

Appendix B

WCDMA BAND II & IV & V



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Test Mode	Channel	Conducted Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	UMTS/TM1	9262	23.01	23.57	33.00	PASS
		9400	23.14	23.70	33.00	PASS
		9538	23.08	23.64	33.00	PASS
	UMTS/TM2	9262	22.06	21.50	33.00	PASS
		9400	22.15	21.59	33.00	PASS
		9538	21.96	21.40	33.00	PASS
Band IV	UMTS/TM1	1312	21.85	22.22	30.00	PASS
		1413	21.82	22.19	30.00	PASS
		1513	21.84	22.21	30.00	PASS
	UMTS/TM2	1312	20.15	19.78	30.00	PASS
		1413	20.25	19.88	30.00	PASS
		1513	20.32	19.95	30.00	PASS

BAND	Test Mode	Channel	Conducted Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band V	UMTS/TM1	4132	22.59	18.12	38.45	PASS
		4182	22.89	18.42	38.45	PASS
		4233	22.46	17.99	38.45	PASS
	UMTS/TM2	4132	21.36	16.89	38.45	PASS
		4182	21.31	16.84	38.45	PASS
		4233	21.41	16.94	38.45	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted power} [dBm] + \text{Gain} [dBi]$$



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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

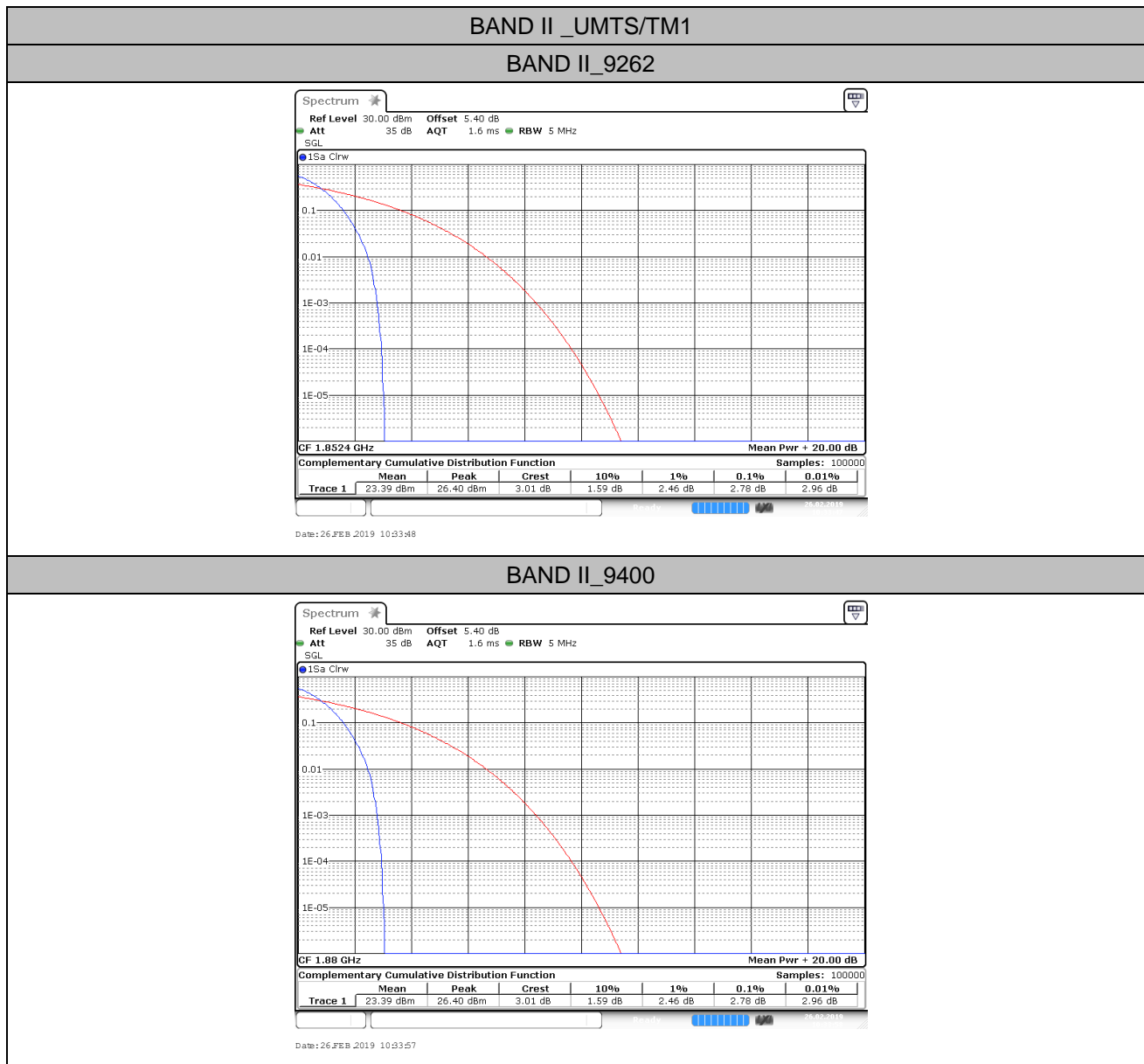
BAND	Test Mode	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	UMTS/TM1	9262	2.78	13	PASS
		9400	2.78	13	PASS
		9538	2.78	13	PASS
	UMTS/TM2	9262	3.33	13	PASS
		9400	4.67	13	PASS
		9538	4.41	13	PASS
Band IV	UMTS/TM1	1312	3.13	13	PASS
		1413	3.13	13	PASS
		1513	3.13	13	PASS
	UMTS/TM2	1312	3.13	13	PASS
		1413	3.91	13	PASS
		1513	4.49	13	PASS
Band V	UMTS/TM1	4132	2.70	13	PASS
		4182	3.01	13	PASS
		4233	2.29	13	PASS
	UMTS/TM2	4132	3.65	13	PASS
		4182	3.16	13	PASS
		4233	2.58	13	PASS



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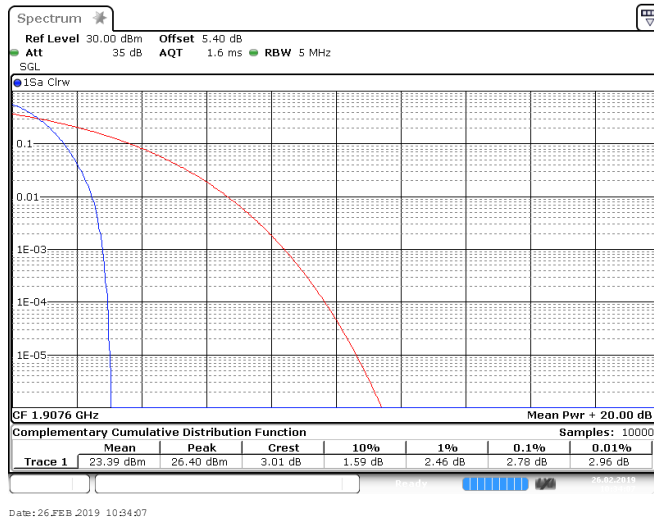
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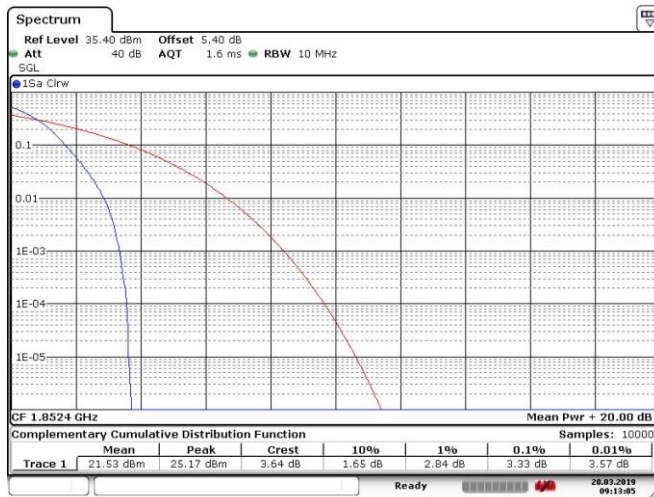
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BAND II_UMTS/TM2

BAND II_9262



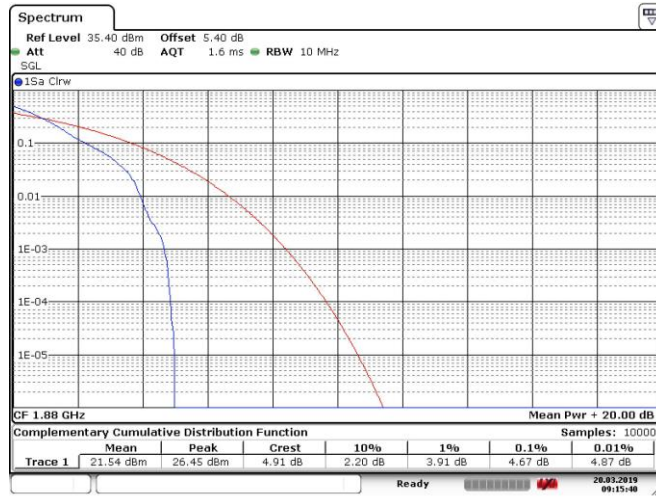
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BAND II_9400



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BAND II_9538



Date: 20 MAR 2019 09:16:15

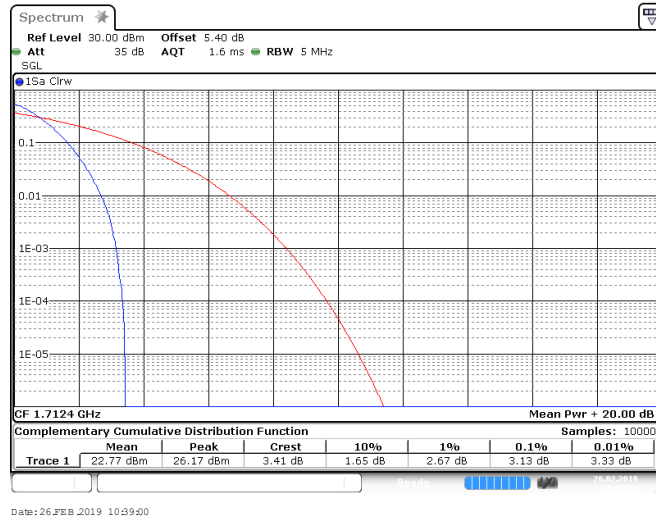


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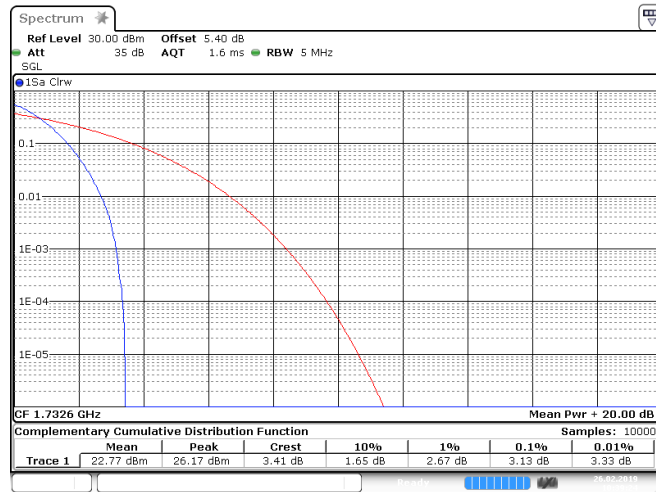
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BAND IV_1312



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BAND IV_1413



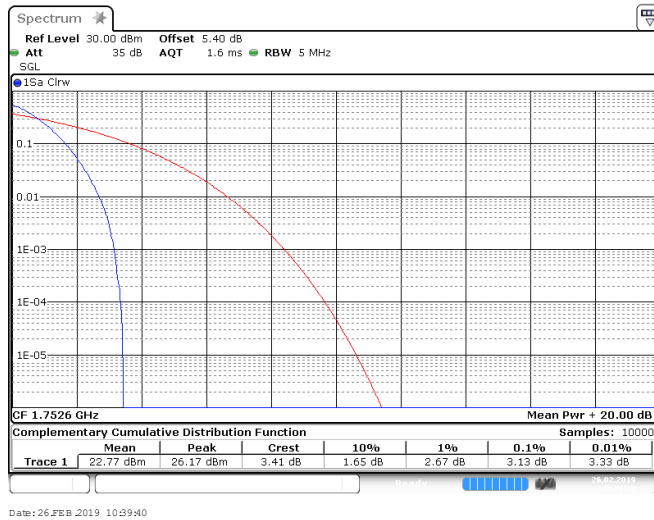
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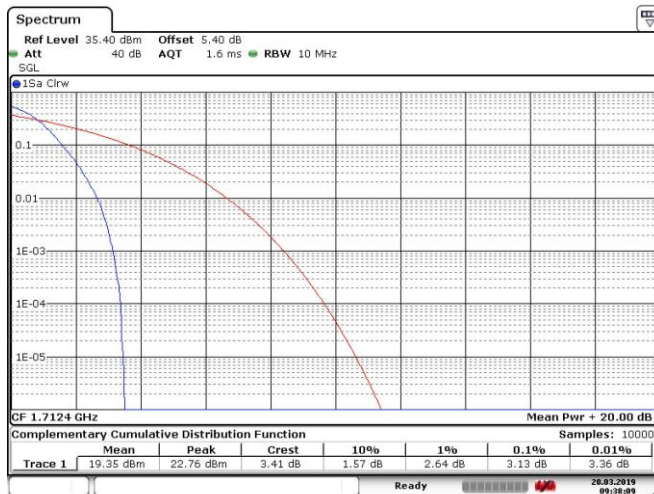
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BAND IV_UMTS/TM2

BAND IV_1312



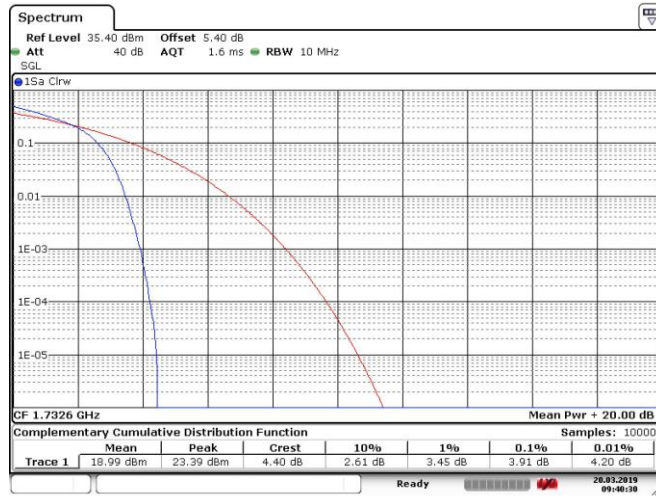
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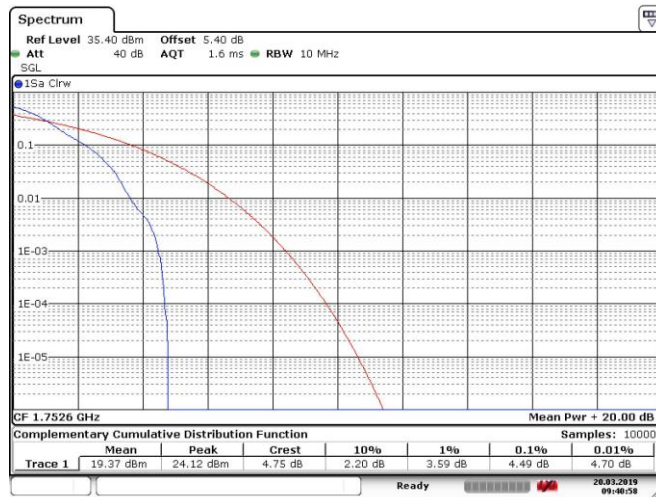
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BAND IV_1413



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BAND IV_1513



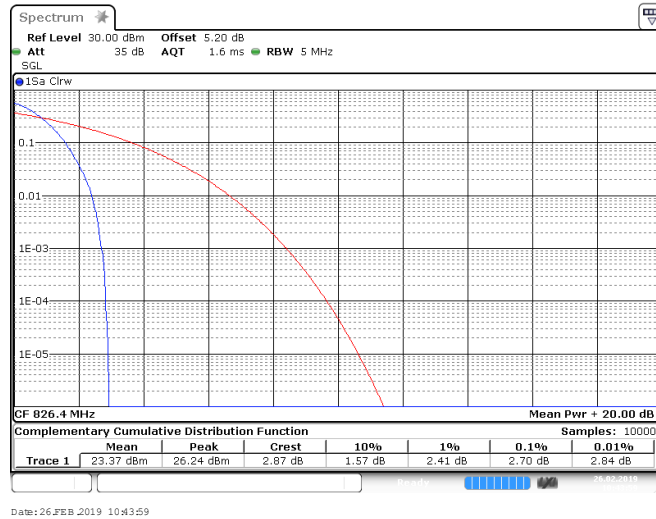
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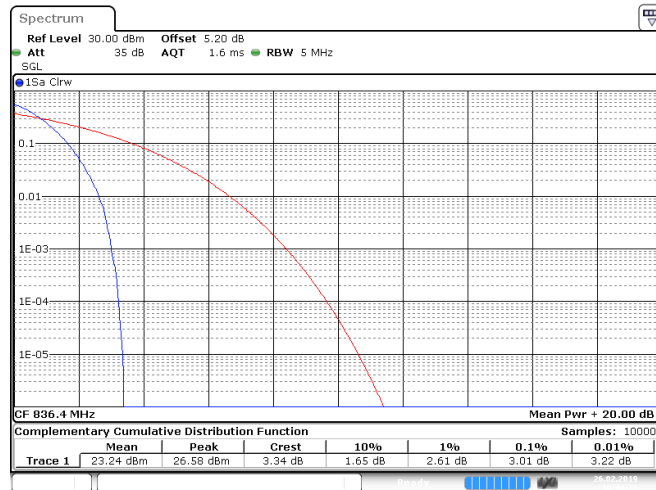
BAND V _UMTS/TM1

BAND V_4132



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BAND V_4182



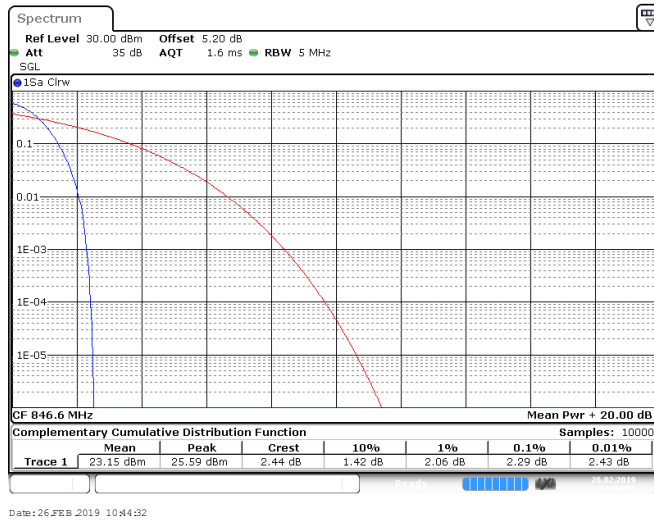
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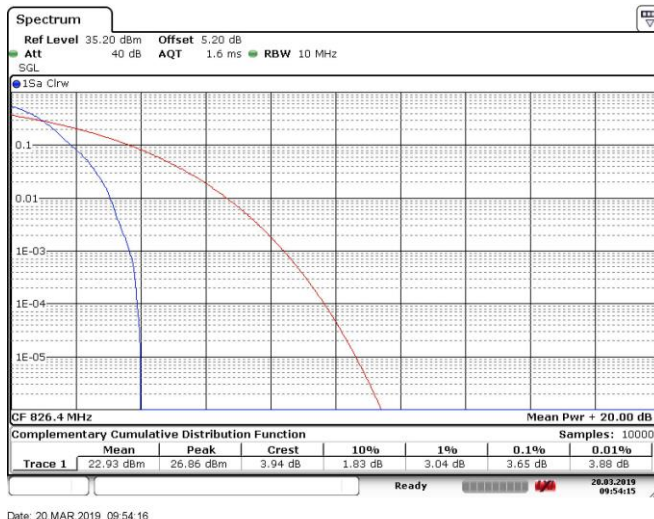
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BAND V_4233



BAND V_UMTS/TM2

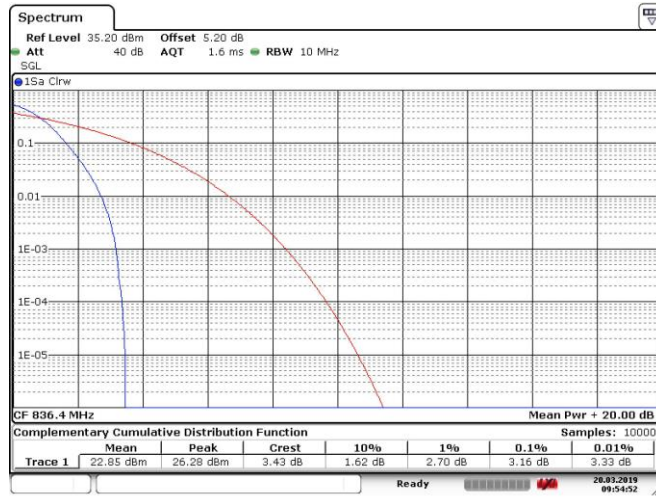
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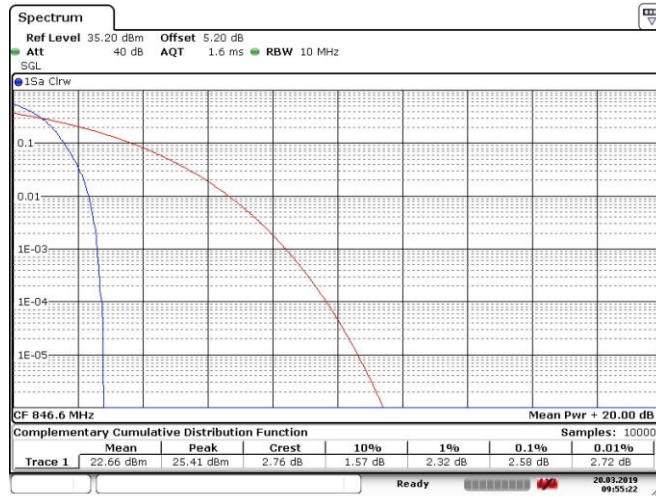
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BAND V_4182



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BAND V_4233



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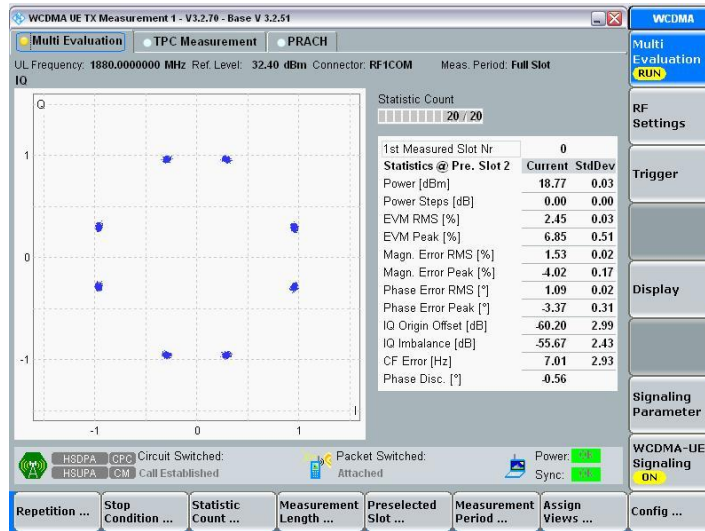
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3. Modulation Characteristics

3.1. Test BAND = WCDMA BAND II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



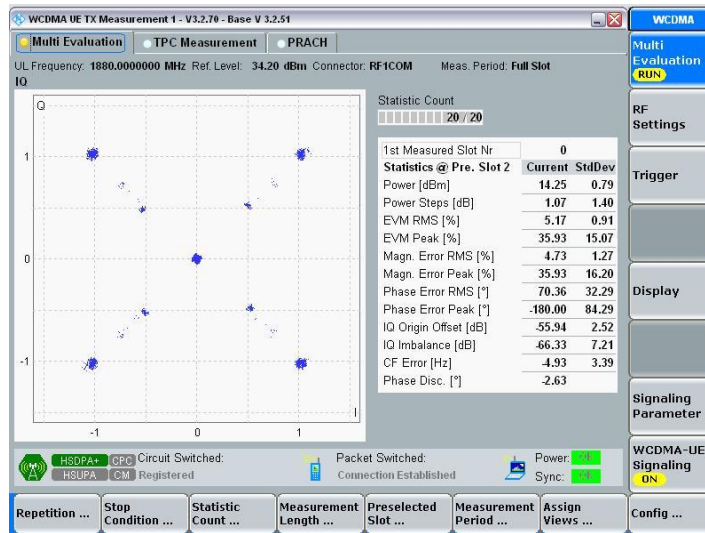
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3.2. Test BAND = WCDMA BAND II

3.2.1. Test Mode = UMTS/TM2

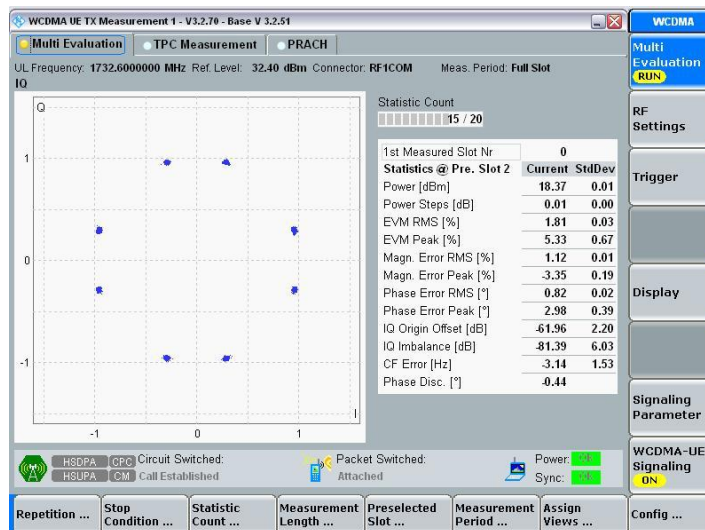
3.2.1.1. Test Channel = MCH



3.3. Test BAND = WCDMA BAND IV

3.3.1. Test Mode = UMTS/TM1

3.3.1.1. Test Channel = MCH

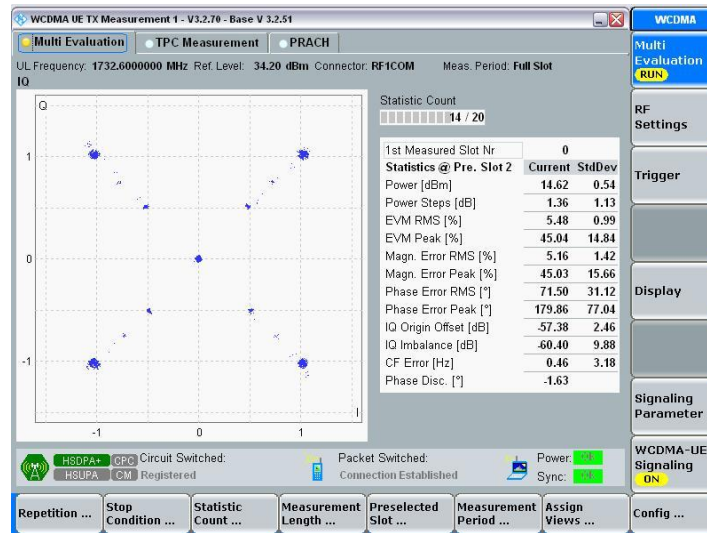


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3.4. Test BAND = WCDMA BAND IV

3.4.1. Test Mode = UMTS/TM2

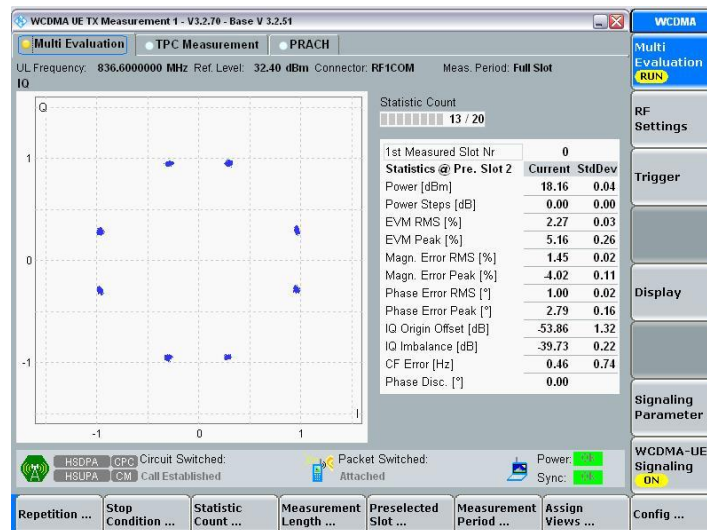
3.4.1.1. Test Channel = MCH



3.5. Test BAND = WCDMA BAND V

3.5.1. Test Mode = UMTS/TM1

3.5.1.1. Test Channel = MCH

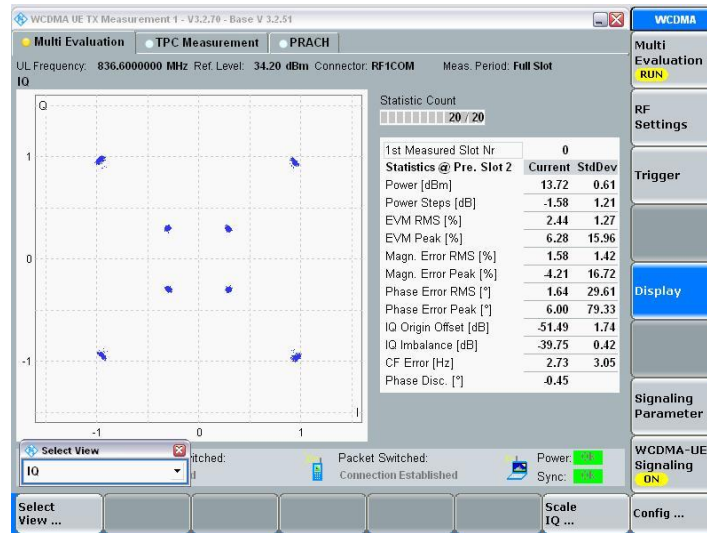


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3.6. Test BAND = WCDMA BAND V

3.6.1. Test Mode = UMTS/TM2

3.6.1.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

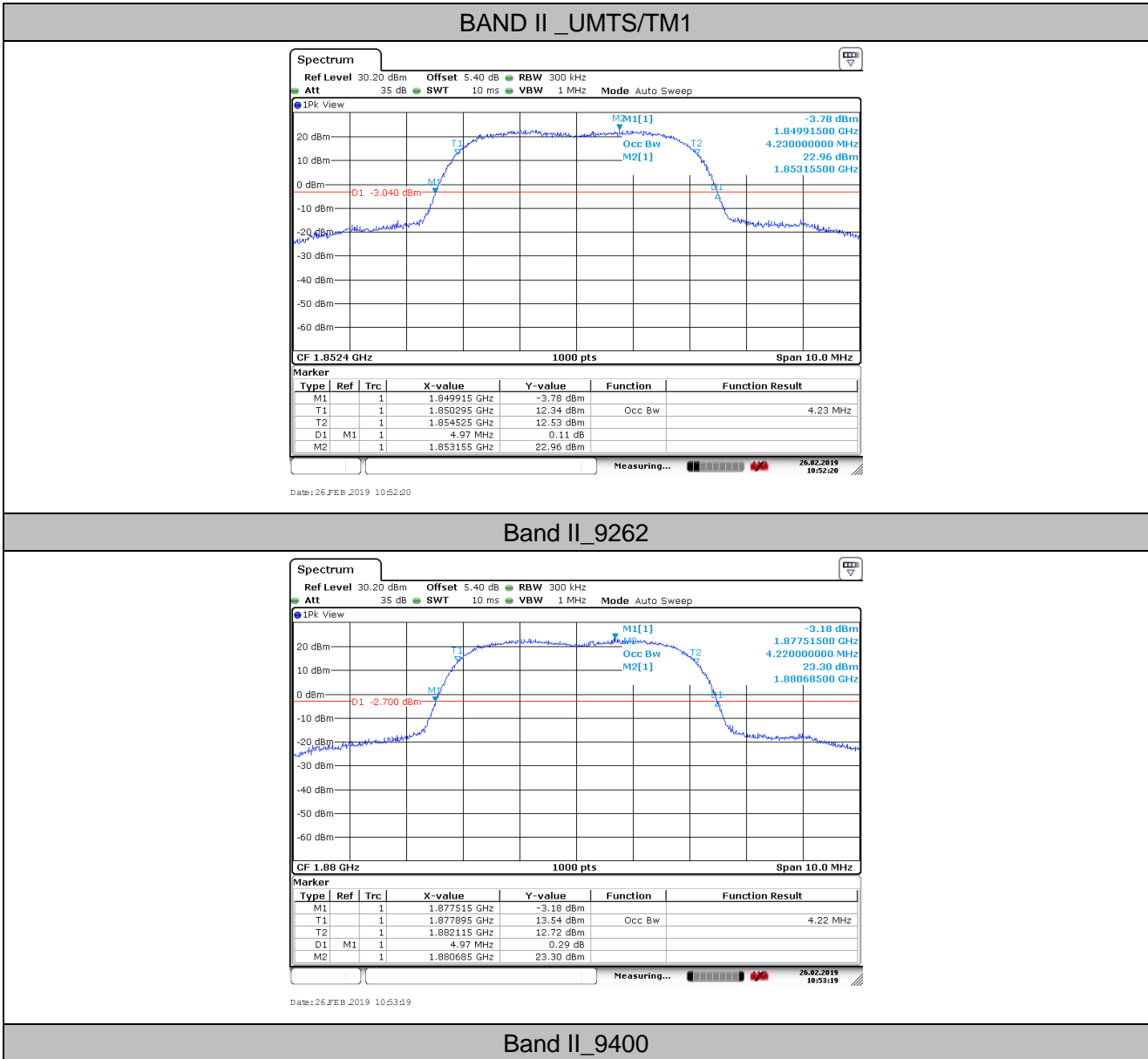
BAND	Test mode	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	UMTS/TM1	9262	4130.00	4700.00	---	PASS
		9400	4140.00	4690.00	---	PASS
		9538	4150.00	4690.00	---	PASS
	UMTS/TM2	9262	4125.87	4705.00	---	PASS
		9400	4145.85	4685.00	---	PASS
		9538	4145.85	4705.00	---	PASS
Band IV	UMTS/TM1	1312	4130.00	4700.00	---	PASS
		1413	4140.00	4690.00	---	PASS
		1513	4130.00	4680.00	---	PASS
	UMTS/TM2	1312	4125.87	4705.00	---	PASS
		1413	4125.87	4705.00	---	PASS
		1513	4155.84	4705.00	---	PASS
Band V	UMTS/TM1	4132	4210.00	4700.00	---	PASS
		4182	4220.00	4690.00	---	PASS
		4233	4240.00	4710.00	---	PASS
	UMTS/TM2	4132	4225.77	4735.00	---	PASS
		4182	4215.78	4735.00	---	PASS
		4233	4205.79	4715.00	---	PASS



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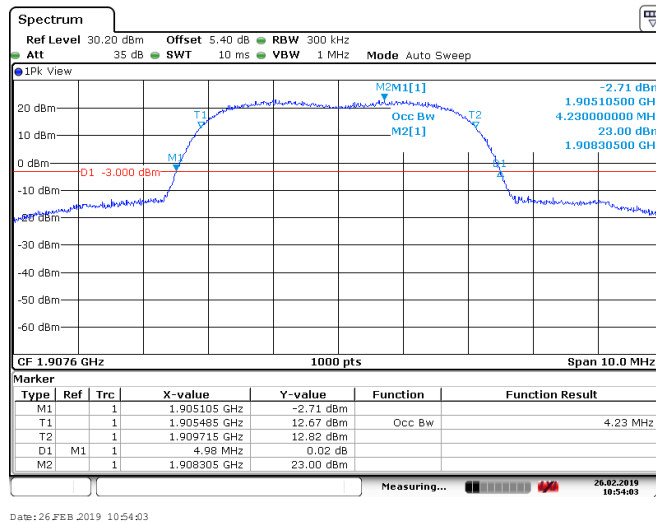
4.2. Test Plots



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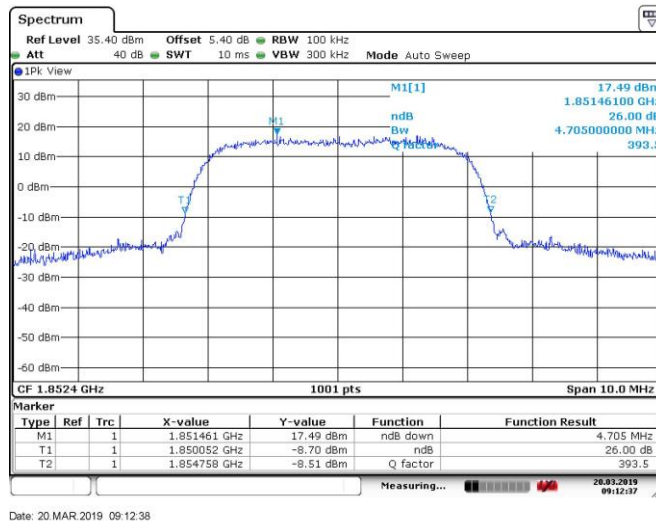
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Band II_9538

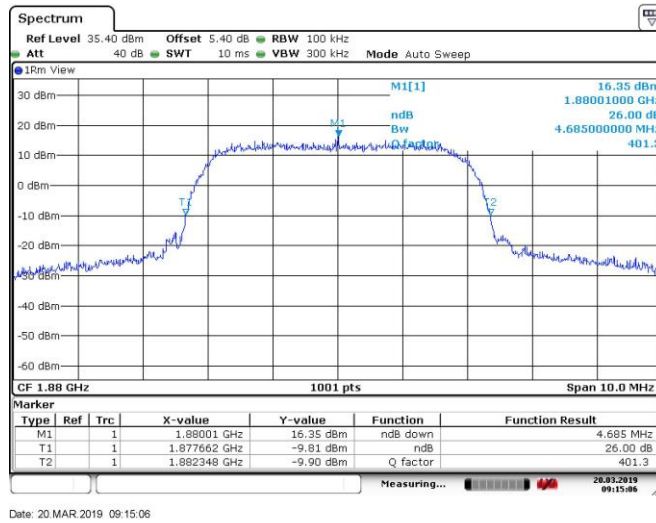
BAND II_UMTS/TM2



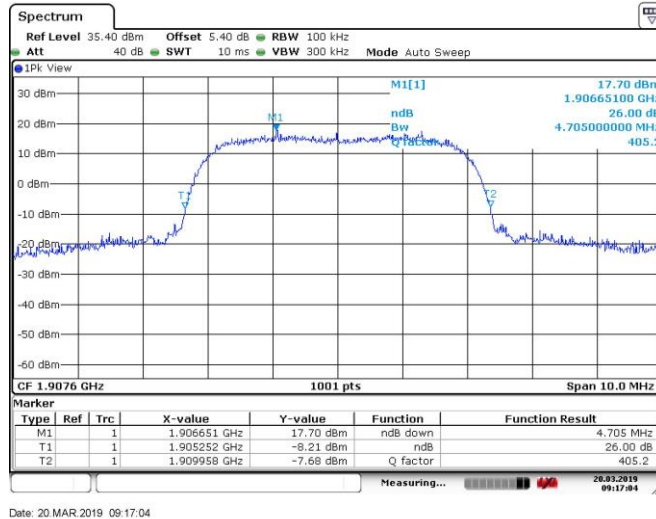
Band II_9262



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Band II_9400

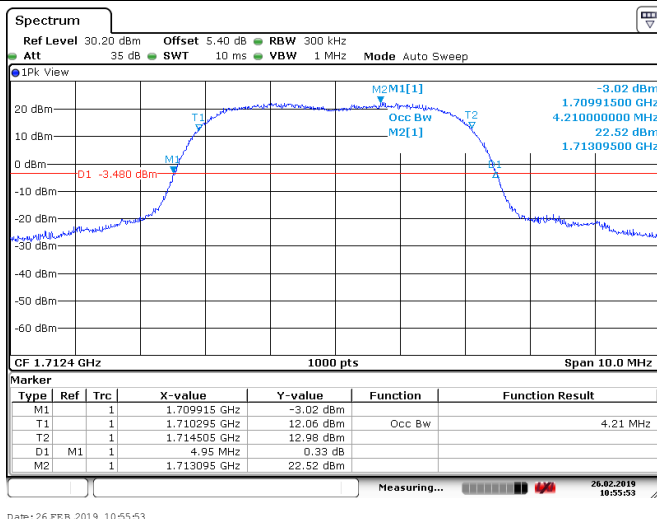


Band II_9538



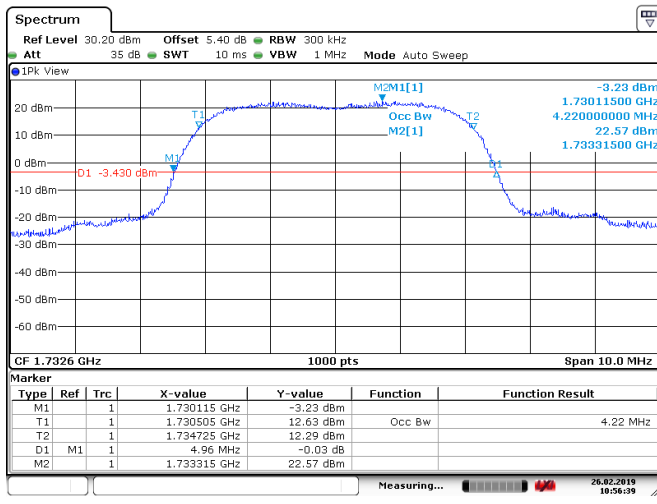
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BAND IV _UMTS/TM1



Date: 26 FEB 2019 10:55:53

Band IV_1312

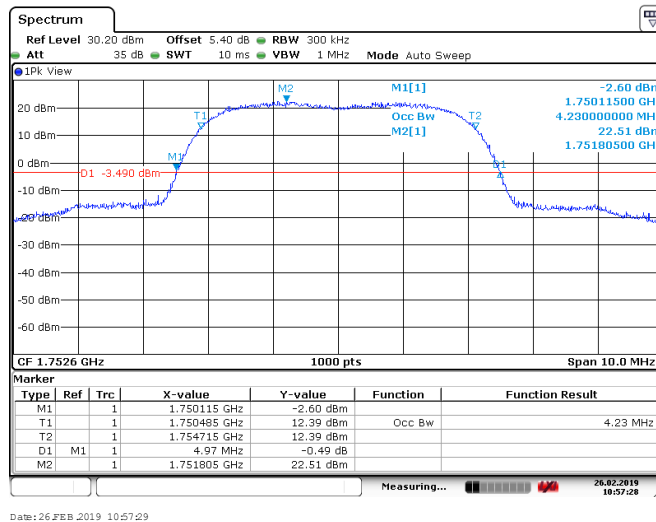


Date: 26 FEB 2019 10:56:40

Band IV_1413

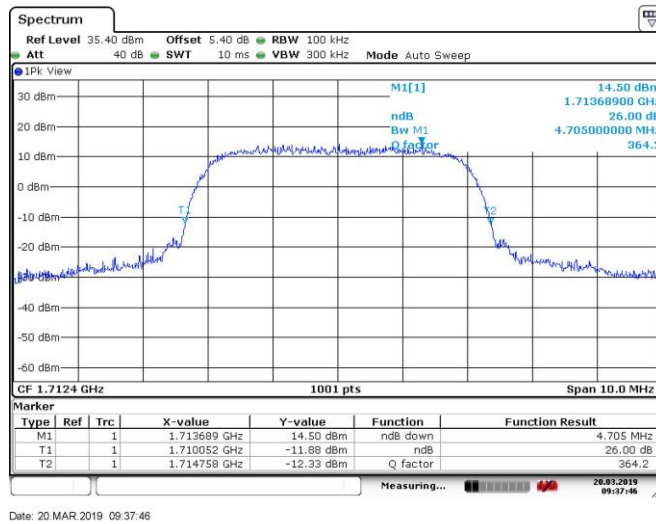


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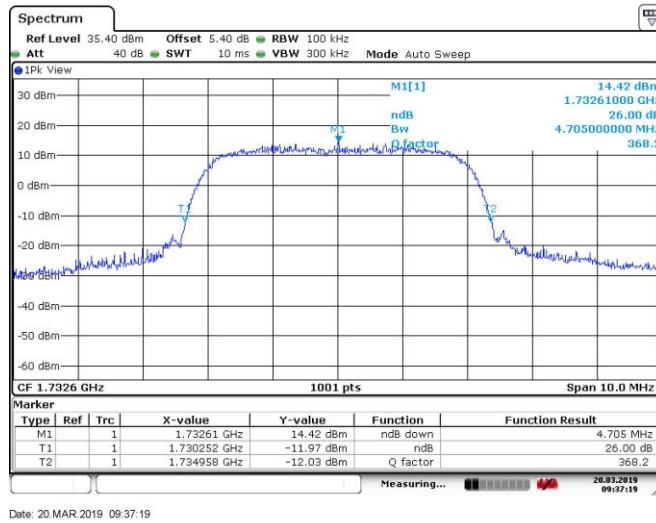
BAND IV_UMTS/TM2



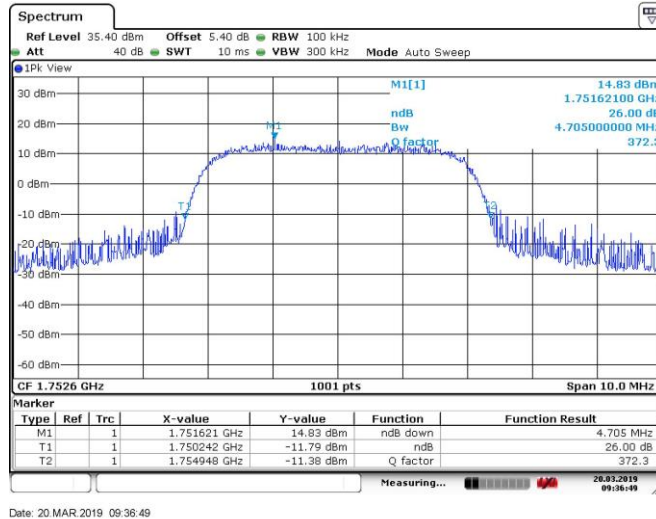
Band IV_1312



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Band IV_1413



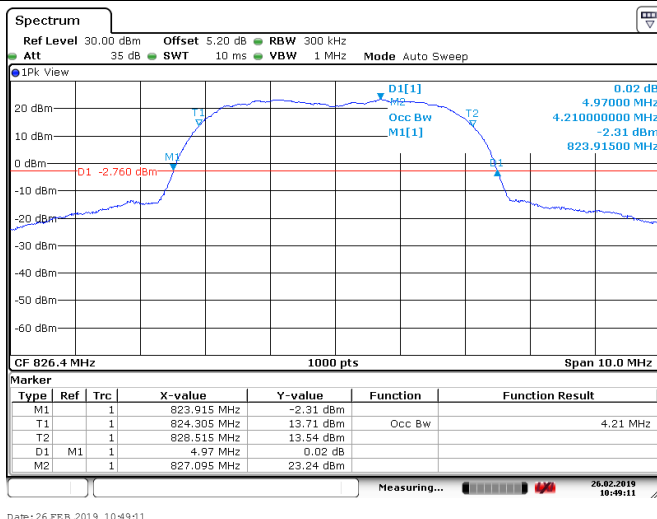
Band IV_1513



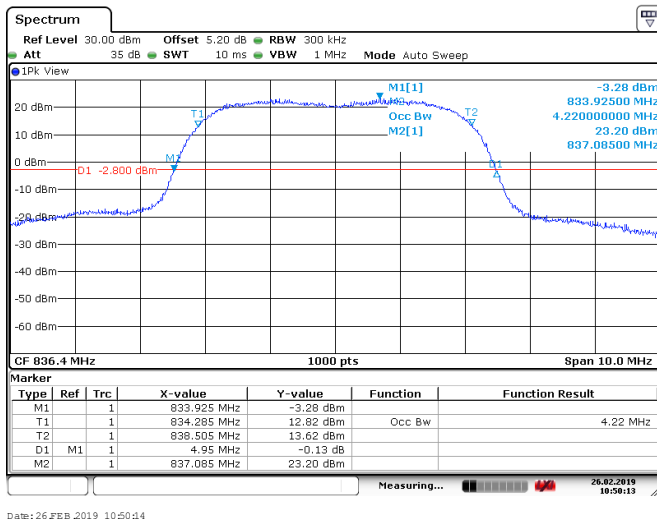
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BAND V _UMTS/TM1



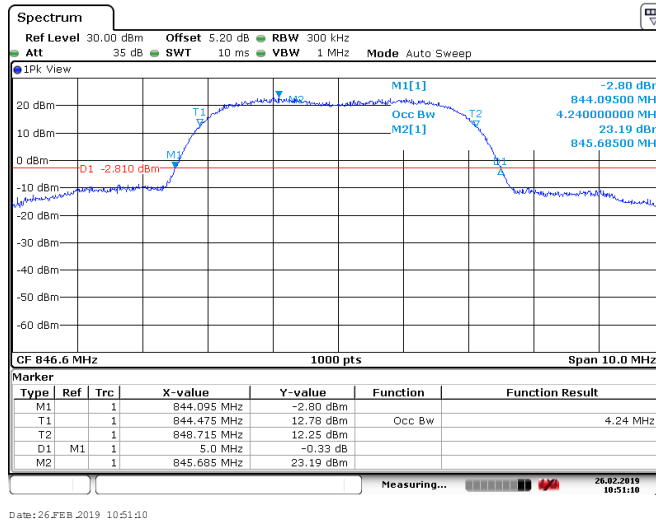
Band V_4132



Band V_4182

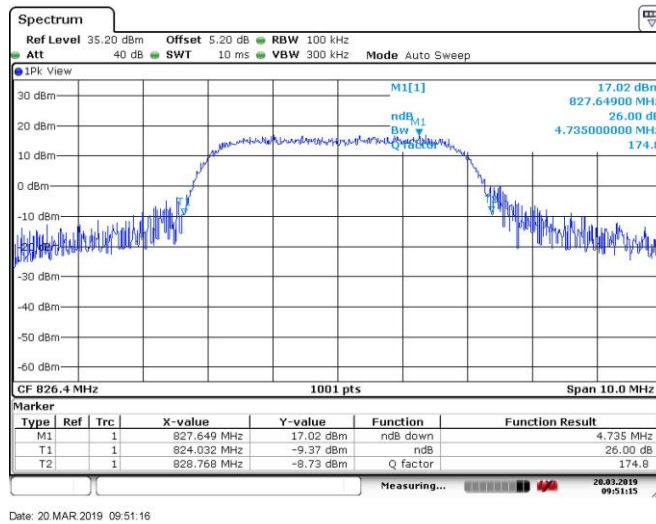


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Band V_4233

BAND V_UMTS/TM2

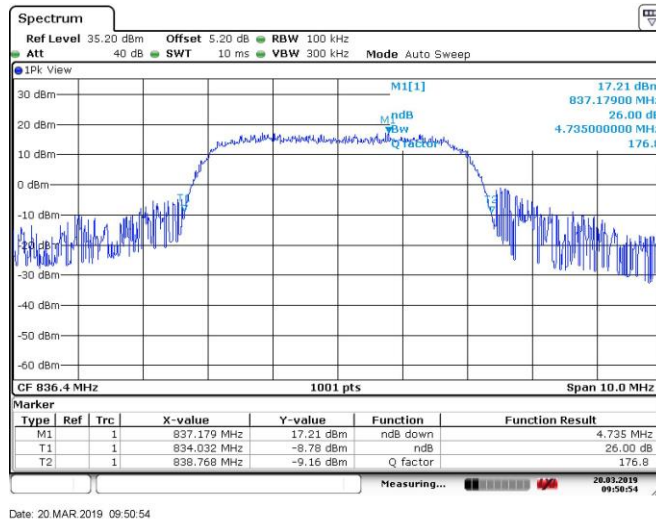


Band V_4132

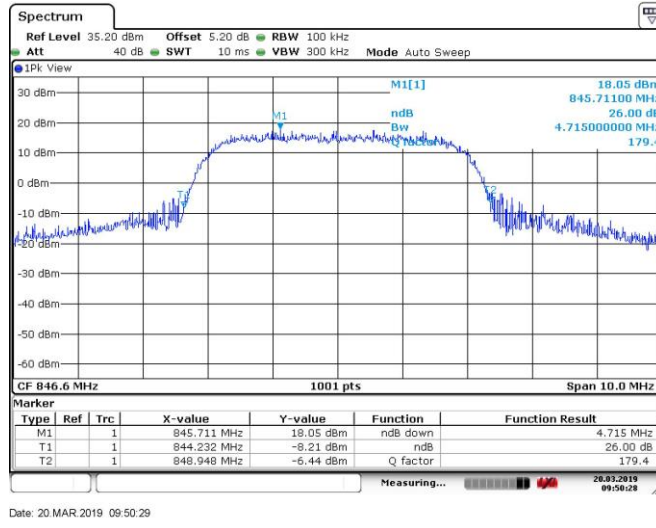


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Band V_4182



Band V_4233

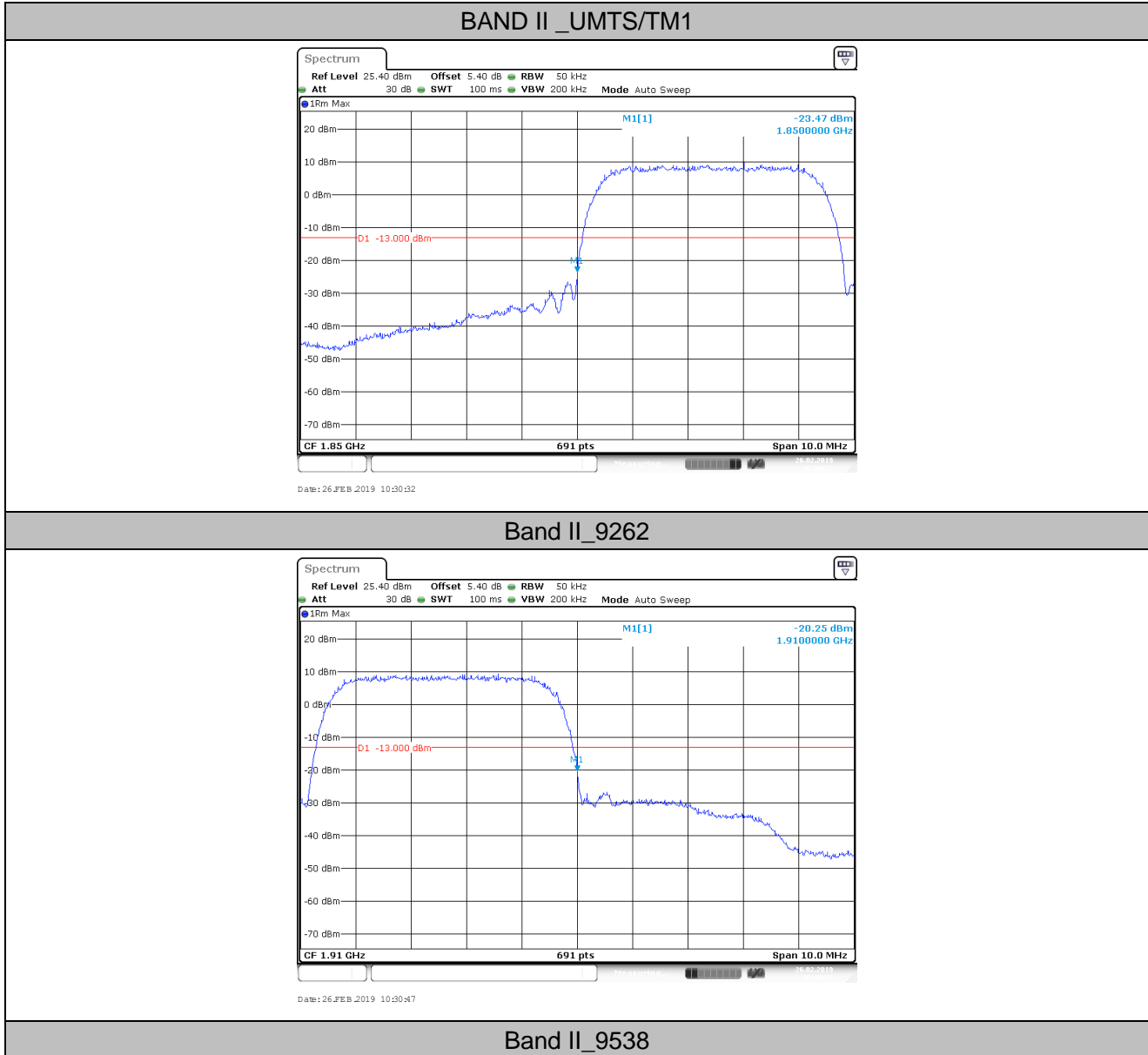


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5. Band Edge Compliance

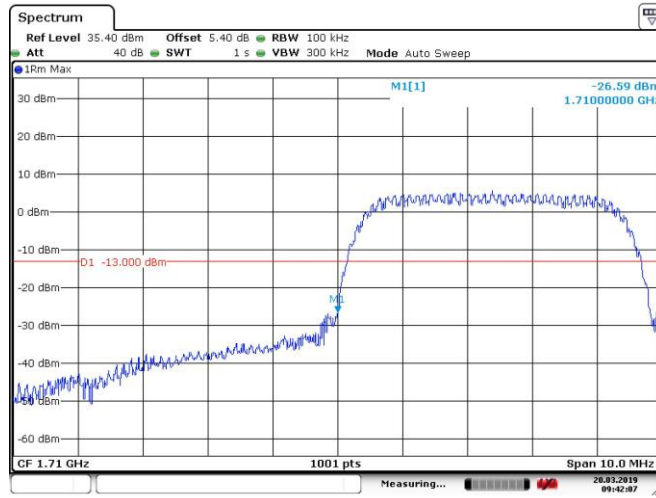
5.1. Test Plots



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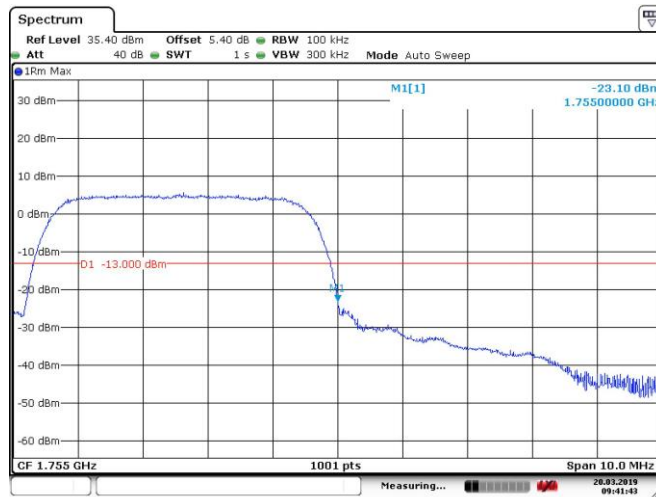
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BAND II _UMTS/TM2



Date: 20.MAR.2019 09:42:07

Band II_9262



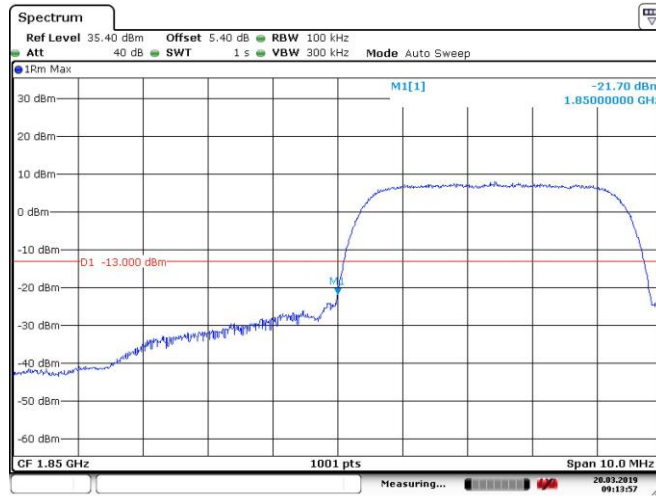
Date: 20.MAR.2019 09:41:43

Band II_9538



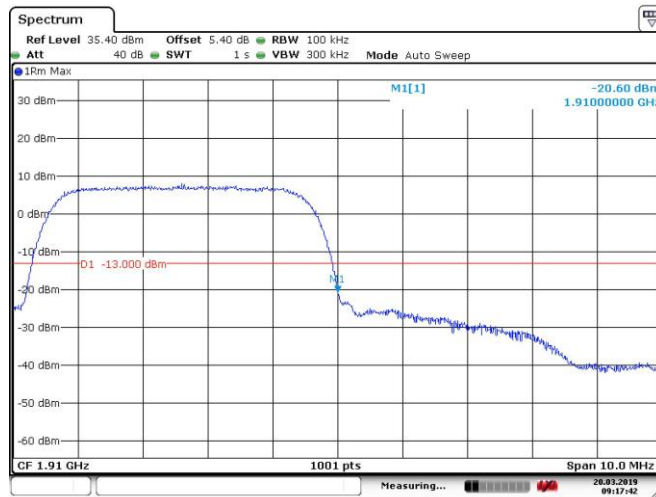
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BAND IV _UMTS/TM1



Date: 20.MAR.2019 09:13:57

Band IV_1312



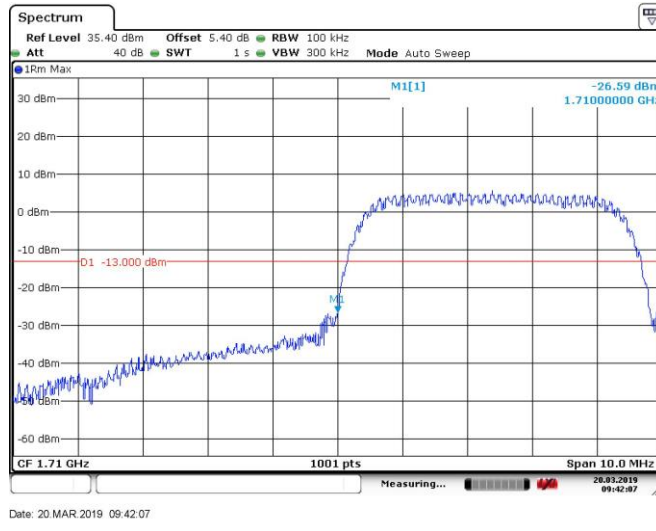
Date: 20.MAR.2019 09:17:43

Band IV_1513

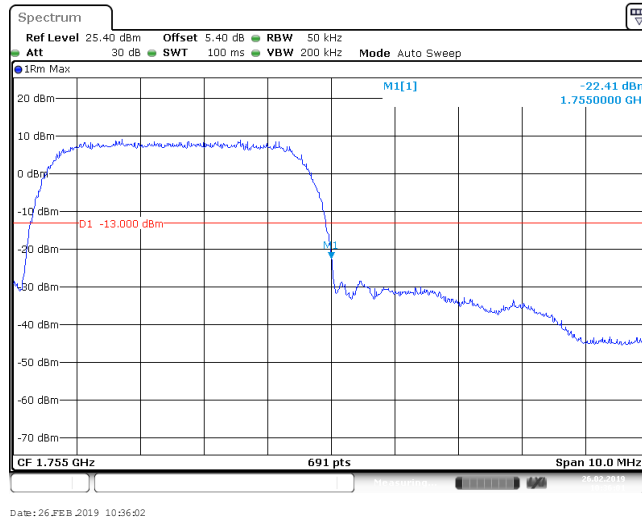


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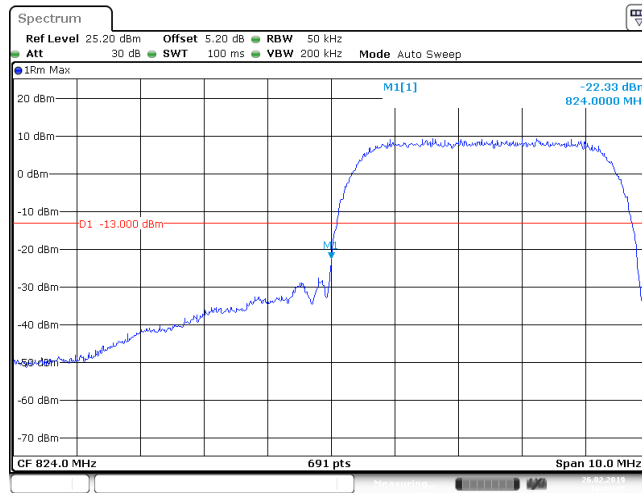
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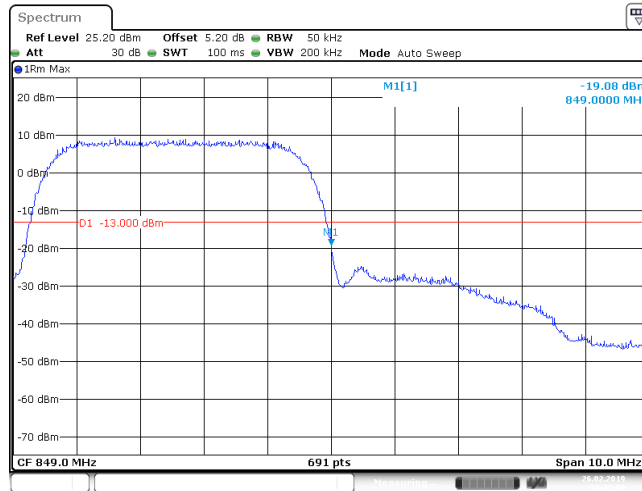
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BAND V _UMTS/TM1



Date: 26.FEB.2019 10:41:35

Band V_4132



Date: 26.FEB.2019 10:41:50

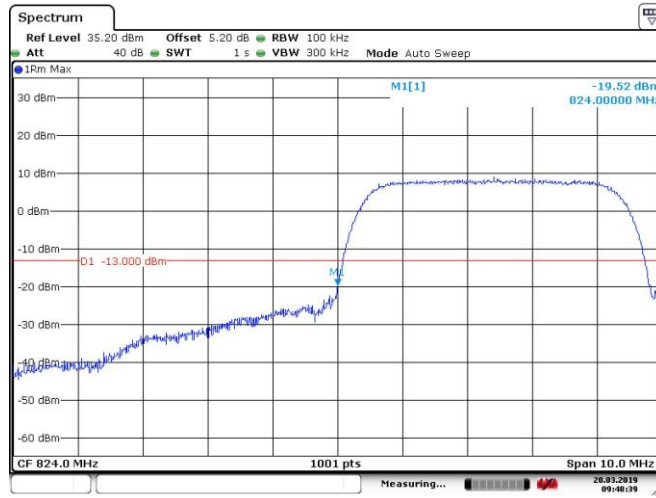
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BAND V _UMTS/TM2



Band V_4132



Band V_4233



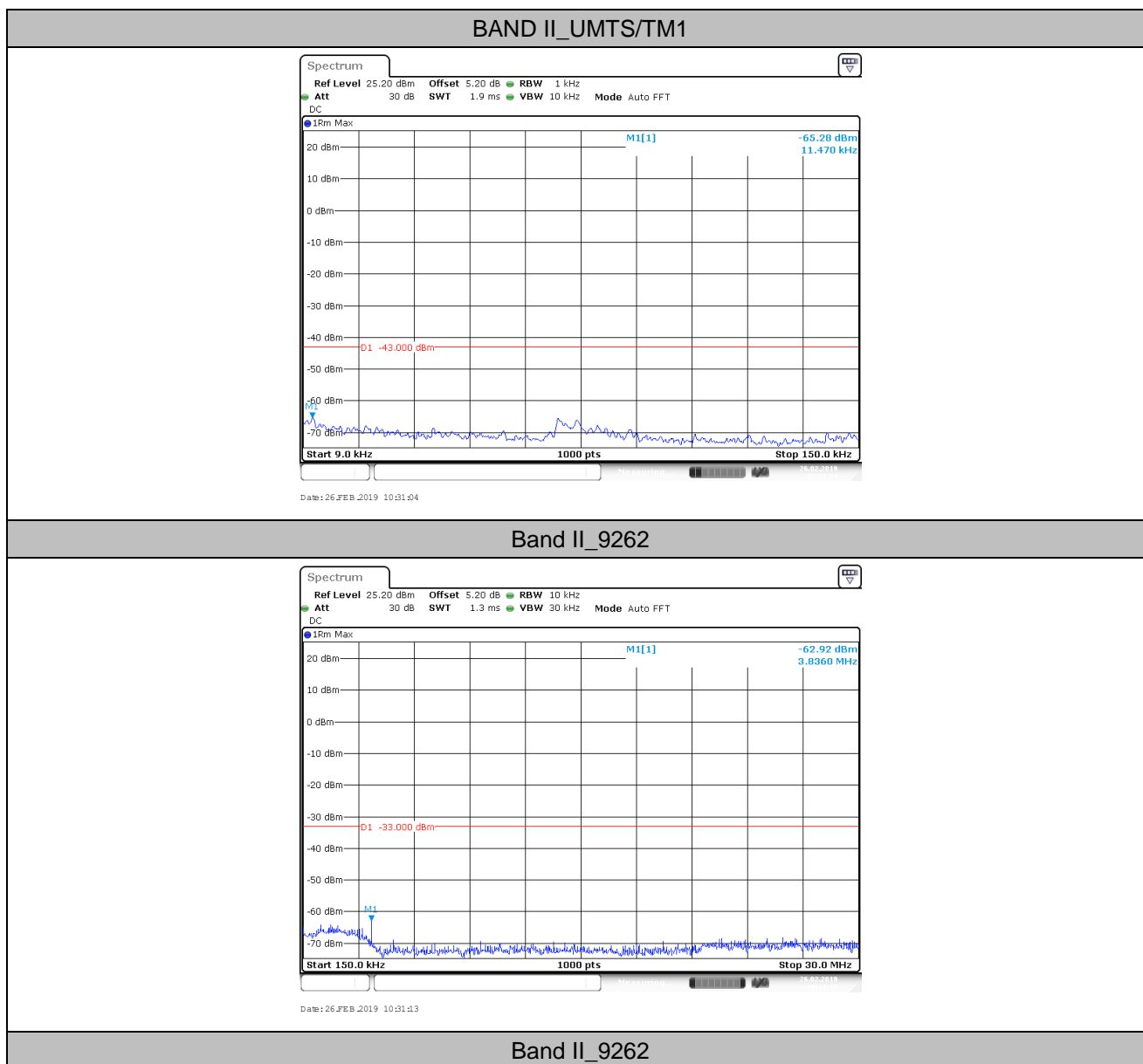
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6. Spurious Emission at Antenna Terminal

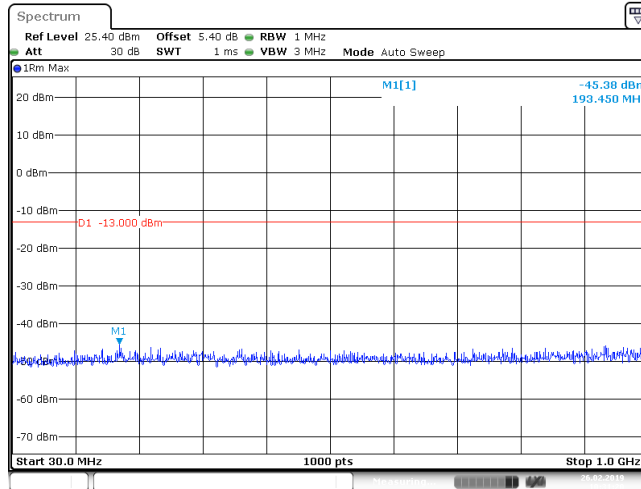
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots

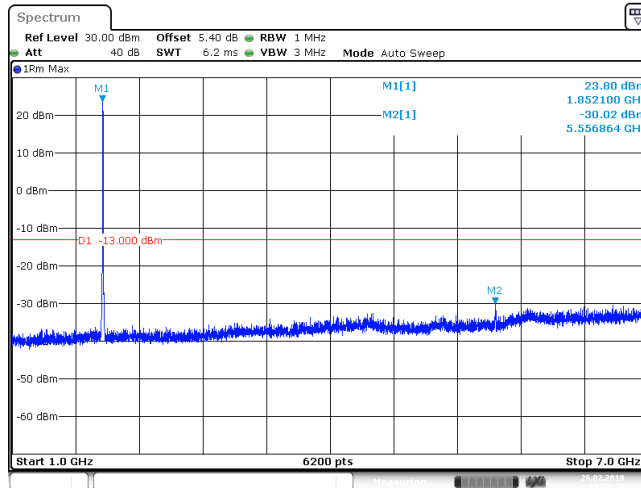


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Date: 26.FEB.2019 10:31:21

Band II_9262



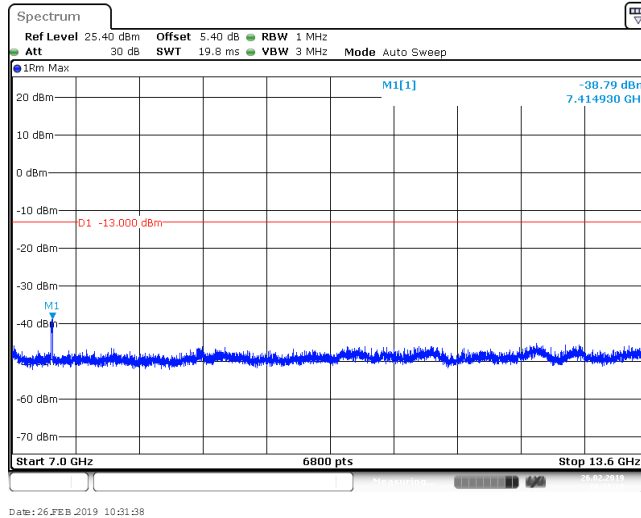
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Band II_9262

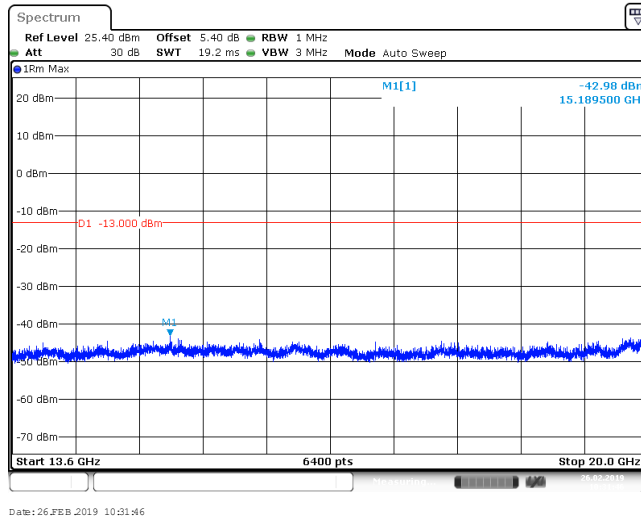


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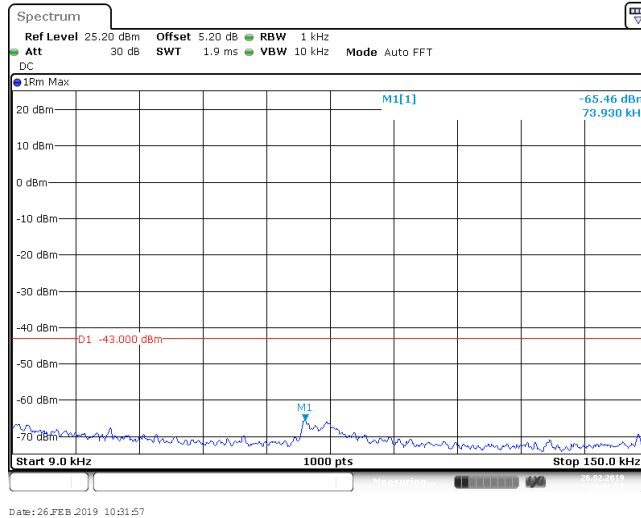
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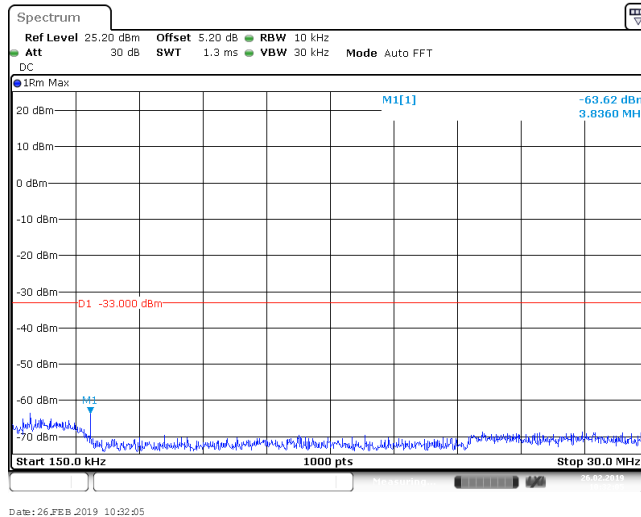
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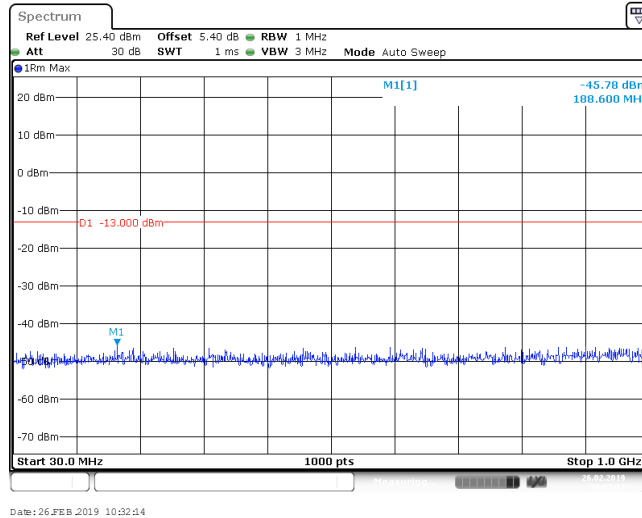
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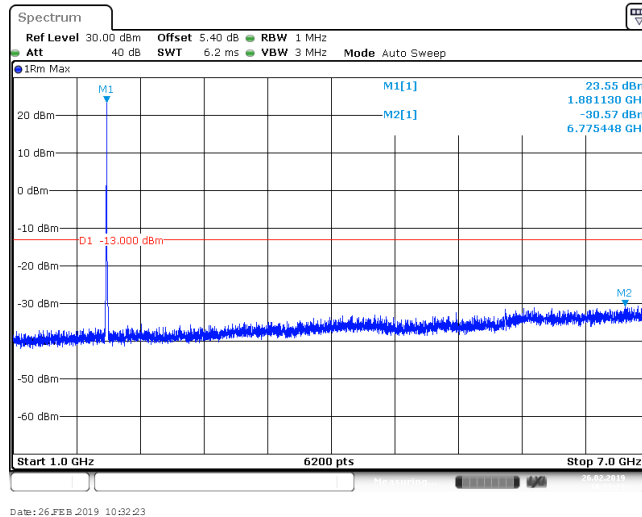
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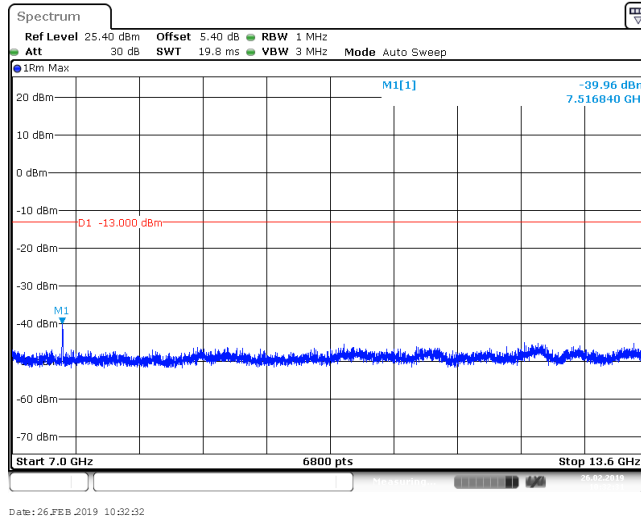
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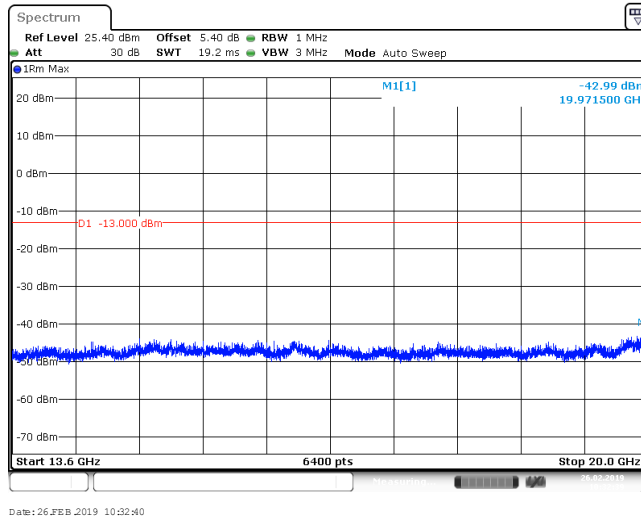
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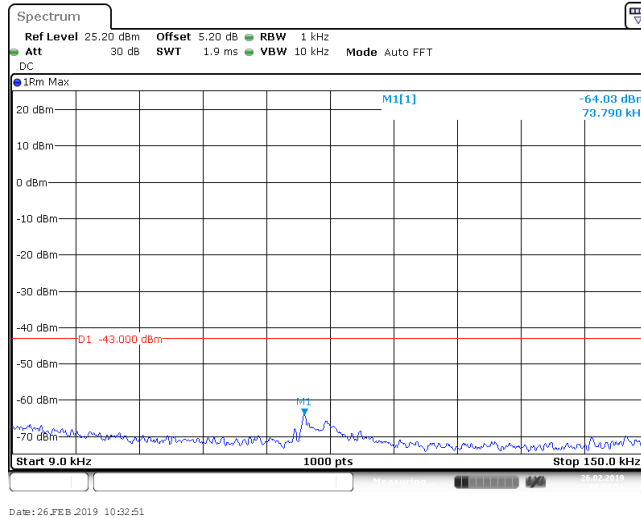
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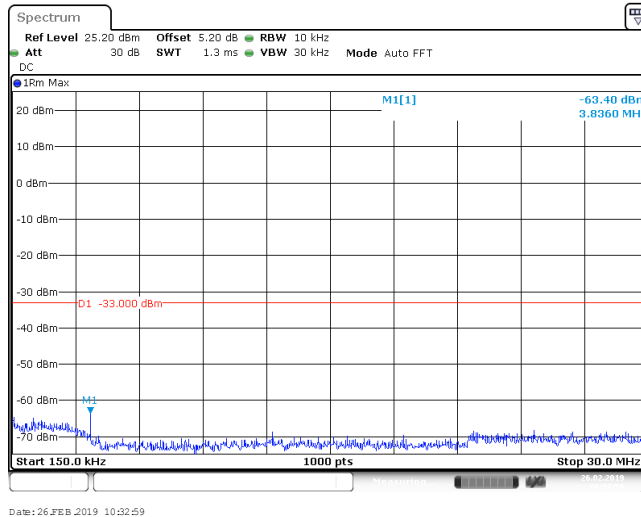
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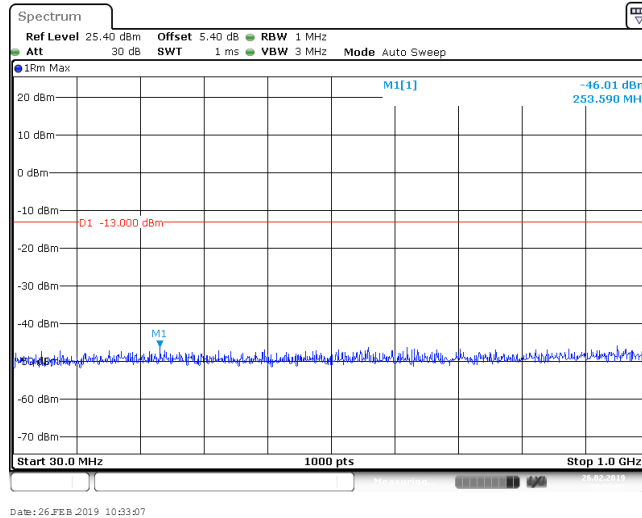
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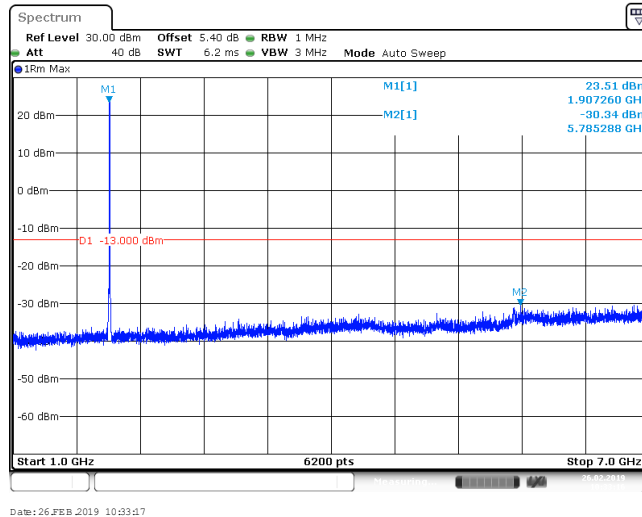
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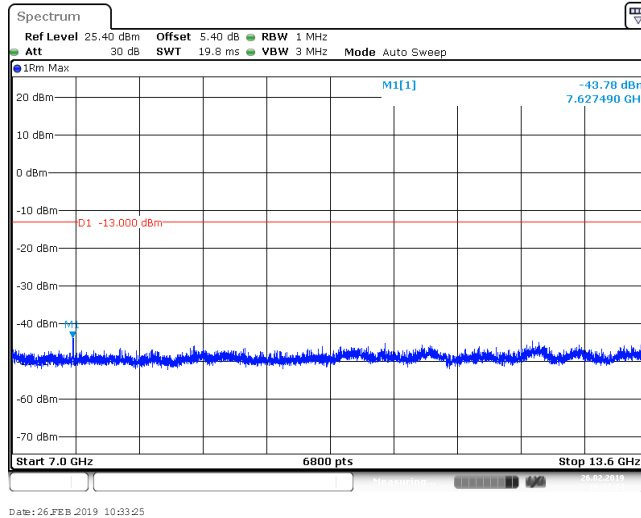
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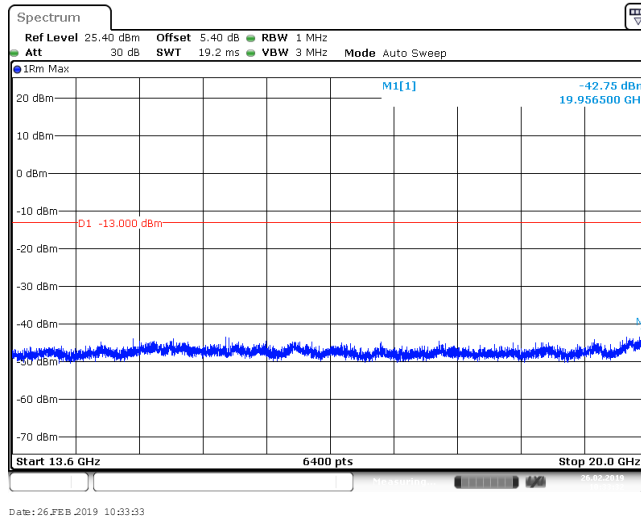


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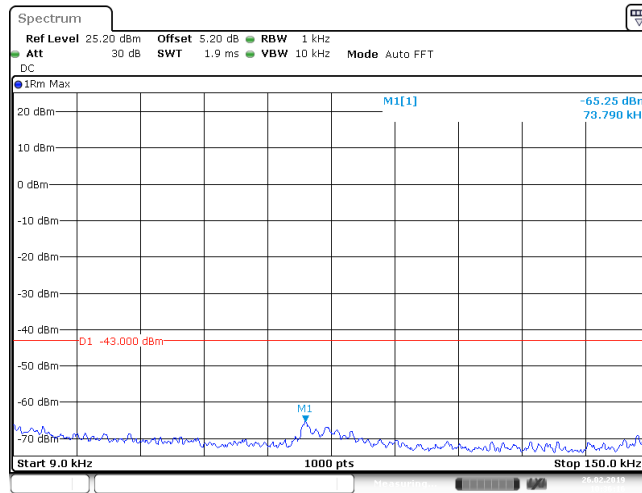
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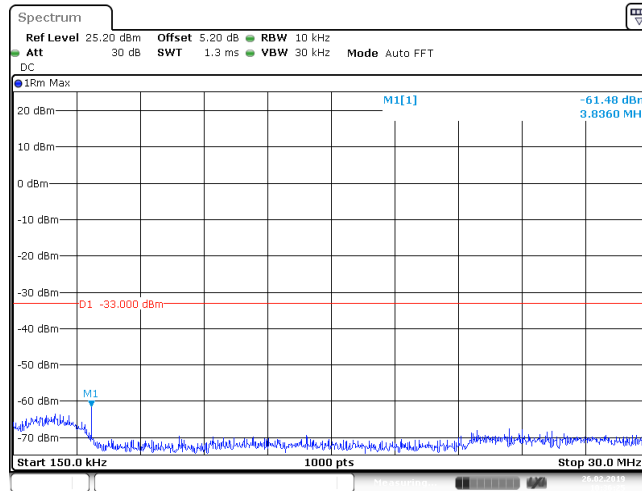
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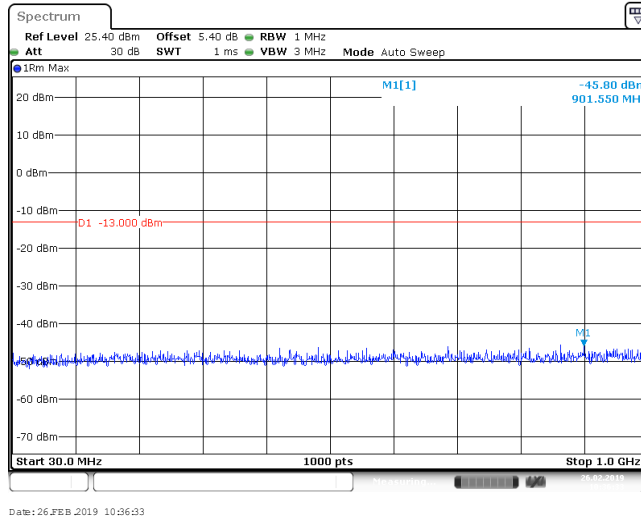


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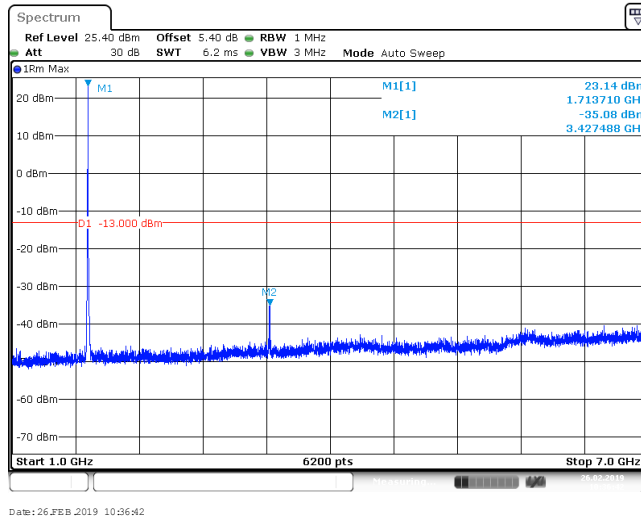


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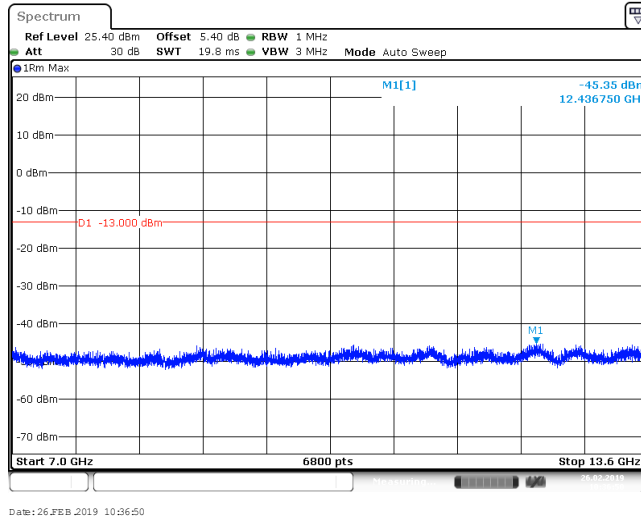
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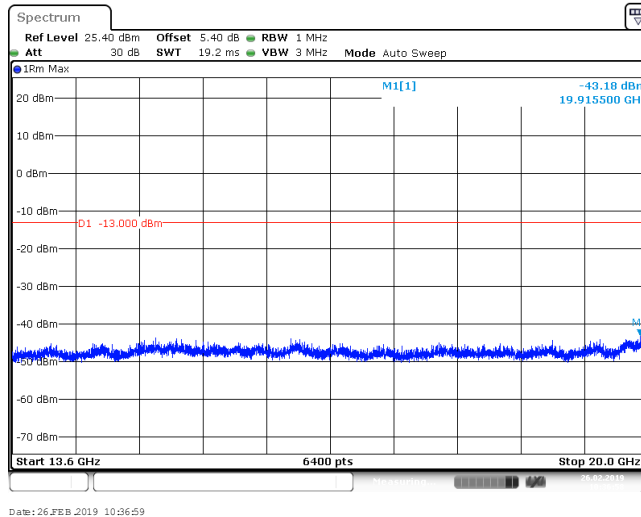


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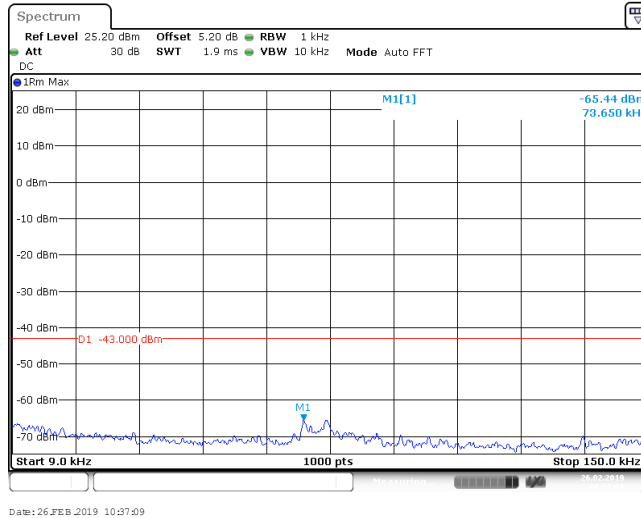
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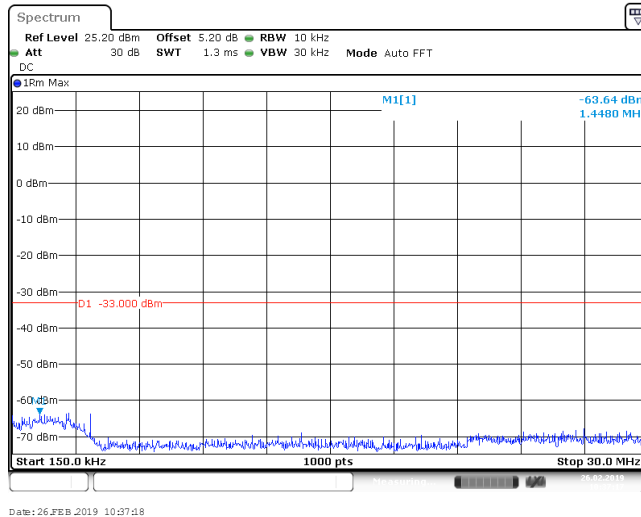
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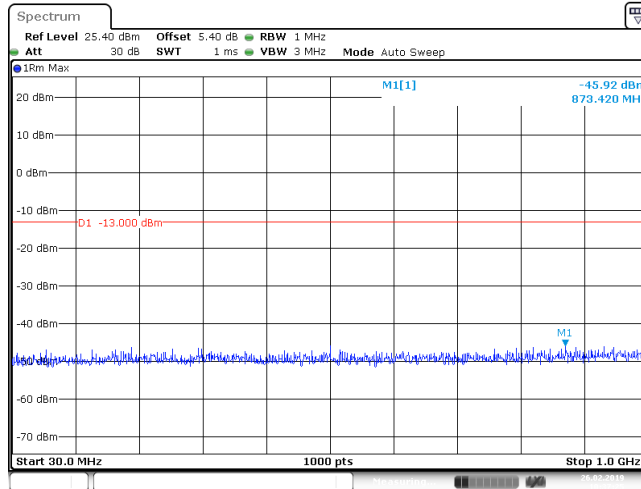


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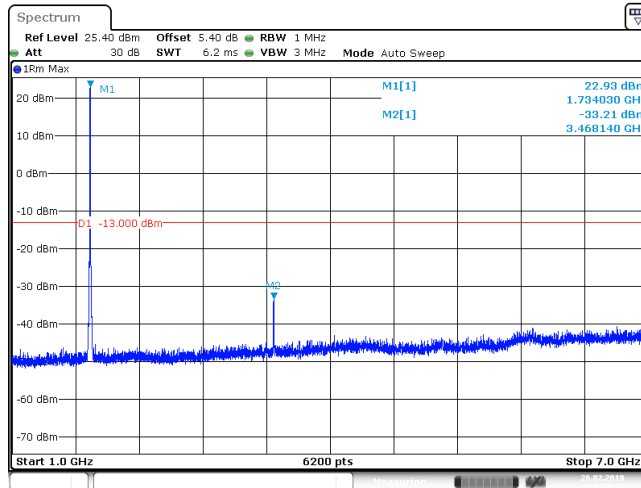
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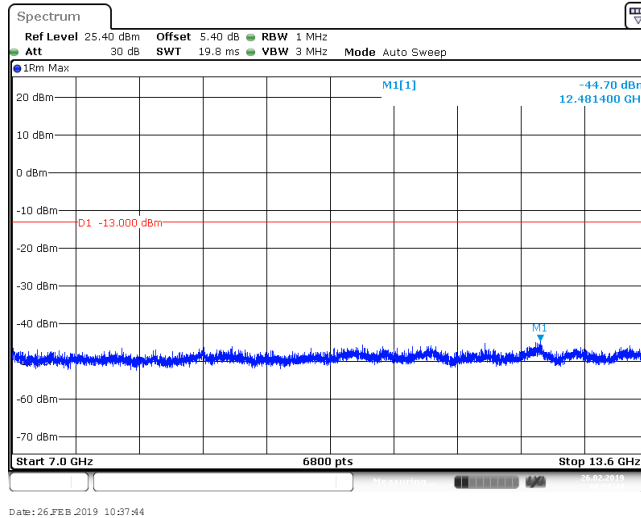


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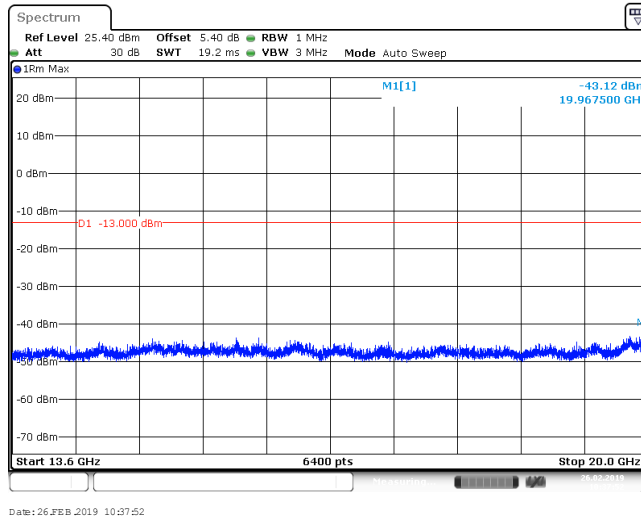
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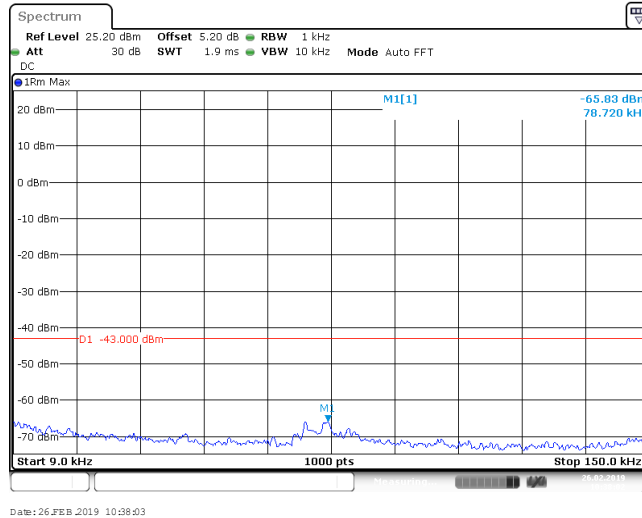
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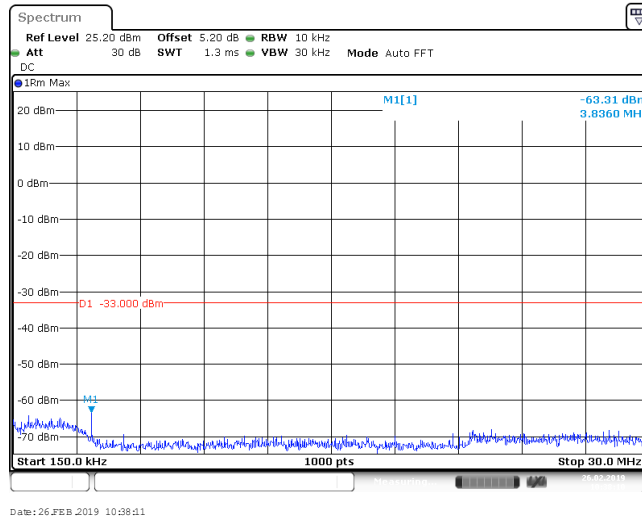
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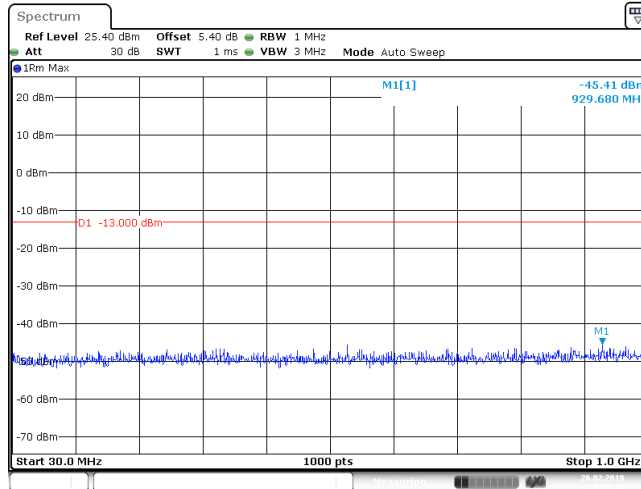
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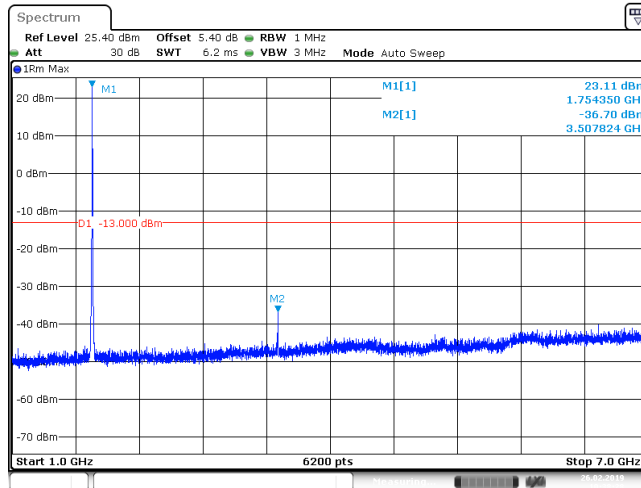
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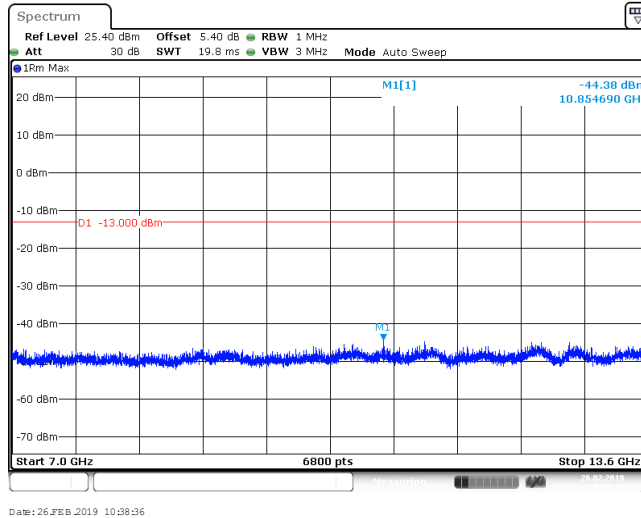


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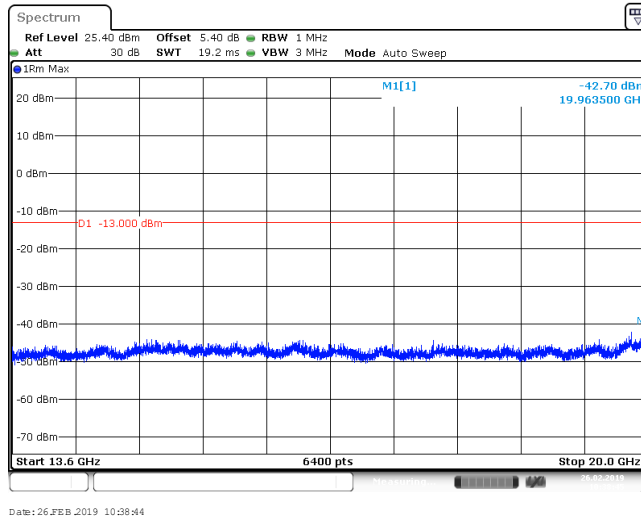


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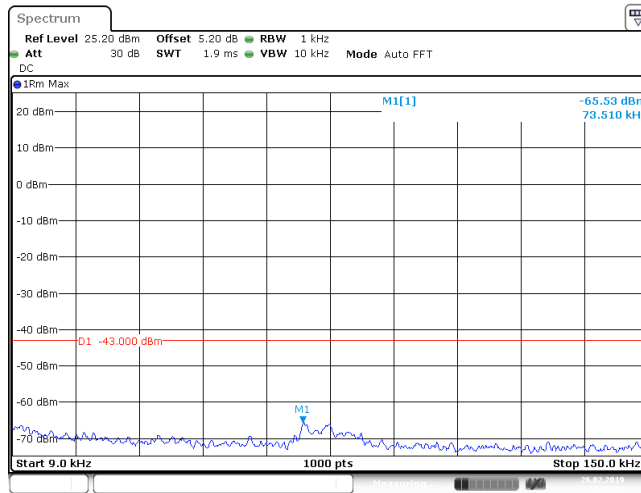


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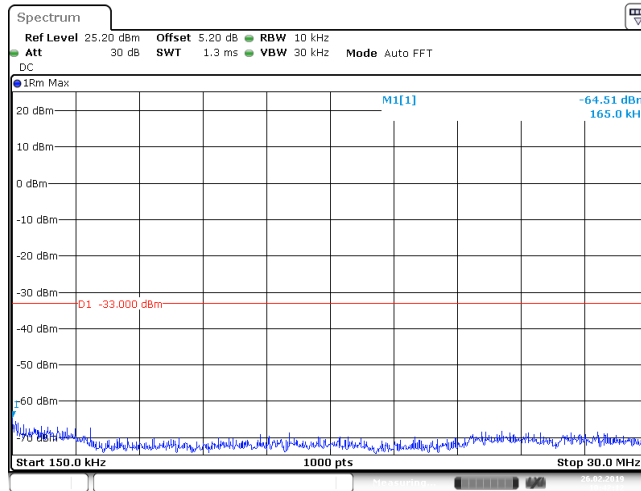


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BAND V_UMTS/TM1



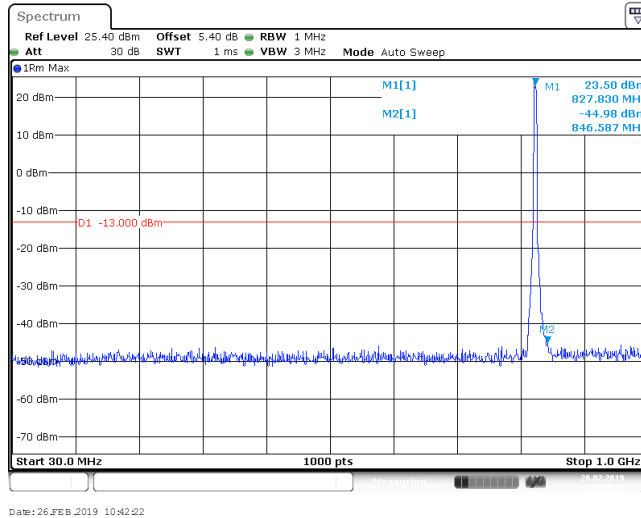
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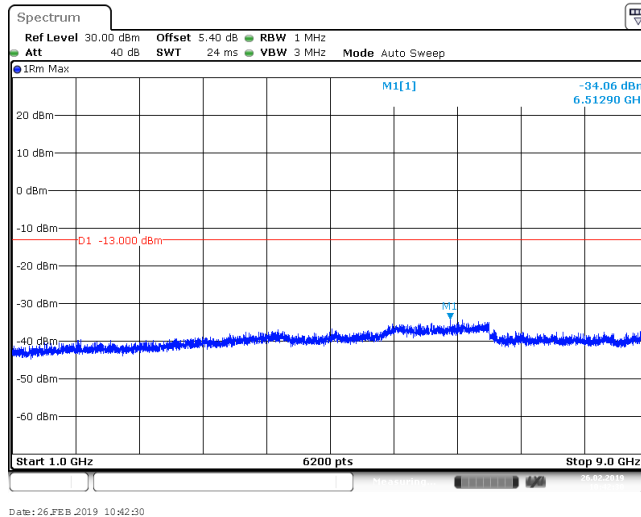
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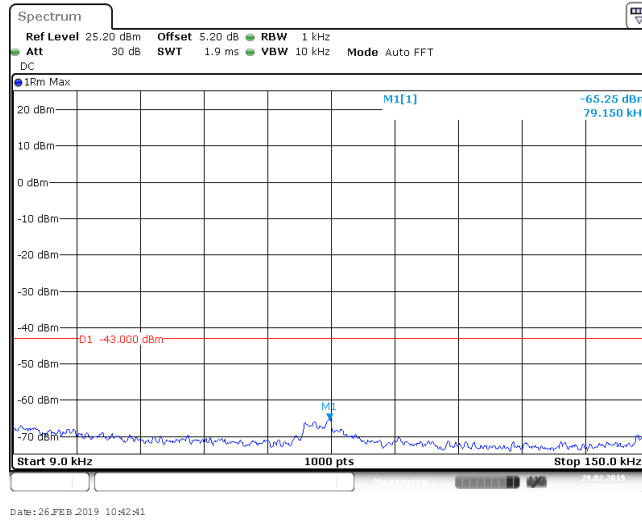


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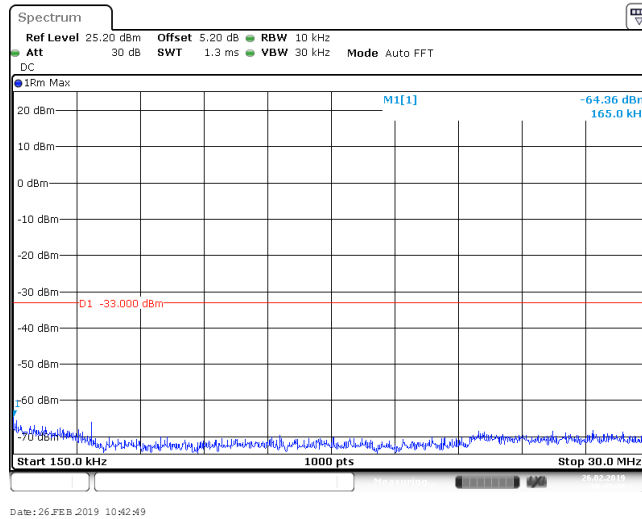


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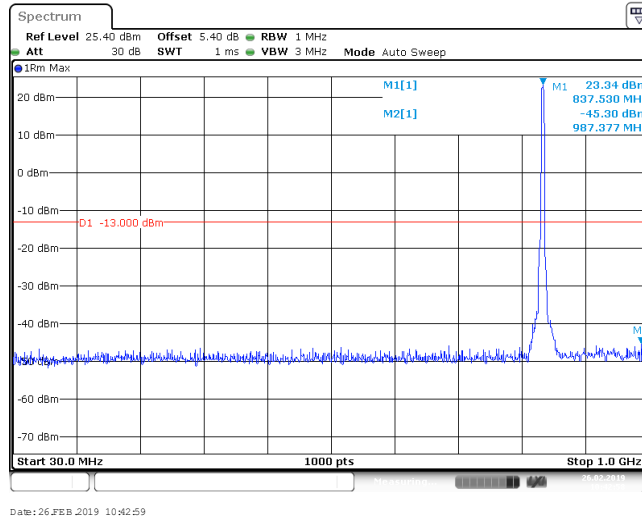
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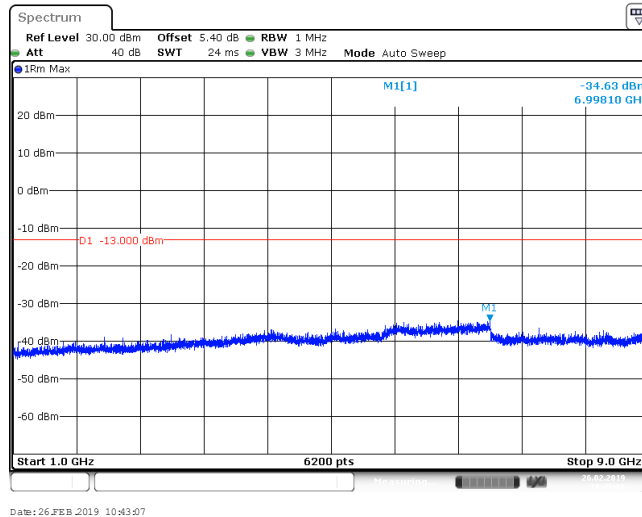
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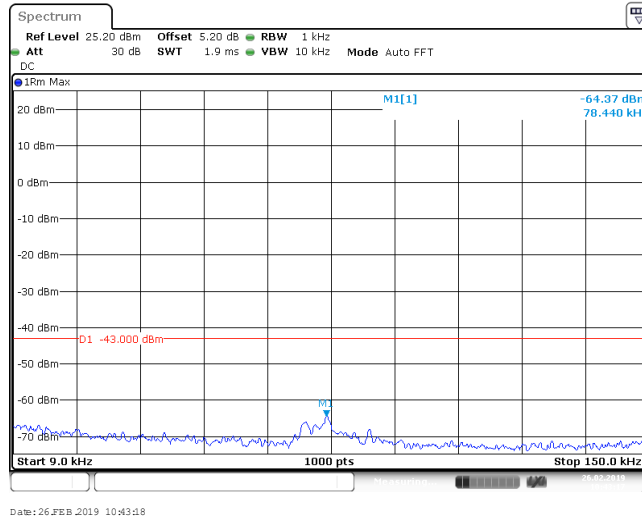


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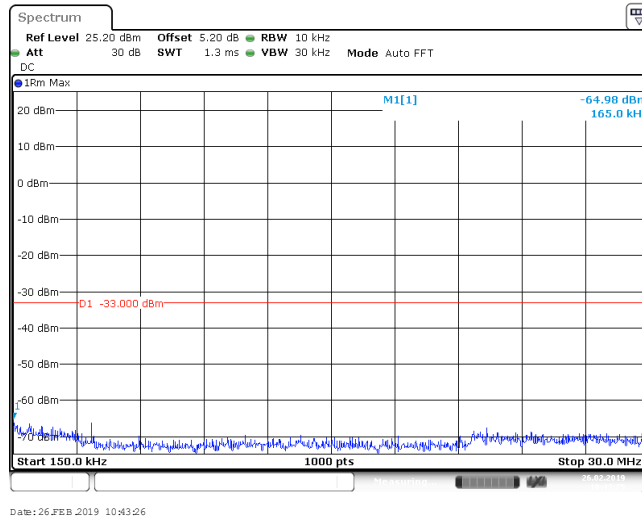


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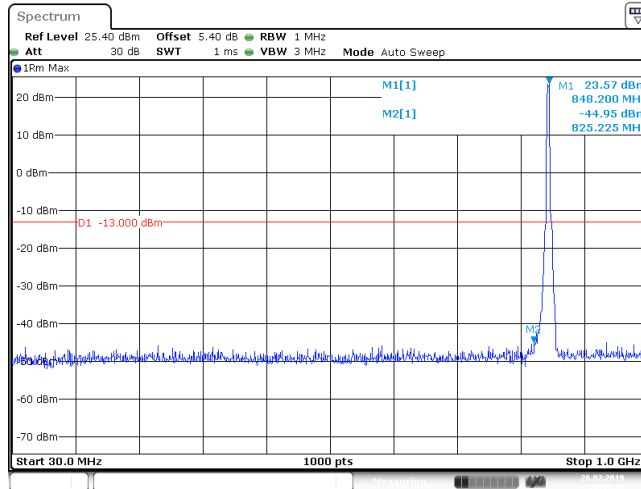


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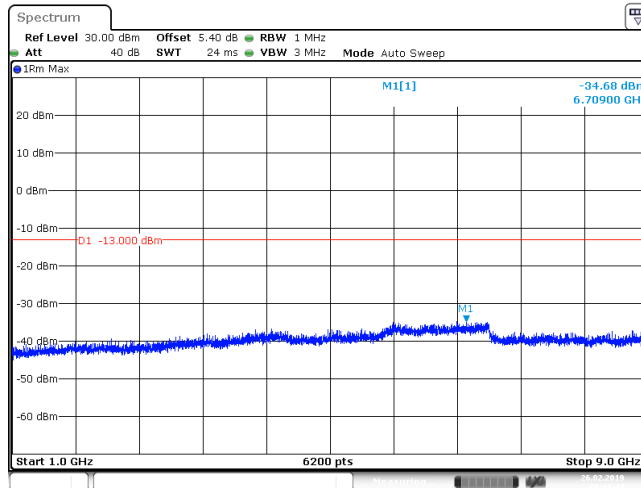
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7. Field Strength of Spurious Radiation

7.1. Test BAND = WCDMA BAND II

7.1.1. Test Mode = WCDMA/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-70.24	-13.00	57.24	Vertical
112.1146	-65.49	-13.00	52.49	Vertical
1340.0680	-48.04	-13.00	35.04	Vertical
2704.3409	-36.73	-13.00	23.73	Vertical
5559.0853	-44.93	-13.00	31.93	Vertical
17987.4996	-33.25	-13.00	20.25	Vertical
43.5322	-64.05	-13.00	51.05	Horizontal
249.9100	-68.34	-13.00	55.34	Horizontal
1171.2342	-48.25	-13.00	35.25	Horizontal
2703.9408	-35.61	-13.00	22.61	Horizontal
5560.0853	-41.71	-13.00	28.71	Horizontal
17993.9998	-37.67	-13.00	24.67	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.71	-13.00	56.71	Vertical
114.9277	-64.74	-13.00	51.74	Vertical
1057.6115	-50.19	-13.00	37.19	Vertical
2701.1402	-36.75	-13.00	23.75	Vertical
5637.0879	-49.32	-13.00	36.32	Vertical
17999.0000	-32.88	-13.00	19.88	Vertical
42.2226	-64.14	-13.00	51.14	Horizontal
248.2609	-68.24	-13.00	55.24	Horizontal



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1244.4489	-48.17	-13.00	35.17	Horizontal
2700.7401	-35.77	-13.00	22.77	Horizontal
5643.0881	-47.14	-13.00	34.14	Horizontal
17999.5000	-37.80	-13.00	24.80	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-69.68	-13.00	56.68	Vertical
110.2715	-64.70	-13.00	51.70	Vertical
1282.0564	-48.02	-13.00	35.02	Vertical
2703.9408	-36.70	-13.00	23.70	Vertical
5726.0909	-50.54	-13.00	37.54	Vertical
17994.4998	-33.07	-13.00	20.07	Vertical
45.1328	-63.92	-13.00	50.92	Horizontal
236.2323	-68.41	-13.00	55.41	Horizontal
1222.0444	-48.42	-13.00	35.42	Horizontal
2697.9396	-35.51	-13.00	22.51	Horizontal
5725.5909	-49.24	-13.00	36.24	Horizontal
17999.0000	-37.77	-13.00	24.77	Horizontal

7.2. Test BAND = WCDMA BAND IV

7.2.1. Test Mode = WCDMA/TM1

7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.5950	-71.47	-13.00	58.47	Vertical
112.1146	-65.05	-13.00	52.05	Vertical
1344.8690	-47.89	-13.00	34.89	Vertical
2691.5383	-36.91	-13.00	23.91	Vertical
3426.5142	-47.73	-13.00	34.73	Vertical
17994.9998	-33.08	-13.00	20.08	Vertical



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42.8046	-64.60	-13.00	51.60	Horizontal
241.4706	-68.82	-13.00	55.82	Horizontal
1188.8378	-48.46	-13.00	35.46	Horizontal
2701.1402	-35.63	-13.00	22.63	Horizontal
3426.5142	-46.34	-13.00	33.34	Horizontal
17999.0000	-37.82	-13.00	24.82	Horizontal

7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.3567	-68.60	-13.00	55.60	Vertical
116.6738	-64.75	-13.00	51.75	Vertical
1150.8302	-48.69	-13.00	35.69	Vertical
2700.7401	-36.84	-13.00	23.84	Vertical
3463.0154	-46.88	-13.00	33.88	Vertical
17984.9995	-33.04	-13.00	20.04	Vertical
43.1442	-63.46	-13.00	50.46	Horizontal
249.4735	-68.50	-13.00	55.50	Horizontal
1187.6375	-48.64	-13.00	35.64	Horizontal
2698.7397	-35.46	-13.00	22.46	Horizontal
3466.5156	-45.14	-13.00	32.14	Horizontal
17991.9997	-37.75	-13.00	24.75	Horizontal

7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-70.59	-13.00	57.59	Vertical
108.5254	-64.87	-13.00	51.87	Vertical
1416.0832	-47.63	-13.00	34.63	Vertical
2695.5391	-36.90	-13.00	23.90	Vertical
3504.0168	-51.96	-13.00	38.96	Vertical
17999.0000	-32.65	-13.00	19.65	Vertical
43.5322	-64.19	-13.00	51.19	Horizontal



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240.6945	-67.50	-13.00	54.50	Horizontal
1196.0392	-48.52	-13.00	35.52	Horizontal
2692.3385	-35.38	-13.00	22.38	Horizontal
3503.0168	-50.78	-13.00	37.78	Horizontal
17998.5000	-37.39	-13.00	24.39	Horizontal

7.3. Test BAND = WCDMA BAND V

7.3.1. Test Mode = WCDMA/TM1

7.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.8245	-72.42	-13.00	59.42	Vertical
109.1075	-65.06	-13.00	52.06	Vertical
607.3244	-64.34	-13.00	51.34	Vertical
1650.9302	-50.38	-13.00	37.38	Vertical
9901.2300	-47.56	-13.00	34.56	Vertical
17994.9998	-31.60	-13.00	18.60	Vertical
43.6292	-64.45	-13.00	51.45	Horizontal
242.5861	-67.30	-13.00	54.30	Horizontal
593.9377	-64.82	-13.00	51.82	Horizontal
1654.1308	-53.27	-13.00	40.27	Horizontal
3000.0000	-56.07	-13.00	43.07	Horizontal
17999.0000	-36.77	-13.00	23.77	Horizontal

7.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-72.20	-13.00	59.20	Vertical
114.2002	-64.79	-13.00	51.79	Vertical
637.5899	-63.35	-13.00	50.35	Vertical
1674.5349	-49.10	-13.00	36.10	Vertical
5596.0865	-54.91	-13.00	41.91	Vertical
17997.4999	-31.58	-13.00	18.58	Vertical
43.8232	-64.57	-13.00	51.57	Horizontal
242.8286	-66.93	-13.00	53.93	Horizontal
517.6919	-64.60	-13.00	51.60	Horizontal
1671.3343	-52.42	-13.00	39.42	Horizontal



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5867.0956	-54.59	-13.00	41.59	Horizontal
17995.4999	-36.53	-13.00	23.53	Horizontal

7.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.2126	-72.70	-13.00	59.70	Vertical
112.7451	-64.95	-13.00	51.95	Vertical
648.7939	-64.48	-13.00	51.48	Vertical
1691.3383	-50.05	-13.00	37.05	Vertical
5048.0683	-55.13	-13.00	42.13	Vertical
17984.9995	-31.24	-13.00	18.24	Vertical
43.5807	-64.01	-13.00	51.01	Horizontal
231.2851	-68.48	-13.00	55.48	Horizontal
634.6312	-63.75	-13.00	50.75	Horizontal
1691.3383	-54.52	-13.00	41.52	Horizontal
2998.7998	-55.52	-13.00	42.52	Horizontal
17994.4998	-36.55	-13.00	23.55	Horizontal

Remark:

The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage								
BAND	Test Mode	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	TM1	9262	VL	TN	-1.66	-0.000896	±2.5	PASS
Band II	TM1	9262	VN	TN	-2.27	-0.001224	±2.5	PASS
Band II	TM1	9262	VH	TN	-1.73	-0.000934	±2.5	PASS
Band II	TM1	9400	VL	TN	-1.49	-0.000795	±2.5	PASS
Band II	TM1	9400	VN	TN	-0.90	-0.000479	±2.5	PASS
Band II	TM1	9400	VH	TN	-1.41	-0.000749	±2.5	PASS
Band II	TM1	9538	VL	TN	-1.47	-0.000772	±2.5	PASS
Band II	TM1	9538	VN	TN	0.01	0.000007	±2.5	PASS
Band II	TM1	9538	VH	TN	1.15	0.000604	±2.5	PASS
Band IV	TM1	1312	VL	TN	-2.16	-0.001261	±2.5	PASS
Band IV	TM1	1312	VN	TN	-1.79	-0.001044	±2.5	PASS
Band IV	TM1	1312	VH	TN	-0.49	-0.000284	±2.5	PASS
Band IV	TM1	1413	VL	TN	-1.27	-0.000731	±2.5	PASS
Band IV	TM1	1413	VN	TN	-0.69	-0.000400	±2.5	PASS
Band IV	TM1	1413	VH	TN	-1.37	-0.000788	±2.5	PASS
Band IV	TM1	1513	VL	TN	0.42	0.000241	±2.5	PASS
Band IV	TM1	1513	VN	TN	0.02	0.000012	±2.5	PASS
Band IV	TM1	1513	VH	TN	-0.34	-0.000196	±2.5	PASS
Band V	TM1	4132	VL	TN	-0.09	-0.000104	±2.5	PASS
Band V	TM1	4132	VN	TN	0.42	0.000511	±2.5	PASS
Band V	TM1	4132	VH	TN	0.35	0.000424	±2.5	PASS
Band V	TM1	4182	VL	TN	0.12	0.000145	±2.5	PASS
Band V	TM1	4182	VN	TN	-0.62	-0.000744	±2.5	PASS
Band V	TM1	4182	VH	TN	-0.93	-0.001112	±2.5	PASS
Band V	TM1	4233	VL	TN	-0.95	-0.001124	±2.5	PASS
Band V	TM1	4233	VN	TN	-0.18	-0.000211	±2.5	PASS
Band V	TM1	4233	VH	TN	-0.64	-0.000752	±2.5	PASS
Band II	TM2	9262	VL	TN	-9.28	-0.005012	±2.5	PASS
Band II	TM2	9262	VN	TN	-12.57	-0.006786	±2.5	PASS
Band II	TM2	9262	VH	TN	-13.00	-0.007017	±2.5	PASS
Band II	TM2	9400	VL	TN	-10.56	-0.005620	±2.5	PASS



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Band II	TM2	9400	VN	TN	-8.74	-0.004648	±2.5	PASS
Band II	TM2	9400	VH	TN	-1.11	-0.000591	±2.5	PASS
Band II	TM2	9538	VL	TN	-10.08	-0.005285	±2.5	PASS
Band II	TM2	9538	VN	TN	14.09	0.007387	±2.5	PASS
Band II	TM2	9538	VH	TN	-5.05	-0.002646	±2.5	PASS
Band IV	TM2	1312	VL	TN	1.91	0.001030	±2.5	PASS
Band IV	TM2	1312	VN	TN	12.72	0.006867	±2.5	PASS
Band IV	TM2	1312	VH	TN	-12.63	-0.006819	±2.5	PASS
Band IV	TM2	1413	VL	TN	-5.92	-0.003148	±2.5	PASS
Band IV	TM2	1413	VN	TN	-5.50	-0.002926	±2.5	PASS
Band IV	TM2	1413	VH	TN	-12.31	-0.006547	±2.5	PASS
Band IV	TM2	1513	VL	TN	12.95	0.006789	±2.5	PASS
Band IV	TM2	1513	VN	TN	3.18	0.001664	±2.5	PASS
Band IV	TM2	1513	VH	TN	14.85	0.007782	±2.5	PASS
Band V	TM2	4132	VL	TN	7.05	0.008530	±2.5	PASS
Band V	TM2	4132	VN	TN	-5.74	-0.006951	±2.5	PASS
Band V	TM2	4132	VH	TN	-7.63	-0.009236	±2.5	PASS
Band V	TM2	4182	VL	TN	-12.70	-0.015178	±2.5	PASS
Band V	TM2	4182	VN	TN	7.25	0.008671	±2.5	PASS
Band V	TM2	4182	VH	TN	12.99	0.015533	±2.5	PASS
Band V	TM2	4233	VL	TN	4.18	0.004937	±2.5	PASS
Band V	TM2	4233	VN	TN	9.54	0.011263	±2.5	PASS
Band V	TM2	4233	VH	TN	0.94	0.001105	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature								
BAND	Test Mode	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	TM1	9262	VN	-30	-2.64	-0.001425	±2.5	PASS
Band II	TM1	9262	VN	-20	-1.90	-0.001027	±2.5	PASS
Band II	TM1	9262	VN	-10	-1.54	-0.000834	±2.5	PASS
Band II	TM1	9262	VN	0	-0.93	-0.000502	±2.5	PASS
Band II	TM1	9262	VN	10	-2.27	-0.001224	±2.5	PASS
Band II	TM1	9262	VN	20	-2.16	-0.001166	±2.5	PASS
Band II	TM1	9262	VN	30	-2.63	-0.001421	±2.5	PASS
Band II	TM1	9262	VN	40	-1.58	-0.000853	±2.5	PASS
Band II	TM1	9262	VN	50	-1.62	-0.000873	±2.5	PASS
Band II	TM1	9400	VN	-30	-1.26	-0.000670	±2.5	PASS
Band II	TM1	9400	VN	-20	-0.65	-0.000346	±2.5	PASS



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Band II	TM1	9400	VN	-10	-1.05	-0.000559	±2.5	PASS
Band II	TM1	9400	VN	0	-1.33	-0.000708	±2.5	PASS
Band II	TM1	9400	VN	10	-0.46	-0.000243	±2.5	PASS
Band II	TM1	9400	VN	20	-1.29	-0.000689	±2.5	PASS
Band II	TM1	9400	VN	30	-0.26	-0.000137	±2.5	PASS
Band II	TM1	9400	VN	40	-0.52	-0.000278	±2.5	PASS
Band II	TM1	9400	VN	50	-0.39	-0.000205	±2.5	PASS
Band II	TM1	9538	VN	-30	-0.62	-0.000326	±2.5	PASS
Band II	TM1	9538	VN	-20	0.13	0.000067	±2.5	PASS
Band II	TM1	9538	VN	-10	-0.13	-0.000067	±2.5	PASS
Band II	TM1	9538	VN	0	0.25	0.000131	±2.5	PASS
Band II	TM1	9538	VN	10	0.44	0.000229	±2.5	PASS
Band II	TM1	9538	VN	20	-0.69	-0.000360	±2.5	PASS
Band II	TM1	9538	VN	30	-0.69	-0.000364	±2.5	PASS
Band II	TM1	9538	VN	40	-0.41	-0.000214	±2.5	PASS
Band II	TM1	9538	VN	50	-0.23	-0.000120	±2.5	PASS
Band IV	TM1	1312	VN	-30	-1.88	-0.001099	±2.5	PASS
Band IV	TM1	1312	VN	-20	-2.37	-0.001383	±2.5	PASS
Band IV	TM1	1312	VN	-10	-2.17	-0.001266	±2.5	PASS
Band IV	TM1	1312	VN	0	-1.51	-0.000881	±2.5	PASS
Band IV	TM1	1312	VN	10	-1.86	-0.001086	±2.5	PASS
Band IV	TM1	1312	VN	20	-2.02	-0.001182	±2.5	PASS
Band IV	TM1	1312	VN	30	-1.68	-0.000982	±2.5	PASS
Band IV	TM1	1312	VN	40	-1.49	-0.000873	±2.5	PASS
Band IV	TM1	1312	VN	50	-1.02	-0.000597	±2.5	PASS
Band IV	TM1	1413	VN	-30	-0.12	-0.000070	±2.5	PASS
Band IV	TM1	1413	VN	-20	0.11	0.000066	±2.5	PASS
Band IV	TM1	1413	VN	-10	-1.12	-0.000648	±2.5	PASS
Band IV	TM1	1413	VN	0	1.49	0.000859	±2.5	PASS
Band IV	TM1	1413	VN	10	1.22	0.000706	±2.5	PASS
Band IV	TM1	1413	VN	20	0.34	0.000194	±2.5	PASS
Band IV	TM1	1413	VN	30	0.94	0.000541	±2.5	PASS
Band IV	TM1	1413	VN	40	0.58	0.000334	±2.5	PASS
Band IV	TM1	1413	VN	50	2.52	0.001453	±2.5	PASS
Band IV	TM1	1513	VN	-30	0.04	0.000020	±2.5	PASS
Band IV	TM1	1513	VN	-20	-0.81	-0.000461	±2.5	PASS
Band IV	TM1	1513	VN	-10	-0.33	-0.000188	±2.5	PASS
Band IV	TM1	1513	VN	0	0.31	0.000180	±2.5	PASS



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Band IV	TM1	1513	VN	10	-0.11	-0.000065	±2.5	PASS
Band IV	TM1	1513	VN	20	-0.04	-0.000020	±2.5	PASS
Band IV	TM1	1513	VN	30	-0.95	-0.000543	±2.5	PASS
Band IV	TM1	1513	VN	40	0.02	0.000012	±2.5	PASS
Band IV	TM1	1513	VN	50	0.26	0.000151	±2.5	PASS
Band V	TM1	4132	VN	-30	-0.34	-0.000407	±2.5	PASS
Band V	TM1	4132	VN	-20	-0.02	-0.000026	±2.5	PASS
Band V	TM1	4132	VN	-10	0.05	0.000061	±2.5	PASS
Band V	TM1	4132	VN	0	0.26	0.000312	±2.5	PASS
Band V	TM1	4132	VN	10	0.21	0.000251	±2.5	PASS
Band V	TM1	4132	VN	20	-0.01	-0.000009	±2.5	PASS
Band V	TM1	4132	VN	30	-0.11	-0.000138	±2.5	PASS
Band V	TM1	4132	VN	40	-0.29	-0.000346	±2.5	PASS
Band V	TM1	4132	VN	50	-0.37	-0.000450	±2.5	PASS
Band V	TM1	4182	VN	-30	0.11	0.000128	±2.5	PASS
Band V	TM1	4182	VN	-20	-0.11	-0.000137	±2.5	PASS
Band V	TM1	4182	VN	-10	-0.28	-0.000334	±2.5	PASS
Band V	TM1	4182	VN	0	-0.82	-0.000975	±2.5	PASS
Band V	TM1	4182	VN	10	-0.28	-0.000334	±2.5	PASS
Band V	TM1	4182	VN	20	-0.14	-0.000171	±2.5	PASS
Band V	TM1	4182	VN	30	-0.41	-0.000487	±2.5	PASS
Band V	TM1	4182	VN	40	0.19	0.000231	±2.5	PASS
Band V	TM1	4182	VN	50	-0.49	-0.000582	±2.5	PASS
Band V	TM1	4233	VN	-30	-0.59	-0.000693	±2.5	PASS
Band V	TM1	4233	VN	-20	-0.11	-0.000135	±2.5	PASS
Band V	TM1	4233	VN	-10	-0.07	-0.000084	±2.5	PASS
Band V	TM1	4233	VN	0	-0.03	-0.000034	±2.5	PASS
Band V	TM1	4233	VN	10	-0.45	-0.000532	±2.5	PASS
Band V	TM1	4233	VN	20	-0.06	-0.000068	±2.5	PASS
Band V	TM1	4233	VN	30	0.09	0.000101	±2.5	PASS
Band V	TM1	4233	VN	40	-0.35	-0.000414	±2.5	PASS
Band V	TM1	4233	VN	50	-0.29	-0.000338	±2.5	PASS
Band II	TM2	9262	VN	-30	-11.21	-0.006050	±2.5	PASS
Band II	TM2	9262	VN	-20	-14.69	-0.007932	±2.5	PASS
Band II	TM2	9262	VN	-10	3.01	0.001624	±2.5	PASS
Band II	TM2	9262	VN	0	-0.69	-0.000372	±2.5	PASS
Band II	TM2	9262	VN	10	12.67	0.006842	±2.5	PASS
Band II	TM2	9262	VN	20	9.97	0.005381	±2.5	PASS



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Band II	TM2	9262	VN	30	8.59	0.004637	±2.5	PASS
Band II	TM2	9262	VN	40	-4.03	-0.002173	±2.5	PASS
Band II	TM2	9262	VN	50	-6.70	-0.003618	±2.5	PASS
Band II	TM2	9400	VN	-30	-6.64	-0.003534	±2.5	PASS
Band II	TM2	9400	VN	-20	-7.39	-0.003931	±2.5	PASS
Band II	TM2	9400	VN	-10	8.51	0.004524	±2.5	PASS
Band II	TM2	9400	VN	0	3.77	0.002007	±2.5	PASS
Band II	TM2	9400	VN	10	-4.67	-0.002484	±2.5	PASS
Band II	TM2	9400	VN	20	-8.74	-0.004648	±2.5	PASS
Band II	TM2	9400	VN	30	9.31	0.004951	±2.5	PASS
Band II	TM2	9400	VN	40	-5.91	-0.003145	±2.5	PASS
Band II	TM2	9400	VN	50	-14.58	-0.007758	±2.5	PASS
Band II	TM2	9538	VN	-30	-6.75	-0.003539	±2.5	PASS
Band II	TM2	9538	VN	-20	-13.95	-0.007315	±2.5	PASS
Band II	TM2	9538	VN	-10	-14.26	-0.007478	±2.5	PASS
Band II	TM2	9538	VN	0	8.25	0.004327	±2.5	PASS
Band II	TM2	9538	VN	10	-14.23	-0.007458	±2.5	PASS
Band II	TM2	9538	VN	20	-7.53	-0.003948	±2.5	PASS
Band II	TM2	9538	VN	30	-6.27	-0.003289	±2.5	PASS
Band II	TM2	9538	VN	40	-10.06	-0.005273	±2.5	PASS
Band II	TM2	9538	VN	50	-0.55	-0.000288	±2.5	PASS
Band IV	TM2	1312	VN	-30	6.38	0.007718	±2.5	PASS
Band IV	TM2	1312	VN	-20	3.94	0.004771	±2.5	PASS
Band IV	TM2	1312	VN	-10	-2.96	-0.003582	±2.5	PASS
Band IV	TM2	1312	VN	0	5.70	0.006896	±2.5	PASS
Band IV	TM2	1312	VN	10	-1.30	-0.001577	±2.5	PASS
Band IV	TM2	1312	VN	20	6.79	0.008220	±2.5	PASS
Band IV	TM2	1312	VN	30	11.39	0.013784	±2.5	PASS
Band IV	TM2	1312	VN	40	0.11	0.000129	±2.5	PASS
Band IV	TM2	1312	VN	50	6.78	0.008207	±2.5	PASS
Band IV	TM2	1413	VN	-30	-2.78	-0.003324	±2.5	PASS
Band IV	TM2	1413	VN	-20	0.27	0.000322	±2.5	PASS
Band IV	TM2	1413	VN	-10	-7.47	-0.008928	±2.5	PASS
Band IV	TM2	1413	VN	0	7.49	0.008960	±2.5	PASS
Band IV	TM2	1413	VN	10	-10.94	-0.013077	±2.5	PASS
Band IV	TM2	1413	VN	20	3.56	0.004259	±2.5	PASS
Band IV	TM2	1413	VN	30	3.08	0.003679	±2.5	PASS
Band IV	TM2	1413	VN	40	9.84	0.011764	±2.5	PASS



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Band IV	TM2	1413	VN	50	-5.99	-0.007160	±2.5	PASS
Band IV	TM2	1513	VN	-30	-3.29	-0.003883	±2.5	PASS
Band IV	TM2	1513	VN	-20	-6.58	-0.007770	±2.5	PASS
Band IV	TM2	1513	VN	-10	11.49	0.013576	±2.5	PASS
Band IV	TM2	1513	VN	0	8.77	0.010365	±2.5	PASS
Band IV	TM2	1513	VN	10	6.75	0.007969	±2.5	PASS
Band IV	TM2	1513	VN	20	12.57	0.014844	±2.5	PASS
Band IV	TM2	1513	VN	30	-1.75	-0.002064	±2.5	PASS
Band IV	TM2	1513	VN	40	2.17	0.002566	±2.5	PASS
Band IV	TM2	1513	VN	50	6.05	0.007141	±2.5	PASS
Band V	TM2	4132	VN	-30	12.89	0.015597	±2.5	PASS
Band V	TM2	4132	VN	-20	1.51	0.001829	±2.5	PASS
Band V	TM2	4132	VN	-10	2.93	0.003547	±2.5	PASS
Band V	TM2	4132	VN	0	-6.88	-0.008330	±2.5	PASS
Band V	TM2	4132	VN	10	-12.43	-0.015044	±2.5	PASS
Band V	TM2	4132	VN	20	-3.58	-0.004327	±2.5	PASS
Band V	TM2	4132	VN	30	-8.81	-0.010657	±2.5	PASS
Band V	TM2	4132	VN	40	13.87	0.016783	±2.5	PASS
Band V	TM2	4132	VN	50	2.58	0.003122	±2.5	PASS
Band V	TM2	4182	VN	-30	-2.57	-0.003075	±2.5	PASS
Band V	TM2	4182	VN	-20	-7.61	-0.009101	±2.5	PASS
Band V	TM2	4182	VN	-10	-4.88	-0.005829	±2.5	PASS
Band V	TM2	4182	VN	0	10.62	0.012692	±2.5	PASS
Band V	TM2	4182	VN	10	-4.07	-0.004861	±2.5	PASS
Band V	TM2	4182	VN	20	-2.87	-0.003431	±2.5	PASS
Band V	TM2	4182	VN	30	2.47	0.002959	±2.5	PASS
Band V	TM2	4182	VN	40	-12.64	-0.015107	±2.5	PASS
Band V	TM2	4182	VN	50	-8.54	-0.010209	±2.5	PASS
Band V	TM2	4233	VN	-30	-5.10	-0.006021	±2.5	PASS
Band V	TM2	4233	VN	-20	-10.07	-0.011891	±2.5	PASS
Band V	TM2	4233	VN	-10	9.95	0.011748	±2.5	PASS
Band V	TM2	4233	VN	0	13.62	0.016093	±2.5	PASS
Band V	TM2	4233	VN	10	-2.93	-0.003463	±2.5	PASS
Band V	TM2	4233	VN	20	-13.58	-0.016044	±2.5	PASS
Band V	TM2	4233	VN	30	-4.04	-0.004773	±2.5	PASS
Band V	TM2	4233	VN	40	-10.62	-0.012540	±2.5	PASS
Band V	TM2	4233	VN	50	1.73	0.002047	±2.5	PASS

The End



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