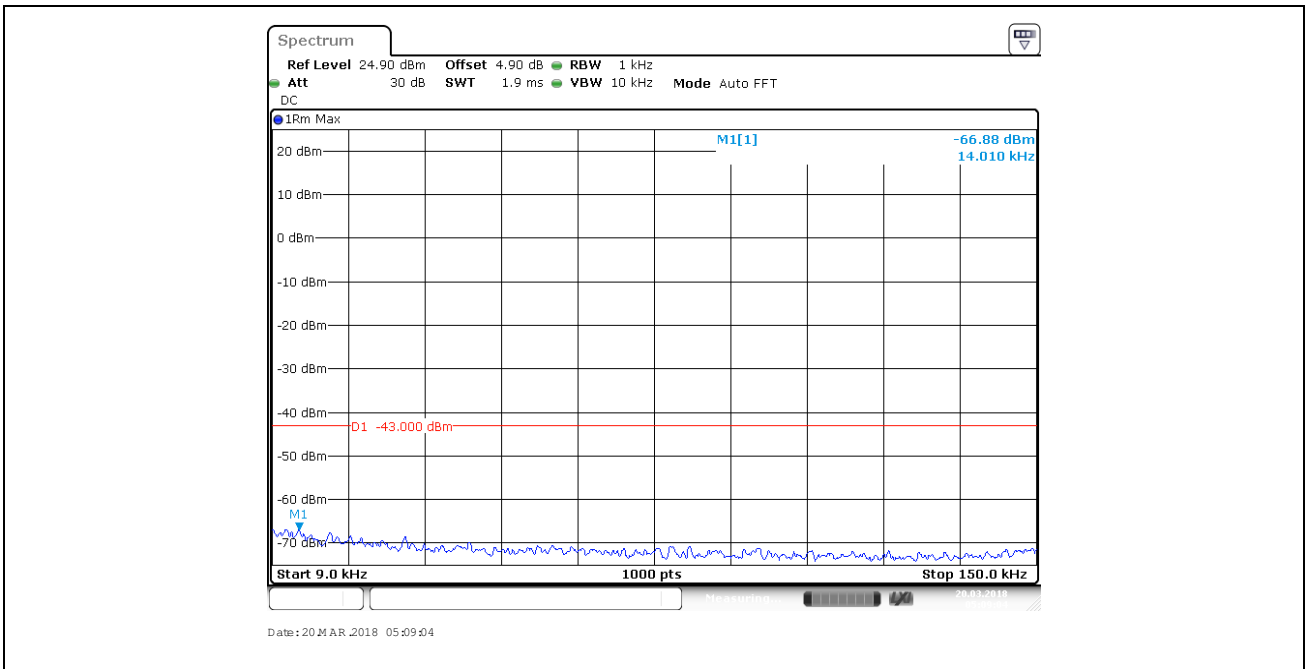
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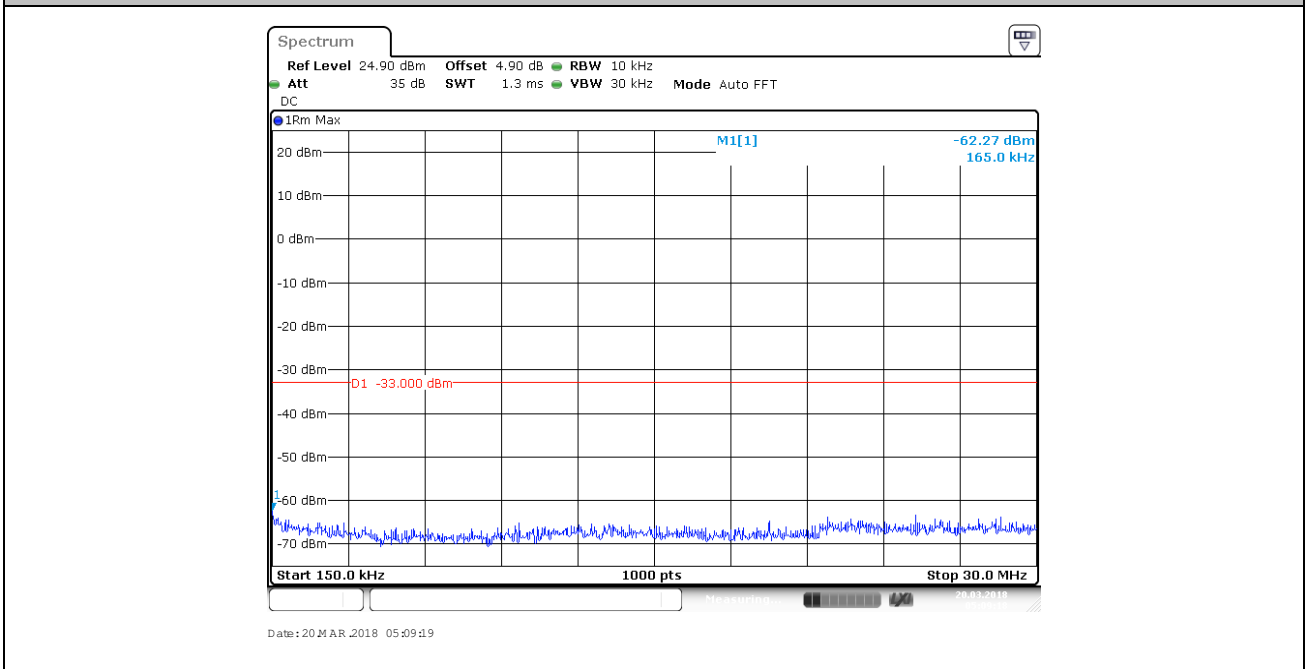
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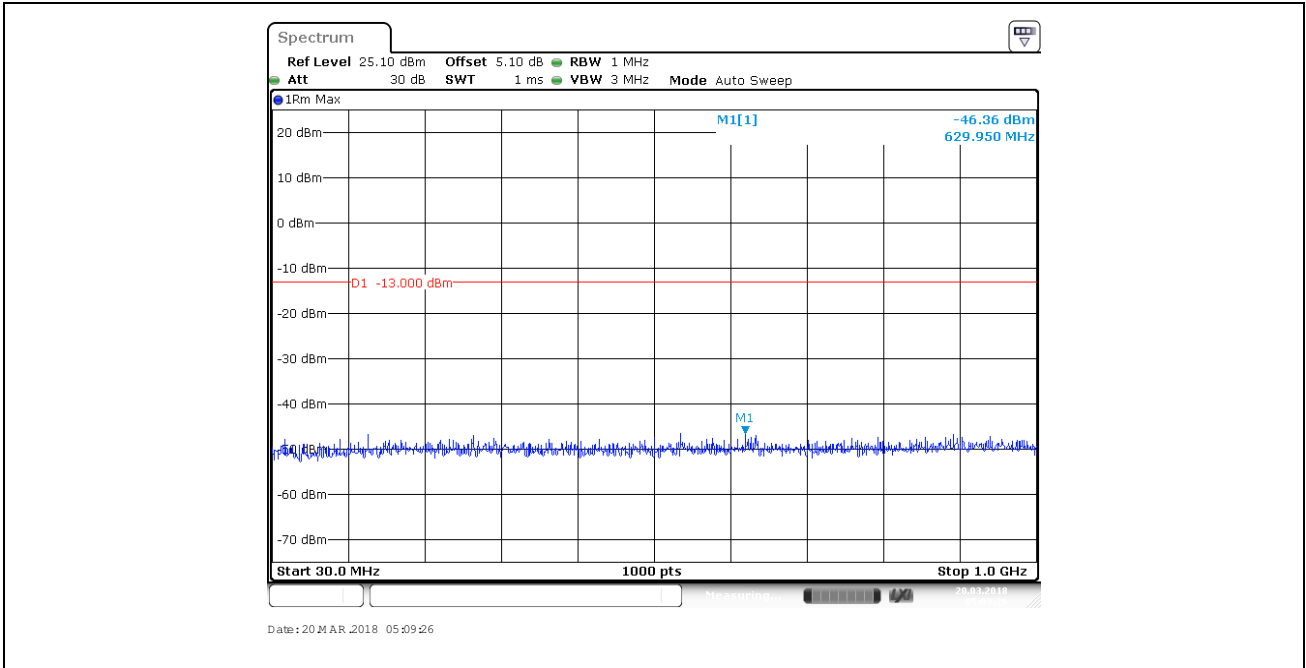
Band II_9400



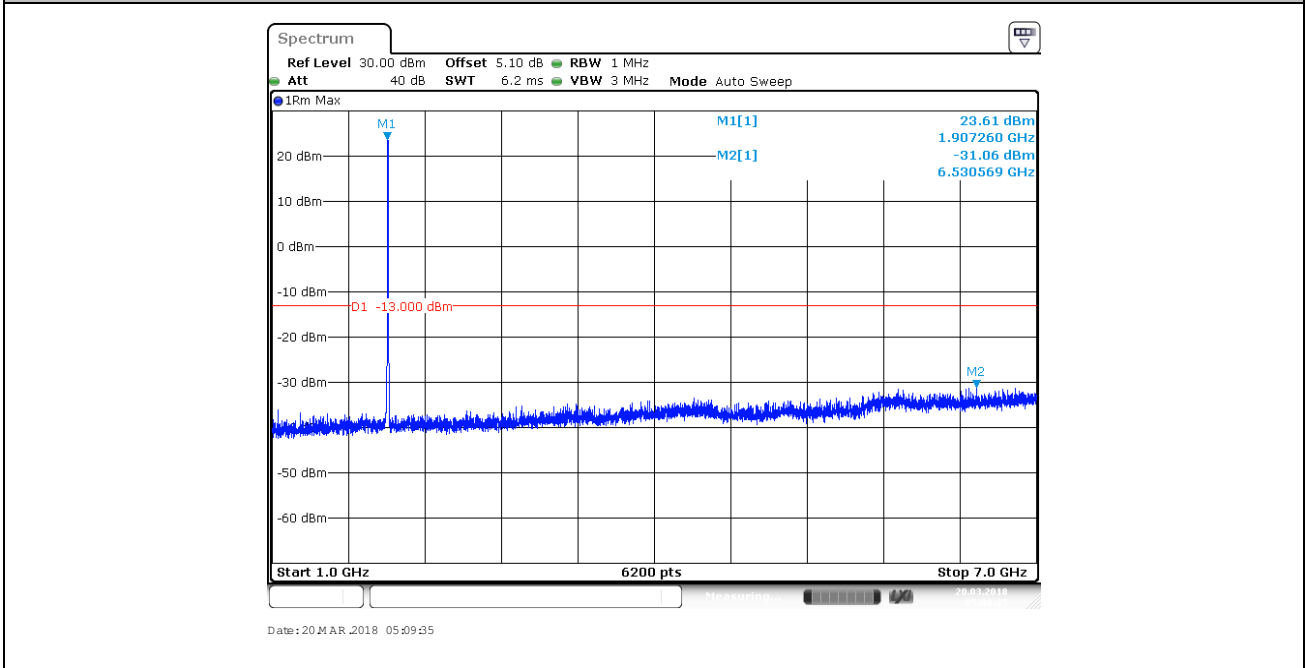
Band II_9538



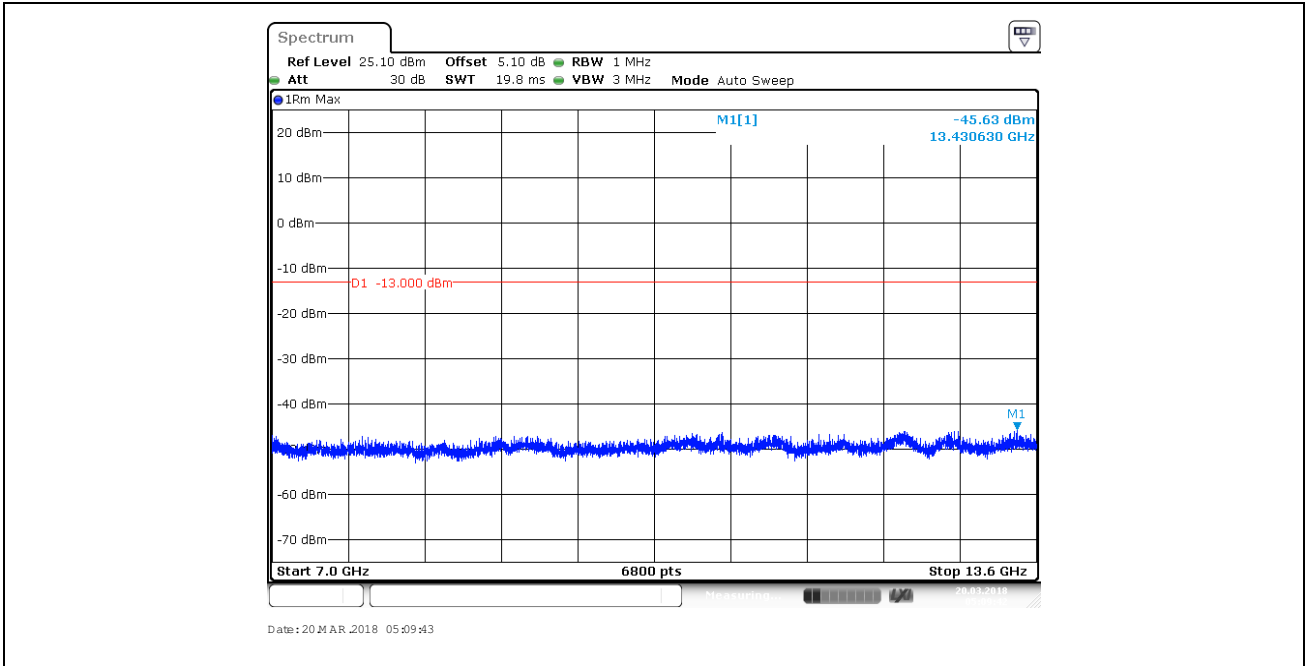
Band II_9538



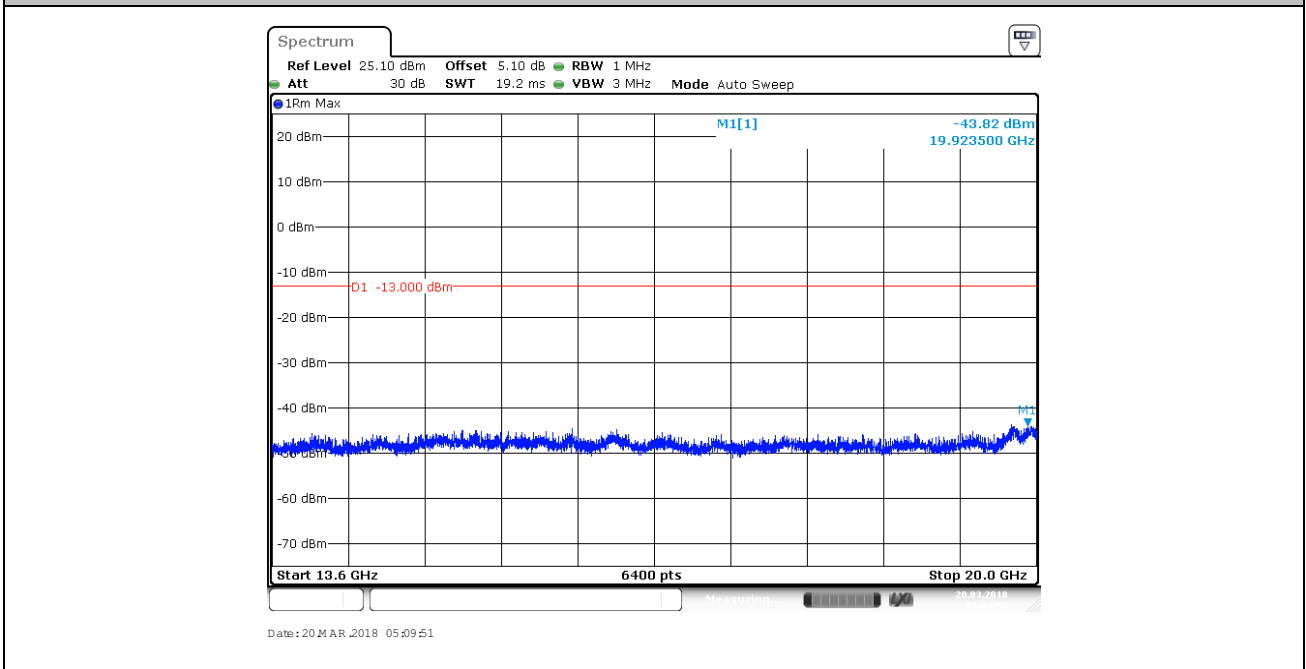
Band II_9538



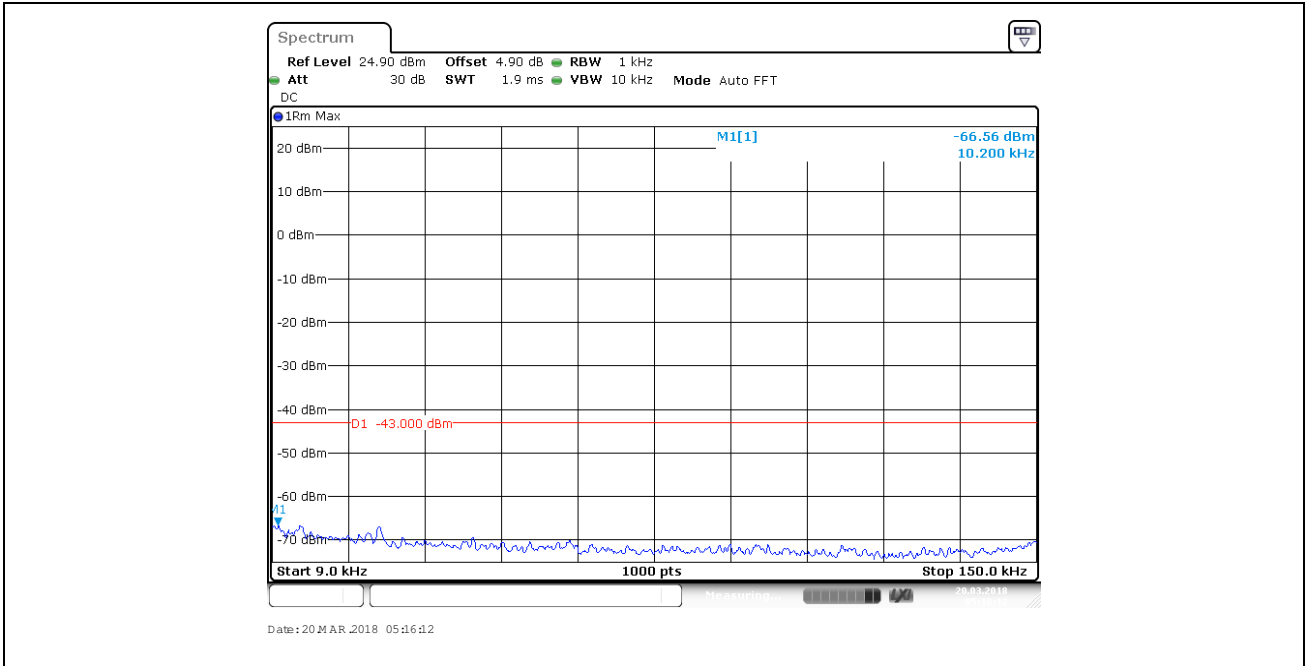
Band II_9538



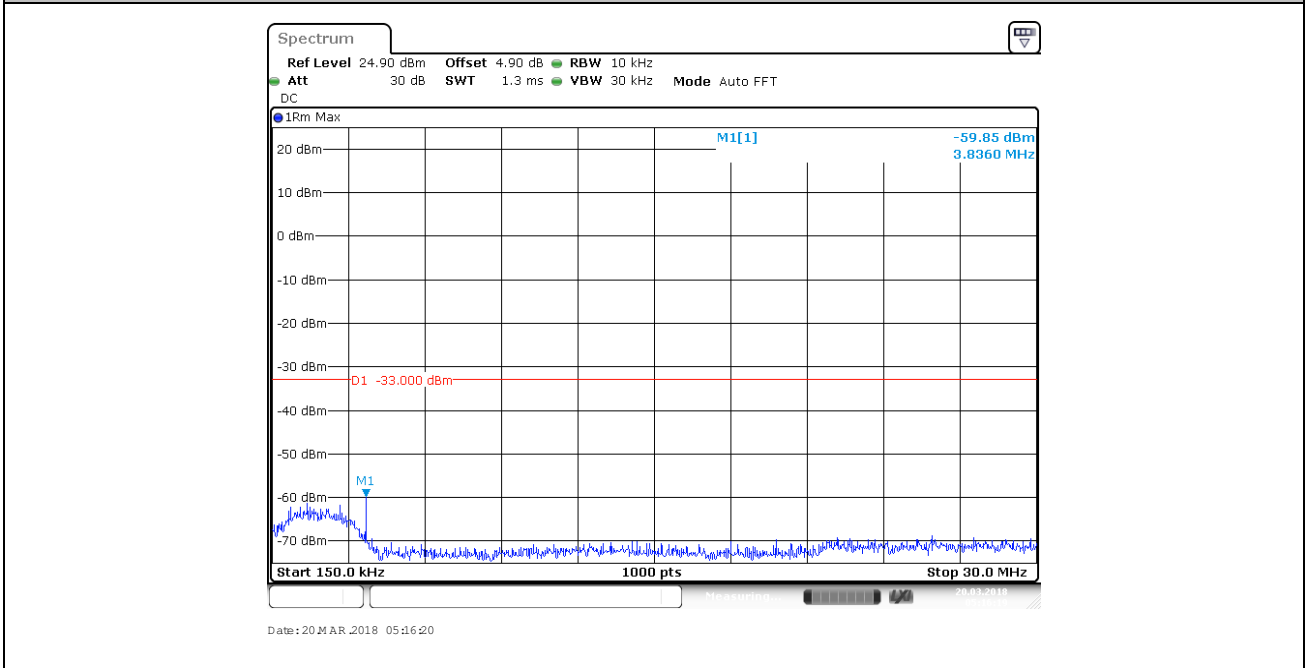
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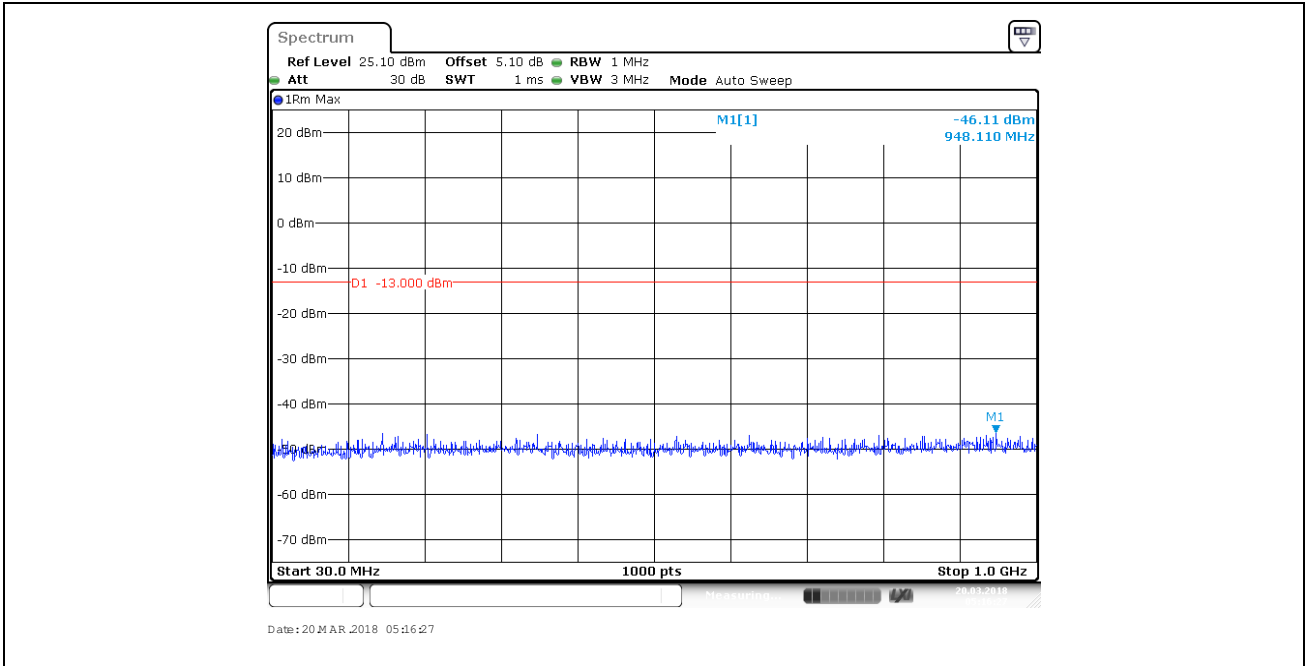
Band II_9538



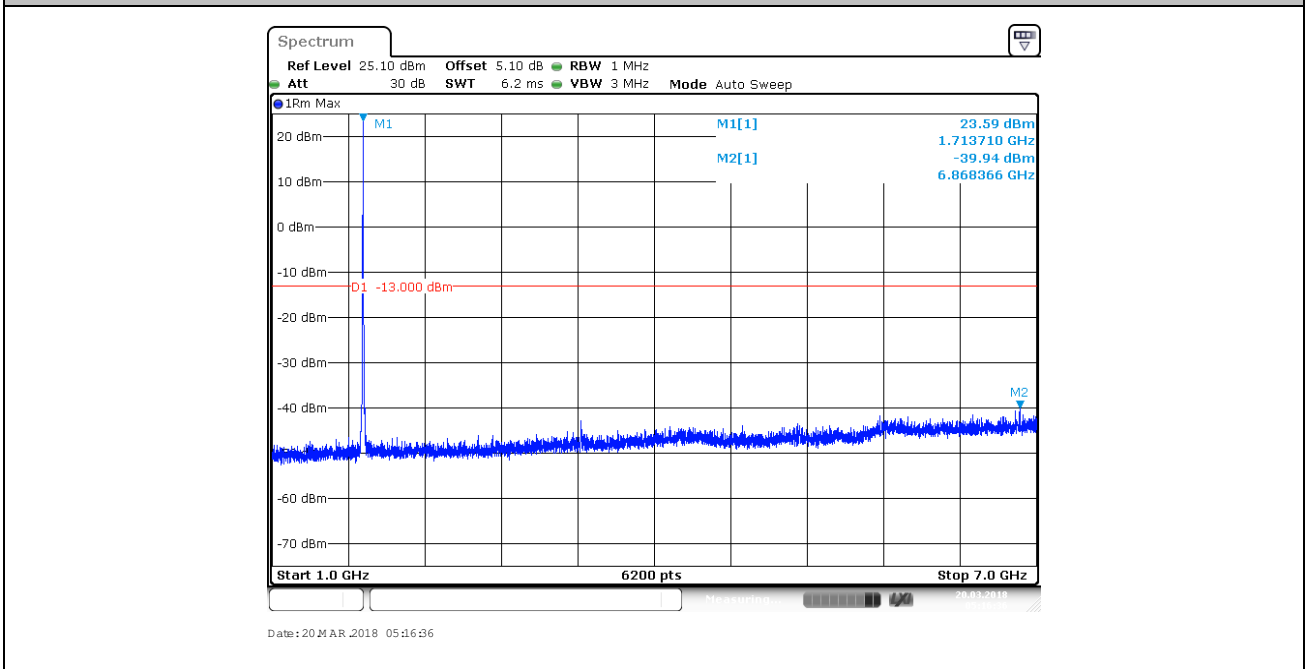
Band IV_1312



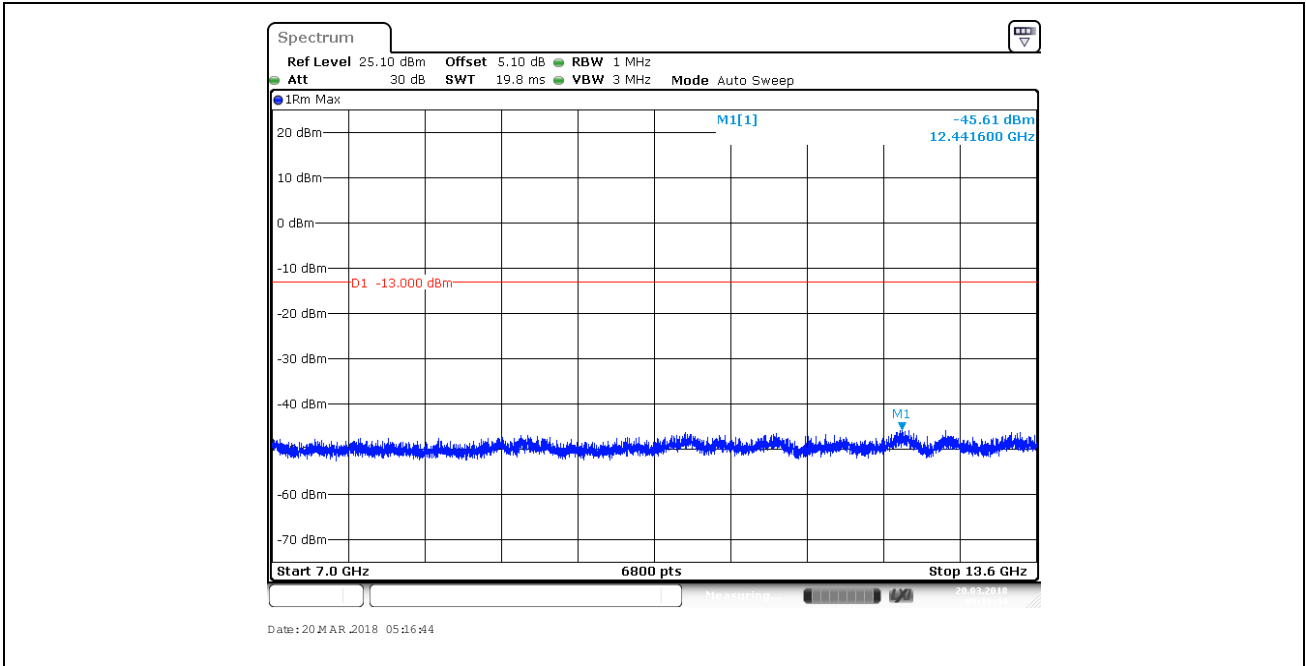
Band IV_1312



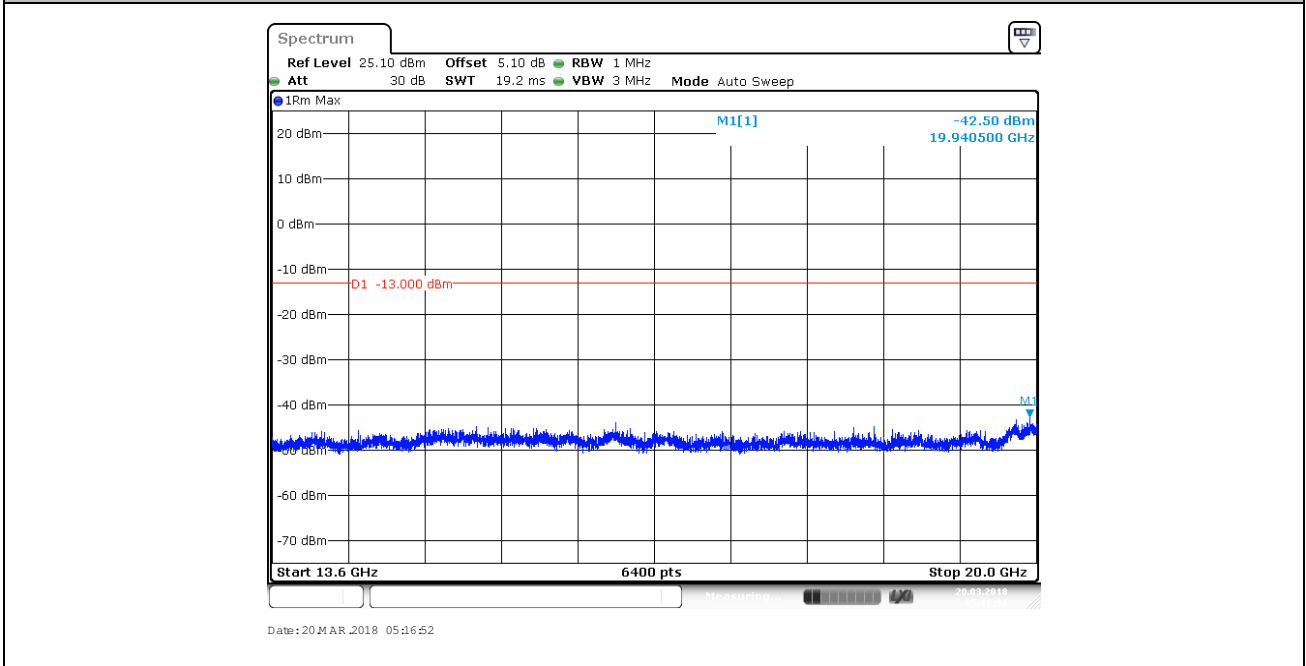
Band IV_1312



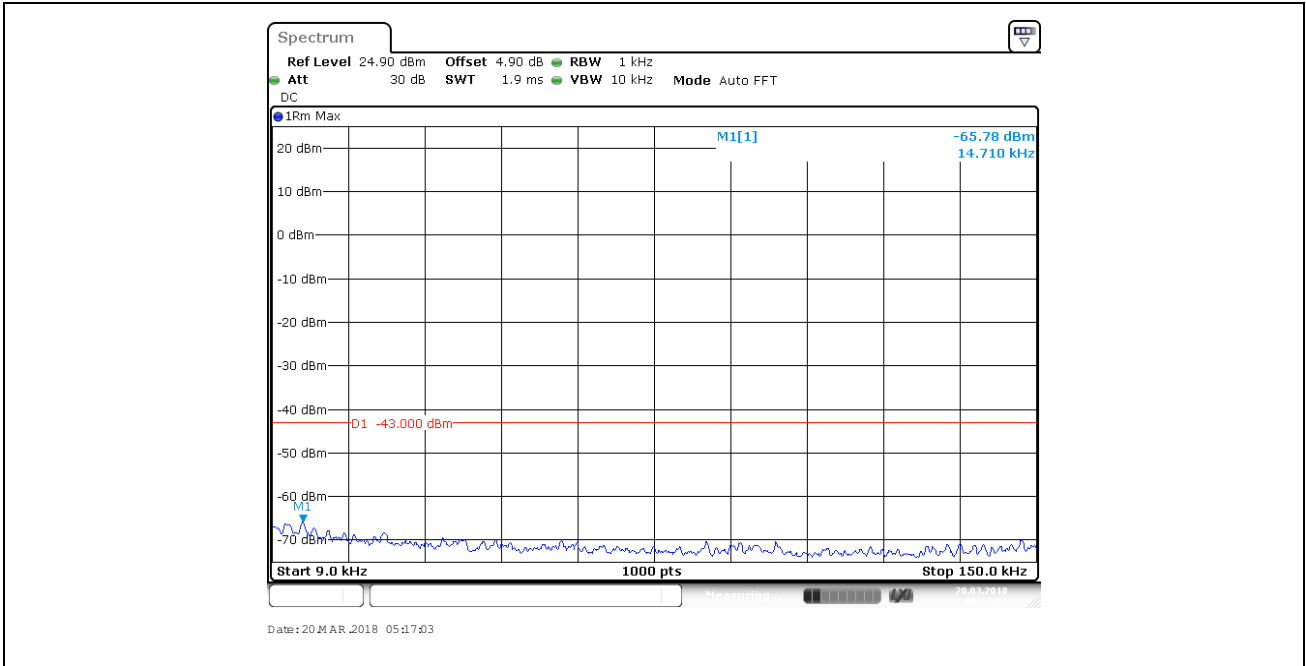
Band IV_1312



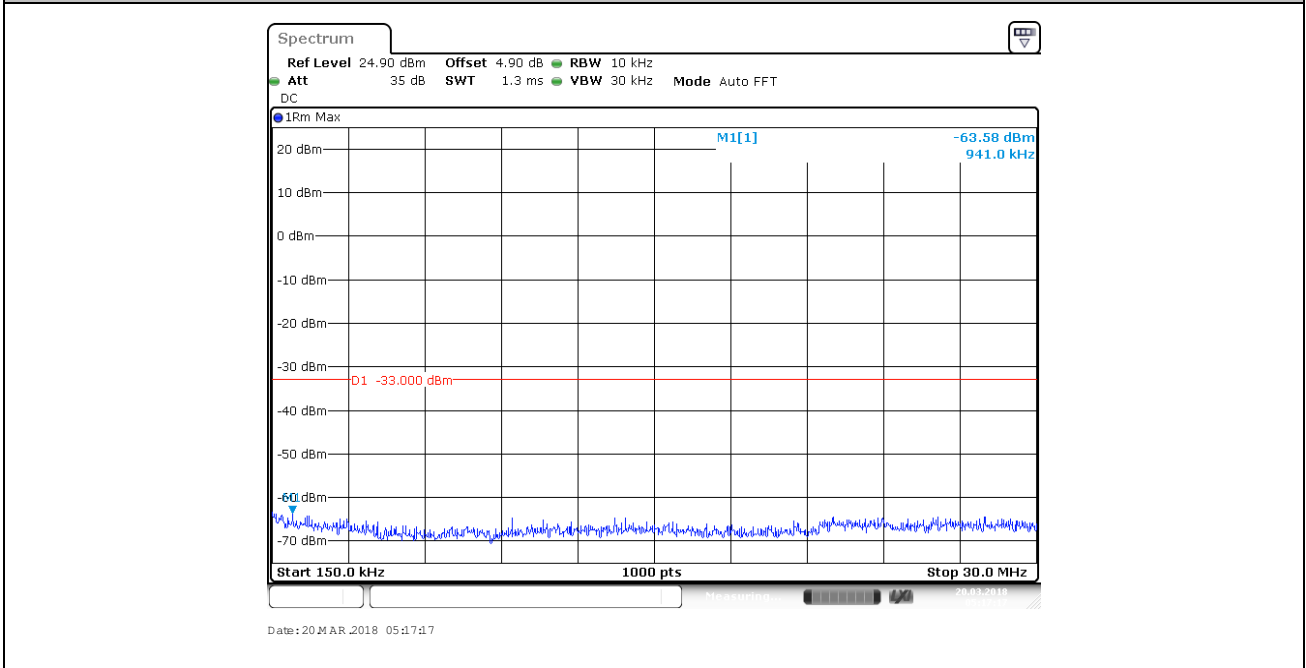
Band IV_1312



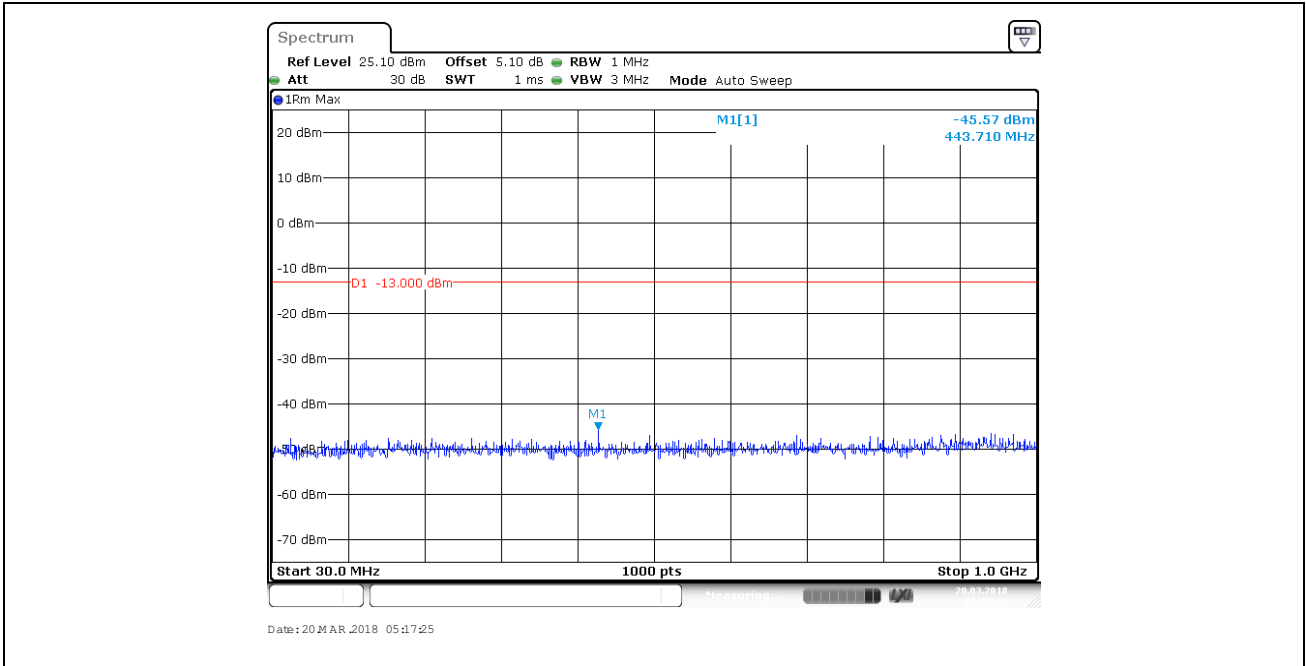
Band IV_1312



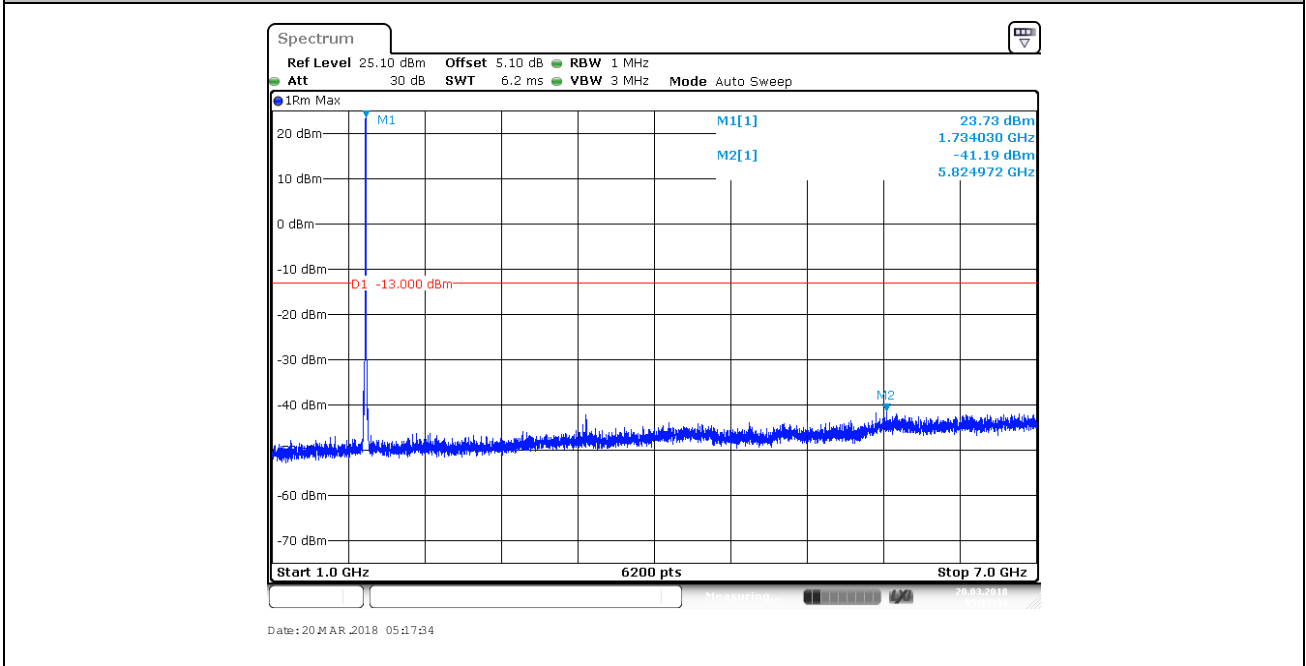
Band IV_1413



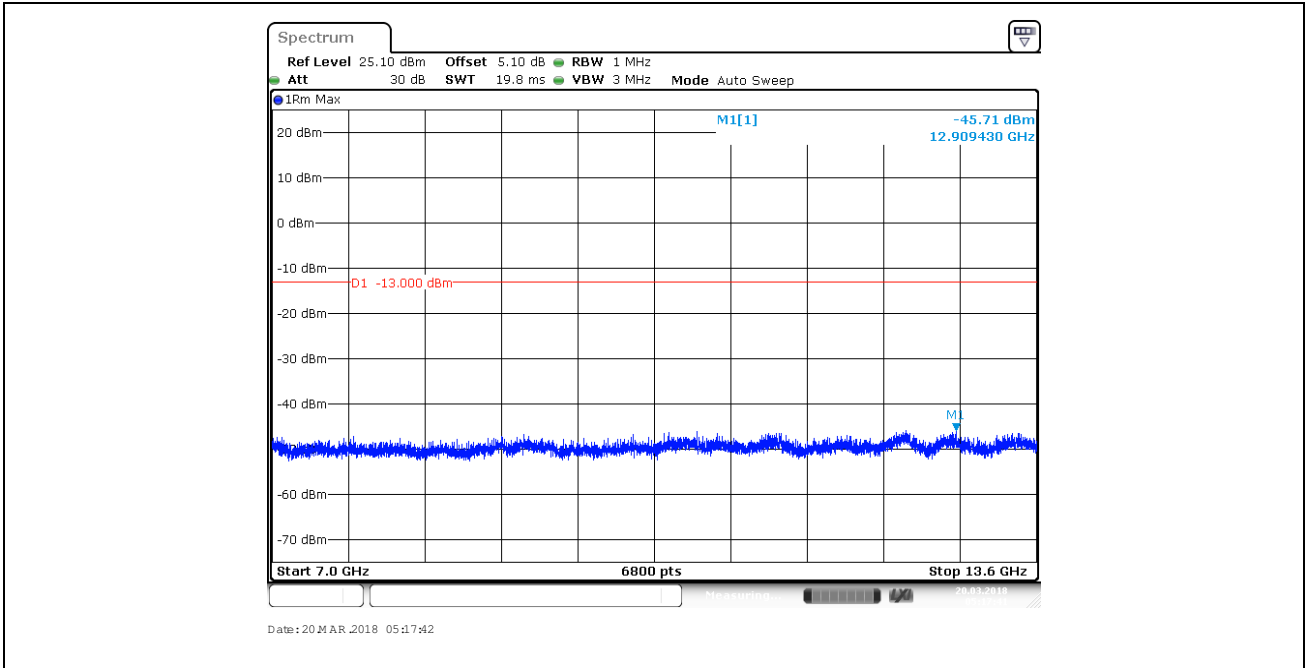
Band IV_1413



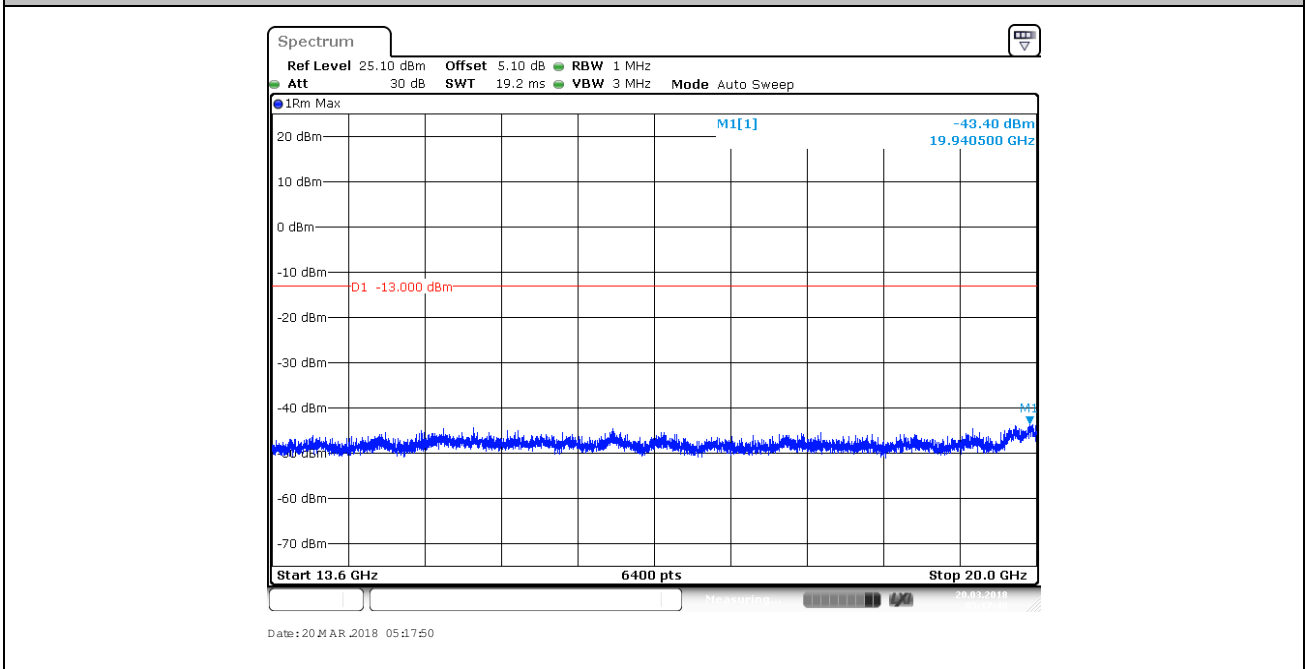
Band IV_1413



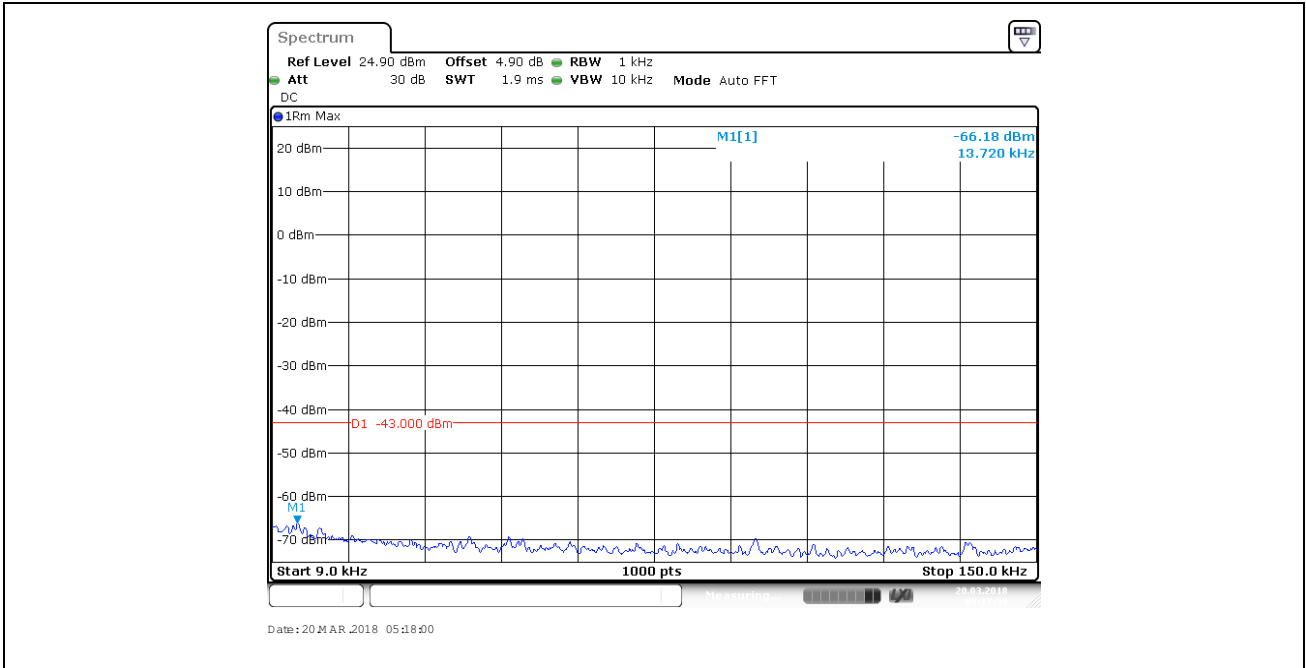
Band IV_1413



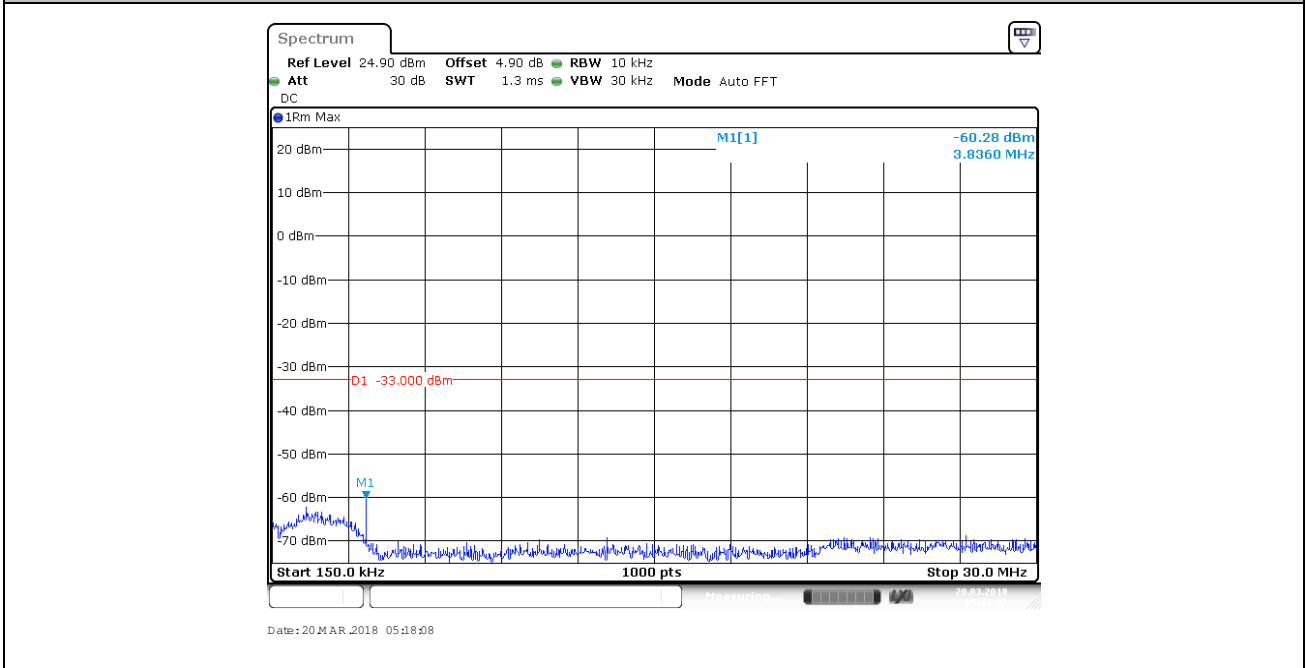
Band IV_1413



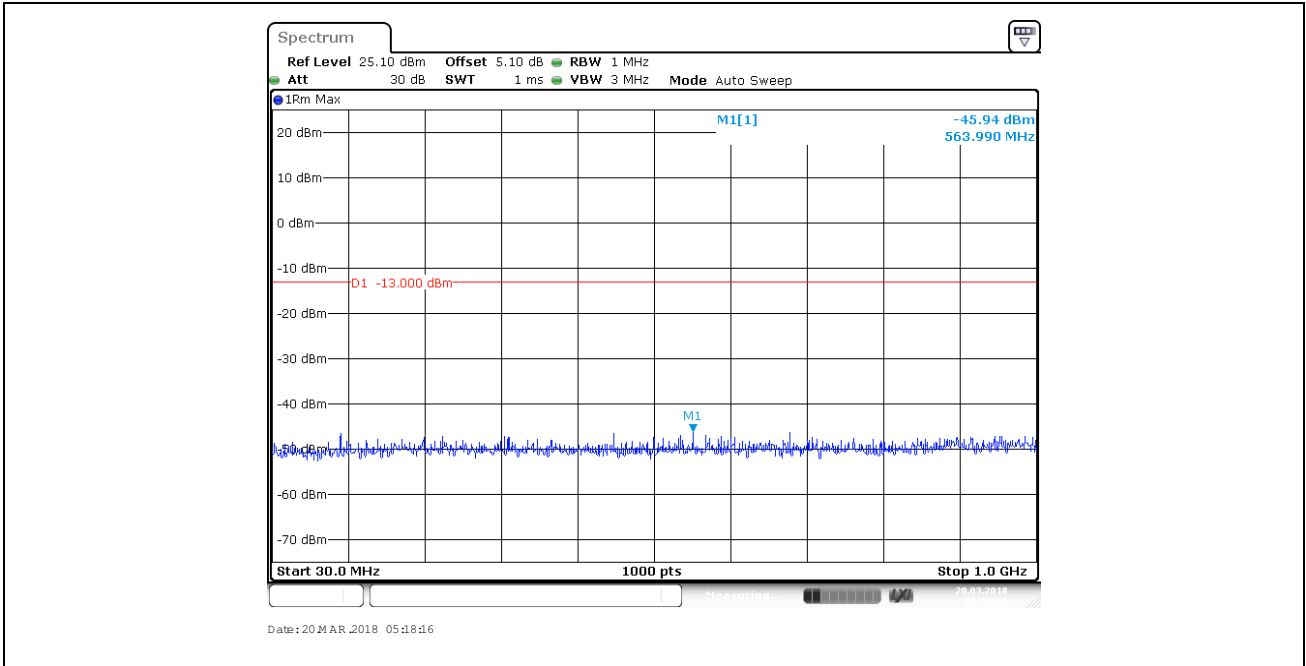
Band IV_1413



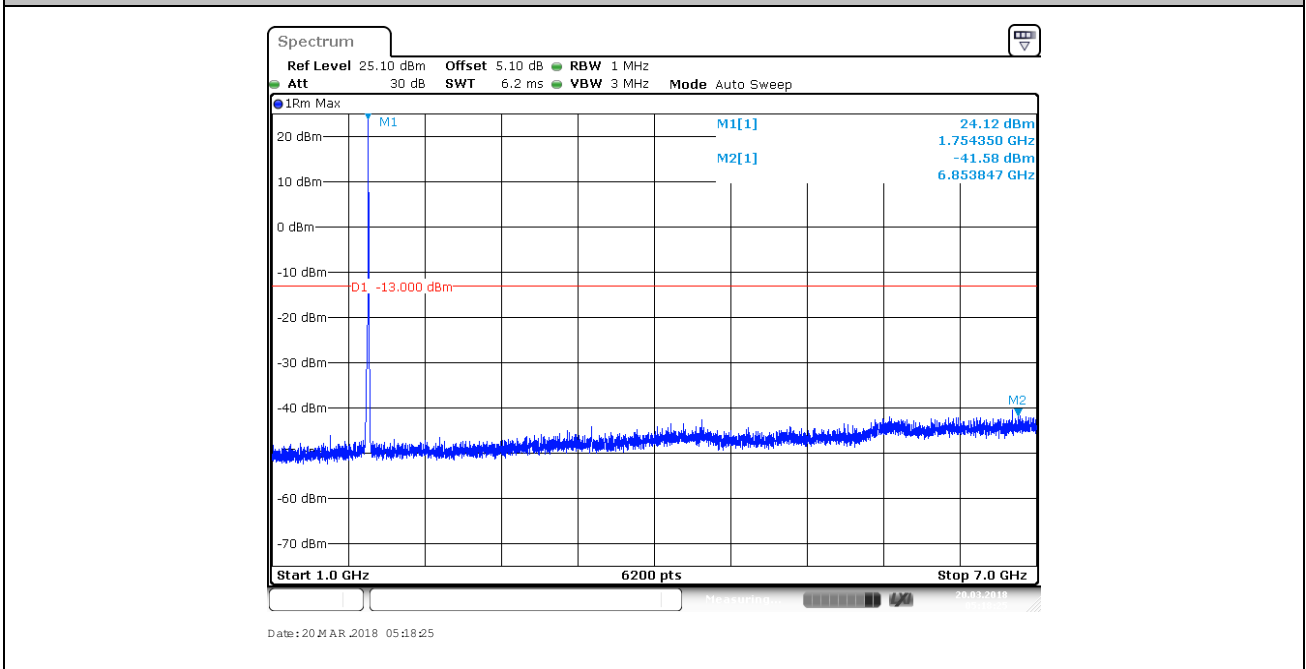
Band IV_1513



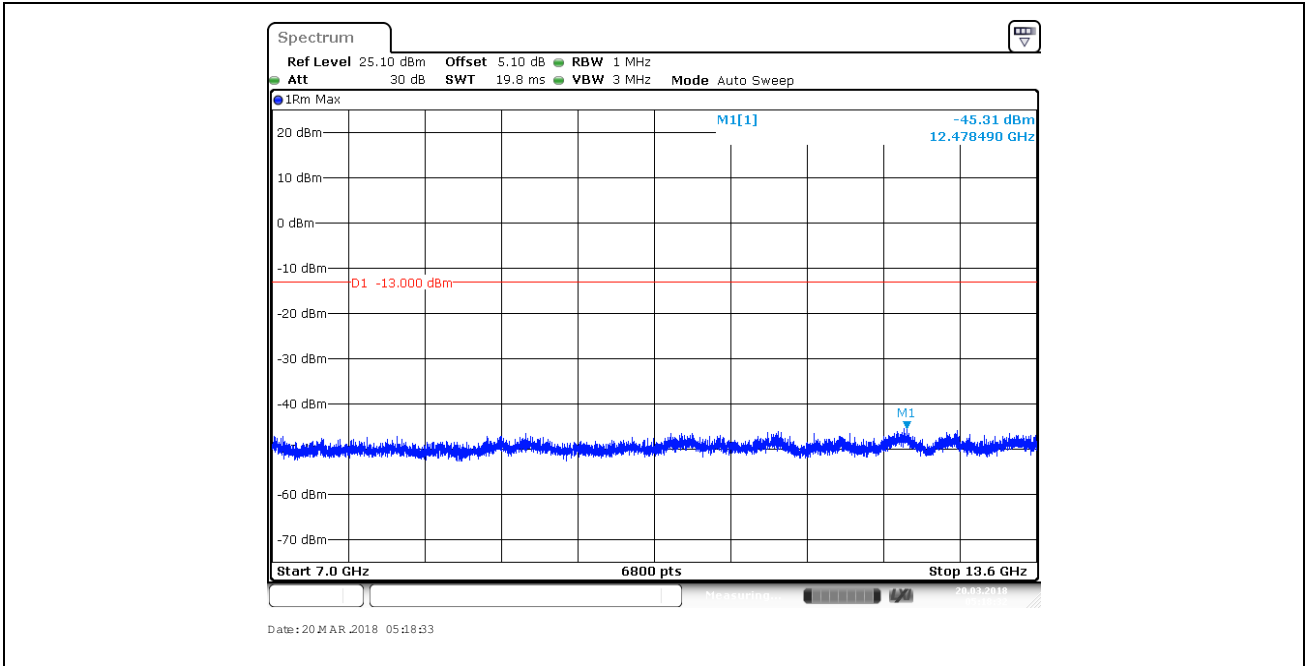
Band IV_1513



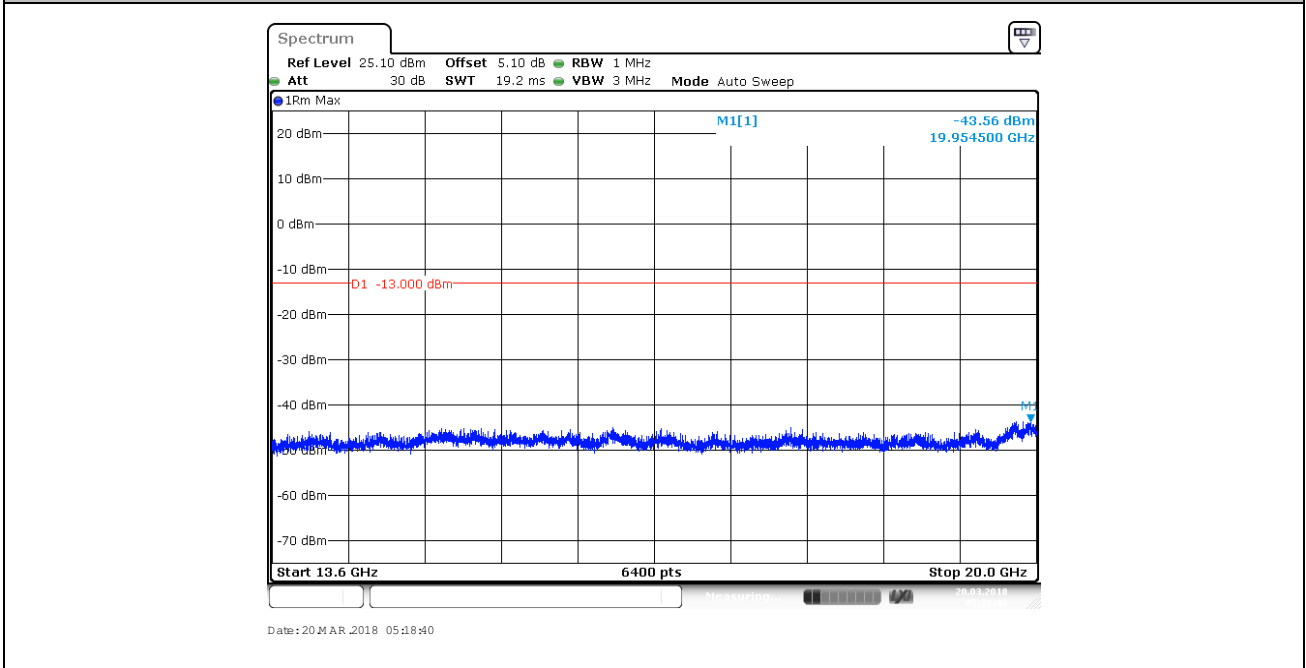
Band IV_1513



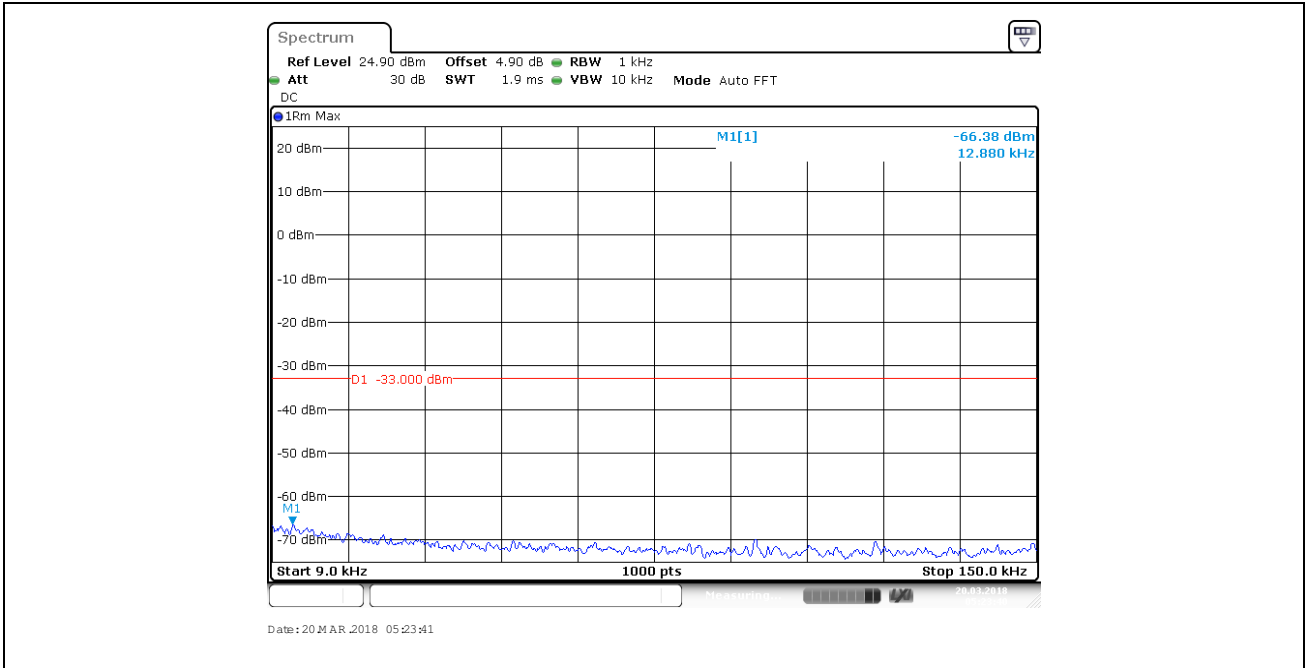
Band IV_1513



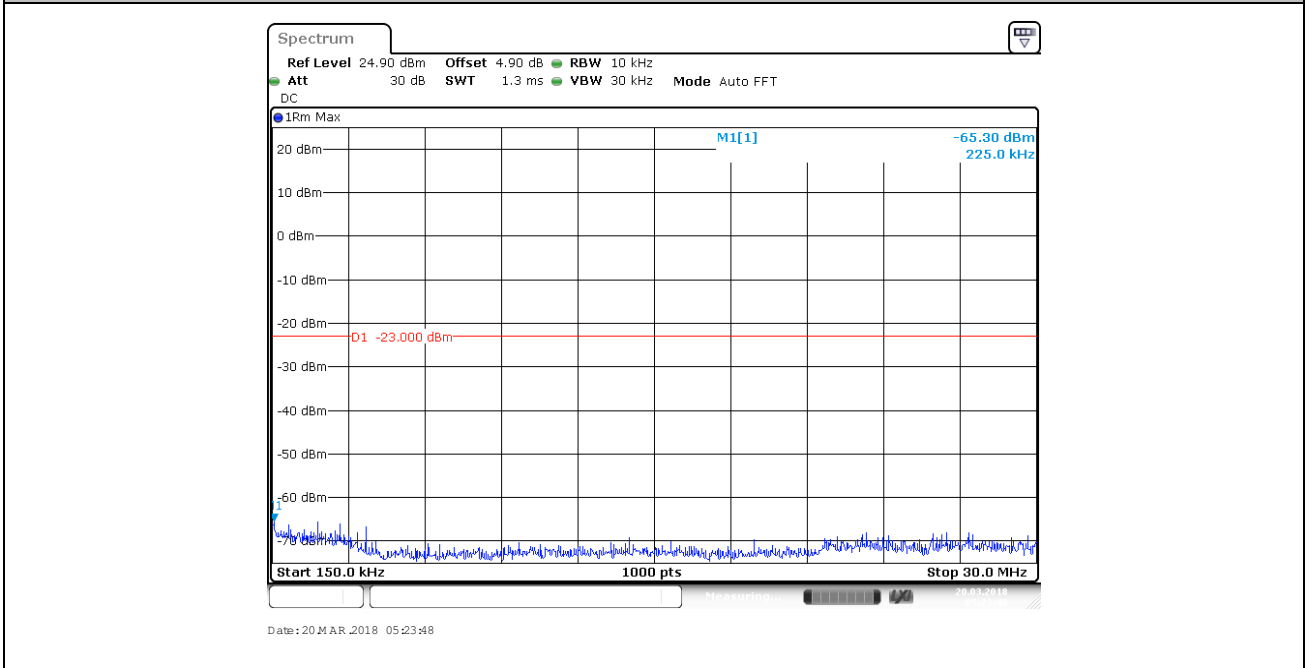
Band IV_1513



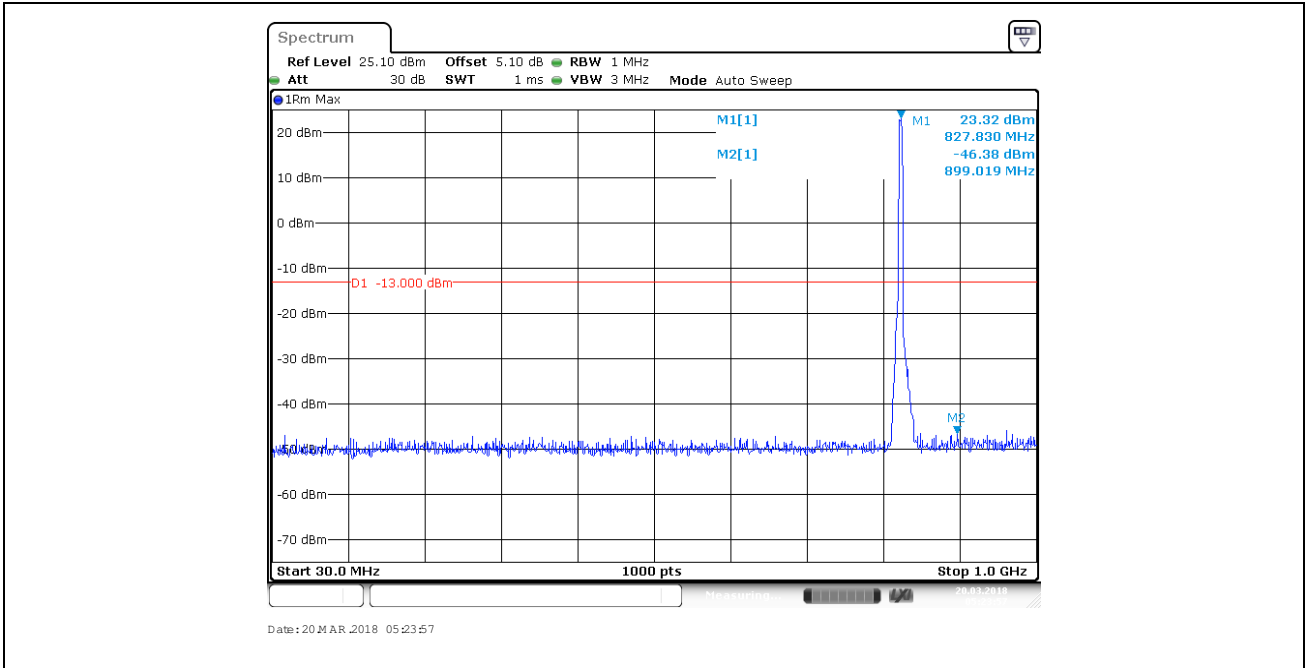
Band IV_1513



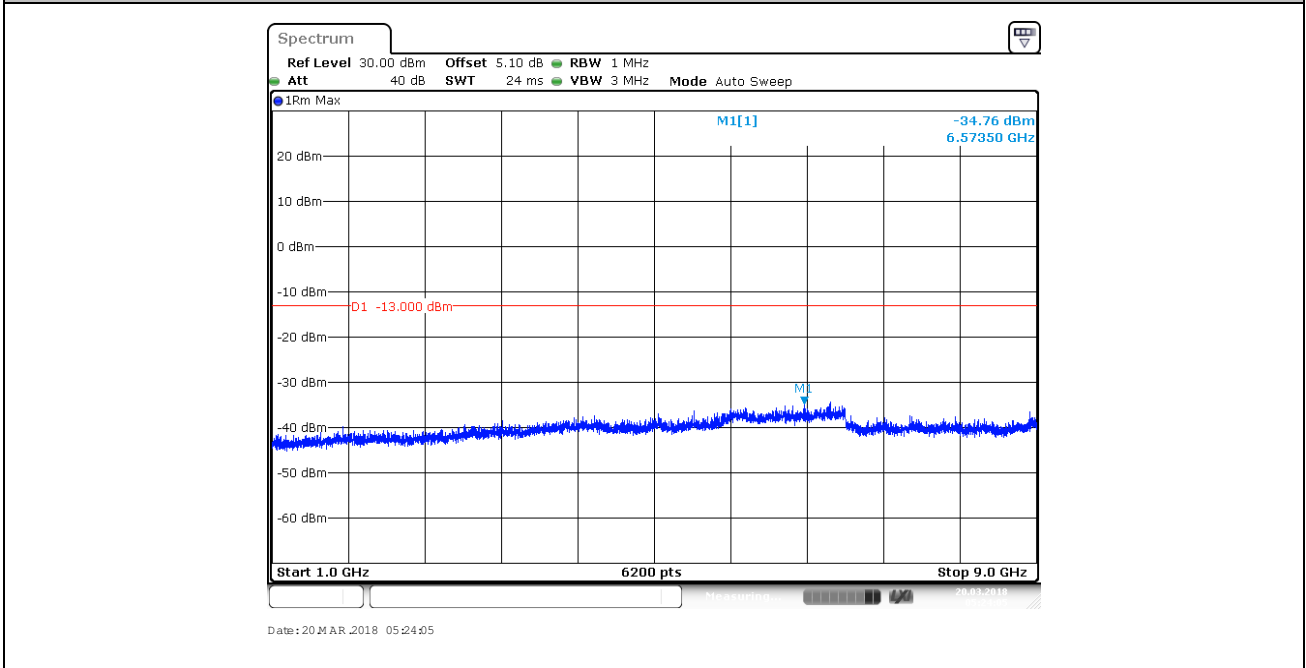
Band V_4132



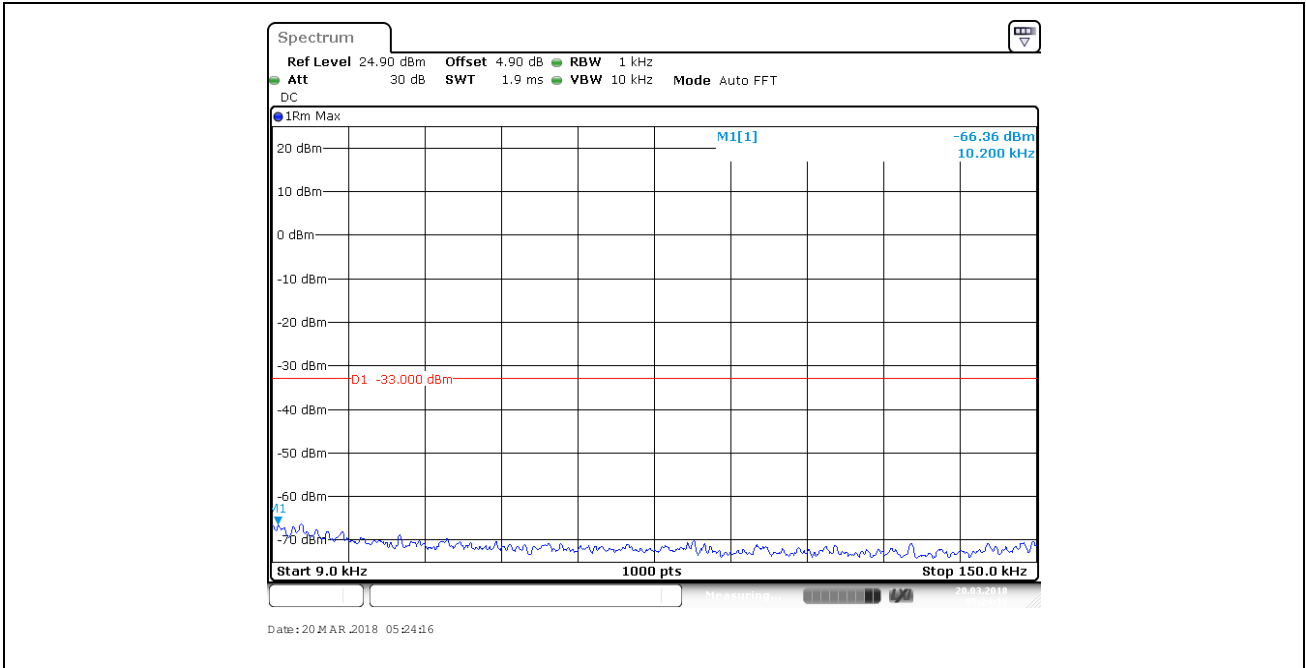
Band V_4132



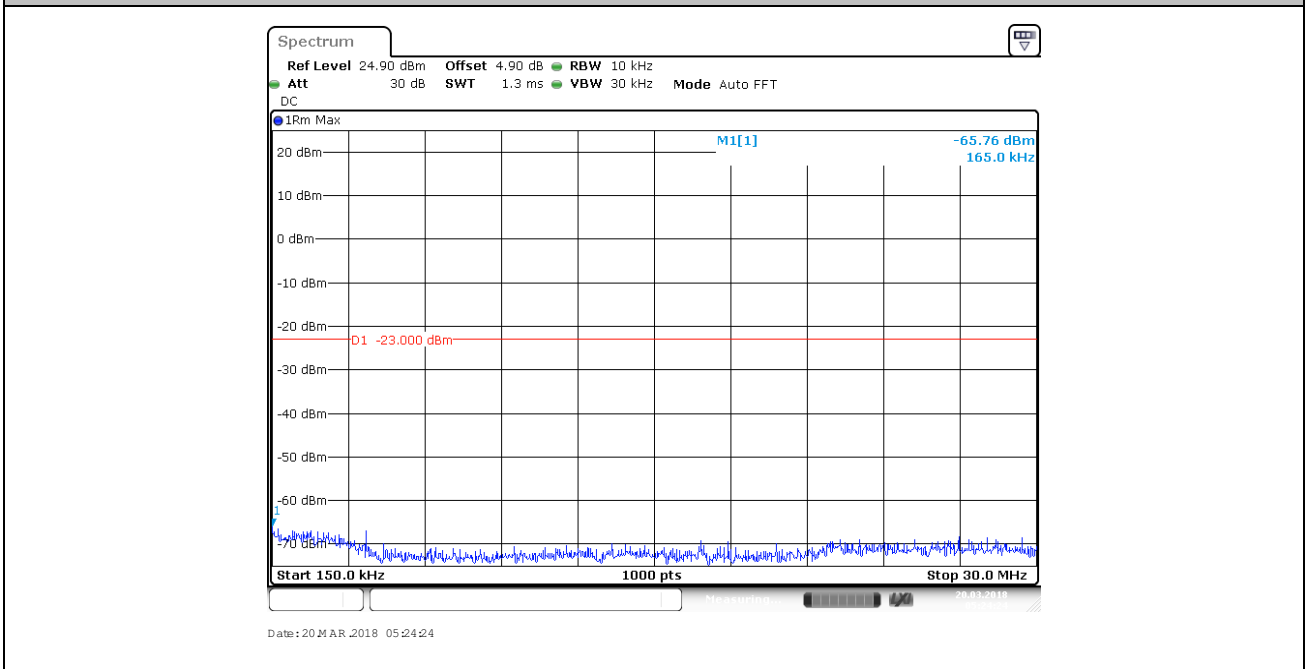
Band V_4132



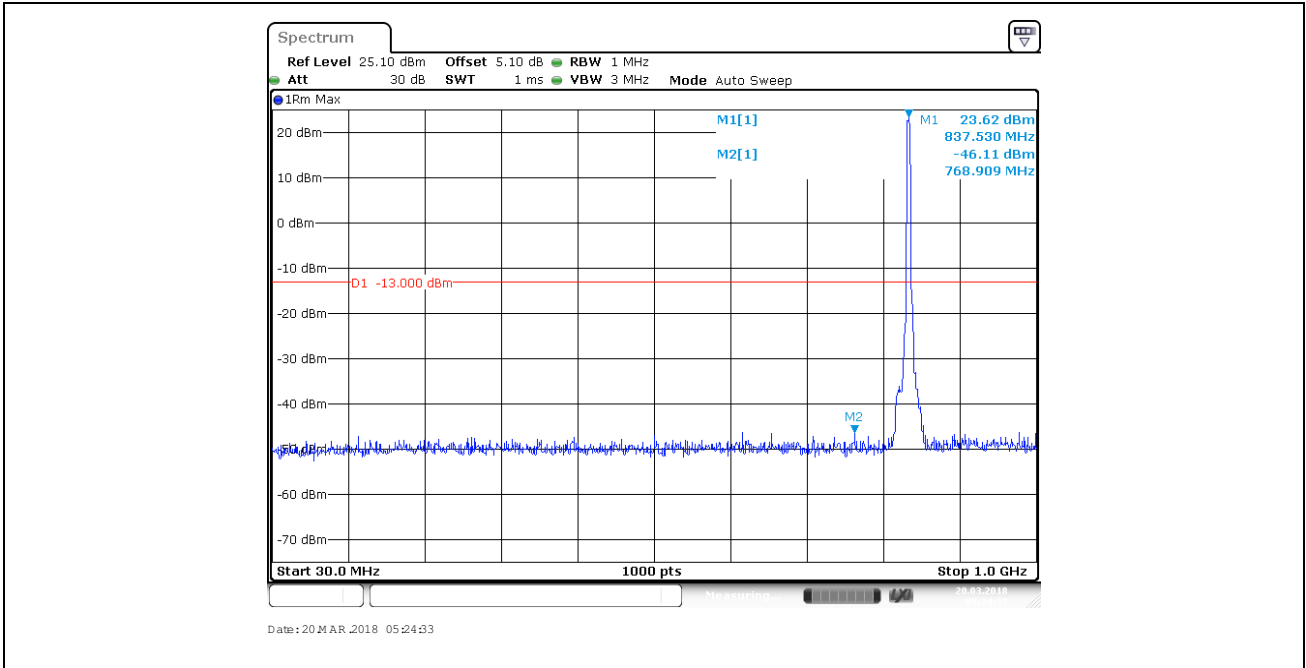
Band V_4132



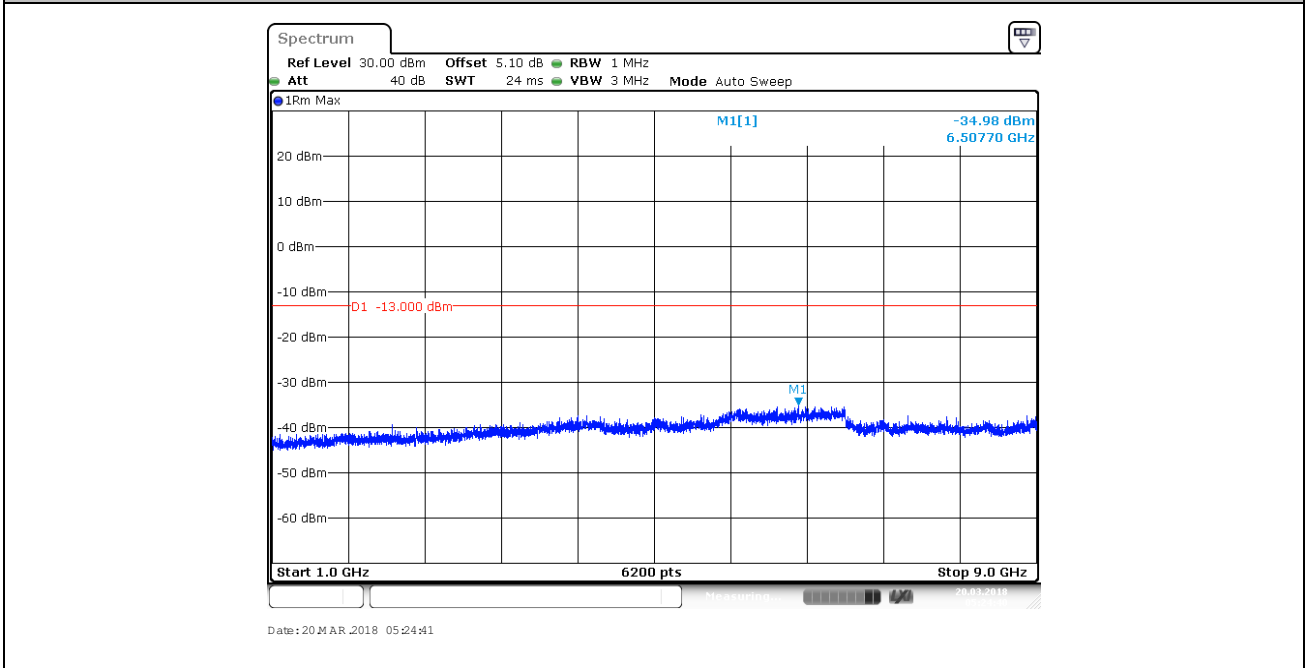
Band V_4182



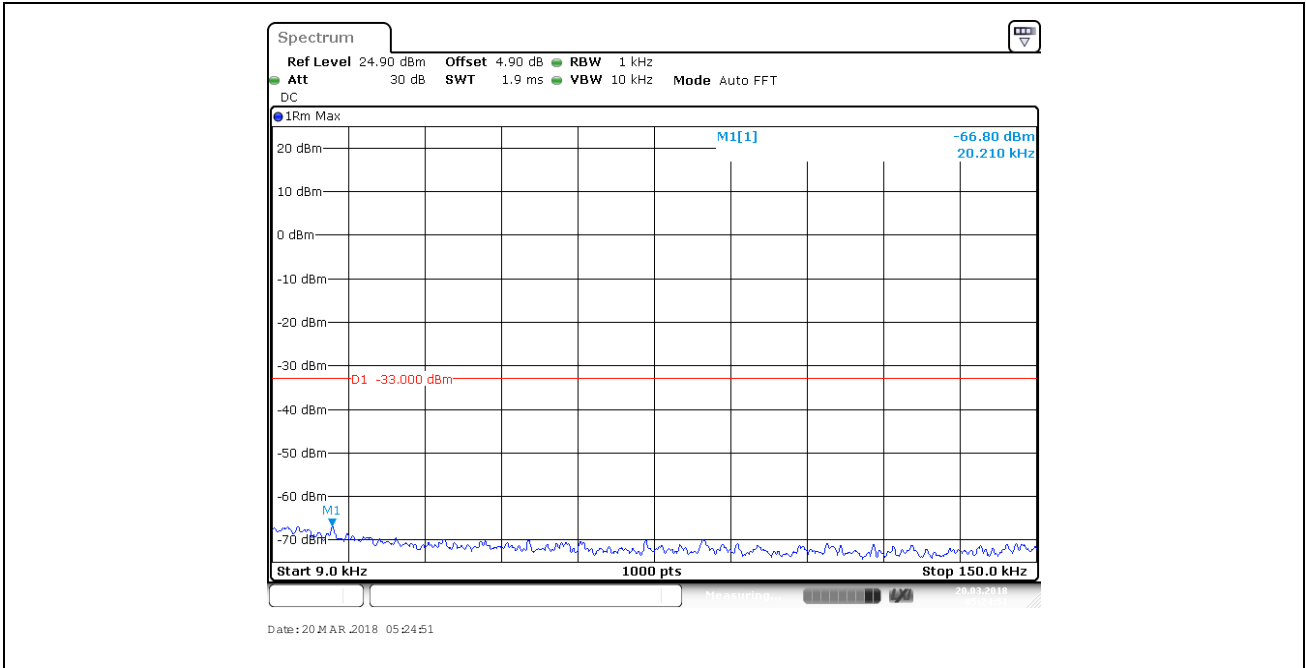
Band V_4182



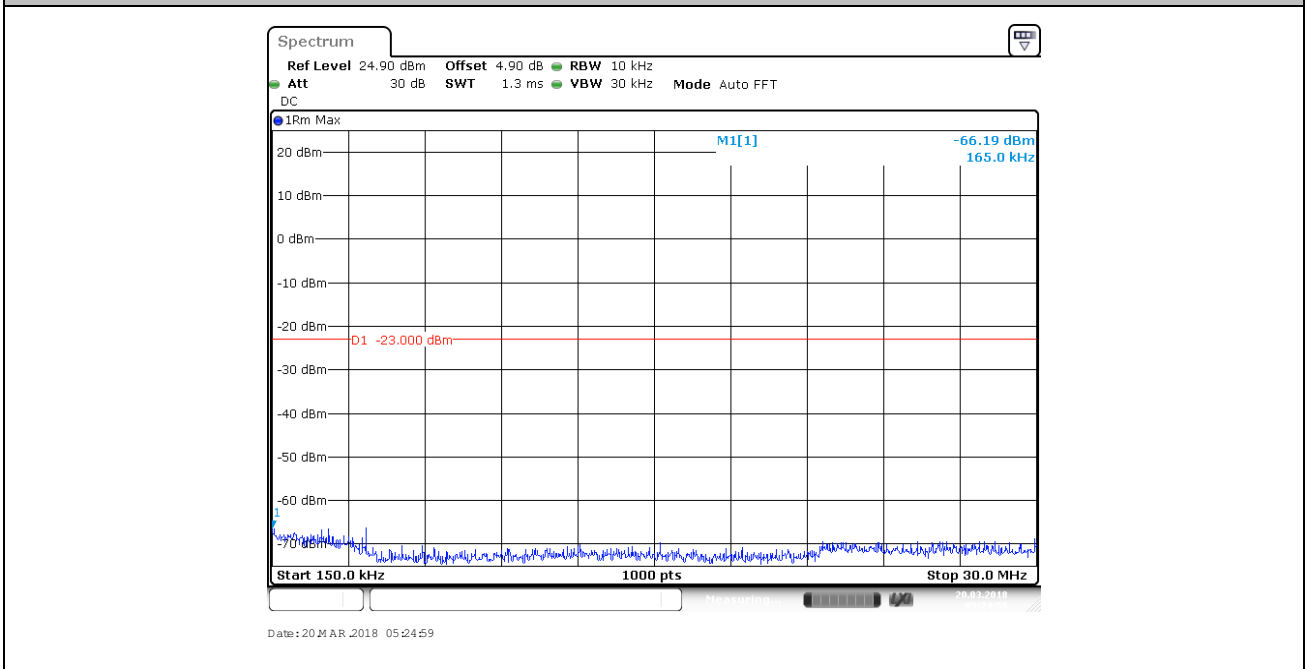
Band V_4182



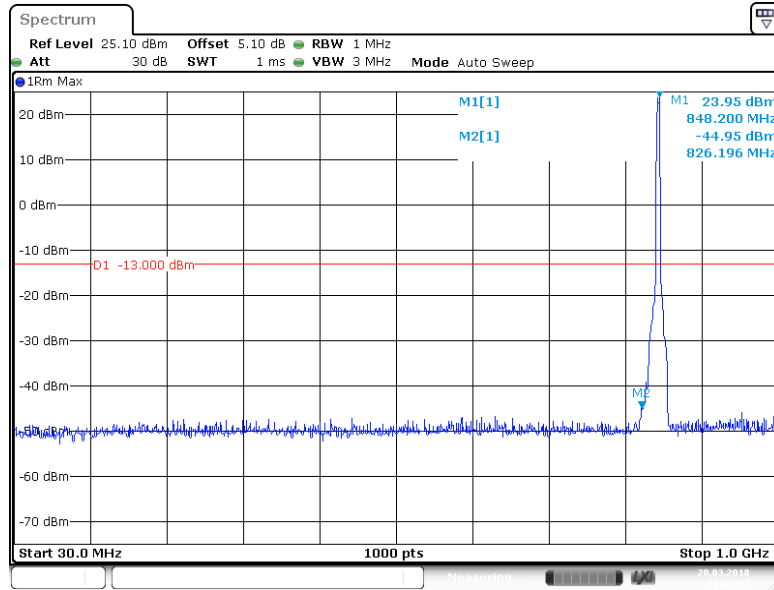
Band V_4182



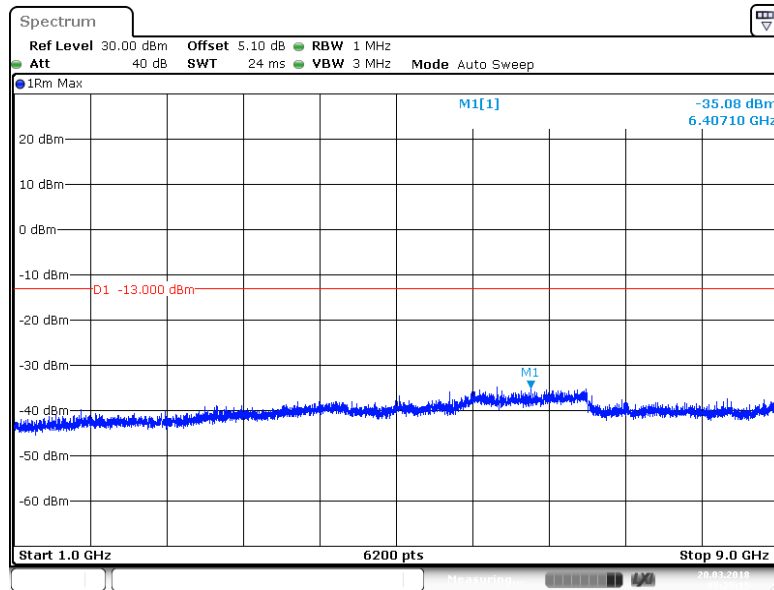
Band V_4233



Band V_4233



Band V_4233



Band V_4233



7. Field Strength of Spurious Radiation

6.1. Test Band = WCDMA 1900

6.1.1. Test Mode = UMTS/TM1

6.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.050000	-75.84	-13.00	62.84	Vertical
345.600000	-73.28	-13.00	60.28	Vertical
3702.975000	-57.46	-13.00	44.46	Vertical
5559.700000	-55.42	-13.00	42.42	Vertical
7406.675000	-64.43	-13.00	51.43	Vertical
10624.825000	-63.89	-13.00	50.89	Vertical
90.100000	-74.43	-13.00	61.43	Horizontal
305.950000	-70.36	-13.00	57.36	Horizontal
3702.975000	-56.69	-13.00	43.69	Horizontal
5553.850000	-60.64	-13.00	47.64	Horizontal
7413.825000	-65.04	-13.00	52.04	Horizontal
10269.600000	-64.43	-13.00	51.43	Horizontal

6.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.100000	-76.49	-13.00	63.49	Vertical
345.600000	-73.49	-13.00	60.49	Vertical
3758.225000	-51.81	-13.00	38.81	Vertical
5637.375000	-60.54	-13.00	47.54	Vertical
7523.025000	-64.80	-13.00	51.80	Vertical
9639.750000	-64.57	-13.00	51.57	Vertical
90.600000	-74.96	-13.00	61.96	Horizontal
308.250000	-70.55	-13.00	57.55	Horizontal
3758.225000	-57.02	-13.00	44.02	Horizontal
5642.900000	-63.31	-13.00	50.31	Horizontal
7250.025000	-65.13	-13.00	52.13	Horizontal
9242.275000	-64.10	-13.00	51.10	Horizontal



6.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.100000	-76.12	-13.00	63.12	Vertical
345.600000	-73.63	-13.00	60.63	Vertical
3813.475000	-53.20	-13.00	40.20	Vertical
5719.600000	-60.45	-13.00	47.45	Vertical
7630.600000	-64.82	-13.00	51.82	Vertical
10631.325000	-63.99	-13.00	50.99	Vertical
89.600000	-74.97	-13.00	61.97	Horizontal
296.750000	-71.43	-13.00	58.43	Horizontal
1199.500000	-62.25	-13.00	49.25	Horizontal
3816.725000	-56.45	-13.00	43.45	Horizontal
5725.450000	-59.94	-13.00	46.94	Horizontal
7066.725000	-65.05	-13.00	52.05	Horizontal

6.2. Test Band = WCDMA 1700

6.2.1. Test Mode = UMTS/TM1

6.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
86.600000	-75.85	-13.00	62.85	Vertical
345.600000	-73.85	-13.00	60.85	Vertical
3423.150000	-56.74	-13.00	43.74	Vertical
5134.275000	-52.78	-13.00	39.78	Vertical
6846.050000	-64.64	-13.00	51.64	Vertical
10056.400000	-64.55	-13.00	51.55	Vertical
90.600000	-75.26	-13.00	62.26	Horizontal
307.300000	-70.52	-13.00	57.52	Horizontal
3422.825000	-55.09	-13.00	42.09	Horizontal
5133.950000	-59.19	-13.00	46.19	Horizontal
6846.700000	-65.28	-13.00	52.28	Horizontal
10272.525000	-64.26	-13.00	51.26	Horizontal

6.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
89.600000	-74.92	-13.00	61.92	Vertical



345.600000	-73.70	-13.00	60.70	Vertical
3463.450000	-52.78	-13.00	39.78	Vertical
5194.725000	-58.30	-13.00	45.30	Vertical
6925.350000	-64.37	-13.00	51.37	Vertical
9245.850000	-63.96	-13.00	50.96	Vertical
90.150000	-72.18	-13.00	59.18	Horizontal
309.950000	-68.75	-13.00	55.75	Horizontal
1212.000000	-62.23	-13.00	49.23	Horizontal
3466.375000	-53.19	-13.00	40.19	Horizontal
5195.050000	-60.67	-13.00	47.67	Horizontal
6933.475000	-64.64	-13.00	51.64	Horizontal

6.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.150000	-73.54	-13.00	60.54	Vertical
345.600000	-73.81	-13.00	60.81	Vertical
3506.350000	-54.60	-13.00	41.60	Vertical
5260.375000	-62.76	-13.00	49.76	Vertical
6907.800000	-65.25	-13.00	52.25	Vertical
9247.800000	-64.15	-13.00	51.15	Vertical
56.150000	-78.13	-13.00	65.13	Horizontal
90.650000	-72.67	-13.00	59.67	Horizontal
309.400000	-68.33	-13.00	55.33	Horizontal
3503.425000	-56.92	-13.00	43.92	Horizontal
5260.050000	-60.77	-13.00	47.77	Horizontal
7941.950000	-64.14	-13.00	51.14	Horizontal

6.3. Test Band = WCDMA 850

6.3.1. Test Mode = UMTS/TM1

6.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
89.100000	-76.88	-13.00	63.88	Vertical
345.600000	-73.44	-13.00	60.44	Vertical
1651.000000	-50.92	-13.00	37.92	Vertical
2479.500000	-18.95	-13.00	5.95	Vertical
3302.575000	-66.10	-13.00	53.10	Vertical



4895.400000	-67.14	-13.00	54.14	Vertical
90.600000	-75.28	-13.00	62.28	Horizontal
307.250000	-69.72	-13.00	56.72	Horizontal
1654.500000	-50.60	-13.00	37.60	Horizontal
2480.000000	-19.66	-13.00	6.66	Horizontal
3302.575000	-67.75	-13.00	54.75	Horizontal
4136.200000	-66.16	-13.00	53.16	Horizontal

6.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.100000	-76.34	-13.00	63.34	Vertical
345.600000	-73.71	-13.00	60.71	Vertical
1674.000000	-55.55	-13.00	42.55	Vertical
2512.000000	-54.30	-13.00	41.30	Vertical
4306.500000	-67.00	-13.00	54.00	Vertical
6715.400000	-65.45	-13.00	52.45	Vertical
91.100000	-74.85	-13.00	61.85	Horizontal
304.750000	-70.65	-13.00	57.65	Horizontal
1671.500000	-51.74	-13.00	38.74	Horizontal
2512.000000	-52.81	-13.00	39.81	Horizontal
4177.150000	-66.46	-13.00	53.46	Horizontal
9211.075000	-64.12	-13.00	51.12	Horizontal

6.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
90.600000	-75.63	-13.00	62.63	Vertical
345.600000	-73.62	-13.00	60.62	Vertical
1692.000000	-54.73	-13.00	41.73	Vertical
2542.500000	-52.79	-13.00	39.79	Vertical
3383.175000	-68.79	-13.00	55.79	Vertical
6049.150000	-65.42	-13.00	52.42	Vertical
118.950000	-70.01	-13.00	57.01	Horizontal
304.800000	-70.43	-13.00	57.43	Horizontal
1691.500000	-49.60	-13.00	36.60	Horizontal
2542.500000	-51.97	-13.00	38.97	Horizontal
3326.625000	-69.11	-13.00	56.11	Horizontal
4237.275000	-65.86	-13.00	52.86	Horizontal



NOTE:

- 1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation, but only the worst case data presented in this report.

8. Appendix F: Frequency Stability

7.1. Frequency Vs Voltage

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VL	TN	0.10	0.000054	2.5	PASS
		VN	TN	1.69	0.000911	2.5	PASS
		VH	TN	1.83	0.000988	2.5	PASS
	9400	VL	TN	-1.65	-0.000879	2.5	PASS
		VN	TN	-1.63	-0.000867	2.5	PASS
		VH	TN	-1.49	-0.000791	2.5	PASS
	9538	VL	TN	-5.38	-0.002820	2.5	PASS
		VN	TN	-3.23	-0.001695	2.5	PASS
		VH	TN	-3.41	-0.001789	2.5	PASS
Band IV	1312	VL	TN	8.80	0.005138	2.5	PASS
		VN	TN	9.14	0.005338	2.5	PASS
		VH	TN	9.21	0.005380	2.5	PASS
	1413	VL	TN	-1.02	-0.000590	2.5	PASS
		VN	TN	-0.87	-0.000500	2.5	PASS
		VH	TN	0.89	0.000512	2.5	PASS
	1513	VL	TN	-9.91	-0.005656	2.5	PASS
		VN	TN	-10.21	-0.005828	2.5	PASS
		VH	TN	-9.02	-0.005146	2.5	PASS
Band V	4132	VL	TN	0.87	0.001056	2.5	PASS
		VN	TN	1.54	0.001869	2.5	PASS
		VH	TN	0.54	0.000649	2.5	PASS
	4182	VL	TN	-1.07	-0.001283	2.5	PASS
		VN	TN	-0.04	-0.000043	2.5	PASS
		VH	TN	-0.67	-0.000795	2.5	PASS
	4233	VL	TN	-1.61	-0.001901	2.5	PASS
		VN	TN	-1.37	-0.001622	2.5	PASS
		VH	TN	-0.63	-0.000743	2.5	PASS



7.2. Frequency Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	0.91	0.000490	2.5	PASS
			-20	1.62	0.000877	2.5	PASS
			-10	2.23	0.001205	2.5	PASS
			0	-0.23	-0.000124	2.5	PASS
			10	0.81	0.000436	2.5	PASS
			20	1.52	0.000819	2.5	PASS
			30	2.89	0.001560	2.5	PASS
			40	1.22	0.000660	2.5	PASS
			50	2.11	0.001139	2.5	PASS
	9400	VN	-30	-0.48	-0.000255	2.5	PASS
			-20	-1.40	-0.000746	2.5	PASS
			-10	-2.29	-0.001217	2.5	PASS
			0	-1.41	-0.000749	2.5	PASS
			10	-2.46	-0.001309	2.5	PASS
			20	-1.09	-0.000578	2.5	PASS
			30	-0.61	-0.000323	2.5	PASS
			40	-0.51	-0.000274	2.5	PASS
			50	-1.42	-0.000757	2.5	PASS
	9538	VN	-30	-3.83	-0.002006	2.5	PASS
			-20	-3.79	-0.001987	2.5	PASS
			-10	-3.59	-0.001882	2.5	PASS
			0	-2.93	-0.001537	2.5	PASS
			10	-3.38	-0.001774	2.5	PASS
			20	-4.66	-0.002441	2.5	PASS
30			-4.15	-0.002175	2.5	PASS	
40			-5.40	-0.002831	2.5	PASS	
50			-3.73	-0.001953	2.5	PASS	
Band IV	1312	VN	-30	9.12	0.005326	2.5	PASS
			-20	8.99	0.005250	2.5	PASS
			-10	8.20	0.004791	2.5	PASS
			0	9.74	0.005689	2.5	PASS
			10	9.61	0.005610	2.5	PASS
			20	10.14	0.005919	2.5	PASS
			30	9.57	0.005589	2.5	PASS
			40	8.79	0.005133	2.5	PASS
			50	8.85	0.005171	2.5	PASS
	1413	VN	-30	-0.48	-0.000277	2.5	PASS
			-20	0.05	0.000029	2.5	PASS
			-10	0.02	0.000012	2.5	PASS
			0	0.77	0.000446	2.5	PASS
			10	0.31	0.000178	2.5	PASS

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			20	1.56	0.000900	2.5	PASS
			30	0.35	0.000202	2.5	PASS
			40	0.67	0.000388	2.5	PASS
			50	1.22	0.000706	2.5	PASS
	1513	VN	-30	-9.95	-0.005677	2.5	PASS
			-20	-7.92	-0.004518	2.5	PASS
			-10	-10.46	-0.005967	2.5	PASS
			0	-9.56	-0.005456	2.5	PASS
			10	-9.48	-0.005407	2.5	PASS
			20	-10.99	-0.006269	2.5	PASS
			30	-10.31	-0.005881	2.5	PASS
			40	-10.36	-0.005914	2.5	PASS
			50	-10.66	-0.006085	2.5	PASS
			Band V	4132	VN	-30	0.31
-20	0.64	0.000770				2.5	PASS
-10	0.71	0.000857				2.5	PASS
0	0.54	0.000658				2.5	PASS
10	0.96	0.001160				2.5	PASS
20	0.70	0.000848				2.5	PASS
30	-0.12	-0.000147				2.5	PASS
40	0.13	0.000156				2.5	PASS
4182	VN	50		0.28	0.000338	2.5	PASS
		-30		-0.89	-0.001060	2.5	PASS
		-20		0.62	0.000735	2.5	PASS
		-10		-0.57	-0.000676	2.5	PASS
		0		0.16	0.000188	2.5	PASS
		10		-1.09	-0.001300	2.5	PASS
		20		0.22	0.000265	2.5	PASS
		30		-0.49	-0.000582	2.5	PASS
4233	VN	40		0.52	0.000624	2.5	PASS
		50		-0.62	-0.000735	2.5	PASS
		-30		-1.51	-0.001783	2.5	PASS
		-20		-1.57	-0.001850	2.5	PASS
		-10		-1.29	-0.001521	2.5	PASS
		0		-0.69	-0.000820	2.5	PASS
		10		-1.79	-0.002112	2.5	PASS
		20		-1.50	-0.001774	2.5	PASS
30	-1.58	-0.001867		2.5	PASS		
40	-0.53	-0.000625		2.5	PASS		
50	-1.45	-0.001715		2.5	PASS		

The End