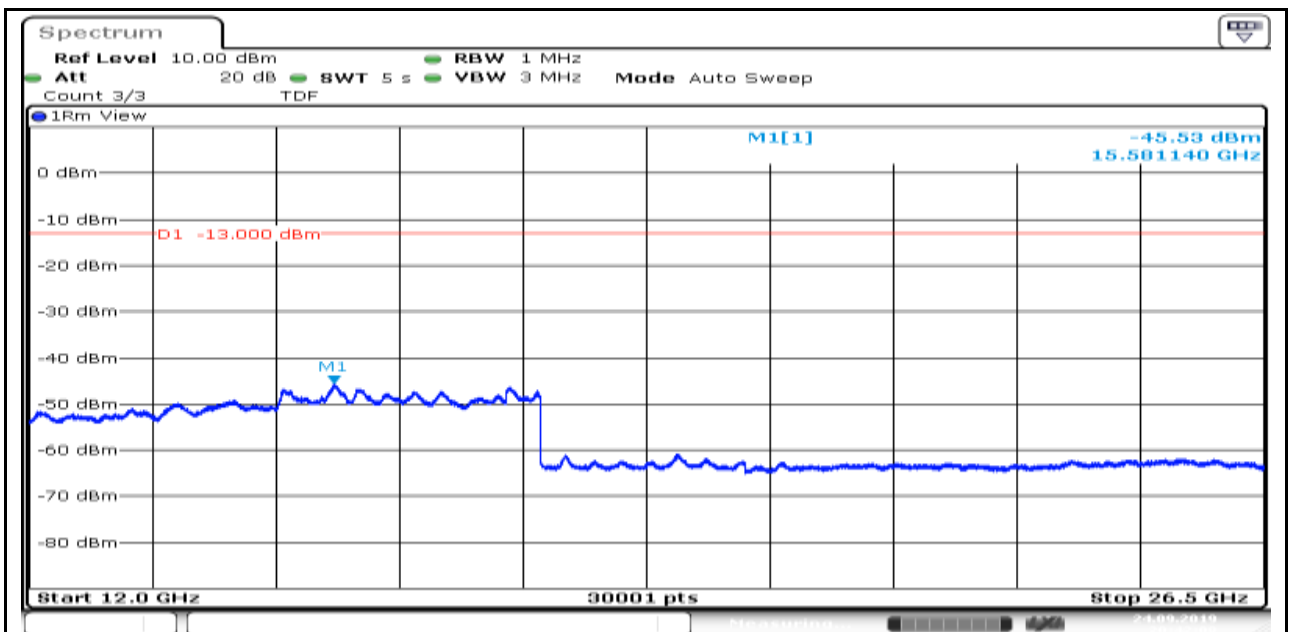
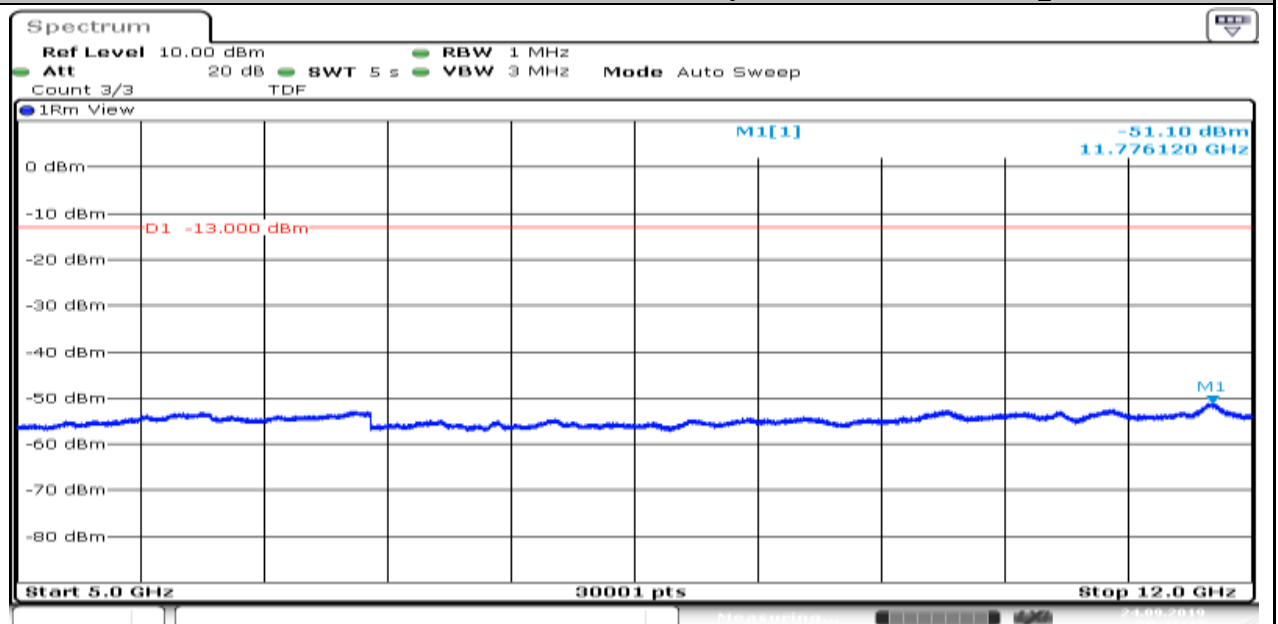




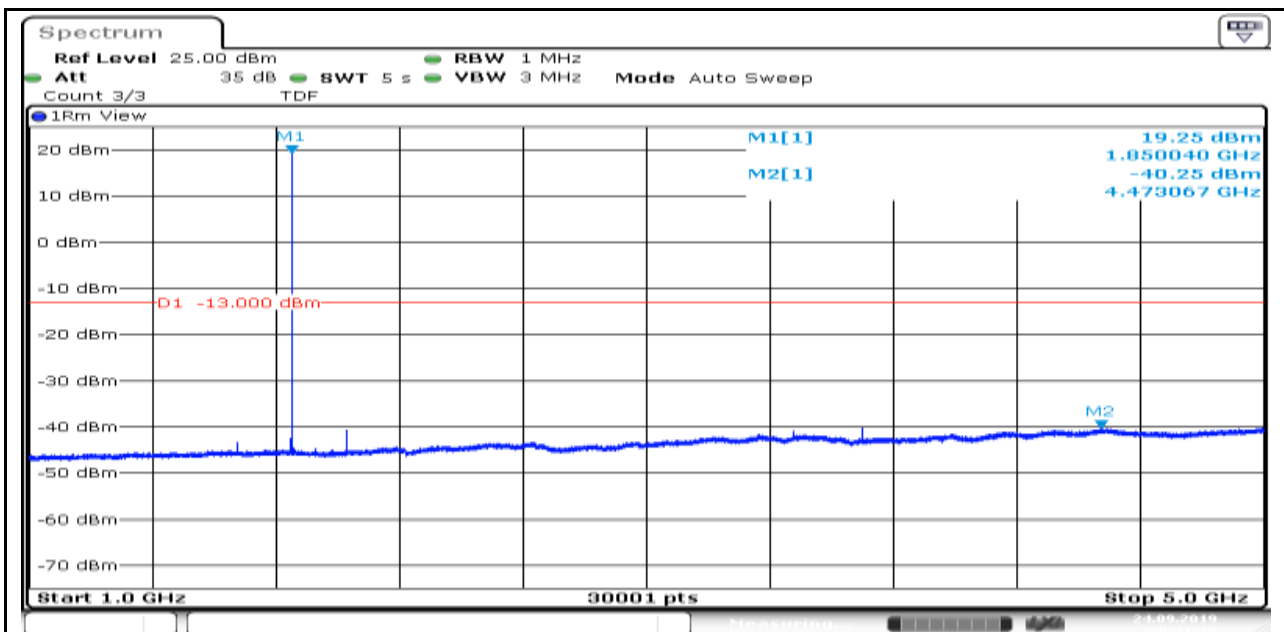
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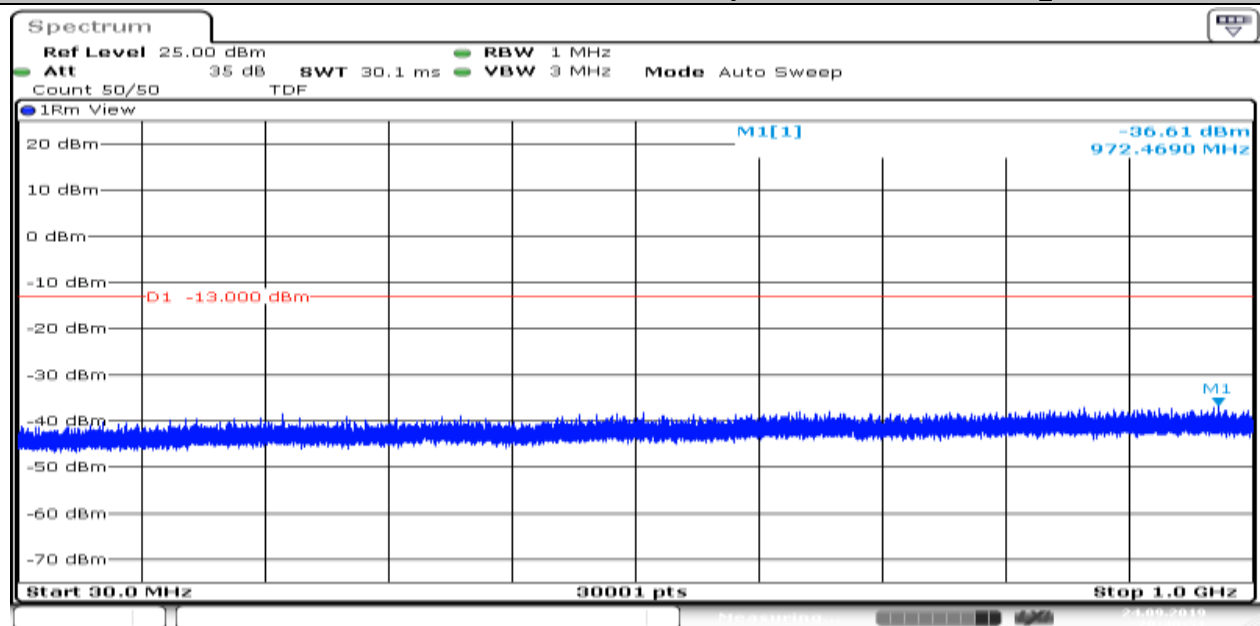


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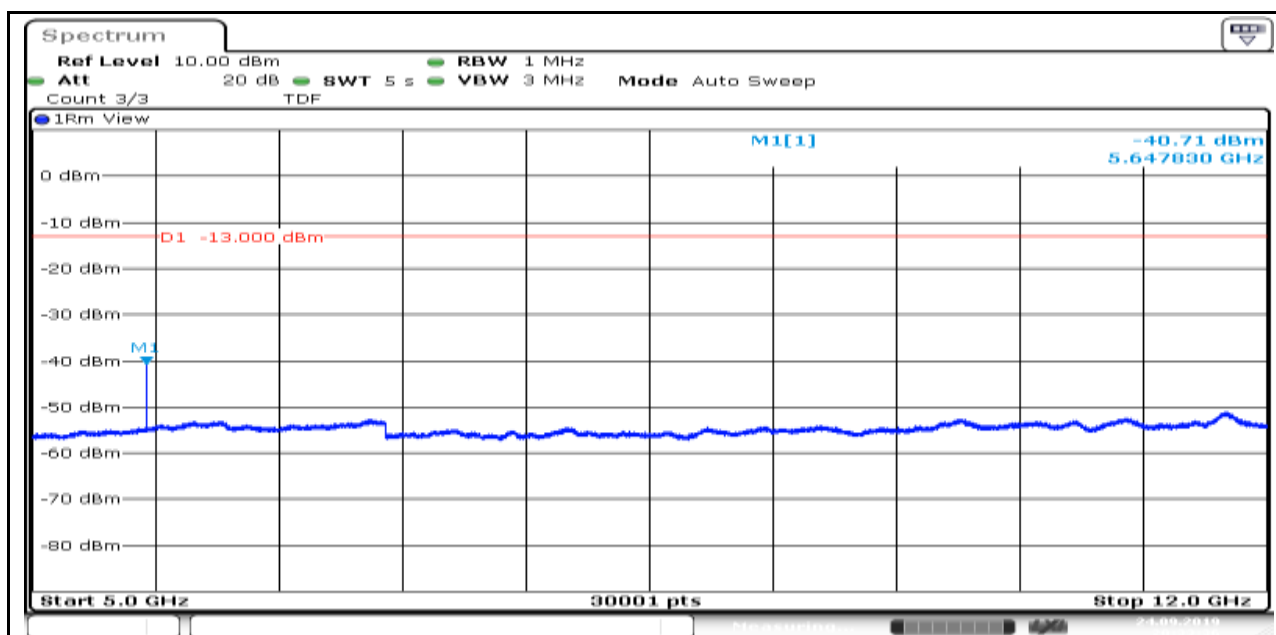
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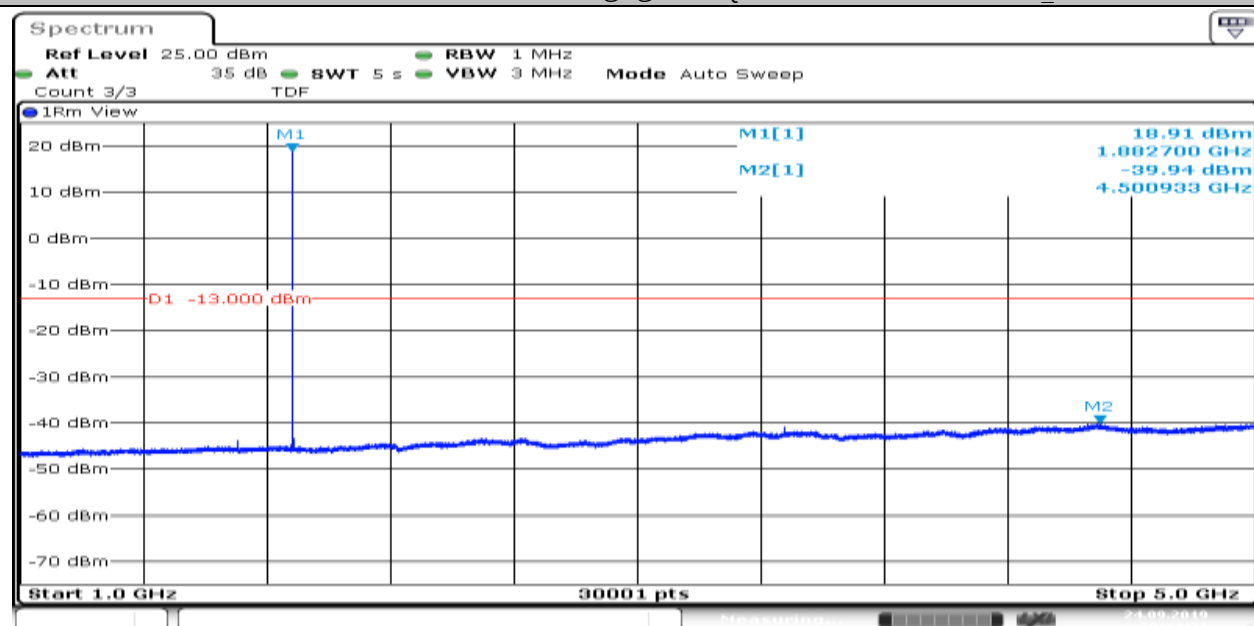
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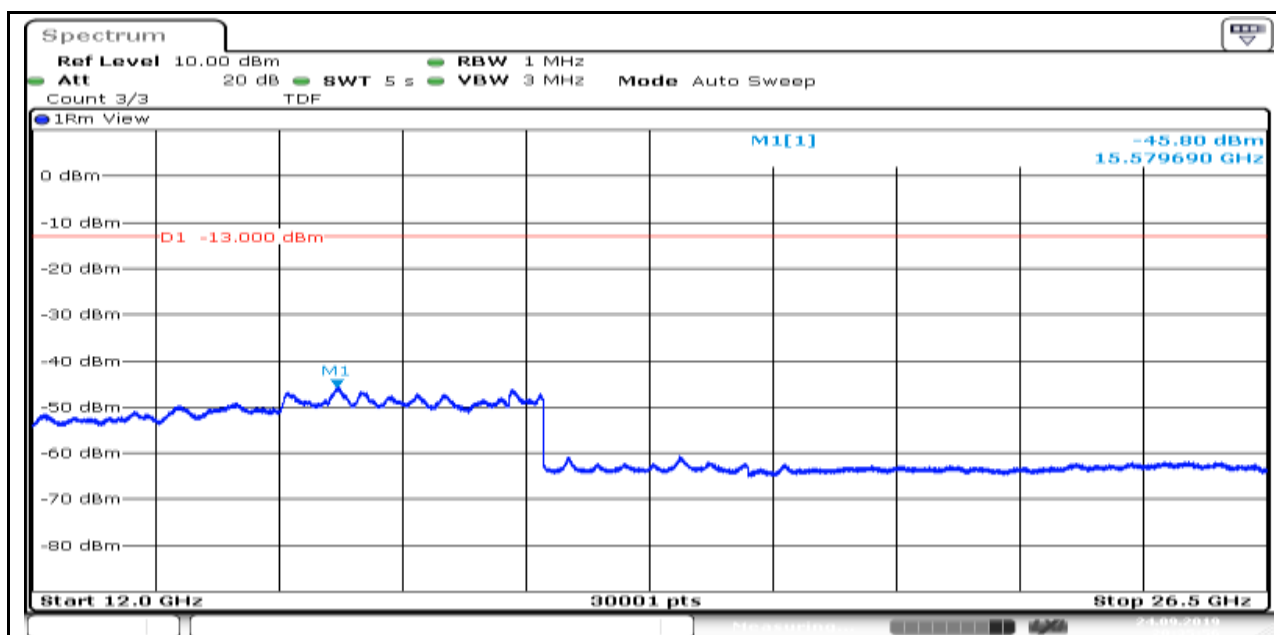
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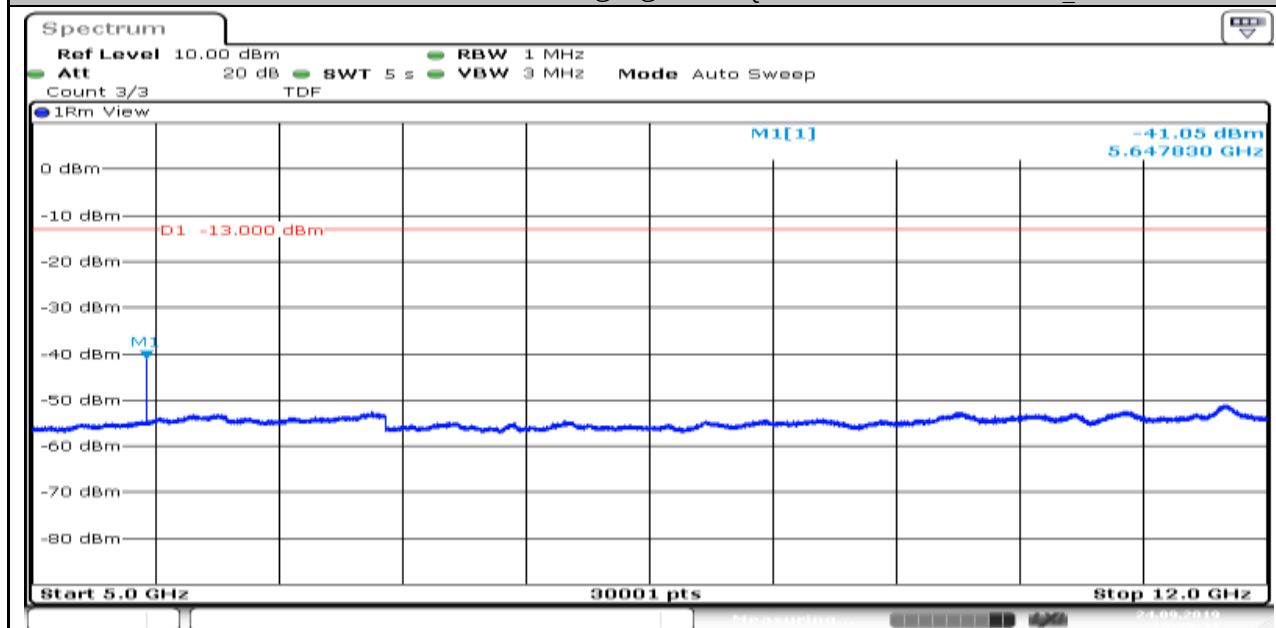
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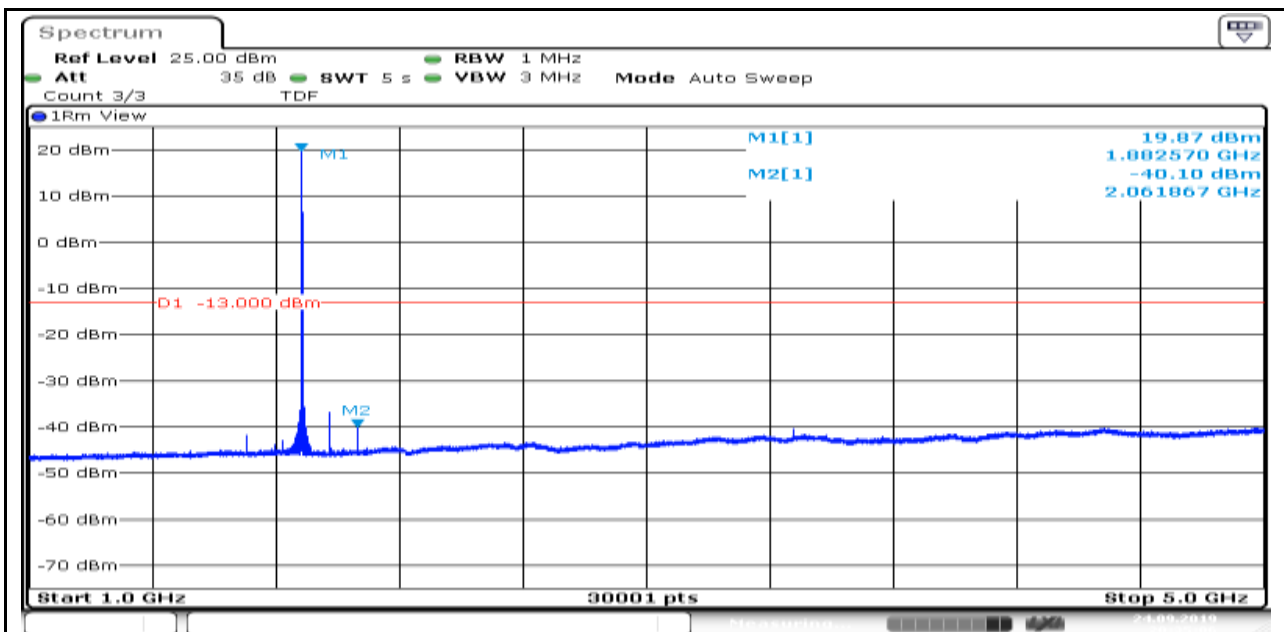
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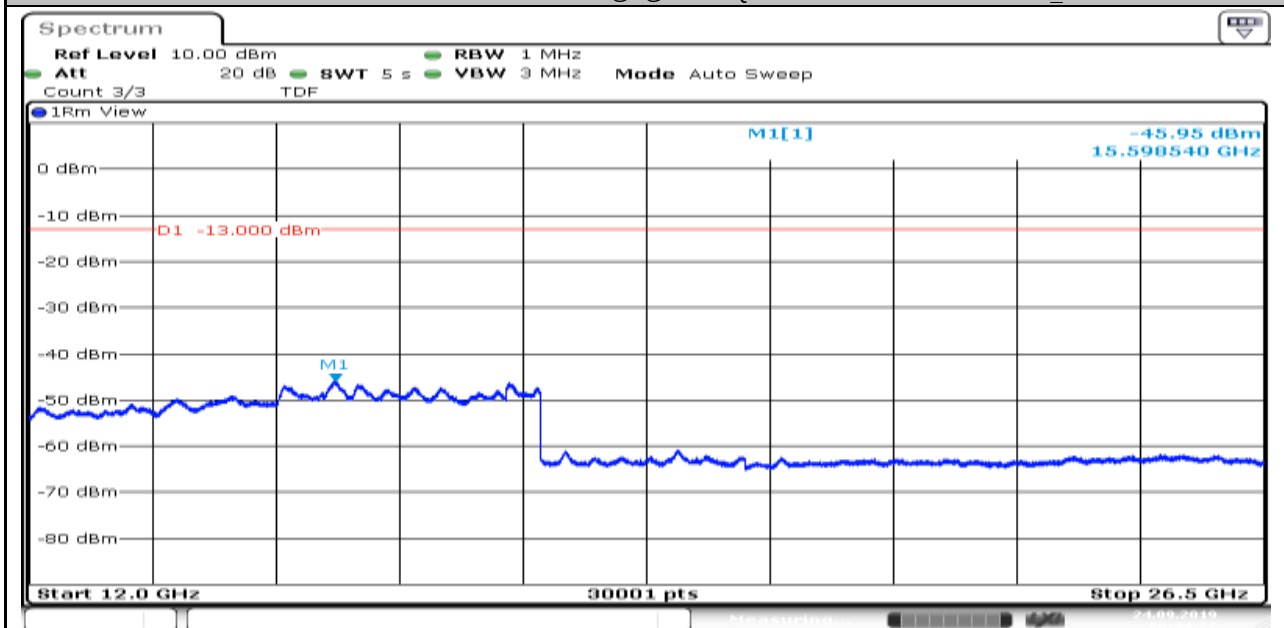
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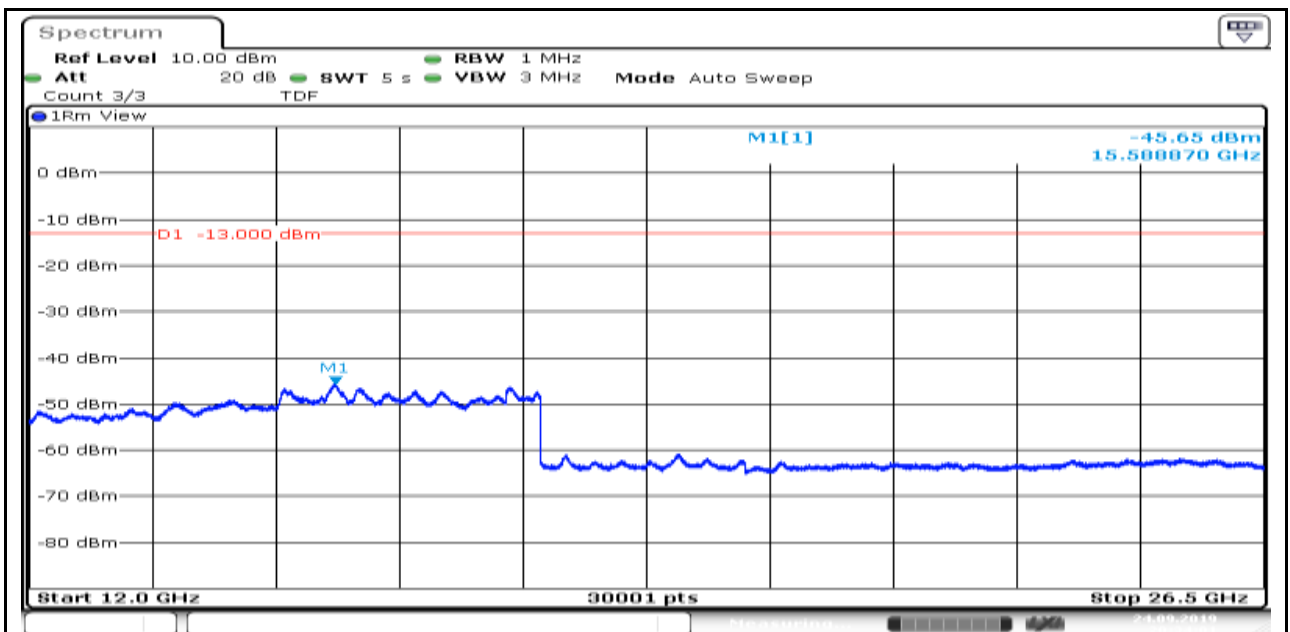
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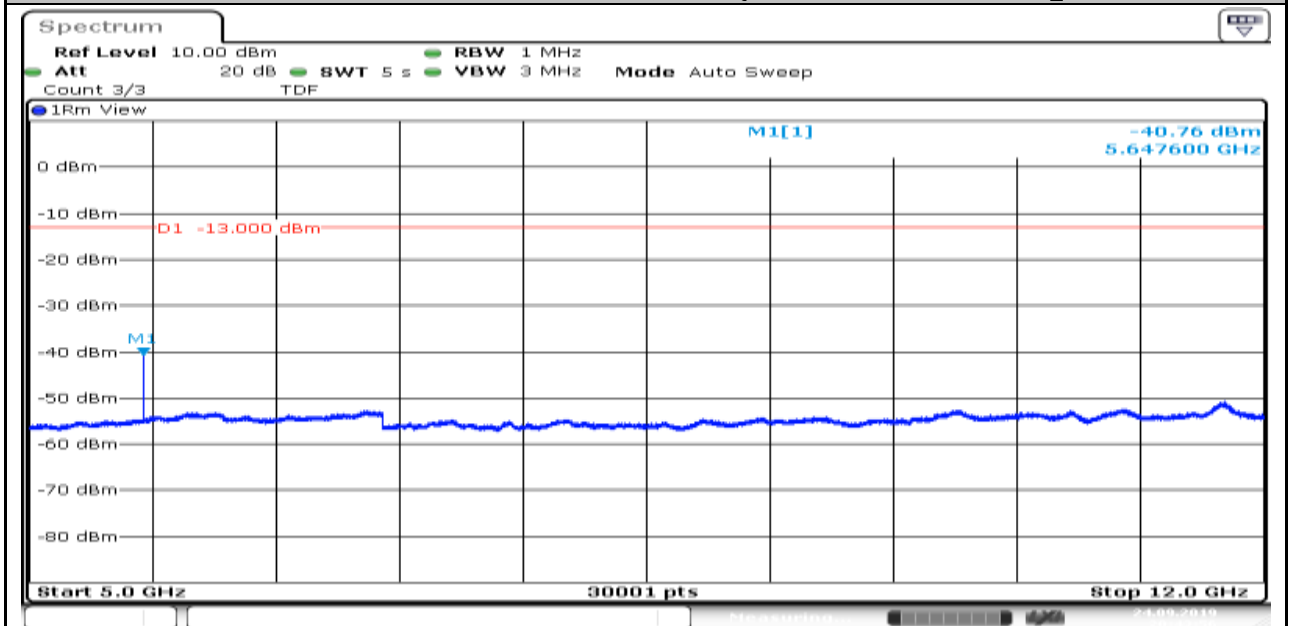
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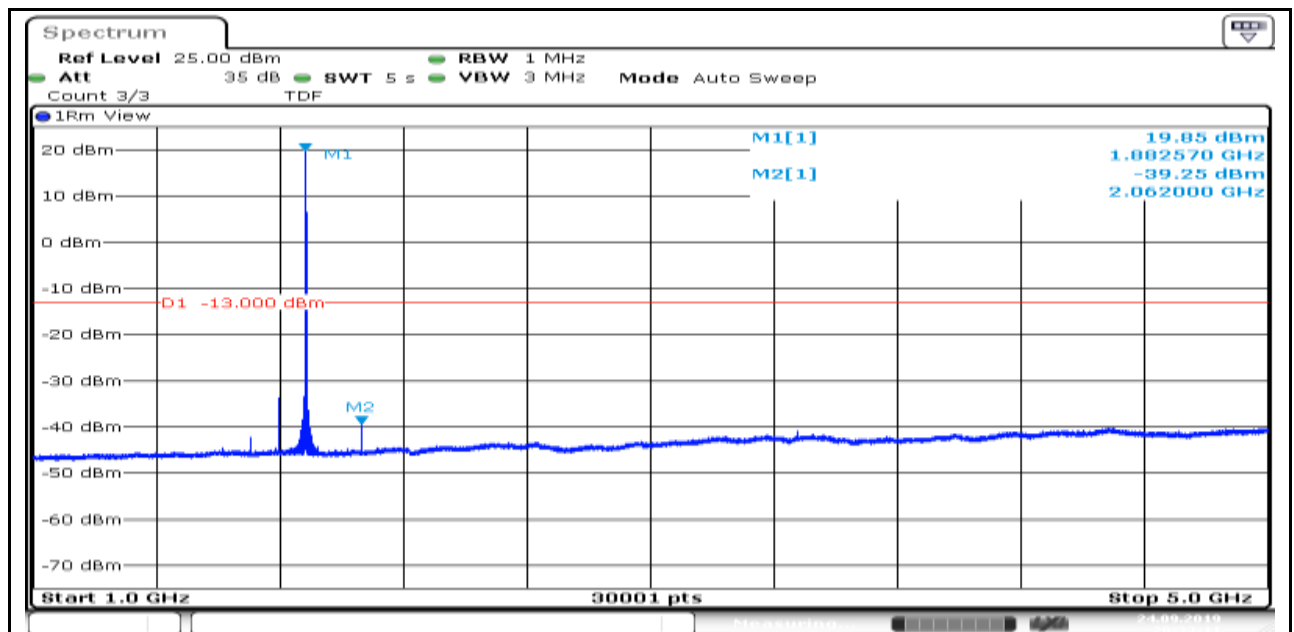
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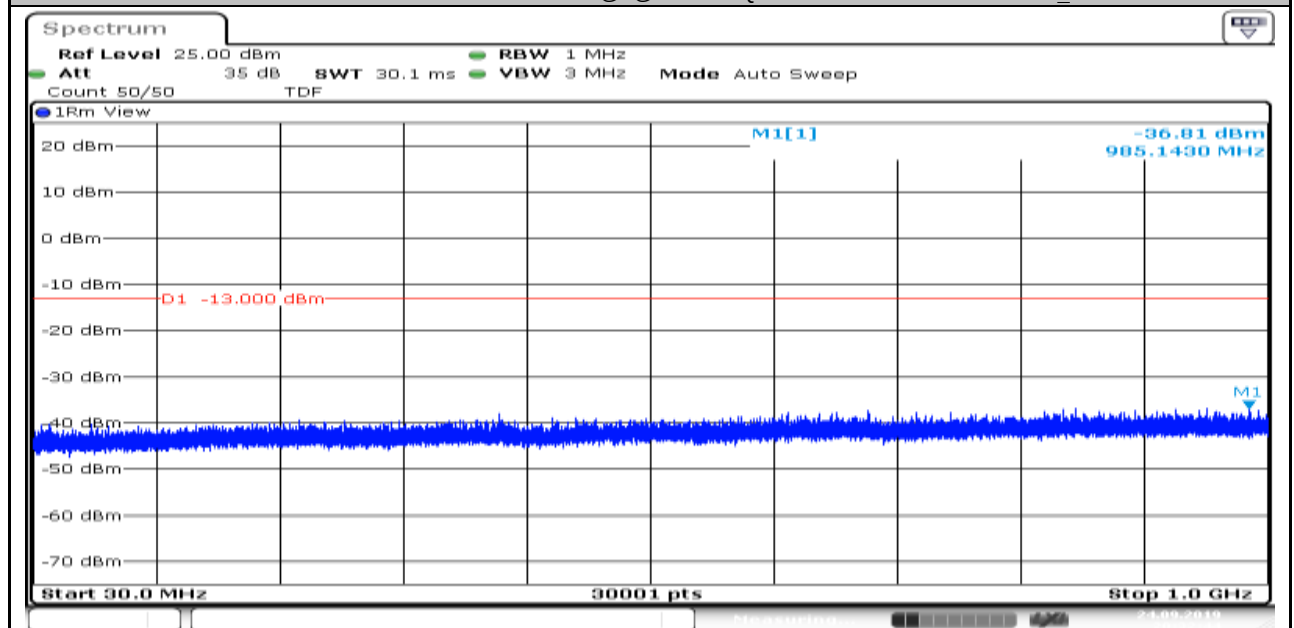
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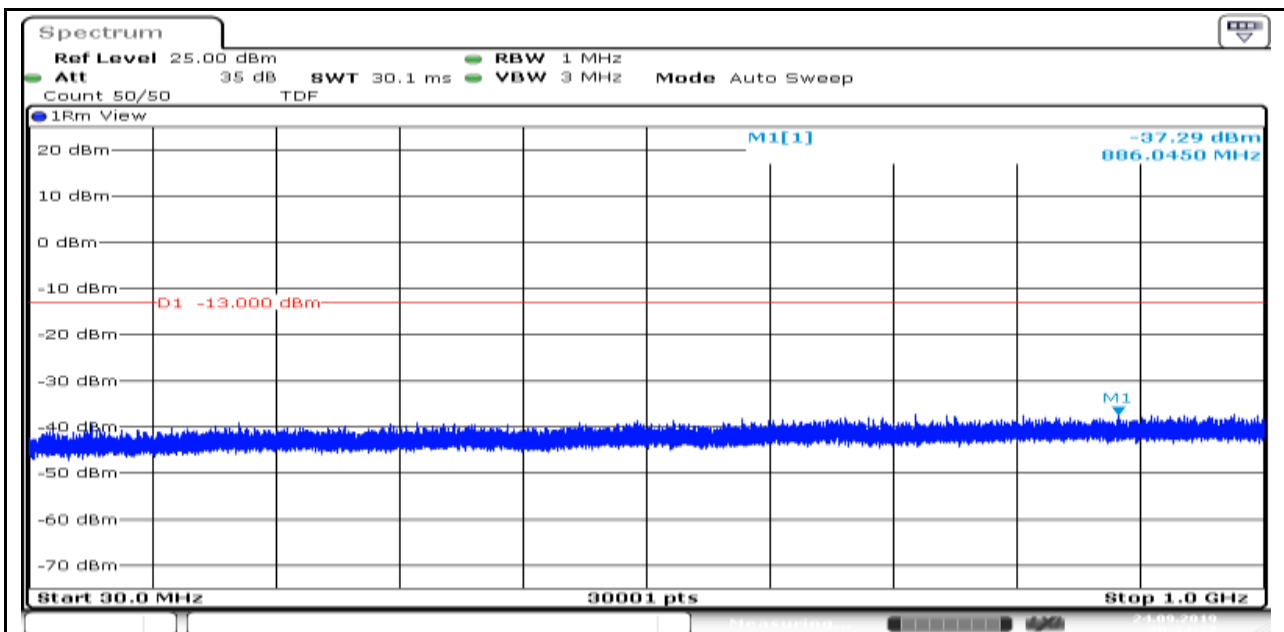
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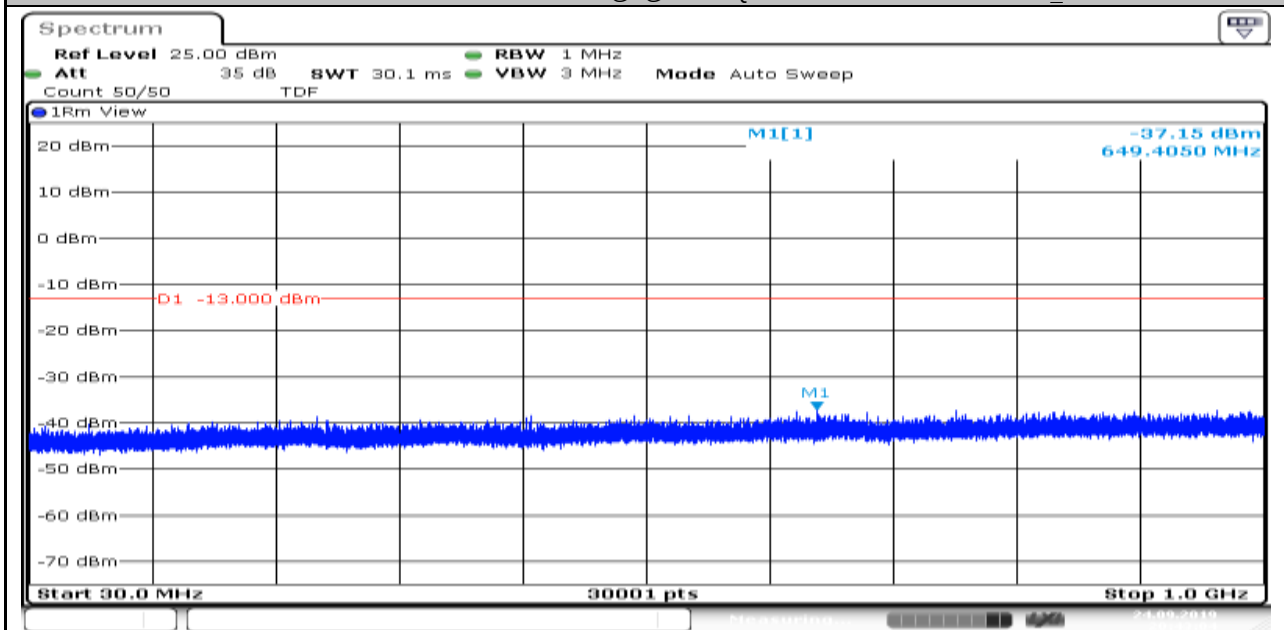
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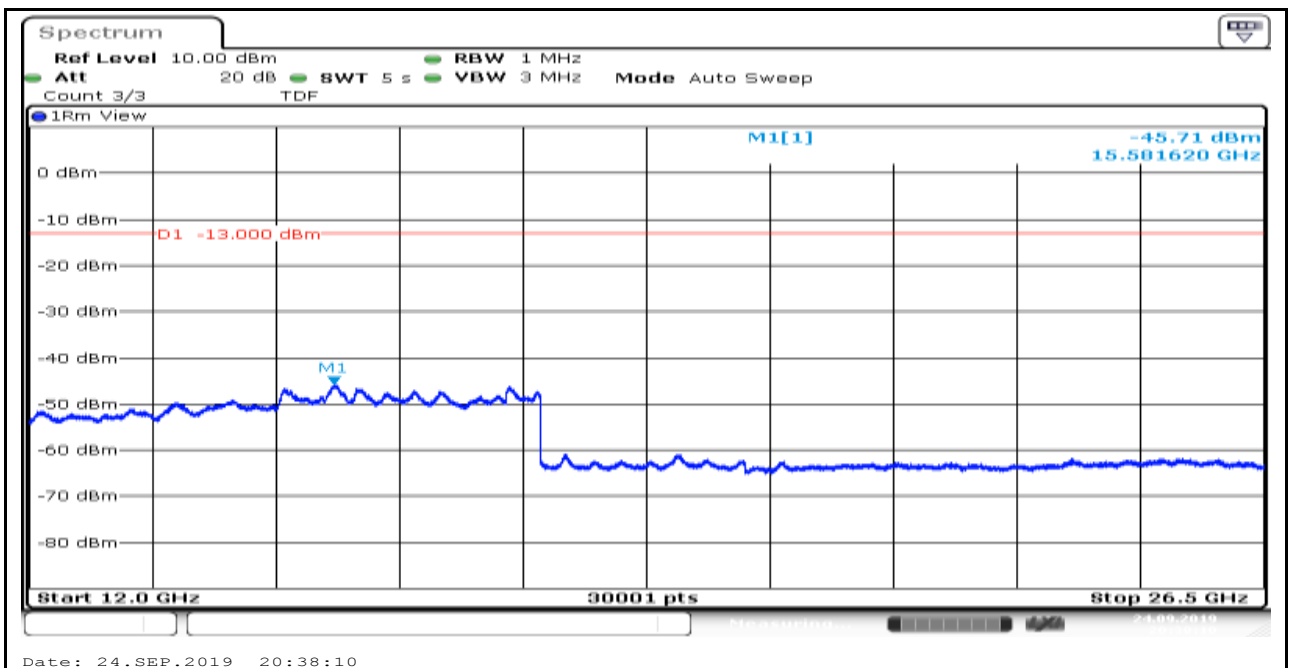
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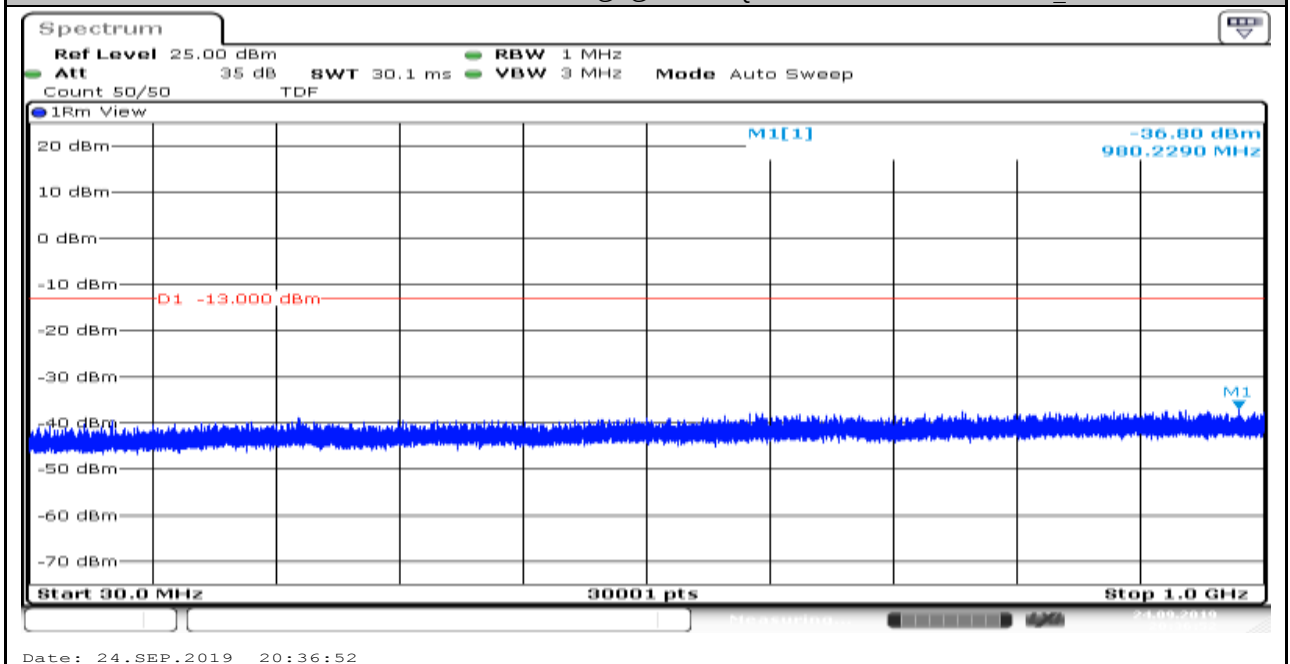
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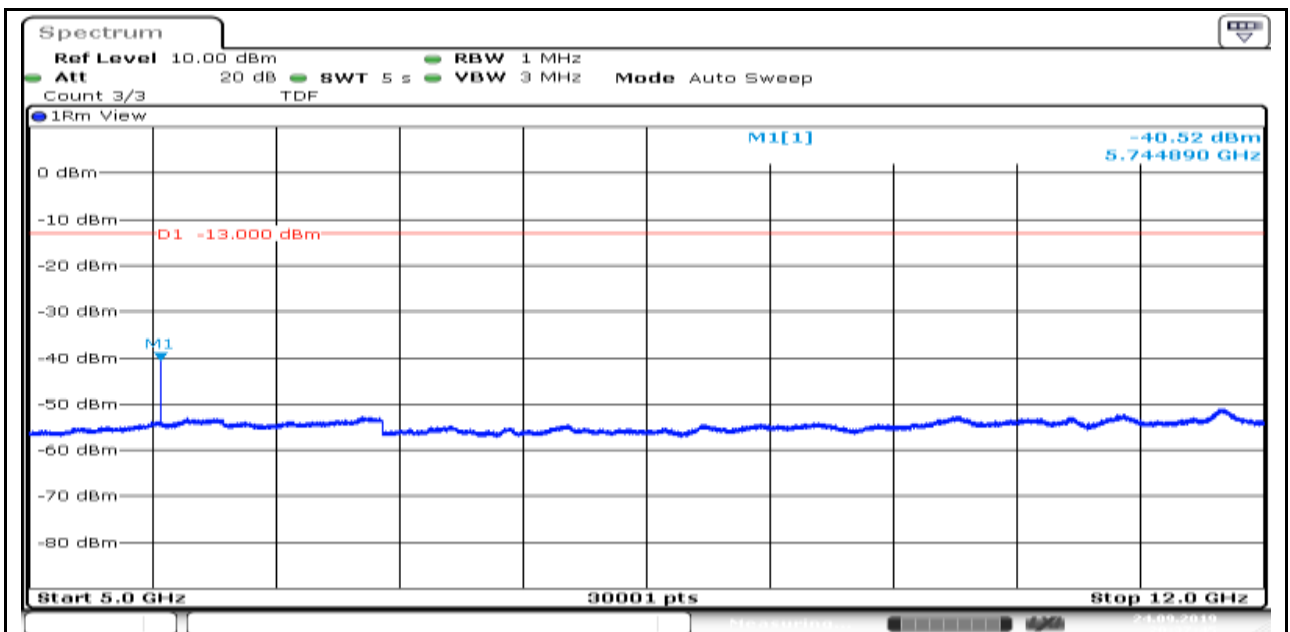
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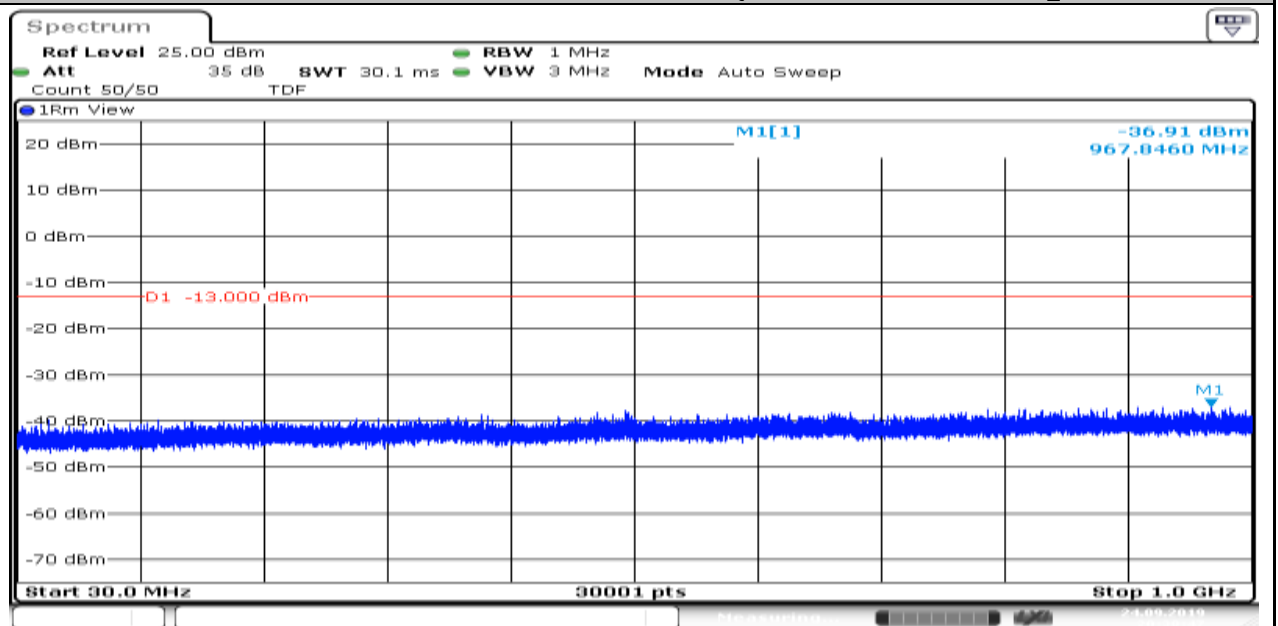


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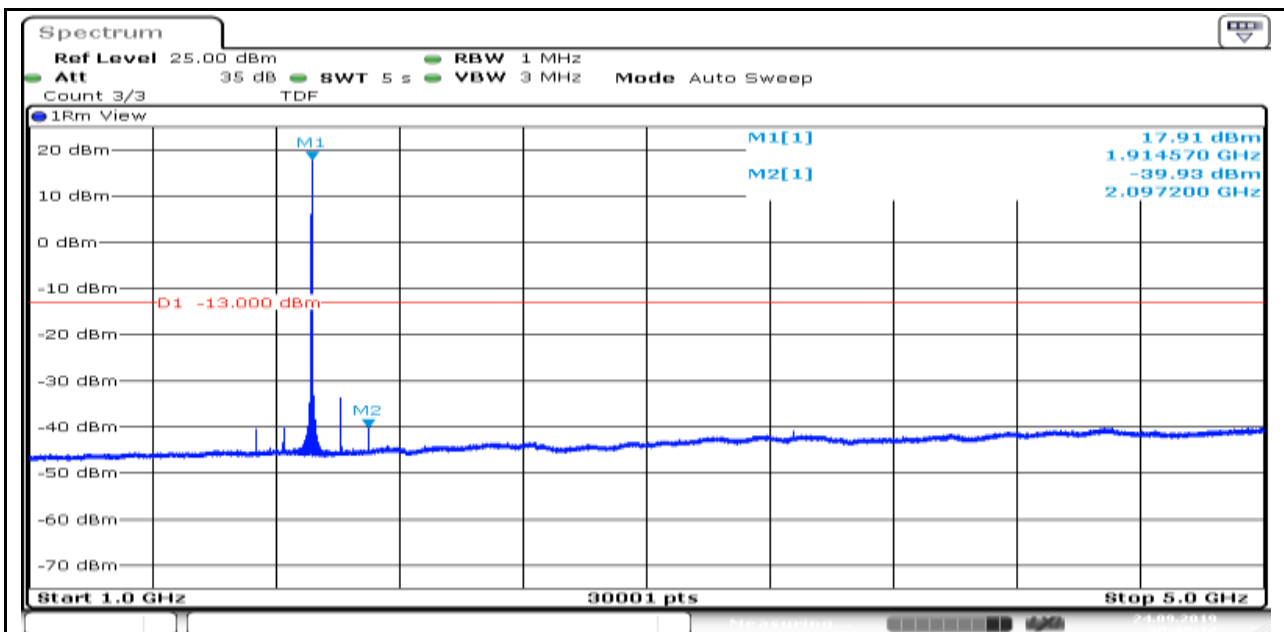
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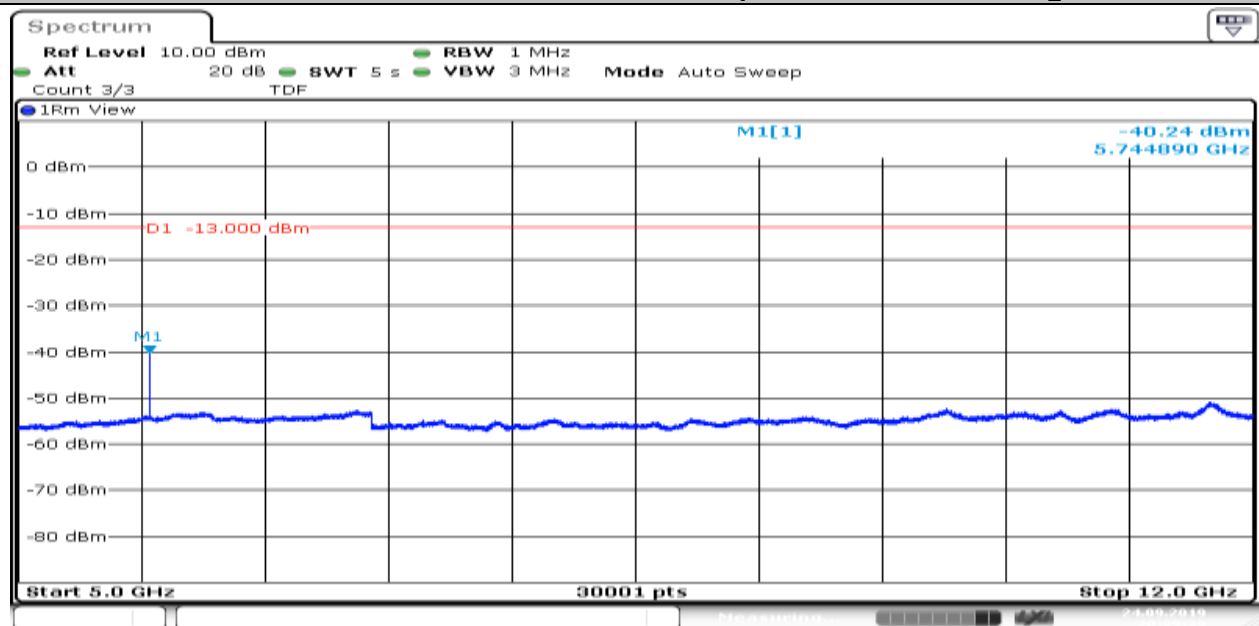


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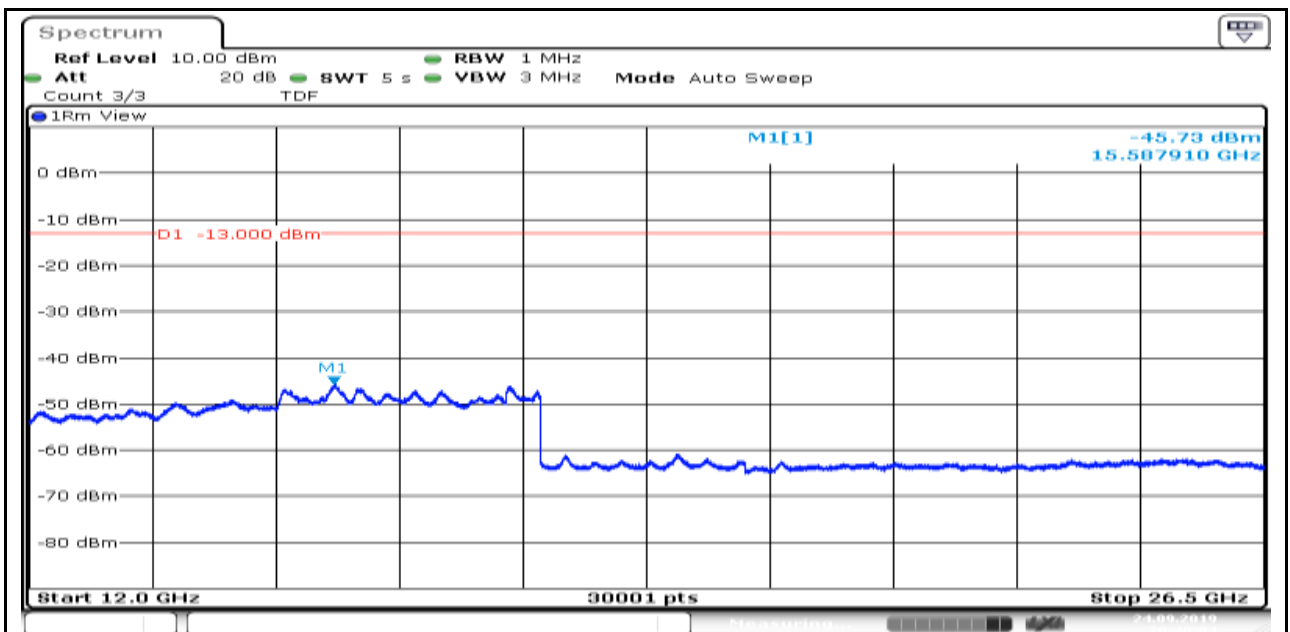
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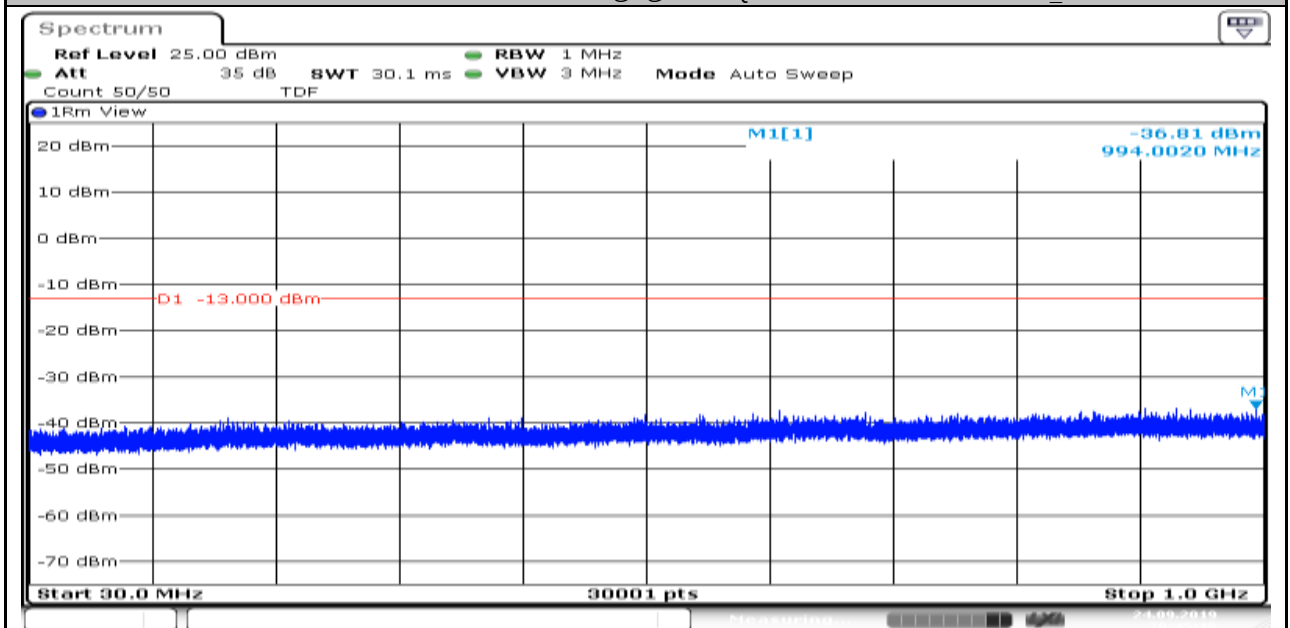
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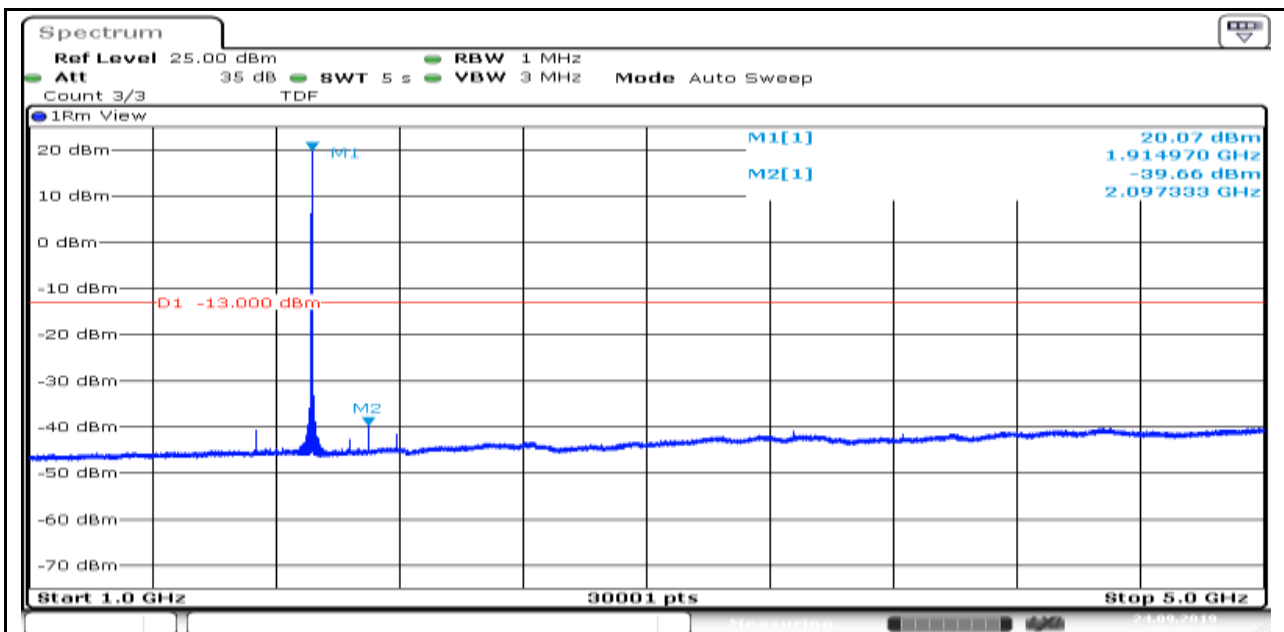
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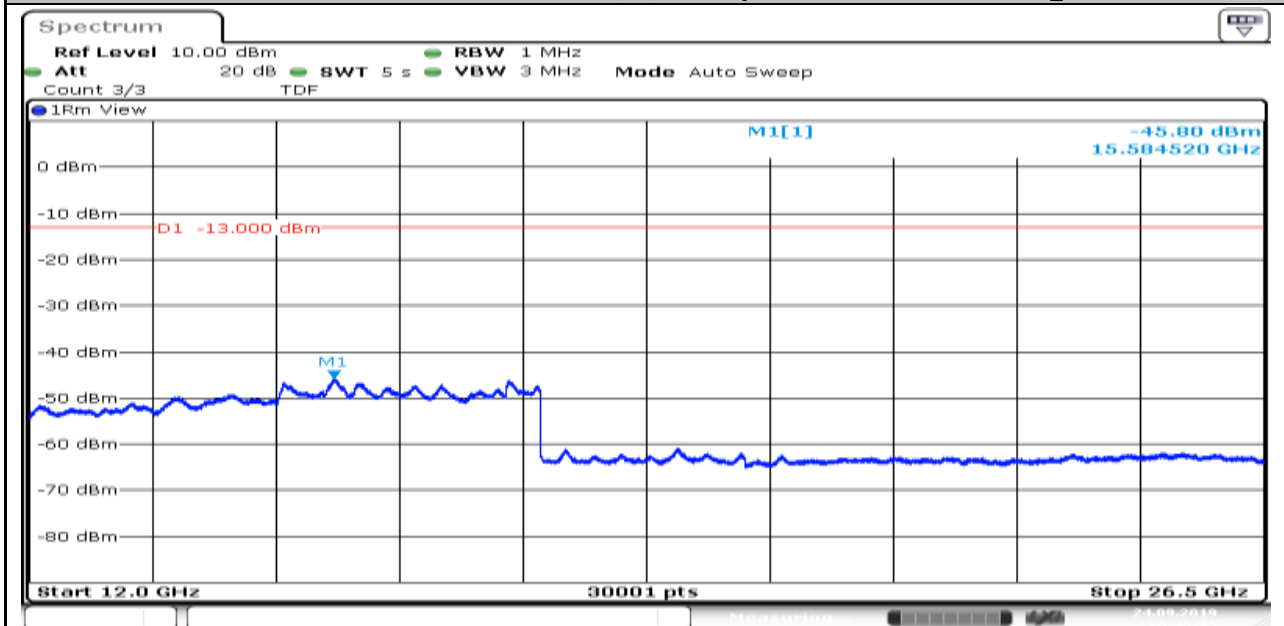
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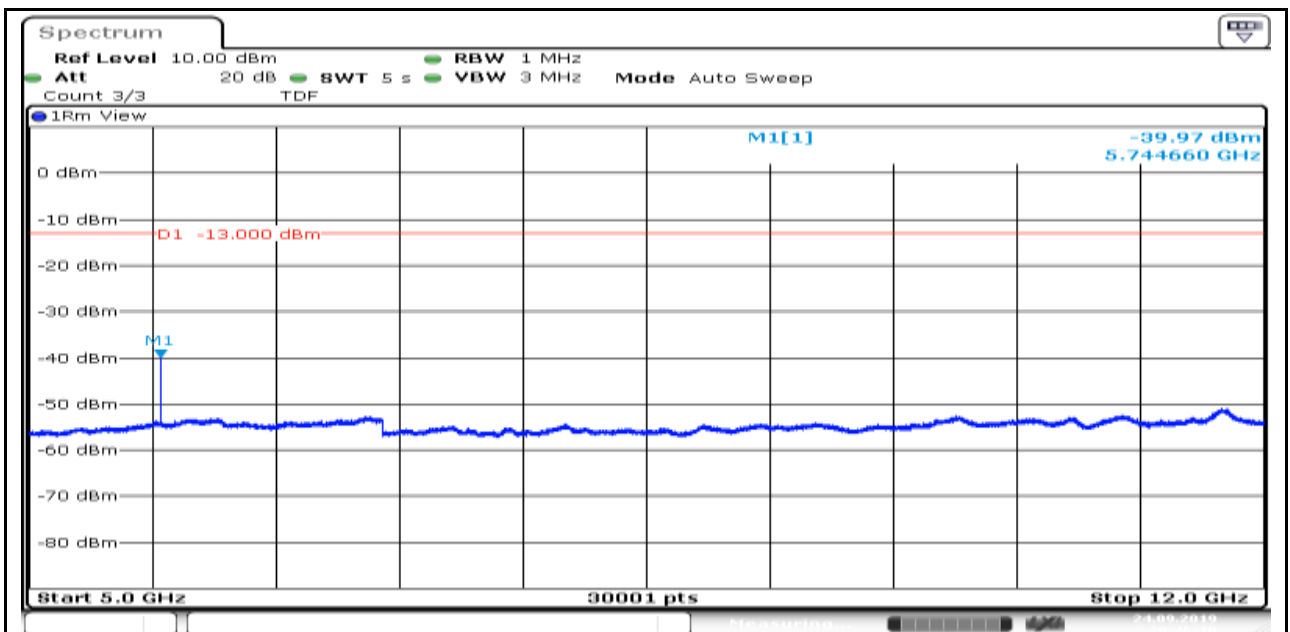
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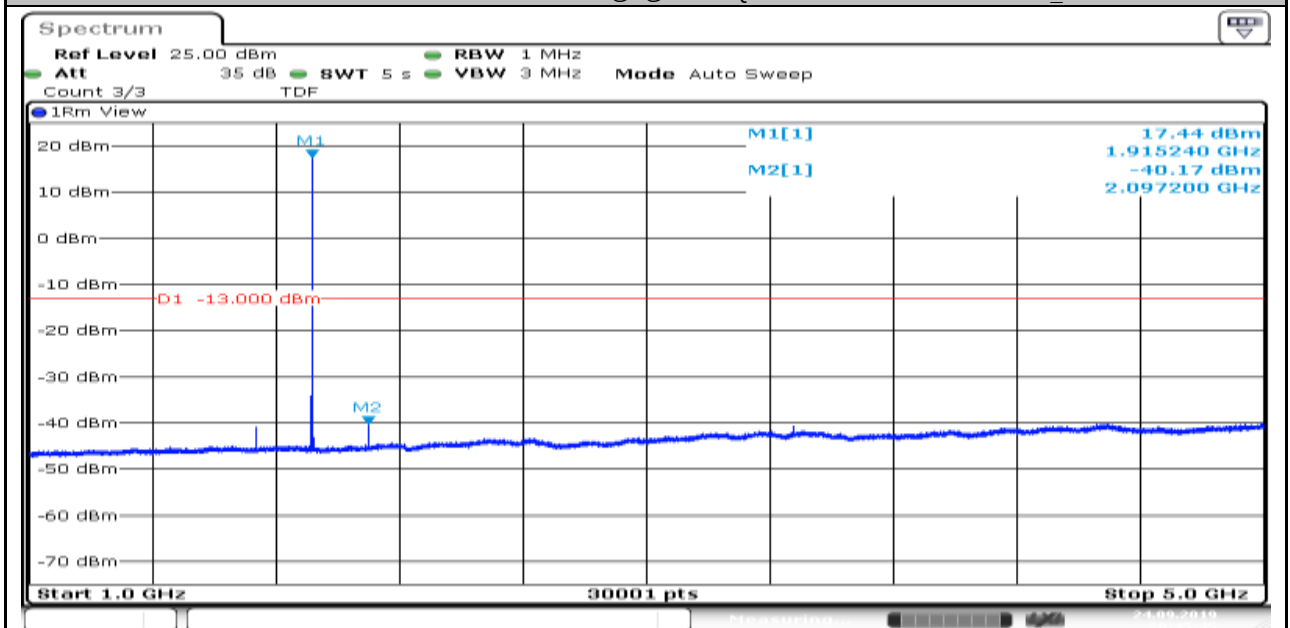
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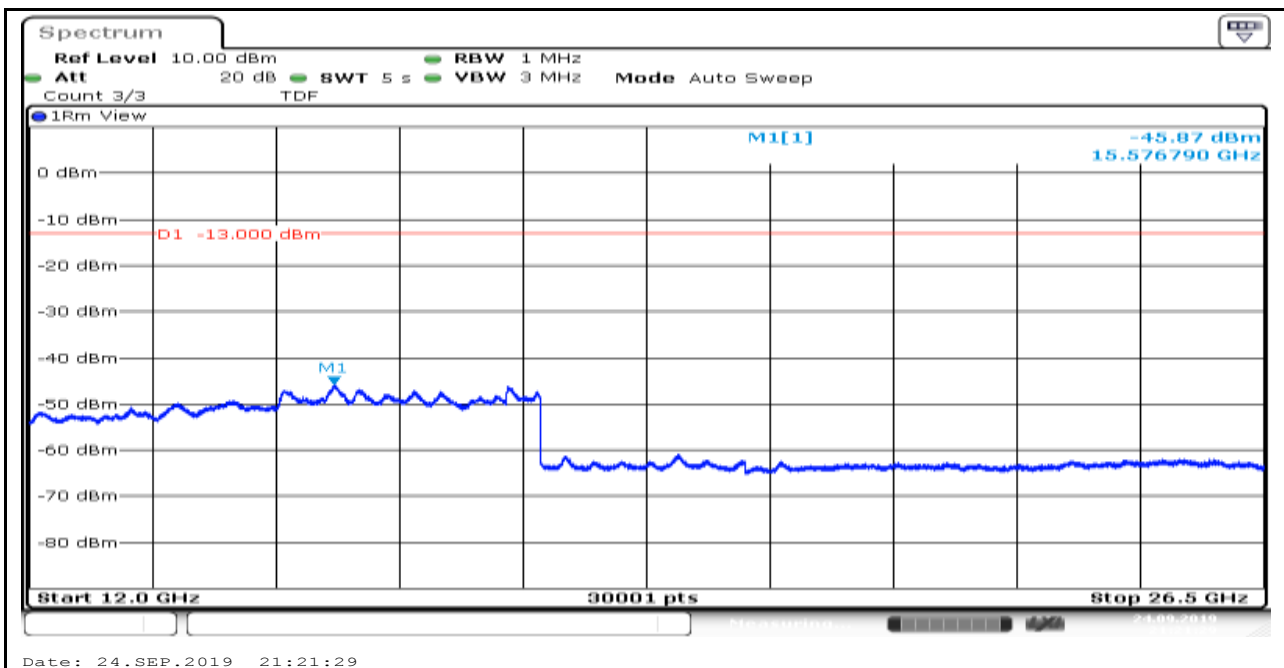
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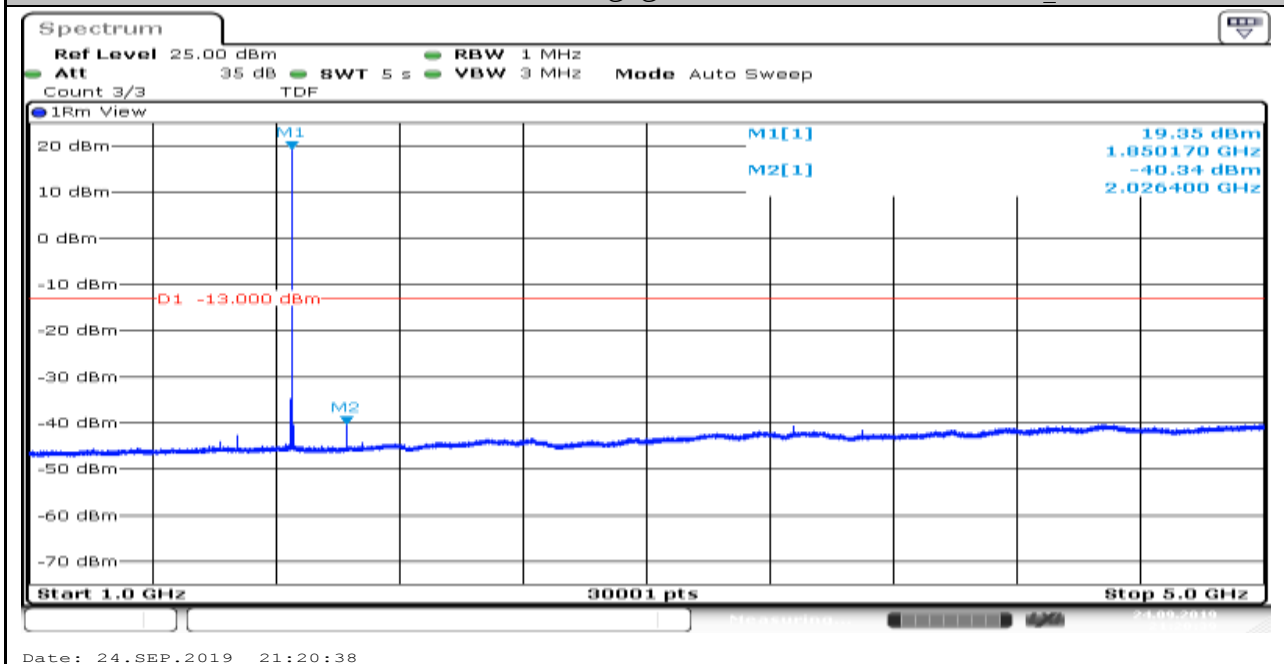
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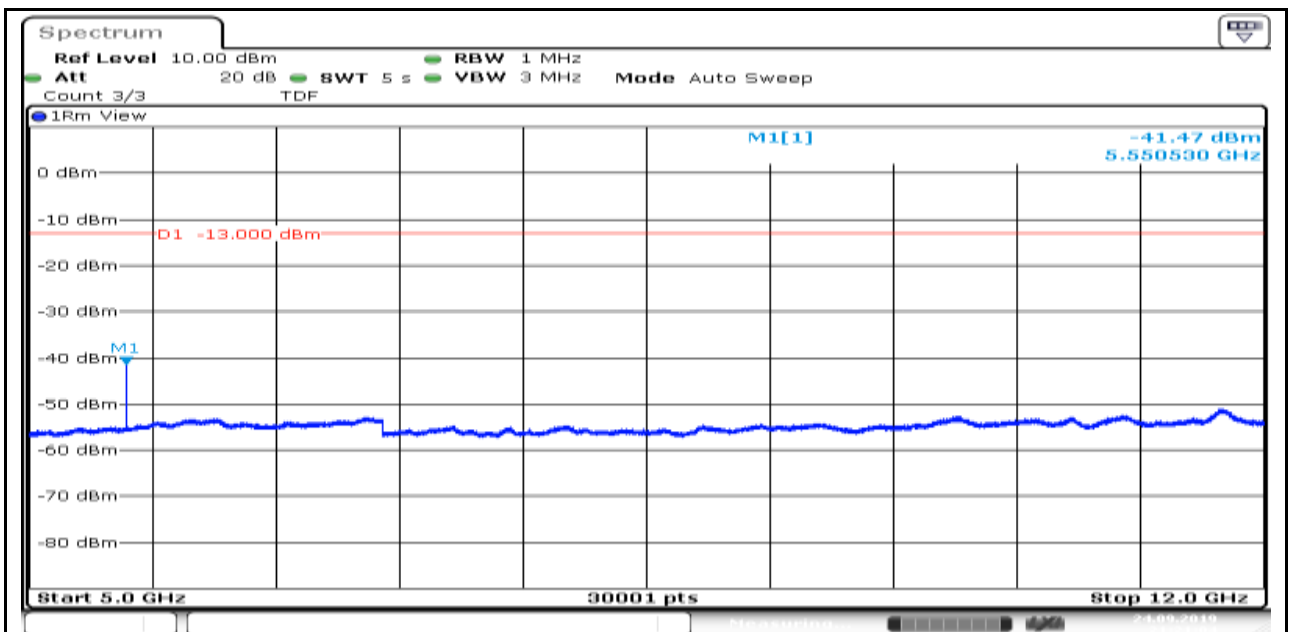
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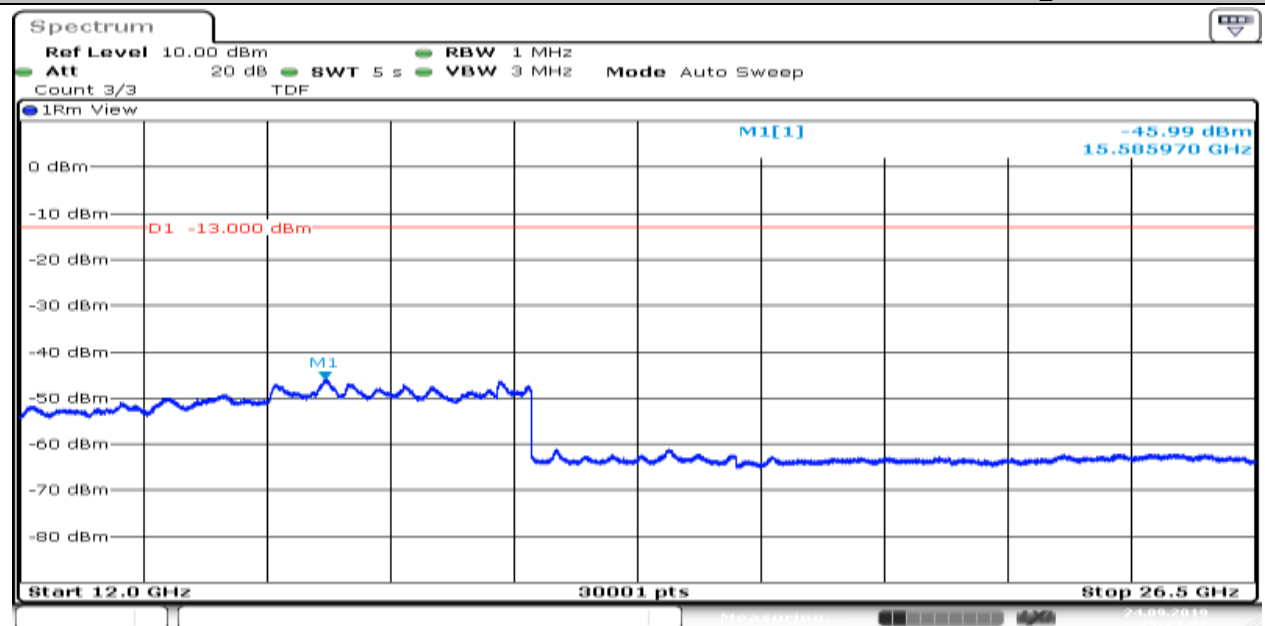
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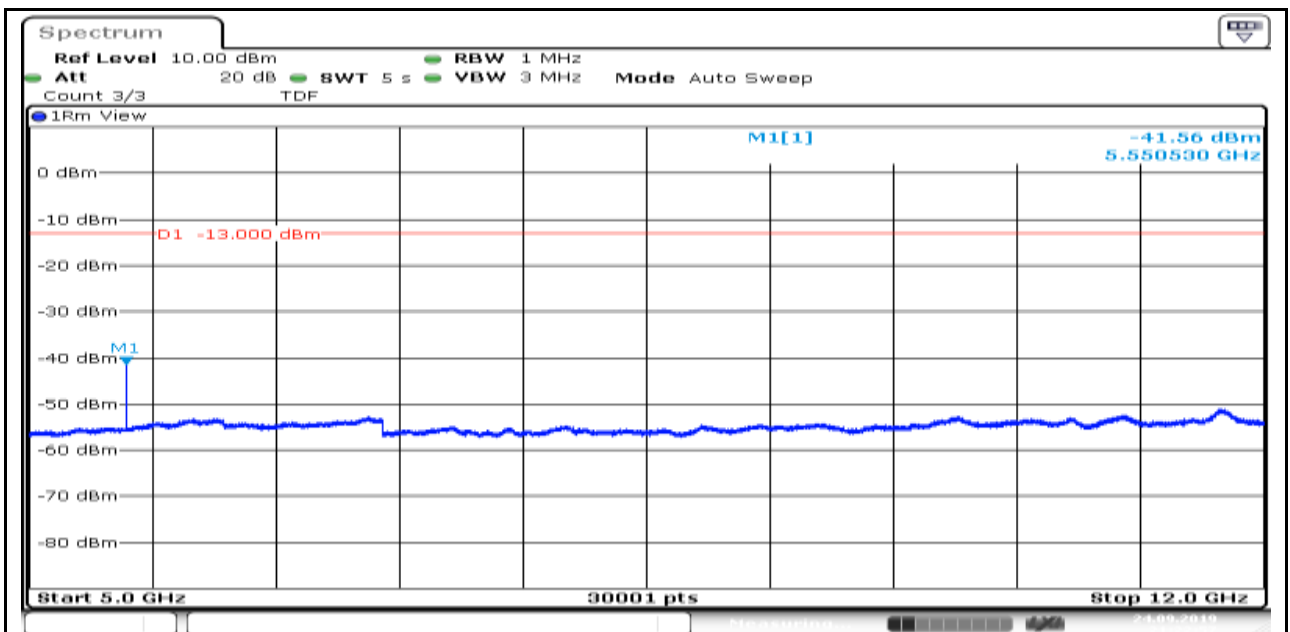
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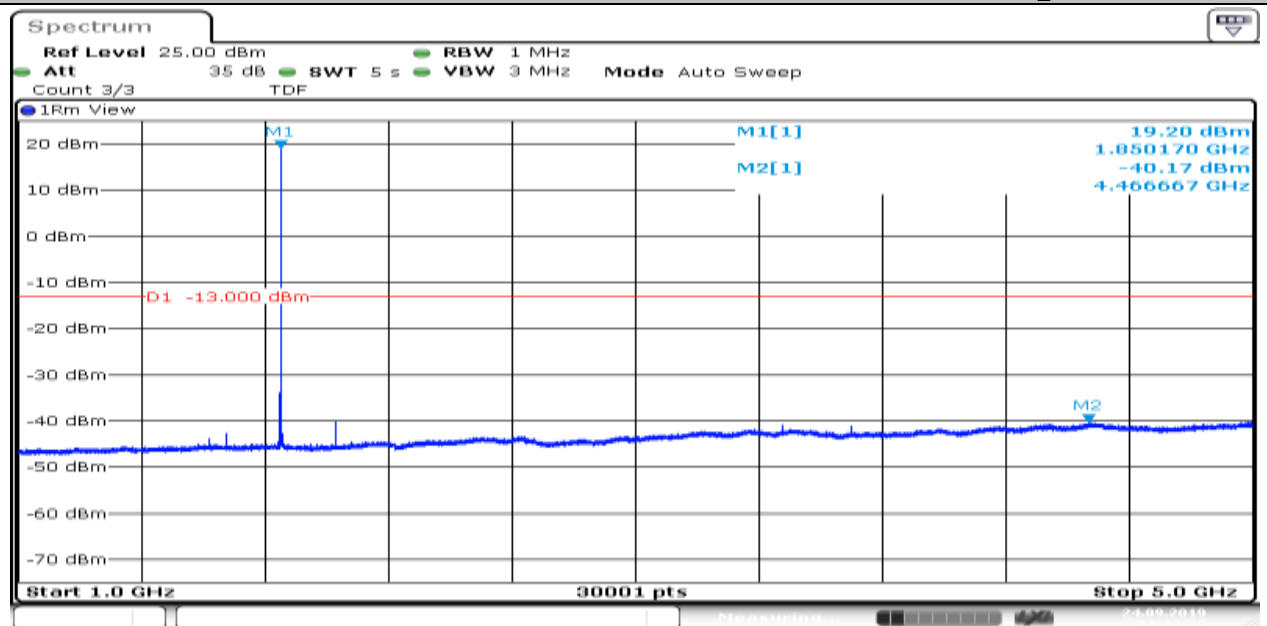
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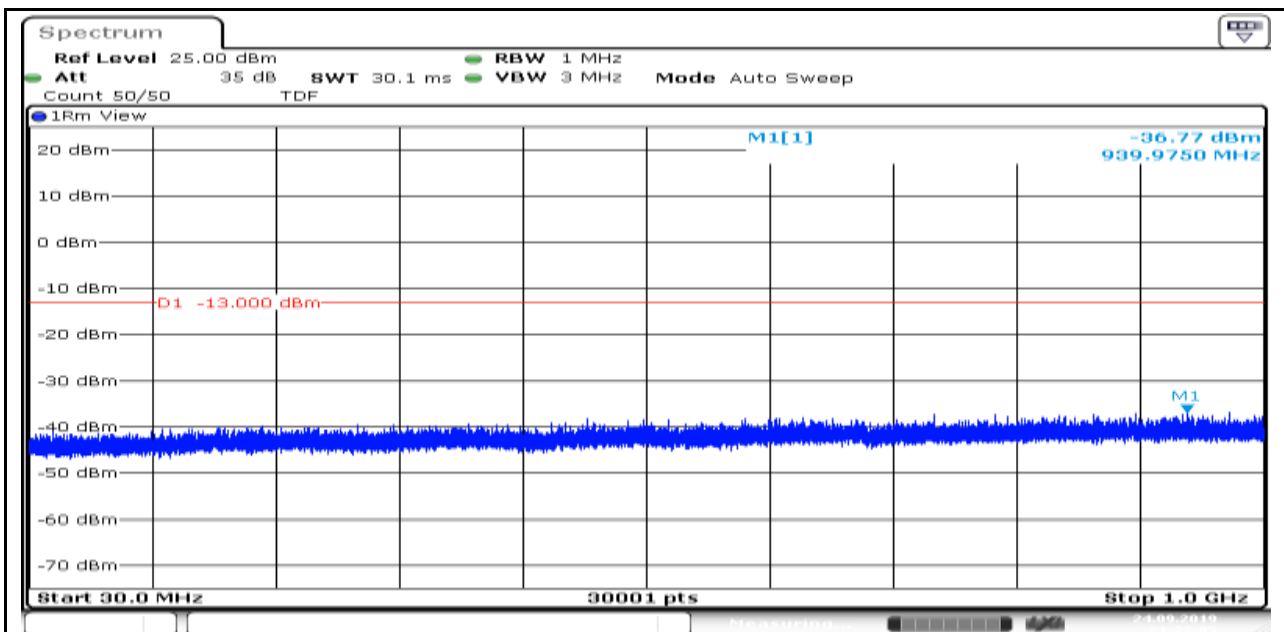
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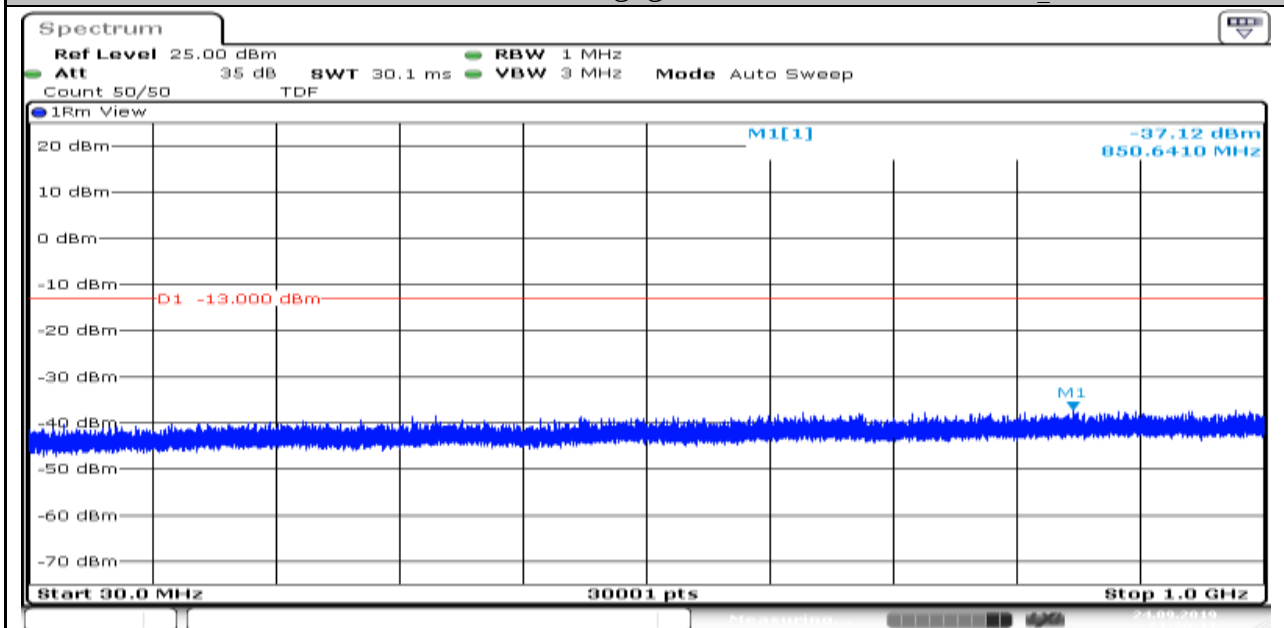
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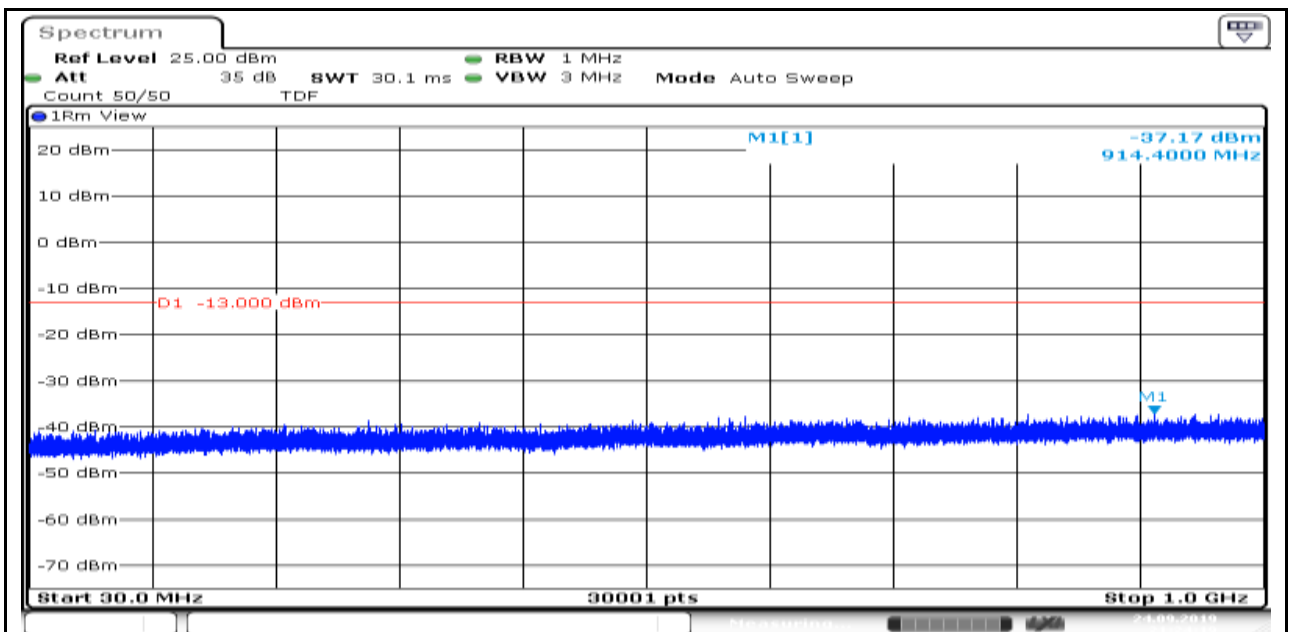
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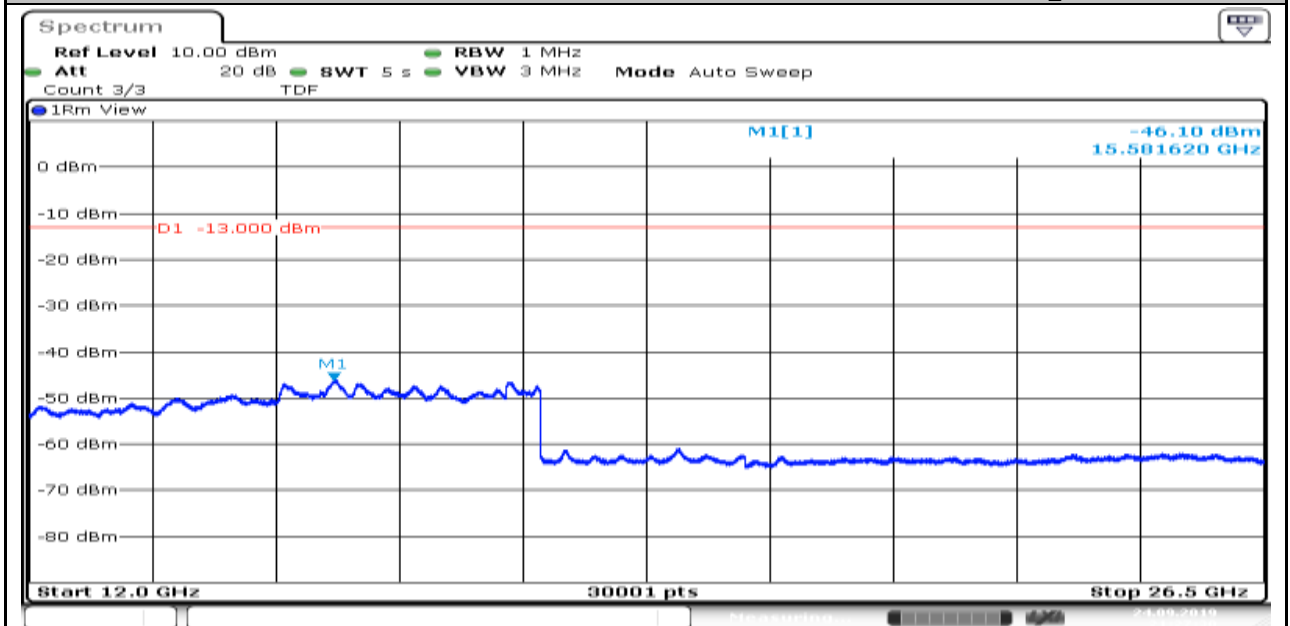
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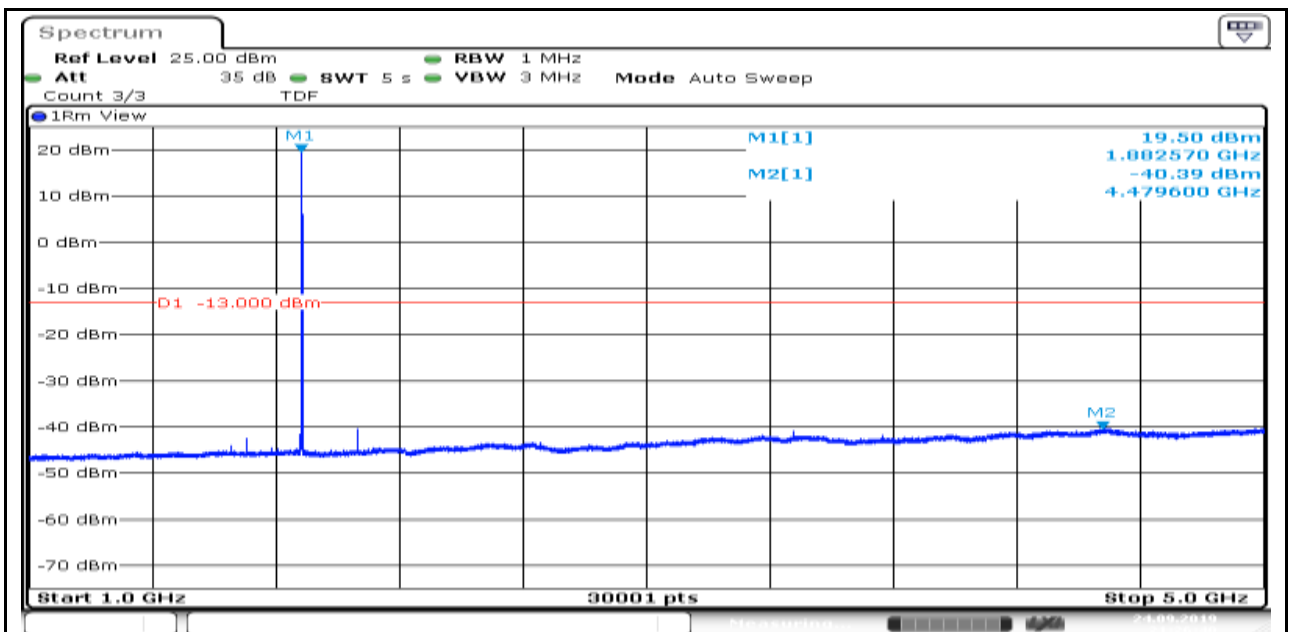
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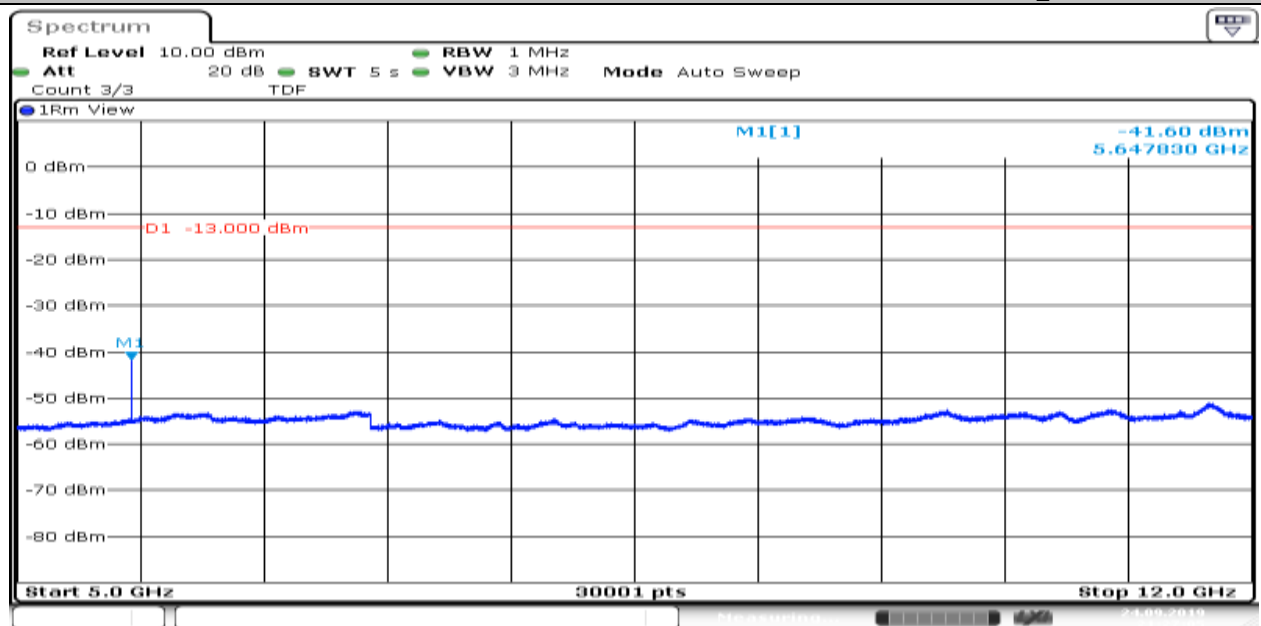
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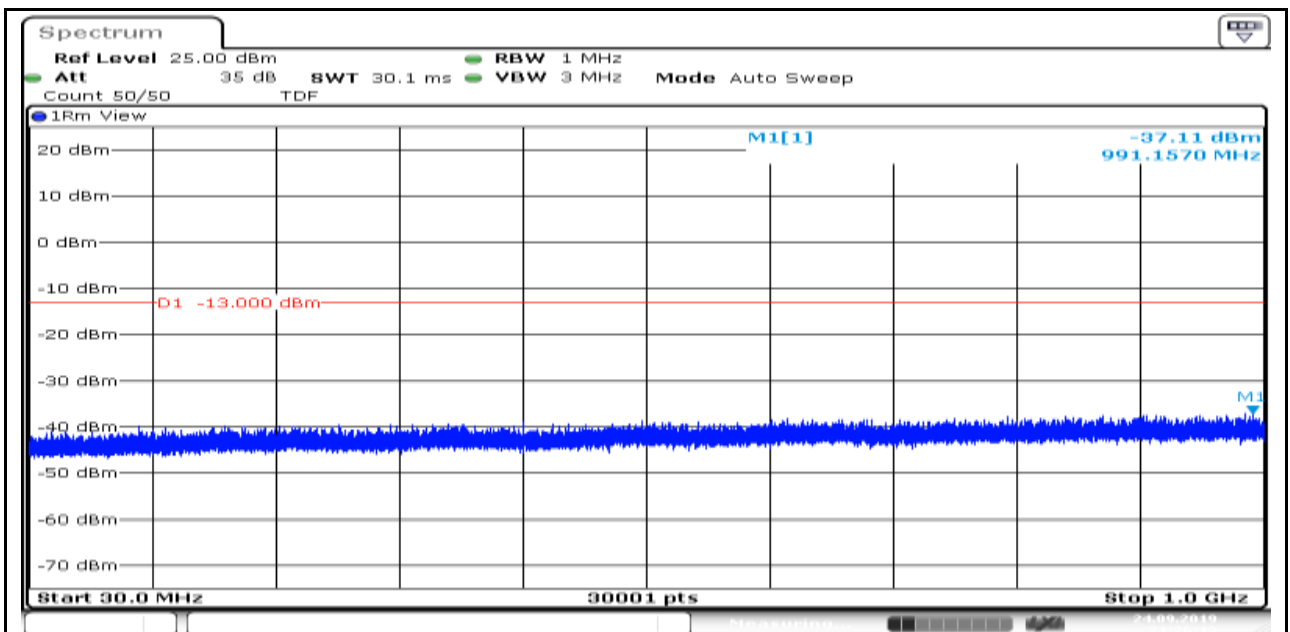
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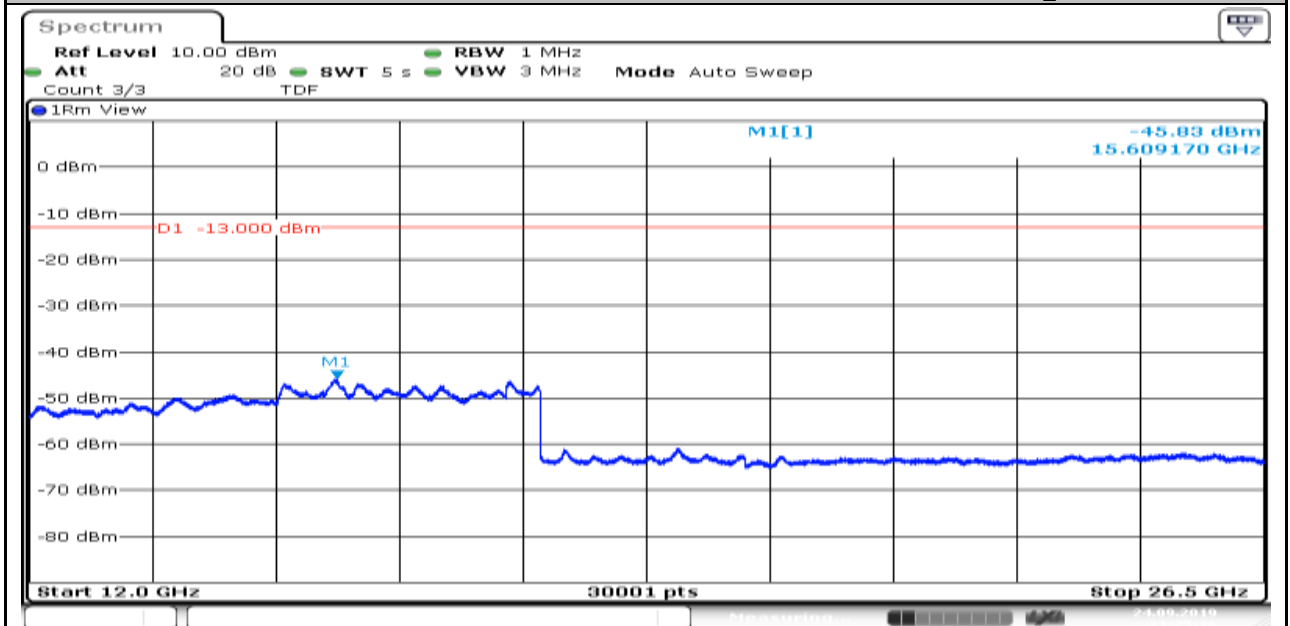
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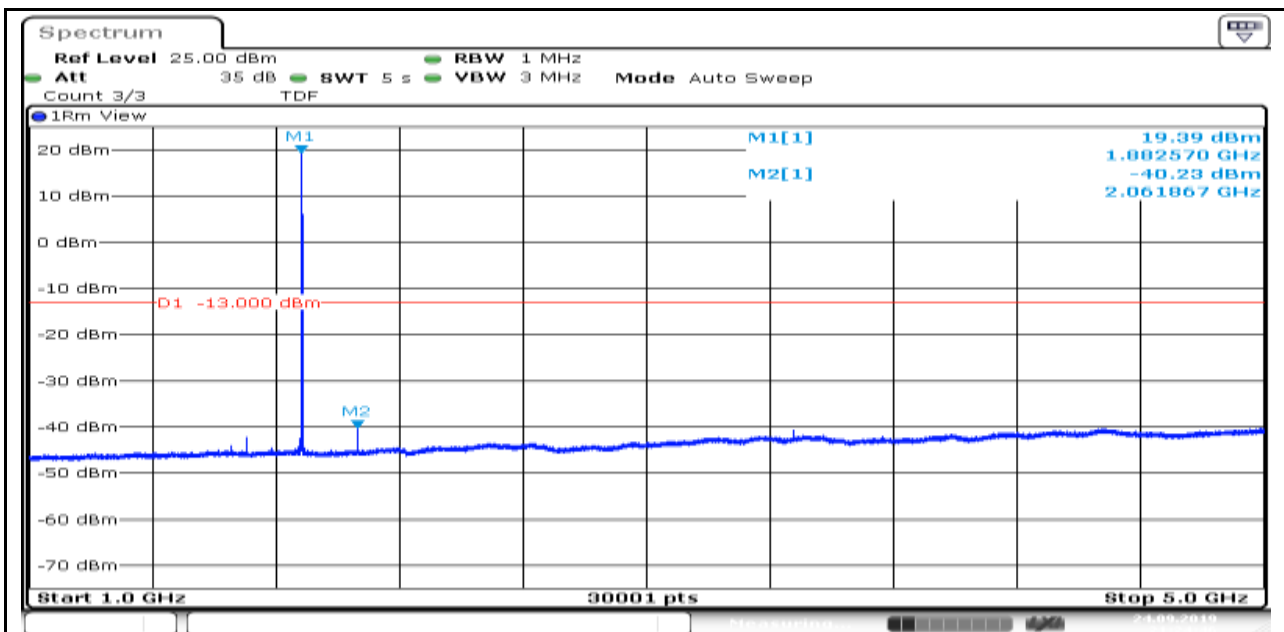
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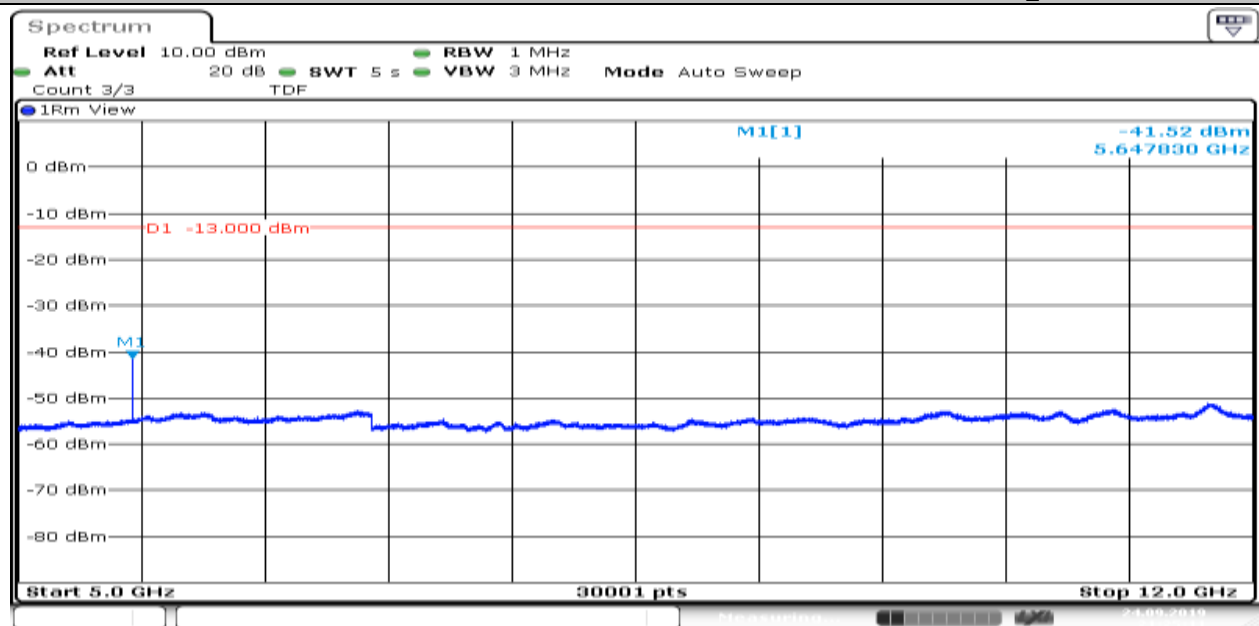
Band25_Stand-Alone_NaN_BPSK_26365_1@0_15kHz_12000_26500_12000-26500MHz@-45.83dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26365-1@0@15kHz-BPSK-NTNV-2019924201729.Gif_



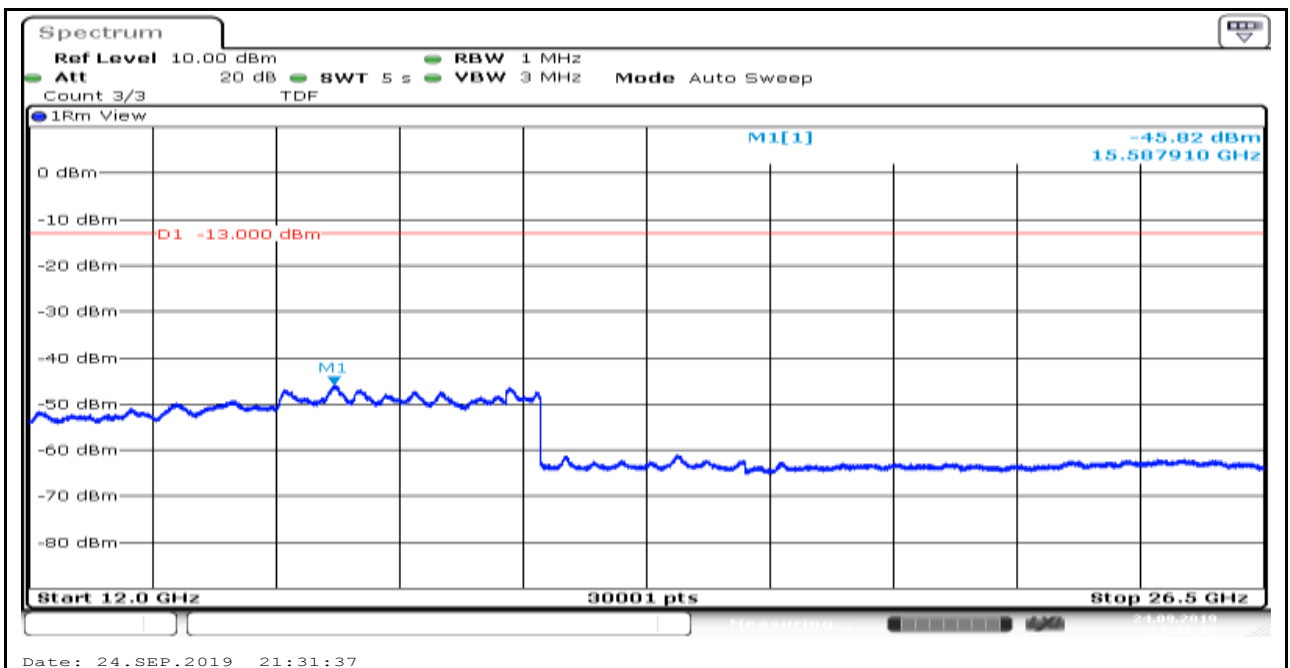
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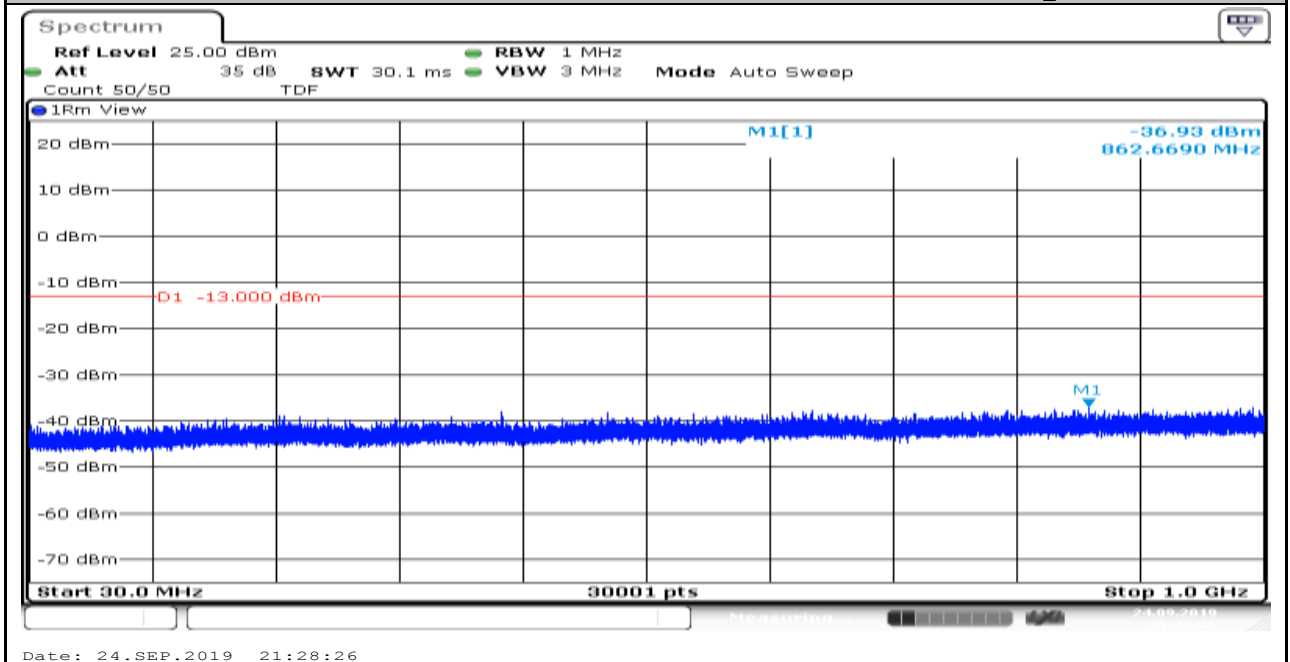
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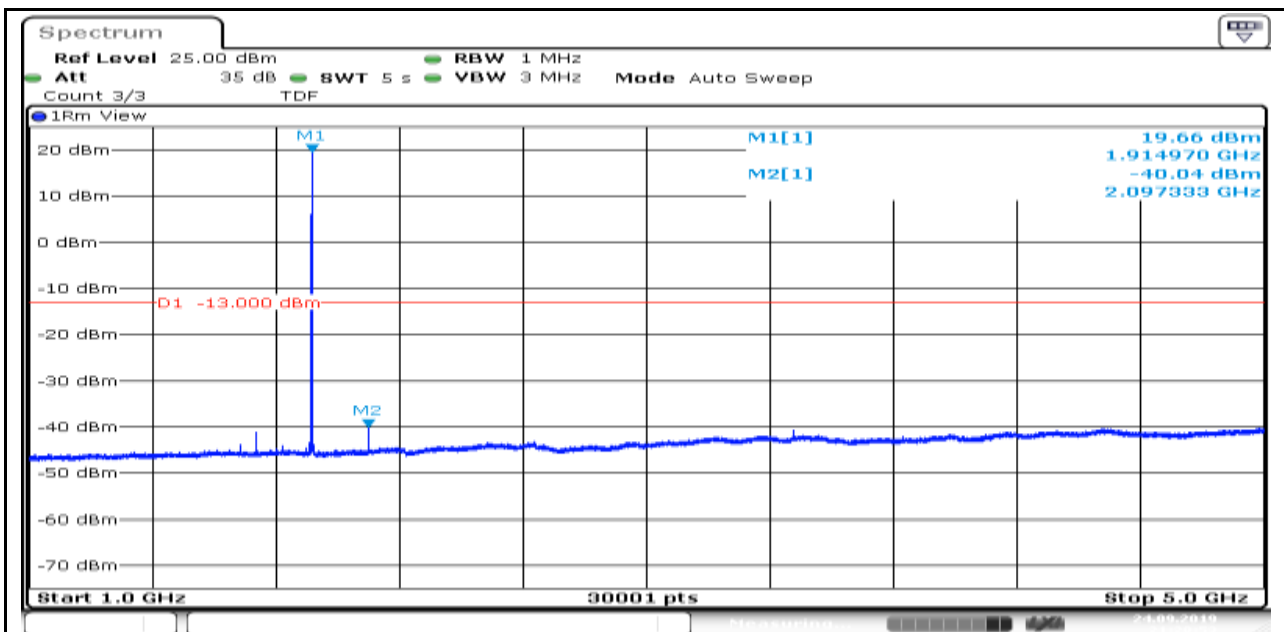
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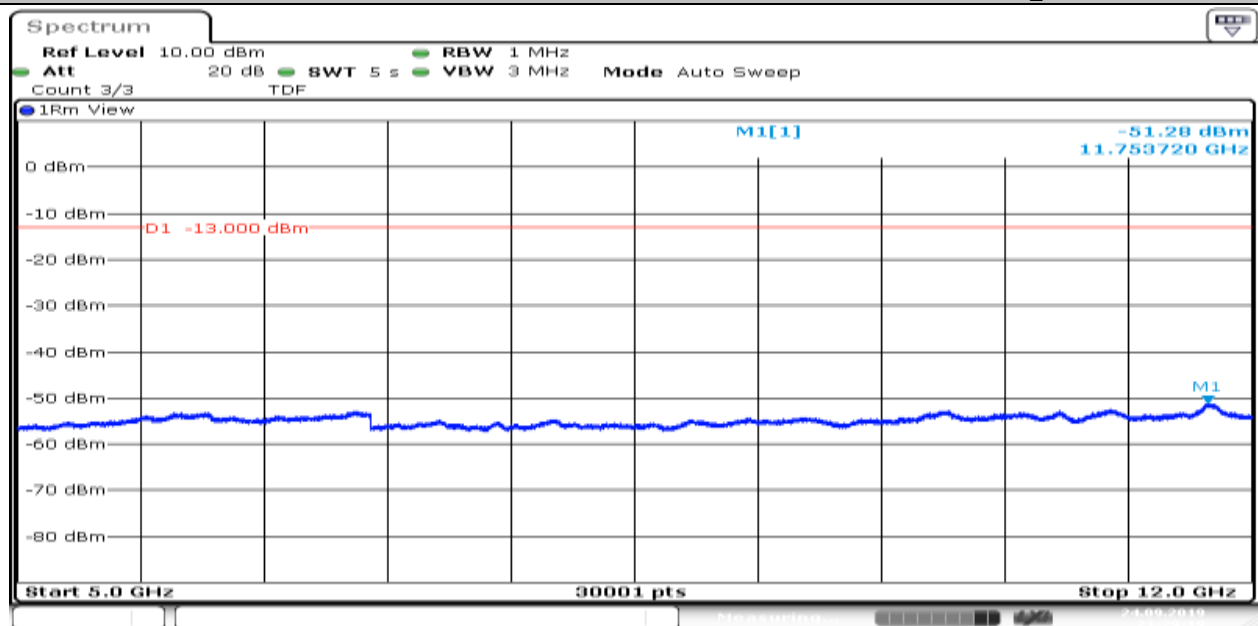
Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_30_1000_30-1000MHz@-36.93dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26689-1@0@15kHz-BPSK-NTNV-2019924202019.Gif_



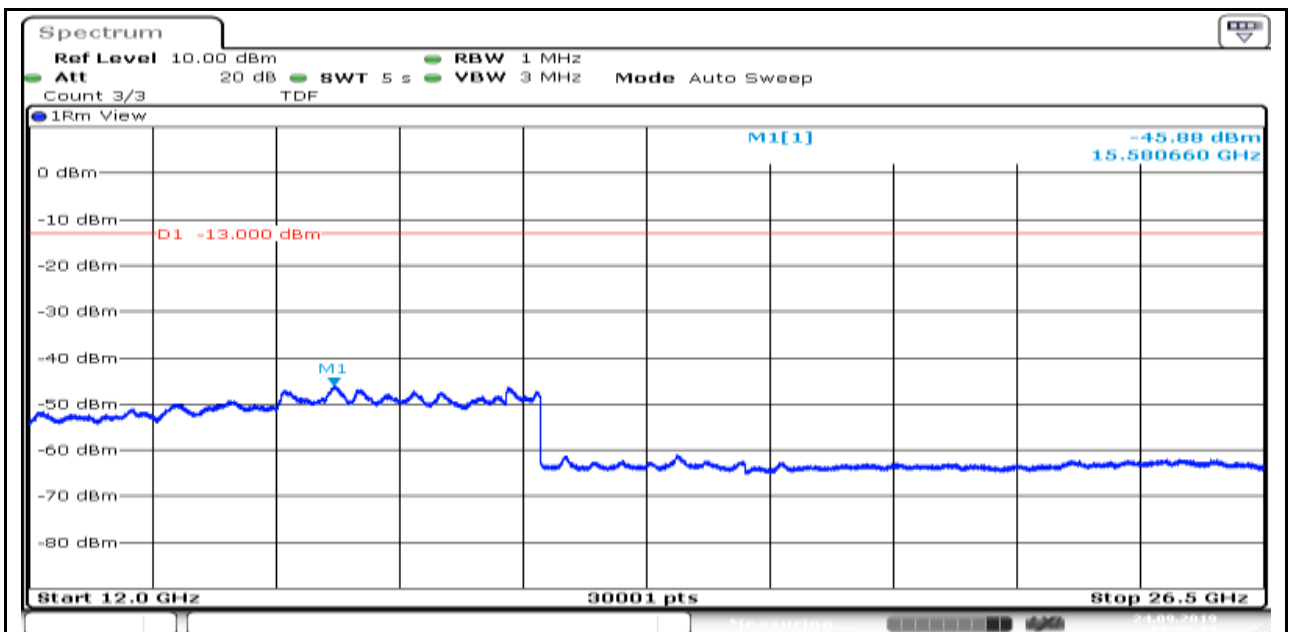
Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_1000_5000_1000-5000MHz@-40.04dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26689-1@0@15kHz-BPSK-NTNV-2019924202046.Gif_



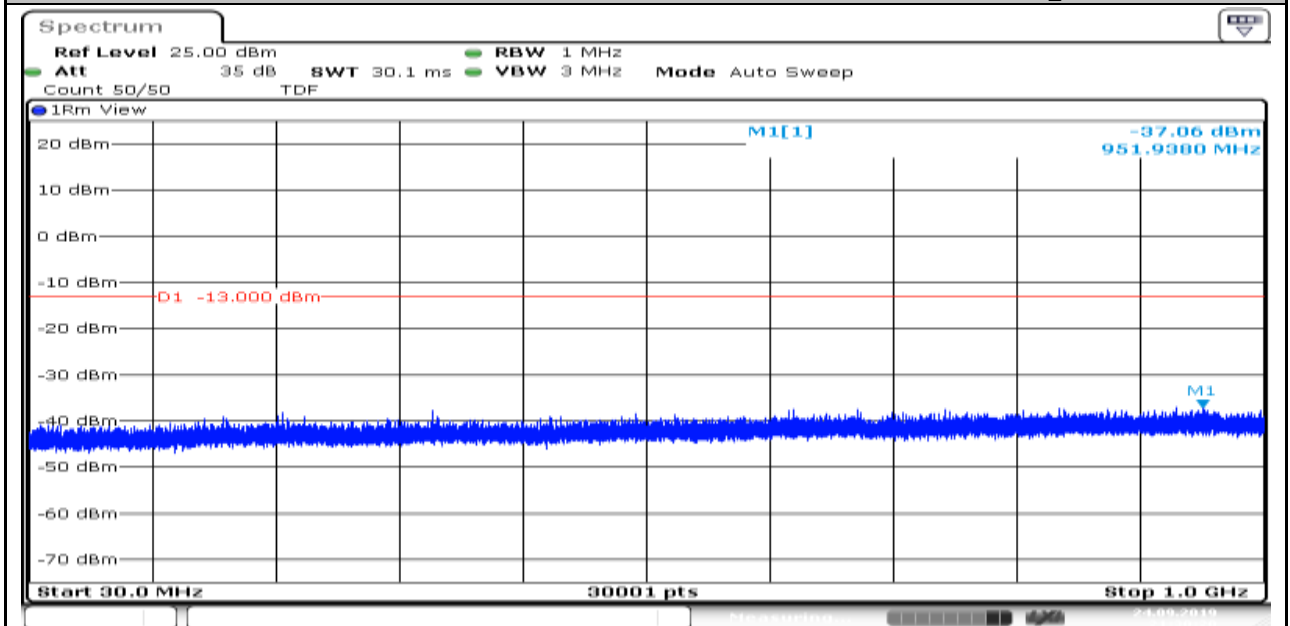
Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_5000_12000_5000~12000MHz@-51.28dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26689-1@0@15kHz-BPSK-NTNV-2019924202111.Gif_



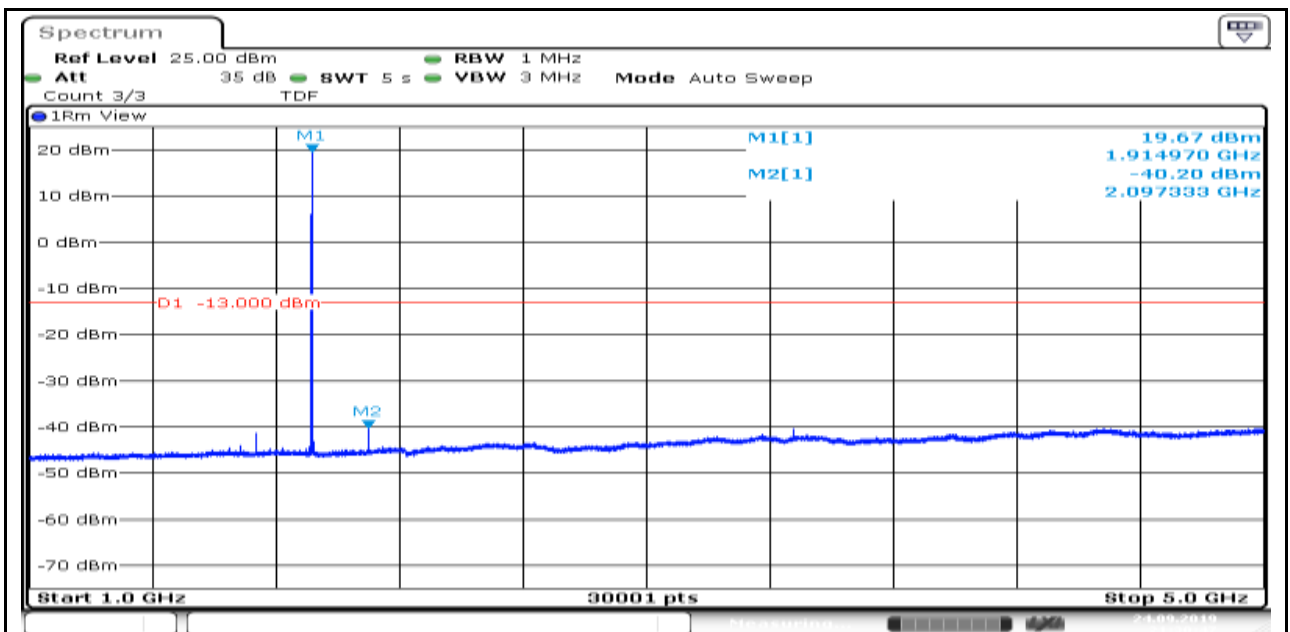
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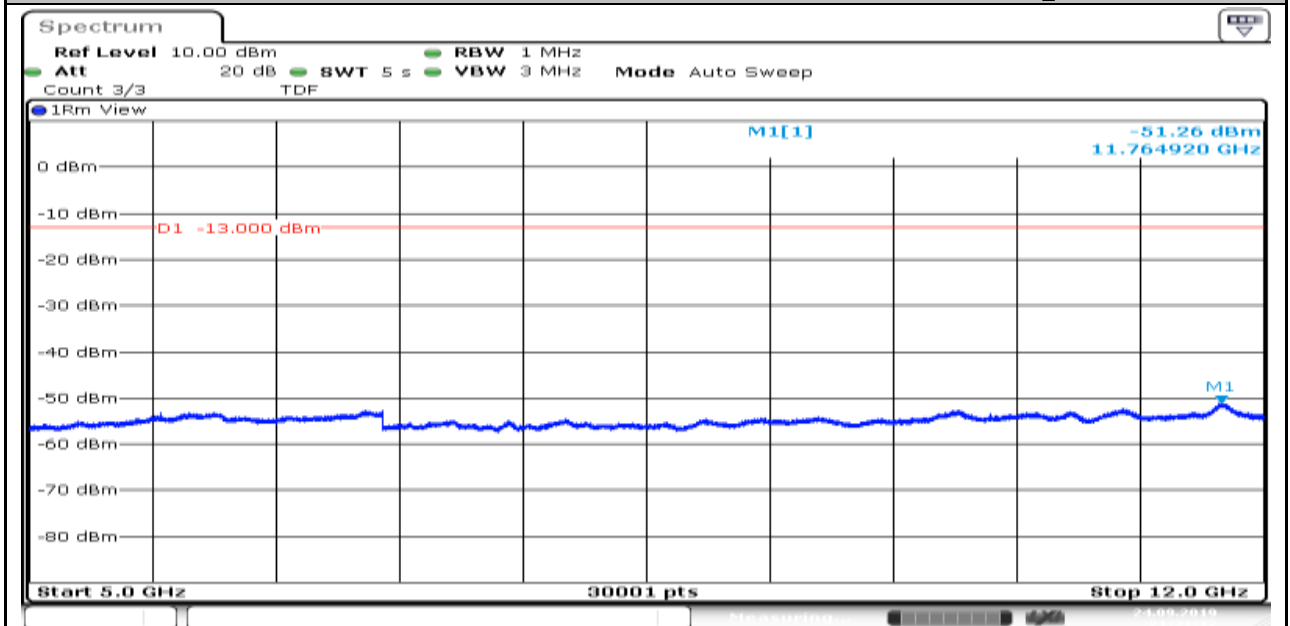
Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_30_1000_30~1000MHz@-37.06dBm_-13_PASS_FCC_ME910G1\FCC_NB_IOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26689-1@11@15kHz-BPSK-NTNV-2019924202213.Gif_



Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_1000_5000_1000~5000MHz@-40.2dBm_-13_PASS_FCC_ME910G1\FCC_NB_IOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category NB-Band25-Stand-Alone-NaN-26689-1@11@15kHz-BPSK-NTNV-2019924202240.Gif_



Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_5000_12000_5000~12000MHz@-51.26dBm_-13_PASS_FCC_ME910G1\F
CC_NBIOT_eMTC_NVNT\Band25\Spurious emission at antenna terminals for category
NB-Band25-Stand-Alone-NaN-26689-1@11@15kHz-BPSK-NTNV-201992420235.Gif_



Appendix F.6: Frequency Stability for NB Test Result

Voltage												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	HV	NT	-21.17	-0.011246	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	LV	NT	-13.15	-0.006985	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	NT	-33.92	-0.018019	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	HV	NT	-36.86	-0.019580	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	LV	NT	-31.90	-0.016946	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	NT	-33.35	-0.017716	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	HV	NT	-59.28	-0.031490	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	LV	NT	-53.69	-0.028521	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	NT	-50.84	-0.027007	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	HV	NT	-44.00	-0.023373	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	LV	NT	-59.94	-0.031841	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	NT	-51.86	-0.027548	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	50	-39.68	-0.021078	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	-30	-52.56	-0.027920	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	30	-64.59	-0.034311	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	20	-42.37	-0.022507	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	10	-58.88	-0.031278	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	0	-32.06	-0.017031	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	-10	-37.95	-0.020159	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	50	-52.63	-0.027958	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	-30	-44.73	-0.023761	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	-30	-24.45	-0.012988	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	40	-42.27	-0.022454	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	30	-39.35	-0.020903	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	20	-37.24	-0.019782	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	10	-33.87	-0.017992	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	0	-63.00	-0.033466	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	-10	-57.65	-0.030624	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	-20	-55.62	-0.029546	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	-20	-39.54	-0.021004	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	50	-25.91	-0.013764	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	40	-33.85	-0.017981	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	30	-28.27	-0.015017	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	20	-19.91	-0.010576	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	10	-15.78	-0.008382	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	0	-14.19	-0.007538	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	-10	-12.93	-0.006869	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	40	-56.83	-0.030189	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	-30	-26.46	-0.014056	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	50	9.41	0.004999	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	40	-21.86	-0.011612	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	30	-32.44	-0.017232	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	20	-27.91	-0.014826	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	10	-16.21	-0.008611	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	0	-32.97	-0.017514	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	-10	-23.19	-0.012319	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	-20	-11.33	-0.006019	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	-20	-30.94	-0.016436	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	-40	-45.62	-0.024234	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	60	-34.63	-0.018396	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	70	-39.87	-0.021179	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	80	-40.33	-0.021424	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	85	-35.49	-0.018853	±2.5	PASS

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Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	-40	-31.81	-0.016898	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	60	-31.76	-0.016871	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	70	-27.29	-0.014497	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	3.75kHz	NV	-40	-43.72	-0.023224	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	85	-20.16	-0.010709	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	85	-43.75	-0.023240	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	60	-49.08	-0.026072	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	70	-47.02	-0.024977	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	80	-61.17	-0.032494	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@0	15kHz	NV	85	-44.65	-0.023718	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	-40	-38.34	-0.020367	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	60	-51.48	-0.027347	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	70	-42.89	-0.022784	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@11	15kHz	NV	80	-58.48	-0.031065	±2.5	PASS
Band25	Stand-Alone	NaN	QPSK	26365	1@47	3.75kHz	NV	80	-32.97	-0.017514	±2.5	PASS

Appendix G: Test Results of Band 26 Lower Band for NB-IoT operation

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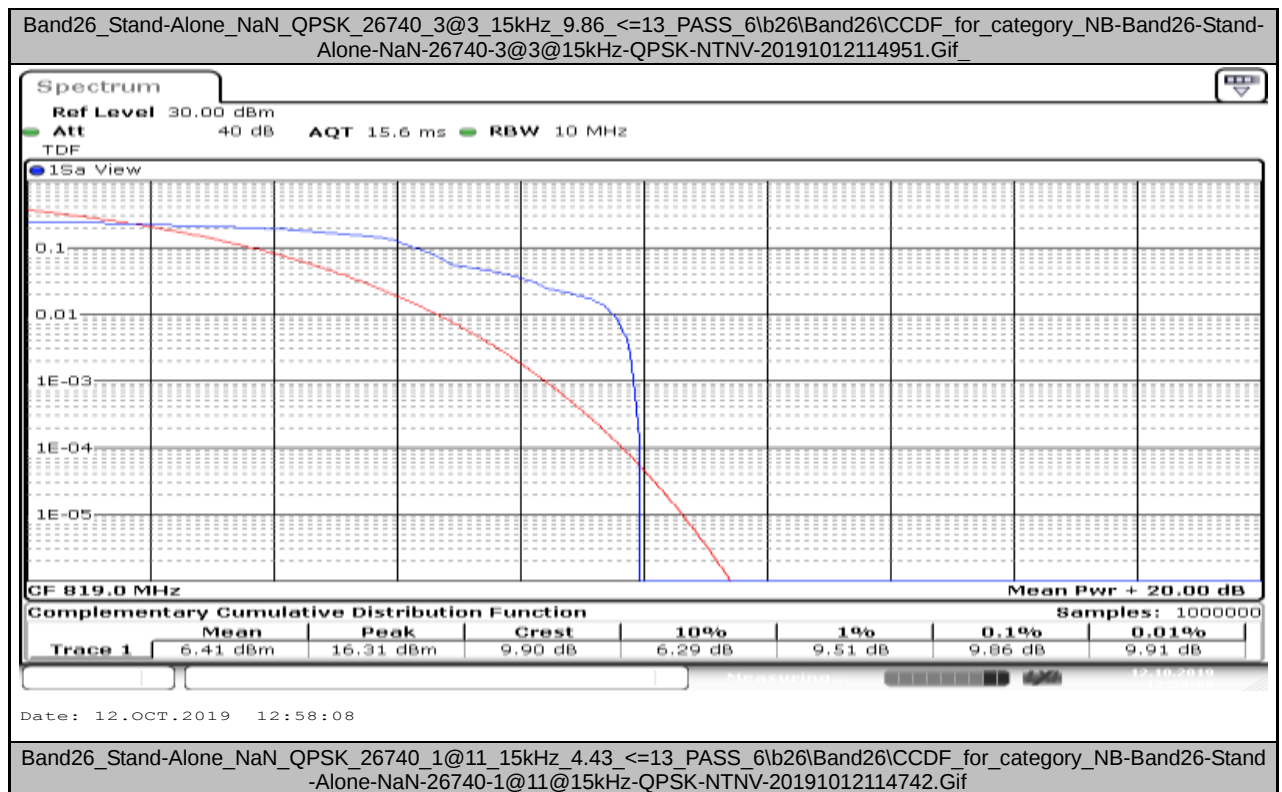
Appendix G.1: RF Power Output and Effective (Isotropic) Radiated Power Output Data for NB Test Result

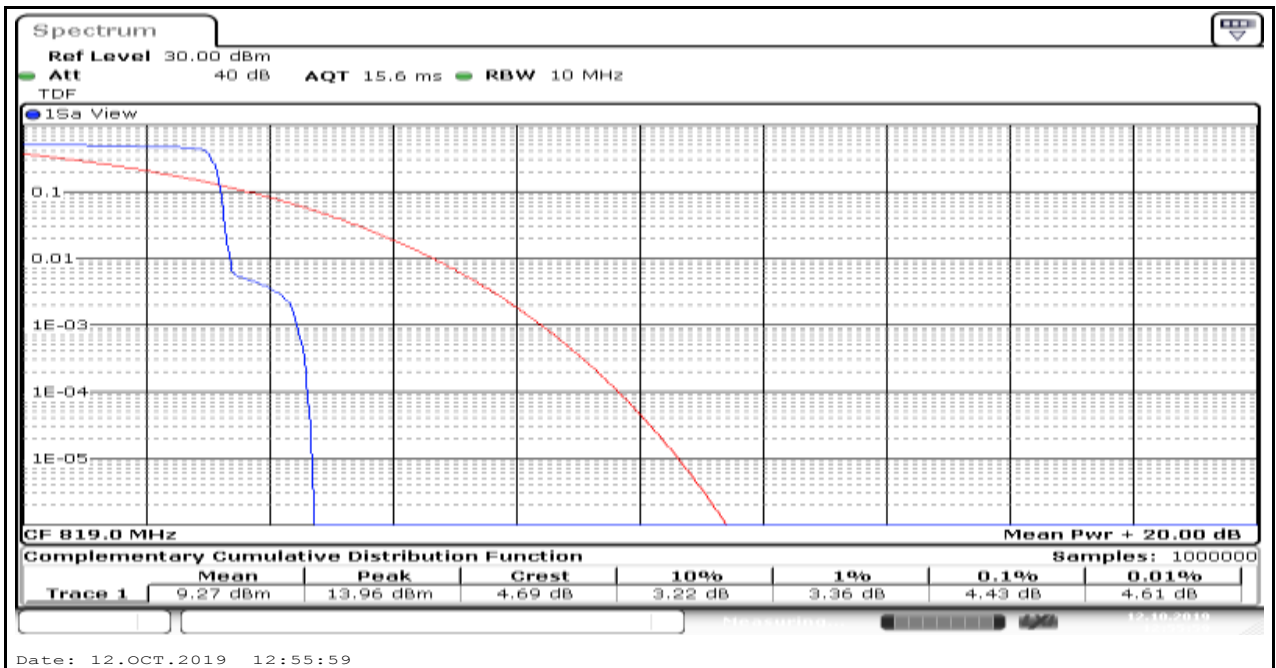
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result		Limit (watts)	Verdict
							dBm	Watts		
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	5.55	0.004	100	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	15kHz	5.46	0.004	100	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@11	15kHz	5.38	0.003	100	PASS
Band26	Stand-Alone	NaN	QPSK	26691	3@3	15kHz	5.35	0.003	100	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	5.63	0.004	100	PASS
Band26	Stand-Alone	NaN	QPSK	26692	1@0	3.75kHz	20.1	0.102	100	PASS
Band26	Stand-Alone	NaN	QPSK	26692	1@47	3.75kHz	20.02	0.100	100	PASS
Band26	Stand-Alone	NaN	QPSK	26692	3@3	15kHz	20.69	0.117	100	PASS
Band26	Stand-Alone	NaN	QPSK	26692	1@11	15kHz	20.5	0.112	100	PASS
Band26	Stand-Alone	NaN	QPSK	26692	1@0	15kHz	20.58	0.114	100	PASS
Band26	Stand-Alone	NaN	QPSK	26740	3@3	15kHz	20.79	0.120	100	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	20.4	0.110	100	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	20.54	0.113	100	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	19.96	0.099	100	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	20.16	0.104	100	PASS
Band26	Stand-Alone	NaN	QPSK	26788	1@11	15kHz	20.44	0.111	100	PASS
Band26	Stand-Alone	NaN	QPSK	26788	1@0	15kHz	20.53	0.113	100	PASS
Band26	Stand-Alone	NaN	QPSK	26788	3@3	15kHz	20.67	0.117	100	PASS
Band26	Stand-Alone	NaN	QPSK	26788	1@0	3.75kHz	20.13	0.103	100	PASS
Band26	Stand-Alone	NaN	QPSK	26788	1@47	3.75kHz	20.06	0.101	100	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	15kHz	5.47	0.004	100	PASS
Band26	Stand-Alone	NaN	QPSK	26789	3@3	15kHz	5.4	0.003	100	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@11	15kHz	5.42	0.003	100	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	5.64	0.004	100	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	5.57	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	5.4	0.003	100	PASS
Band26	Stand-Alone	NaN	BPSK	26691	3@3	15kHz	5.35	0.003	100	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@47	3.75kHz	5.52	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	3.75kHz	5.57	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	5.38	0.003	100	PASS
Band26	Stand-Alone	NaN	BPSK	26692	1@11	15kHz	20.39	0.109	100	PASS
Band26	Stand-Alone	NaN	BPSK	26692	1@0	15kHz	20.44	0.111	100	PASS
Band26	Stand-Alone	NaN	BPSK	26692	1@0	3.75kHz	20.08	0.102	100	PASS
Band26	Stand-Alone	NaN	BPSK	26692	1@47	3.75kHz	20.12	0.103	100	PASS
Band26	Stand-Alone	NaN	BPSK	26692	3@3	15kHz	20.69	0.117	100	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@47	3.75kHz	19.97	0.099	100	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	3.75kHz	20.06	0.101	100	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	20.41	0.110	100	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	20.3	0.107	100	PASS
Band26	Stand-Alone	NaN	BPSK	26740	3@3	15kHz	20.8	0.120	100	PASS
Band26	Stand-Alone	NaN	BPSK	26788	1@47	3.75kHz	20.04	0.101	100	PASS
Band26	Stand-Alone	NaN	BPSK	26788	1@0	3.75kHz	20.1	0.102	100	PASS
Band26	Stand-Alone	NaN	BPSK	26788	3@3	15kHz	20.67	0.117	100	PASS
Band26	Stand-Alone	NaN	BPSK	26788	1@11	15kHz	20.3	0.107	100	PASS
Band26	Stand-Alone	NaN	BPSK	26788	1@0	15kHz	20.38	0.109	100	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	5.49	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26789	3@3	15kHz	5.4	0.003	100	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@47	3.75kHz	5.55	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	3.75kHz	5.6	0.004	100	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	5.44	0.003	100	PASS

Appendix G.2: Peak-to-Average Ratio(CCDF) for NB Test Result

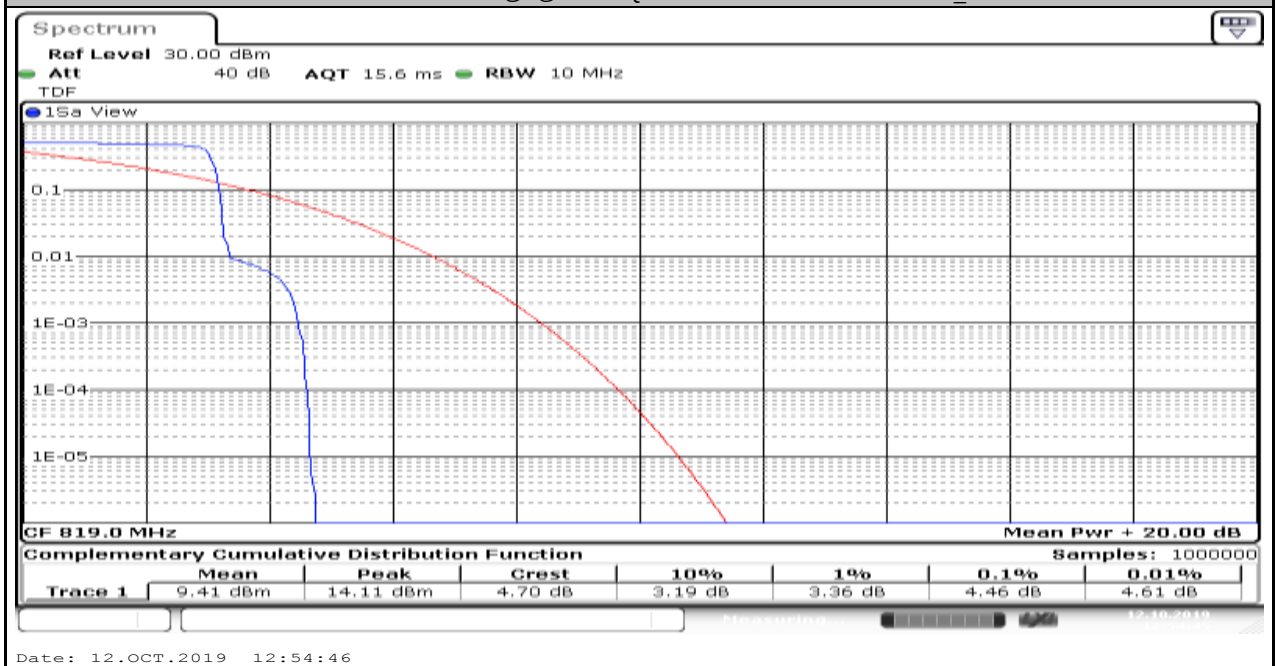
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dB)	Limit (dB)	Verdict
Band26	Stand-Alone	NaN	QPSK	26740	3@3	15kHz	9.86	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	4.43	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	4.46	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	1.74	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	4.32	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	3@3	15kHz	11.19	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	2.2	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	1.54	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@47	3.75kHz	1.97	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	3.75kHz	1.94	<=13	PASS

Test Graphs

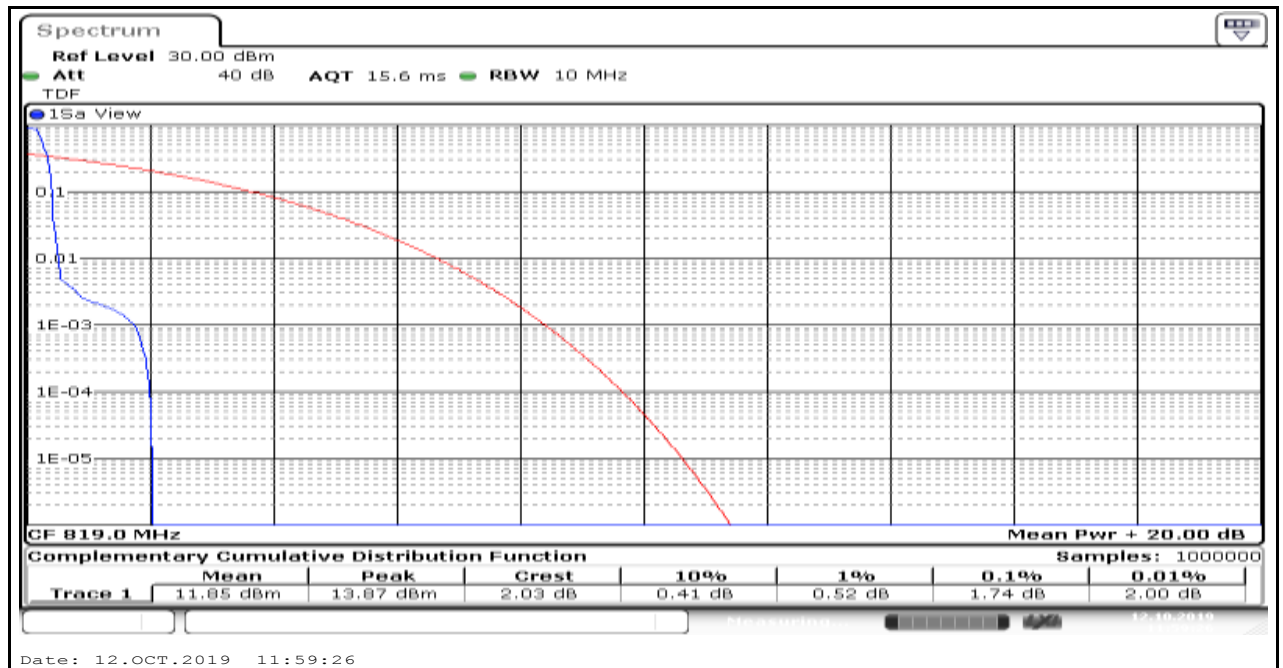




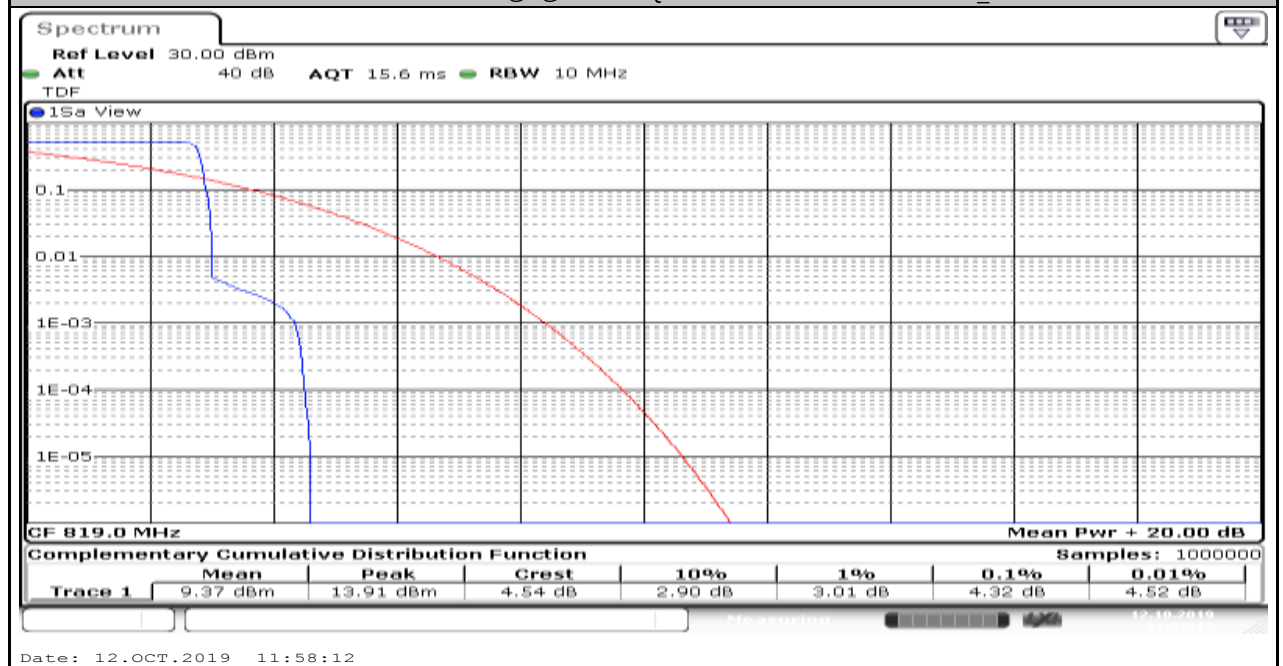
Band26_Stand-Alone_NaN_QPSK_26740_1@0_15kHz_4.46_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-1@0@15kHz-QPSK-NTNV-20191012114629.Gif_



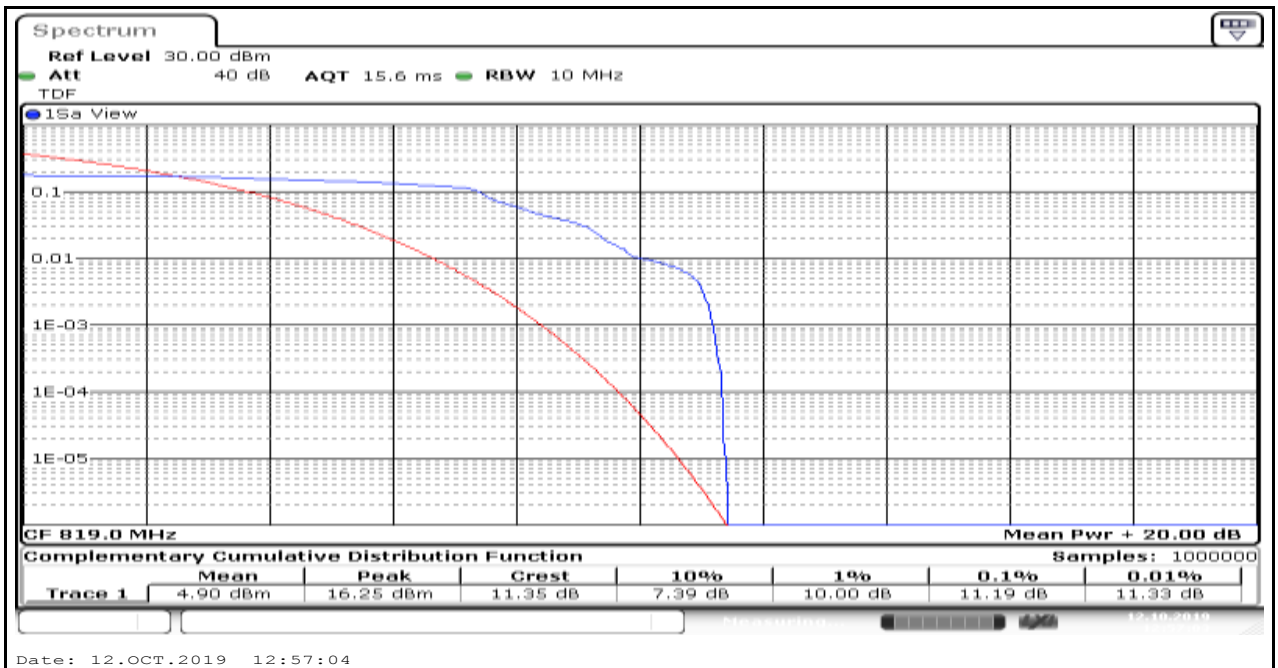
Band26_Stand-Alone_NaN_QPSK_26740_1@47_3.75kHz_1.74_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-1@47@3.75kHz-QPSK-NTNV-2019101210518.Gif_



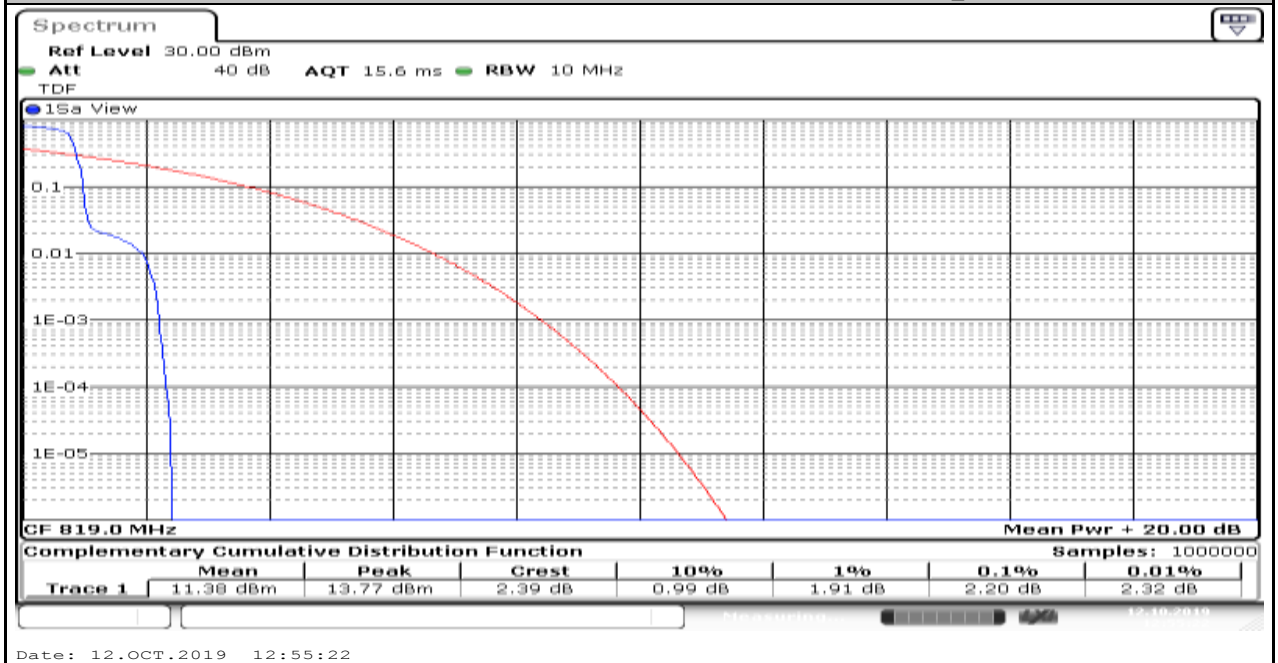
Band26_Stand-Alone_NaN_QPSK_26740_1@0_3.75kHz_4.32 <=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-1@0@3.75kHz-QPSK-NTNV-20191012104954.Gif_



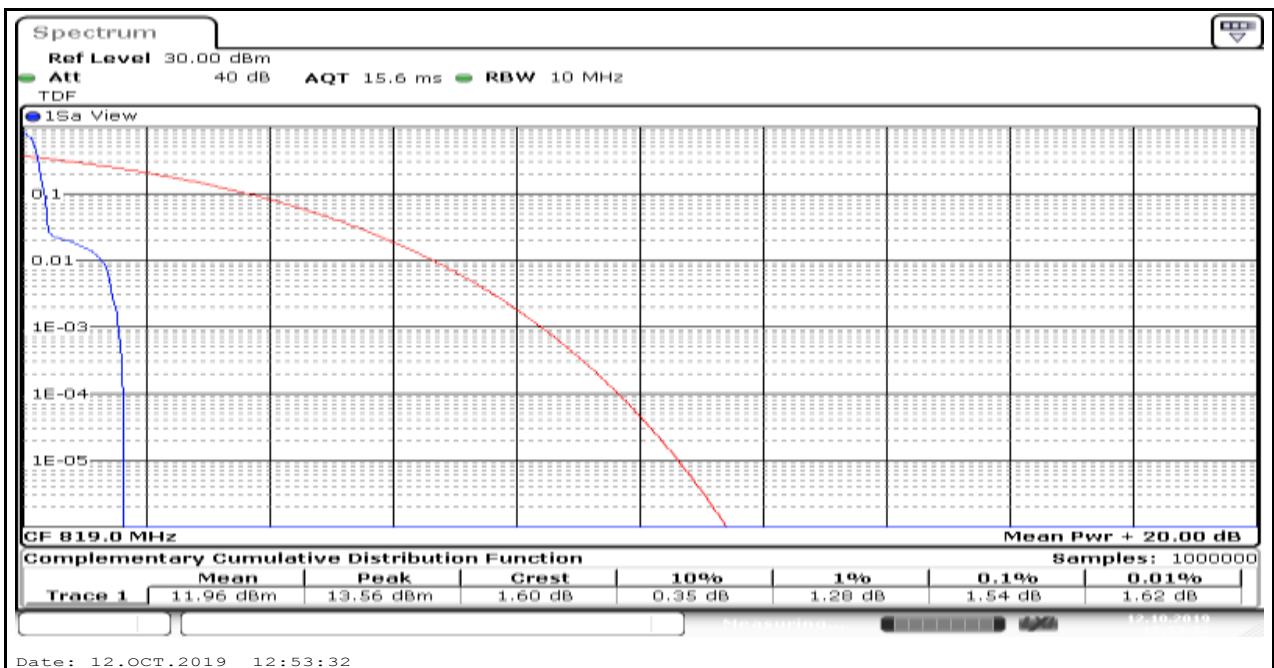
Band26_Stand-Alone_NaN_BPSK_26740_3@3_15kHz_11.19 <=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-3@3@15kHz-BPSK-NTNV-20191012114847.Gif_



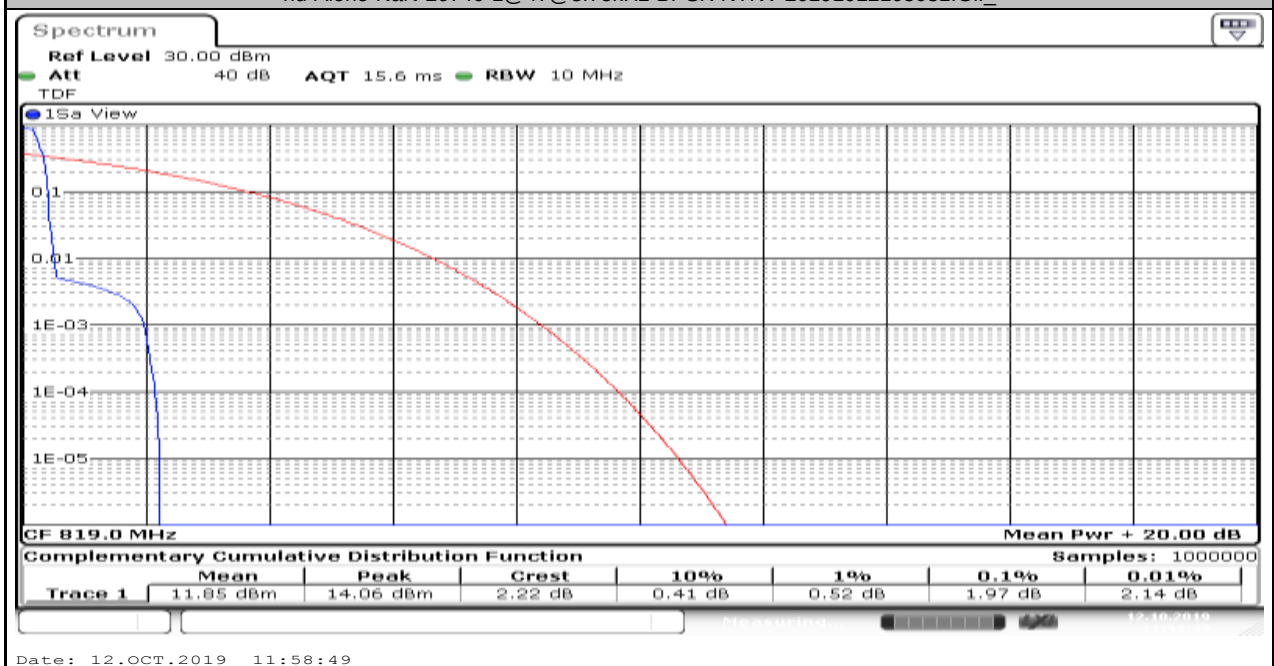
Band26_Stand-Alone_NaN_BPSK_26740_1@11_15kHz_2.2_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-1@11@15kHz-BPSK-NTNV-2019101211475.Gif_



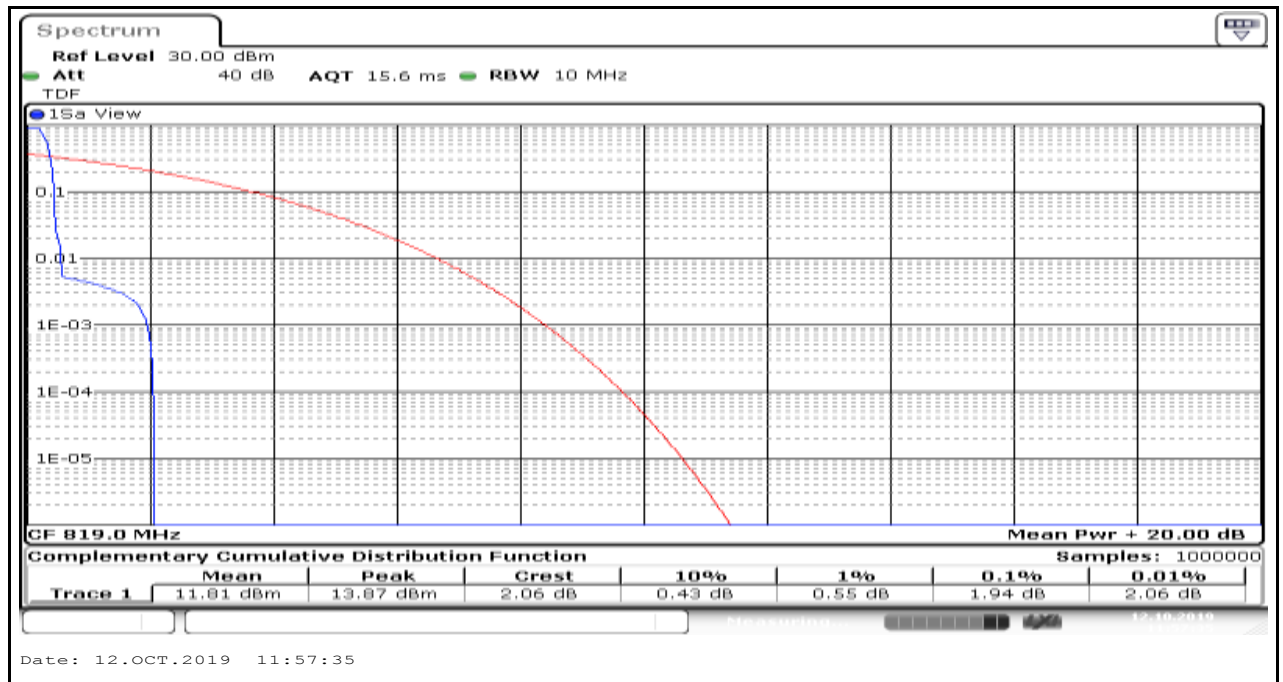
Band26_Stand-Alone_NaN_BPSK_26740_1@0_15kHz_1.54_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26740-1@0@15kHz-BPSK-NTNV-20191012114515.Gif_



Band26_Stand-Alone_NaN_BPSK_26740_1@47_3.75kHz_1.97_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Standard-Alone-NaN-26740-1@47@3.75kHz-BPSK-NTNV-20191012105031.Gif_



Band26_Stand-Alone_NaN_BPSK_26740_1@0_3.75kHz_1.94_<=13_PASS_6\b26\Band26\CCDF_for_category_NB-Band26-Standard-Alone-NaN-26740-1@0@3.75kHz-BPSK-NTNV-20191012104917.Gif_

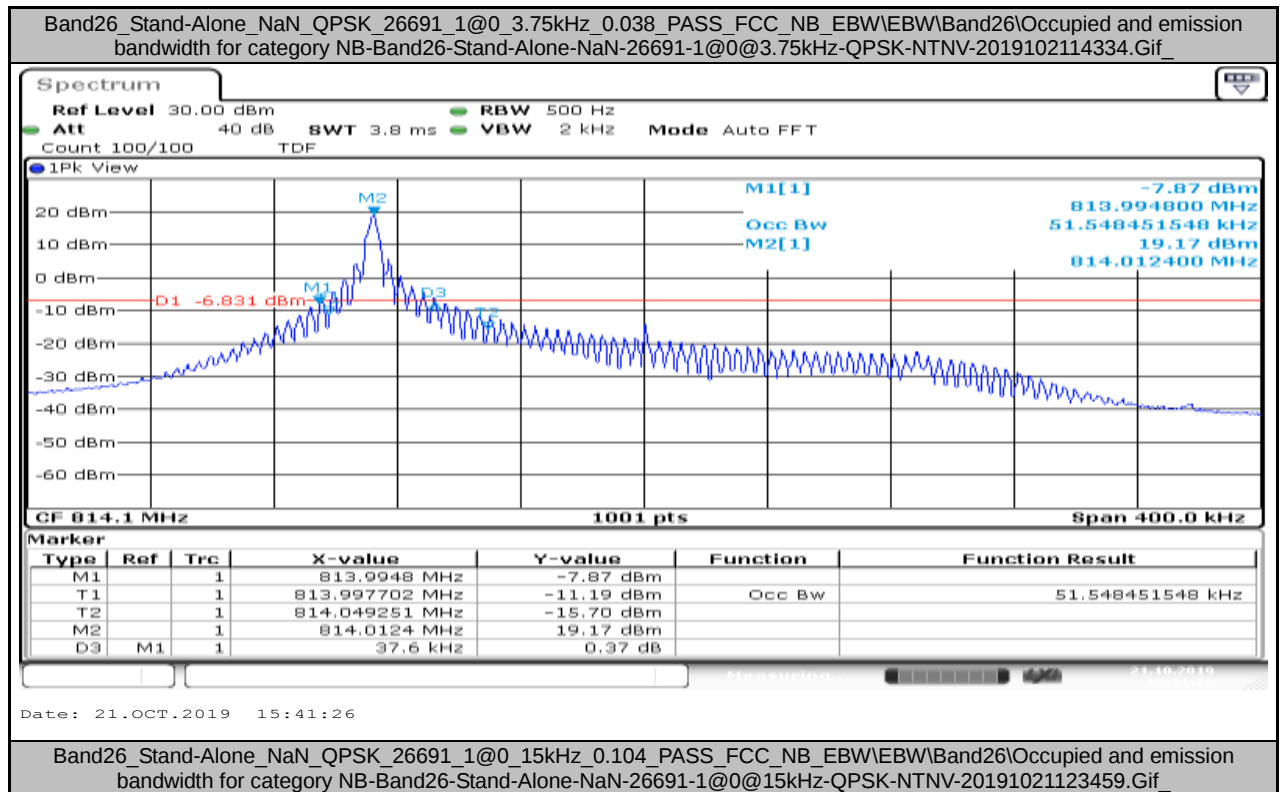


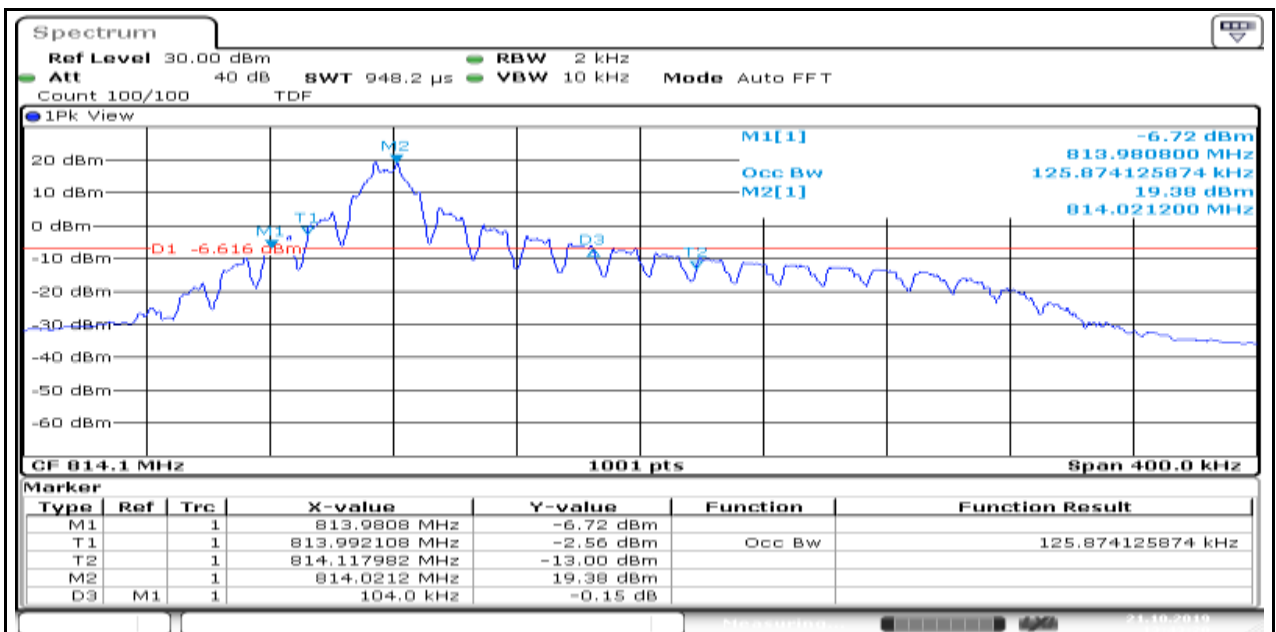
Appendix G.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

Test Result

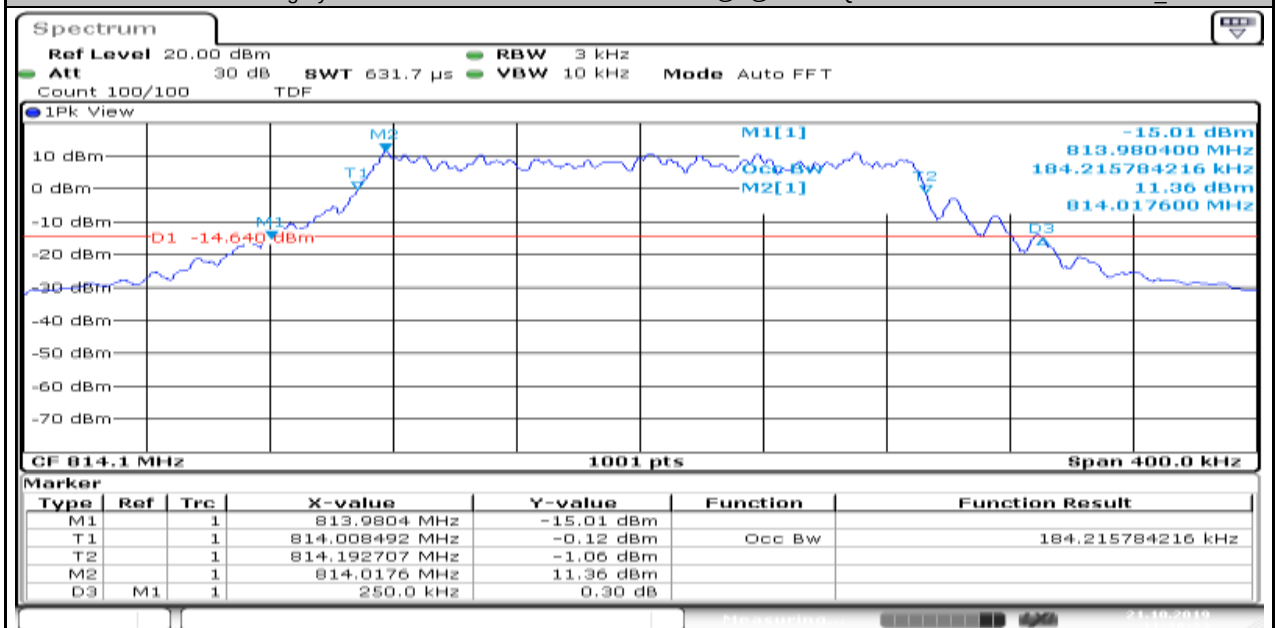
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	Verdict
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	15kHz	0.104	0.126	PASS
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	0.104	0.126	PASS
Band26	Stand-Alone	NaN	QPSK	26740	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	15kHz	0.104	0.123	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	0.104	0.126	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	0.106	0.126	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	0.105	0.126	PASS

Test Graphs

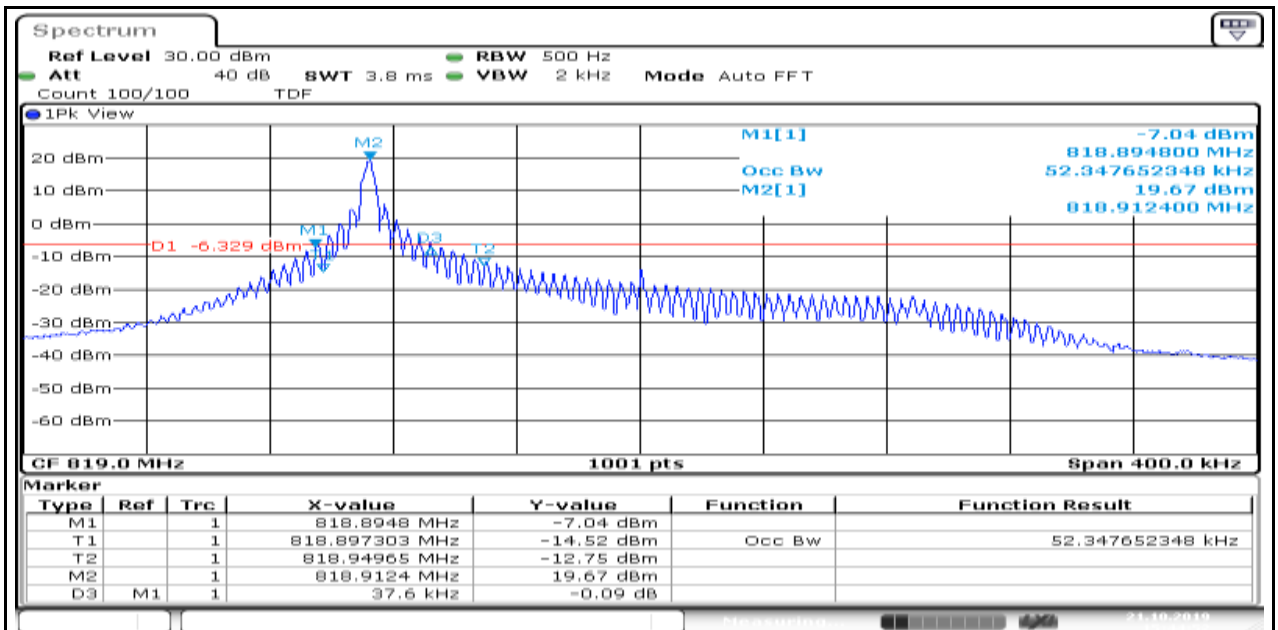




Band26_Stand-Alone_NaN_QPSK_26691_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26691-12@0@15kHz-QPSK-NTNV-2019102110301.Gif_

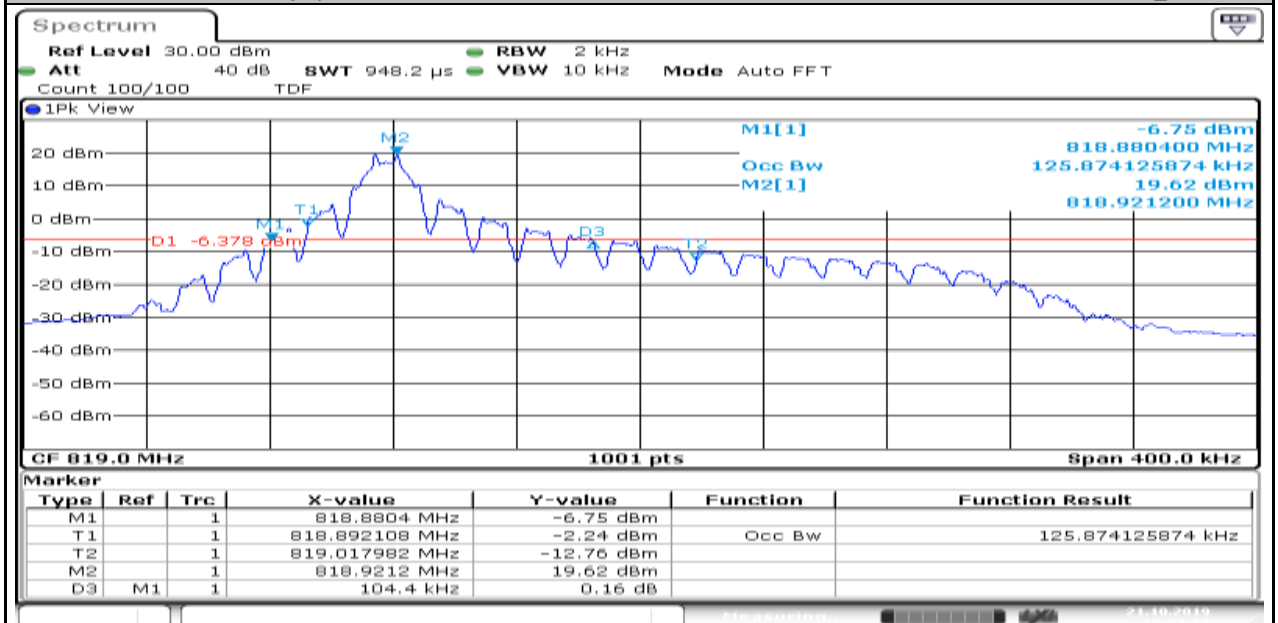


Band26_Stand-Alone_NaN_QPSK_26740_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26740-1@0@3.75kHz-QPSK-NTNV-20191021143630.Gif_



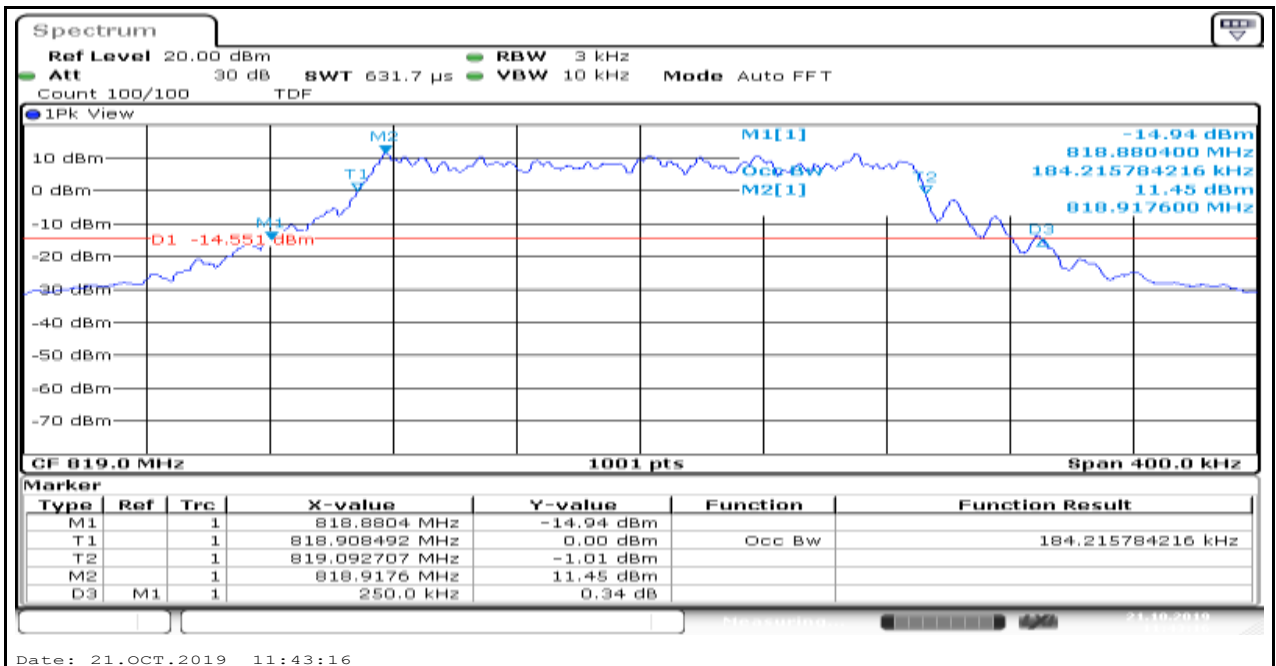
Date: 21.OCT.2019 15:44:52

Band26_Stand-Alone_NaN_QPSK_26740_1@0_15kHz_0.104_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26740-1@0@15kHz-QPSK-NTNV-20191021123556.Gif_

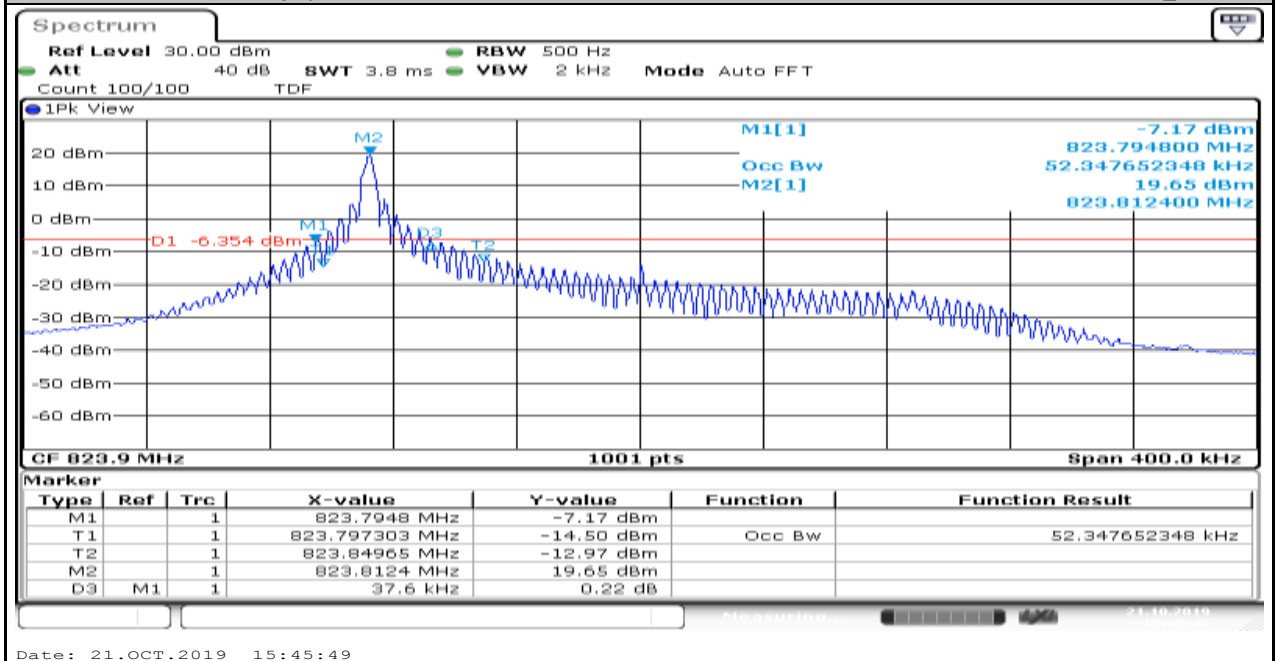


Date: 21.OCT.2019 13:44:18

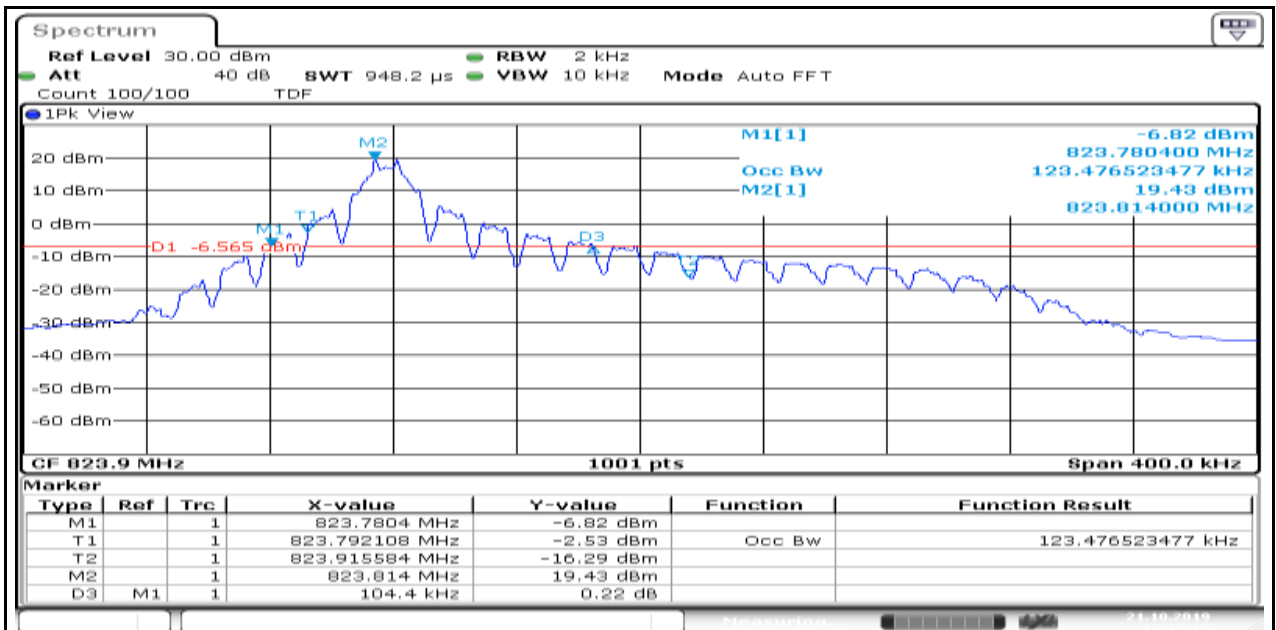
Band26_Stand-Alone_NaN_QPSK_26740_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26740-12@0@15kHz-QPSK-NTNV-20191021103454.Gif_



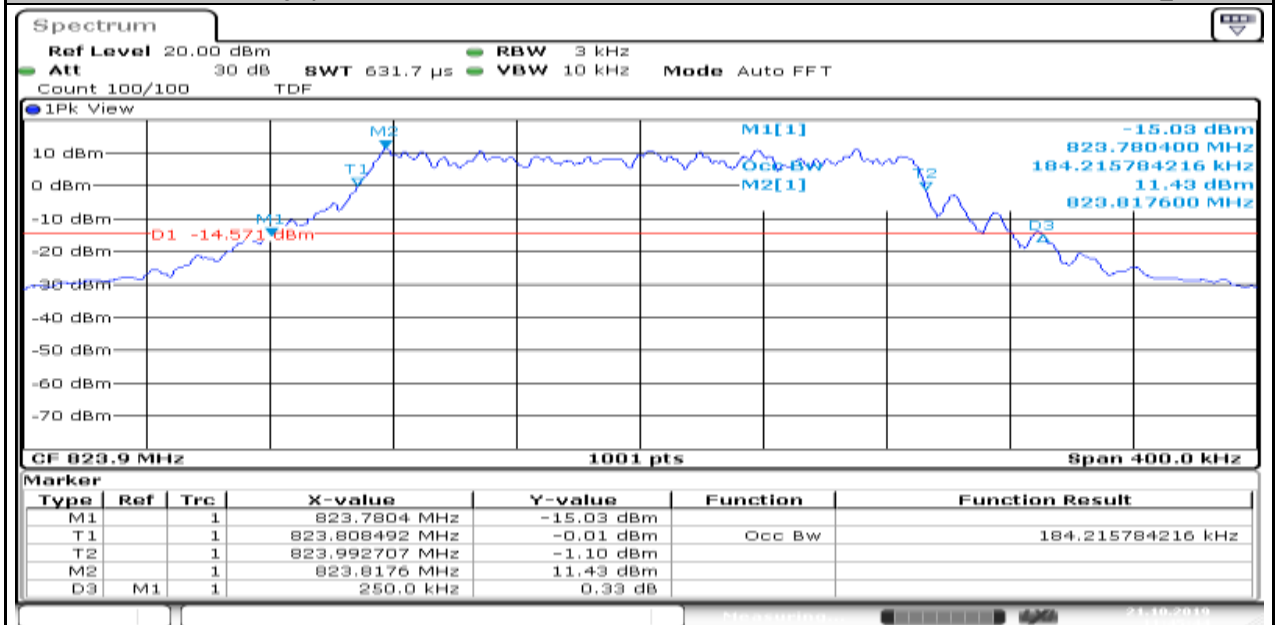
Band26_Stand-Alone_NaN_QPSK_26789_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26789-1@0@3.75kHz-QPSK-NTNV-20191021143727.Gif_



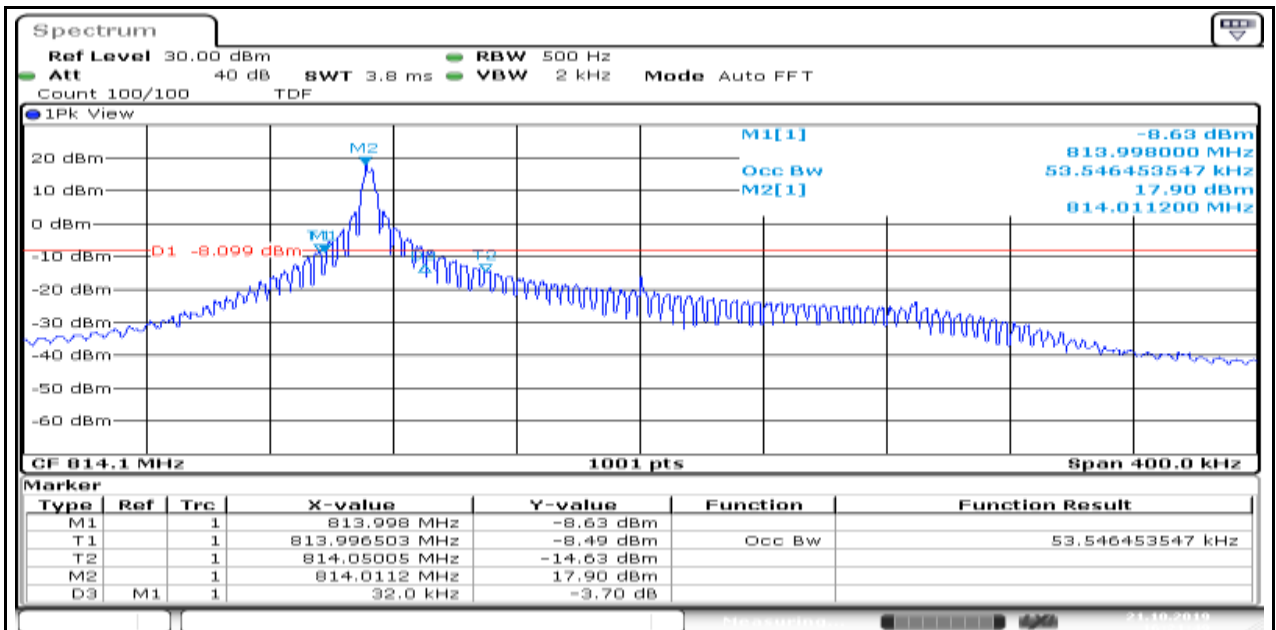
Band26_Stand-Alone_NaN_QPSK_26789_1@0_15kHz_0.104_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26789-1@0@15kHz-QPSK-NTNV-20191021123654.Gif_



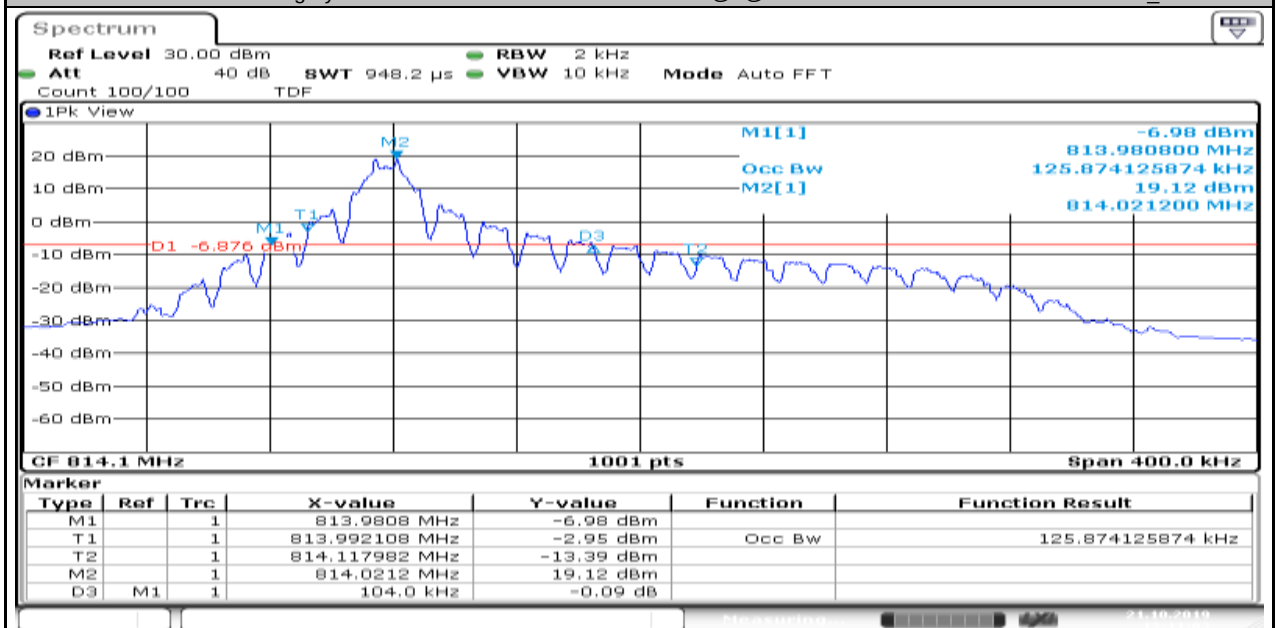
Band26_Stand-Alone_NaN_QPSK_26789_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26789-12@0@15kHz-QPSK-NTNV-20191021103722.Gif_



Band26_Stand-Alone_NaN_BPSK_26691_1@0_3.75kHz_0.032_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26691-1@0@3.75kHz-BPSK-NTNV-20191021151327.Gif_

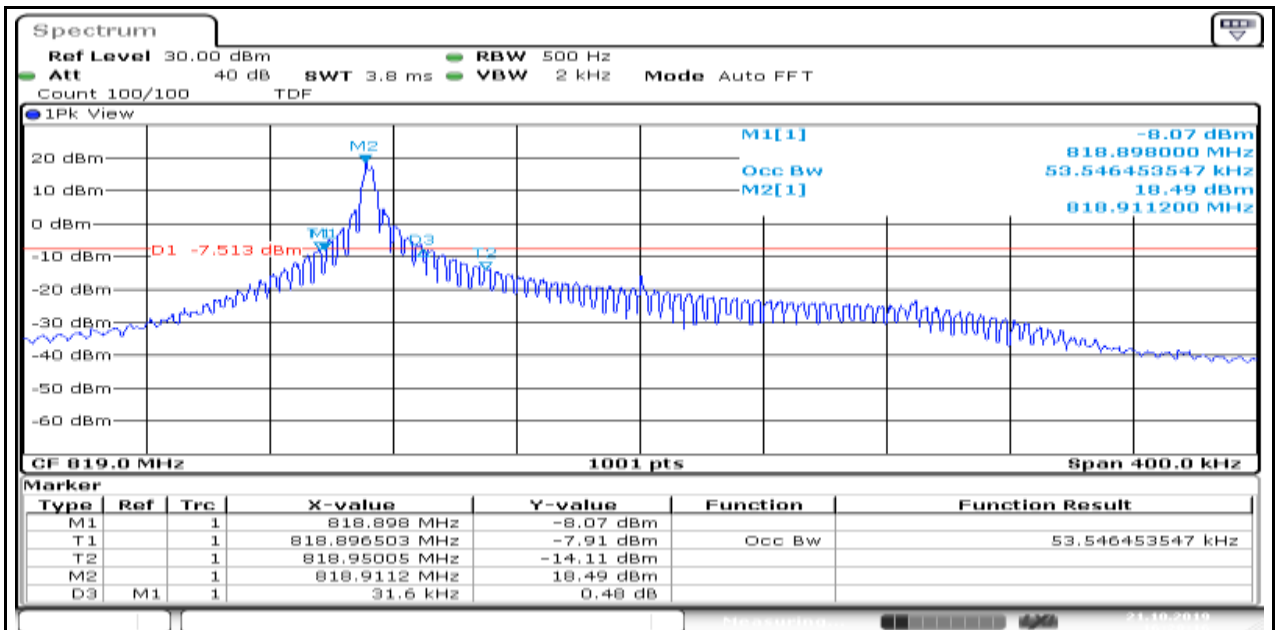


Band26_Stand-Alone_NaN_BPSK_26691_1@0_15kHz_0.104_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26691-1@0@15kHz-BPSK-NTNV-2019102112241.Gif_

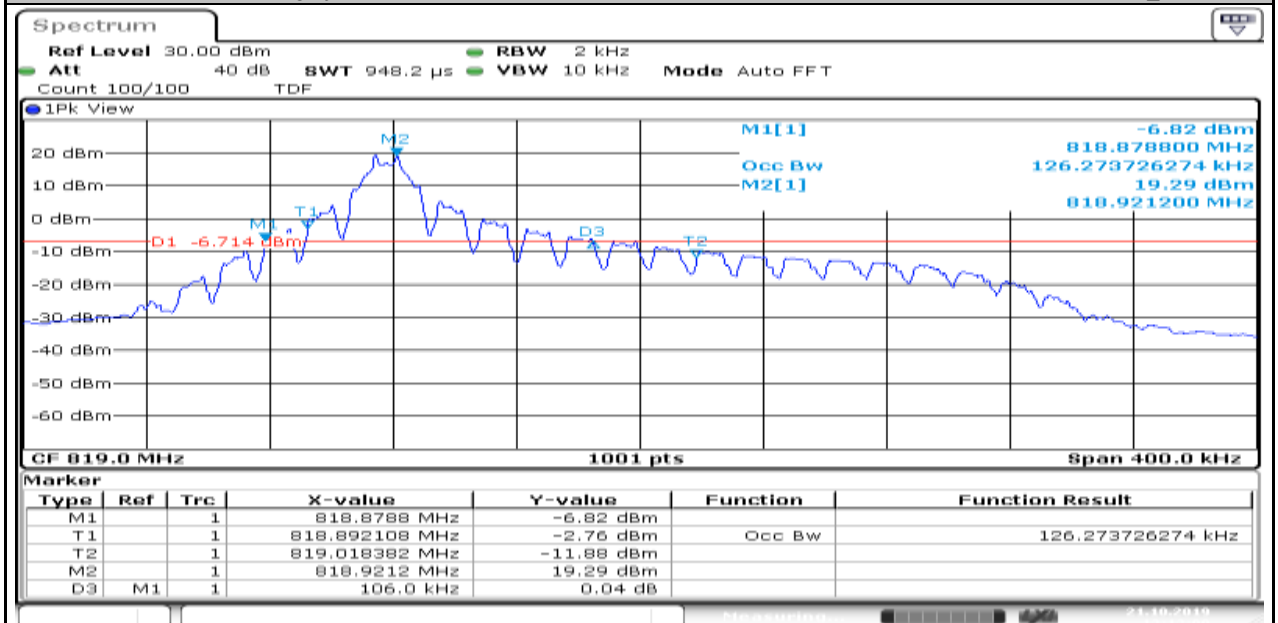


Band26_Stand-Alone_NaN_BPSK_26740_1@0_3.75kHz_0.032_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26740-1@0@3.75kHz-BPSK-NTNV-20191021151954.Gif_

Produkte
Products

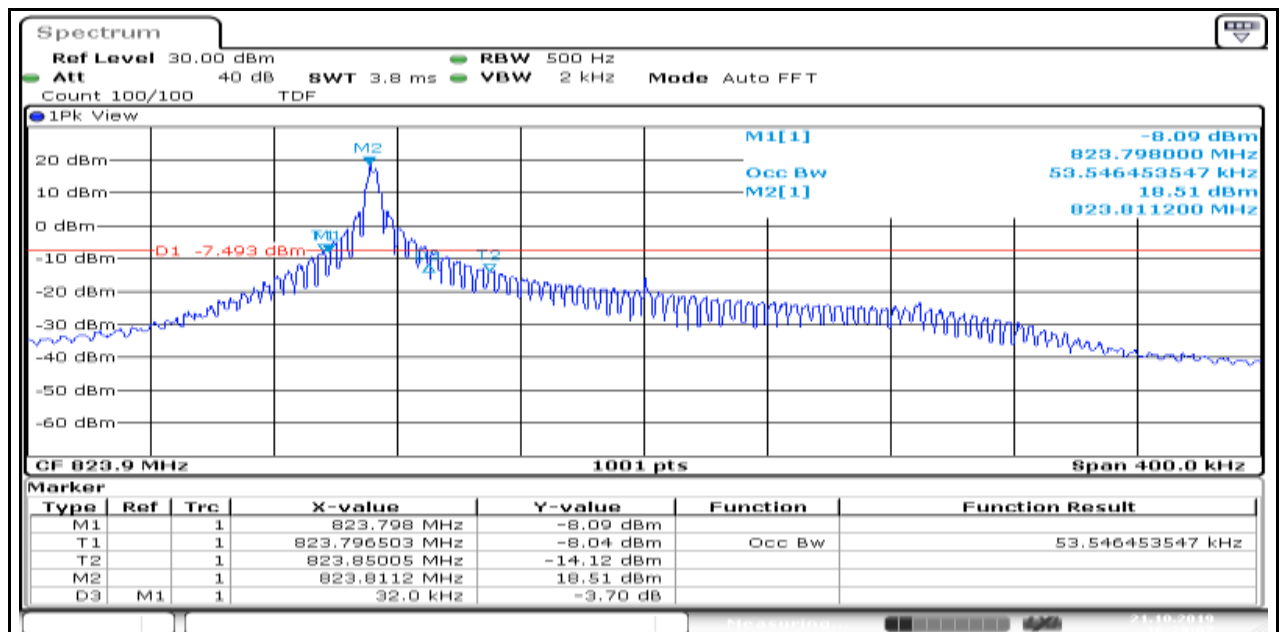


Band26_Stand-Alone_NaN_BPSK_26740_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26740-1@0@15kHz-BPSK-NTNV-2019102112339.Gif_



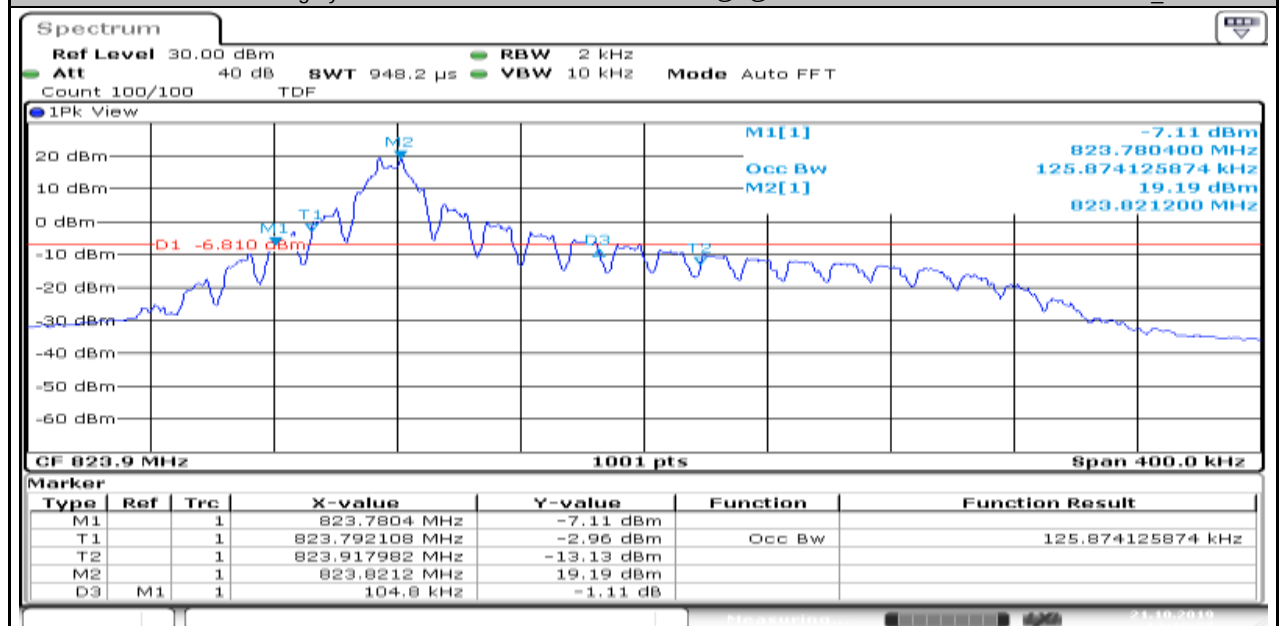
Band26_Stand-Alone_NaN_BPSK_26789_1@0_3.75kHz_0.032_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26789-1@0@3.75kHz-BPSK-NTNV-20191021152045.Gif_

Produkte
Products



Date: 21.OCT.2019 16:29:07

Band26_Stand-Alone_NaN_BPSK_26789_1@0_15kHz_0.105_PASS_FCC_NB_EBW\EBW\Band26\Occupied and emission bandwidth for category NB-Band26-Stand-Alone-NaN-26789-1@@@15kHz-BPSK-NTNV-2019102112436.Gif

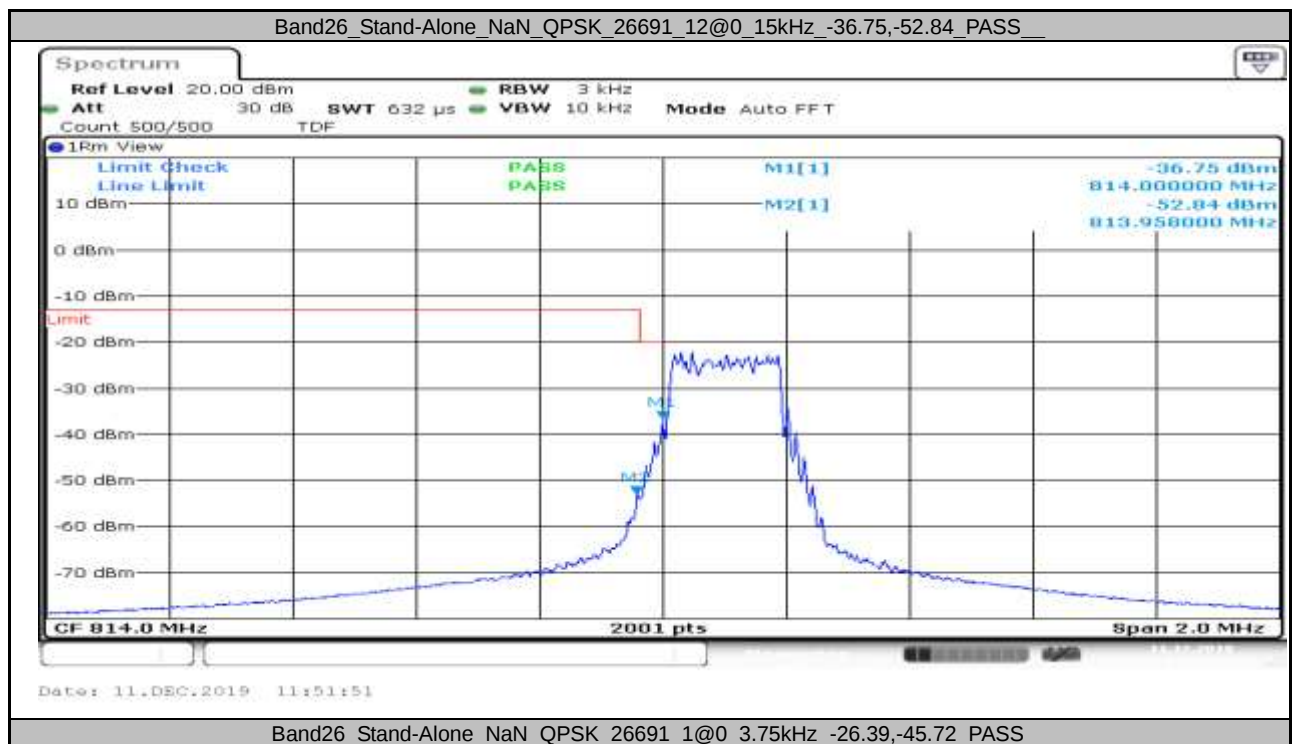


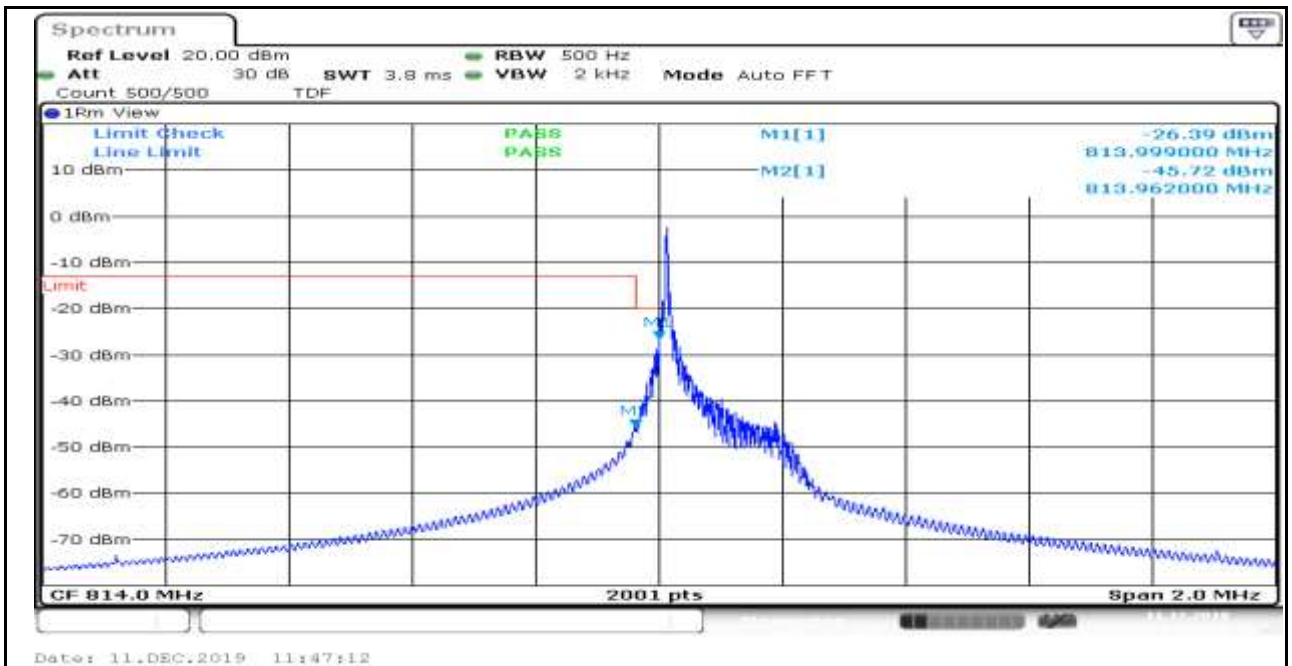
Date: 21.OCT.2019 13:12:58

Appendix G.4: Band Edge for NB Test Result

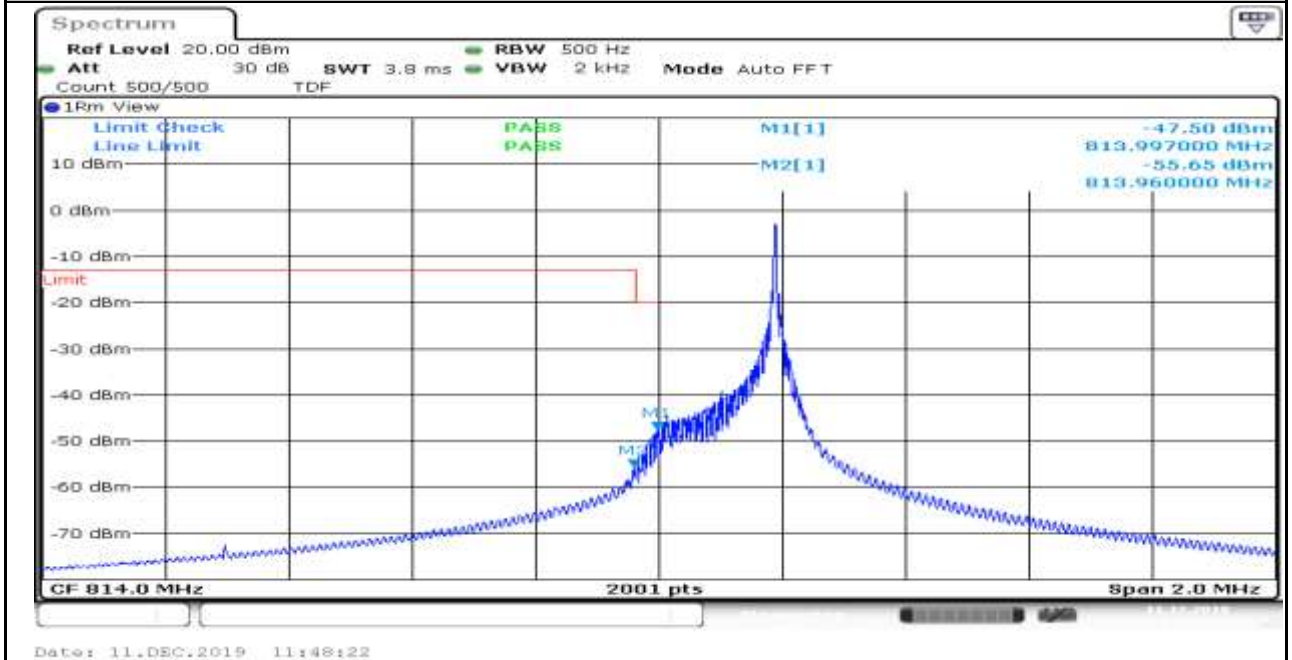
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dBm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	-36.75,-52.84	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	-26.39,-45.72	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	-47.50,-55.65	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	15kHz	-21.54,-43.25	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@11	15kHz	-39.25,-48.73	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	-25.30,-44.85	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	15kHz	-39.00,-48.69	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@11	15kHz	-20.29,-41.92	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	-33.17,-50.54	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	-47.18,-56.10	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	-21.26,-42.82	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	-40.05,-49.76	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	3.75kHz	-26.54,-46.20	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@47	3.75kHz	-48.65,-57.23	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	-21.36,-42.96	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	3.75kHz	-48.13,-56.69	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@47	3.75kHz	-26.65,-46.41	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	-39.44,-49.63	PASS

Test Graphs





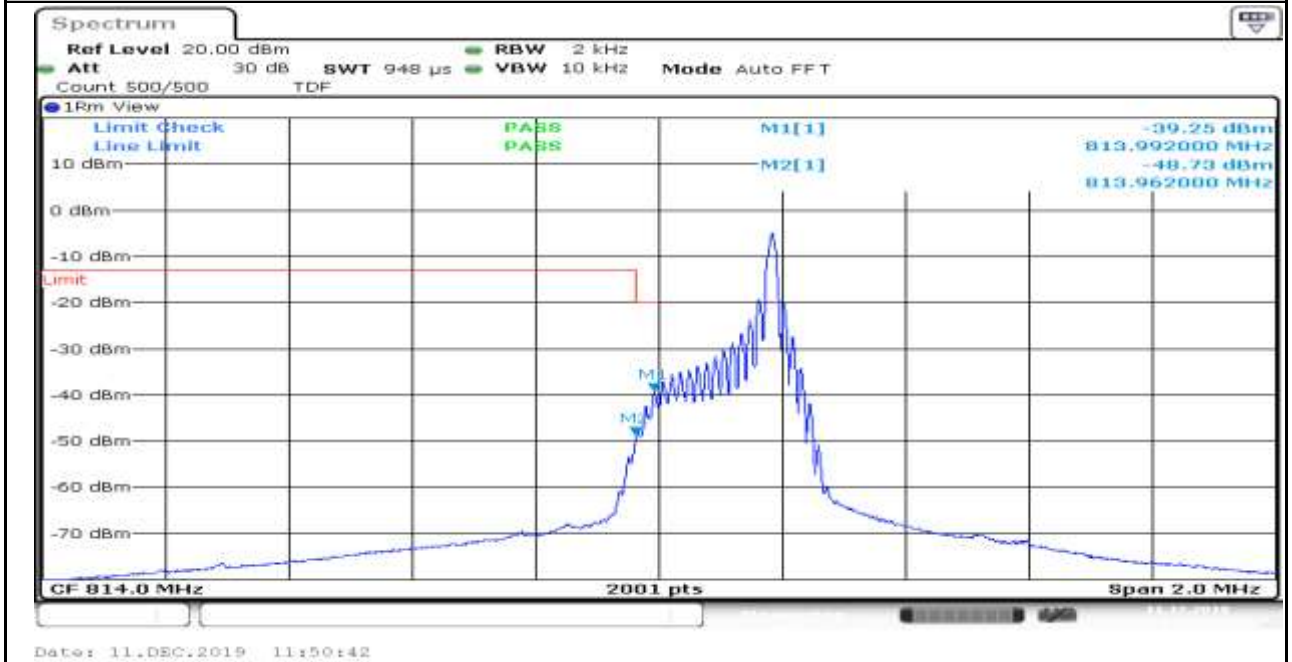
Band26_Stand-Alone_NaN_QPSK_26691_1@47_3.75kHz_-47.50,-55.65_PASS_



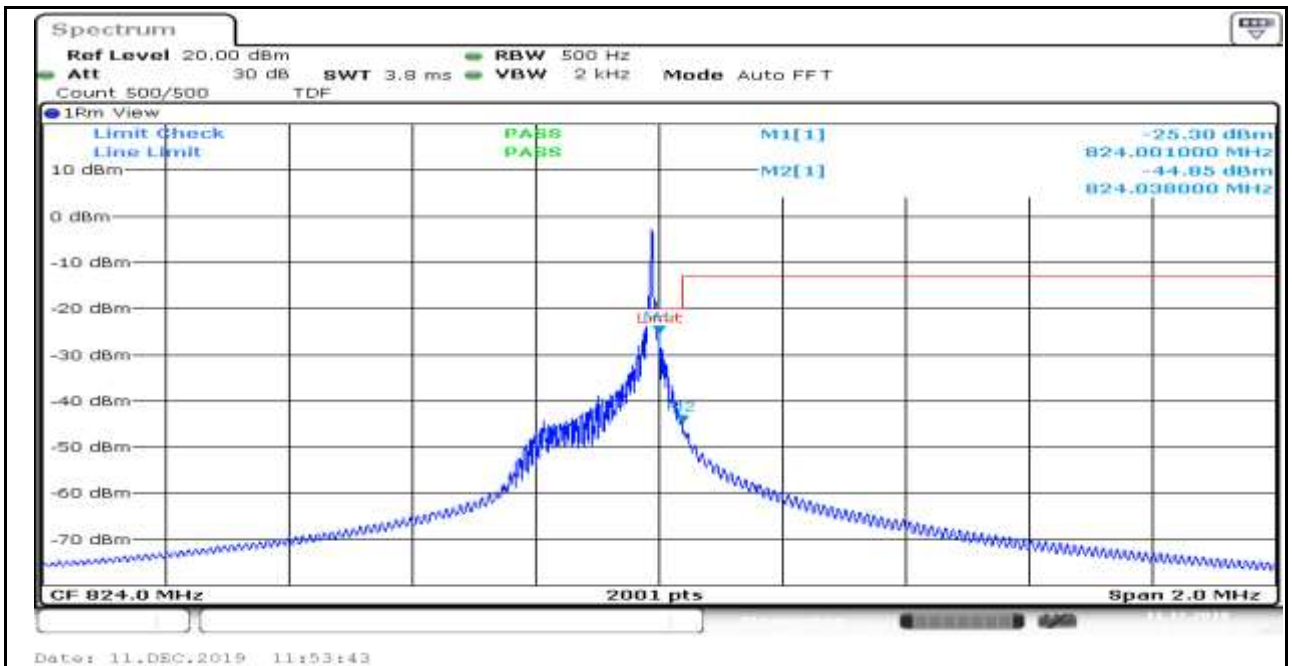
Band26_Stand-Alone_NaN_QPSK_26691_1@0_15kHz_-21.54,-43.25_PASS_



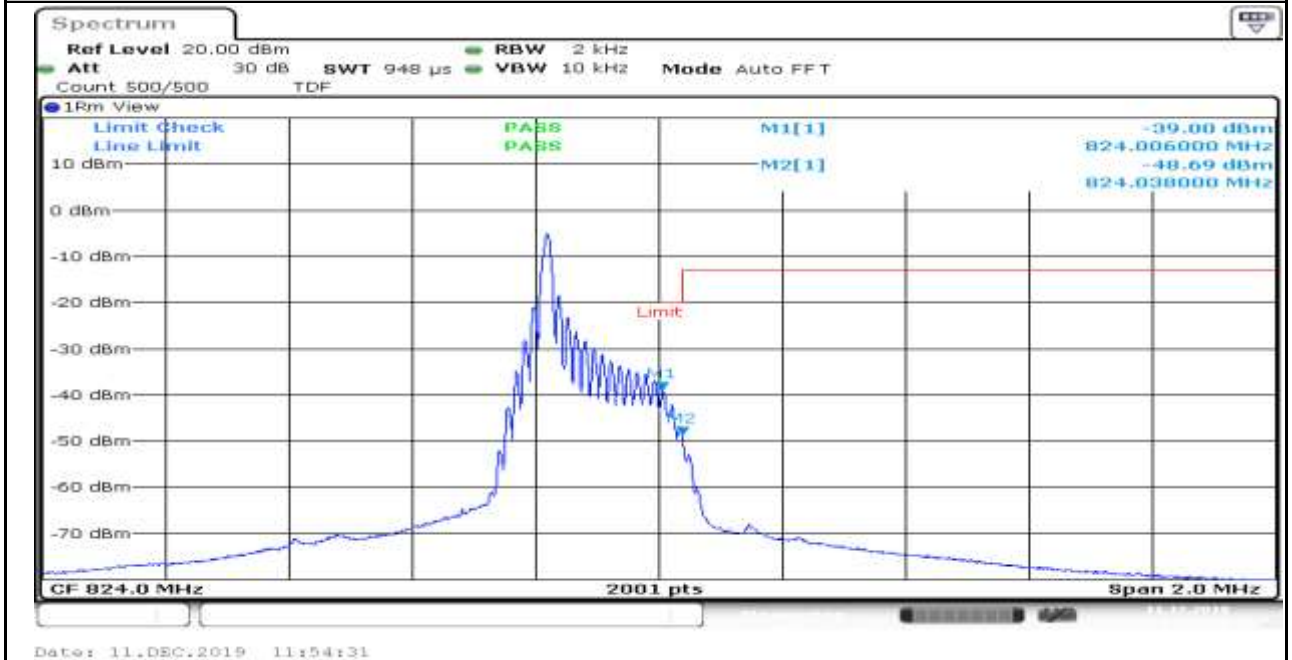
Band26_Stand-Alone_NaN_QPSK_26691_1@11_15kHz_-39.25,-48.73_PASS_



Band26_Stand-Alone_NaN_QPSK_26789_1@47_3.75kHz_-25.30,-44.85_PASS_



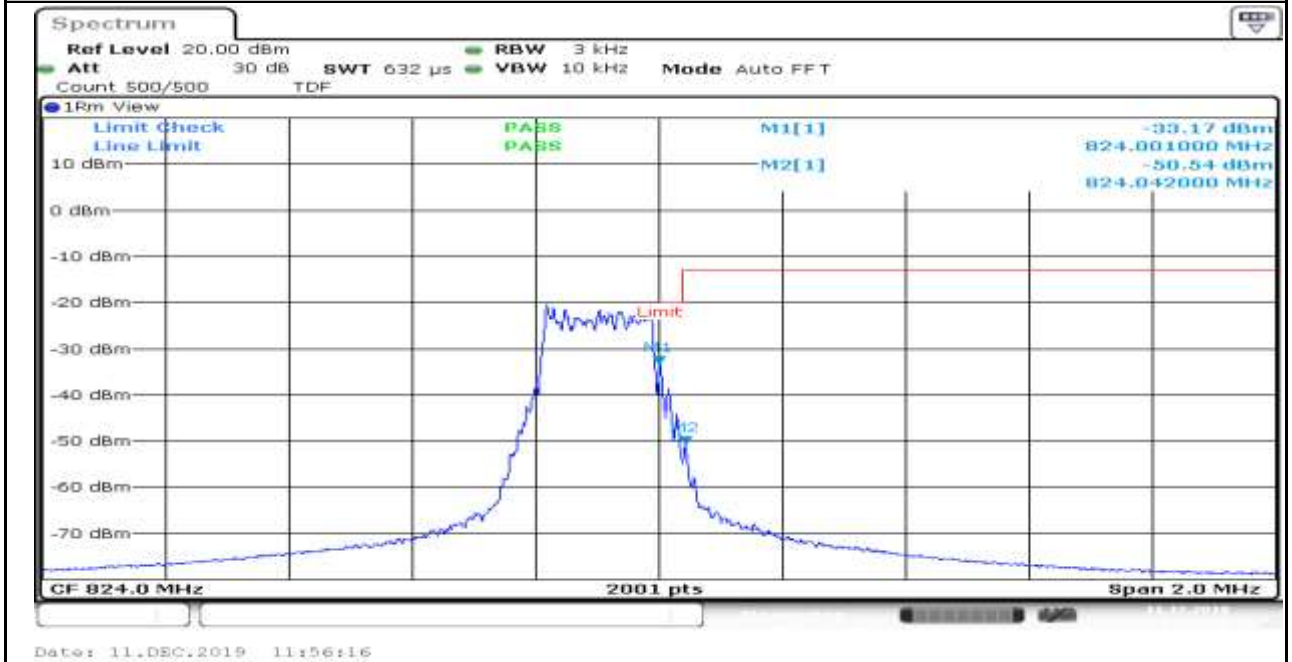
Band26_Stand-Alone_NaN_QPSK_26789_1@0_15kHz_-39.00,-48.69_PASS_



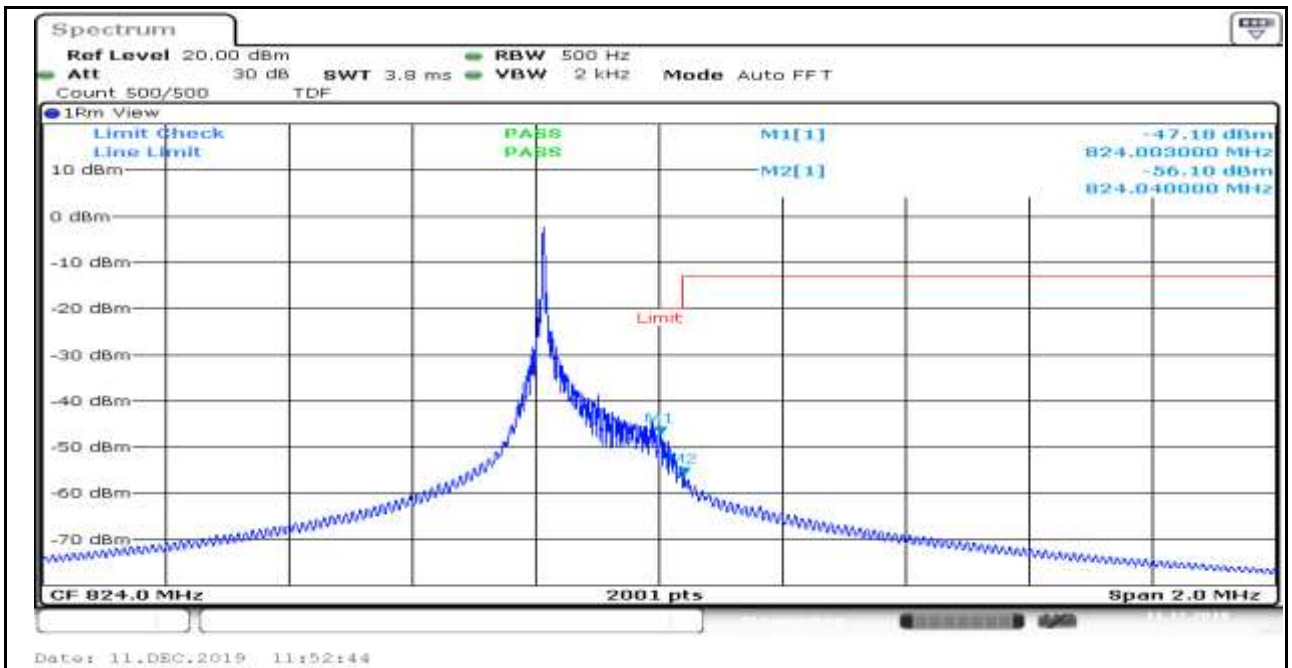
Band26_Stand-Alone_NaN_QPSK_26789_1@11_15kHz_-20.29,-41.92_PASS_



Band26_Stand-Alone_NaN_QPSK_26789_12@0_15kHz_-33.17,-50.54_PASS



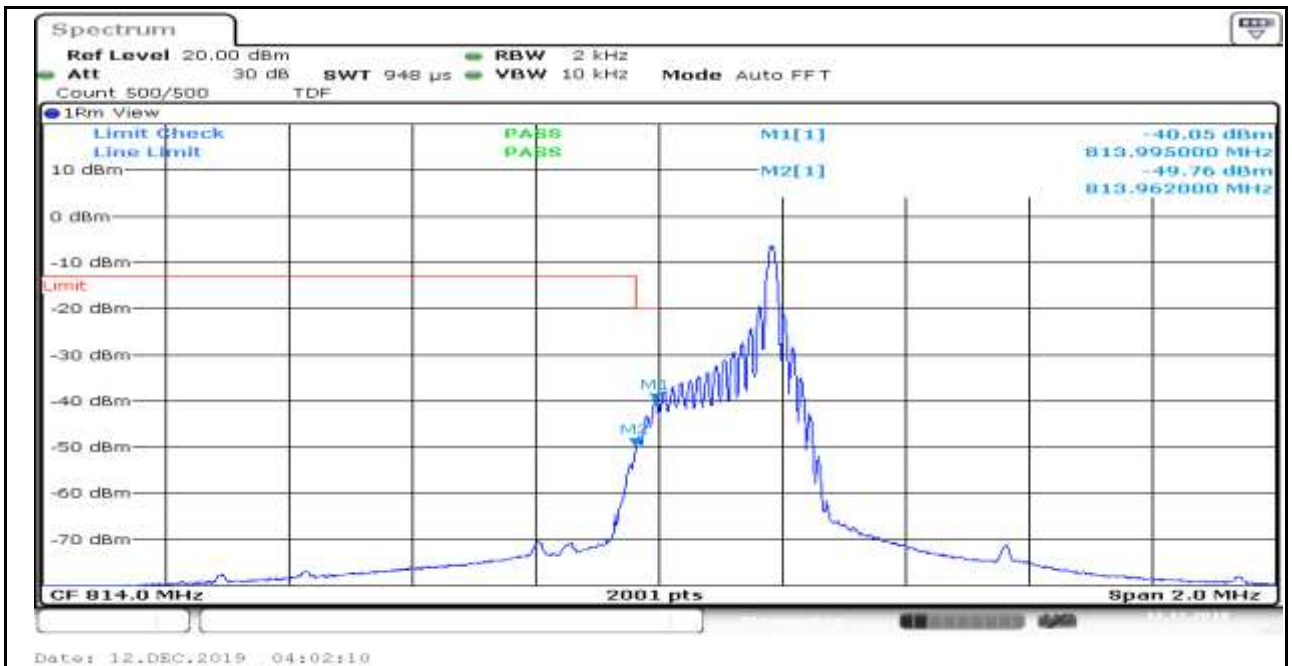
Band26_Stand-Alone_NaN_QPSK_26789_1@0_3.75kHz_-47.18,-56.10_PASS



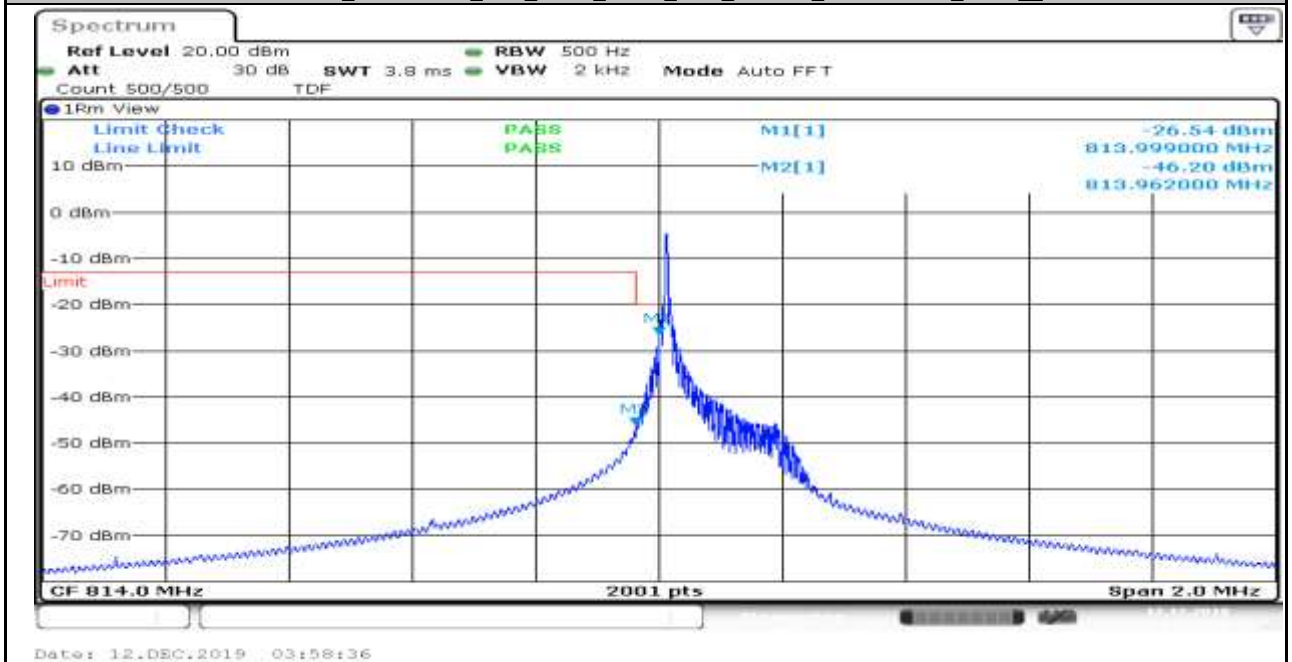
Band26_Stand-Alone_NaN_BPSK_26691_1@0_15kHz_-21.26,-42.82_PASS_



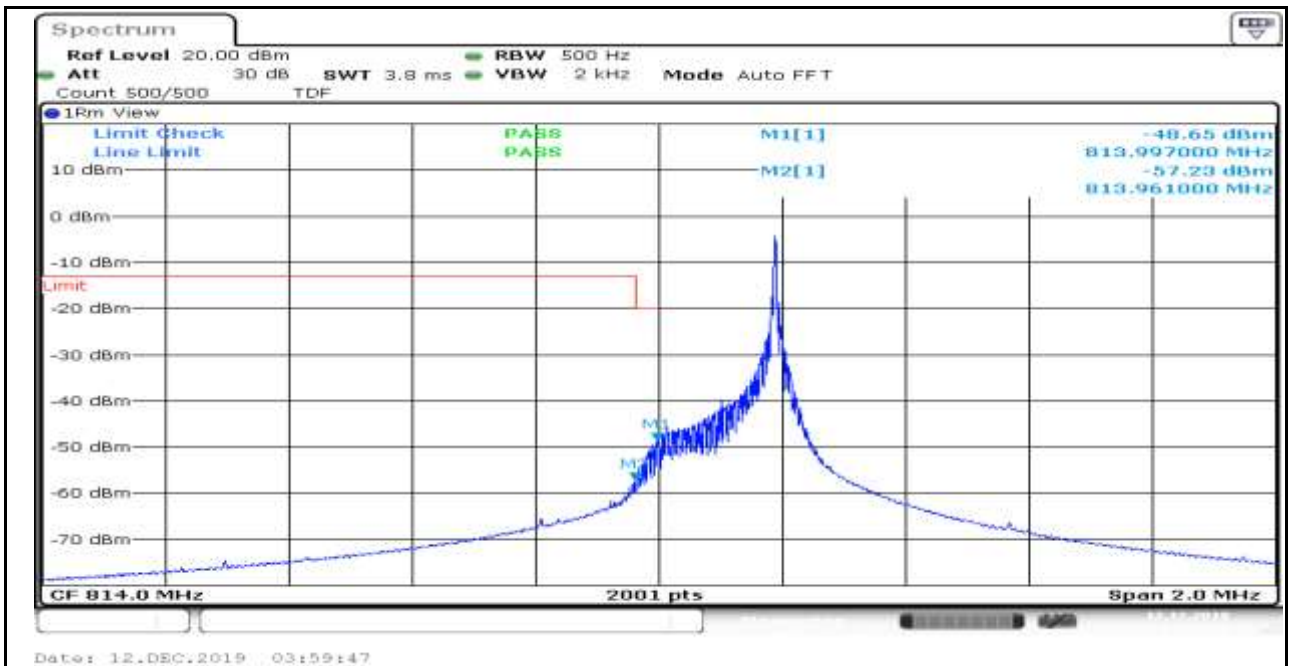
Band26_Stand-Alone_NaN_BPSK_26691_1@11_15kHz_-40.05,-49.76_PASS_



Band26_Stand-Alone_NaN_BPSK_26691_1@0_3.75kHz_-26.54,-46.20_PASS



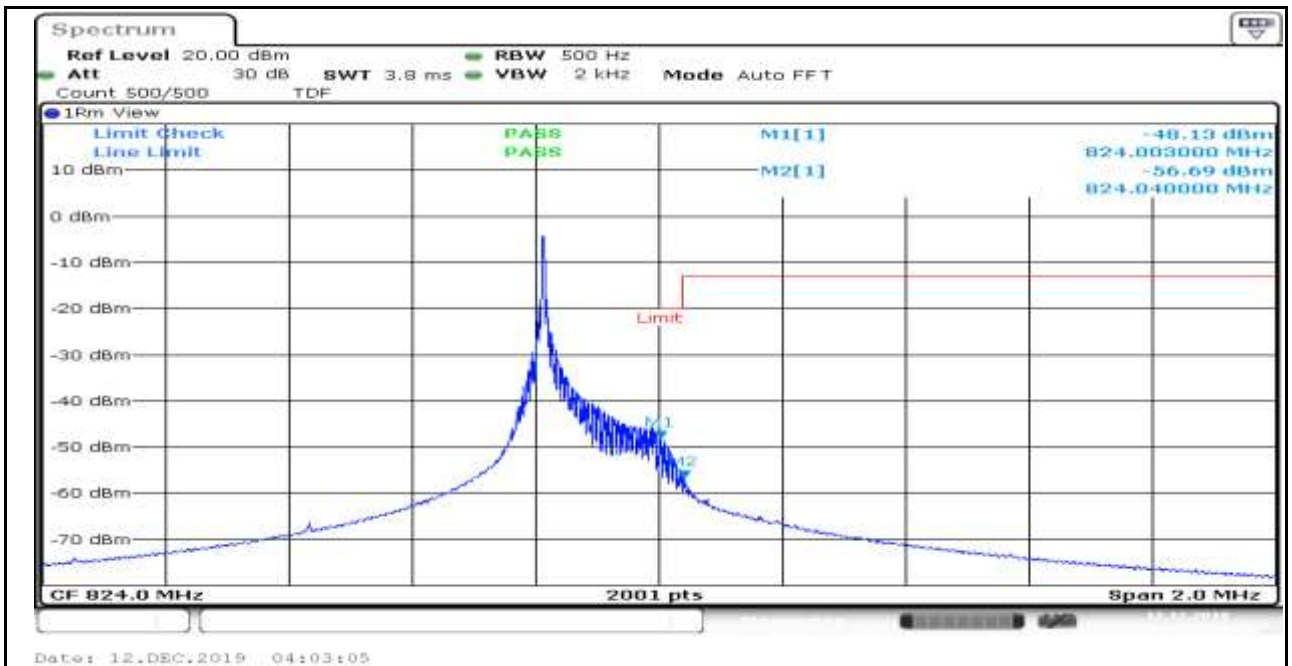
Band26_Stand-Alone_NaN_BPSK_26691_1@47_3.75kHz_-48.65,-57.23_PASS



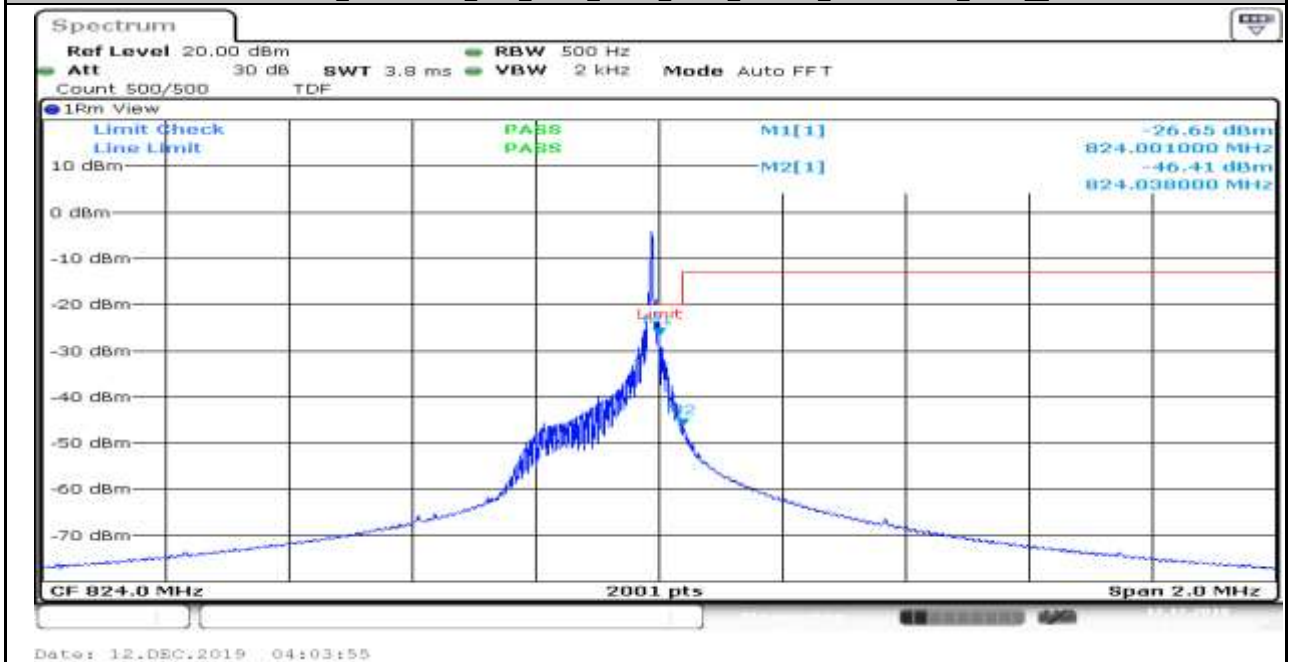
Band26_Stand-Alone_NaN_BPSK_26789_1@11_15kHz_-21.36,-42.96_PASS



Band26_Stand-Alone_NaN_BPSK_26789_1@0_3.75kHz_-48.13,-56.69_PASS



Band26_Stand-Alone_NaN_BPSK_26789_1@47_3.75kHz_-26.65,-46.41_PASS__



Band26_Stand-Alone_NaN_BPSK_26789_1@0_15kHz_-39.44,-49.63_PASS__



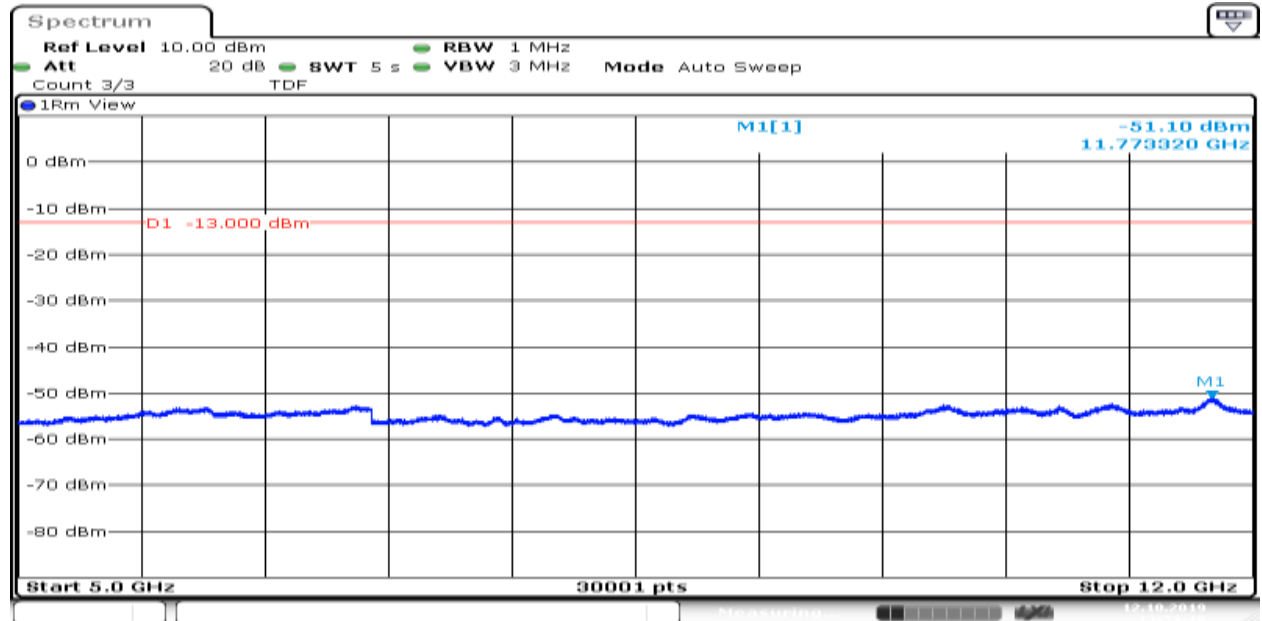
Appendix G.5: Conducted Spurious Emission for NB Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.1dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	30	1000	30~1000MHz@-37.25dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	12000	26500	12000~26500MHz@-45.77dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.17dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@47	3.75kHz	30	1000	30~1000MHz@-37.03dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.8dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.25dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	30	1000	30~1000MHz@-36.8dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	12000	26500	12000~26500MHz@-45.72dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	5000	12000	5000~12000MHz@-51.13dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	12@0	15kHz	1000	5000	1000~5000MHz@-40.19dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26691	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.05dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.18dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	12@0	15kHz	1000	5000	1000~5000MHz@-40.16dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	12000	26500	12000~26500MHz@-45.84dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.25dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	30	1000	30~1000MHz@-37.65dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	30	1000	30~1000MHz@-37.68dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.13dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	12@0	15kHz	12000	26500	12000~26500MHz@-45.88dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	12@0	15kHz	5000	12000	5000~12000MHz@-50.85dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.79dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26740	12@0	15kHz	30	1000	30~1000MHz@-37.39dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	30	1000	30~1000MHz@-37.06dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.19dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.38dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	30	1000	30~1000MHz@-37.78dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.9dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	5000	12000	5000~12000MHz@-50.98dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.47dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@0	3.75kHz	30	1000	30~1000MHz@-37.16dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	12000	26500	12000~26500MHz@-45.89dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	1000	5000	1000~5000MHz@-40.23dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	1@47	3.75kHz	12000	26500	12000~26500MHz@-45.89dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26789	12@0	15kHz	5000	12000	5000~12000MHz@-51.19dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	12000	26500	12000~26500MHz@-45.96dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	30	1000	30~1000MHz@-36.02dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	1000	5000	1000~5000MHz@-40.24dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@0	15kHz	12000	26500	12000~26500MHz@-45.56dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	30	1000	30~1000MHz@-35.49dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	1000	5000	1000~5000MHz@-40.27dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26691	1@11	15kHz	5000	12000	5000~12000MHz@-51.21dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	12000	26500	12000~26500MHz@-45.98dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	1000	5000	1000~5000MHz@-40.3dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	1000	5000	1000~5000MHz@-40.28dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	5000	12000	5000~12000MHz@-51.1dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	12000	26500	12000~26500MHz@-45.66dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@11	15kHz	30	1000	30~1000MHz@-33.16dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	15kHz	30	1000	30~1000MHz@-34.91dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	5000	12000	5000~12000MHz@-51.13dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	30	1000	30~1000MHz@-34.45dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@0	15kHz	1000	5000	1000~5000MHz@-40.09dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	12000	26500	12000~26500MHz@-45.97dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	5000	12000	5000~12000MHz@-51.25dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	1000	5000	1000~5000MHz@-40.21dBm	-13	PASS

Band26	Stand-Alone	NaN	BPSK	26789	1@11	15kHz	30	1000	30~1000MHz@-34.05dBm	-13	PASS
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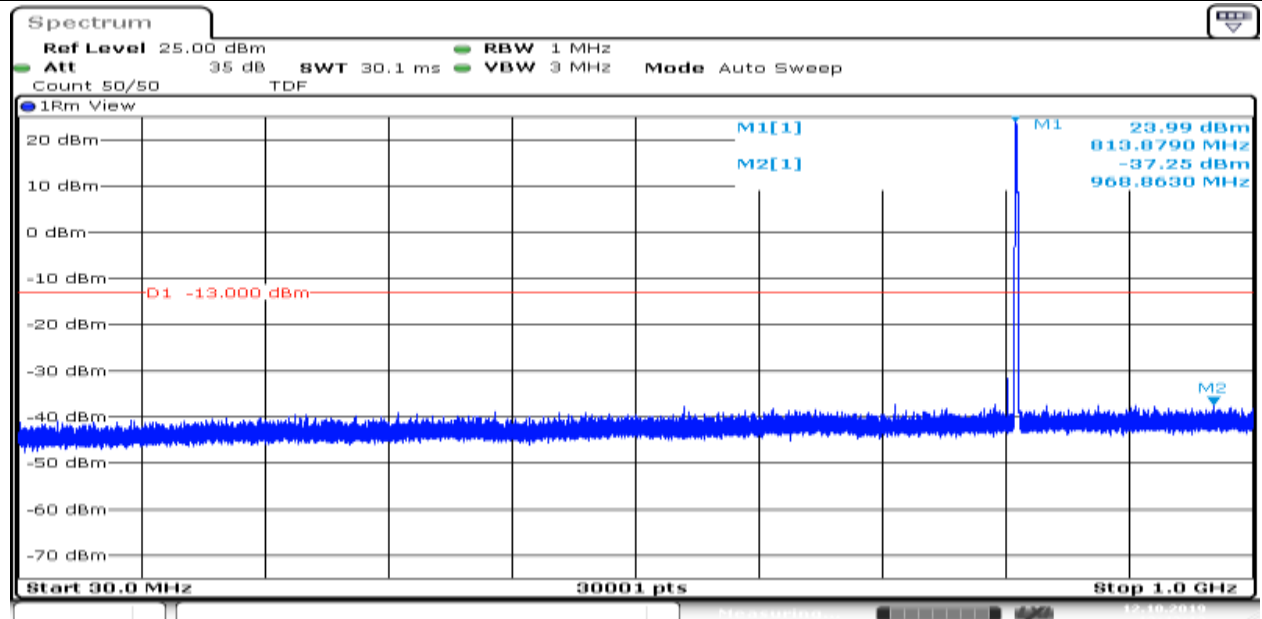
Test Graphs

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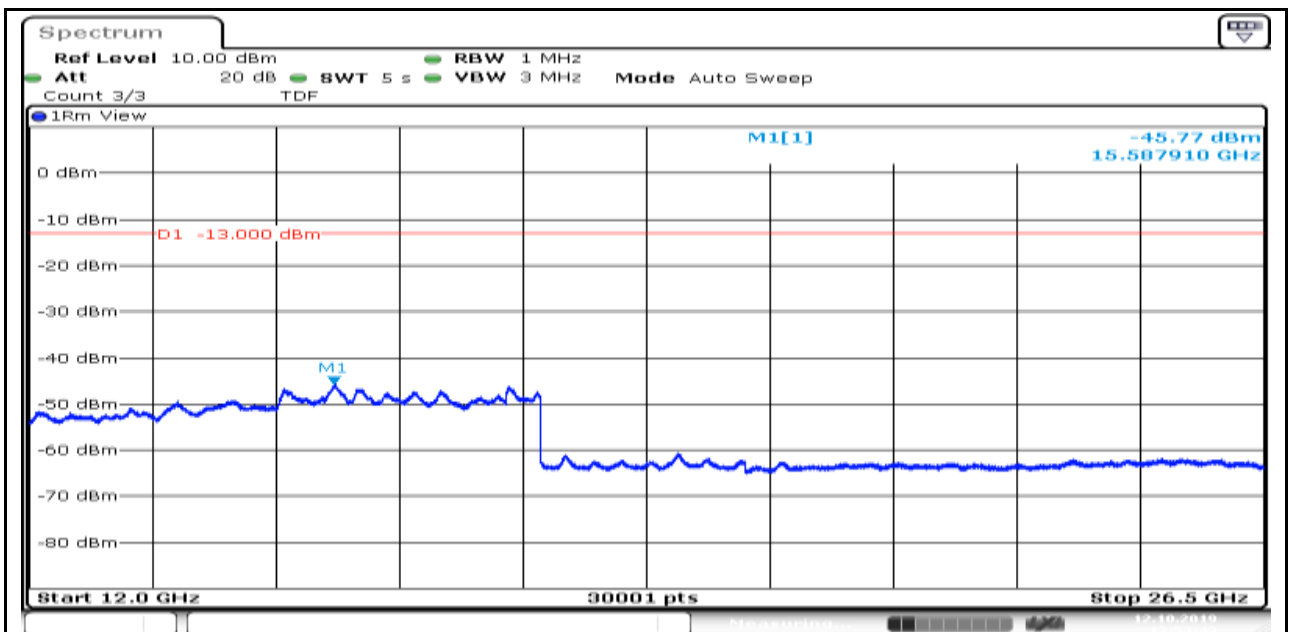
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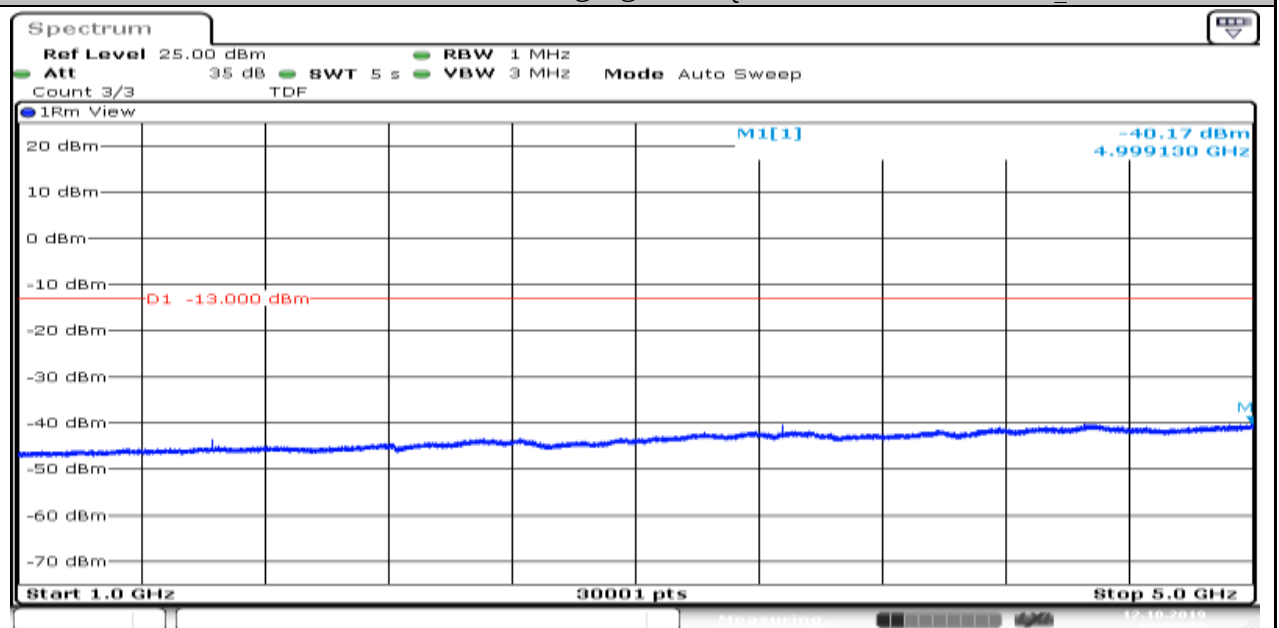


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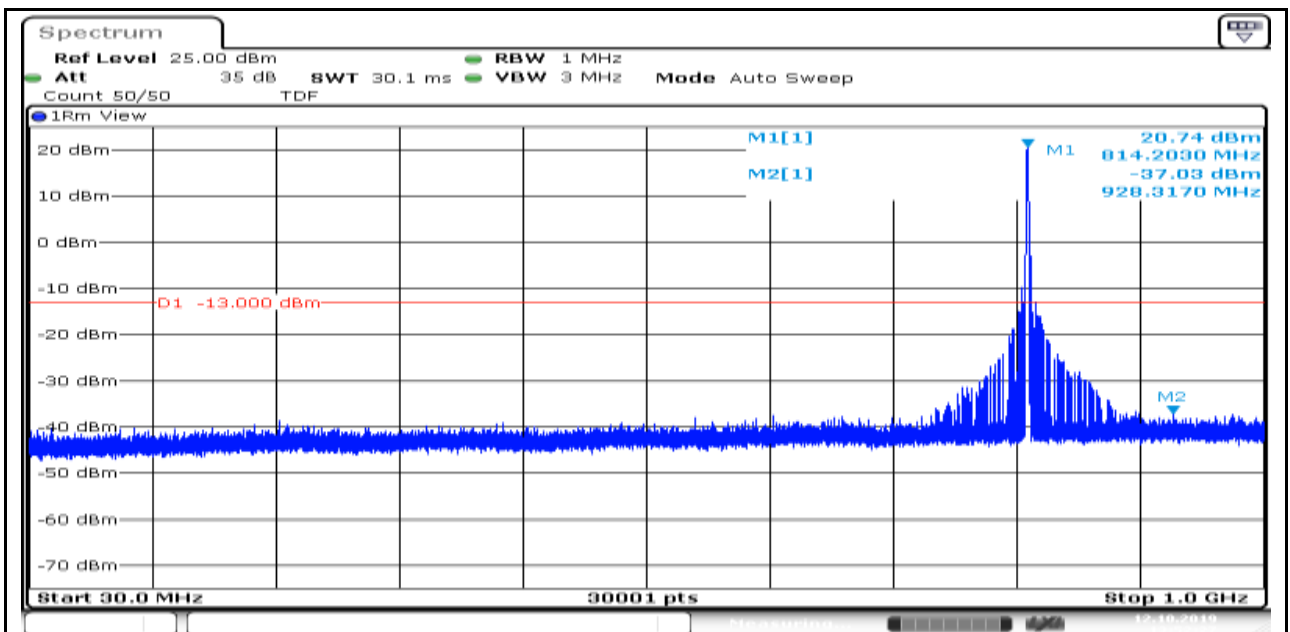
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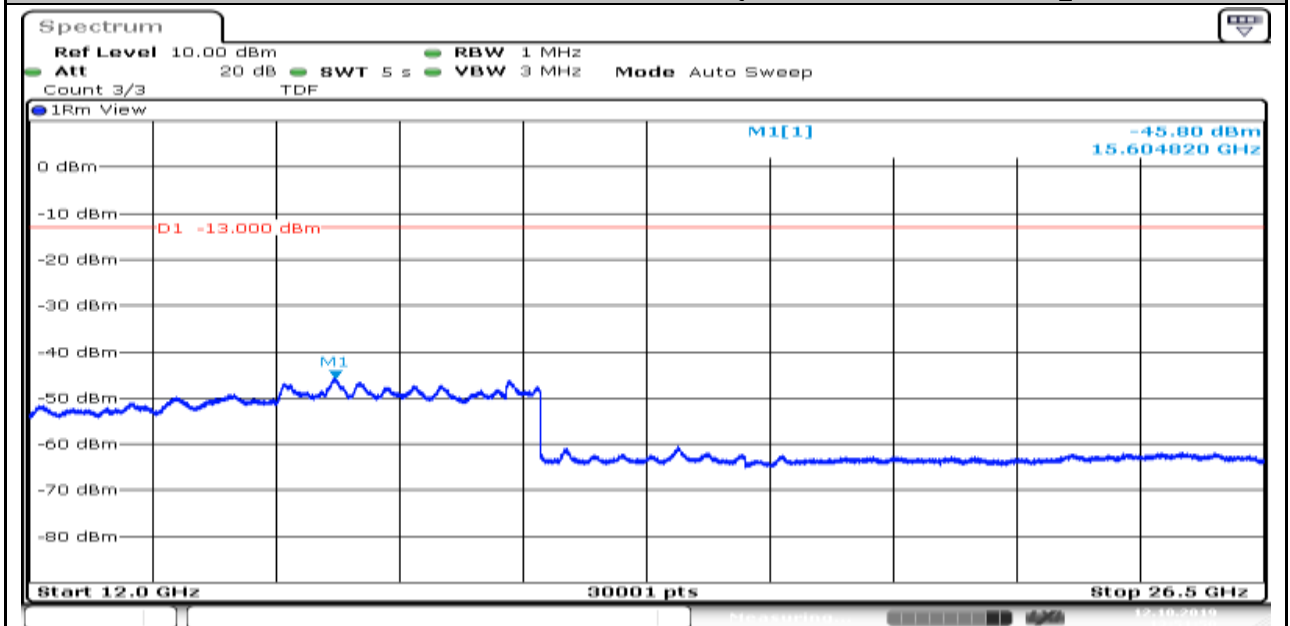
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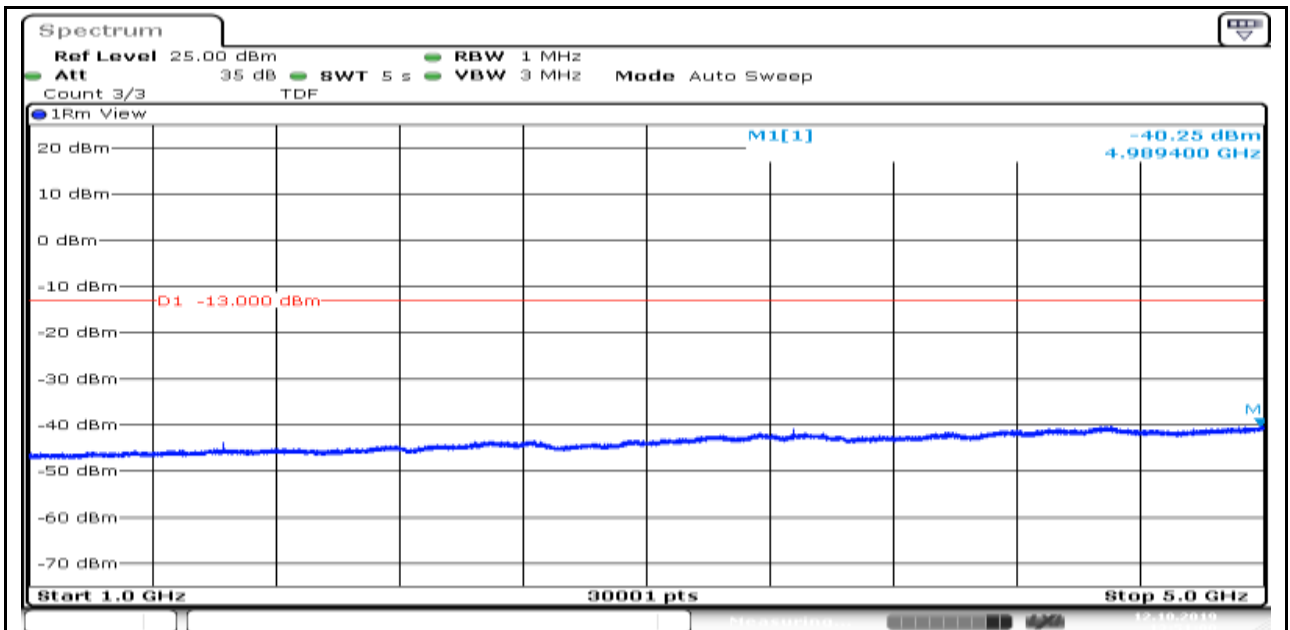
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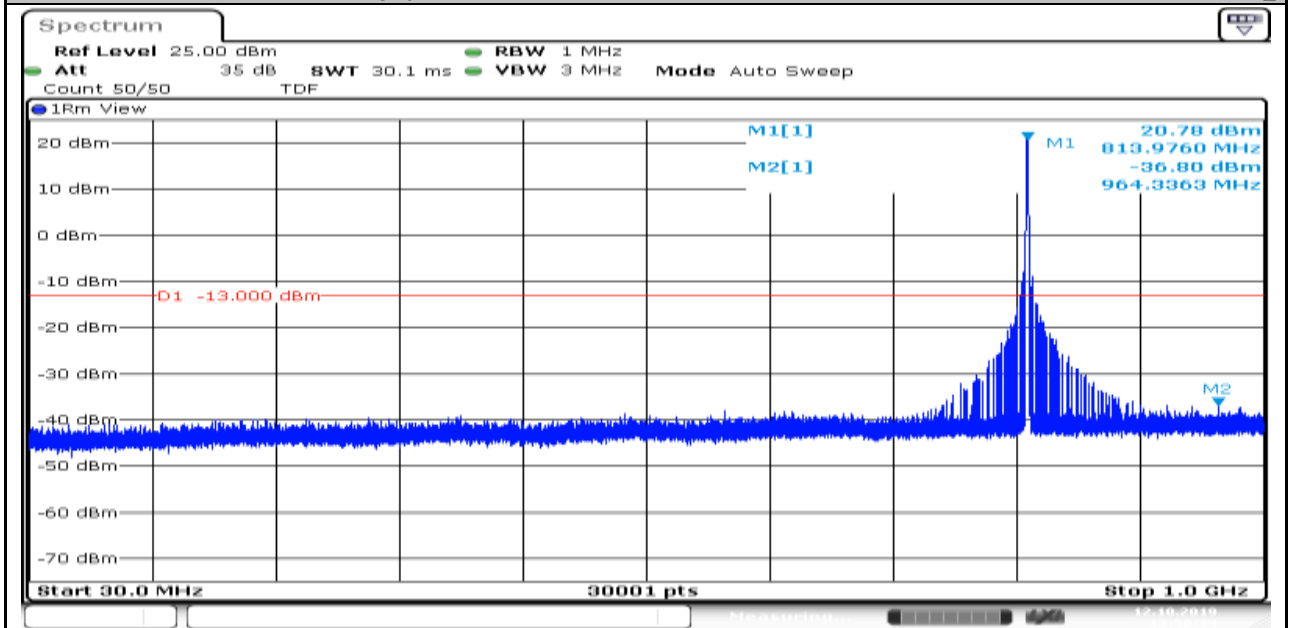
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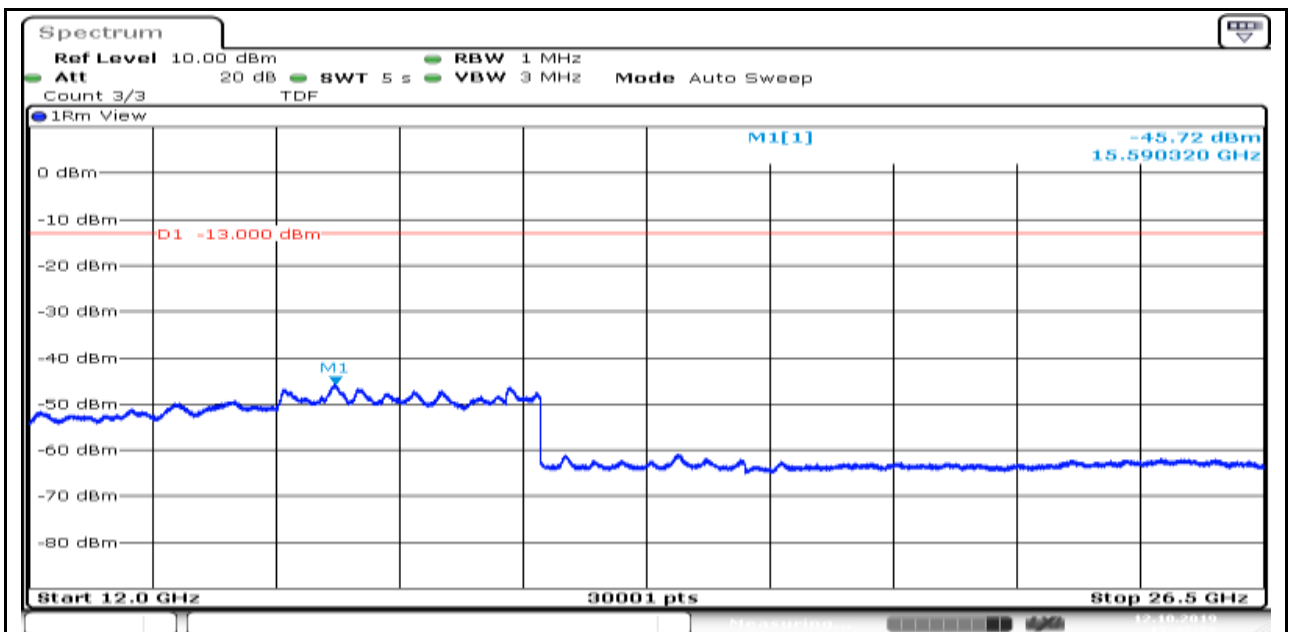
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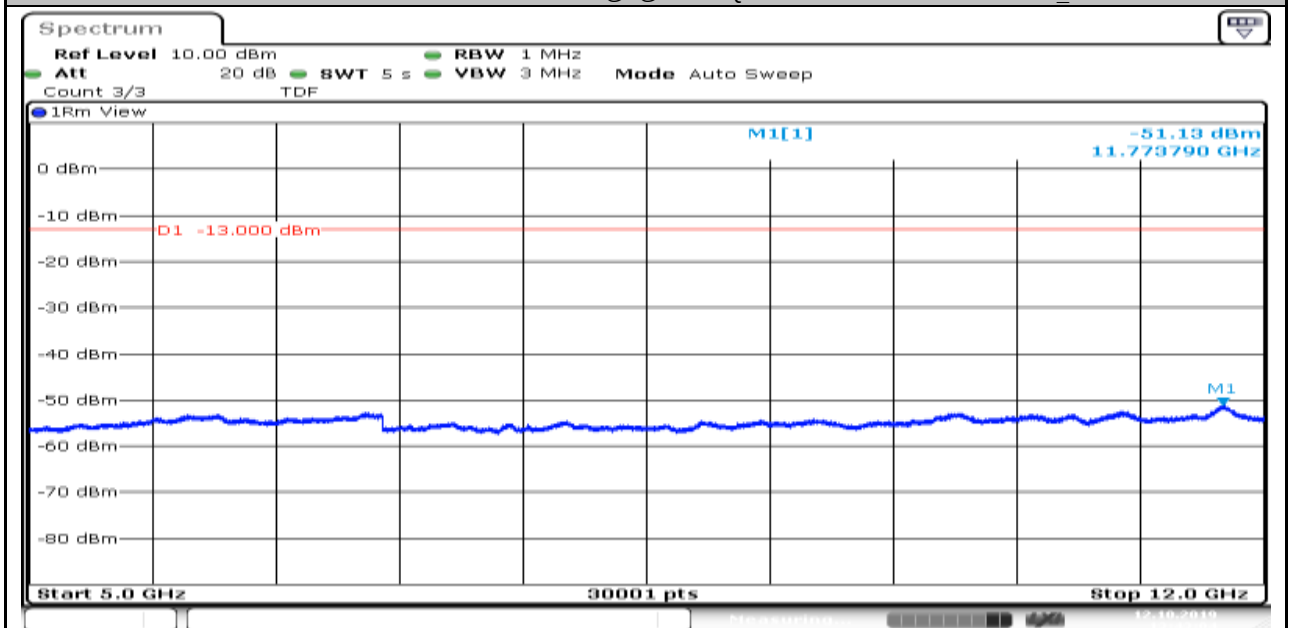
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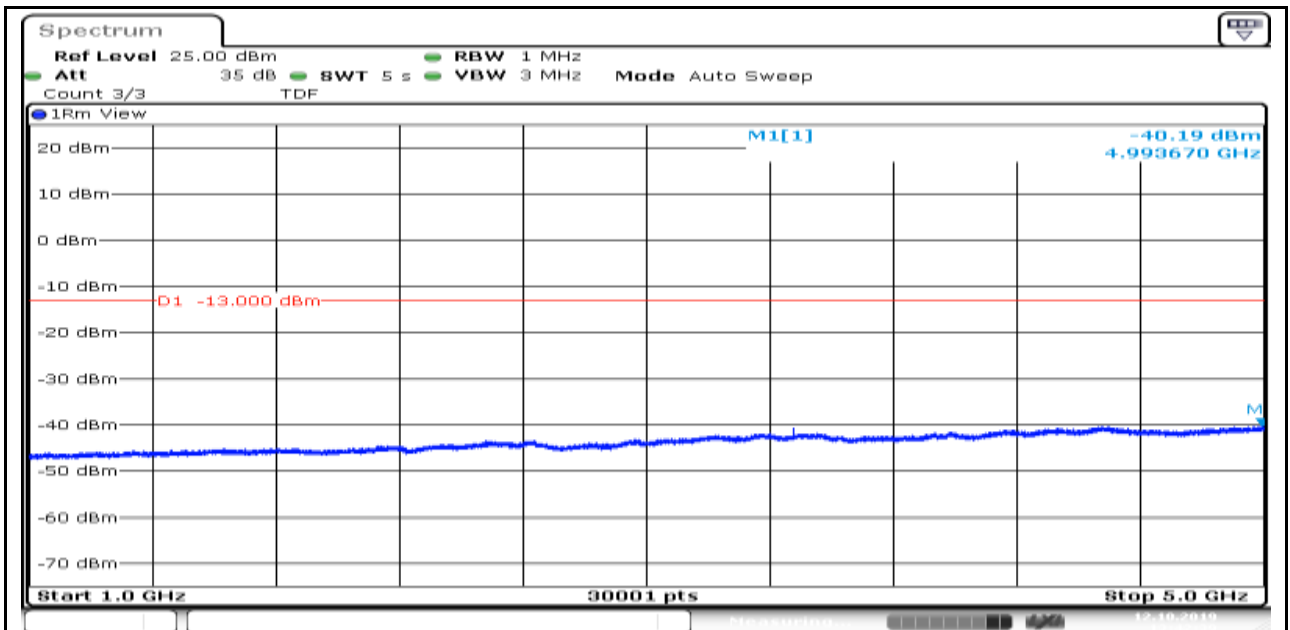
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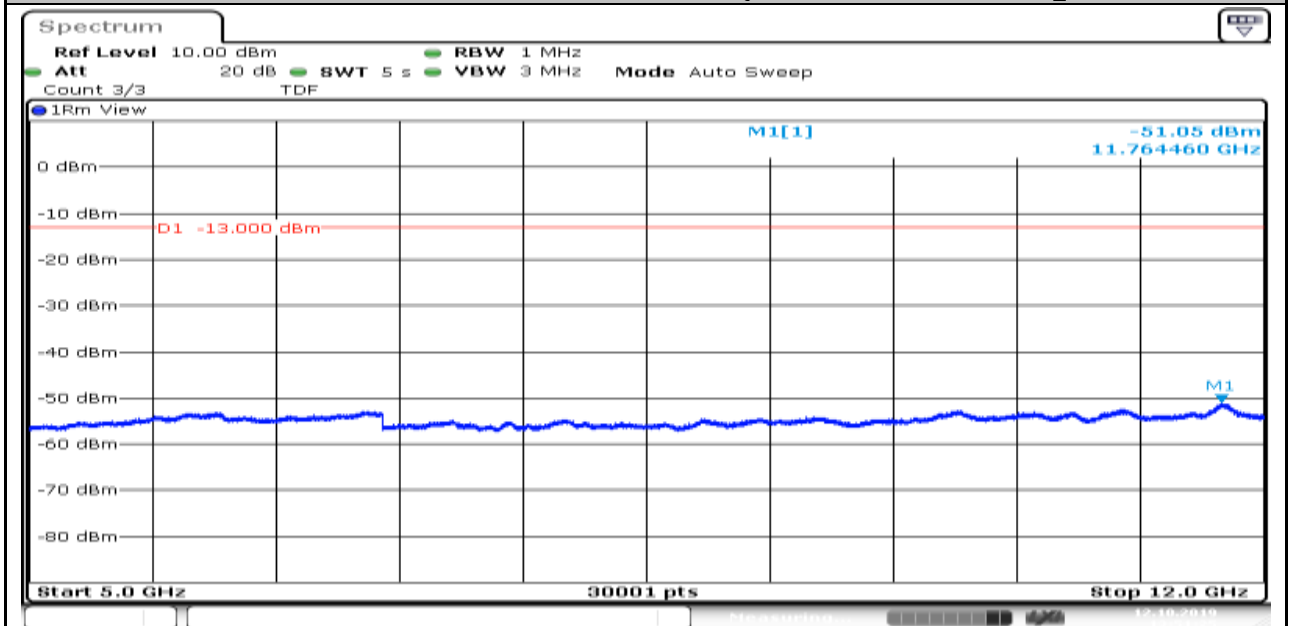
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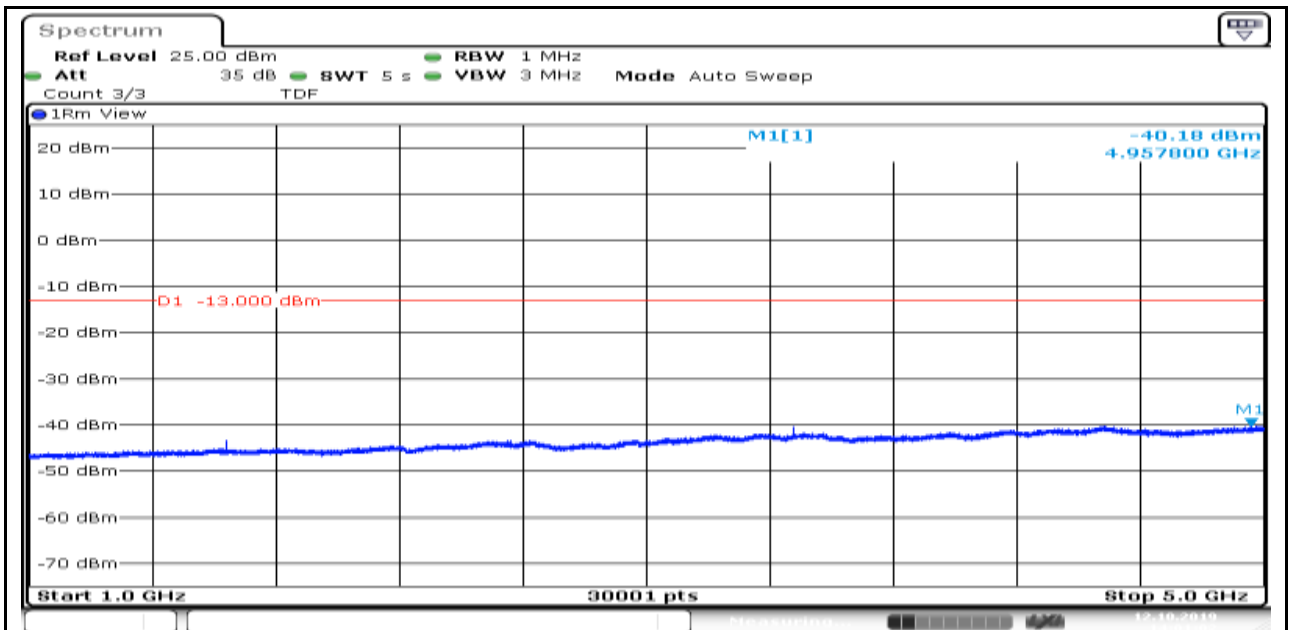
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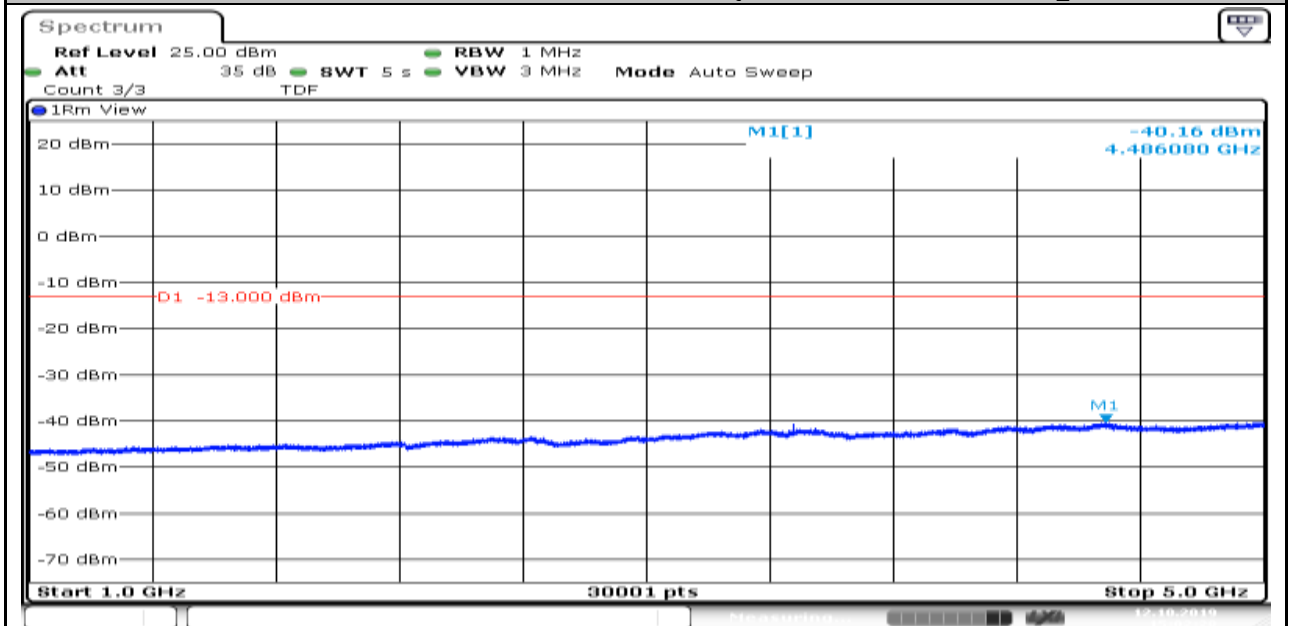
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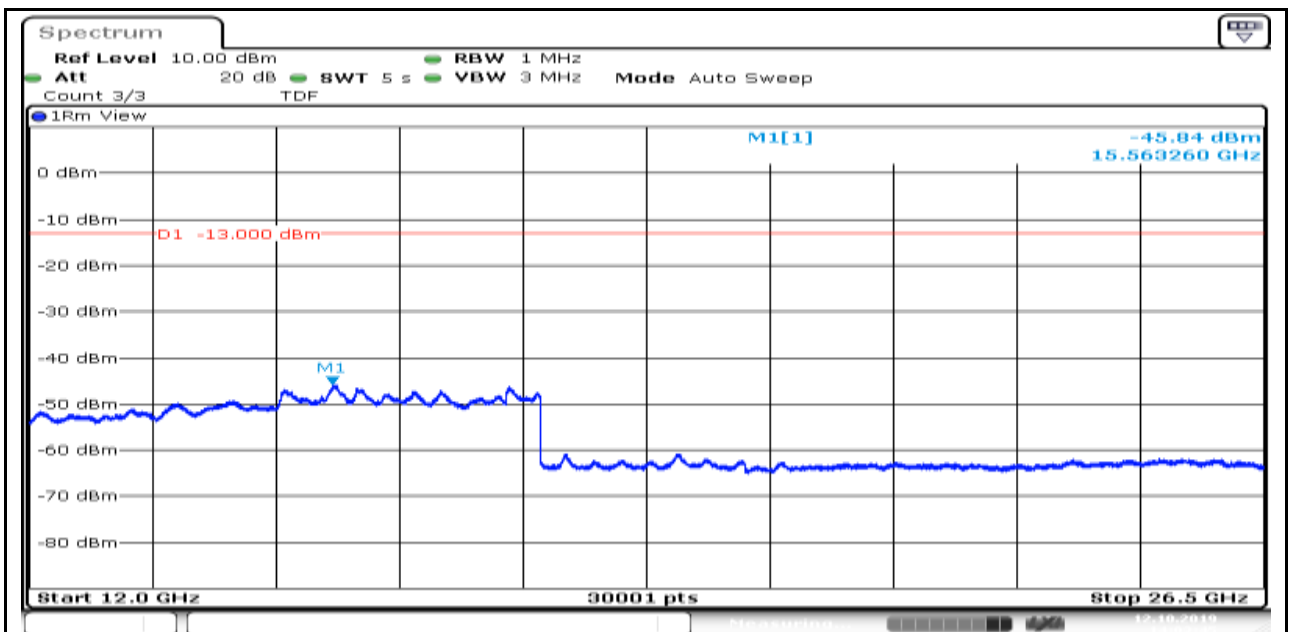
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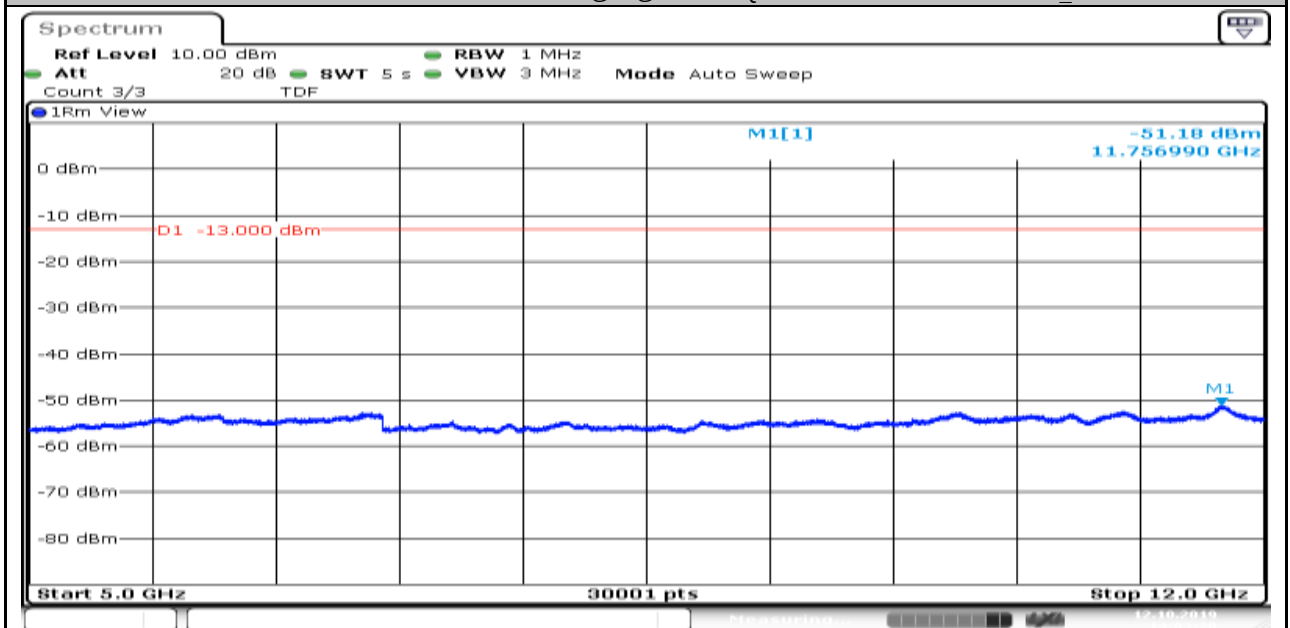
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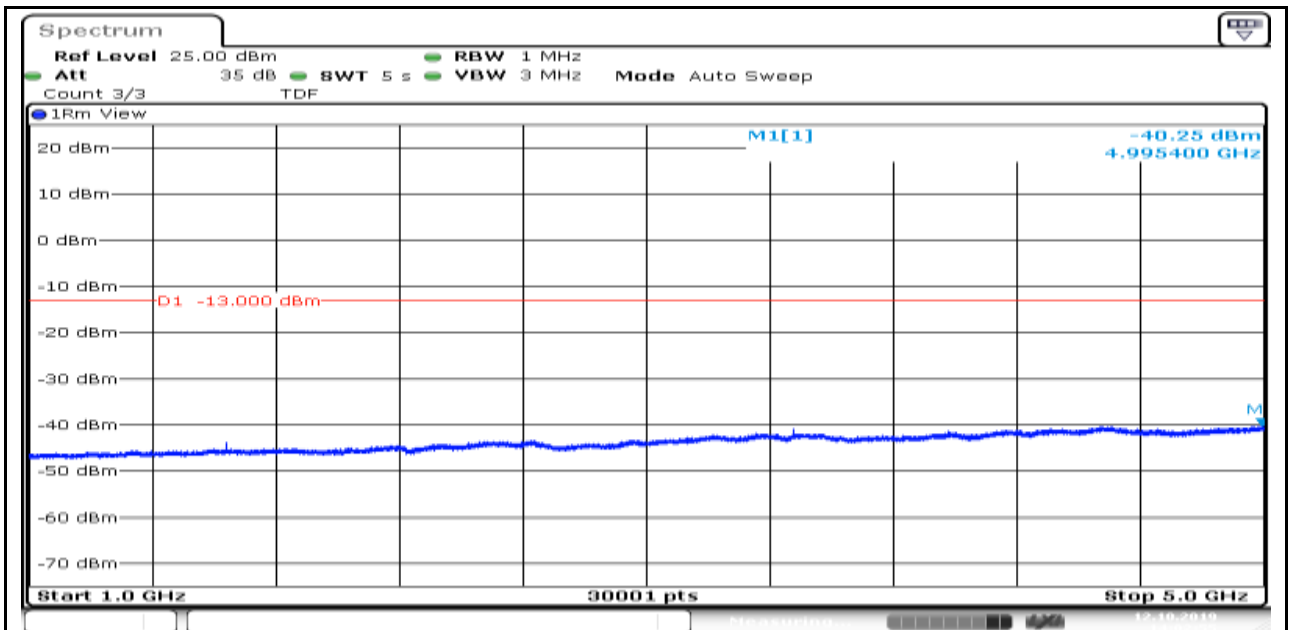
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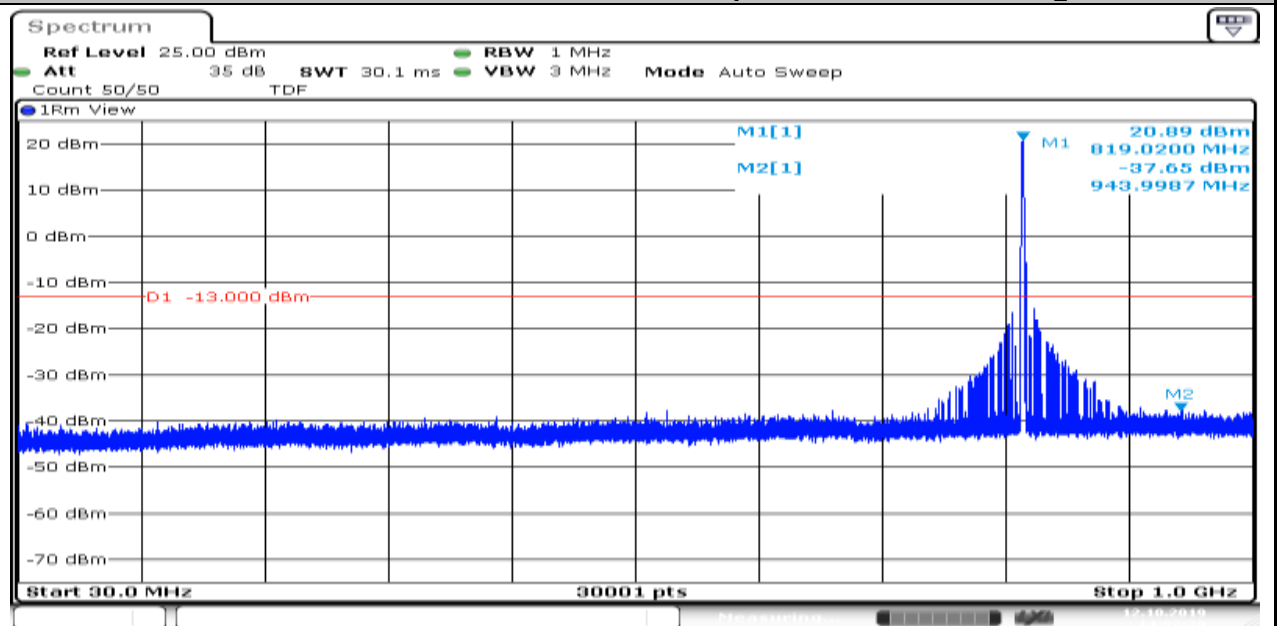
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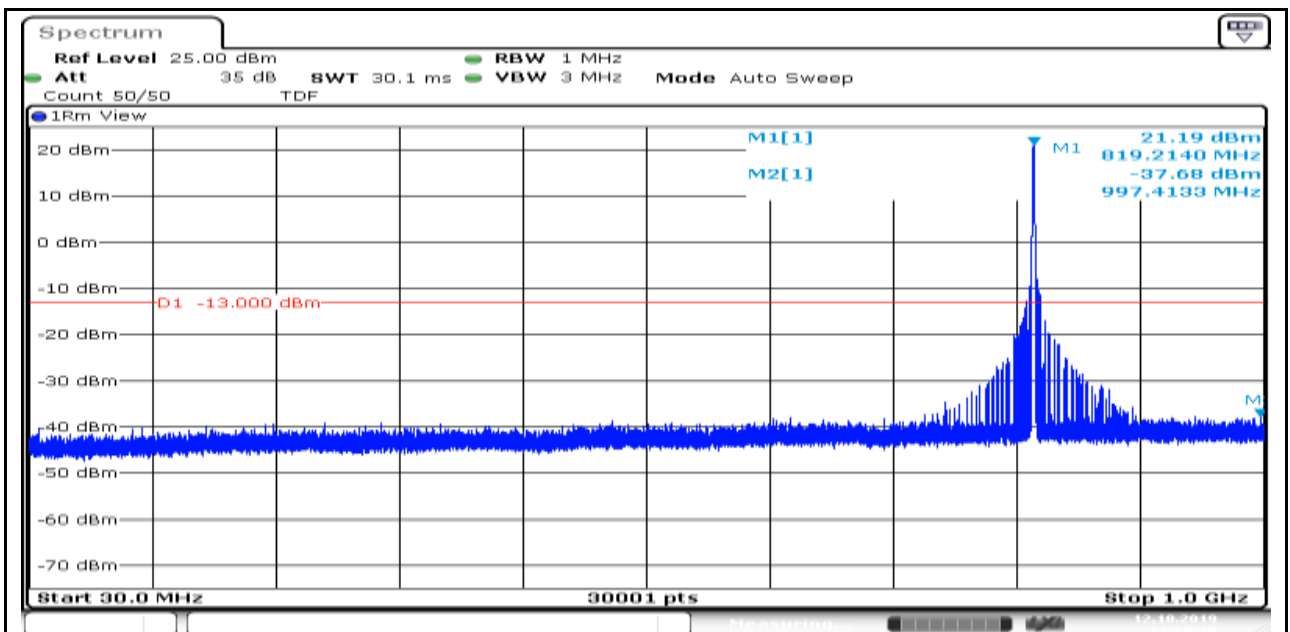
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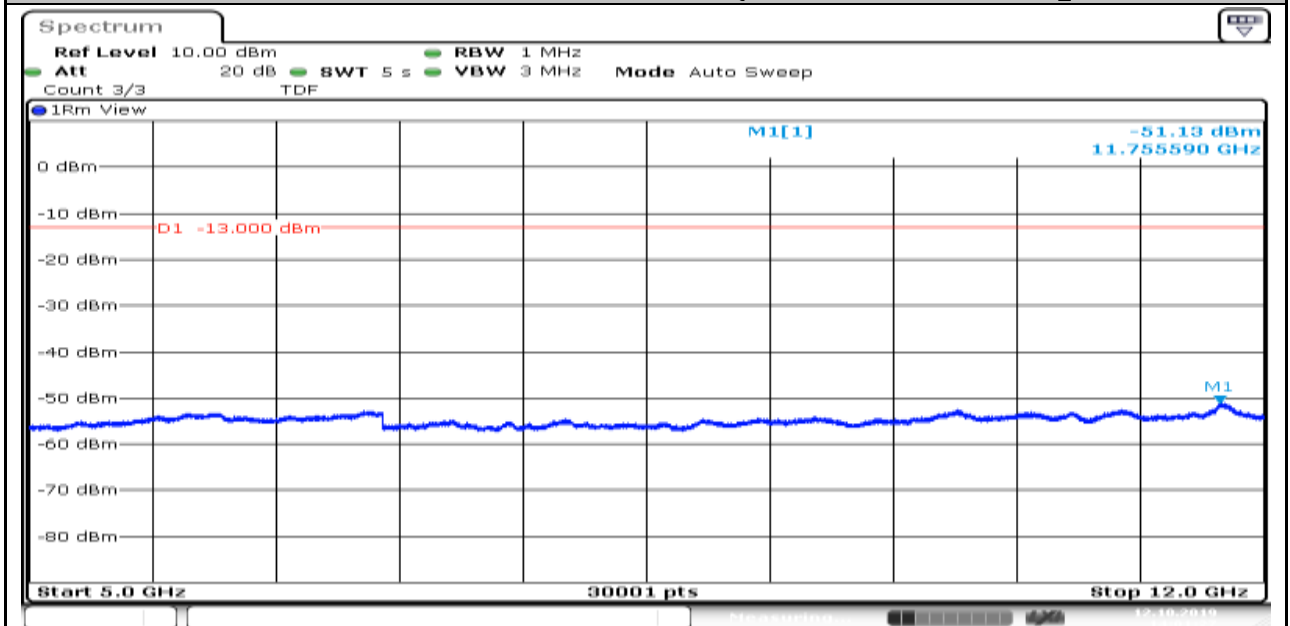
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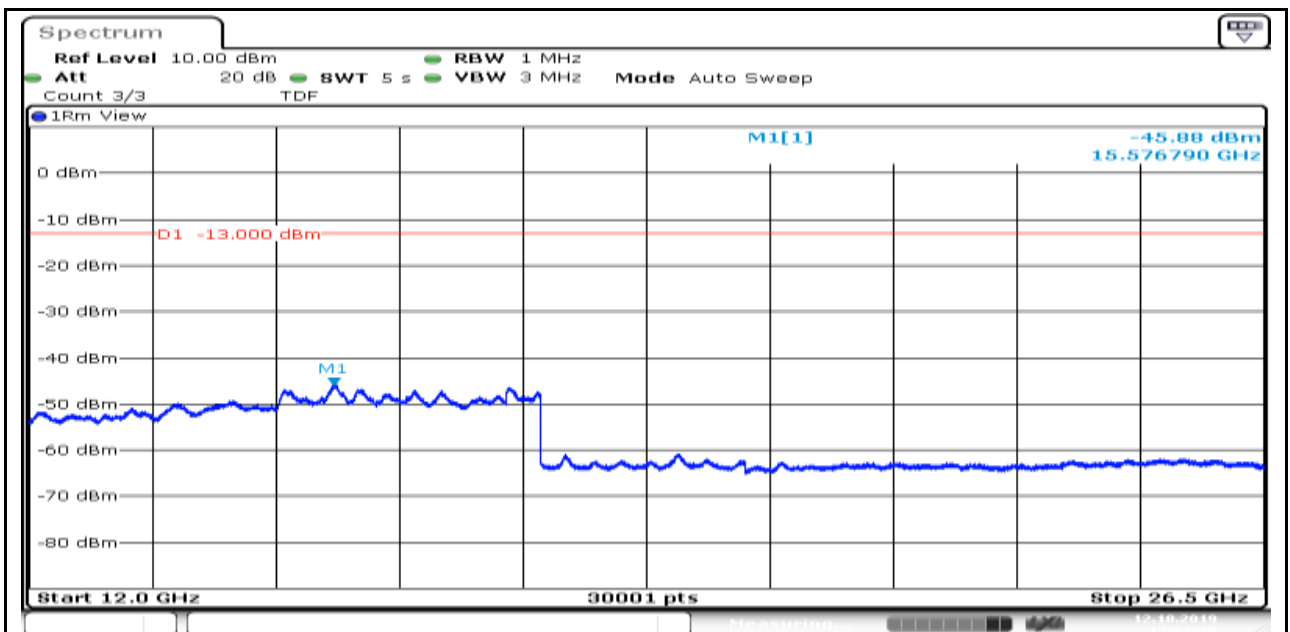
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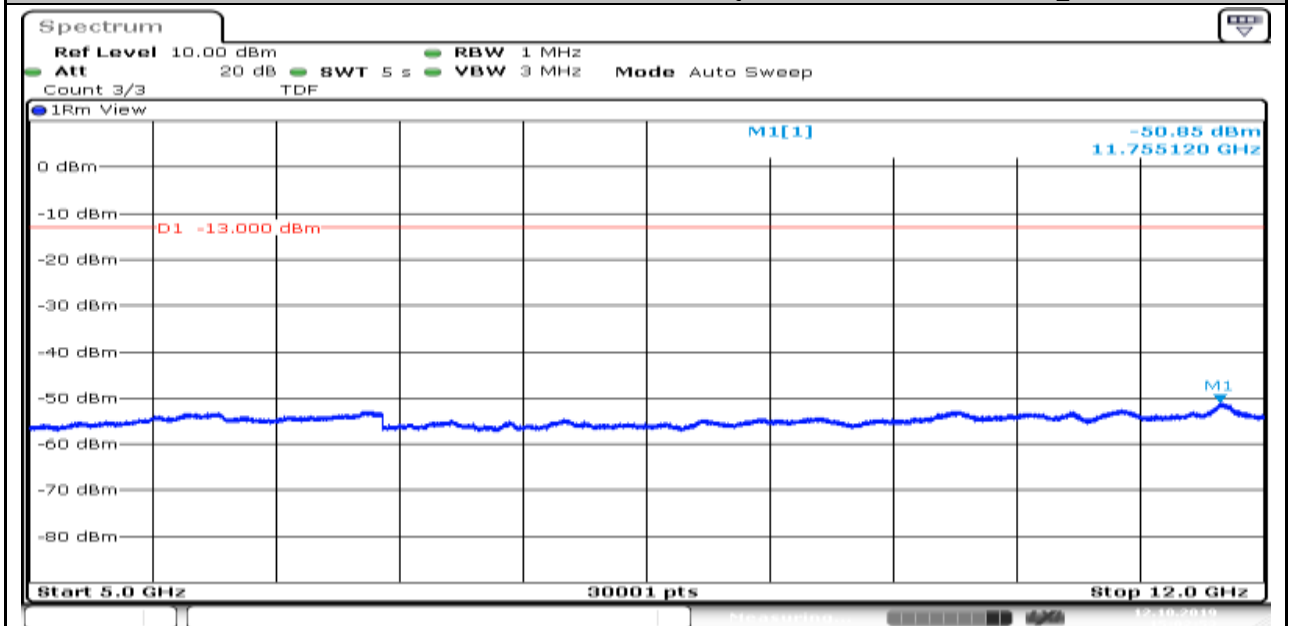
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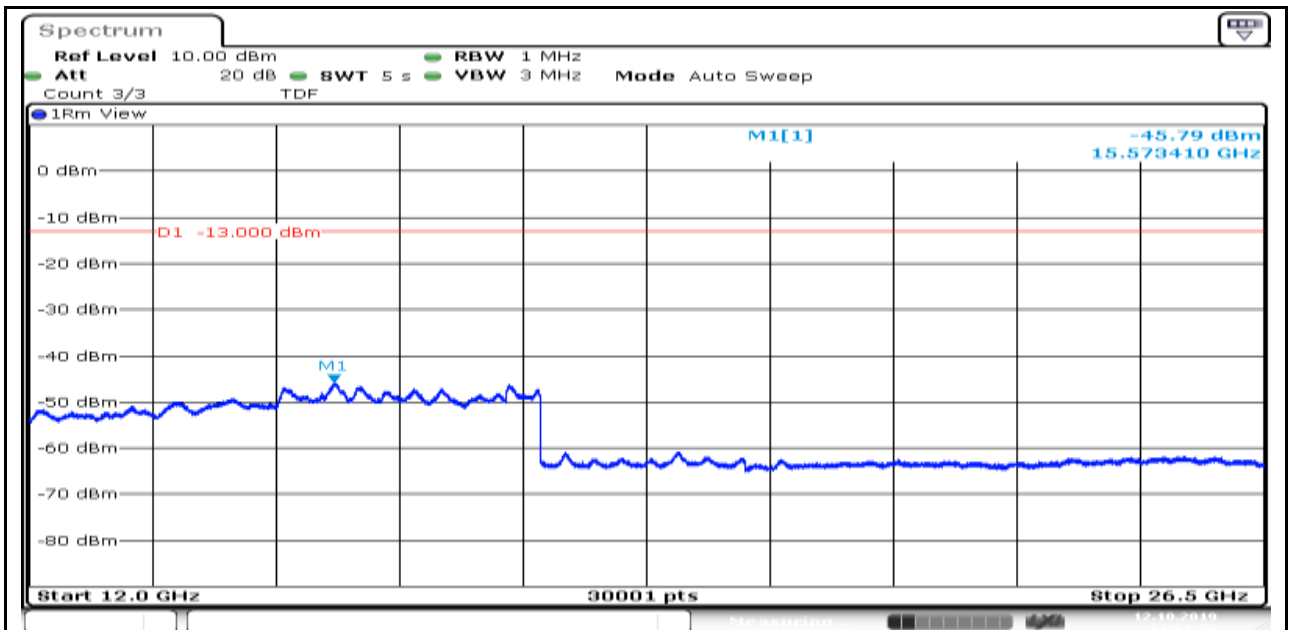
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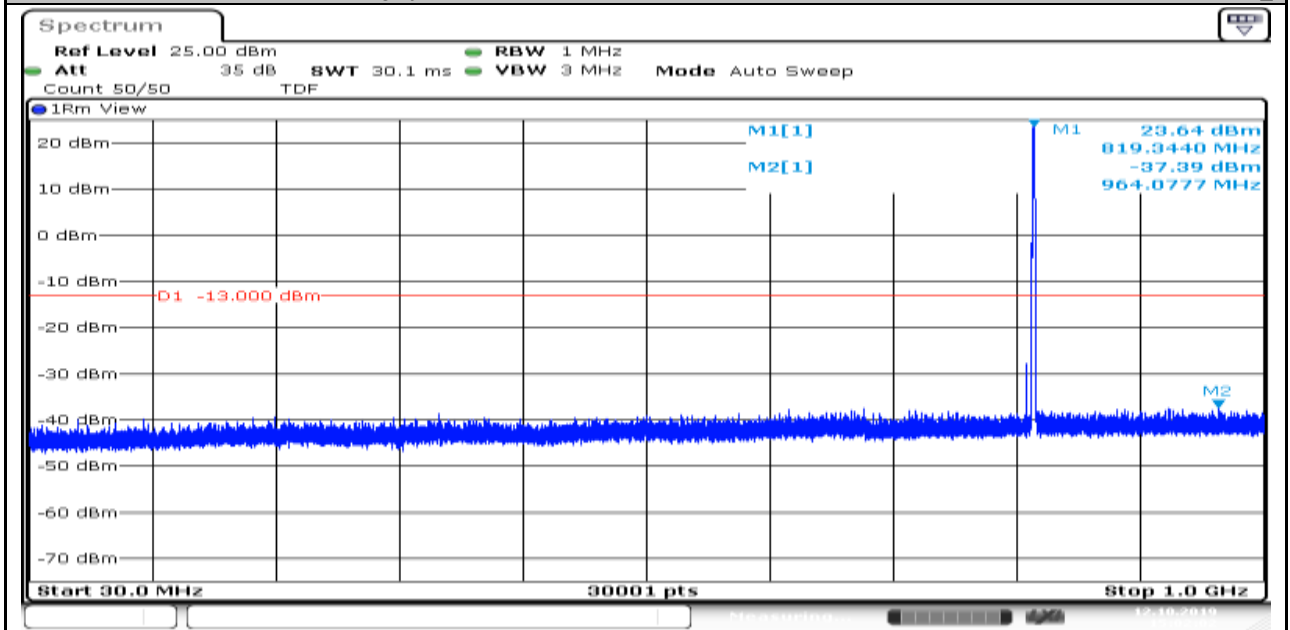
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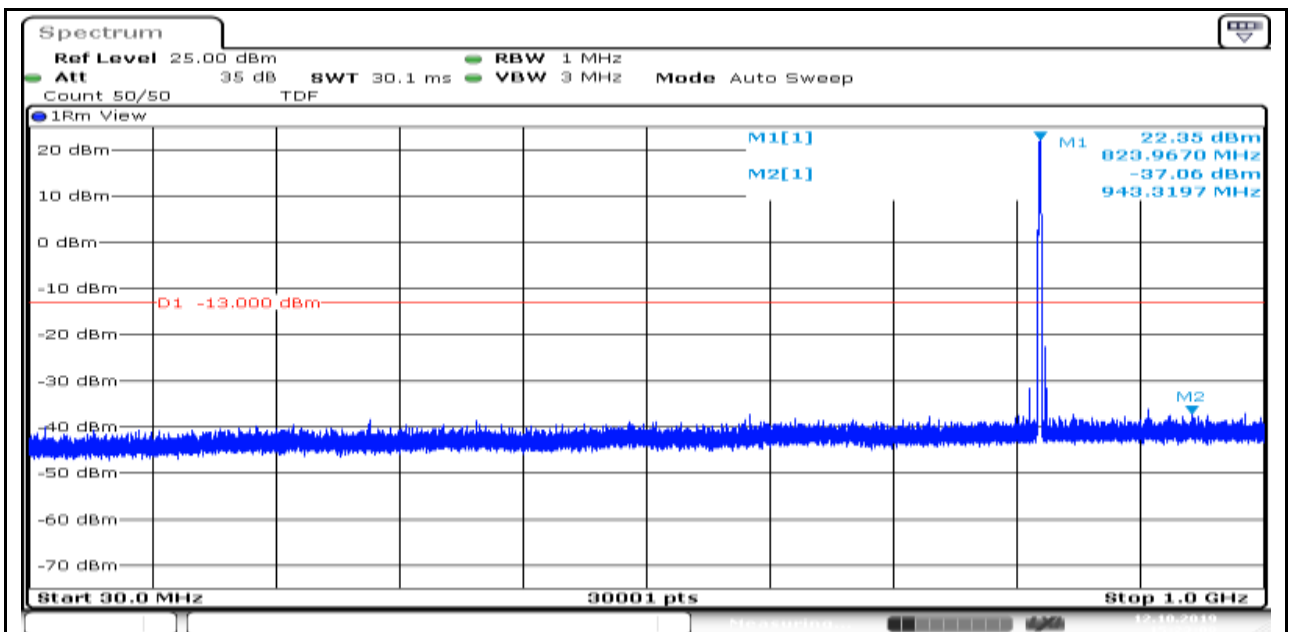
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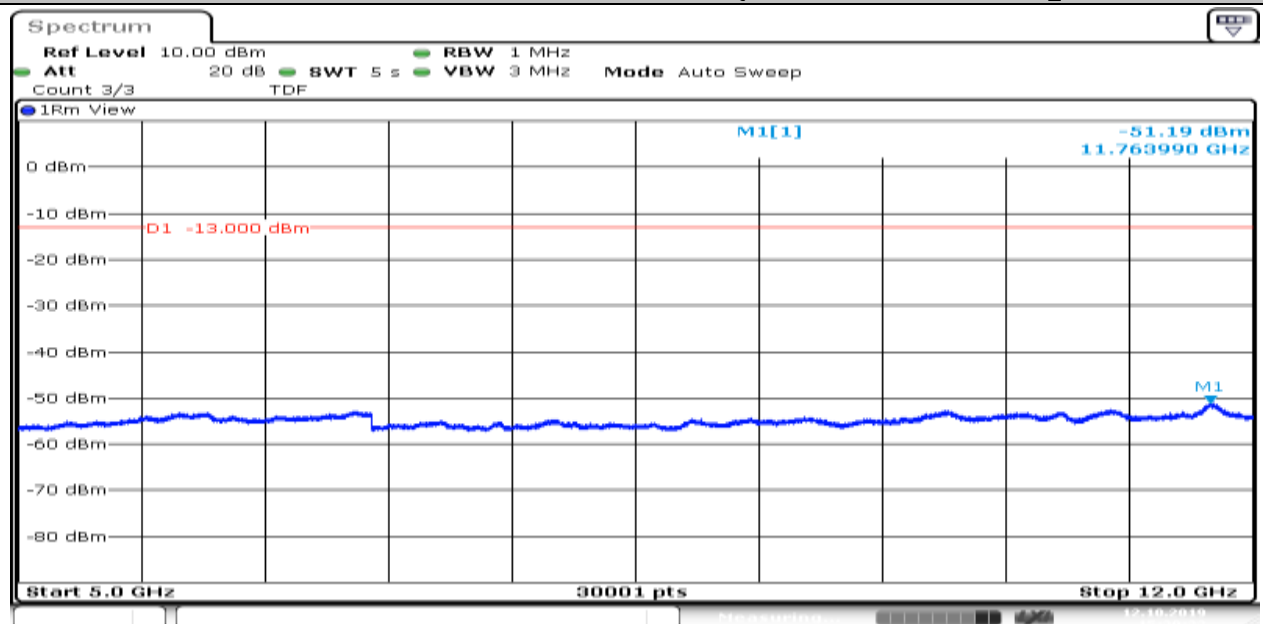
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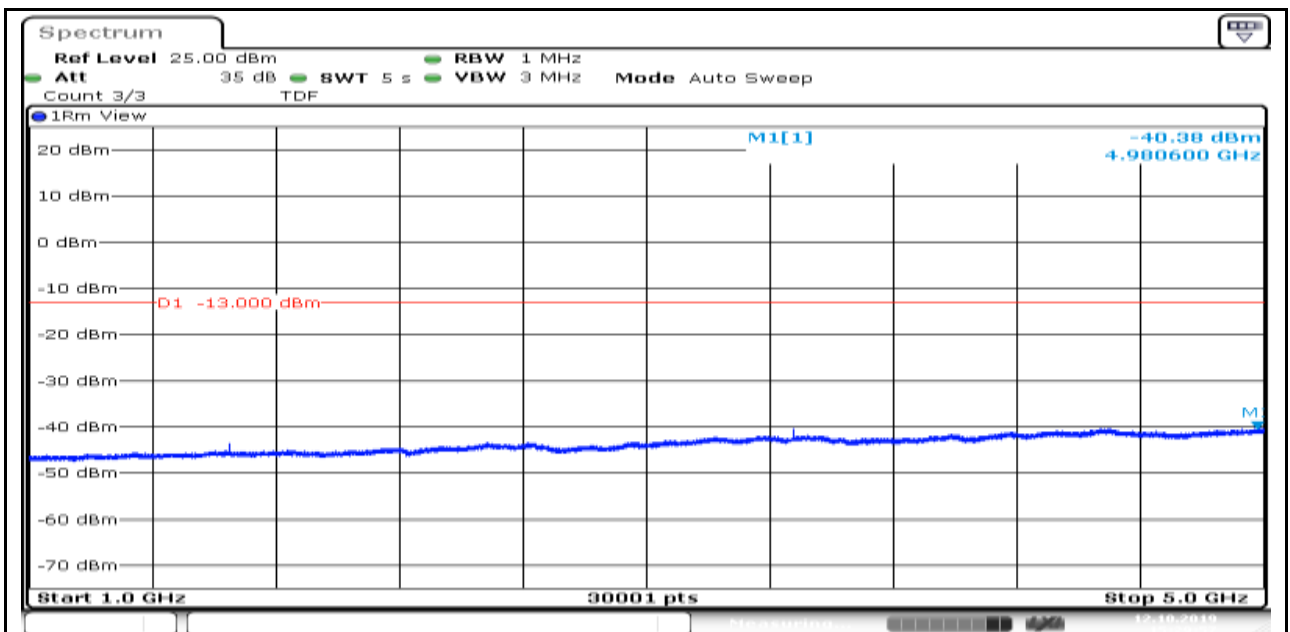
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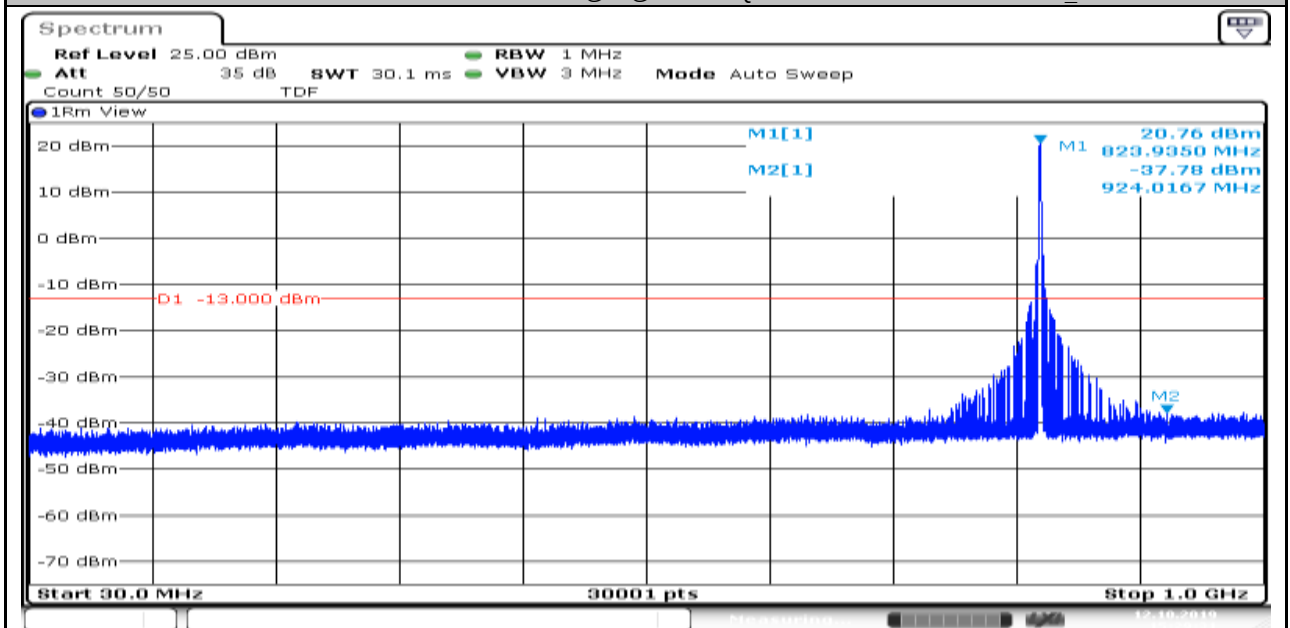
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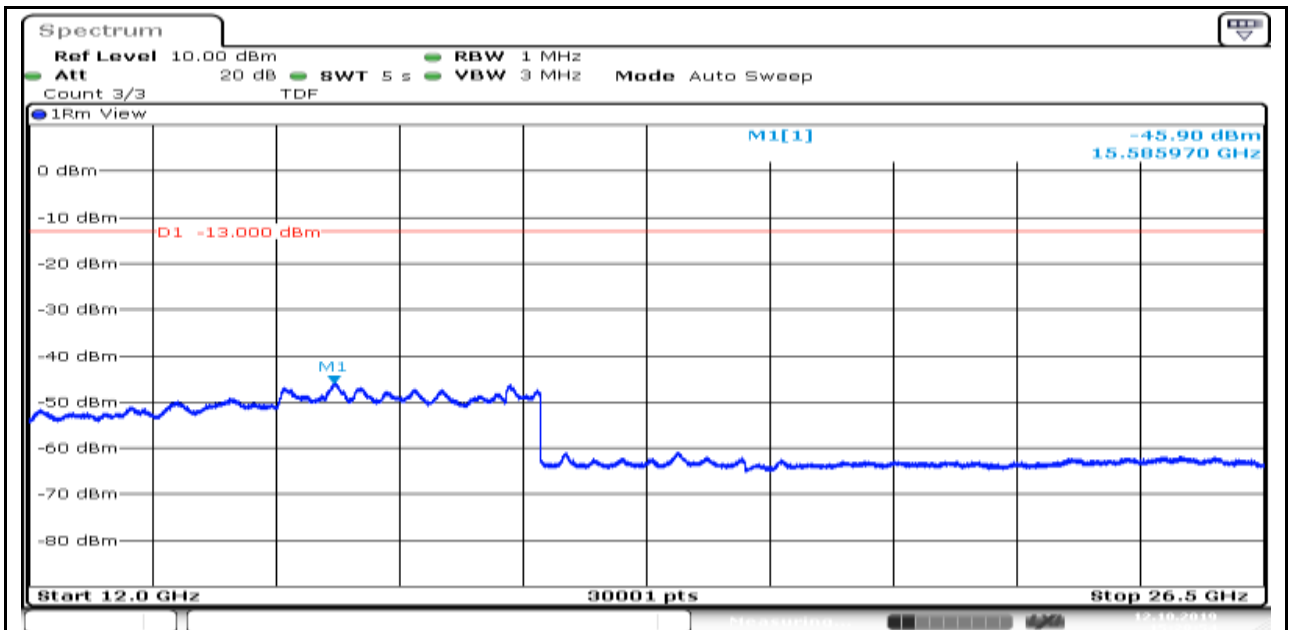
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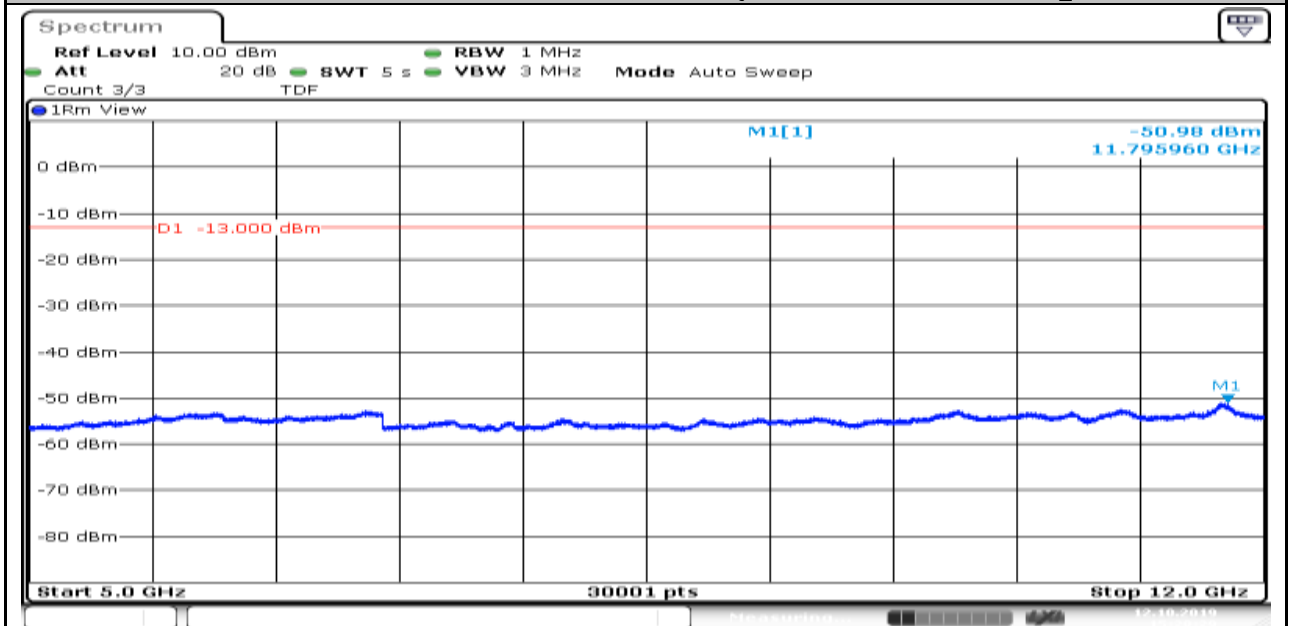
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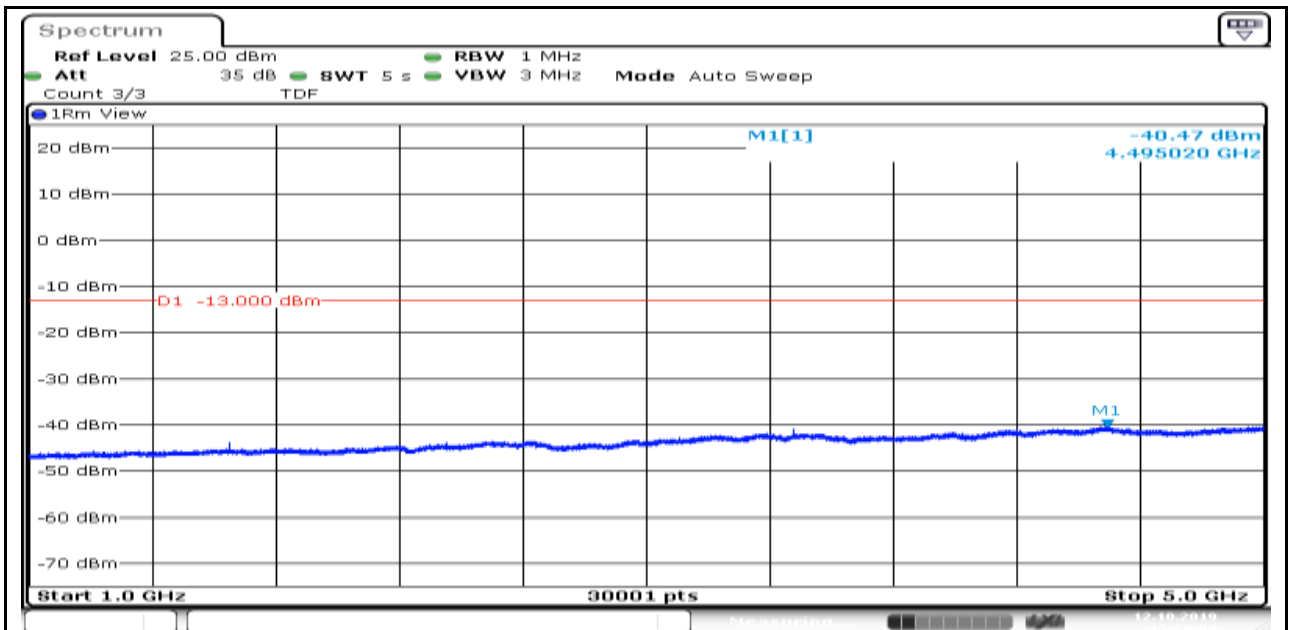
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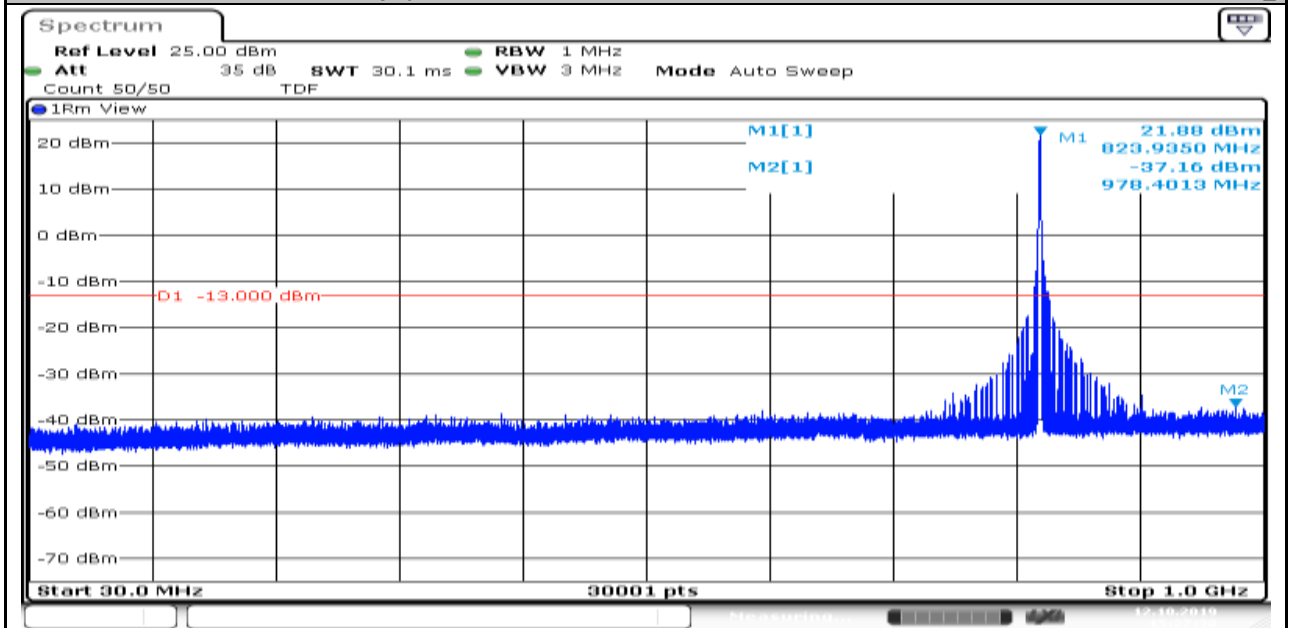
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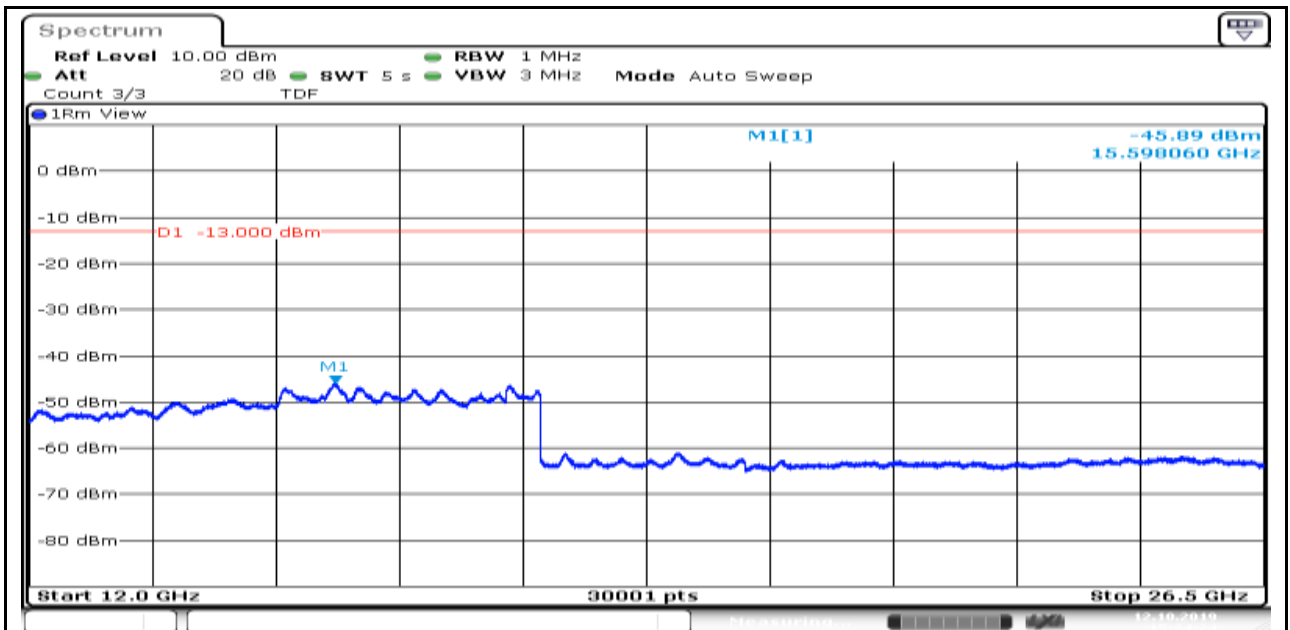
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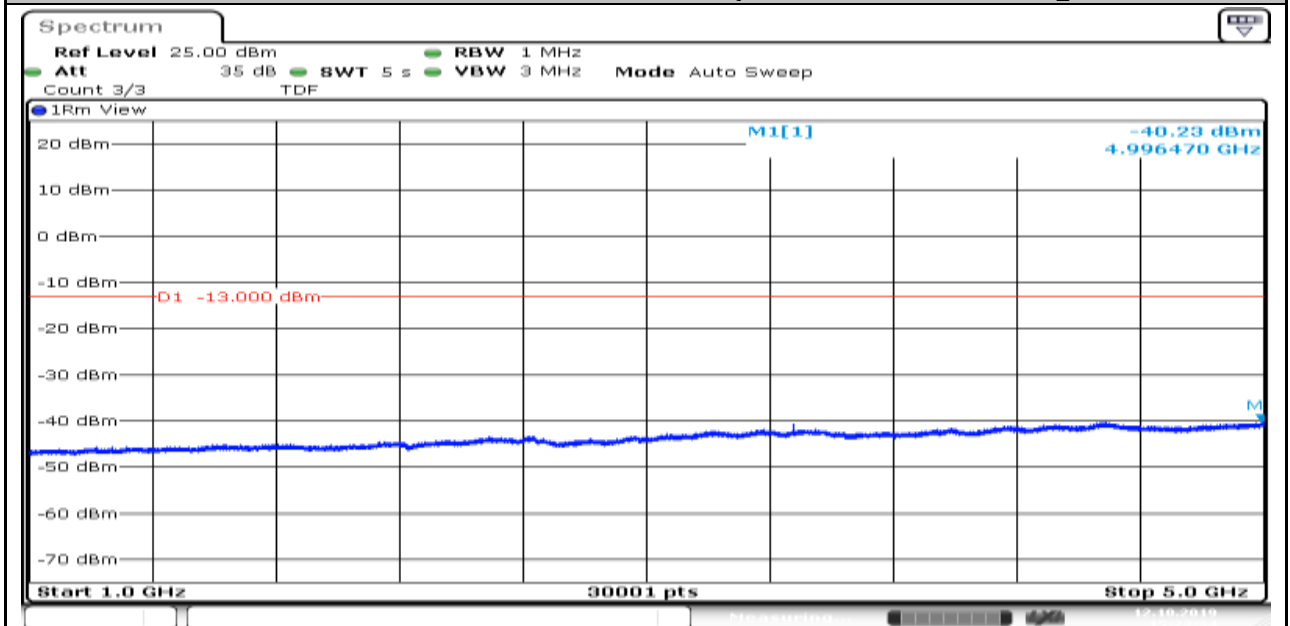
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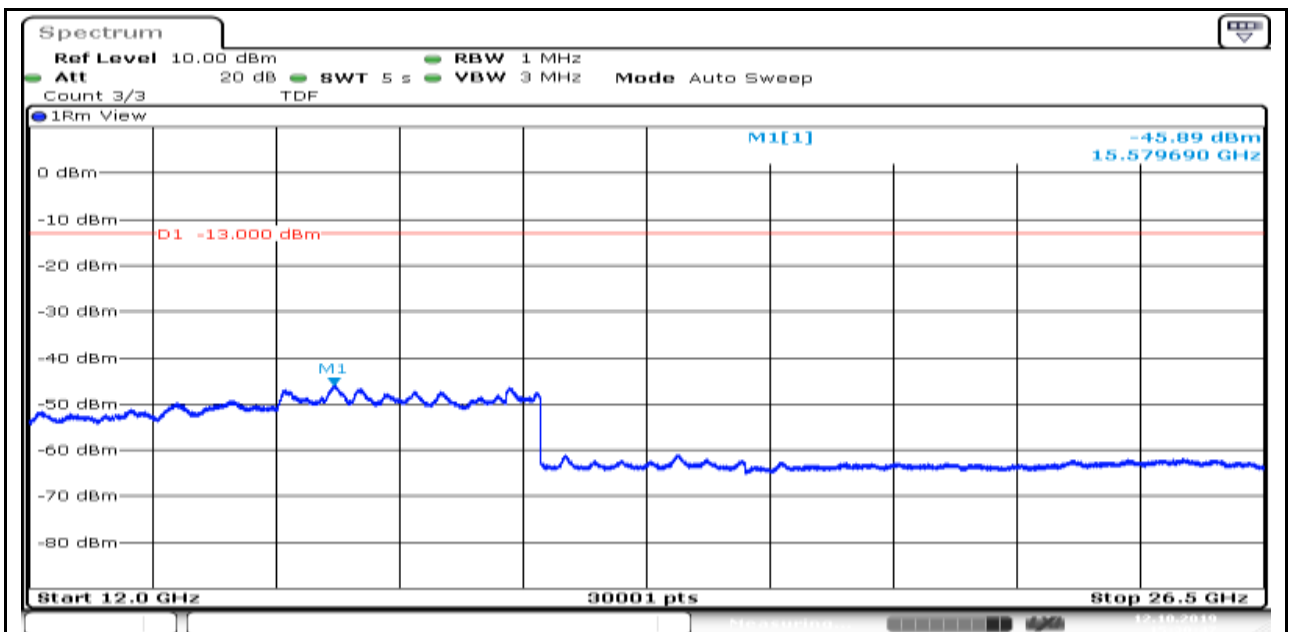
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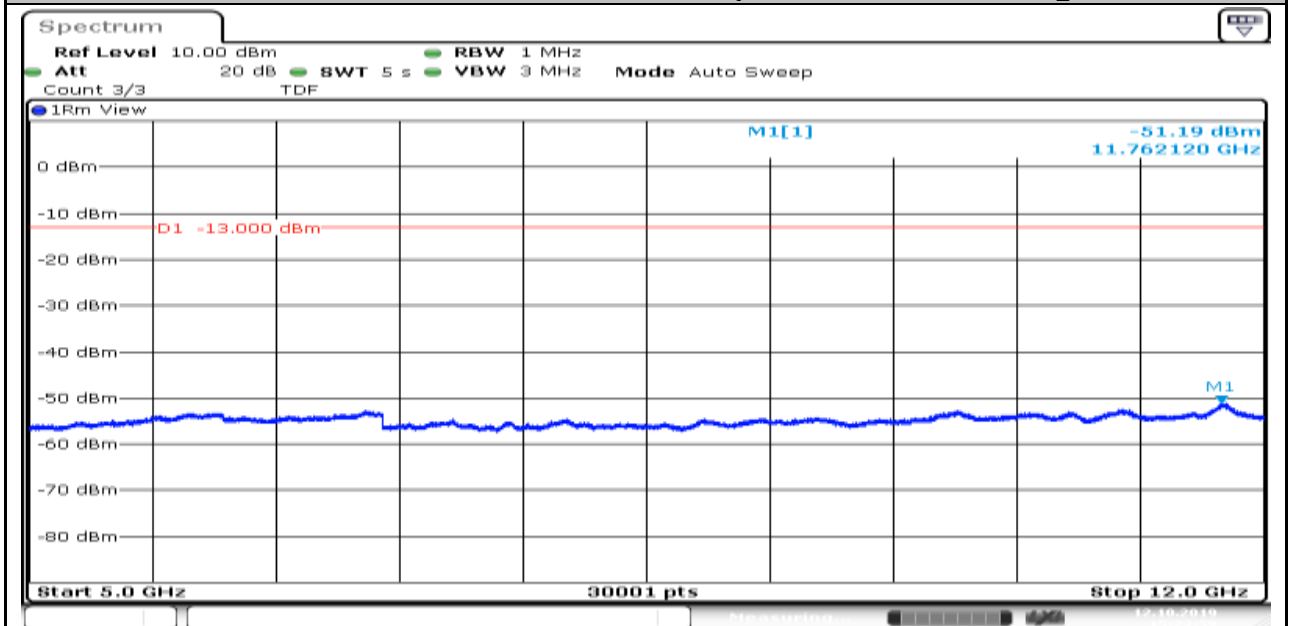
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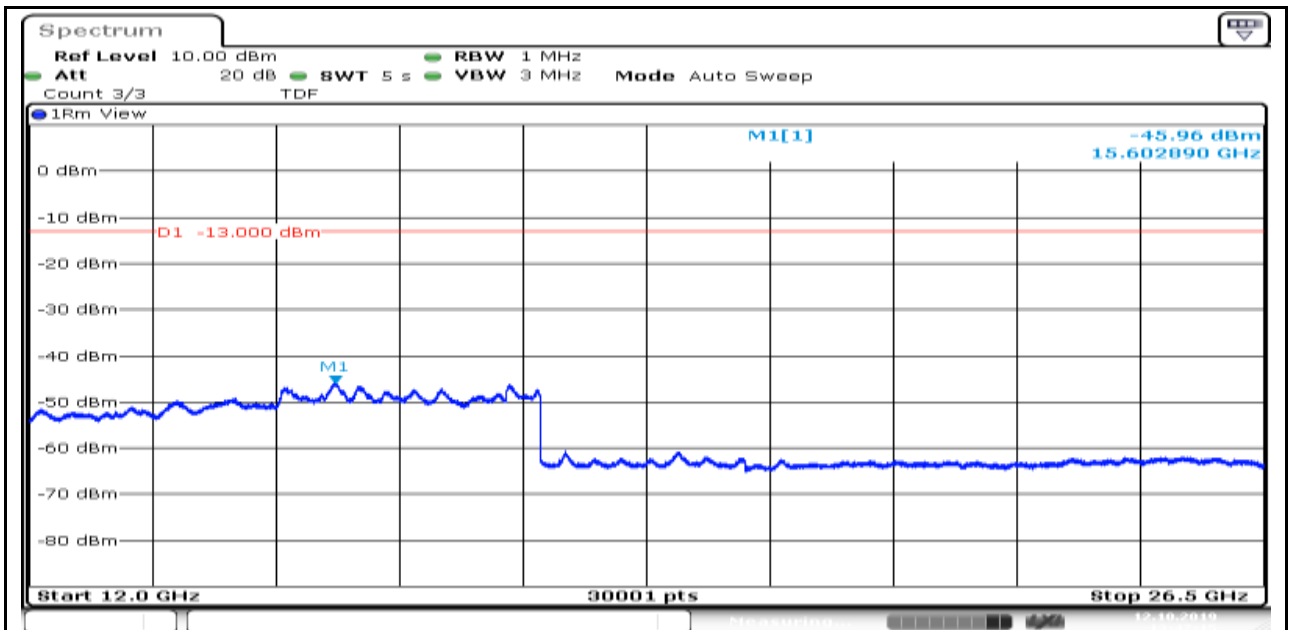
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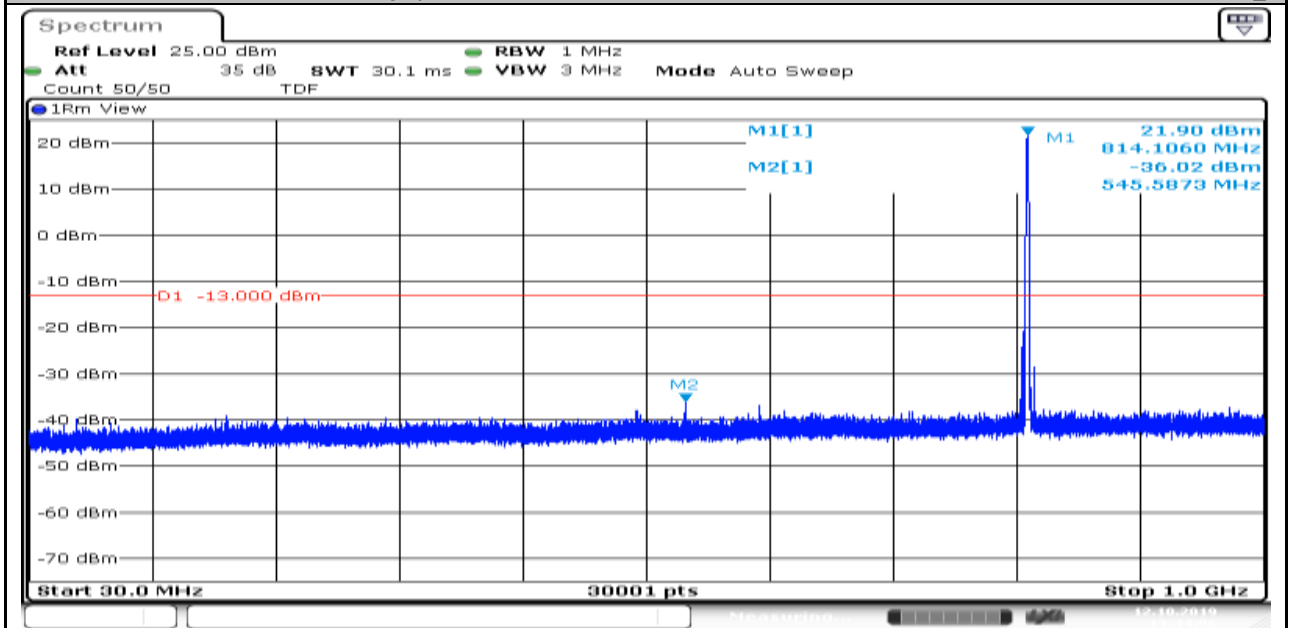
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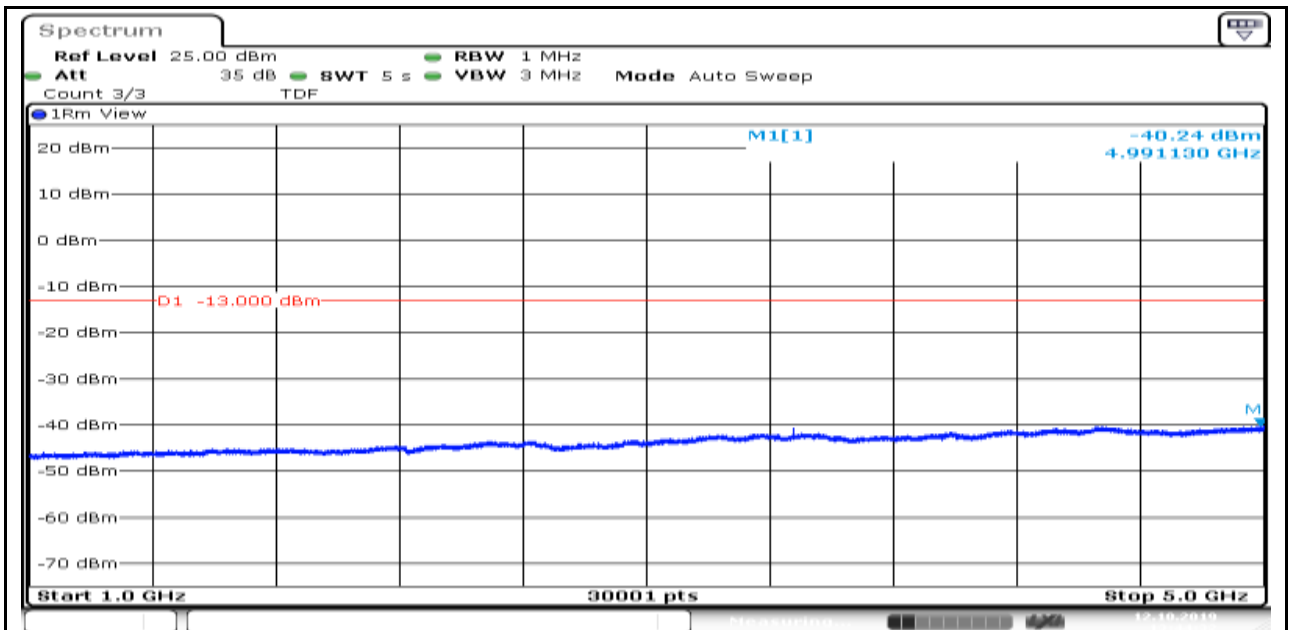
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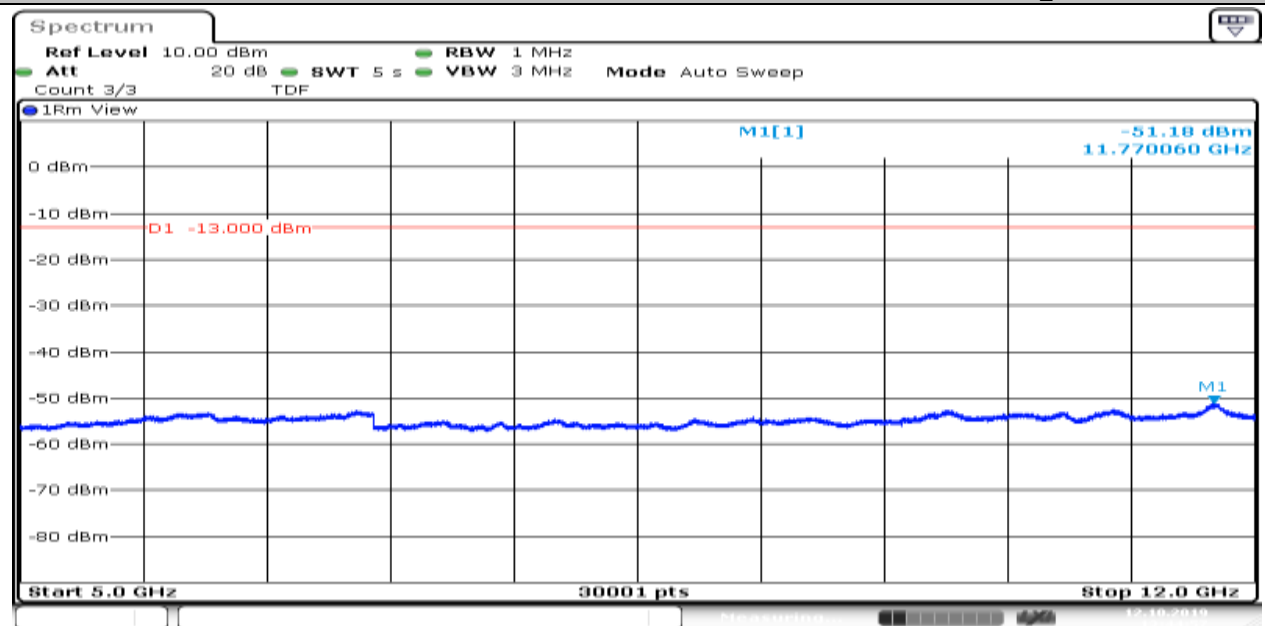
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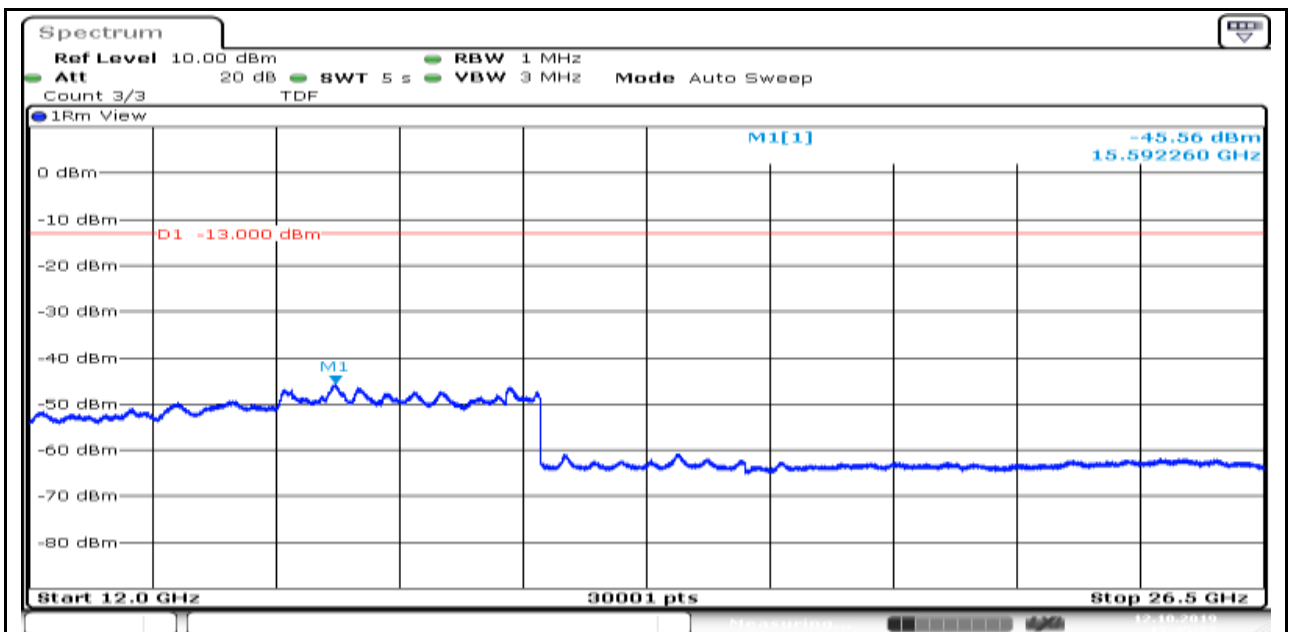
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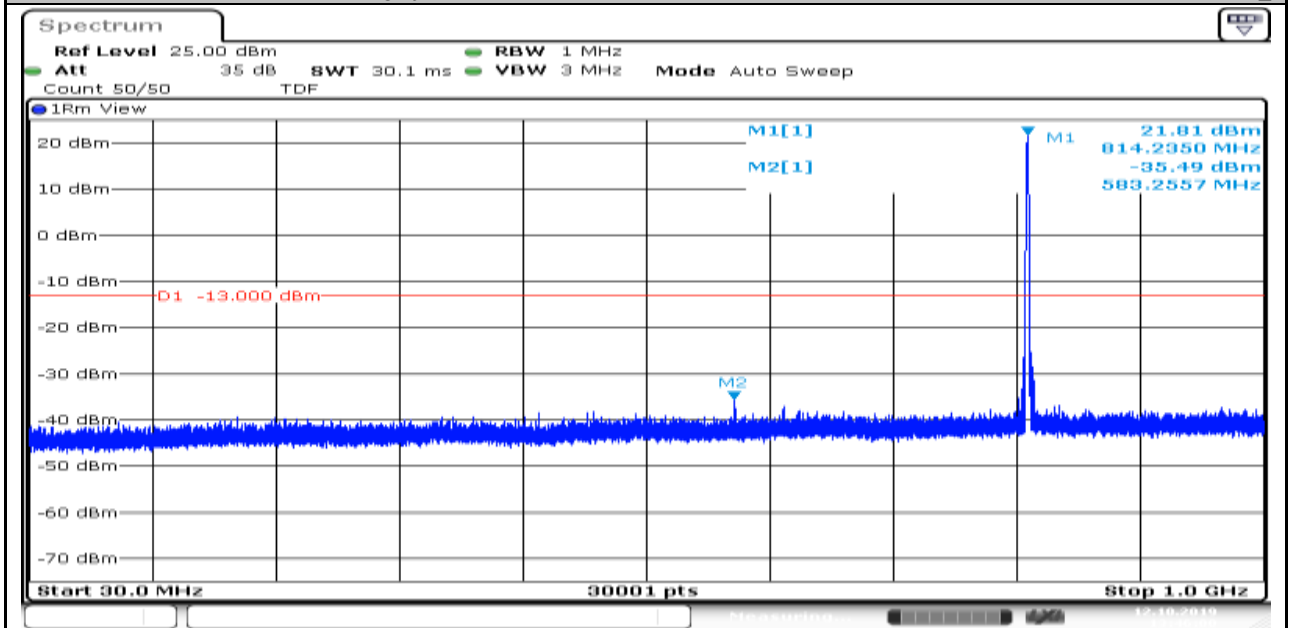
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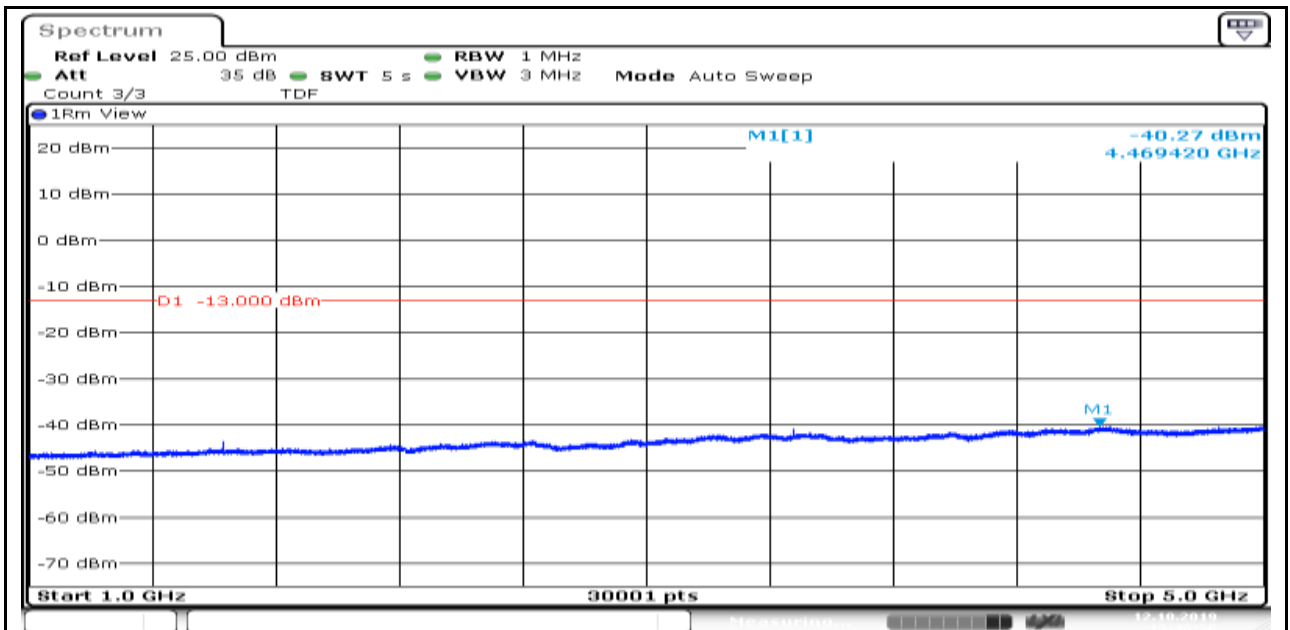
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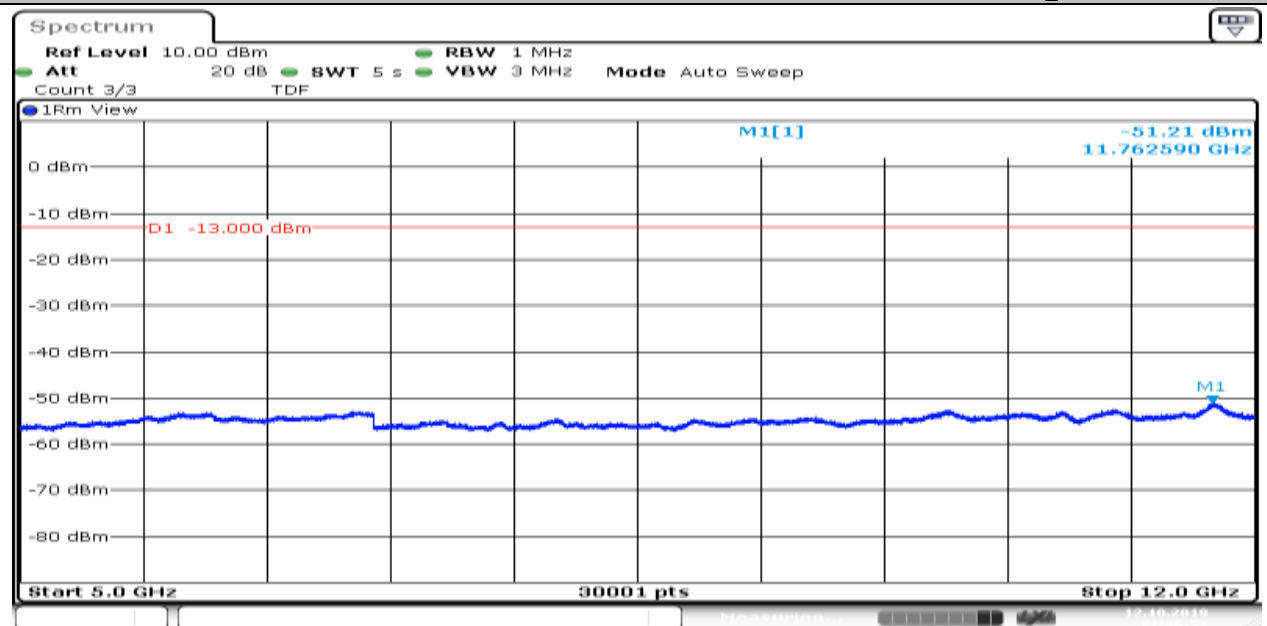
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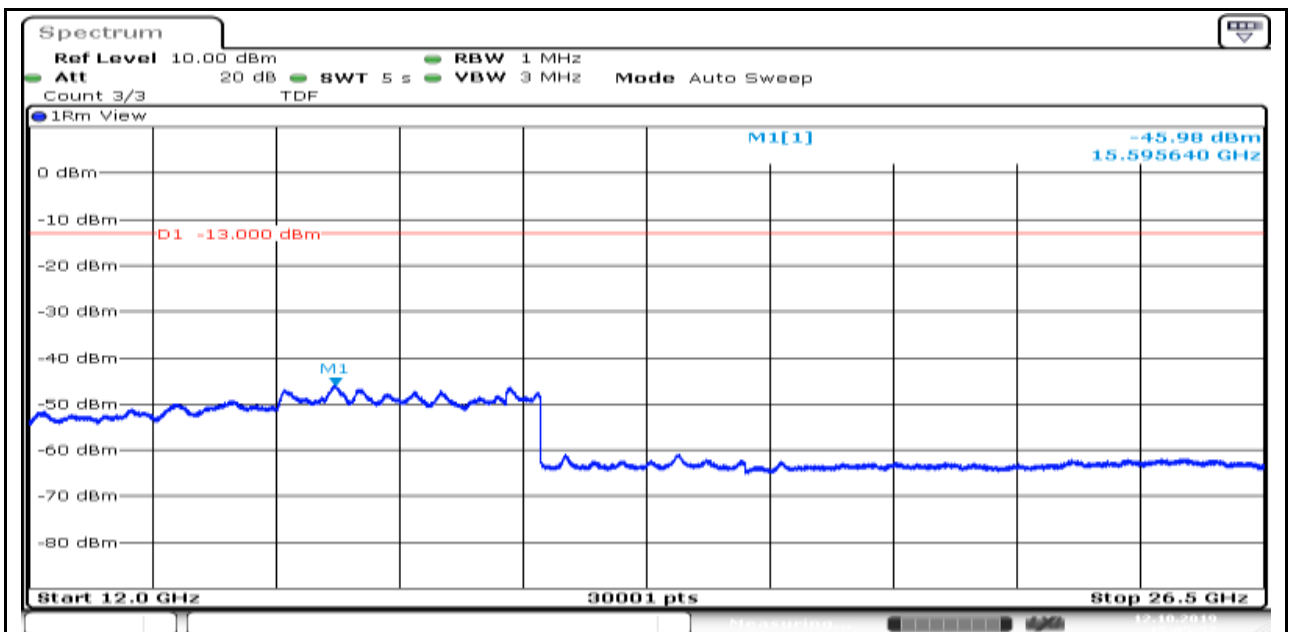
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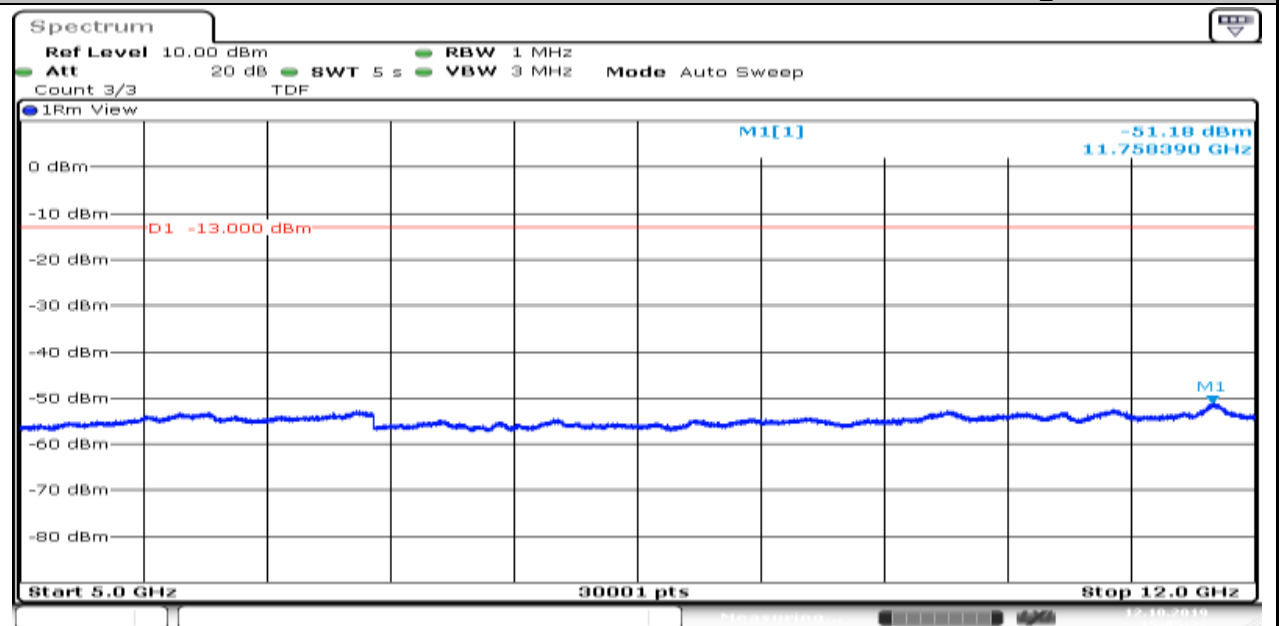
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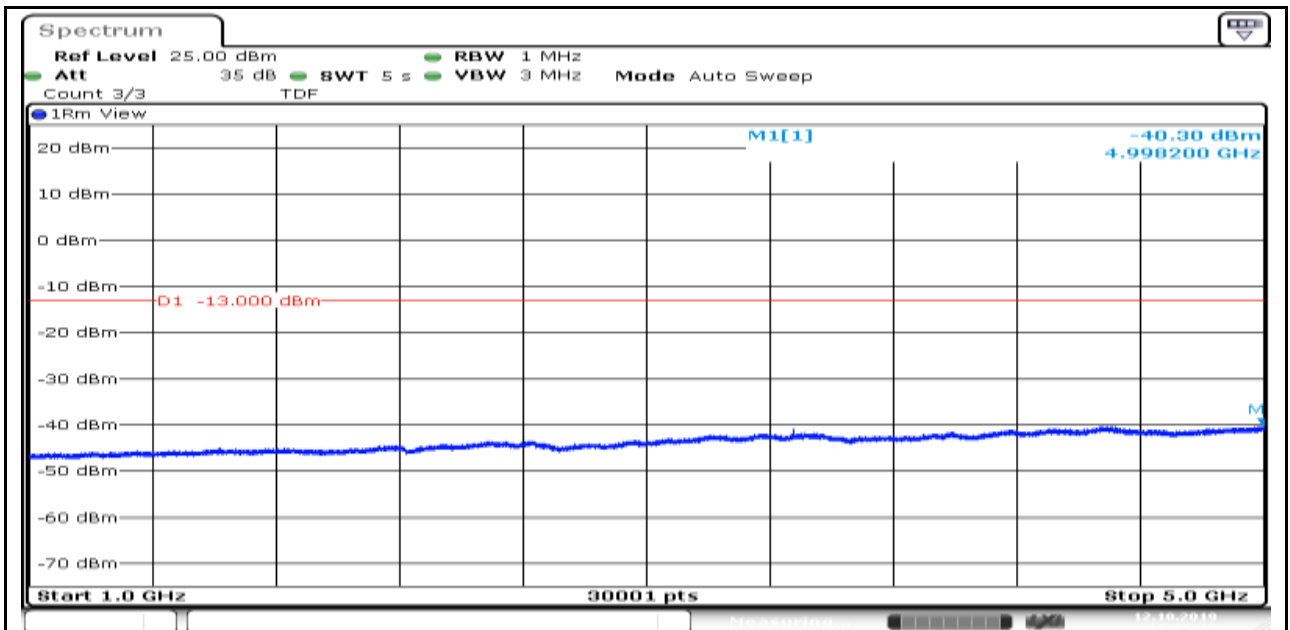
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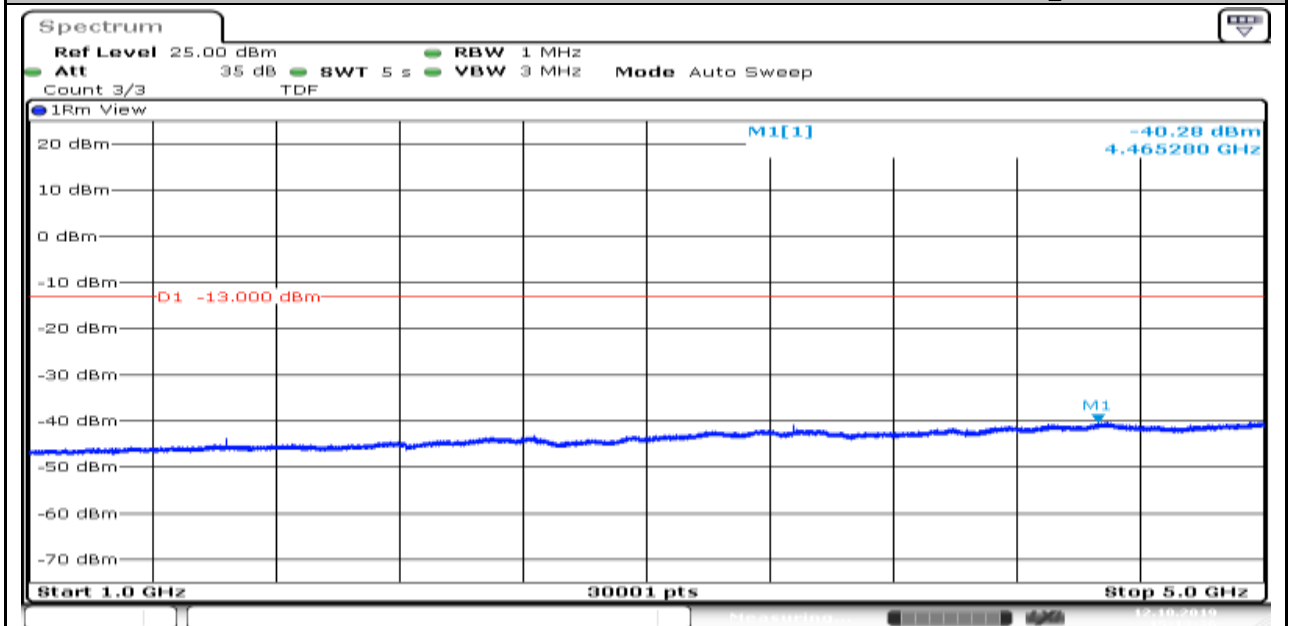
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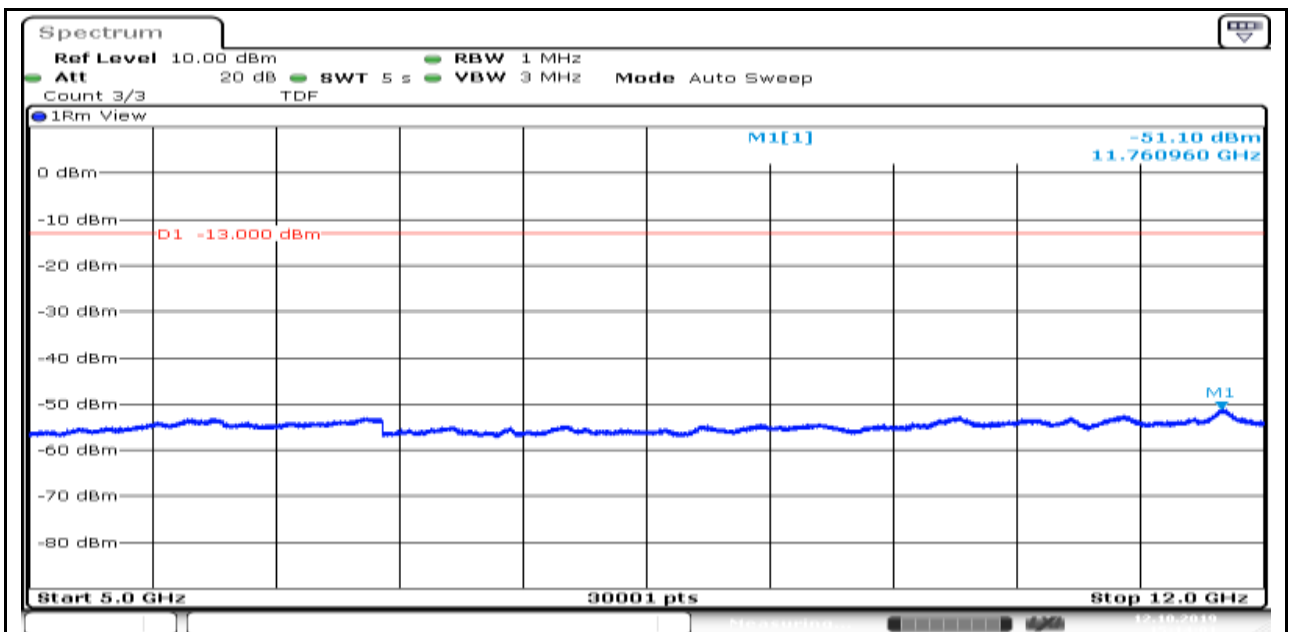
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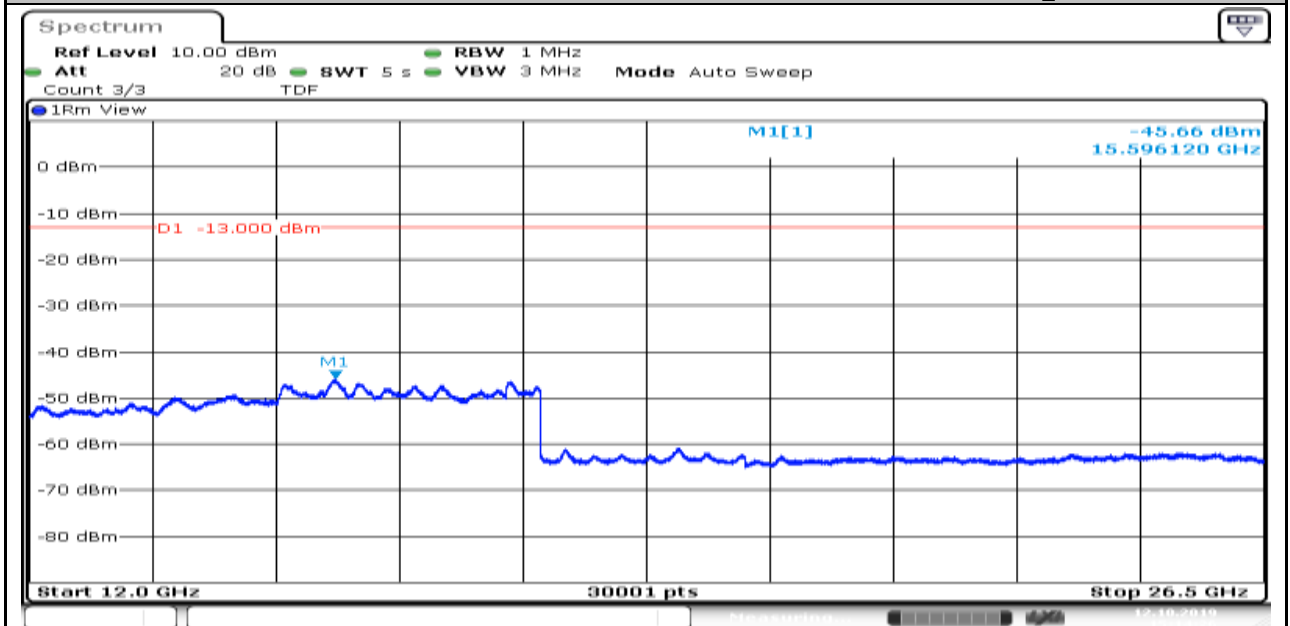
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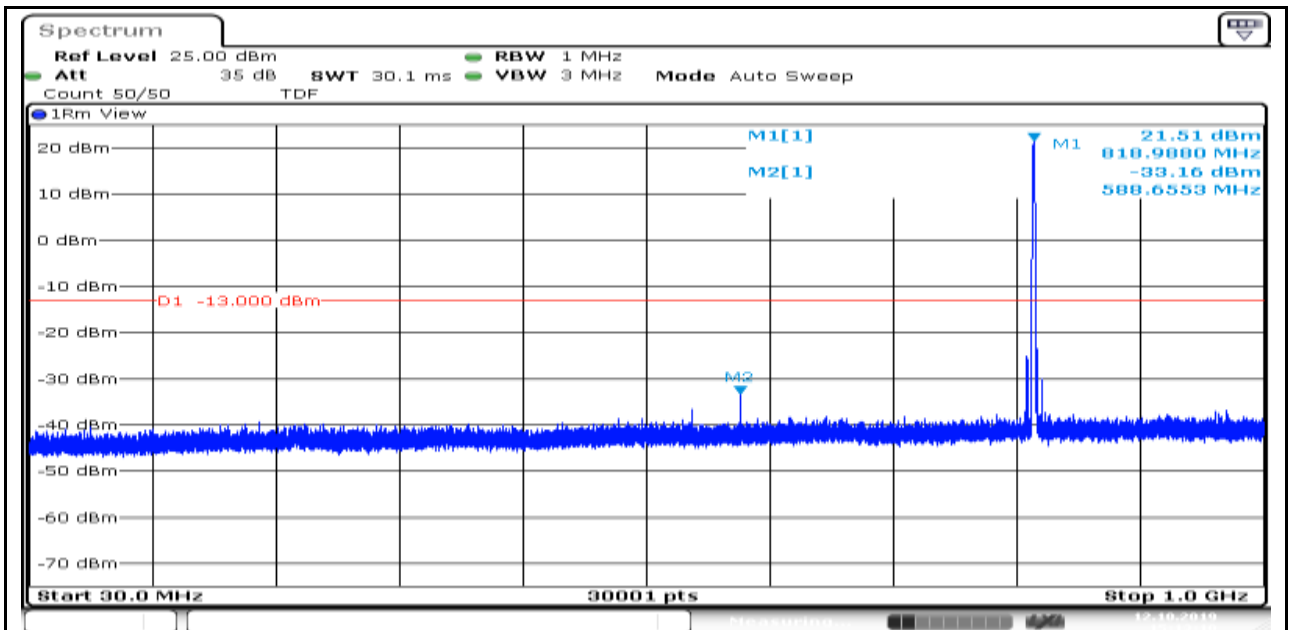
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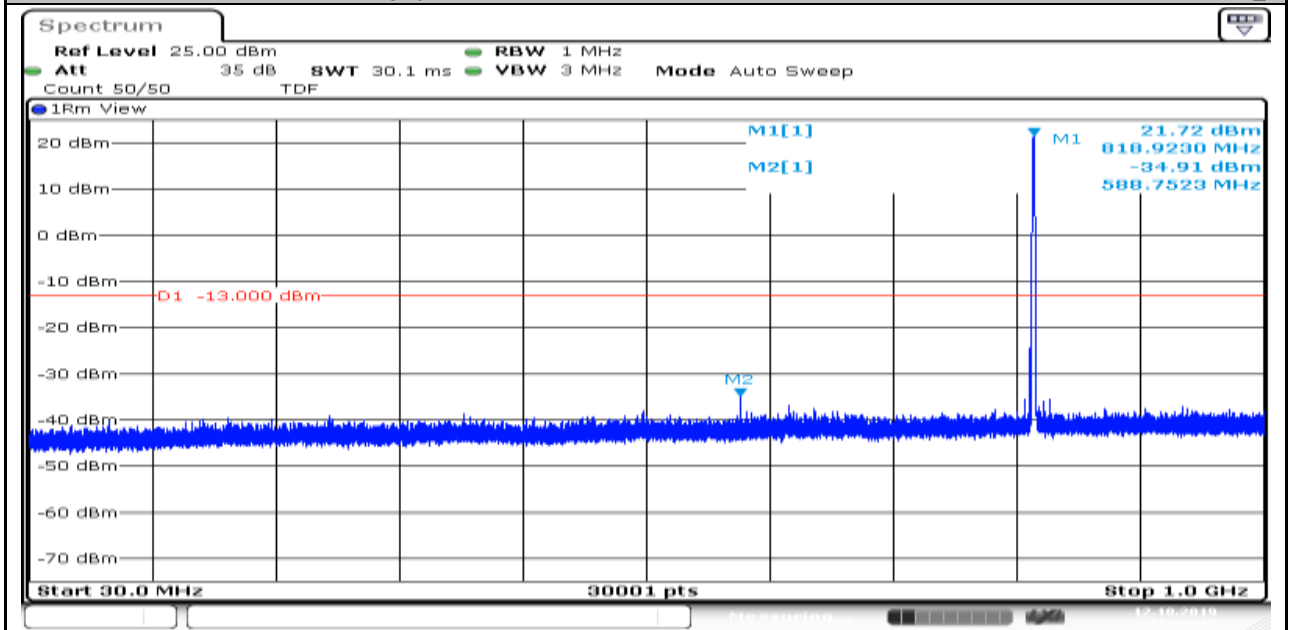
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Spurious emission at antenna terminals for category
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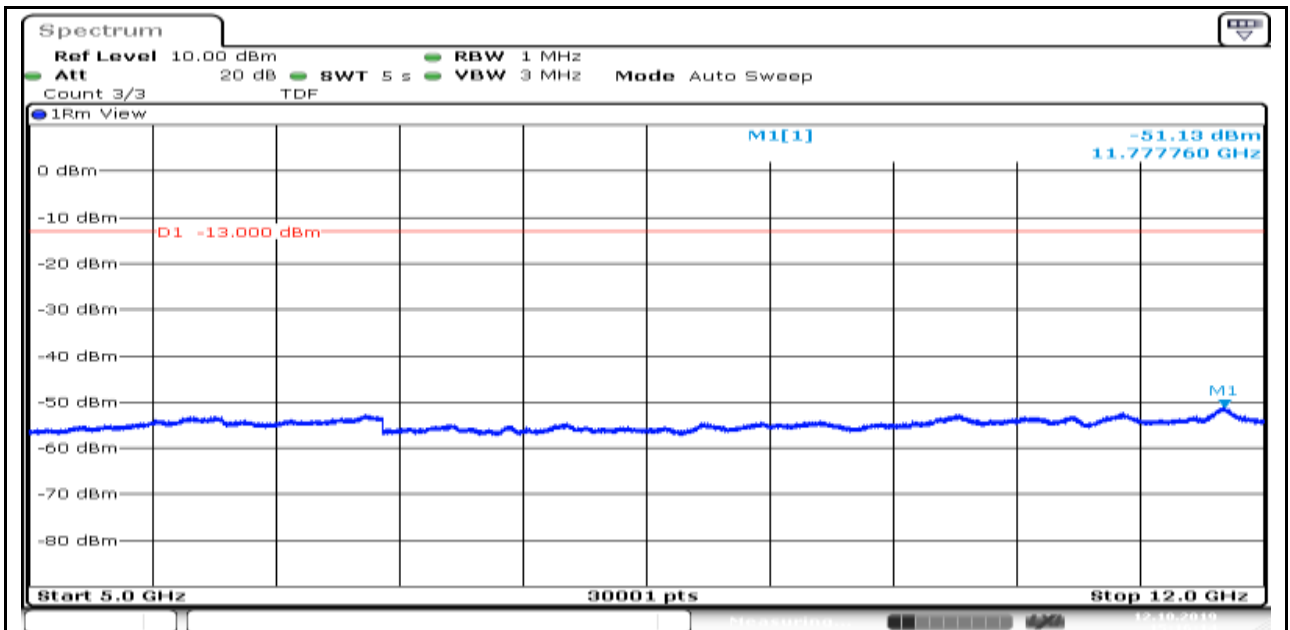


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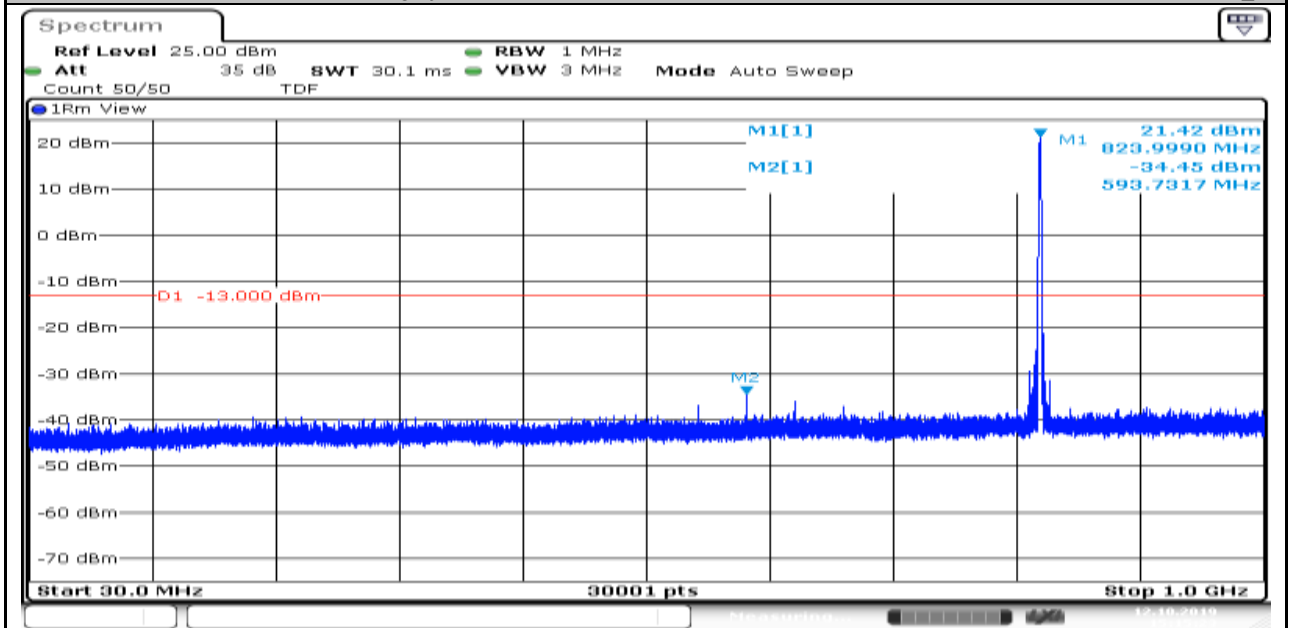


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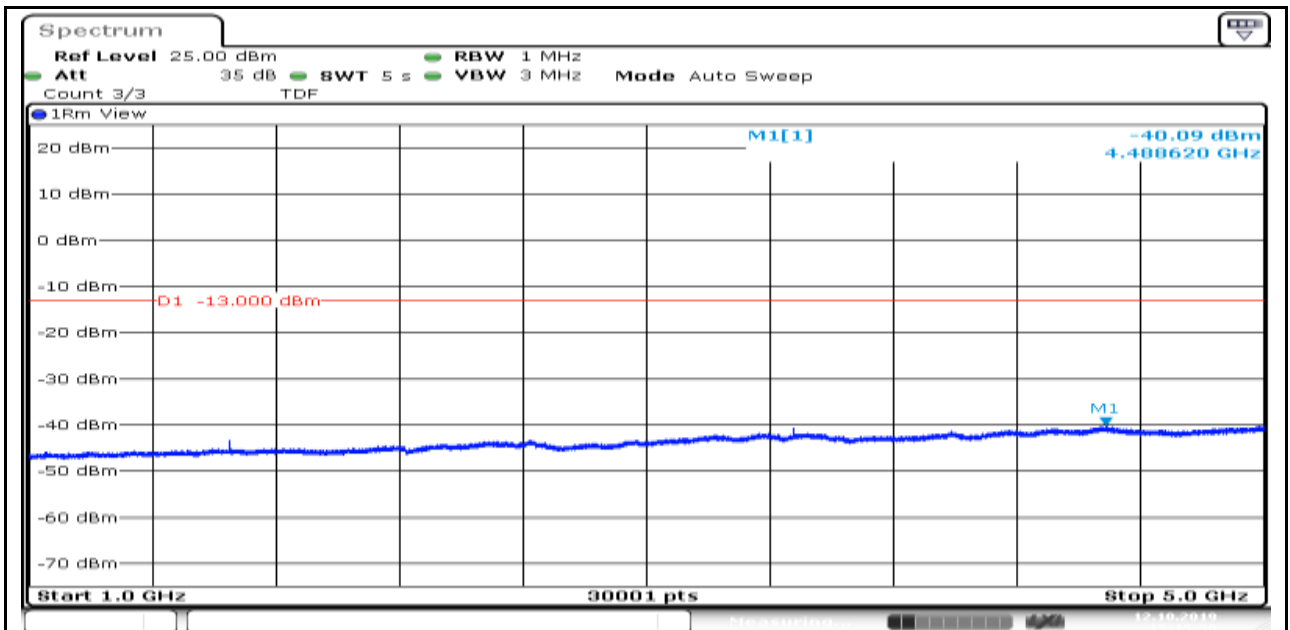
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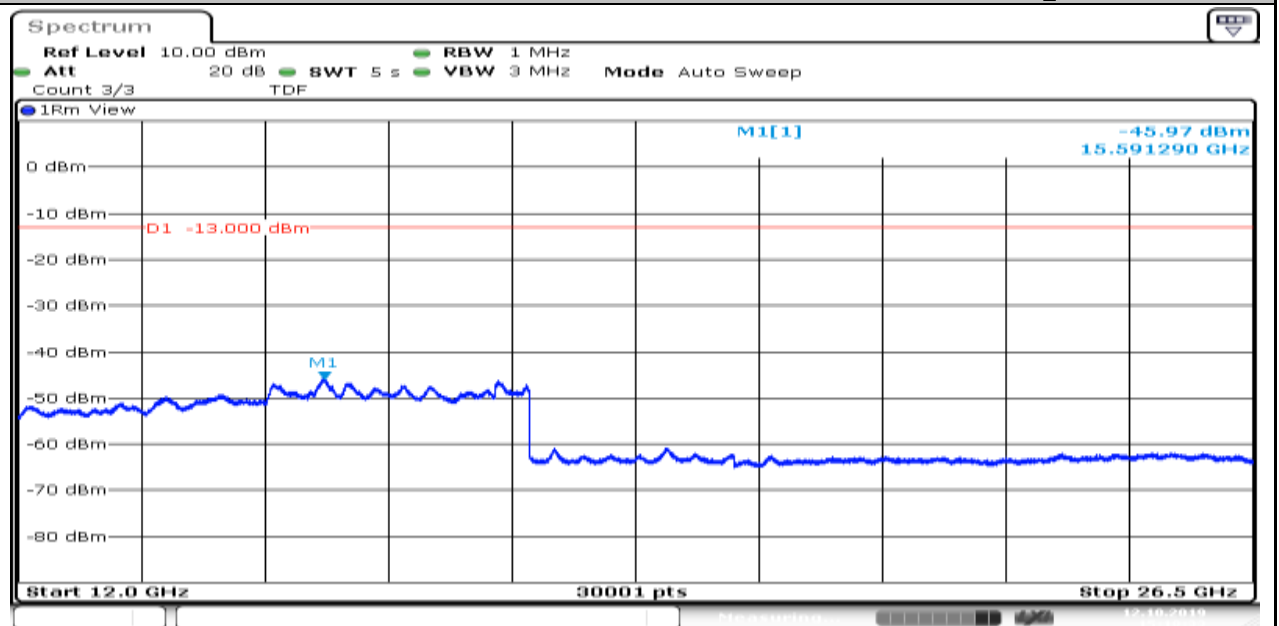
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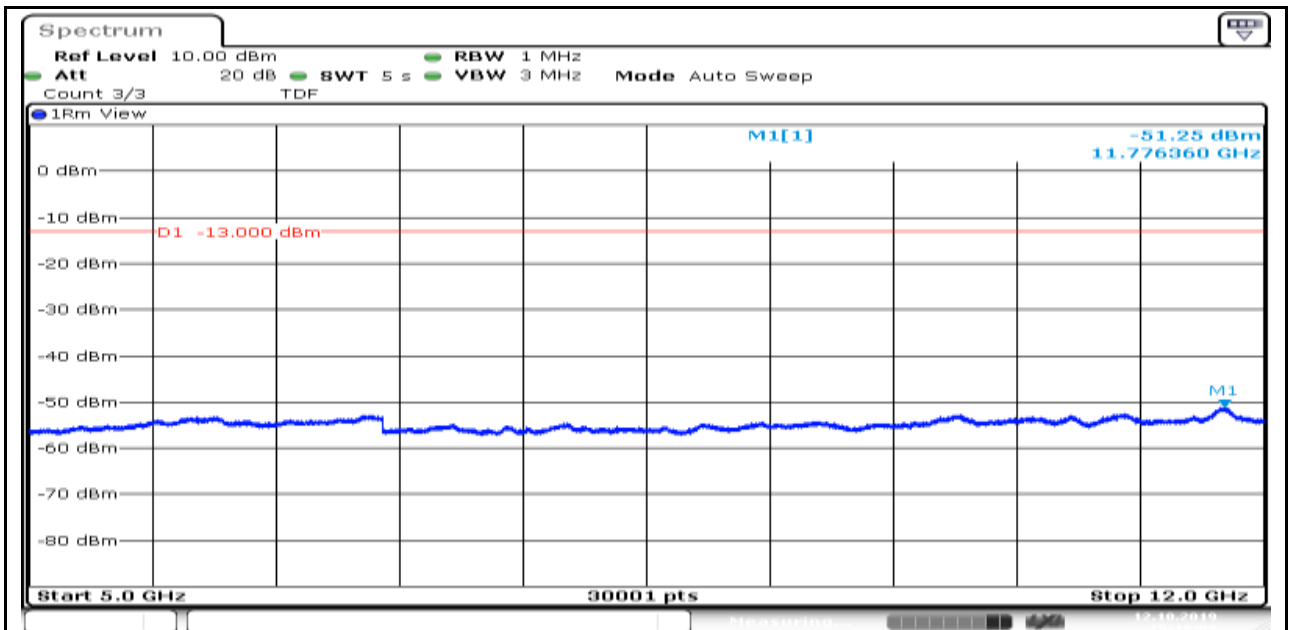
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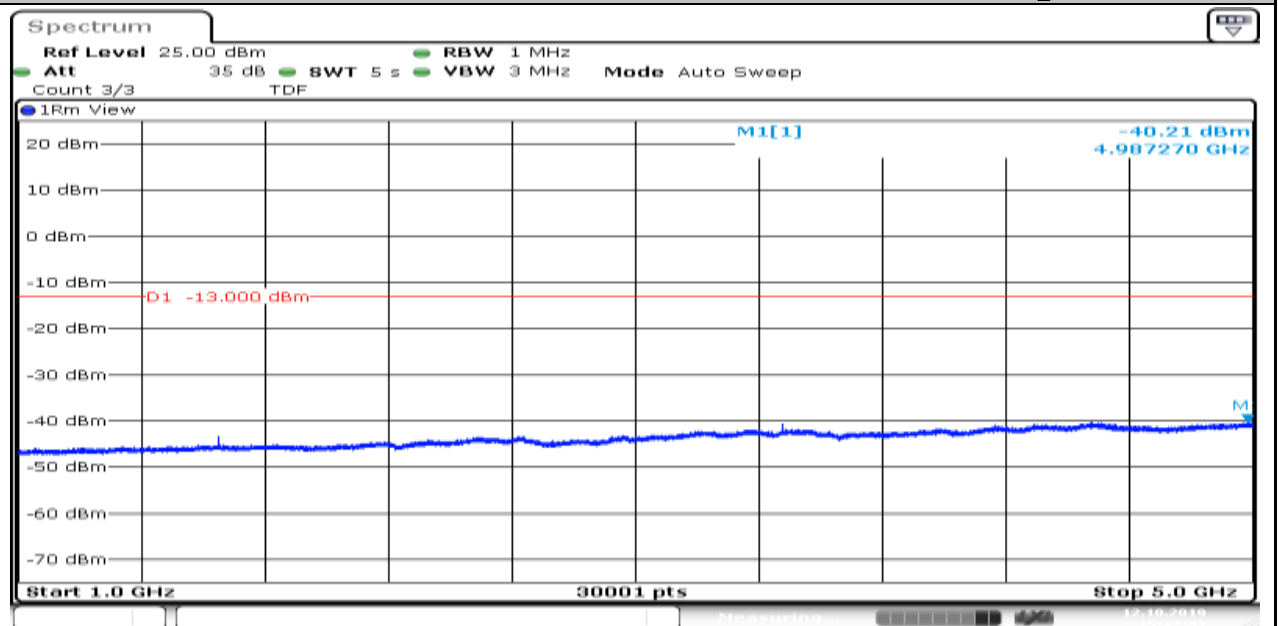
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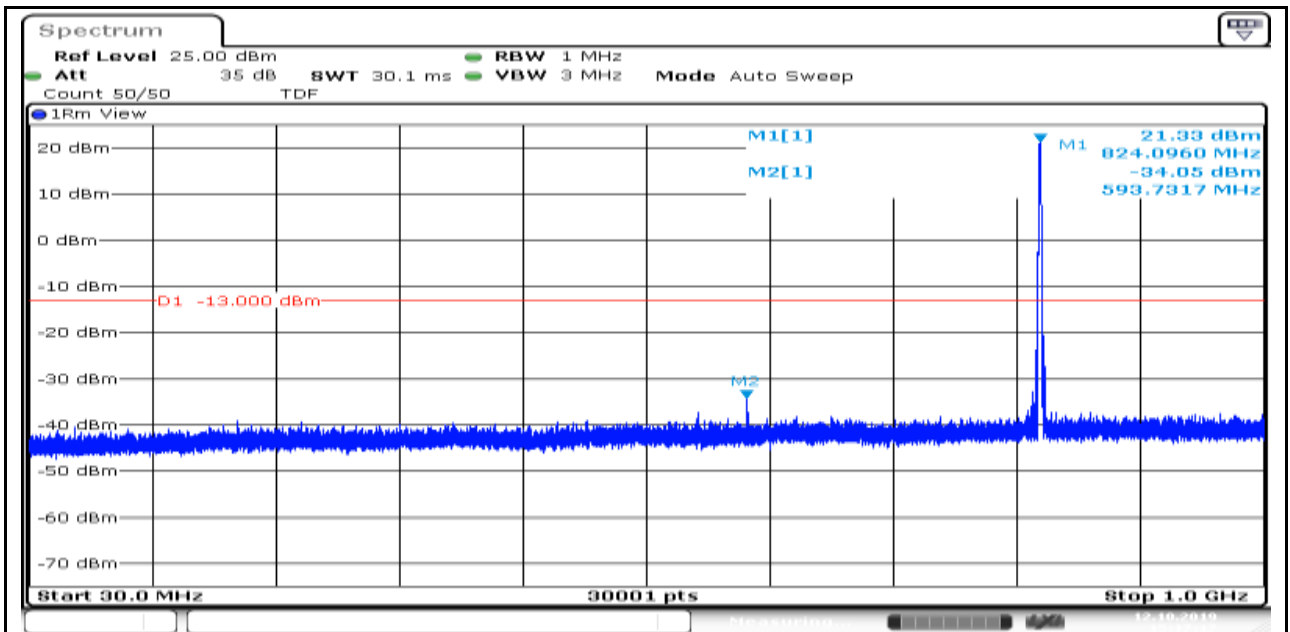
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urious emission at antenna terminals for category
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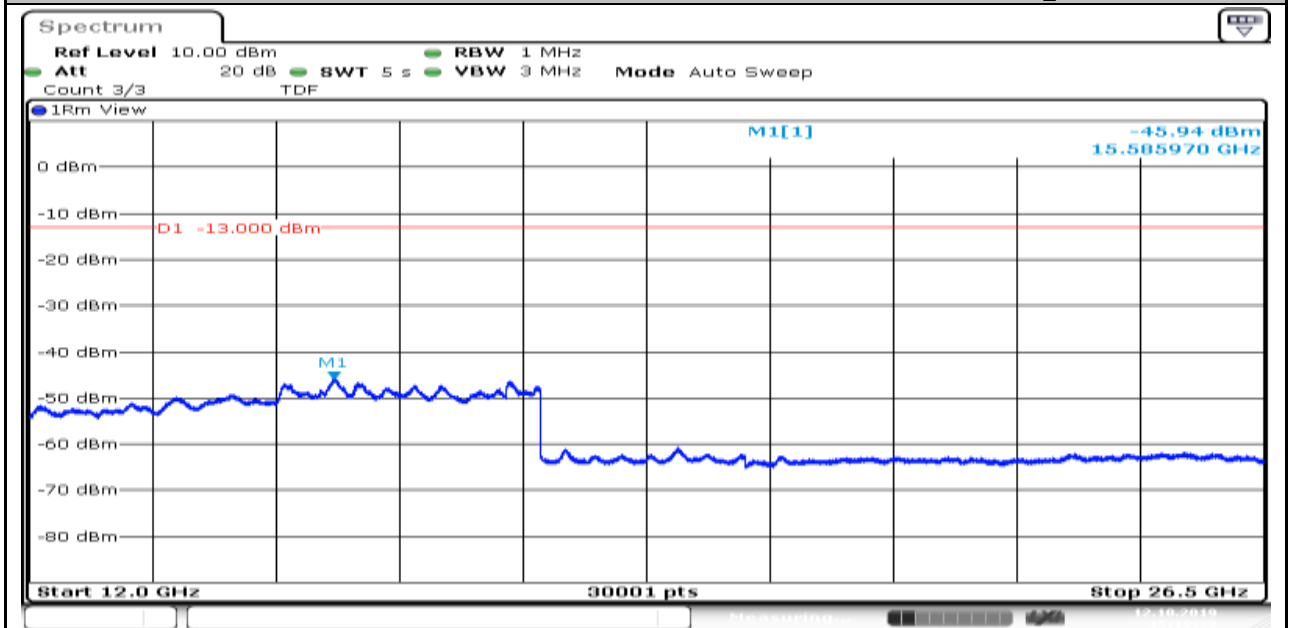
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Appendix G.6: Frequency Stability for NB Test Result

Voltage												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	LV	NT	-16.35	-0.019963	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	NT	-14.16	-0.017289	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	HV	NT	-14.62	-0.017851	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	LV	NT	-10.23	-0.012491	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	NT	-15.74	-0.019219	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	LV	NT	-26.12	-0.031893	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	HV	NT	-26.84	-0.032772	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	NT	-25.76	-0.031453	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	LV	NT	-26.89	-0.032833	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	HV	NT	-29.71	-0.036276	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	HV	NT	-19.43	-0.023724	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	NT	-23.57	-0.028779	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	0	-31.30	-0.038217	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	-10	-19.67	-0.024017	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	0	-25.22	-0.030794	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	20	-26.82	-0.032747	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	40	-31.74	-0.038755	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	50	-30.40	-0.037118	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	-30	-27.22	-0.033236	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	-20	-30.34	-0.037045	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	-10	-29.28	-0.035751	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	10	-25.28	-0.030867	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	10	-32.09	-0.039182	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	20	-20.07	-0.024505	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	30	-22.02	-0.026886	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	40	-22.33	-0.027265	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	50	-23.69	-0.028926	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	50	-17.21	-0.021013	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	-30	-35.08	-0.042833	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	-20	-27.74	-0.033871	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	-20	-11.30	-0.013797	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	40	-16.59	-0.020256	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	30	-17.12	-0.020904	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	20	-15.22	-0.018584	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	10	-15.42	-0.018828	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	30	-28.75	-0.035104	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	-10	-12.66	-0.015458	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	-30	-8.31	-0.010147	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	-30	-8.50	-0.010379	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	50	-8.90	-0.010867	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	-10	-13.65	-0.016667	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	0	-15.23	-0.018596	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	-20	-10.80	-0.013187	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	40	-17.35	-0.021184	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	0	-16.85	-0.020574	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	10	-8.44	-0.010305	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	20	-10.24	-0.012503	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	30	-14.42	-0.017607	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	85	-5.85	-0.007143	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	-40	-11.86	-0.014481	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	70	-20.84	-0.025446	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	60	-31.23	-0.038132	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	-40	-29.67	-0.036227	±2.5	PASS

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Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	85	-12.50	-0.015263	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	80	-21.49	-0.026239	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	70	-15.01	-0.018327	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	80	-24.73	-0.030195	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	-40	-12.77	-0.015592	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@11	15kHz	NV	85	-23.10	-0.028205	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	80	-8.24	-0.010061	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	70	-9.34	-0.011404	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	60	-7.90	-0.009646	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@47	3.75kHz	NV	-40	-9.73	-0.011880	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	85	-14.29	-0.017448	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	80	-10.94	-0.013358	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	70	-15.39	-0.018791	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	3.75kHz	NV	60	-12.30	-0.015018	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26740	1@0	15kHz	NV	60	-16.71	-0.020403	±2.5	PASS

Appendix H: Test Results of Band 26 Upper Band for NB-IoT operation

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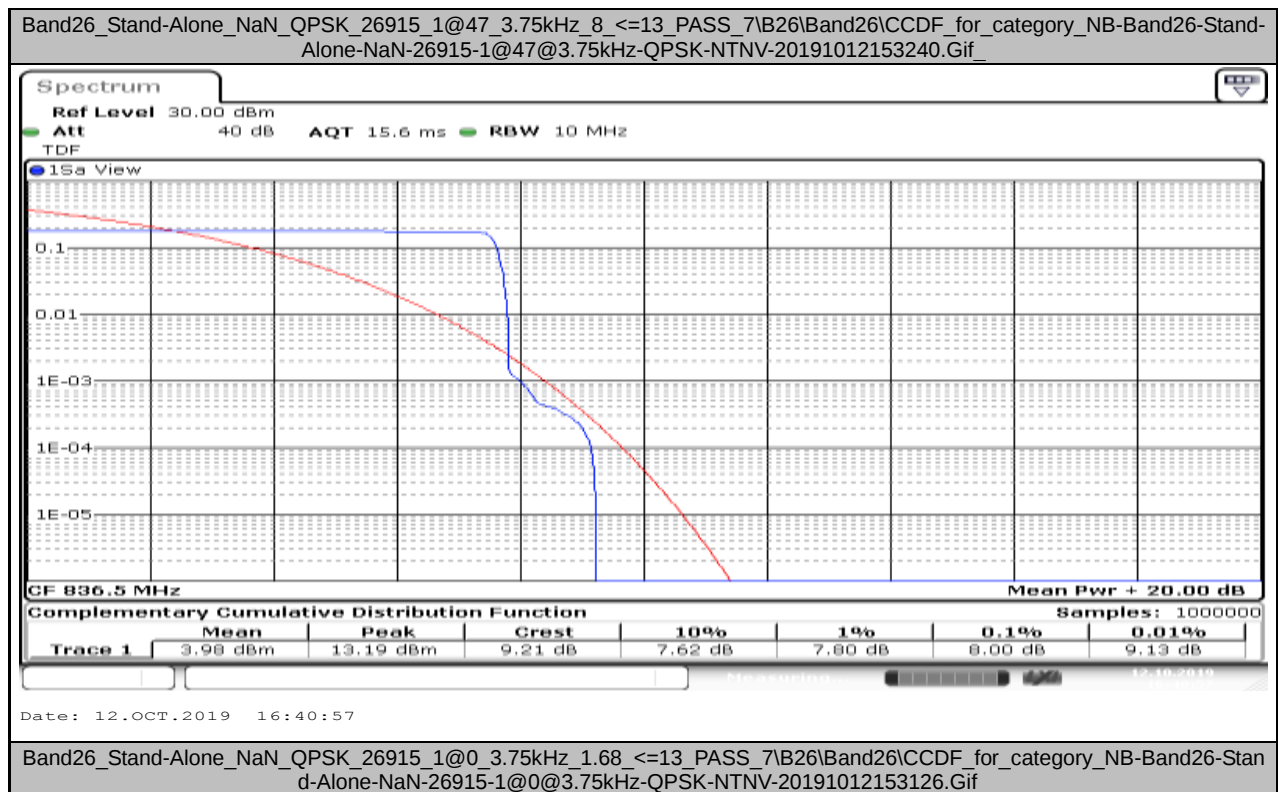
Appendix H.1: RF Power Output and Effective (Isotropic) Radiated Power Output Data for NB Test Result

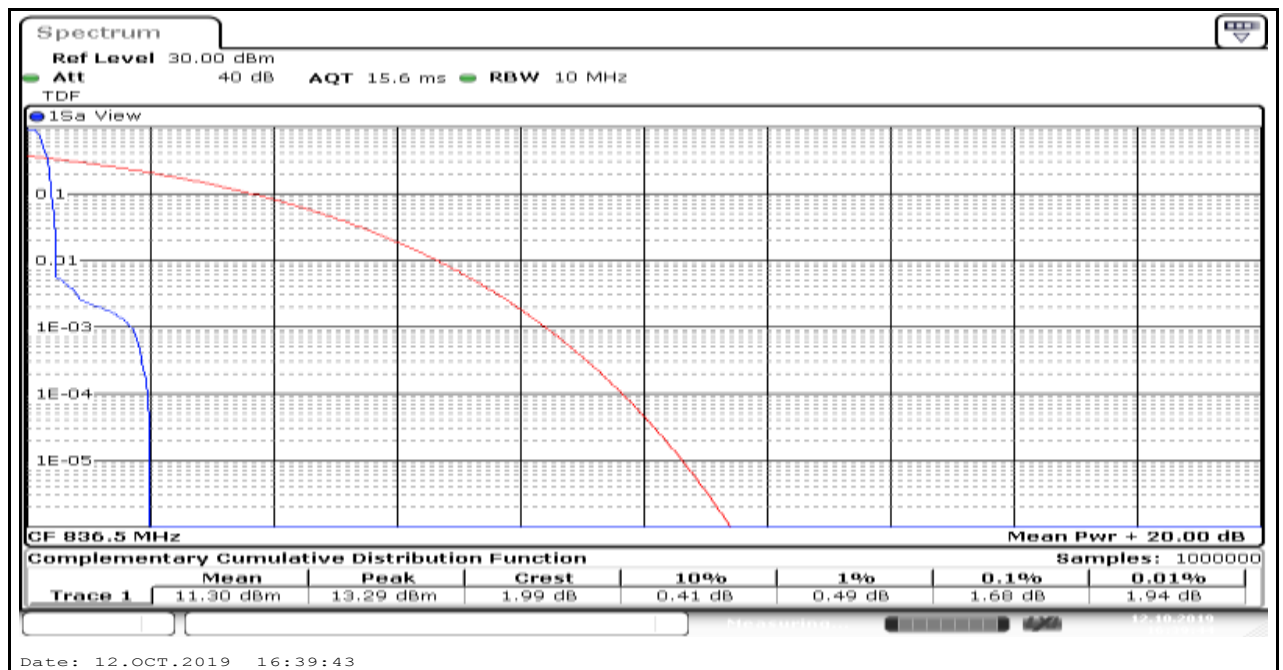
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result	ERP		Limit (watts)		Verdict
							dBm	dBm	Watts	FCC	ISED	
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	11.76	11.75	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@11	15kHz	11.74	11.73	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	11.82	11.81	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	15kHz	11.81	11.8	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	3@3	15kHz	11.71	11.7	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	3@3	15kHz	20.85	20.84	0.121	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@11	15kHz	20.5	20.49	0.112	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@47	3.75kHz	20.01	20	0.100	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@0	15kHz	20.59	20.58	0.114	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@0	3.75kHz	20.06	20.05	0.101	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	3@3	15kHz	20.94	20.93	0.124	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	20.67	20.66	0.116	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	20.58	20.57	0.114	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	20.09	20.08	0.102	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	20.04	20.03	0.101	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@47	3.75kHz	19.52	19.51	0.089	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	3@3	15kHz	20.42	20.41	0.110	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@0	15kHz	20.14	20.13	0.103	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@0	3.75kHz	19.59	19.58	0.091	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@11	15kHz	20.06	20.05	0.101	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@11	15kHz	11.33	11.32	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	3@3	15kHz	11.35	11.34	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	15kHz	11.42	11.41	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@47	3.75kHz	11.72	11.71	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	3.75kHz	11.77	11.76	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	11.74	11.73	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	3@3	15kHz	11.71	11.7	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	11.72	11.71	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@11	15kHz	20.4	20.39	0.109	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	3@3	15kHz	20.83	20.82	0.121	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@0	15kHz	20.44	20.43	0.110	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@0	3.75kHz	19.96	19.95	0.099	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@47	3.75kHz	19.93	19.92	0.098	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	3@3	15kHz	20.94	20.93	0.124	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	3.75kHz	19.96	19.95	0.099	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	20.44	20.43	0.110	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	20.51	20.5	0.112	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@47	3.75kHz	19.91	19.9	0.098	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@11	15kHz	19.93	19.92	0.098	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	3@3	15kHz	20.43	20.42	0.110	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@0	15kHz	20.01	20	0.100	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@47	3.75kHz	19.39	19.38	0.087	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@0	3.75kHz	19.51	19.5	0.089	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	11.37	11.36	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	3@3	15kHz	11.34	11.33	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	11.28	11.27	0.013	7	11.5	PASS

Appendix H.2: Peak-to-Average Ratio(CCDF) for NB Test Result

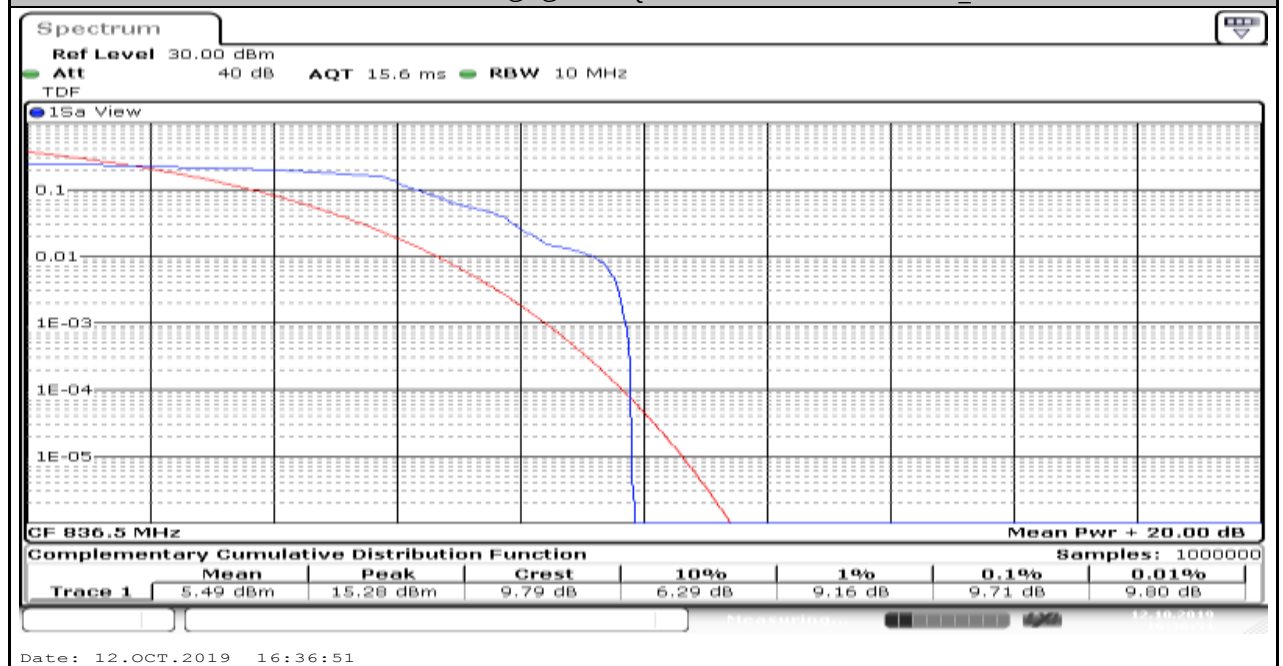
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dB)	Limit (dB)	Verdict
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	8	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	1.68	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	3@3	15kHz	9.71	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	6.17	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	5.83	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@47	3.75kHz	2	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	3.75kHz	8.55	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	3@3	15kHz	8.43	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	5.48	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	8.46	<=13	PASS

Test Graphs

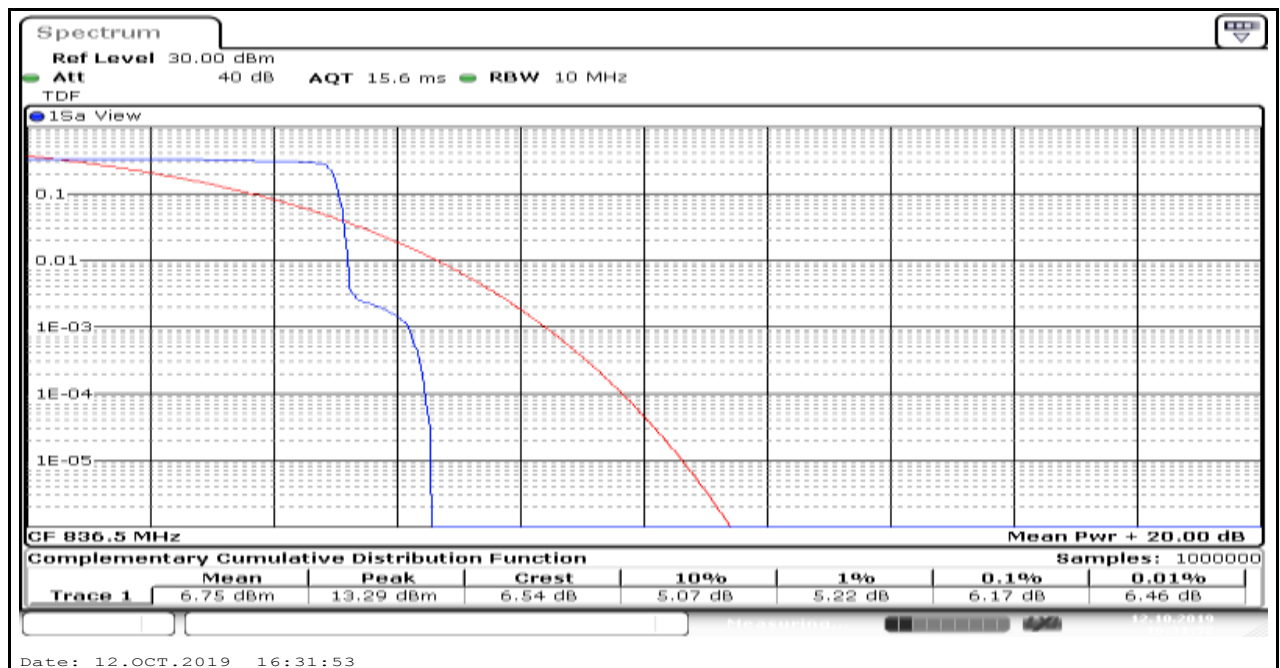




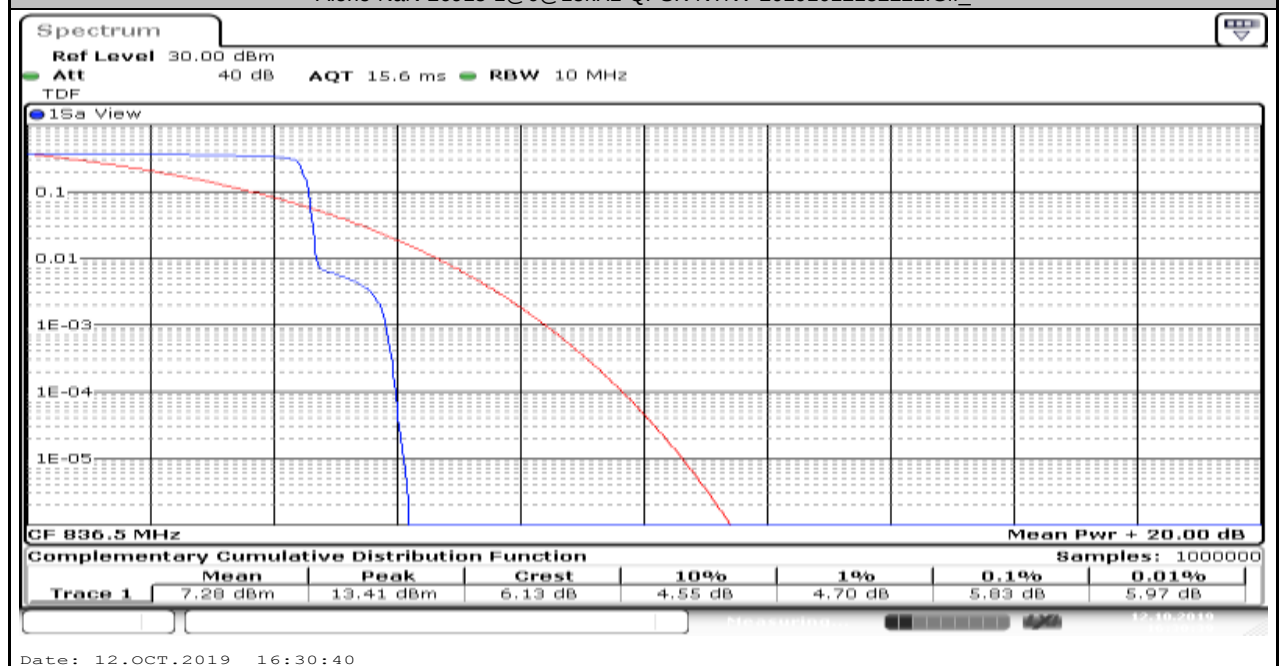
Band26_Stand-Alone_NaN_QPSK_26915_3@3_15kHz_9.71_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-3@3@15kHz-QPSK-NTNV-20191012152834.Gif_



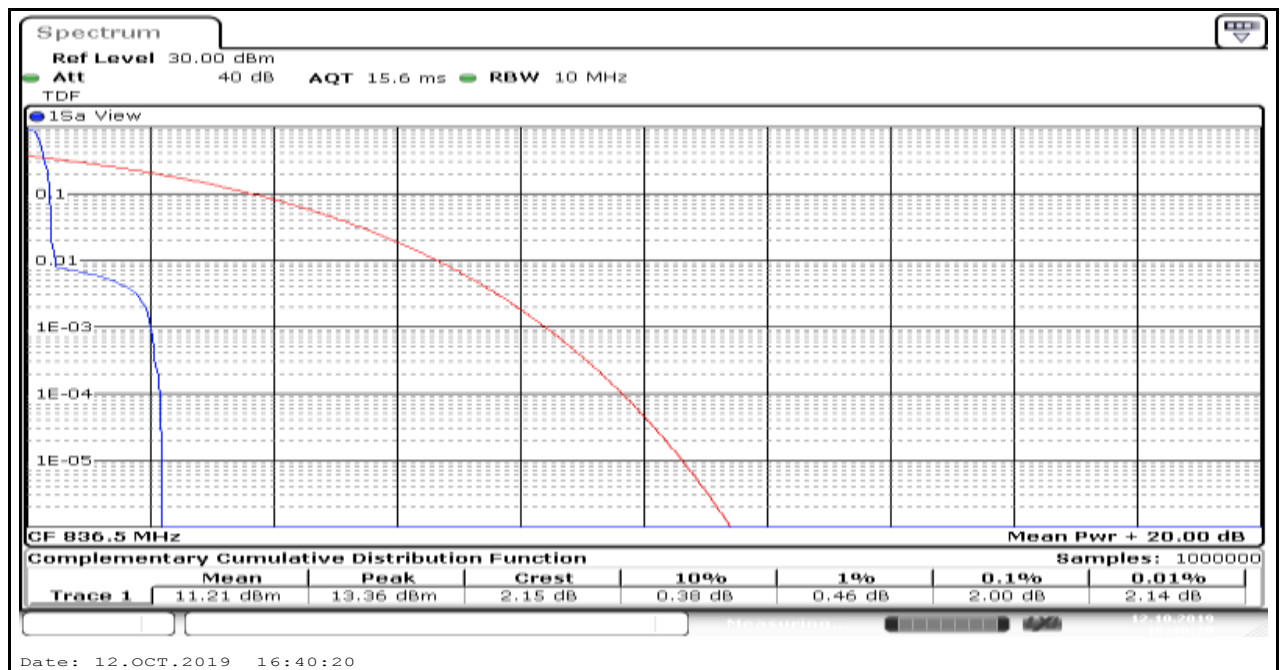
Band26_Stand-Alone_NaN_QPSK_26915_1@11_15kHz_6.17_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-1@11@15kHz-QPSK-NTNV-20191012152336.Gif_



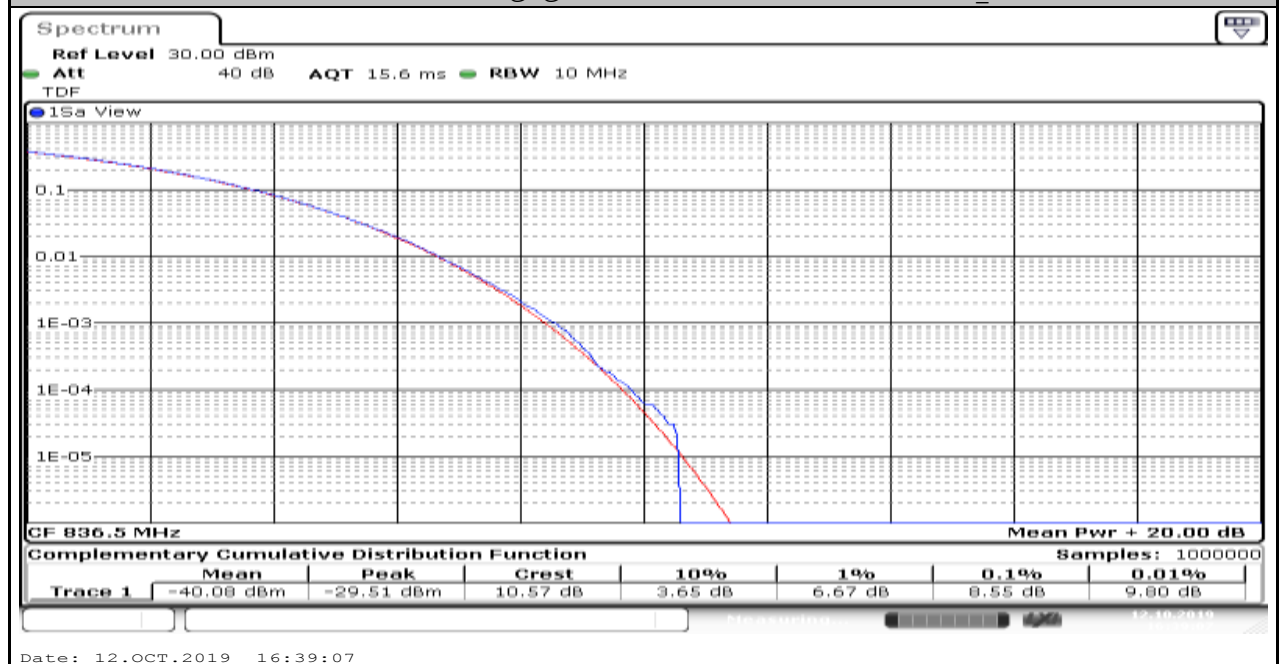
Band26_Stand-Alone_NaN_QPSK_26915_1@0_15kHz_5.83_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-1@0@15kHz-QPSK-NTNV-20191012152222.Gif_



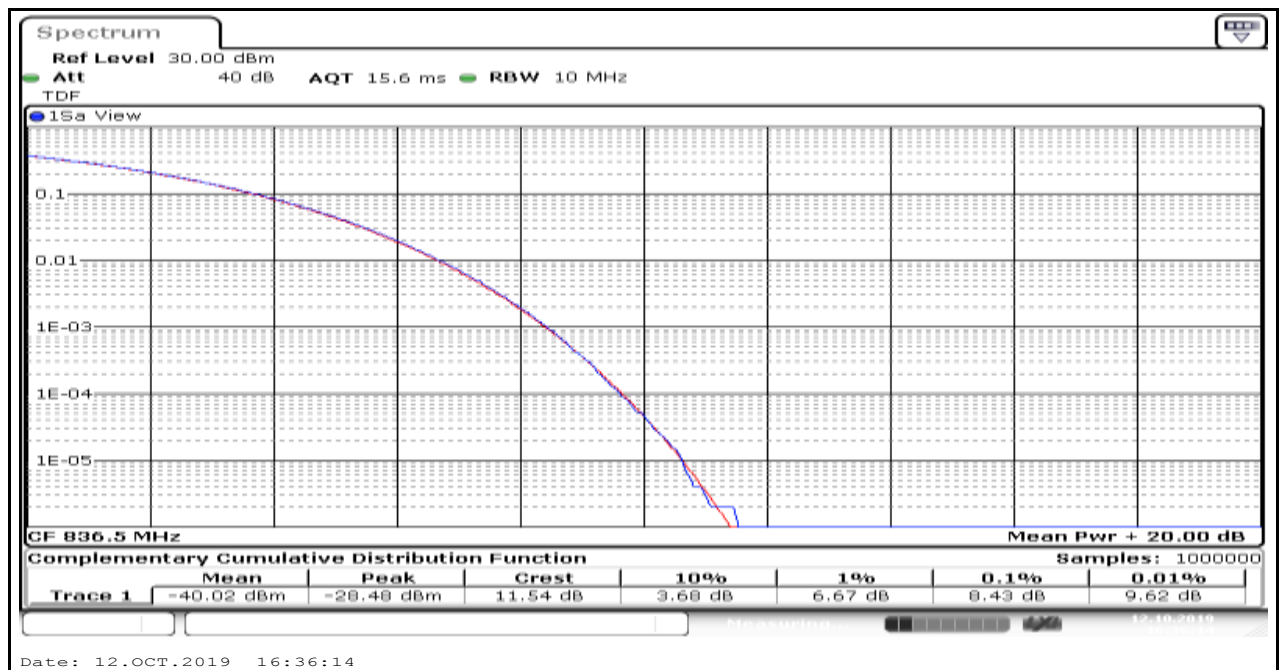
Band26_Stand-Alone_NaN_BPSK_26915_1@47_3.75kHz_2_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-1@47@3.75kHz-BPSK-NTNV-2019101215323.Gif_



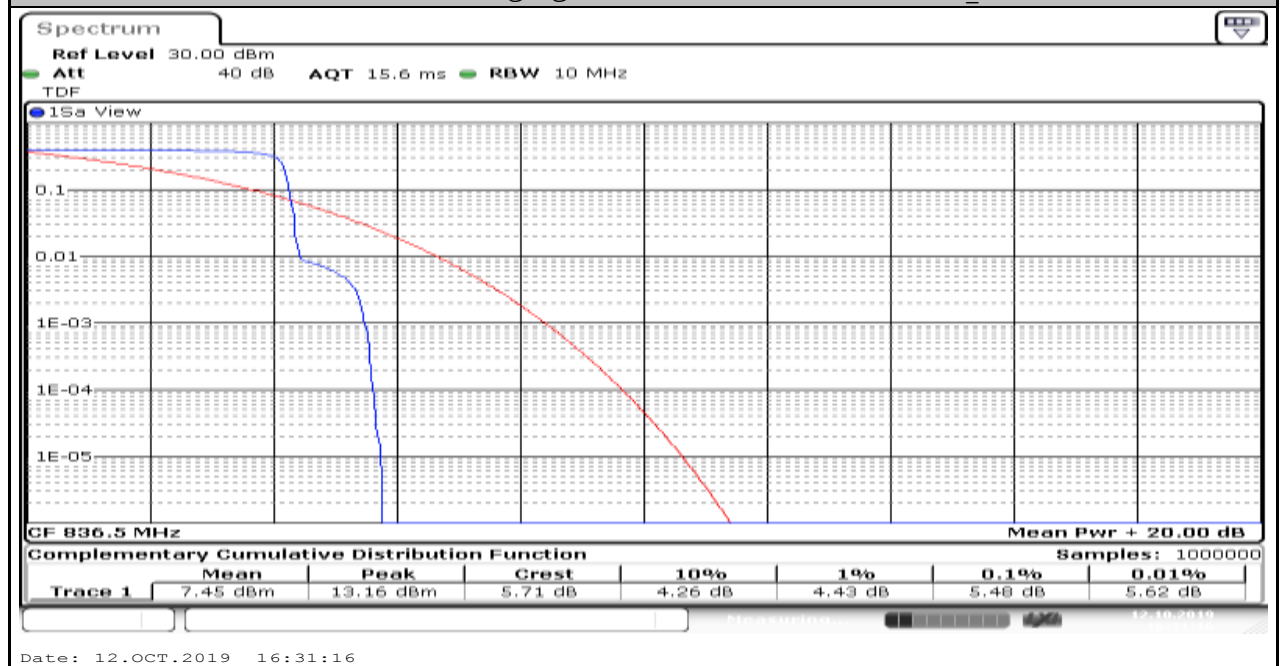
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Band26_Stand-Alone_NaN_BPSK_26915_3@3_15kHz_8.43_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-3@3@15kHz-BPSK-NTNV-20191012152757.Gif_

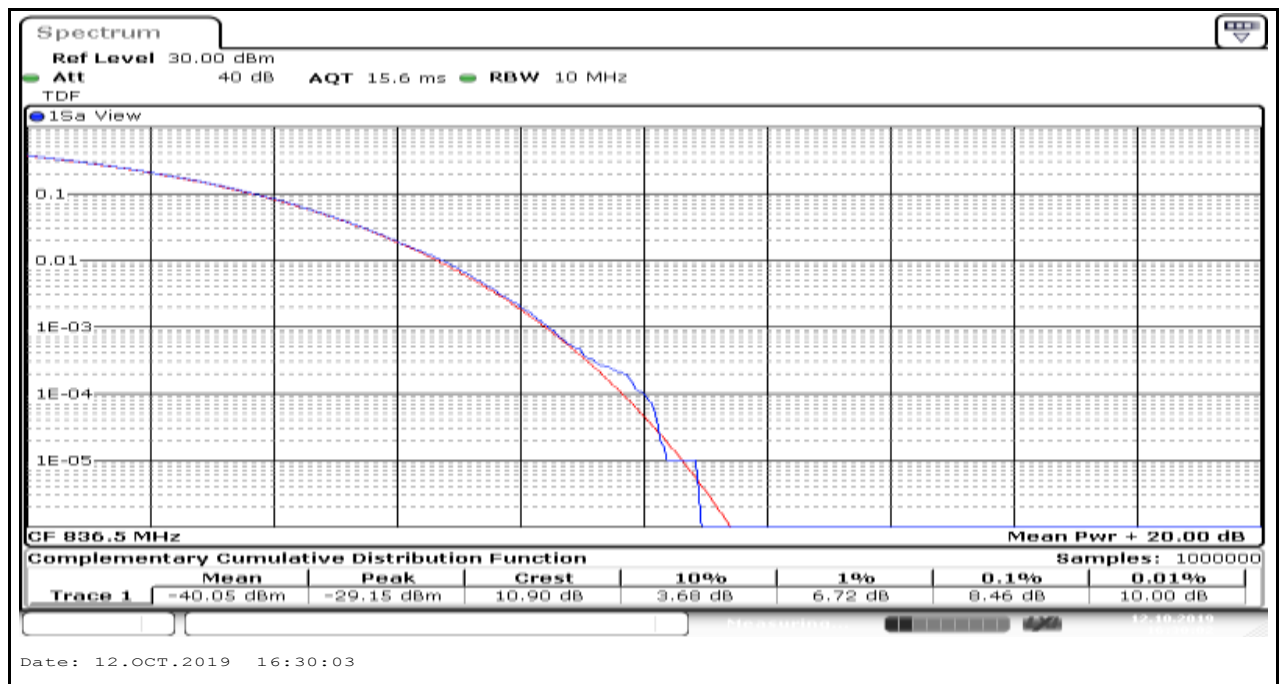


Band26_Stand-Alone_NaN_BPSK_26915_1@11_15kHz_5.48_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-1@11@15kHz-BPSK-NTNV-20191012152259.Gif_



Band26_Stand-Alone_NaN_BPSK_26915_1@0_15kHz_8.46_<=13_PASS_7\B26\Band26\CCDF_for_category_NB-Band26-Stand-Alone-NaN-26915-1@0@15kHz-BPSK-NTNV-20191012152146.Gif_

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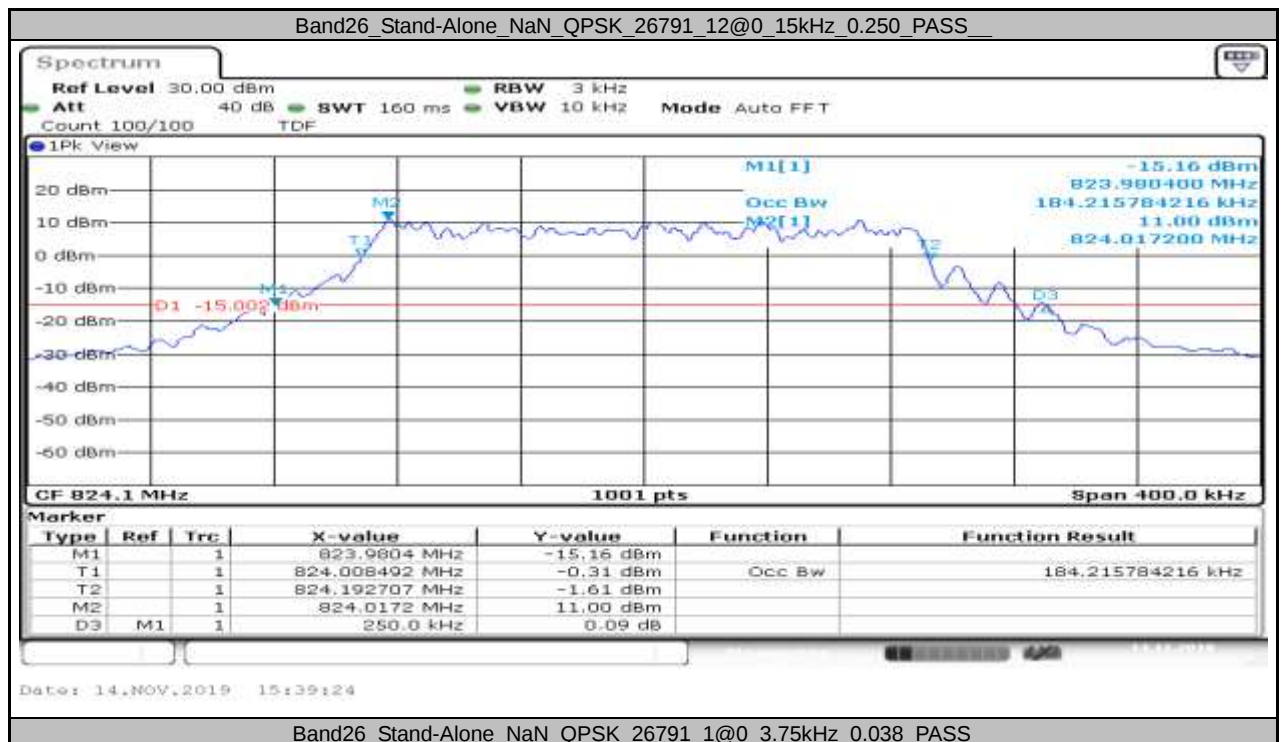


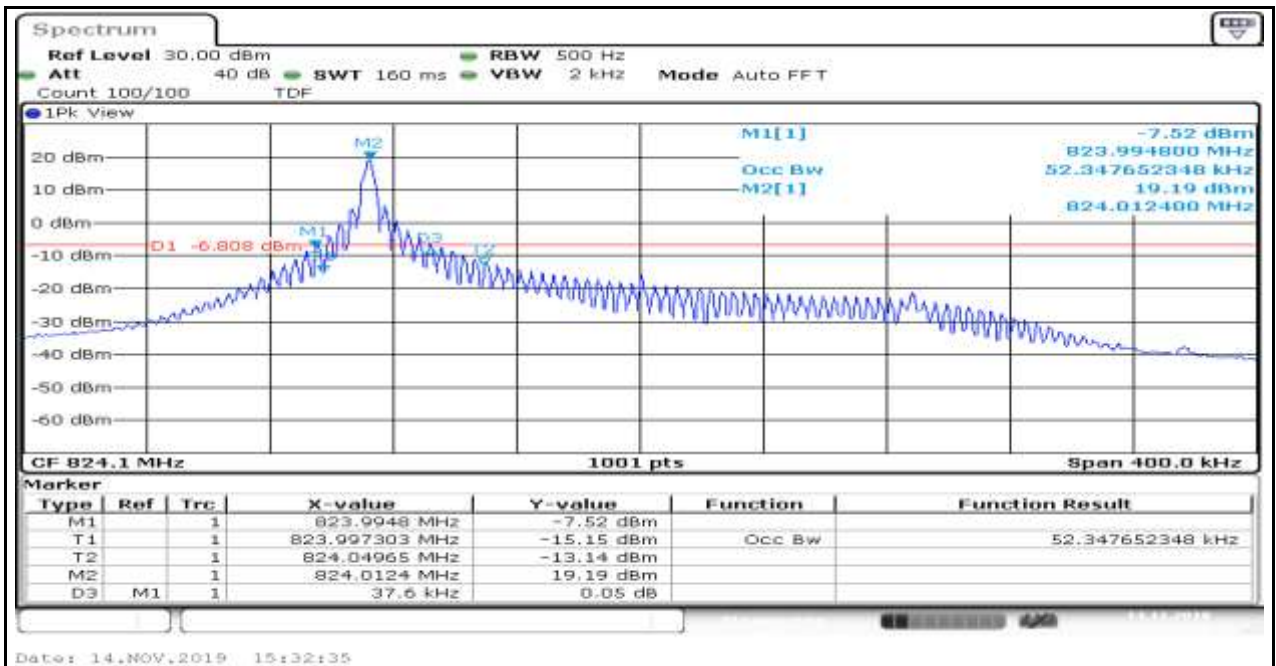
Appendix H.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

Test Result

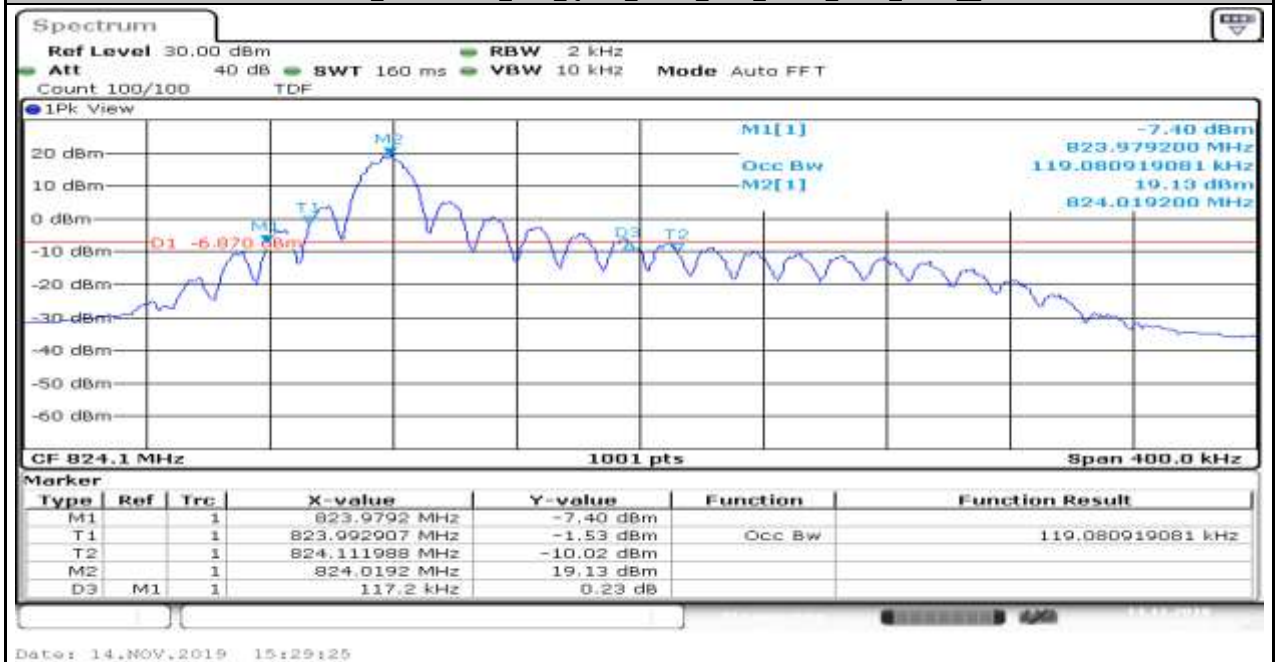
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	Verdict
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	15kHz	0.117	0.119	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	0.117	0.120	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	0.038	0.052	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	15kHz	0.117	0.119	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	0.104	0.127	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	0.104	0.126	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	3.75kHz	0.032	0.054	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	0.104	0.126	PASS

Test Graphs

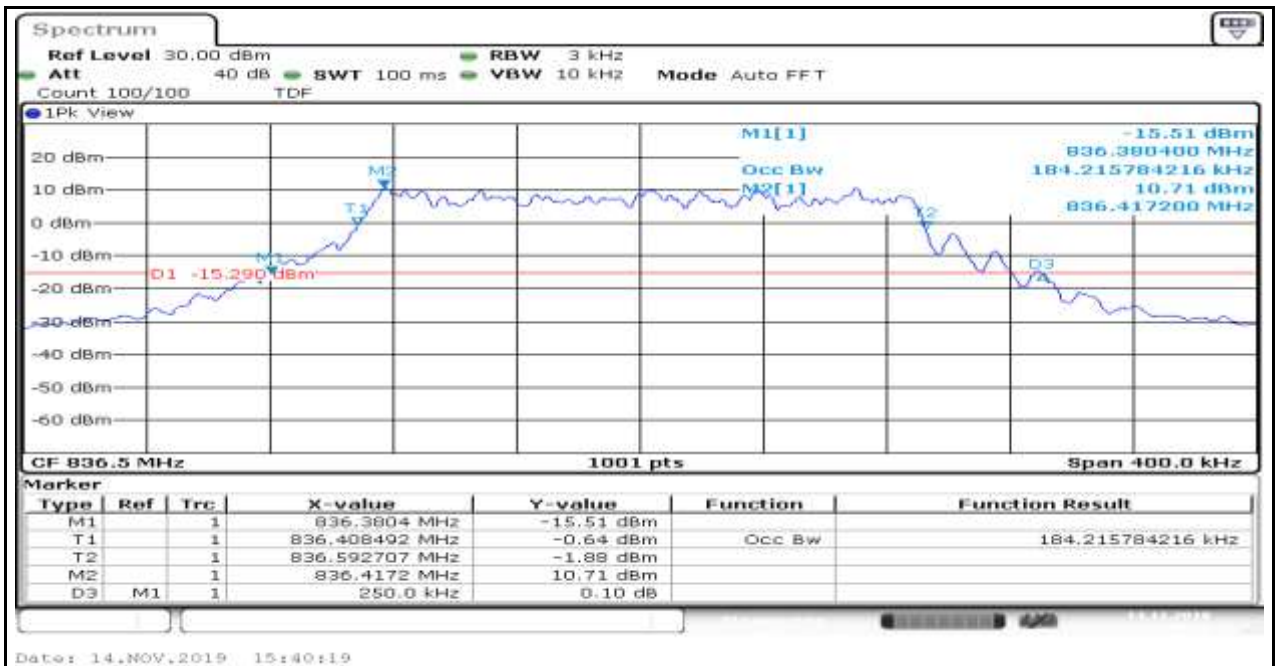




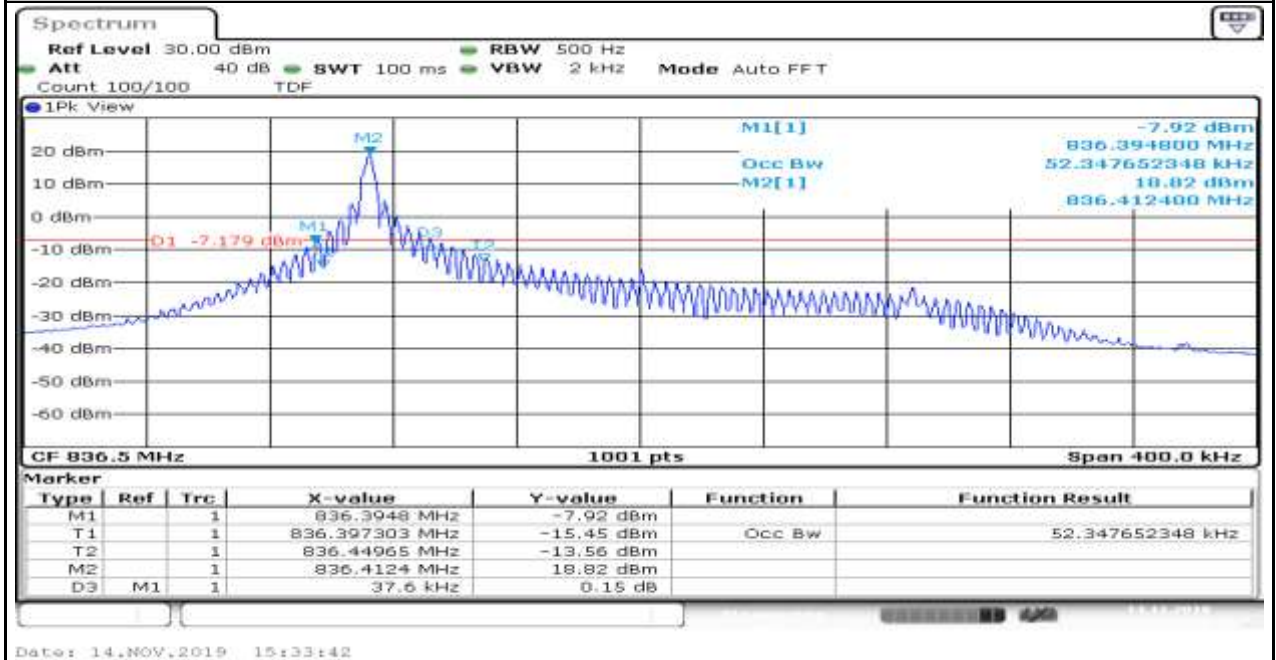
Band26_Stand-Alone_NaN_QPSK_26791_1@0_15kHz_0.117_PASS



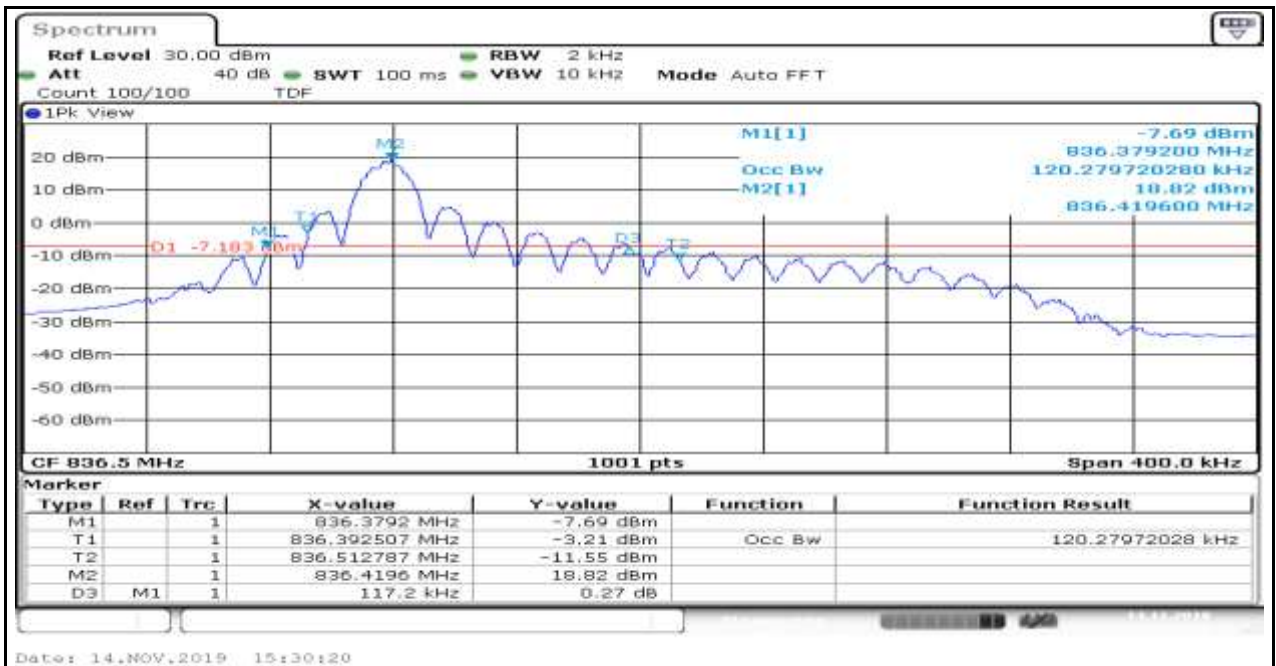
Band26_Stand-Alone_NaN_QPSK_26915_12@0_15kHz_0.250_PASS



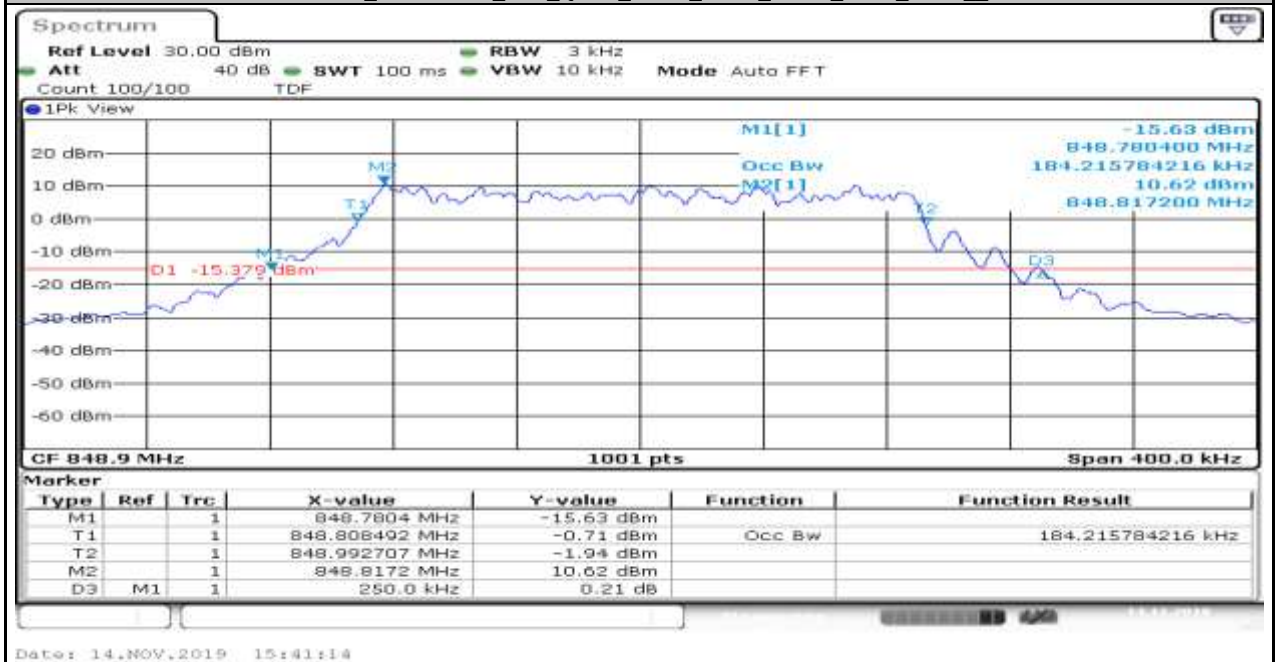
Band26_Stand-Alone_Na_N_QPSK_26915_1@0_3.75kHz_0.038_PASS



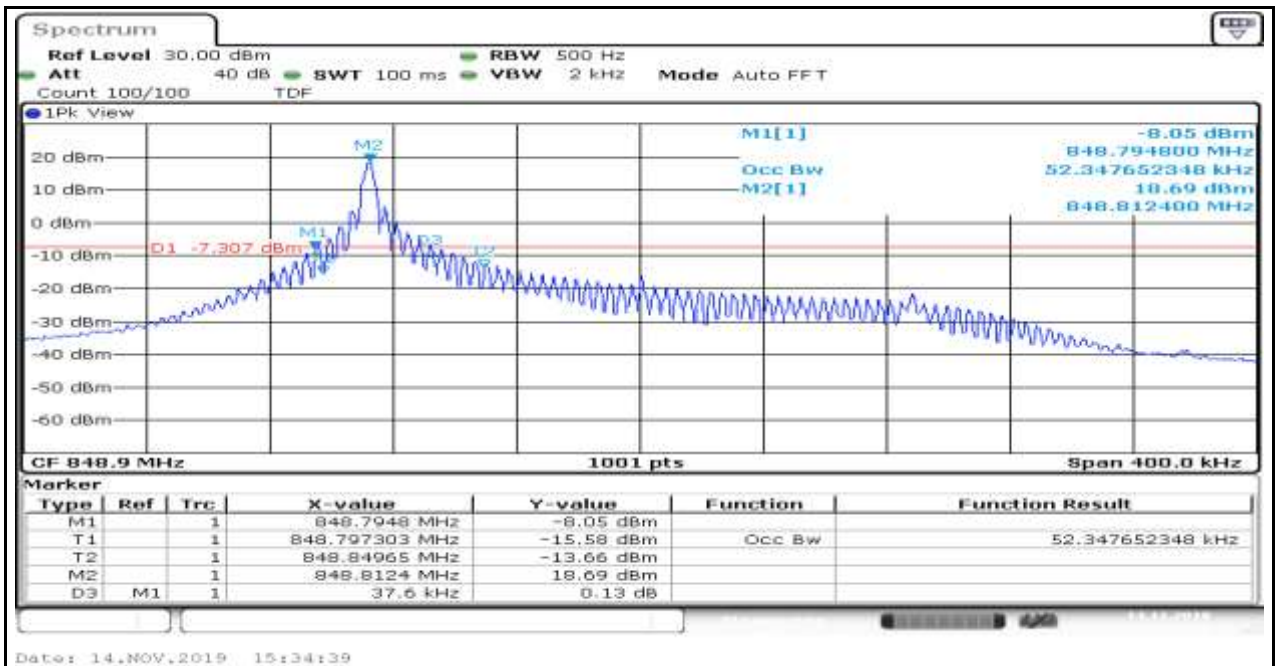
Band26_Stand-Alone_Na_N_QPSK_26915_1@0_15kHz_0.117_PASS



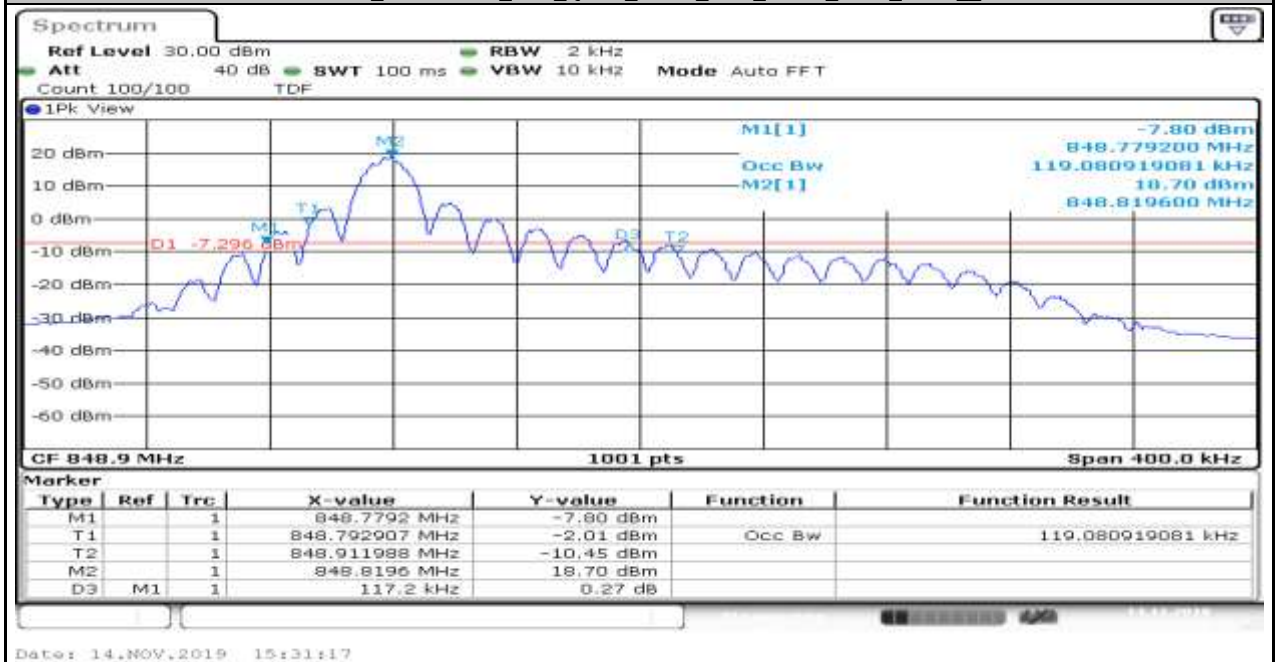
Band26_Stand-Alone_NaN_QPSK_27039_12@0_15kHz_0.250_PASS_



Band26_Stand-Alone_NaN_QPSK_27039_1@0_3.75kHz_0.038_PASS_



Band26_Stand-Alone_NaN_QPSK_27039_1@0_15kHz_0.117_PASS



Band26_Stand-Alone_NaN_BPSK_26791_1@0_3.75kHz_0.032_PASS